# GEOTECHNICAL REPORT

**Arlington 360**
**8904, 9104, 9110, and 9116 Tveit Road**
**Arlington, Washington**

**Project No. T-9011**

**Terra Associates, Inc.**

**Prepared for:**

**Arlington 360, LLC**
**Woodinville, Washington**

**April 9, 2025**
**Revised December 1, 2025**

**TERRA ASSOCIATES, Inc.**
Consultants in Geotechnical Engineering, Geology
and
Environmental Earth Sciences

April 9, 2025
Revised December 1, 2025
Project No. T-9011

Mr. Darin Huseby
Arlington 360, LLC
13110 Northeast 177th Place, # 228
Woodinville, Washington 98072

Subject: Geotechnical Report
Arlington 360
8904, 9104, 9110, and 9116 Tveit Road
Arlington, Washington

Dear Mr. Huseby:

As requested, we conducted a geotechnical engineering study for the subject project. The attached report presents our findings and recommendations for the geotechnical aspects of project design and construction.

Our field exploration indicates the site is underlain by glacially deposited sediments composed of glacial till overlying advance outwash overlying pre-glacial deposits composed of lacustrine and fine-grained deposits. Perched groundwater seepage was observed at numerous depths within each of the distinct geologic formations above the lower fine-grained deposits.

In our opinion, there are no geotechnical conditions that would preclude the planned residential development. Residences can be supported on conventional spread footings bearing on competent native soils underlying the surface organic soils, on structural fill placed on the competent native soils. Floor slabs and pavements can be similarly supported.

Detailed recommendations addressing these issues and other geotechnical design considerations are presented in the attached report. We trust the information presented is sufficient for your current needs. If you have any questions or require additional information, please call.

Sincerely yours,
**TERRA ASSOCIATES, INC.**

CAROLYN S. DECKER STATE OF WASHINGTON 47016 REGISTERED PROFESSIONAL ENGINEER

Carolyn S. Decker, P.E.
President

12-1-25

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# Geotechnical Report
# Arlington 360
# 8904, 9104, 9110, and 9116 Tveit Road
# Arlington, Washington

## 1.0 PROJECT DESCRIPTION

The proposed project consists of developing the site with 670 single family residential building lots, 5 detention vaults, 2 detention ponds, 2 major roadways, and associated access and utilities. The development will be divided by existing critical areas and existing roadways. Based on the preliminary grading plans prepared by SolidGround dated November 7, 2025, grading to achieve building lot and roadway grades will consist of cuts and fills from 1 to 25 feet.

Site stormwater will be collected and directed to one of five detention vaults or one of two detention ponds. The detention vaults are located throughout the proposed development. The ponds are located along the roadway improvements in the north and central portions of the site.

We expect the single-family residences will be two- to three-story, wood-frame buildings with their main floor levels framed over a crawl space and attached garages constructed at grade. Foundation loads should be relatively light, in the range of 2 to 3 kips per foot for bearing walls and 25 to 50 kips for isolated columns.

The recommendations contained in the following sections of this report are preliminary and based on our understanding of the above design features. We should review design drawings as they become available to verify our recommendations have been properly interpreted and incorporated into project design and to amend or supplement our recommendations, if required.

## 2.0 SCOPE OF WORK

Our work was completed in accordance with our authorized proposal dated March 8, 2024. Accordingly, on April 22, 2024, through April 24, 2024, we explored subsurface conditions at the site within 9 test borings advanced with a hollow-stem auger to a maximum depth of approximately 50 feet below existing site grades. On April 7, 2025, through April 11, 2025, we supplement this data by drilling 6 additional wells to a maximum depth of approximately 90 feet below current site grades. Using the results of our field exploration and laboratory testing, along with existing subsurface data from a previous study of the property, analyses were undertaken to develop geotechnical recommendations for project design and construction. Specifically, this report addresses the following:

- Soil and groundwater conditions.
- Geologic hazards per the City of Arlington Municipal Code (AMC).
- Seismic design parameters per the 2021 International Building Code (IBC).
- Site preparation and grading.
- Relative slope stability.
- Excavations.

- Foundations.
- Slab-on-grade floors.
- Stormwater facilities.
- Infiltration feasibility.
- Drainage.
- Utilities.
- Pavements.

We have reviewed and incorporated existing subsurface data from a previous study of the property performed by Associated Earth Sciences, Inc. (AESI) which took place during the months of May, November, and December of 2023.

It should be noted that the recommendations outlined in this report regarding drainage are associated with soil strength, design earth pressures, erosion, and stability. Design and performance issues with respect to moisture as it relates to the structure environment are beyond Terra Associates' purview. A building envelope specialist or contractor should be consulted to address these issues, as needed.

## 3.0 SITE CONDITIONS

### 3.1 Surface

The proposed project site consists of 19 tax parcels totaling approximately 308 acres at, south of, and northeast of 8904, 9104, 9110, and 9116 Tveit Road in Arlington, Washington. The focus of subsurface exploration at this time has been the central 8 tax parcels totaling approximately 209 acres. The approximate site location is shown on Figure 1.

The northern parcels are currently developed near Tveit Road with four single-family residences and several outbuildings, along with associated access and utilities. The remainder of the area is undeveloped and covered with a moderate forest and associated understory with some cleared areas covered with grass and tall brush. Site topography generally consists of a moderate slope over an upland plateau which transitions to a steep slope in the northern portion of the site. Site grades descend from the south to the north with an overall vertical relief of approximately 350 feet. The steep slopes located in the northern and northwestern portions of the site generally descend over overall vertical reliefs of approximately 60 to 125 feet. There are also steep slopes within the development that descend to mapped drainage channels in the western portion of the site which flow to the north. The northeastern portion of the site similarly slopes towards a drainage channel located partially onsite to the northeast. Slopes descending towards the drainage channels typically show overall vertical reliefs of approximately 30 to 80 feet.

## 3.2 Soils

Based on the subsurface explorations and those completed by AESI, five primary geologic formations are understood to be underlying the site. Stratigraphy at the site typically consists of loose to very dense silty sand and sandy silt with varying gravel content (weathered and unweathered Vashon Lodgement Till) overlying medium dense to dense sand with varying silt and gravel content (Advance Outwash/Olympia Sand) overlying very stiff to hard silt deposits with varying sand content and interbedded medium dense to dense granular layers (Olympia Lacustrine Deposits) overlying very stiff to hard silt deposits (Olympia Fine-Grained Deposits).

Test Borings advanced along the northern steep slope performed by AESI showed landslide deposits composed of very loose to very dense disturbed sand and silt layers with varying silt, sand, and gravel contents as well as inclusions of organic material and topsoil. Some of the silt samples showed signs of fracturing and infilling. The landslide deposits were typically observed overlying the Olympia Lacustrine or Olympia Fine-Grained deposits and, in some cases, the Vashon Lodgement Till and Olympia Sand deposits.

Test Pits performed by AESI also indicated relatively limited and shallow deposits of loose to medium dense sand with silt to silty sand with varying gravel content (Recessional Outwash) up to approximately six feet in depth overlying the till deposits in the eastern and central portions of the site as well as along the northern portion of the site. Test Pit EP-24 in the northwestern portion of the site showed loose to medium dense and soft alluvial deposits composed of sand with silt to silty sand with varying gravel content and sandy silt to the termination of the test pit. Test Pit EP-25 showed approximately four feet of loose fill composed of fine silty sand overlying native recessional outwash deposits.

The thicknesses of the geologic units expressed above vary across the site. In general, Vashon Lodgement Till deposits extend to depths ranging from approximately 4 to 17 feet below existing site grades where the formation thins out towards the crest of the northern steep slope. The Advance Outwash/Olympia Sand deposits extend to depths ranging from approximately 18 to 58 feet below existing site grades. The Olympia Lacustrine deposits extend to depths ranging from approximately 43 to 93 feet below existing site grades. The landslide deposits extend to depths ranging from approximately 9 to 44 feet below existing site grades. Test Pits and Test Borings that encountered the Olympia Fine-Grained deposits terminated in the formation.

Based on a review of the Test Pit Logs prepared by AESI, the surficial organic horizon typically consists of approximately 3 to 12 inches of forest duff and organic topsoil.

Review of the *Geologic Map of the Arlington East Quadrangle, Snohomish County, Washington* by J.P. Minard (1985) shows the upland plateau of the property mapped as Vashon Till (Qvt). Advance Outwash (Qva) is mapped along the northern steep slopes and along the drainage channels. Transitional Beds (Qtb) is mapped along the base of the northern slope with Recessional Outwash (Qvrm and Qvra) mapped beyond the transitional beds to the northwestern edge of the property. It is our opinion that this mapping is generally consistent with the subsurface findings at the site, although we believe the Qtb description likely incorporates the Olympia Lacustrine and Fine-Grained deposits in the surface mapping.

The preceding discussion is intended to be a general review of the soil conditions encountered. For more detailed descriptions, please refer to the Test Boring Logs in Appendix A. Test Pit and Test Boring logs prepared by AESI may be found in Appendix B. The approximate locations of the subsurface explorations are shown on Figure 2.

## 3.3 Groundwater

Perched groundwater seepage was observed in many of the test borings and test pits ranging from depths of approximately 1.5 to 90 feet below existing grades. Typically, zones of limited perched seepage were observed within the till and outwash deposits within sand seams or above silt seams, respectively. Thicker zones of perched seepage were typically observed within the landslide deposits and lacustrine deposits with wet soils observed until the lower fine-grained deposits were encountered.

There were also limited thicknesses of perched seepage within these deposits periodically as well. Perched seepage was also encountered in the recessional outwash deposits above the lower till deposits. We did observe instances where the advance outwash formation was nearly fully inundated, such as at Test Borings B-101, B-102, B-103, and B-105 which were advanced near the crest of the northern slope. This typically indicates the formation acts as an aquifer near the slope. While the advance outwash formation is generally confined by the overlying till, test pit data obtained by AESI indicates the advance outwash aquifer is unconfined in the vicinity of Test Pits EP-13, EP-14, EP-16, and EP-17 located along the western portion of the northern slope and along the western drainage channel.

During reconnaissance of the site slopes performed by Terra Associates, Inc., we observed wet surface soils within the drainage channels and a point of seepage through exposed strata at the interface of the advance outwash and fine-grained formations (roughly elevation 240.0 feet) along what appeared to be an old cut road traversing from the south to north along the western portion of the northern slope. We also observed a point of seepage flowing from landslide deposits along the northern slope at an approximate elevation of 200.0 feet.

We expect groundwater levels and flow rates will fluctuate seasonally and will typically reach their highest levels during, and shortly following, the wet winter months (November through May). Given the time of year our field work was completed, and our experience with groundwater conditions in the area, the groundwater levels observed likely represent near seasonal high levels. To evaluate the seasonal weather influence, Test Borings B-101, B-104, B-107, B-109, B-201, B-202, and B-204, were converted to monitoring wells. The wells were instrumented on December 1, 2024, and on April 11, 2025. Monitoring wells installed by AESI were also instrumented. The instruments were downloaded on September 25, 2025. The groundwater levels are shown in Appendix C.

## 3.4 Geologic Hazards

Chapter 20.93.600.a of the City of Arlington Municipal Code (AMC) defines geologically hazardous areas as "areas susceptible to erosion, sliding, earthquakes, liquefaction, or other geological events. Geologically hazardous areas shall be classified based upon the history or existence of landslides, unstable soils, steep slopes, high erosion potential or seismic hazards." Discussions related to erosion, landslide, mine, and seismic hazards are presented as follows.

### *3.4.1 Erosion Hazard Areas*

Chapter 20.93.600.b.1 of the AMC defines erosion hazard areas as areas that are "defined by the USDA Soil Conservation Service, United States Geologic Survey, or by the Department of Ecology Coastal Zone Atlas. The following classes are high erosion hazard areas:

a) Class 3, class U (unstable) includes severe erosion hazards and rapid surface runoff areas;

b) Class 4, class UOS (unstable old slides) includes areas having severe limitations due to slope; and,

c) Class 5, class URS (unstable recent slides)."

The Soil Conservation Service (now called National Resources Conservation Service (NRCS)) shows mapped soils in the developable upslope and downslope portions of the site consisting of *Norma loam, Ragnar fine sandy loam, 0 to 8 percent slopes, and Tokul gravelly medial loam, 0 to 15 percent slopes*. The NRCS describes the erosion hazard of these materials as slightly to moderately susceptible to erosion when exposed which does not meet the above criteria defining a critical erosion hazard area. However, the soils located along the northern steep slope and drainage channels are mapped as *Patsik silt loam, 8 to 25 percent slopes, Tokul gravelly medial loam, 15 to 30 percent slopes, and Tokul-Winston gravelly loams, 25 to 65 percent slopes.* The erosion hazard of these materials is described as severely susceptible to erosion when exposed. Accordingly, the onsite steep slopes would be considered an erosion hazard area per the AMC.

Implementation of temporary and permanent Best Management Practices (BMPs) for preventing and controlling erosion will be required and will mitigate the erosion hazard. As a minimum, we recommend implementing the following erosion and sediment control BMPs prior to, during, and immediately following construction activities at the site:

***Prevention***

- Limit site clearing and grading activities to the relatively dry months (typically May through September).
- Limit disturbance to areas where construction is imminent.
- Locate temporary stockpiles of excavated soils no closer than ten feet from the crest of the slope.
- Provide temporary cover for cut slopes and soil stockpiles during periods of inactivity. Temporary cover may consist of durable plastic sheeting that is securely anchored to the ground or straw mulch.
- Establish permanent cover over exposed areas that will not be disturbed for a period of 30 days or more by seeding, in conjunction with a mulch cover or appropriate hydroseeding.

***Containment***

- Install a silt fence along sit margins and down slope of areas that will be disturbed. The silt fence should be in place before clearing and grading is initiated.
- Intercept surface water flow and route the flow away from the slope to a stabilized discharge point. Surface water must not discharge at the top or onto the face of the steep slope.
- Provide onsite sediment retention for collected runoff.

The contractor should perform daily review and maintenance of all erosion and sedimentation control measures at the site.

### *3.4.2 Landslide Hazard Areas*

Chapter 20.93.600.b.2 of the AMC defines landslide hazard areas as "areas subject to severe risk of landslide based on a combination of geologic, topographic and hydrologic factors. Some of these areas may be identified in the Department of Ecology Coastal Zone Atlas, or through site-specific criteria. Landslide hazard areas include any of the following:

a) Areas characterized by slopes greater than fifteen percent and impermeable soils (typically silt and clay) frequently interbedded with permeable granular soils (predominantly sand and gravel) or impermeable soils overlain with permeable soils or springs or groundwater seepage;

b) Any area that has exhibited movement during the Holocene epoch (from ten thousand years ago to present) or which is underlain by mass wastage debris of that epoch;

c) Any area potentially unstable due to rapid stream incision, stream bank erosion or undercutting by wave action;

d) Any area located on an alluvial fan presently subject to or potentially subject to inundation by debris flows or deposition of steam-transported sediments;

e) Any area with a slope of thirty-three percent or greater and with a vertical relief of ten or more feet except areas composed of consolidated rock;

f) Any area with slope defined by the United States Department of Agriculture Soil Conservation Service as having a severe limitation for building site development; and

g) Any shoreline designated or mapped as class U, UOS, or URS by the Department of Ecology Coastal Zone Atlas."

Review of mapped landslide areas on the Washington State Department of Natural Resources (DNR) Geologic Information Portal website shows the steep, north-facing slope located within the northern parcels mapped with scarps, flanks, landslide deposits, and fans. These mappings are assigned confidence levels ranging from low to high with an estimated relative age of greater than 150 years (Pre-historic). The test borings performed by AESI along the slope-face show relative densities of medium dense to very dense within the landslide deposits, with some surficial loose material, which would conform with the DNR's estimated age of the slide mass.

Maximum surface grades along the drainage channels in the western portion and along the northeastern portion of the site approach approximately 85 percent over a maximum vertical relief of up to approximately 80 feet. As described earlier, the underlying stratigraphy along these slopes consists of permeable outwash deposits overlying relatively impermeable fine-grained deposits. Subsurface exploration has shown the upper outwash formation to be water-bearing, and we observed one point of seepage at an exposed interface between the upper outwash formation and lower fine-grained deposits. Therefore, conditions 'a', 'b', and 'e' as described above are met. Per the AMC, the north-facing steep slope and the drainage channels located in the western and northeastern portions of the site meet the classification for landslide hazard area designation.

Additional analysis regarding the slopes has been completed for the project and can be found in Section 4.3 below.

### *3.4.3 Seismic Hazard Areas*

Chapter 20.93.600.b.4 of the AMC defines seismic hazard areas as "areas subject to severe risk of earthquake damage as a result of seismic induced settlement, shaking, slope failure or soil liquefaction. These conditions occur in areas underlain by cohesion less soils of low density usually in association with a shallow groundwater table."

A review of a map titled *Faults and Earthquakes in Washington State*, dated 2014 by Jessica L. Czajkowski and Jeffrey D. Bowman shows the site does not reside within any active fault zone. The nearest fault, the Darrington-Devils Mountain Fault, is located approximately 10 miles north of the site. Quaternary-age activity of the fault (rupture within the last two million years) is predicted to have occurred during the Pleistocene and possibly during the early Holocene, or roughly between 10,000 to 126,000 years ago. Accordingly, during a seismic event, the risk of ground rupture along a fault line at the site is low.

Liquefaction is a phenomenon where there is a reduction or complete loss of soil strength due to an increase in water pressure induced by vibrations. Liquefaction mainly affects geologically recent deposits of fine-grained sands underlying the groundwater table. Soils of this nature derive their strength from intergranular friction. The generated water pressure or pore pressure essentially separates the soil grains and eliminates this intergranular friction; thus, eliminating the soil's strength.

The predominant formations underlying the site consist of medium dense to very dense sand formations, medium dense to very dense till formations, and very stiff to hard cohesive fine-grained formations. The sand formations are relatively permeable and would allow dissipation of pore water pressures generated by a seismic event, thereby not significantly impacting the effective strength of the deposits. The risk for soil liquefaction occurring at the site in the till and lower fine-grained deposits is negligible due to the relative density of the soils and amount of cohesive material that would be sufficient to resist the cyclical loading of a seismic event.

In addition, the Washington DNR has mapped the site as having a low to very low potential for liquefaction on their Geologic Information Portal website. Therefore, it is our opinion that the risk for soil liquefaction to occur at this site and its associated impacts is low.

Section 4.3 of this report includes a discussion relating to the susceptibility of the steep slope to seismically induced landsliding.

### 3.5 Seismic Site Class

Based on the site soil conditions, DNR mapping, and our knowledge of the area geology, per the 2021 International Building Code (IBC), site class "D" should be used in structural design.

## 4.0 DISCUSSION AND RECOMMENDATIONS

### 4.1 General

Based on our study, there are no geotechnical conditions that would preclude the planned development. The proposed structures can be supported on conventional spread footings bearing on competent native soils underlying organic topsoil or on structural fill placed on a competent native soil subgrade. Floor slabs and pavements can be similarly supported.

The primary geotechnical concern for the site will be the presence of steep slopes and associated landslide hazards adjacent to and throughout the site. Preliminary site plans show a 345-foot slope buffer from the crest of the northeast steep slopes adjacent to the development and an 80-foot buffer from the crest of the northwest steep slopes adjacent to the development, along with an additional 15-foot building setback which will be necessary to mitigate potential damage to the development from potential slope movement.

Most of the native soils observed in the test pits and borings contain a sufficient amount of fines (silt- and clay-sized particles) that will make compaction as structural fill difficult when the soils are wet or dry of optimum. Accordingly, the ability to use these soils from site excavations as structural fill will depend on their moisture content and the prevailing weather conditions at the time of construction. If grading activities take place during extended periods of wet weather, the owner should be prepared to import free-draining granular material for use as structural fill and backfill. The relatively clean outwash deposits observed below the till deposits generally have a low percentage of soil fines and should be suitable for use as structural fill in most weather conditions.

Detailed recommendations regarding these issues and other geotechnical design considerations are provided in the following sections of this report. These recommendations should be incorporated into the final design drawings and construction specifications.

## 4.2 Site Preparation and Grading

To prepare the site for construction, all vegetation, organic surface soils, and other deleterious materials should be stripped from areas of new construction. We expect surface stripping depths to remove the organic surficial soils would generally be about 3 to 12 inches. Stripped vegetation debris should be removed from the site. Organic soils will not be suitable for use as structural fill but may be used for limited depths in nonstructural areas or for landscaping purposes. Abandoned utilities should be removed if existing within new building areas. Abandoned utility pipes that fall outside of new building areas can be left in place provided they are sealed to prevent intrusion of groundwater seepage and soil.

Some loose surficial soils were observed in test pits completed by AESI along the upper plateau within the till and recessional outwash deposits. The depth of the loose material is limited and should be scarified to a depth of 12 inches and compacted, meeting the requirements outlined below. The lateral extent of the loose soils should be determined in the field during grading procedures.

Once clearing and grubbing operations are complete, cut and fill operations to establish desired grades can be initiated. A representative of Terra Associates, Inc., should examine all bearing surfaces to verify that the conditions encountered are as anticipated and are suitable for placement of structural fill or direct support of building and pavement elements. Our representative may request proof rolling of exposed surfaces with a heavy rubber-tired vehicle to determine if any isolated soft and yielding areas are present. If unstable yielding areas are observed, they should be cut to firm bearing soil and filled to grade with structural fill. If the depth of excavation to remove unstable soils is excessive, use of geotextile fabric such as Mirafi 500X or equivalent in conjunction with structural fill can be considered in order to limit the depth of removal. In general, our experience has shown that a minimum of 18 inches of clean, granular structural fill over the geotextile fabric should establish a stable bearing surface.

Our study indicates most of the site soils contain a significant amount of fines (silt and clay-sized particles) that will make them difficult to compact as structural fill when too wet or too dry. Provided these soils are near optimum moisture when excavated, and are placed during dry weather conditions, we anticipate they will generally be suitable for direct use as structural fill.

Materials that are wet of optimum will require drying the soil by aeration during dry weather conditions or by using soil amendments such as lime or Portland cement to reduce and stabilize the soil's moisture content. If soil amendment products are used, additional Temporary Erosion and Sedimentation Control (TESC) BMPs will need to be implemented to mitigate potential impacts to stormwater runoff associated with possible elevated pH levels.

The relatively clean recessional outwash soils observed above the till deposits generally have a low percentage of soil fines and should be suitable for use as structural fill in most weather conditions. If grading activities are planned during the wet winter months, or if they extend into fall and winter, imported fill materials should consist of a granular soil that meets the following grading requirements:

| U.S. Sieve Size | Percent Passing |
|---|---|
| 3 inches | 100 |
| No. 4 | 75 maximum |
| No. 200 | 5 maximum* |

*Based on the 3/4-inch fraction.

Prior to use, Terra Associates, Inc. should examine and test all materials planned to be imported to the site for use as structural fill.

Structural fill should be placed in uniform loose layers not exceeding 12 inches and compacted to a minimum of 95 percent of the soil's maximum dry density, as determined by American Society for Testing and Materials (ASTM) Test Designation D-1557 (Modified Proctor). The moisture content of the soil at the time of compaction should be within two percent of its optimum, as determined by this ASTM standard. In nonstructural areas, the degree of compaction may be reduced to 90 percent.

## 4.3 Relative Slope Stability

Reconnaissance of the site's steep slopes showed several instances of leaning, pistoled-butted, and fallen trees. As described above, we observed a small number of seeps along the north-facing slope and wet surface soils within the drainage channels. However, the slopes are heavily vegetated with ferns, blackberries, and other forest understory, and support the growth of many upright small- to medium-sized trees, and we did not observe any evidence of new tension-cracking or new head scarps.

We have completed 19 slope stability analyses for the project site. Nine of the analyses were completed within the area of the landslide hazard in the northern portion of the site and ten of the analyses were completed outside of the landslide hazard area but still within a steep slope area. Our analyses were completed at locations designated as Cross Section A-A' through I-I' and AA-AA' through JJ-JJ' using the computer program Slide 2. The location of the cross sections is shown on attached Figure 2.

Our analysis considered both static and pseudostatic (seismic) conditions. A horizontal acceleration of 0.23g was used in the pseudostatic analysis to simulate slope performance under earthquake loading. This acceleration was determined following the FHWA-NHI-11-032 "Limit Equilibrium Pseudo Static Stability Analysis" procedure.

The results of our slope stability analysis, as shown by the lowest safety factors for each condition, are presented in the following table:

**Table 1 – Slope Stability Analysis Results**

**Cross Sections Located inside of the Landslide Hazard Area**

| Cross Section | Minimum Safety Factors | |
|---|---|---|
| | Existing Conditions | Post Construction |
| A-A' | 2.4 (Seismic FS = 1.2) | 2.0 (Seismic FS = 1.2) |
| B-B' | 1.0 (Seismic FS = 0.5) | 0.8* (Seismic FS = 0.3*) |
| C-C' | 0.8 (Seismic FS = 0.4) | 0.9* (Seismic FS = 0.5*) |
| D-D' | 1.0 (Seismic FS = 0.4) | 1.0* (Seismic FS = 0.6*) |
| E-E' | 0.7 (Seismic FS = 0.3) | 0.8* (Seismic FS = 0.5*) |
| G-G' | 1.5 (Seismic FS = 0.8) | 1.5 (Seismic FS = 1.0*) |
| H-H' | 1.3 (Seismic FS = 0.7) | 1.0* (Seismic FS = 0.6*) |
| I-I' | 1.3 (Seismic FS = 0.7) | 1.3* (Seismic FS = 0.8*) |

These cross sections are located along the north slope which is a landslide hazard area. The project does not propose to mitigate the hazard but will use buffers from the crest of the landslide hazard along with a 15-foot building setback to provide protection from the landslide hazard areas. Based on the results of the analysis we recommend a 345-foot buffer from the crest of the east landslide hazard area and an 80-foot buffer from the crest of the west landslide hazard area. These buffers have been incorporated into the civil plans.

The post construction slope stability analysis shows that with the appropriate buffers and building setback applied, the proposed development is between 20 feet and 309 feet from the nearest failure plane. By utilizing the larger buffer, it is our opinion that the proposed development can be completed as shown on the civil plans and maintain the necessary public safety requirements. The results of the analysis are included in Appendix D.

The project currently proposes to construct a road, sidewalk, and path within the east landslide hazard buffer. These proposed improvements are located approximately 250 feet from the crest of the landslide hazard area. They are approximately 20 feet from the nearest failure plane under the static condition and therefore meet the engineering standard factor of safety for the static condition. Roadway improvements are typically allowed within the landslide hazard buffers provided the analysis shows that the roadway will be accessible following a design level earthquake event.

In order to determine the potential impact of a design level earthquake on these proposed improvements we have completed a Newmark Analysis. For the analysis, we selected the Cape Mendocino 1992 earthquake that occurred on the southern end of the Cascadia subduction zone. The seismic record had a maximum ground acceleration of 0.385g and a magnitude of 7.1. The results of the Newmark Analysis indicate that if this section experiences a design level earthquake, the resulting lateral displacements would be approximately 0.5 inches or less in the area of the proposed improvements. The larger lateral displacements associated with the landslide hazard area are approximately 230 feet north of the proposed improvements and are not expected to impact the area.

In our opinion, this amount of lateral displacement would have little to no impact on the proposed development other than some tension cracking along the paved access road. Tension cracking of this magnitude will be easily traversable and would not impede vehicular movement along the road and therefore would not be considered a life safety issue. Utilities located within this area would be subject to some lateral displacement however, the amount of displacement is small enough to have a minimal impact on the utility.

Section A-A' is located on the east side of the project. The analysis of this section determined minimum factors of safety that meet the engineering standards of 1.5 for static and 1.1 for seismic. Therefore, it is our opinion that the proposed development can be constructed as shown.

**Table 2 – Slope Stability Analysis Results**

**Cross Sections Located outside of the Landslide Hazard Area**

| Cross Section | Minimum Safety Factors | |
|---|---|---|
| | **Existing Conditions** | **Post Construction** |
| F-F' | 1.5<br>(Seismic FS = 1.0*) | 1.7<br>(Seismic FS = 1.1) |
| AA-AA' | 2.0<br>(Seismic FS = 1.3) | 1.9<br>(Seismic FS = 1.2) |
| BB-BB' | 1.6<br>(Seismic FS = 1.1) | 1.6<br>(Seismic FS = 1.1) |
| CC-CC' | 1.7<br>(Seismic FS = 1.1) | 1.7<br>(Seismic FS = 1.1) |
| DD-DD' | 1.6<br>(Seismic FS = 1.0*) | 1.8<br>(Seismic FS = 1.1) |
| EE-EE' | 1.7<br>(Seismic FS = 1.1) | 1.8<br>(Seismic FS = 1.1) |
| FF-FF' | 1.9<br>(Seismic FS = 1.2) | 2.0<br>(Seismic FS = 1.2) |
| GG-GG' | 1.4*<br>(Seismic FS = 0.9*) | 1.3*<br>(Seismic FS = 0.9*) |
| HH-HH' | 1.6<br>(Seismic FS = 1.0*) | 1.6<br>(Seismic FS = 1.0*) |

| Cross Section | Minimum Safety Factors | |
|---|---|---|
| | **Existing Conditions** | **Post Construction** |
| II-II' | 1.7<br>(Seismic FS = 1.1) | 1.7<br>(Seismic FS = 1.1) |
| JJ-JJ' | 2.0<br>(Seismic FS = 1.2) | 2.0<br>(Seismic FS = 1.2) |

The results of our analyses indicate the site slopes are generally stable with respect to deep-seated movement under static conditions with the exception of Cross Section GG-GG'. The results of the analysis are included in Appendix E.

Section GG-GG' is located on along the proposed roadway improvements at the north end of the project. Potential failure surfaces associated with factors of safety below 1.5, which is the minimum safety factor considered acceptable for stable slopes under static conditions by local geotechnical engineering practice, extend about four feet behind the apparent steep slope crest. Pseudostatic analysis of the existing slope on Section GG-GG' indicates the slope would fail during a severe seismic event with potential failure surfaces associated with factors of safety below 1.1, which is the minimum safety factor considered acceptable for stable slopes under pseudostatic conditions by local geotechnical engineering practice, extending about 30 feet behind the apparent steep slope crest. Therefore, it is our opinion that an appropriate buffer of 35 feet will adequately mitigate potential steep slope hazards at this location.

Analyses of slope section HH-HH' indicate adequate factors of safety exist for the existing slopes and the proposed development under static conditions but not for pseudostatic conditions.

At Section HH-HH', potential failure surfaces associated with safety factors below the acceptable minimum value of 1.1 terminate at the apparent slope crest of the existing slope and extend about 23 feet beyond the apparent slope crest for the proposed development. In our opinion, establishing a minimum buffer of 30 feet between the existing slope crest and any proposed development, including lot fills, would adequately mitigate potential steep slope hazards at this location.

Based on our understanding of the planned site development, the results of our stability analysis, our site observations, and provided the recommendations contained in this report are followed, it is our opinion that the following table should be used to establish suitable buffers that will adequately mitigate geologic hazards associated with the steep slopes outside of the landslide hazard areas.

| SITE IMPROVEMENTS | BUFFER (FEET) |
|---|---|
| Building Lots 621, 652 – 660 | 15 |
| Detention Vault | 30 |
| Roadway improvements and Building Lot 635 | 35 |

## 4.4 Excavations

All excavations at the site associated with confined spaces, such as lower-building level retaining walls, must be completed in accordance with local, state, and federal requirements. Based on the Washington State Safety and Health Administration (WSHA) regulations, the advance and recessional outwash deposits and loose to medium dense weathered till soils would typically be classified as Type "C" soils. The native fine-grained deposits would be classified as Type "B" soils. The native dense to very dense unweathered till deposits would be classified as Type "A" soils.

Accordingly, temporary excavations in Type C soils should have their slopes laid back at an inclination of 1.5:1 (Horizontal: Vertical) or flatter, from the toe to the crest of the slope. Side slopes in Type B soils can be laid back at an inclination of 1:1 or flatter. Side slopes in Type A soils can be laid back at a slope inclination of 0.75:1 or flatter. For temporary excavation slopes less than 8 feet in height in Type A soils, the lower 3.5 feet can be cut to a vertical condition, with a 0.75:1 slope graded above. For temporary excavation slopes greater than 8 feet in height up to a maximum height of 12 feet, the slope above the 3.5-foot vertical portion will need to be laid back at a minimum slope inclination of 1:1. No vertical cut with a backslope immediately above is allowed for excavation depths that exceed 12 feet. In this case, a four-foot vertical cut with an equivalent horizontal bench to the cut slope toe is required.

All exposed temporary slope faces that will remain open for an extended period of time should be covered with a durable reinforced plastic membrane during construction to prevent slope raveling and rutting during periods of precipitation.

Groundwater seepage should be anticipated within excavations. We anticipate that the volume of water and rate of flow into relatively shallow excavations will be relatively minor and are not expected to impact the stability of the excavations when completed, as described. Conventional sump pumping procedures, along with a system of collection trenches, if necessary, should be capable of maintaining a relative dry excavation for construction purposes. Deeper excavations into the advance outwash formation may encounter groundwater seepage, especially near the interface with the lower fine-grained soils, with volumes and flow rates sufficient to require some level of dewatering via well points or isolated deep-pump wells.

The above information is provided solely for the benefit of the owner and other design consultants and should not be construed to imply that Terra Associates, Inc. assumes responsibility for job site safety. It is understood that job site safety is the sole responsibility of the project general contractor.

## 4.5 Foundations

The proposed buildings may be supported on conventional spread footing foundations bearing on competent native soils or on structural fill placed above the competent soils. Foundation subgrade should be prepared as recommended in Section 4.2 of this report. Perimeter foundations exposed to the weather should bear a minimum depth of one and one-half feet below final exterior grades for frost protection. Interior foundations can be constructed at any convenient depth below the floor slab.

The native silty sand soils will be easily disturbed by normal construction activity particularly when wet. Care will need to be exercised during construction to avoid excessively disturbing the subgrade. If disturbed, the material should be removed, and footings lowered to undisturbed material or grade restored with structural fill. During wet-weather conditions, to avoid disturbance, consideration should be given to protecting the fill foundation subgrade with a four-inch layer of crushed rock or lean mix concrete.

Foundations for single-family residences bearing on competent soils can be dimensioned for a net allowable bearing capacity of 2,500 pounds per square foot (psf). For short-term loads, such as wind and seismic, a one-third increase in this allowable capacity can be used. With structural loading as anticipated and this bearing stress applied, estimated total settlements are less than one-half inch.

For designing foundations to resist lateral loads, a base friction coefficient of 0.35 can be used. Passive earth pressures acting on the side of the footing and buried portion of the foundation stem wall can also be considered. We recommend calculating this lateral resistance using an equivalent fluid weight of 300 pcf. We recommend not including the upper 12 inches of soil in this computation because they can be affected by weather or disturbed by future grading activity. This value assumes the foundation will be constructed neat against competent existing fill, native soil, or backfilled with structural fill as described in Section 4.2 of this report. The values recommended include a safety factor of 1.5.

## 4.6 Slab-on-Grade Floors

Slab-on-grade floors may be supported on subgrade prepared as recommended in Section 4.2 of this report. Immediately below the floor slab, we recommend placing a four-inch-thick capillary break layer composed of clean, coarse sand or fine gravel that has less than five percent passing the No. 200 sieve. This material will reduce the potential for upward capillary movement of water through the underlying soil and subsequent wetting of the floor slab.

The capillary break layer will not prevent moisture intrusion through the slab caused by water vapor transmission. Where moisture by vapor transmission is undesirable, such as covered floor areas, a common practice is to place a durable plastic membrane on the capillary break layer and then cover the membrane with a layer of clean sand or fine gravel to protect it from damage during construction and to aid in uniform curing of the concrete slab. It should be noted, if the sand or gravel layer overlying the membrane is saturated prior to pouring the slab, it will not be effective in assisting uniform curing of the slab and can actually serve as a water supply for moisture bleeding through the slab, potentially affecting floor coverings. Therefore, in our opinion, covering the membrane with a layer of sand or gravel should be avoided if floor slab construction occurs during the wet winter months and the layer cannot be effectively drained. We recommend floor designers and contractors refer to the current American Concrete Institute (ACI) Manual of Concrete Practice for further information regarding vapor barrier installation below slab-on-grade floors.

## 4.7 Stormwater Facilities

### *Detention Vault*

We expect the bottom of the excavations for the detention vaults will expose dense to very dense till and/or medium dense outwash. Vault foundations supported by these native soils may be designed for an allowable bearing capacity of 4,000 psf. For short-term loads, such as seismic, a one-third increase in this allowable capacity can be used.

Vault walls should be designed as below-grade retaining walls. The magnitude of earth pressure development on engineered retaining walls will partly depend upon the quality of the wall backfill. We recommend placing and compacting wall backfill as structural fill as described in Section 4.2 of this report. To prevent overstressing the walls during backfilling, heavy construction machinery should not be operated within five feet of the wall. Wall backfill in this zone should be compacted with hand-operated equipment. To prevent hydrostatic pressure development, wall drainage must also be installed. A typical wall drainage detail is shown on Figure 3.

With wall backfill placed and compacted as recommended and drainage properly installed, we recommend designing unrestrained walls for an active earth pressure equivalent to a fluid weighing 35 pounds per cubic foot (pcf). For restrained walls, an additional uniform load of 100 pounds per square foot (psf) should be added to the 35 pcf. To account for typical traffic surcharge loading, the walls can be designed for an additional imaginary height of two feet (two-foot soil surcharge). For evaluation of below-grade walls under seismic loading, an additional uniform lateral pressure equivalent to 8H psf, where H is the height of the below-grade portion of the wall in feet, can be used. These values assume a horizontal backfill condition and that no other surcharge loading such as traffic, sloping embankments, or adjacent buildings will act on the wall. If such conditions will exist, then the imposed loading must be included in the wall design. Friction at the base of foundations and passive earth pressure will provide resistance to these lateral loads. Values for these parameters are given in Section 4.4 of this report.

If it is not possible to discharge collected water at the footing invert elevation, the invert elevation of the wall drainpipe could be set equivalent to the outfall invert. For any portion of the wall that falls below the invert elevation of the wall drain, an earth pressure equivalent to a fluid weighing 85 pcf should be used.

***Stormwater Ponds***

If fill berms will be constructed, the berm locations should be stripped of topsoil, duff, and soils containing organic material prior to the placement of fill. The fill berms should be constructed by placing structural fill in accordance with recommendations outlined in Section 4.2 of this report. Material used to construct pond berms should consist of predominately granular soils with a maximum size of three inches and a minimum of 20 percent fines. Terra Associates, Inc. should examine and test all onsite or imported materials proposed for use as berm fill prior to their use.

It is possible that sand and gravel soils may be exposed within the pond area. Therefore, it may be necessary to line the dead storage portion of the pond for water quality purposes depending on the final grades and exposed soils.

Due to the exposure to fluctuating stored water levels and wave action, soils exposed on the interior side slopes of the ponds may be subject to some risk of periodic shallow instability or sloughing. Establishing interior slopes at a 3:1 gradient will significantly reduce or eliminate this potential. Exterior berm slopes and interior slopes above the maximum water surface should be graded to a finished inclination no steeper than 2:1. Finished slope faces should be thoroughly compacted and vegetated to guard against erosion.

We should review the stormwater plans when they are completed and revise our recommendations, if required.

## 4.8 Infiltration Feasibility

It is our opinion that the proximity of the development to steep slopes would preclude any development of infiltration facilities or low impact development (LID) elements as the introduction of stormwater adjacent to the steep slopes has the potential to impact the stability of the slopes.

## 4.9 Drainage

***Surface***

Final exterior grades should promote free and positive drainage away from the site at all times. Water must not be allowed to pond or collect adjacent to foundations or within the immediate building areas. We recommend providing a positive drainage gradient away from the building perimeter. If this gradient cannot be provided, surface water should be collected adjacent to the structures and directed to appropriate storm facilities.

Surface water must not be allowed to flow uncontrolled over the crest of the site slopes and embankments. Surface water should be directed away from the slope crests to a point of collection and controlled discharge. If site grades do not allow for directing surface water away from slopes, then water should be collected and tightlined down the slope face in a controlled manner.

***Subsurface***

We recommend installing perimeter foundation drains adjacent to shallow foundations. The drains can be laid to grade at an invert elevation equivalent to the bottom of footing grade. The drains can consist of four-inch diameter perforated PVC pipe enveloped in washed pea gravel-sized drainage aggregate. The aggregate should extend six inches above and to the sides of the pipe. Roof and foundation drains should be tightlined separately to the storm drains. All drains should be provided with cleanouts at easily accessible locations.

## 4.10 Utilities

Utility pipes should be bedded and backfilled in accordance with American Public Works Association (APWA) or local jurisdictional requirements. At minimum, trench backfill should be placed and compacted as structural fill, as described in Section 4.2. As noted, soils excavated onsite should be suitable for use as backfill material. However, some of the site soils are fine-grained and moisture sensitive; therefore, moisture conditioning may be necessary to facilitate proper compaction. If utility construction takes place during the winter, it may be necessary to import suitable wet-weather fill for utility trench backfilling.

## 4.11 Pavements

Pavement subgrades should be prepared as described in Section 4.2 of this report. Regardless of the degree of relative compaction achieved, the subgrade must be firm and relatively unyielding before paving. The subgrade should be proof rolled with heavy rubber-tired construction equipment such as a loaded ten-yard dump truck to verify this condition.

The pavement design section is dependent upon the supporting capability of the subgrade soils and the traffic conditions to which it will be subjected. For residential access, with traffic consisting mainly of light passenger vehicles with only occasional heavy traffic, and with a stable subgrade prepared as recommended, we recommend the following pavement sections:

- Two inches of Hot Mix Asphalt (HMA) over four inches of Crushed Rock Base (CRB).
- Three and one-half inches of full depth HMA.

The paving materials used should conform to the Washington State Department of Transportation (WSDOT) specifications for half-inch class HMA and CRB.

If the existing roadway in the southern portion of the site is intended to remain without a change in alignment, we recommend a two-inch grind and overlay to improve surface conditions along the roadway.

Long-term pavement performance will depend on surface drainage. A poorly drained pavement section will be subject to premature failure as a result of surface water infiltrating into the subgrade soils and reducing their supporting capability. For optimum pavement performance, we recommend surface drainage gradients of at least two percent. Some degree of longitudinal and transverse cracking of the pavement surface should be expected over time. Regular maintenance should be planned to seal cracks when they occur.

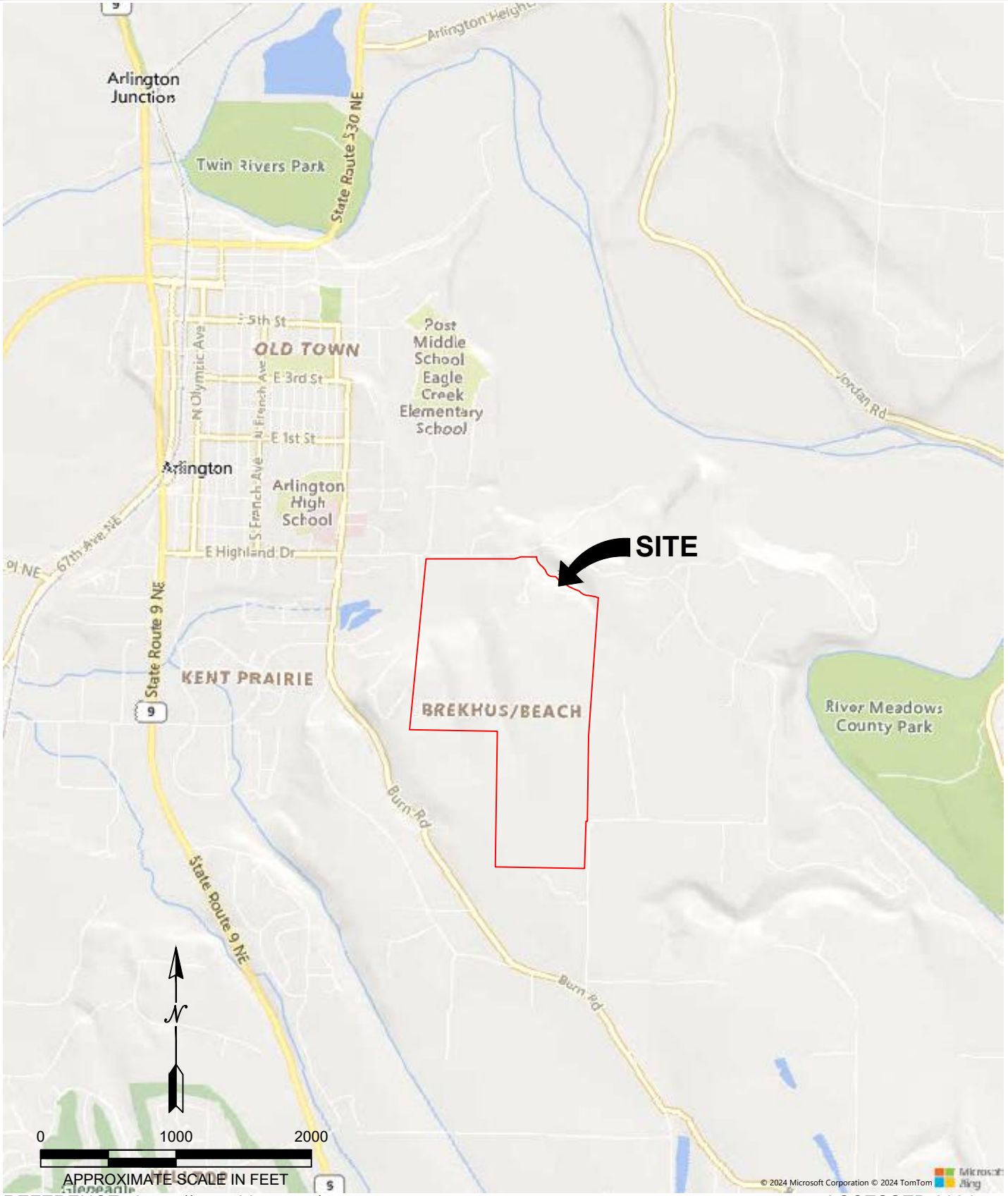
## 5.0 ADDITIONAL SERVICES

Terra Associates, Inc. should review the final design drawings and specifications in order to verify earthwork and foundation recommendations have been properly interpreted and implemented in project design. We should also provide geotechnical service during construction to observe compliance with our design concepts, specifications, and recommendations. This will allow for design changes if subsurface conditions differ from those anticipated prior to the start of construction.

## 6.0 LIMITATIONS

We prepared this report in accordance with generally accepted geotechnical engineering practices. No other warranty, expressed or implied, is made. This report is the copyrighted property of Terra Associates, Inc. and is intended for specific application to the Arlington 360 project in Arlington, Washington and for the exclusive use of Arlington 360, LLC and their authorized representatives.

The analyses and recommendations presented in this report are based on data obtained from the subsurface explorations completed onsite. Variations in soil conditions can occur, the nature and extent of which may not become evident until construction. If variations appear evident, Terra Associates, Inc. should be requested to reevaluate the recommendations in this report prior to proceeding with construction.




REFERENCE: https://www.bing.com/maps ACCESSED 2024

**Terra Associates, Inc.**
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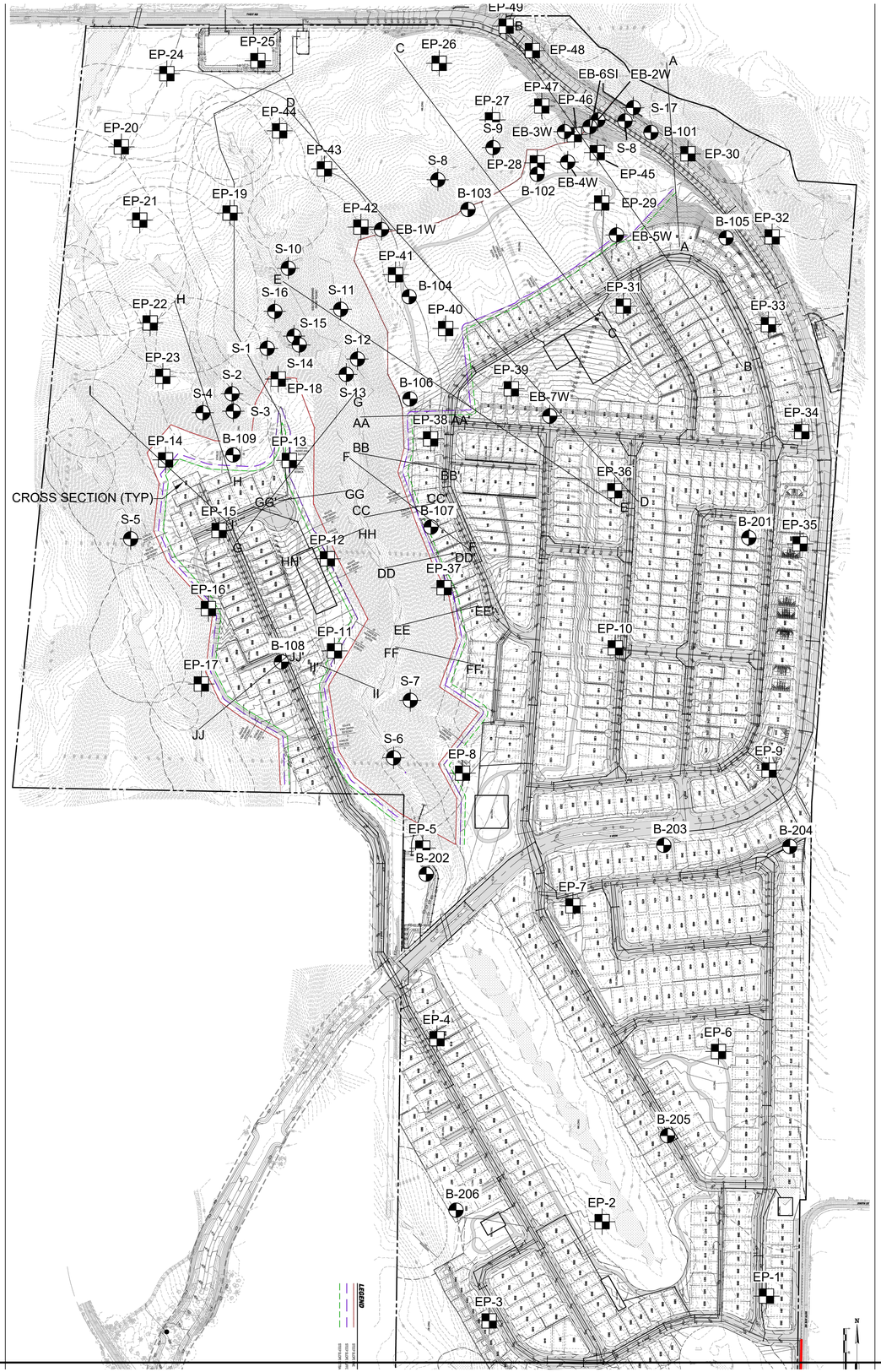
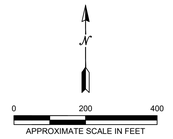
Geology and
Environmental Earth Sciences

VICINITY MAP
ARLINGTON 360
ARLINGTON, WASHINGTON

| Proj.No. T-9011 | Date: DEC 2025 | Figure 1 |
|---|---|---|




**LEGEND:**

- APPROXIMATE BORING LOCATION - TERRA ASSOCIATES,INC.
- APPROXIMATE BORING LOCATION - BY OTEHRS
- APPROXIMATE TEST PIT LOCATION - BY OTHERS

**NOTE:**

THIS SITE PLAN IS SCHEMATIC. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE. IT IS INTENDED FOR REFERENCE ONLY AND SHOULD NOT BE USED FOR DESIGN OR CONSTRUCTION PURPOSES.

**REFERENCE:** SITE PLAN PROVIDED BY CLIENT.

| No: | Date: | Description: |
|---|---|---|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |

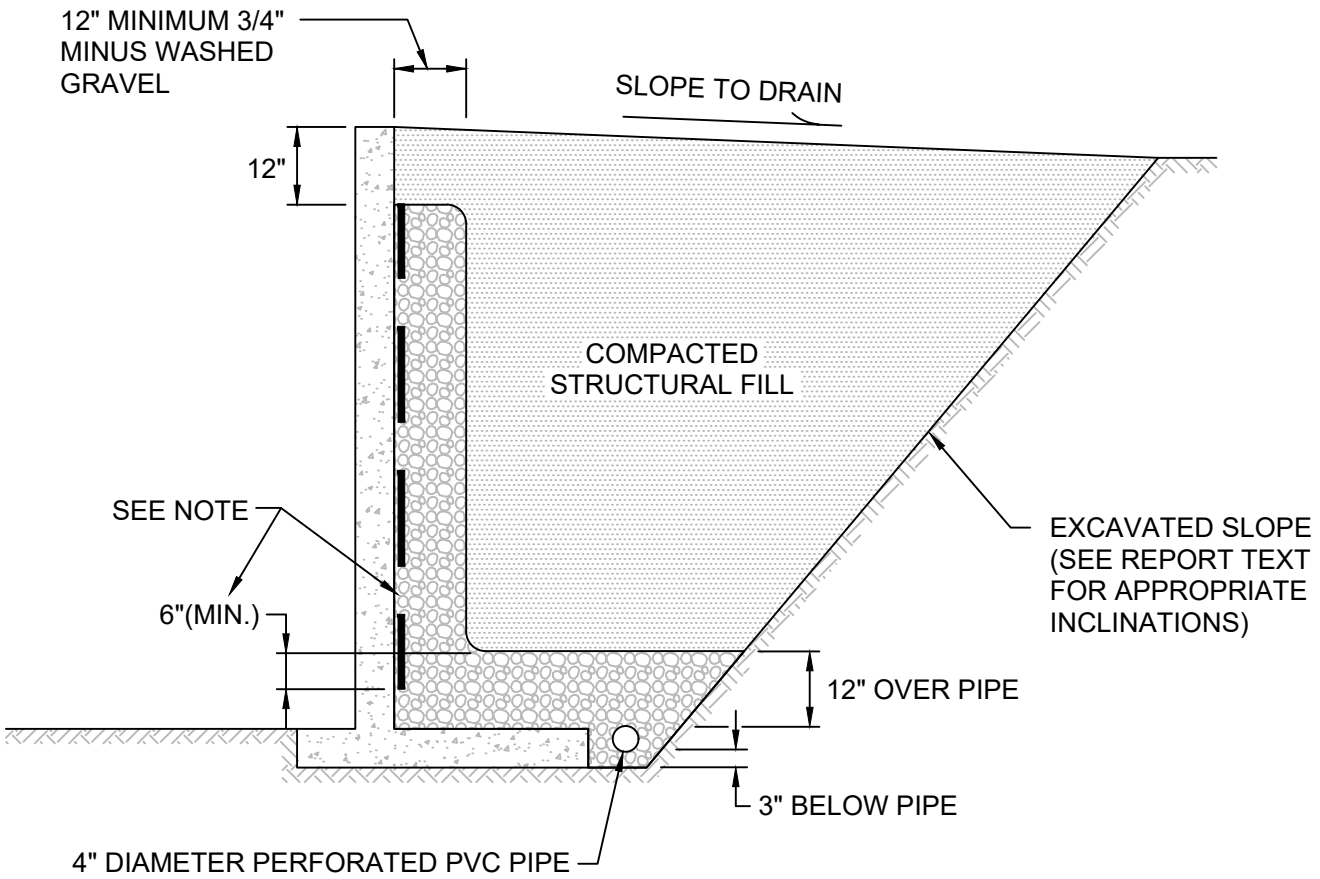

**Terra Associates, Inc.**
Consultants in Geotechnical Engineering, Geology and Environmental Earth Sciences
12220 113th Avenue NE, Suite 130, Kirkland, Washington 98034 • Phone (425) 821-7777 • Fax (425) 821-4334


# EXPLORATION LOCATION PLAN
ARLINGTON 360
ARLINGTON,WASHINGTON

| | |
|---|---|
| Prepared by: | SED |
| Designed by: | CSD |
| Approved by: | CSD |
| Date: | DECEMBER 2025 |

FIGURE 2

Project No. T-9011




**NOT TO SCALE**

**NOTE:**

MIRADRAIN G100N PREFABRICATED DRAINAGE PANELS OR SIMILAR PRODUCT CAN BE SUBSTITUTED FOR THE 12-INCH WIDE GRAVEL DRAIN BEHIND WALL. DRAINAGE PANELS SHOULD EXTEND A MINIMUM OF SIX INCHES INTO 12-INCH THICK DRAINAGE GRAVEL LAYER OVER PERFORATED DRAIN PIPE.

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TYPICAL WALL DRAINAGE DETAIL
ARLINGTON 360
ARLINGTON, WASHINGTON

| Proj.No. T-9011 | Date: DEC 2025 | Figure 3 |
|---|---|---|

## APPENDIX A

## FIELD EXPLORATION AND LABORATORY TESTING

**Arlington 360**
**Arlington, Washington**

On April 22, 2024, through April 24, 2024, we explored subsurface conditions at the site at 9 test borings advanced with a hollow-stem auger to maximum depths of approximately 50 feet below existing site grades. On April 7, 2025, through April 11, 2025, we supplement this data by drilling 6 additional wells to a maximum depth of approximately 90 feet below current site grades. The test boring locations are shown on Figure 2. The test boring locations were approximately determined in the field using GPS coordinates derived from Google Earth. The Test Boring Logs are presented on Figures A-2 and A-16.

A geotechnical engineer from our office conducted the field exploration. Our representative classified the soil conditions encountered, maintained a log of each test boring, obtained representative soil samples, and recorded water levels observed during subsurface exploration. During drilling, soil samples were obtained in general accordance with ASTM Test Designation D-1586. Using this procedure, a two-inch (outside diameter) split barrel sampler is driven into the ground 18 inches using a 140-pound hammer free falling a height of 30 inches. The number of blows required to drive the sampler 12 inches after an initial 6-inch set is referred to as the Standard Penetration Resistance value or N value. This is an index related to the consistency of cohesive soils and relative density of cohesionless materials. N values obtained for each sampling interval are recorded on the Test Boring Logs. All soil samples were visually classified in accordance with the Unified Soil Classification System (USCS) described on Figure A-1.

Representative soil samples obtained from the test borings were placed in sealed plastic bags and taken to our laboratory for further examination and testing. The moisture content of each sample was measured and is reported on the Test Boring Logs. Grain size analyses were performed on selected samples. The results of the grain size analyses are shown on Figures A-17 and A-18.

| MAJOR DIVISIONS | | | LETTER SYMBOL | TYPICAL DESCRIPTION |
|---|---|---|---|---|
| COARSE GRAINED SOILS: More than 50% material larger than No. 200 sieve size | **GRAVELS** More than 50% of coarse fraction is larger than No. 4 sieve | Clean Gravels (less than 5% fines) | GW | Well-graded gravels, gravel-sand mixtures, little or no fines. |
| | | | GP | Poorly-graded gravels, gravel-sand mixtures, little or no fines. |
| | | Gravels with fines | GM | Silty gravels, gravel-sand-silt mixtures, non-plastic fines. |
| | | | GC | Clayey gravels, gravel-sand-clay mixtures, plastic fines. |
| | **SANDS** More than 50% of coarse fraction is smaller than No. 4 sieve | Clean Sands (less than 5% fines) | SW | Well-graded sands, sands with gravel, little or no fines. |
| | | | SP | Poorly-graded sands, sands with gravel, little or no fines. |
| | | Sands with fines | SM | Silty sands, sand-silt mixtures, non-plastic fines. |
| | | | SC | Clayey sands, sand-clay mixtures, plastic fines. |
| FINE GRAINED SOILS: More than 50% material smaller than No. 200 sieve size | **SILTS AND CLAYS** Liquid Limit is less than 50% | | ML | Inorganic silts, rock flour, clayey silts with slight plasticity. |
| | | | CL | Inorganic clays of low to medium plasticity. (Lean clay) |
| | | | OL | Organic silts and organic clays of low plasticity. |
| | **SILTS AND CLAYS** Liquid Limit is greater than 50% | | MH | Inorganic silts, elastic. |
| | | | CH | Inorganic clays of high plasticity. (Fat clay) |
| | | | OH | Organic clays of high plasticity. |
| HIGHLY ORGANIC SOILS | | | PT | Peat. |

**DEFINITION OF TERMS AND SYMBOLS**

**COHESIONLESS**

| Density | Standard Penetration Resistance in Blows/Foot |
|---|---|
| Very Loose | 0-4 |
| Loose | 4-10 |
| Medium Dense | 10-30 |
| Dense | 30-50 |
| Very Dense | >50 |

**COHESIVE**

| Consistancy | Standard Penetration Resistance in Blows/Foot |
|---|---|
| Very Soft | 0-2 |
| Soft | 2-4 |
| Medium Stiff | 4-8 |
| Stiff | 8-16 |
| Very Stiff | 16-32 |
| Hard | >32 |

| | |
|---|---|
| I | 2" OUTSIDE DIAMETER SPILT SPOON SAMPLER |
| II | 2.4" INSIDE DIAMETER RING SAMPLER OR SHELBY TUBE SAMPLER |
| ▼ | WATER LEVEL (Date) |
| Tr | TORVANE READINGS, tsf |
| Pp | PENETROMETER READING, tsf |
| DD | DRY DENSITY, pounds per cubic foot |
| LL | LIQUID LIMIT, percent |
| PI | PLASTIC INDEX |
| N | STANDARD PENETRATION, blows per foot |

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UNIFIED SOIL CLASSIFICATION SYSTEM
ARLINGTON 360
ARLINGTON, WASHINGTON

| Proj.No. T-9011 | Date: DEC 2025 | Figure A-1 |
|---|---|---|

# LOG OF BORING NO. B-101

**Figure No.** A-2

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 22, 2024

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -8 ft, -36 ft, -41 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | Moisture Content (%) | Observ. Well |
|---|---|---|---|---|---|---|
| 0 | | Gray silty SAND with gravel, fine to coarse sand, fine to coarse gravel, moist, mottled, occasional rootlet, occasional small-sized organic fragment. (SM) (Lodgement Till) | Dense | | | |
| 5 | | | | 40 | 15.5 | |
| 10 | | Gray silty SAND, fine to medium sand, wet, oxidized, occasional gravel, occasional silt seam. (SM) (Olympia Sand) | Medium Dense | 13 | 23.4 | |
| 15 | | | | 12 | 28.4 | |
| 20 | | | | 17 | 28.2 | |
| 25 | | *Interbedded silt layers observed* *Continued on Next Page* | | 13 | 30.1 | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

**Terra Associates, Inc.**
Consultants in Geotechnical Engineering
Geology and
Environmental Earth Sciences

# LOG OF BORING NO. B-101

**Figure No.** A-2

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 22, 2024

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -8 ft, -36 ft, -41 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | | Moisture Content (%) | Observ. Well |
|---|---|---|---|---|---|---|---|
| 30 | | Bluish-gray SILT, moist to wet, laminated. (ML) (Olympia Fine-Grained) | Very Stiff | | 27 | 27.5 | |
| 35 | | *Locally blocky structure, scattered inundated sand with silt inclusions observed in sample* | Hard | | 30 | 28.8 | |
| 40 | | *Slightly blocky structure, scattered inundated sand with silt inclusions observed in sample* | Very Stiff | | 27 | 30.7 | |
| 45 | | *Slightly blocky structure, scattered sand with silt inclusions observed in sample* | | | 21 | 30.5 | |
| 50 | | | Hard | | 51 | 30.6 | |
| 55 | | Test Boring terminated at approximately 50 feet.<br><br>Perched groundwater seepage observed at approximately 8 feet, 36 feet, and 41 feet.<br><br>Test Boring converted to monitoring well with Well ID BPG 819. | | | | | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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# LOG OF BORING NO. B-102

**Figure No.** A-3

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 22, 2024

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -18 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | | Moisture Content (%) |
|---|---|---|---|---|---|---|
| 0 | | Gray sandy SILT with gravel, fine to coarse sand, fine to coarse gravel, moist, mottled. (ML) (Lodgement Till) | Dense | | | |
| 5 | | | | | 38 | 14.1 |
| | | | Very Dense | | | |
| 10 | | | | | 79 | 8.9 |
| 15 | | *Occasional small-sized organic fragments observed in sample* | | | 21 | 16.8<br>11.7 |
| | | Gray SAND with silt, fine to medium sand, moist to wet, occasionally oxidized, trace silt seams. (SP-SM) (Olympia Sand) | | | | |
| 20 | | | Medium Dense | | 20 | 22.9 |
| 25 | | | | | 26 | 21.4 |
| | | Gray silty SAND, fine to medium sand, wet, occasionally oxidized, trace silt seams. (SM) (Olympia Sand) | | | | |
| 30 | | *Continued on Next Page* | | | 28 | 27.2 |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

**Terra Associates, Inc.**
Consultants in Geotechnical Engineering
Geology and
Environmental Earth Sciences

# LOG OF BORING NO. B-102

**Figure No.** A-3

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 22, 2024

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** 18 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | | Moisture Content (%) |
|---|---|---|---|---|---|---|
| 35 | | Gray silty SAND, fine to medium sand, wet, occasionally oxidized, trace silt seams. (SM) (Olympia Sand) | Dense | | 31 | 26.3 |
| 40 | | Gray SILT, moist, laminated, occasional oxidized lamination, occasional sand with silt seam. (ML) | Hard | | 38 | 29.5 |
| 45 | | Gray sandy SILT, fine sand, moist to wet, trace sand with silt layers. (ML) | Dense | | 38 | 29.5 |
| 50 | | Gray SILT, moist, massive, interbedded sandy silt layers. (ML) (Olympia Fine-Grained?) | Very Stiff | | 23 | 28.8 |
| | | Test Boring terminated at approximately 50 feet.<br><br>Groundwater seepage observed at approximately 18 feet. | | | | |
| 55 | | | | | | |
| 60 | | | | | | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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# LOG OF BORING NO. B-103

**Figure No.** A-4

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 23, 2024

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -13 ft, -28 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | | Moisture Content (%) |
|---|---|---|---|---|---|---|
| 0 | | Brown sandy SILT, fine to medium sand, moist, trace rootlets, trace gravel. (ML) (Weathered Till) | Dense | | | |
| 5 | | Gray sandy SILT with gravel, fine to medium sand, fine to coarse gravel, dry to moist, mottled. (ML) (Lodgement Till) | | | 36 | 27.1<br>11.7 |
| 10 | | *Interbedded silt layers, sand with silt seams observed in sample* | | | 13 | 31.4 |
| 15 | | Gray SAND with silt, fine to medium sand, moist, occasionally oxidized, trace silt seams. (SP-SM) (Olympia Sand)<br>*Water observed in sampler* | Medium Dense | | 22 | 14.6 |
| 20 | | | | | 28 | 12.3 |
| 25 | | Gray SILT, moist, oxidized laminations, massive, occasional sand with silt layer. (ML)<br>*Continued on Next Page* | Very Stiff | | 21 | 29.3 |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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# LOG OF BORING NO. B-103

**Figure No.** A-4

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 23, 2024

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -13 ft, -28 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | | Moisture Content (%) |
|---|---|---|---|---|---|---|
| 30 | | Gray silty SAND, fine to medium sand, wet, occasionaly oxidized. (SM) (Olympia Sand) | | | 34 | 24.2 |
| 35 | | | | | 48 | 21.1 |
| | | | Dense | | | |
| 40 | | *Silt seams and fine gravel observed in sample* | | | 31 | 25.7 |
| 45 | | *Trace silt seams observed in sample* | | | 40 | 27.4 |
| 50 | | Gray SILT, moist, laminated, oxidized laminations, interbedded and inundated sand with silt layers. (ML) (Olympia Fine-Grained?) | Hard | | 36 | 29.3 |
| 55 | | Test Boring terminated at approximately 50 feet.<br><br>Perched groundwater seepage observed at approximately 13 feet.<br><br>Groundwater seepage observed at approximately 28 feet. | | | | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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# LOG OF BORING NO. B-104

**Figure No.** A-5

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 24, 2024

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -20.5 ft, -25.5 ft, -44 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | | Moisture Content (%) | Observ. Well |
|---|---|---|---|---|---|---|---|
| 0 | | Gray sandy SILT with gravel, fine to medium sand, fine to coarse gravel, moist, mottled, trace small- to medium-sized organic fragments. (ML) (Lodgement Till) | Dense | | 41 | 14.6 | |
| 5 | | | | | | | |
| 10 | | Gray silty SAND, fine to medium sand, dry to wet, occasional oxidized, trace silt seams. (SM) (Olympia Sand) | Medium Dense | | 20 | 10.8<br>6.6 | |
| 15 | | | | | 29 | 13.7 | |
| ▼20 | | | | | 22 | 25.3 | |
| ▼25 | | *9-inch layer of laminated and oxidized silt observed in sample*<br>*Continued on Next Page* | Dense | | 37 | 17.5<br>29.6 | |

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# LOG OF BORING NO. B-104

**Figure No.** A-5

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 24, 2024

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -20.5 ft, -25.5 ft, -44 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 / 30 / 50) | | Moisture Content (%) | Observ. Well |
|---|---|---|---|---|---|---|---|
| 30 | | Gray silty SAND, fine to medium sand, dry to wet, occasionally oxidized, trace silt seams. (SM) (Olympia Sand) | Dense | | 47 | 4.3 | |
| 35 | | | | | 49 | 11.6 | |
| 40 | | *8-inch layer of laminated and oxidized silt observed in sample* | Medium Dense | | 26 | 5.6<br>27.1 | |
| 45 | | | Dense | | 30 | 25.7 | |
| 50 | | *Interbedded layers of fine silty sand and sandy silt observed in sample* | | | 31 | 31.0<br>28.3<br>35.3 | |
| 55 | | Test Boring terminated at approximately 50 feet.<br><br>Perched groundwater seepage observed at approximately 20.5 feet, 25.5 feet, and 44 feet.<br><br>Test Boring converted to monitoring well with Well ID BPG 850. | | | | | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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# LOG OF BORING NO. B-105

**Figure No.** A-6

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 22, 2024

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -10.5 ft, -23 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | | Moisture Content (%) |
|---|---|---|---|---|---|---|
| 0 | | | | | | |
| | | Brownish-gray sandy SILT with gravel, fine to coarse sand, fine to coarse gravel, moist. (ML) (Weathered Till) | Dense | | | |
| 5 | | | | | 39 | 15.1 |
| | | Gray silty SAND, fine to medium sand, moist, mottled, trace gravel. (SM) (Lodgement Till) | | | | |
| 10 | | *3-inch inundated sand layer observed in sample* | | | 23 | 15.4 |
| 15 | | | | | 24 | 12.4 |
| | | Gray silty SAND, fine sand, moist to wet, occasional oxidized. (SM) (Olympia Sand) | Medium Dense | | | |
| 20 | | | | | 30 | 12.5 |
| 25 | | | | | 26 | 27.8 |
| | | *Continued on Next Page* | | | | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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# LOG OF BORING NO. B-105

**Figure No.** A-6

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 22, 2024

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -10.5 ft, -23 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | Moisture Content (%) |
|---|---|---|---|---|---|
| 30 | | Gray silty SAND, fine to medium sand, wet, occasionally oxidized, occasional sandy silt layers, occasional gravel. (SM) (Olympia Sand) | Dense | 36 | 29.4 |
| 35 | | | Very Dense | 51 | 27.4 |
| 40 | | | Dense | 47 | 26.4 |
| 45 | | | Very Dense | 55 | 23.8 |
| | | Gray sandy SILT, moist to wet, fine to medium sand. (ML) | | | 28.3 |
| | | Gray SILT, moist, laminated, interbedded sand with silt and sandy silt seams. (ML) (Olympia Fine-Grained?) | Hard | | |
| 50 | | | | 62 | 29.1 |
| | | Test Boring terminated at approximately 50 feet. | | | |
| | | Perched groundwater seepage observed at approximately 10.5 feet. | | | |
| 55 | | Groundwater seepage observed at approximately 23 feet. | | | |

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# LOG OF BORING NO. B-106

**Figure No.** A-7

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 23, 2024

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -39 ft, -44 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | | Moisture Content (%) |
|---|---|---|---|---|---|---|
| 0 | | Brown sandy SILT with gravel, fine to coarse sand, fine to coarse gravel, moist, trace rootlets. (ML) (Weathered Till) | | | | |
| 5 | | Gray silty SAND with gravel, fine to medium sand, fine to coarse gravel, moist. (SM) (Lodgement Till) | | | 27 | 14.2 |
| | | Gray silty SAND, fine to medium sand, moist, occasionally oxidized, trace silt seams. (SM) (Olympia Sand) | | | | 17.4 |
| 10 | | | | | 11 | 21.7 |
| 15 | | | Medium Dense | | 14 | 18.9 |
| 20 | | | | | 17 | 20.6 |
| 25 | | | | | 18 | 24.5 |
| | | Gray SILT, moist, laminated, interbedded sand with silt seams. (ML) | | | | 27.5 |
| | | *Continued on Next Page* | | | | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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# LOG OF BORING NO. B-106

**Figure No.** A-7

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 23, 2024

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -39 ft, -44 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 / 30 / 50) | Moisture Content (%) |
|---|---|---|---|---|---|
| 30 | | Gray silty SAND, fine to medium sand, moist to wet, occasionally oxidized, trace silt seams. (SM) (Olympia Sand) | Medium Dense | 21 | 15.6 |
| 35 | | | Dense | 37 | 16.6 |
| 40 | | *Interbedded silt layers observed in sample* | Medium Dense | 27 | 29.6 |
| 45 | | *Interbedded silt layers observed in sample* | Dense | 32 | 31.7 |
| 50 | | | Very Dense | 55 | 29.4 |
| | | Gray SILT, moist, laminated. (ML) (Olympa Fine-Grained?) | Hard | | 30.6 |
| 55 | | Test Boring terminated at approximately 50 feet.<br>Perched groundwater seepage observed at approximately 39 feet.<br>Groundwater seepage observed at approximately 44 feet. | | | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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# LOG OF BORING NO. B-107

**Figure No.** A-8

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 24, 2024

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** NA **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | Moisture Content (%) | Observ. Well |
|---|---|---|---|---|---|---|
| 0 | | Gray sandy SILT with gravel, fine to medium sand, fine to coarse gravel, moist, mottled, occasional sand with silt seam. (ML) (Lodgement Till) | | | | |
| 5 | | | Dense | 39 | 12.8 | |
| 10 | | | | 27 | 13.7 | |
| | | Gray silty SAND, fine to medium sand, moist, oxidized, trace silt seams. (SM) (Olympia Sand) | | | 16.1 | |
| 15 | | | Medium Dense | 25 | 20.7 | |
| 20 | | | | 27 | 14.8 | |
| 25 | | | Dense | 31 | 16.4 | |
| | | *Continued on Next Page* | | | | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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# LOG OF BORING NO. B-107

**Figure No.** A-8

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 24, 2024

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** NA **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 / 30 / 50) | Moisture Content (%) | Observ. Well |
|---|---|---|---|---|---|---|
| 30 | | Gray silty SAND, fine to medium sand, dry to moist, oxidized, trace silt seams. (SM) (Olympia Sand) | Medium Dense | 27 | 10.9 | |
| 35 | | | | 34 | 9.5 | |
| 40 | | | Dense | 47 | 8.4 | |
| 45 | | | | 46 | 10.7 | |
| 50 | | | Very Dense | 52 | 16.7 | |
| 55 | | Test Boring terminated at approximately 50 feet.<br>No groundwater seepage observed.<br>Test Boring converted to monitoring well with Well ID BPG 916. | | | | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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# LOG OF BORING NO. B-108

**Figure No.** A-9

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 23, 2024

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** 5 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | | Moisture Content (%) |
|---|---|---|---|---|---|---|
| 0 | | Brown silty SAND with gravel, fine to coarse sand, fine to coarse gravel, moist to wet, trace rootlets. (SM) (Weathered Till) | Very Dense | | | |
| 5 | | Gray silty SAND to silty SAND with gravel, fine to medium sand, fine to coarse gravel, dry to moist, mottled. (SM) (Lodgement Till) | | | 81 | 9.8 |
| 10 | | Gray SAND with silt, fine to medium sand, moist, oxidized, trace seams. (SP-SM) (Olympia Sand) | Medium Dense | | 29 | 10.5<br>7.3 |
| 15 | | | | | 26 | 10.9 |
| 20 | | | Dense | | 37 | 9.1 |
| 25 | | *Continued on Next Page* | | | 41 | 9.7 |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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# LOG OF BORING NO. B-108

**Figure No.** A-9

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 23, 2024

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** 5 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 / 30 / 50) | Moisture Content (%) |
|---|---|---|---|---|---|
| 30 | | Gray SAND with silt, fine to medium sand, dry to moist, occasionally oxidized, occasional silt seam. (SP-SM) (Olympia Sand) | | 39 | 6.7 |
| 35 | | | Dense | 49 | 5.6 |
| 40 | | | | 48 | 8.8 |
| 45 | | | Very Dense | 56 | 8.5 |
| 50 | | | | 50 | 13.4 |
| 55 | | Test Boring terminated at approximately 50 feet.<br>Perched groundwater observed at approximately 5 feet. | | | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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# LOG OF BORING NO. B-109

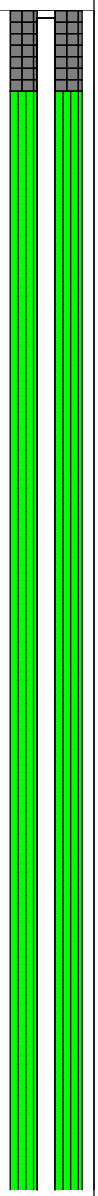
**Figure No.** A-10

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 23, 2024

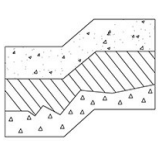
**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -30.5 ft, -38 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | | Moisture Content (%) | Observ. Well |
|---|---|---|---|---|---|---|---|
| 0 | | Gray sandy SILT, fine to coarse sand, moist, mottled, trace fine gravel. (ML) (Lodgement Till) | | | | | |
| 5 | | *Approximately 2 inches of wet sandy silt with scattered rootlets observed at top of sample* | Very Dense | | 63 | 12.8 | |
| 10 | | Gray SAND with silt, fine to medium sand, dry to moist, occasionally oxidized, occasional silt seam. (SP-SM) (Olympia Sand) | Dense | | 42 | 43.0<br>11.4 | |
| 15 | | | Medium Dense | | 26 | 10.8 | |
| 20 | | | Dense | | 30 | 15.8 | |
| 25 | | *Continued on Next Page* | | | 36 | 19.4 | |



NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site



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# LOG OF BORING NO. B-109

**Figure No.** A-10

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 23, 2024

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -30.5 ft, -38 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | Moisture Content (%) | Observ. Well |
|---|---|---|---|---|---|---|
| 30 | | Gray SILT, moist, laminated, occasional inundated sand with silt layer. (ML) | Hard | 35 | 31.1 | |
| 35 | | Gray sandy SILT, fine to medium sand, wet, some oxidation, occasional fine gravel, occasional silt layer. (ML) | Dense | 41 | 29.4 | |
| 40 | | | Very Dense | 88/11" | 30.1 | |
| 45 | | | Dense | 41 | 28.5 | |
| 50 | | Blusih-gray silty SAND, fine to medium sand, wet, occasional silt seam. (SM) | | 36 | 25.4 | |
| 55 | | Test Boring terminated at approximately 50 feet.<br>Perched groundwater seepage observed at approximately 30.5 feet.<br>Groundwater seepage observed at approximately 38 feet.<br>Test Boring converted to monitoring well with Well ID BPG 849. | | | | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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# LOG OF BORING NO. B-201

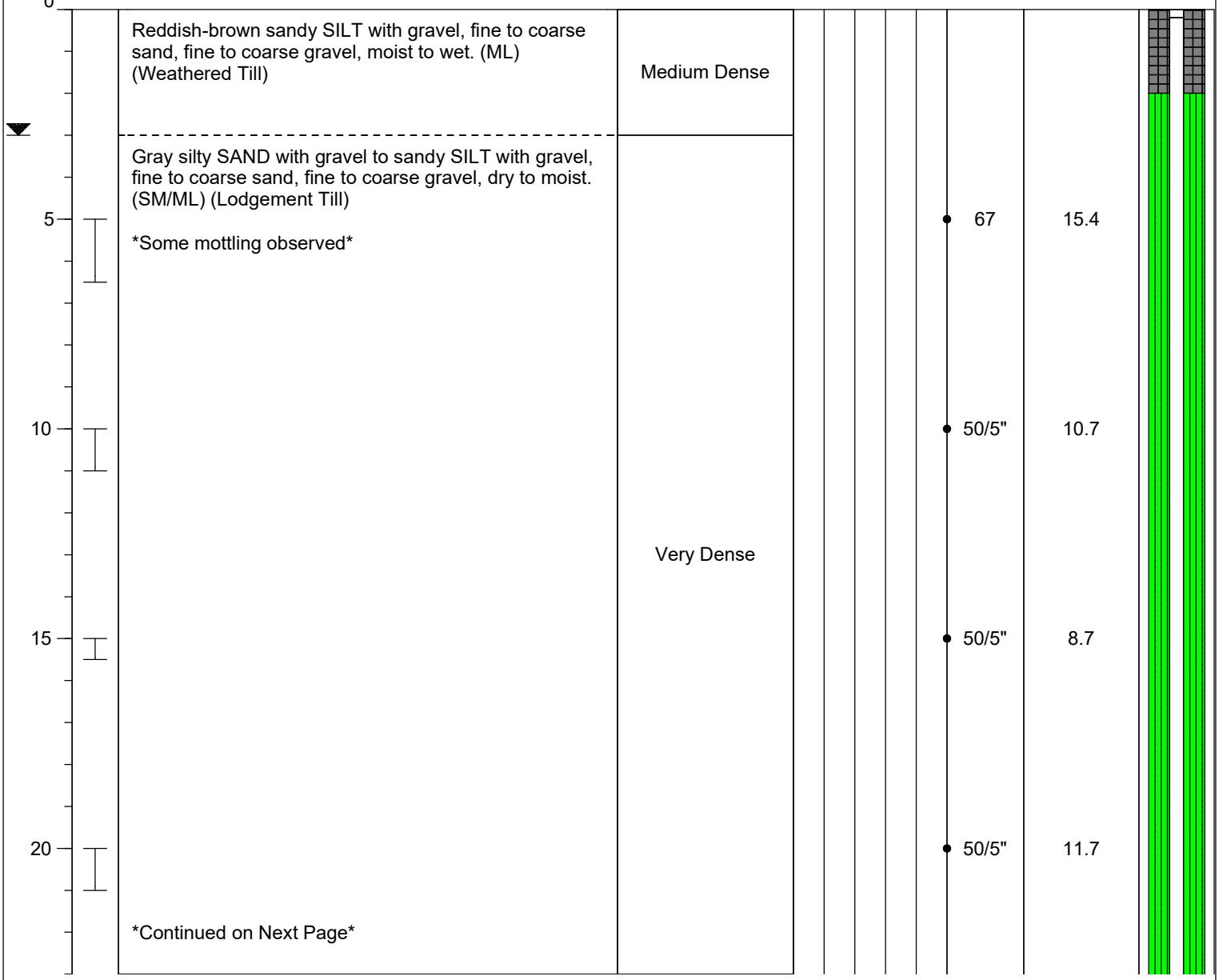
**Figure No.** A-11

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 11, 2025

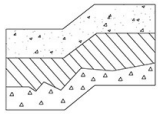
**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -3 ft, -52 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | Moisture Content (%) | Observ. Well |
|---|---|---|---|---|---|---|
| 0 | | Reddish-brown sandy SILT with gravel, fine to coarse sand, fine to coarse gravel, moist to wet. (ML) (Weathered Till) | Medium Dense | | | |
| 5 | | Gray silty SAND with gravel to sandy SILT with gravel, fine to coarse sand, fine to coarse gravel, dry to moist. (SM/ML) (Lodgement Till)<br>*Some mottling observed* | | 67 | 15.4 | |
| 10 | | | Very Dense | 50/5" | 10.7 | |
| 15 | | | | 50/5" | 8.7 | |
| 20 | | *Continued on Next Page* | | 50/5" | 11.7 | |



NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site



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# LOG OF BORING NO. B-201

**Figure No.** A-11

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 11, 2025

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -3 ft, -52 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | Moisture Content (%) | Observ. Well |
|---|---|---|---|---|---|---|
| 25 | | Gray silty SAND with gravel to sandy SILT with gravel, fine to coarse sand, fine to coarse gravel, dry to moist. (SM/ML) (Lodgement Till) | | 50/4" | 12.9 | |
| 30 | | | | 50/4" | 15.0 | |
| 35 | | | Very Dense | 50/5" | 10.5 | |
| 40 | | *Occasional sand seams observed in sample* | | 50/5" | 11.4 | |
| 45 | | *Continued on Next Page* | | 50/4" | 7.9 | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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# LOG OF BORING NO. B-201

**Figure No.** A-11

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 11, 2025

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -3 ft, -52 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 / 30 / 50) | Moisture Content (%) | Observ. Well |
|---|---|---|---|---|---|---|
| 50 | | Gray silty SAND with gravel, fine to medium sand, fine to coarse gravel, moist. (SM) (Lodgement Till) | Very Dense | 91 | 11.5<br>13.6 | |
| | | Gray SAND with silt, fine to medium sand, moist to saturated, occasional silty sand layer, occasional gravel. (SP-SM) (Olympia Sand) | | | | |
| 55 | | | Dense | 33 | 17.4 | |
| 60 | | | | 46 | 20.0 | |
| | | Gray sandy SILT, fine to medium sand, moist. (ML) | | | | |
| 65 | | Test Boring terminated at approximately 60 feet.<br><br>Moderate to heavy perched groundwater seepage observed at approximately 3 feet and 52 feet.<br><br>Test Boring converted to monitoring well with Well ID BQU 103. | | | | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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# LOG OF BORING NO. B-202

**Figure No.** A-12

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 7, 2025

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -4 ft, -65 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | Moisture Content (%) | Observ. Well |
|---|---|---|---|---|---|---|
| 0 | | Brown sandy SILT with gravel, fine to coarse sand, fine to coarse gravel, moist to wet. (ML) (Weathered Till) | Medium Dense | | | |
| 5 | | Gray silty SAND with gravel to sandy SILT with gravel, fine to coarse sand, fine to coarse gravel, dry to moist. (SM/ML) (Lodgement Till) | | 50/5" | 8.0 | |
| | | *Some mottling observed* | | | | |
| 10 | | *Occasional sand seam observed in sample* | | 50/5" | 6.8 | |
| 15 | | *Some mottling observed* | Very Dense | 50/6" | 7.4 | |
| 20 | | | | 50/4" | 11.7 | |
| | | *Boulder encountered during drilling* | | | | |
| 25 | | *Occasional sand layer observed in sample* | | 50/4" | 12.5 | |
| 30 | | Gray SILT, moist, massive, oxidized, occasional fine gravel, interbedded sandy silt layers. (ML) | Hard | 58 | 29.5 | |
| | | *Continued on Next Page* | | | | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

**Terra Associates, Inc.**
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# LOG OF BORING NO. B-202

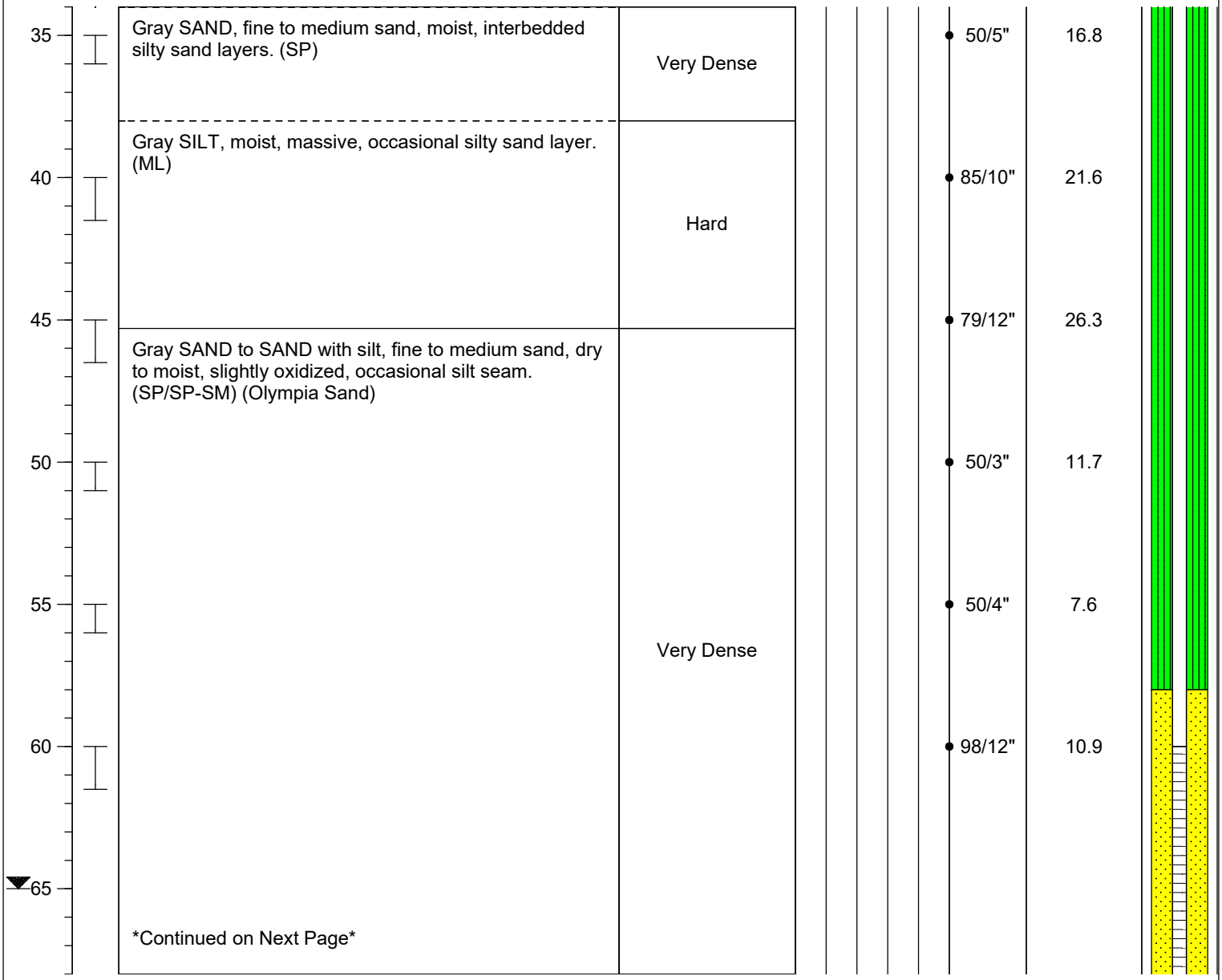
**Figure No.** A-12

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 7, 2025

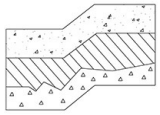
**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -4 ft, -65 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | Moisture Content (%) | Observ. Well |
|---|---|---|---|---|---|---|
| 35 | | Gray SAND, fine to medium sand, moist, interbedded silty sand layers. (SP) | Very Dense | 50/5" | 16.8 | |
| 40 | | Gray SILT, moist, massive, occasional silty sand layer. (ML) | Hard | 85/10" | 21.6 | |
| 45 | | Gray SAND to SAND with silt, fine to medium sand, dry to moist, slightly oxidized, occasional silt seam. (SP/SP-SM) (Olympia Sand) | Very Dense | 79/12" | 26.3 | |
| 50 | | | | 50/3" | 11.7 | |
| 55 | | | | 50/4" | 7.6 | |
| 60 | | | | 98/12" | 10.9 | |
| ▼65 | | *Continued on Next Page* | | | | |



NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site



**Terra Associates, Inc.**
Consultants in Geotechnical Engineering Geology and Environmental Earth Sciences

# LOG OF BORING NO. B-202

**Figure No.** A-12

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 7, 2025

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -4 ft, -65 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 / 30 / 50) | Moisture Content (%) | Observ. Well |
|---|---|---|---|---|---|---|
| 70 | | Gray SILT, moist, laminated, trace fine sand. (ML) | Hard | 50/5" | 30.3 | |
| 75 | | | | | | |
| 80 | | Gray silty SAND, fine to medium sand, moist to wet, interbedded sand silt layers, occasional silt seam. (SM) | Very Dense | 50/4" | 27.2 | |
| 85 | | | | 50/6" | 24.8 | |
| 90 | | Gray SILT, moist, massive, occasional sand seam. (ML) | Hard | 50/6" | 28.5 | |
| 95 | | Test Boring terminated at approximately 90 feet.<br><br>Moderate to heavy perched groundwater seepage observed at approximately 4 feet and 65 feet.<br><br>Test Boring converted to monitoring well with Well ID BQU 105. | | | | |
| 100 | | | | | | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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# LOG OF BORING NO. B-203

**Figure No.** A-13

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 7, 2025

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -4 ft, -59 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | Moisture Content (%) |
|---|---|---|---|---|---|
| 0 | | Brown silty SAND with gravel to sandy SILT with gravel, fine to coarse sand, fine to coarse gravel, moist. (SM/ML) (Weathered Till) | Medium Dense | | |
| 5 | | Gray sand SILT with gravel, fine to coarse sand, fine to coarse gravel, dry to moist, occasional cobble. (ML) (Lodgement Till)<br>*No retrievable sample, sampler bouncing on cobble* | Very Dense | 50/4" | |
| 10 | | | | 50/2" | 13.9 |
| 15 | | | | 50/83" | 6.8 |
| 20 | | *Occasional sand seam observed*<br>*Continued on Next Page* | | 50/1" | 9.7 |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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# LOG OF BORING NO. B-203

**Figure No.** A-13

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 7, 2025

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -4 ft, -59 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | Moisture Content (%) |
|---|---|---|---|---|---|
| 25 | | Gray SAND, fine to medium sand, dry to moist, occasional silt seam, occasional silt layer. (SP) (Olympia Sand) | | 70 | 6.9 |
| 30 | | | | 63 | 9.6 |
| 35 | | | Very Dense | 50/6" | 9.0 |
| 40 | | | | 91 | 5.1 |
| 45 | | | | 50/6" | 6.8 |
| | | *Continued on Next Page* | | | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

**Terra Associates, Inc.**
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# LOG OF BORING NO. B-203

**Figure No.** A-13

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 7, 2025

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -4 ft, -59 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | Moisture Content (%) |
|---|---|---|---|---|---|
| 50 | | Gray SAND, fine to medium sand, dry, occasional silty sand layer. (SP) (Olympia Sand) | Very Dense | 50/3" | 13.8 |
| 55 | | | | 50/5" | 5.6 |
| 60 | | Gray SILT, moist to wet, massive. (ML) | Hard | 50/5" | 28.9 |
| 65 | | Test Boring terminated at approximately 60 feet.<br><br>Light perched groundwater seepage observed at approximately 4 feet and 59 feet. | | | |
| 70 | | | | | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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# LOG OF BORING NO. B-204

**Figure No.** A-14

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 10, 2025

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -70 ft, -75 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 / 30 / 50) | Moisture Content (%) | Observ. Well |
|---|---|---|---|---|---|---|
| 0 | | Brown sandy SILT with gravel, fine to medium sand, fine to coarse gravel, moist. (ML) (Weathered Till) | Medium Dense | | | |
| 5 | | Gray silty SAND with gravel to sandy SILT with gravel, fine to medium sand, fine to coarse gravel, dry to moist. (SM/ML) (Lodgement Till) | Very Dense | 50/4" | 9.1 | |
| 10 | | | | 50/6" | 7.6 | |
| 15 | | | | 50/3" | 7.1 | |
| 20 | | | | 50/4" | 7.6 | |
| 25 | | *Continued on Next Page* | | 95/9" | 7.0 | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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Consultants in Geotechnical Engineering Geology and Environmental Earth Sciences

# LOG OF BORING NO. B-204

**Figure No.** A-14

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 10, 2025

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -70 ft, -75 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 / 30 / 50) | Moisture Content (%) | Observ. Well |
|---|---|---|---|---|---|---|
| 30 | | Gray silty SAND with gravel, fine to medium sand, fine to coarse gravel, dry to moist, occasional sand seam. (SM) (Lodgement Till)<br><br>*Trace gravel observed in sample* | Very Dense | 50/5" | 9.5 | |
| 35 | | Gray SAND, fine to medium sand, dry to moist, occasional silty sand layer, occasional silt layer. (SP) (Olympia Sand) | | 52 | 7.6 | |
| 40 | | | Dense | 38 | 6.5 | |
| 45 | | | Medium Dense | 26 | 9.4 | |
| 50 | | | Very Dense | 75 | 5.6 | |
| 55 | | *Continued on Next Page* | | 83/11" | 4.8 | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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# LOG OF BORING NO. B-204

**Figure No.** A-14

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 10, 2025

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -70 ft, -75 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | Moisture Content (%) | Observ. Well |
|---|---|---|---|---|---|---|
| 60 | | Gray SAND, fine to medium sand, dry to moist, slightly oxidized, trace silty sand seams. (SP) (Olympia Sand) | Very Dense | 77 | 6.2 | |
| 65 | | Gray SILT to SILT with sand, fine sand, moist, laminated. (ML) (Pre-Olympia Fine-grained)<br>*Trace sand seams observed in sample* | Hard | 50/5" | 26.9 | |
| 70 | | *Interbedded wet, oxidzied silty sand layers observed in sample* | | 65 | 31.1 | |
| 75 | | *Approximately 6 inches of wet sand at top of sample* | | 88/10" | 28.3 | |
| 80 | | Test Boring terminated at approximately 75 feet.<br>Moderate to heavy perched groundwater seepage observed at approximately 70 feet and 75 feet.<br>Test Boring converted to monitoring well with Well ID BQU 104. | | | | |
| 85 | | | | | | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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# LOG OF BORING NO. B-205

**Figure No.** A-15

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 9, 2025

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -5 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | Moisture Content (%) |
|---|---|---|---|---|---|
| 0 | | Brownish-gray sandy SILT with gravel, fine to coarse sand, fine to coarse gravel, moist to wet. (ML) (Weathered Till) | Medium Dense | | |
| 5 | | | | 59 | 14.3 |
| | | Gray silty sand with gravel to sandy SILT with gravel, fine to medium sand, fine to coarse gravel, dry to moist, trace cobbles, occasional boulder. (SM/ML) (Lodgement Till)<br>*Some mottling observed* | | | |
| 10 | | | Very Dense | 50/5" | 7.7 |
| 15 | | | | 50/4" | 7.9 |
| | | *Continued on Next Page* | | | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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# LOG OF BORING NO. B-205

**Figure No.** A-15

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 9, 2025

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** -5 ft **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 / 30 / 50) | Moisture Content (%) |
|---|---|---|---|---|---|
| 20 | | Gray silty SAND with gravel to sandy SILT with gravel, fine to medium sand, fine to coarse gravel, dry to moist, trace cobbles. (SM/ML) (Lodgement Till) | Very Dense | 50/4" | 8.8 |
| 25 | | | | 50/1" | 8.3 |
| 30 | | | | 50/3" | 4.7 |
| 35 | | Test Boring terminated at approximately 30 feet due to refusal.<br><br>Light to moderate perched groundwater seepage observed at approximately 5 feet. | | | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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# LOG OF BORING NO. B-206

**Figure No.** A-16

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 9, 2025

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** NA **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | Moisture Content (%) |
|---|---|---|---|---|---|
| 0 | | Brown sandy SILT with gravel, fine to coarse sand, fine to coarse gravel, moist. (ML) (Weathered Till) | Medium Dense | | |
| 5 | | Gray to bluish-gray silty SAND with gravel to sandy SILT with gravel, fine to medium sand, fine to coarse gravel, dry to moist, trace cobbles, occasional boulder. (SM/ML) (Lodgement Till) | | 64 | 12.5 |
| 10 | | | | 50/1" | 9.5 |
| 15 | | | Very Dense | 50/4" | 9.8 |
| 20 | | | | 50/5" | 9.0 |
| 25 | | | | 50/6" | 8.2 |
| | | *Continued on Next Page* | | | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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# LOG OF BORING NO. B-206

**Figure No.** A-16

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 9, 2025

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** NA **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 30 50) | Moisture Content (%) |
|---|---|---|---|---|---|
| 30 | | Gray to bluish-gray silty SAND with gravel to sandy SILT with gravel, fine to medium sand, fine to coarse gravel, dry to moist, trace cobbles, occasional boulder. (SM/ML) (Lodgement Till) | | 50/3" | 7.3 |
| 35 | | | | 50/3" | 14.5 |
| 40 | | | Very Dense | 50/1" | 10.1 |
| 45 | | | | 50/3" | 12.5 |
| 50 | | | | 50/3" | 6.8 |
| | | *Continued on Next Page* | | | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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# LOG OF BORING NO. B-206

**Figure No.** A-16

**Project:** Arlington 360 **Project No:** T-9011 **Date Drilled:** April 9, 2025

**Client:** Land Pro Group **Driller:** BoreTec1 **Logged By:** MJX

**Location:** Arlington, Washington **Depth to Groundwater:** NA **Approx. Elev:** NA

| Depth (ft) | Sample Interval | Soil Description | Consistency/ Relative Density | SPT (N) Blows / foot (10 / 30 / 50) | Moisture Content (%) |
|---|---|---|---|---|---|
| 55 | | Gray silty SAND with gravel to sandy SILT with gravel, fine to medium sand, fine to coarse gravel, dry to moist, trace cobbles. (SM/ML) (Lodgement Till) | | 50/5" | 11.3 |
| 60 | | *No retrievable sample, sampler bouncing on cobble* | | 50/5" | |
| 65 | | | Very Dense | 50/4" | 12.5 |
| 70 | | Gray SAND, fine to medium sand, moist, trace silty sand seams. (SP) | | 50/4" | 7.7 |
| | | Gray silty SAND with gravel, fine to coarse sand, fine to coarse gravel, dry to moist. (SM) (Lodgement Till) | | | |
| 75 | | | | 50/1" | 10.8 |
| | | Test Boring terminated at approximately 75 feet.<br><br>No groundwater seepage observed. | | | |
| 80 | | | | | |

NOTE: This borehole log has been prepared for geotechnical purposes. This information pertains only to this boring location and should not be interpeted as being indicative of other areas of the site

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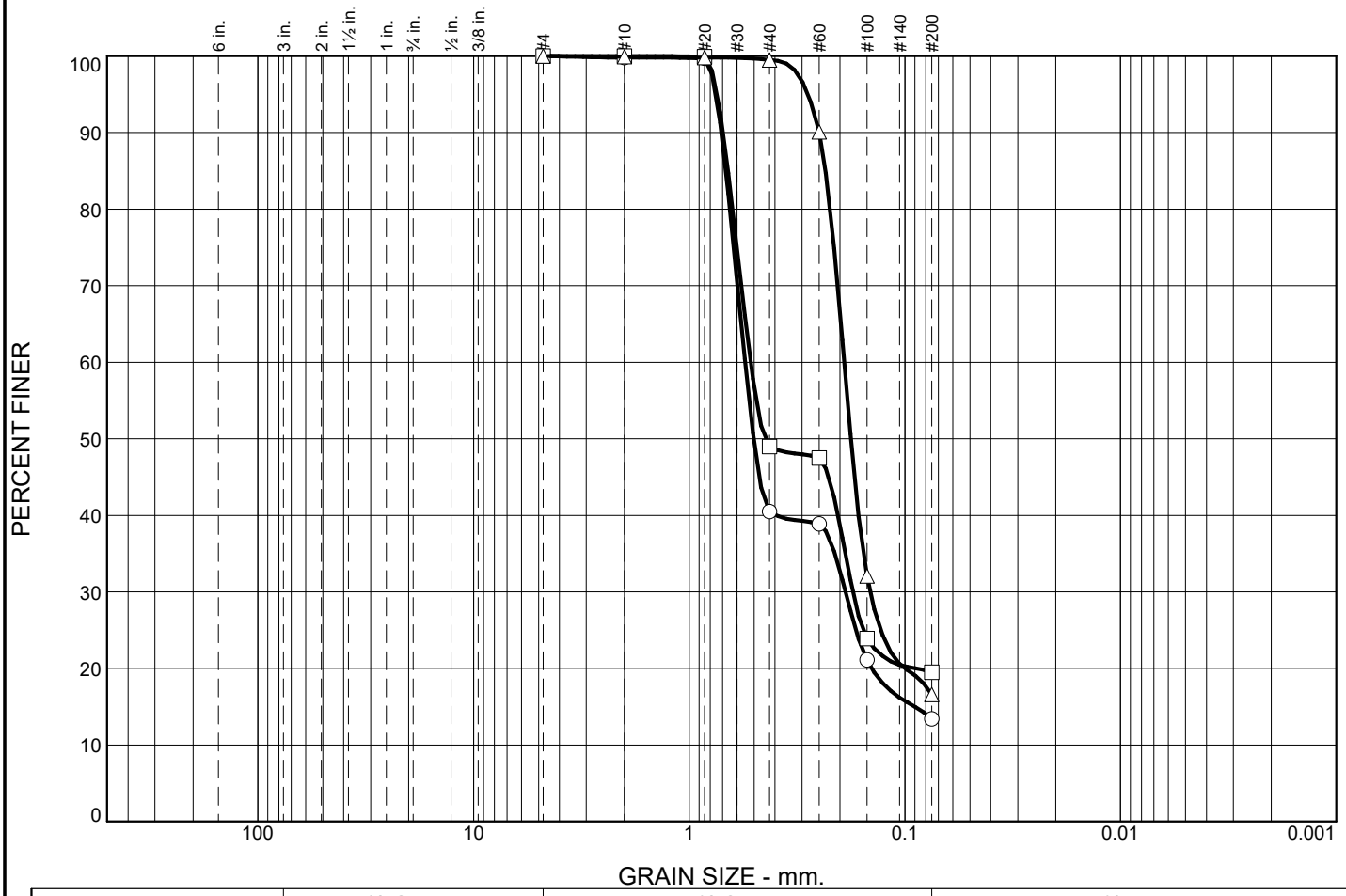
# Particle Size Distribution Report

ASTM D422




| | % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|---|
| | | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| ○ | 0.0 | 0.0 | 0.0 | 0.2 | 59.3 | 27.1 | 13.4 | |
| □ | 0.0 | 0.0 | 0.0 | 0.0 | 51.0 | 29.5 | 19.5 | |
| △ | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | 82.9 | 16.6 | |

| | LL | PL | $D_{85}$ | $D_{60}$ | $D_{50}$ | $D_{30}$ | $D_{15}$ | $D_{10}$ | $C_C$ | $C_u$ |
|---|---|---|---|---|---|---|---|---|---|---|
| ○ | | | 0.6762 | 0.5509 | 0.5025 | 0.1885 | 0.0899 | | | |
| □ | | | 0.6607 | 0.5192 | 0.4460 | 0.1741 | | | | |
| △ | | | 0.2333 | 0.1912 | 0.1779 | 0.1448 | | | | |

| | Material Description | Test Date | USCS | NM |
|---|---|---|---|---|
| ○ | silty SAND | | SM | |
| □ | silty SAND | | SM | |
| △ | silty SAND | | SM | |

**Project No.** T-9011 **Client:** Arlington 360, LLC

**Project:** Arlington 360

Arlington, Washington

○ **Location:** Test Boring B-103 **Depth:** -30 ft **Sample Number:** 7

□ **Location:** Test Boring B-103 **Depth:** -35 ft **Sample Number:** 8

△ **Location:** Test Boring B-105 **Depth:** -20 ft **Sample Number:** 4

**Terra Associates, Inc.**

**Kirkland, WA**

**Remarks:**

○ Tested on May 1, 2024

□ Tested on May 1, 2024

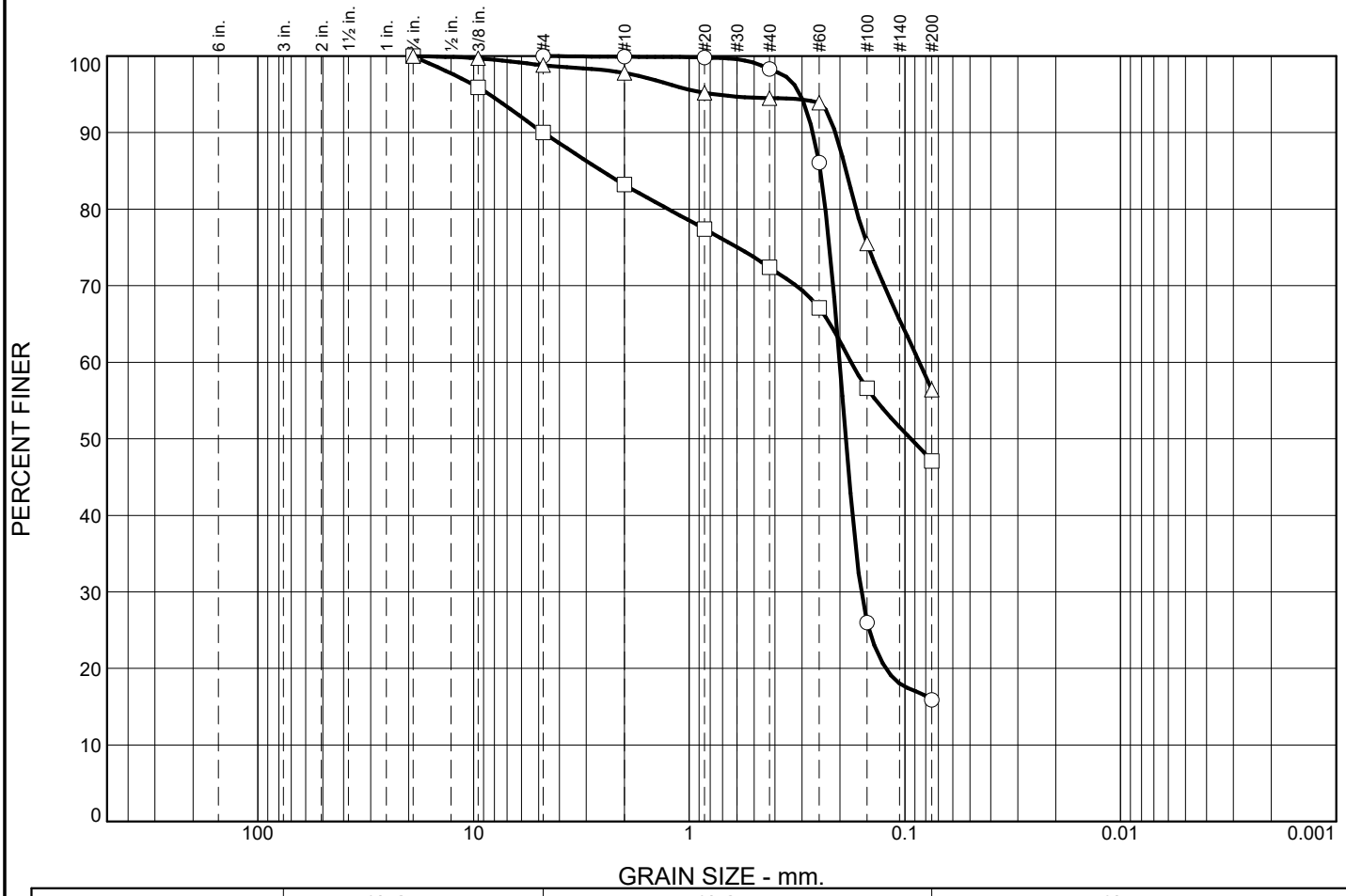
△ Tested on May 1, 2024

**Figure** A-17

**Tested By:** KJ

# Particle Size Distribution Report

ASTM D422




| | % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|---|
| | | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| ○ | 0.0 | 0.0 | 0.0 | 0.1 | 1.6 | 82.4 | 15.9 | |
| □ | 0.0 | 0.0 | 10.0 | 6.8 | 10.8 | 25.3 | 47.1 | |
| △ | 0.0 | 0.0 | 1.2 | 1.0 | 3.3 | 38.1 | 56.4 | |

| | LL | PL | $D_{85}$ | $D_{60}$ | $D_{50}$ | $D_{30}$ | $D_{15}$ | $D_{10}$ | $C_C$ | $C_u$ |
|---|---|---|---|---|---|---|---|---|---|---|
| ○ | | | 0.2463 | 0.2010 | 0.1879 | 0.1595 | | | | |
| □ | | | 2.5412 | 0.1775 | 0.0938 | | | | | |
| △ | | | 0.1874 | 0.0857 | | | | | | |

| | Material Description | Test Date | USCS | NM |
|---|---|---|---|---|
| ○ | silty SAND | | SM | |
| □ | sandy SILT | | ML | |
| △ | sandy SILT | | ML | |

**Project No.** T-9011 **Client:** Arlington 360, LLC

**Project:** Arlington 360

Arlington, Washington

○ **Location:** Test Boring B-107 **Depth:** -20 ft **Sample Number:** 5

□ **Location:** Test Boring B-109 **Depth:** -5 ft **Sample Number:** 1

△ **Location:** Test Boring B-109 **Depth:** -40 ft **Sample Number:** 9

**Terra Associates, Inc.**

**Kirkland, WA**

**Remarks:**

○ Tested on May 1, 2024

□ Tested on May 1, 2024

△ Tested on May 1, 2024

**Figure** A-18

**Tested By:** KJ

**APPENDIX B**

**TEST PIT AND TEST BORING LOGS BY OTHERS**

associated earth sciences incorporated

# Exploration Pit EP-1

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/22/2023 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 16 | Approved By: JHS |

Elev.: 443 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Forest Duff - 6 inch** | |
| | **Vashon Lodgement Till** | |
| | Loose to medium dense, orangish brown, silty, fine SAND, some gravel; occasional cobbles (SM). | |
| | Medium dense, mottled orangish brown and tan, silty, fine SAND, some gravel; occasional cobbles; unsorted (SM). | |
| 5 | Dense, moist, brown, silty, fine SAND, some gravel; unsorted; breaks out in chunks (SM). | |
| | Becomes very dense. | |
| | Becomes wet, zones of minor seepage 8.5 to 11 feet. | |
| 10 | Very dense, moist, gray, silty, fine SAND, some gravel; unsorted (SM). | |
| 15 | Mild reaction with hydrochloric acid. | |
| | Minor perched seepage at 8.5 feet. No caving. | |
| 20 | | |
| 25 | | |
| 30 | | |
| 35 | | |
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# Exploration Pit EP-2

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/22/2023 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 15 | Approved By: JHS |

Elev.: 430 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Forest Duff - 6 inches** | |
| | **Vashon Lodgement Till** | |
| | Loose to medium dense, moist, orangish brown to reddish brown, silty, fine SAND, some gravel; small roots (SM). | |
| | Medium dense to dense, moist, brown, silty, fine SAND, some gravel; unsorted; occasional cobbles (SM). | |
| 5 | Becomes dense. | |
| | Becomes wet, zones of minor groundwater seepage at 8 to 9 feet. | |
| 10 | Very dense, moist, gray, silty, fine SAND, some gravel; unsorted (SM). | |
| 15 | Minor perched seepage 8 to 9 feet. No caving. | |
| 20 | | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-3

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/22/2023 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 12 | Approved By: JHS |

Depth (ft) | Description | USCS

Elev.: 444 ft NAVD88

0

**Forest Duff - 6 inches**

**Vashon Lodgement Till**

Loose, moist, reddish brown, silty, fine SAND, some gravel; small roots (SM).

Medium dense, moist, mottled tan and orangish brown, silty, fine SAND, some gravel; unsorted (SM).

Becomes dense and brown; breaks off in chunks.

5

Becomes very dense, brownish gray.

Very dense, moist, gray, silty, fine SAND, trace gravel; unsorted (SM).

10

Difficult digging.

No seepage. No caving.

15

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# Exploration Pit EP-4

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/22/2023 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 12 | Approved By: JHS |

Elev.: 425 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Forest Duff - 6 inches** | |
| | **Vashon Lodgement Till** | |
| | Loose to medium dense, moist, orangish brown, silty, fine SAND, trace gravel; occasional cobbles (SM). | |
| | Dense, moist, brown, silty, fine SAND, some gravel; unsorted; breaks off in chunks (SM). | |
| 5 | Becomes very dense. | |
| | Becomes brownish gray. | |
| 10 | Very dense, moist, gray, silty, fine SAND, some gravel; unsorted (SM). | |
| | No seepage. No caving. | |
| 15 | | |
| 20 | | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-5

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/22/2023 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 14 | Approved By: JHS |

Elev.: 400 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Forest Duff - 6 inches** | |
| | **Vashon Lodgement Till** | |
| | Medium dense, moist, orangish brown, silty, fine SAND, trace gravel; unsorted (SM). | |
| | dense, moist, mottled tan and orangish brown, silty, fine SAND, some gravel; unsorted; breaks off in chunks (SM). | |
| 5 | Becomes brown. | |
| | Wet at 7 feet. | |
| | Becomes very dense. | |
| | Gravelly in places. | |
| 10 | Becomes brownish gray. | |
| 15 | Minor perched seepage 7 feet. No caving. | |
| 20 | | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-6

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/22/2023 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 12 | Approved By: JHS |

Depth (ft) | Description | USCS

Elev.: 433 ft NAVD88

0

**Forest Duff - 6 inches**

**Vashon Lodgment Till**

Loose to medium dense, very moist, dark orangish brown, silty, fine SAND, trace gravel; small roots (SM).

Medium dense, moist, tan and orangish brown, silty, fine SAND, some gravel; unsorted (SM).

5

Becomes dense and brown.

Wet at 6 feet.

Becomes very dense.

Very dense, moist, gray, silty, fine SAND, some gravel; unsorted (SM).

10

Minor perched seepage 6 feet. No caving.

15

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# Exploration Pit EP-7

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/22/2023 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 16 | Approved By: JHS |

Elev.: 423 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Forest Duff - 6 inches** | |
| | **Vashon Recessional Outwash**<br>Loose, very moist, dark brown, silty, fine SAND, trace gravel (SM).<br>Becomes medium dense, wet, brown, fine to medium SAND, some silt, some gravel (SP-SM). | |
| 5 | **Vashon Lodgement Till**<br>Dense, moist, brown, silty, fine SAND, some gravel; unsorted (SM).<br>Wet between 4 and 6 feet.<br>Becomes very dense. | |
| 10 | Becomes brownish gray. | |
| 15 | Very dense, moist, gray, silty, fine SAND, some gravel; unsorted (SM). | |
| | Moderate perched seepage 4 to 6 feet; water pooling in base of excavation. No caving. | |
| 20 | | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-8

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/22/2023 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 22 | Approved By: JHS |

Elev.: 410 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Forest Duff - 6 inches** | |
| | **Vashon Recessional Outwash**<br>Medium dense, moist, orangish brown and brown, fine SAND, some silt, some gravel; small roots; black decomposed roots (SP-SM). | |
| 5 | **Vashon Lodgement Till**<br>Dense to very dense, moist, brownish gray, silty, fine SAND, some gravel; unsorted; occasional cobbles and boulders; breaks off in chunks (SM).<br>Becomes very dense. | |
| 15 | **Vashon Advance Outwash - Olympia Sand**<br>Very dense, moist to very moist, brownish gray, fine SAND, some silt, some gravel; no longer breaking into chunks (SP-SM). | |
| 20 | Becomes fine sand, trace silt; beds of fine sand, some silt; stratified (SP-SM). | |
| | No seepage. No caving. | |
| 25 | | |
| 30 | | |
| 35 | | |
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# Exploration Pit EP-9

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/22/2023 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 16 | Approved By: JHS |

Depth (ft) | Description | USCS

Elev.: 398 ft NAVD88

0

**Grass/Topsoil - 4 inches**

**Vashon Lodgement Till**

Loose, moist, dark orangish and reddish brown, silty, fine SAND, trace gravel (SM).

Medium dense, moist, mottled orangish brown and tan, silty, fine SAND, some gravel; unsorted (SM).

Dense, moist, brown, silty, fine SAND, some gravel; unsorted (SM).

5

Wet at 5 feet.

Becomes very dense, brownish gray.

Very dense, moist, gray, silty, fine sand, some gravel; unsorted (SM).

10

Mild reaction to hydrochloric acid.

15

Moderate perched seepage 5 feet. No caving.

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# Exploration Pit EP-10

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/22/2023 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 15 | Approved By: JHS |

Elev.: 404 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Grass/Topsoil - 4 inches** | |
| | **Vashon Lodgement Till** | |
| | Medium dense, moist, orangish and reddish brown, silty, fine SAND, some gravel (SM). | |
| | Bed (4 inches thick) of mottled orangish brown and tan, silty, fine SAND. | |
| | Dense, moist, brown, silty, fine SAND, some gravel; unsorted; breaks out in chunks (SM). | |
| 5 | Becomes grayish brown; occasional cobbles and boulders. | |
| | Becomes brownish gray. | |
| 10 | Very dense, moist, brownish gray, fine SAND, some silt, some gravel; interbed of sand within till (SP-SM). | |
| | Very dense, moist, brownish gray, silty, fine SAND, some gravel; unsorted (SM). | |
| 15 | No groundwater. No caving. | |
| 20 | | |
| 25 | | |
| 30 | | |
| 35 | | |
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# Exploration Pit EP-11

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/22/2023 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 19 | Approved By: JHS |

Depth (ft) | Description | USCS

Elev.: 378 ft NAVD88

0 **Forest Duff - 6 inches**

**Vashon Lodgement Till**

Medium dense, moist, orangish brown, silty, fine SAND, some gravel; small roots; unsorted (SM).

Becomes dense, brown; breaks off in chunks; occasional cobbles.

5 Occasional manganese staining.

Becomes brownish gray.

Very dense, moist, gray, silty, fine SAND, some gravel; unsorted; mild reaction to hydrochloric acid (SM).

10 **Vashon Advance Outwash - Olympia Sand**

Very dense, moist, grayish brown, fine SAND, some silt, trace gravel; beds of silty, fine sand; stratified (SP-SM).

15 Occasional mica.

Becomes fine SAND, trace silt, trace gravel (SP)

20 No groundwater. No caving.

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# Exploration Pit EP-12

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/22/2023 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 18 | Approved By: JHS |

Elev.: 364 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Forest Duff - 6 inches** | |
| | **Vashon Lodgement Till**<br>Medium dense, moist, orangish brown, silty, fine SAND, some gravel; unsorted; small roots (SM).<br>Becomes dense, brown; no roots; breaks off in chunks. | |
| 5 | Becomes dense. | |
| 10 | **Vashon Advance Outwash - Olympia Sand**<br>Very dense, moist to very moist bands of oxidation, grayish brown, fine SAND, some silt; beds of brown and orangish brown silty, fine SAND; stratified (SP-SM).<br>Wet at 12 feet. | |
| 15 | Very dense, moist, grayish brown, fine SAND, some silt; laminations of brown silt; mica (SP-SM). | |
| | Very dense, moist, grayish brown, fine SAND, trace silt; occasional beds of brownish gray and brown, sandy, silt; interbedded (SP-SM). | |
| 20 | Perched groundwater 12 feet. No caving. | |
| 25 | | |
| 30 | | |
| 35 | | |
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| Exploration Pit | | EP-13 |
|---|---|---|
| **Arlington 360** | | Sheet: 1 of 1 |
| Arlington, WA | Date: 5/22/2023 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 19 | Approved By: JHS |

Elev.: 340 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Forest Duff - 6 inches** | |
| | **Vashon Advance Outwash - Olympia Sand**<br>Medium dense to dense, moist, orangish brown and tan, silty, fine SAND, some gravel (SM). | |
| | Dense, moist, brown to grayish brown to brown, silty, fine SAND, some gravel; interbedded fine SAND, some silt with silty, fine SAND from 6 to 19 feet; contains mica (SM/SP-SM). | |
| 5 | Becomes very dense, grayish brown. | |
| 10 | | |
| 15 | Brown bands of oxidation and less frequent bedding. | |
| 20 | No seepage. No caving. | |
| 25 | | |
| 30 | | |
| 35 | | |
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# Exploration Pit EP-14

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/22/2023 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 19 | Approved By: JHS |

Depth (ft) | Description | USCS

Elev.: 328 ft NAVD88

0

**Forest Duff - 6 inches**

**Vashon Advance Outwash - Olympia Sand**

Medium dense, moist, orangish brown, silty, fine SAND, some gravel (SM).

Dense, moist to very moist, grayish brown, fine SAND, some silt; beds and laminations of brown and orangish brown, silty, fine sand, trace gravel; stratified; contains mica (SP-SM).

5

Wet at 6 feet.

Becomes very dense, moist.

10

Banded oxidation.

15

Becomes trace silt.

Bed (6 inches thick) of sandy, silt; mica.

20

Minor perched seepage 6 feet. No caving.

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# Exploration Pit EP-15

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/22/2023 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 19 | Approved By: JHS |

Depth (ft) | Description | USCS

Elev.: 345 ft NAVD88

0

**Forest Duff - 6 inches**

**Vashon Lodgement Till**

Medium dense, moist, orangish brown, silty, fine SAND, some gravel (SM).
Becomes mottled, orangish brown and tan; unsorted.

5

Becomes more dense and brown.

Becomes very dense. Zones of perched groundwater 6 to 7 feet.

**Vashon Advance Outwash - Olympia Sand**

Very dense, moist, grayish brown, fine SAND, some silt, trace gravel; stratified; occasional mica; beds of fine to medium sand, trace silt and silty, fine sand (SP-SM).

10

Becomes trace silt (SP).

Occasional dark gray laminations.

15

Banded oxidation.

20

Perched groundwater 6 to 7 feet. No caving.

25

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# Exploration Pit EP-16

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 18 | Approved By: JHS |

Depth (ft) | Description | USCS

Elev.: 360 ft NAVD88

0

**Forest Duff - 6 inches**

**Vashon Advance Outwash - Olympia Sand**

Medium dense, moist, orangish brown, silty, fine SAND, some gravel (SM).
Dense, moist, brown, fine SAND, some silt; trace gravel (SP-SM).

Becomes grayish brown.

5

Very dense, moist, brownish gray, fine SAND, some silt, trace gravel; contains mica; stratified (SP-SM).
Two beds (2 to 3 inches thick) of unsorted, till-like, silty, fine sand, some gravel from 8 to 10 feet.
Wet at 8 to 10 feet.

10

Beds of fine sand, trace silt.

15

Becomes fine sand, trace silt; beds of fine sand, some silt; stratified (SP).

Minor perched groundwater seepage 8 to 10 feet. No caving.

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# Exploration Pit EP-17

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 20 | Approved By: JHS |

Elev.: 370 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Forest Duff - 6 inches** | |
| | **Vashon Advance Outwash - Olympia Sand** | |
| | Medium dense, moist, orangish and reddish brown, silty, fine SAND, some gravel (SM). | |
| | Dense, moist, brown, fine SAND, some silt, trace gravel (SP-SM). | |
| 5 | Bed of till-like, silty, fine sand, some gravel; unsorted. | |
| | Becomes grayish brown. | |
| | Dense, moist, fine SAND, trace silt, trace gravel; contains mica (SP). | |
| 10 | Beds and laminations of brown, silty, fine SAND, very moist; above silty beds (SP-SM). | |
| | Becomes very dense. | |
| | Moist, brown, fine sand, trace silt, trace gravel; laminations of dark brown, fine sand, some silt; micaceous (SP-SM). | |
| 15 | Bed of brownish gray, sandy, SILT; brown and dark brown laminations (4 to 12 inches thick). | |
| 20 | Bed (6 inches thick) of brownish gray and orangish brown, silt. | |

No groundwater. No caving.

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# Exploration Pit EP-18

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 20 | Approved By: JHS |

Elev.: 315 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Forest Duff - 6 inches** | |
| | **Vashon Advance Outwash - Olympia Sand** | |
| | Medium dense, orangish brown, silty, fine SAND, some gravel; unsorted (SM). | |
| | Becomes fine to medium SAND (SM). | |
| 5 | Becomes dense and brown. | |
| | Becomes very dense and grayish brown. | |
| 10 | Very dense, moist to very moist, brownish gray with banded oxidation, fine SAND, some silt, trace gravel; stratified (SP-SM). | |
| | Becomes moist, trace silt; mica. | |
| 15 | Orangish brown and dark brown oxidation. | |
| | Occasional beds of silty, fine SAND, very moist to wet sand. | |
| | Dark brown; weathered laminations; mica. | |
| 20 | No groundwater. No caving. | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-19

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 19 | Approved By: JHS |

Depth (ft) | Description | USCS

Elev.: 185 ft NAVD88

0 **Organic Topsoil - 6 inches**

**Landslide Deposits**

Loose, moist, orangish brown, silty, fine SAND, trace gravel (SM).

Medium stiff, very moist, mottled orangish brown and tan, sandy, SILT; brecciated texture (ML).

5

Zones of fine sand, some silt; heavily oxidized in places; blocks of grayish brown included in the sand; disturbed texture.

10

Wet at 12 feet.
Medium stiff to stiff, very moist, grayish brown, sandy, SILT; faint laminations; fractured (ML).

Stiff, moist, gray with light gray laminations; scattered fine organics; fractured; disturbed texture (ML).

15

Interbeds of sandy, silt.

Beds of very moist, sandy, silt.

Minor perched seepage 12 feet. Moderate to severe caving 4 to 12 feet.

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# Exploration Pit EP-20

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 17 | Approved By: JHS |

Elev.: 158 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Organic Topsoil - 8 inches** | |
| | **Landslide Deposits** | |
| | Loose, very moist, dark grayish brown, silty, fine SAND (SM). | |
| | Becomes orangish brown and grayish brown, mottled. | |
| 5 | Moderate caving. | |
| | Beds of fine sand, some silt; disturbed texture. | |
| | Becomes medium stiff, sandy, SILT; scattered fine organics; disturbed texture (ML). | |
| 10 | Wet at 10 feet. | |
| | **Olympia Fine-Grained Deposits** | |
| | Stiff, moist, brownish gray with dark brown staining, SILT; laminated (ML). | |
| 15 | Becomes very stiff to hard, gray. | |
| | Moderate perched seepage 10 feet. Moderate caving 0 to 12 feet. | |
| 20 | | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-21

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 16 | Approved By: JHS |

Elev.: 172 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Organic Topsoil - 6 inches** | |
| | **Landslide Deposits** | |
| | Loose, moist, light brown and slightly oxidized, silty, fine SAND, trace gravel; small roots; scattered organics (SM). | |
| | Loose, moist to very moist, mottled dark brown and orangish brown, silty, fine SAND; scattered fine organics (small roots); disturbed texture (SM). | |
| 5 | Soft, wet, grayish brown and dark orangish brown, sandy, SILT; bed of brittle black organics; small roots (ML). | |
| | Medium dense, wet, brownish gray with reddish brown oxidation, silty, fine SAND (SM). | |
| | Becomes very moist; contains mica. | |
| 10 | **Olympia Fine-Grained Deposits** | |
| | Dense, wet, gray, fine SAND, some silt; contains mica (SP-SM). | |
| | Very stiff, moist, gray with light gray laminations, SILT; stratified (ML). | |
| 15 | Occasional beds of silty, fine sand. | |
| | Minor perched seepage 11 to 12 feet. Moderate caving 0 to 8 feet. | |
| 20 | | |
| 25 | | |
| 30 | | |
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# Exploration Pit EP-22

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 19 | Approved By: JHS |

Elev.: 195 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Forest Duff** | |
| | **Landslide Deposits**<br>Loose to medium dense, moist, brown to dark brown, silty, fine SAND, trace gravel; small roots (SM). | |
| | Becomes dense, grayish brown and orangish brown; stratified; disturbed texture. | |
| 5 | | |
| | Becomes brownish gray with mottled oxidation, fine SAND, some silt; beds of brown and orangish brown silty, fine SAND; mica (SP-SM).<br>Wet at 7 feet.<br>Becomes very moist; scattered fine organics. | |
| 10 | | |
| | Becomes brown and orangish brown, silty, fine SAND and gray, sandy SILT; abundant dark brown and black organics; entrained wood; organic debris (SM/ML). | |
| 15 | | |
| | Medium dense, very moist, brown with orangish brown, fine SAND, some silt, trace gravel; faintly stratified; mica; disturbed texture (SP-SM).<br>Becomes wet, silty, fine SAND ranging to sandy, SILT (SM/ML). | |
| 20 | Minor perched seepage 7 feet. No caving. | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-23

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 19 | Approved By: JHS |

Elev.: 250 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Forest Duff - 6 inches** | |
| | **Landslide Deposits**<br>Loose, moist, light brown, silty, fine SAND, trace gravel; small roots (SM). | |
| | Medium dense, moist, reddish brown and dark brown, silty, fine SAND, trace gravel; small roots (SM). | |
| 5 | Becomes dense, moist, grayish brown and orangish brown, fine SAND, some silt, trace gravel; small roots; disturbed texture (SP-SM). | |
| | Brecciated texture within silt. | |
| 10 | Becomes silty, fine SAND; beds of sand, some silt; disturbed texture (SM) . | |
| 15 | **Olympia Fine-Grained Deposits**<br>Stiff, very moist to moist, brownish gray with banded oxidation, sandy, SILT; scattered fine organics; brown infilled fractures (ML). | |
| 20 | Becomes very stiff to hard, moist. | |
| | No seepage. No caving. | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-24

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 17 | Approved By: JHS |

Elev.: 155 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Organic Topsoil - 8 inches** | |
| | **Holocene Alluvium** | |
| | Loose, moist, dark brown and gray, silty, fine SAND, trace gravel (SM). | |
| | Becomes brown, fine SAND, some silt; beds of gravelly sand (SP-SM). | |
| 5 | Becomes soft, very moist to wet, dark gray and dark brown, sandy, SILT; interbedded with gravelly, sand; woody organics (ML). | |
| | Becomes medium dense, very moist, gray and orangish brown, silty, fine SAND, trace gravel (SM). | |
| 10 | Becomes soft, dark brown and dark gray, sandy, SILT; beds of dark brown, organics (ML). | |
| | Wet at 13 feet. | |
| 15 | Medium dense, wet, dark gray, gravelly, fine to coarse SAND, some silt; occasional cobbles (SP-SM). | |
| | Moderate perched seepage 13 feet. Groundwater encountered at 16 feet. Moderate to severe caving 0 to 17 feet. | |
| 20 | | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-25

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 14 | Approved By: JHS |

Elev.: 158 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Grass/Topsoil - 4 inches** | |
| | **Fill**<br>Loose, moist, dark brown and reddish brown, silty, fine SAND, some gravel; chaotic texture (SM). | |
| 5 | **Vashon Recessional Outwash**<br>Soft, moist, light brown and orangish brown, SILT (ML). | |
| | Medium dense, moist, dark orangish brown, gravelly fine to medium SAND, trace silt; stratified (SP). | |
| 10 | Becomes very moist, brown, gravelly, fine to coarse SAND, trace silt (SP). | |
| | Becomes wet. | |
| | **Pre-Possession Undifferentiated**<br>Dense, moist, brown and orangish brown, silty, fine SAND, some gravel; unsorted (SM). | |
| 15 | Moderate perched seepage 12 feet. Moderate to severe caving 0 to 13 feet. | |
| 20 | | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-26

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 17 | Approved By: JHS |

Depth (ft) | Description | USCS

Elev.: 200 ft NAVD88

0

**Organic Topsoil - 6 inches**

**Landslide Deposits**

Loose, moist, dark brown and brown, silty, fine SAND, trace gravel (SM).

Medium stiff, moist, grayish brown and orangish brown, SILT; faint laminations; stratified; brecciated; disturbed appearance (ML).

5 Becomes stiff, silt (ML).

Becomes very stiff, brownish gray and orangish brown.

Fractured; disturbed appearance.

10

Fractured in places.

15

Stiff, moist, gray, SILT; light gray, sandy laminations (ML).

No seepage. No caving.

20

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# Exploration Pit EP-27

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 15 | Approved By: JHS |

Elev.: 225 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Grass/Topsoil - 4 inches** | |
| | **Landslide Deposits** | |
| | Loose, moist, dark brown with dark brown and black staining, silty, fine sAND, some gravel; organics (SM). | |
| | Dense, moist, dark orangish brown, silty, fine SAND, some gravel; unsorted (SM). | |
| 5 | Medium stiff, very moist, gray, sandy, SILT ranging to silty, fine SAND, some gravel; scattered organics; buried log at 4 feet; disturbed texture (ML/SM). | |
| | Bed of dark brown and black organics. | |
| | Becomes dark gray and olive, silty, fine SAND, some gravel; occasional boulders; brecciated texture (SM). | |
| 10 | Becomes wet, gray with dark brown and black staining, sandy, SILT; occasional beds of clayey, silt; mica (ML). | |
| | **Olympia Fine-Grained Deposits** | |
| | Stiff, moist, brown and orangish brown, SILT; occasional laminations of dark brown staining; stratified (ML). | |
| 15 | Moderate seepage 3 and 11 feet. Severe caving 0 to 12 feet. | |
| 20 | | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-28

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 17 | Approved By: JHS |

Elev.: 290 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Grass/Topsoil - 4 Inches** | |
| | **Vashon Lodgement Till** | |
| | Medium dense, moist, orangish brown, silty, fine SAND, some gravel; unsorted (SM). | |
| | Becomes dense, brown; unsorted; occasional boulders and cobbles. | |
| 5 | Dark brown and orangish brown; weathering in places. | |
| | Becomes very dense and grayish brown. | |
| 10 | | |
| | Becomes brownish gray. | |
| 15 | Very dense, moist, gray, silty, fine SAND, some gravel; unsorted; mild reaction to hydrochloric acid (SM). | |
| | No seepage. No caving. | |
| 20 | | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-29

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 21 | Approved By: JHS |

Elev.: 302 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Grass/Topsoil - 4 inches** | |
| | **Vashon Lodgement Till**<br>Medium dense, moist, grayish brown, fine SAND, some silt, trace gravel; stratified; beds of brown and orangish brown, silty, fine sandy (SP-SM).<br>Becomes dense and brown. | |
| 5 | | |
| | **Vashon Advance Outwash - Olympia Sand**<br>Dense, moist, grayish brown, fine SAND, some silt, trace gravel; beds of brown and orangish brown, silty, fine sand; stratified (SP-SM).<br>Becomes fine sand, trace silt, thin brown bands of oxidation (SP). | |
| 10 | | |
| 15 | | |
| | **Olympia Fine-Grained Deposits**<br>Very stiff to hard, moist, brown and orangish brown, sandy, SILT; laminated (ML). | |
| 20 | | |
| | No seepage. No caving. | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-30

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 21 | Approved By: JHS |

Elev.: 293 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Roots/Topsoil - 6 inches** | |
| | **Vashon Lodgement Till**<br>Medium dense, moist, orangish brown, silty, fine SAND, some gravel; unsorted (SM). | |
| | Becomes dense and brown. | |
| 5 | **Vashon Advance Outwash - Olympia Sand**<br>Dense, moist, grayish brown, fine SAND, some silt, some gravel (SP-SM). | |
| | Becomes fine sand, some silt; stratified (SP). | |
| 10 | Occasional laminations of silty, fine sand. | |
| 15 | Becomes very moist; banded oxidation. | |
| | **Olympia Lacustrine Deposits**<br>Dense to hard, moist, brownish gray, silty, fine SAND ranging to sandy, SILT; silty, fine sand; contains mica (SM/ML). | |
| 20 | No seepage. No caving. | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-31

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 19 | Approved By: JHS |

Elev.: 340 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Forest Duff - 6 inches** | |
| | **Vashon Recessional Outwash**<br>Loose, moist, orangish brown, silty, fine SAND, some gravel (SM). | |
| | Becomes medium dense, fine to medium SAND, some silt (SP-SM). | |
| 5 | Becomes very moist. | |
| | **Vashon Lodgement Till**<br>Dense, moist, brown to grayish brown, silty, fine SAND, some gravel; unsorted (SM). | |
| 10 | Becomes very dense and brownish gray. | |
| 15 | **Vashon Advance Outwash - Olympia Sand**<br>Very dense, moist, brownish gray, fine sAND, trace silt, trace gravel; mica; stratified (SP). | |
| | No seepage. No caving. | |
| 20 | | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-32

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 18 | Approved By: JHS |

Elev.: 315 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Forest Duff - 6 inches** | |
| | **Vashon Lodgement Till**<br>Medium dense, moist, orangish brown, silty, fine SAND, some gravel; unsorted (SM).<br>Becomes dense, grayish brown. | |
| 5 | Becomes very dense, brownish gray. | |
| 10 | **Vashon Advance Outwash - Olympia Sand**<br>Very dense, moist, brownish gray, silty, fine SAND, some gravel; stratified (SP-SM). | |
| 15 | Becomes trace silt (SP). | |
| | No seepage. No caving. | |
| 20 | | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-33

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 15 | Approved By: JHS |

| Depth (ft) | Description | USCS |
|---|---|---|
| | Elev.: 333 ft NAVD88 | |
| 0 | **Grass/Topsoil - 4 inches** | |
| | **Vashon Lodgement Till** | |
| | Medium dense, moist, reddish brown, silty, fine SAND, some gravel; unsorted (SM). | |
| | Becomes dense, brown; occasional cobbles and boulders. | |
| 5 | Becomes very dense, grayish brown. | |
| 10 | Minor groundwater seepage at 13 feet. | |
| | Very dense, moist, gray, silty, fine SAND, some gravel; unsorted (SM). | |
| 15 | Minor seepage 13 feet. No caving. | |
| 20 | | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-34

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 15 | Approved By: JHS |

Elev.: 340 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Grass/Topsoil - 4 inches** | |
| | **Vashon Recessional Outwash**<br>Medium dense, moist, orangish brown, silty, fine SAND, some gravel (SM).<br>Becomes mottled tan and orangish brown; faintly stratified. | |
| 5 | Becomes wet, orangish brown, fine SAND, some silt (SP-SM).<br>Sandy pocket in sidewall at 4 feet with rapid groundwater seepage. | |
| | **Vashon Lodgement Till**<br>Dense, moist, grayish brown, silty, fine SAND, some gravel; unsorted (SM) . | |
| 10 | | |
| 15 | Very dense, moist, gray, silty, fine SAND, some gravel; unsorted (SM). | |
| | Rapid seepage 4.5 feet; pooling in base of excavation. Moderate caving 0 to 6 feet. | |
| 20 | | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-35

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 14 | Approved By: JHS |

| Depth (ft) | Description | USCS |
|---|---|---|
| | Elev.: 358 ft NAVD88 | |
| 0 | **Grass/Topsoil - 4 inches** | |
| | **Vashon Lodgement Till** | |
| | Medium dense, moist, orangish brown, silty, fine SAND, some gravel; unsorted (SM). | |
| | Becomes dense, brown. | |
| 5 | | |
| | Alternating 2-inch beds of wet, brown, gravelly, fine to coarse SAND, trace silt (SP) and 4- to 6-inch beds of silty, fine SAND, some gravel; unsorted (SM) from 6.5 to 9 feet. | |
| | Very dense, moist, brown, silty, fine SAND, some gravel; unsorted (SM). | |
| 10 | | |
| | Very dense, moist, gray, silty, fine SAND, some gravel; unsorted (SM). | |
| | Rapid seepage 7 to 9 feet; pooling in base of excavation. Minor caving 6 to 9 feet. | |
| 15 | | |
| 20 | | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-36

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 14 | Approved By: JHS |

Elev.: 375 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Forest Duff - 6 inches** | |
| | **Vashon Recessional Outwash**<br>Medium dense, moist, orangish brown, silty, fine SAND, some gravel (SM).<br>Becomes fine sand, some silt; stratified beds of gravel (SP-SM) | |
| 5 | Becomes brown. | |
| | **Vashon Lodgement Till**<br>Dense, moist, brown, silty, fine SAND, some gravel; unsorted (SM). | |
| 10 | Becomes very dense.<br><br>Becomes grayish brown. | |
| 15 | No seepage. Minor caving 0 to 4 feet. | |
| 20 | | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-37

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 14 | Approved By: JHS |

Elev.: 390 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Forest Duff - 6 inches** | |
| | **Vashon Lodgement Till**<br>Loose to medium dense, moist, orangish brown, silty, fine SAND, some gravel; unsorted (SM).<br>Becomes dense, brown.<br>Becomes grayish brown.<br>Becomes very dense; occasional cobbles and boulders; glacial irratic at 5 feet (≈8 feet in diameter). | |
| 10 | **Vashon Advance Outwash - Olympia Sand**<br>Very dense, moist, grayish brown, silty, fine SAND, trace gravel; stratified (SM).<br>Interbedded silty, fine SAND and fine to medium SAND, trace silt; contains mica (SP-SM).<br>Zones of very moist, sand above beds of silty, fine SAND. | |
| 15 | No seepage. No caving. | |
| 20 | | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-38

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 18 | Approved By: JHS |

Elev.: 355 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Forest Duff - 6 inches** | |
| | **Vashon Lodgement Till**<br>Medium dense, moist, orangish brown, silty, fine SAND, some gravel; unsorted (SM).<br>Becomes dense, brown. | |
| 5 | Becomes grayish brown.<br>Becomes very dense. | |
| | **Vashon Advance Outwash - Olympia Sand**<br>Very dense, moist, grayish brown, fine SAND, some silt, trace gravel; beds of oxidized silty, fine sand; stratified (SP-SM). | |
| 10 | | |
| 15 | Becomes trace silt (SP). | |
| | No seepage. No caving. | |
| 20 | | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-39

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 20 | Approved By: JHS |

Elev.: 355 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Forest Duff - 6 inches** | |
| | **Vashon Lodgement Till**<br>Medium dense, moist, orangish brown and dark brown, silty, fine SAND, some gravel; unsorted (SM).<br>Becomes dense, brown; occasional cobbles and boulders; breaks off in chunks.<br><br>Becomes very dense, grayish brown. | |
| 10 | **Vashon Advance Outwash - Olympia Sand**<br>Very dense, moist, grayish brown, fine SAND, some silt; stratified; abundant mica (SP-SM).<br><br>Occasional beds of silty, fine SAND; very moist above silty beds. | |
| 20 | No seepage. No caving. | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-40

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 19 | Approved By: JHS |

Elev.: 315 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Forest Duff - 6 inches** | |
| | **Vashon Lodgement Till**<br>Loose to medium dense, moist, orangish brown, silty, fine SAND, some gravel; unsorted (SM).<br>Becomes dense, brown with dark brown weathering; fractured.<br>Beds of wet, gravelly, fine to medium sand, some silt from 3.5 to 5 feet. | |
| 5 | Becomes orangish brown and light brown; mottled; unsorted. | |
| 10 | Becomes very dense, grayish brown. | |
| 15 | | |
| | **Vashon Advance Outwash - Olympia Sand**<br>Very dense, moist, grayish brown, fine SAND, some silt; faintly stratified; mica; beds of fine sand, trace silt (SP-SM). | |
| 20 | Minor seepage 3.5 to 5 feet. No caving. | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-41

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 18 | Approved By: JHS |

Elev.: 300 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Forest Duff - 6 inches** | |
| | **Vashon Lodgement Till**<br>Loose to medium dense, moist, orangish brown, silty, fine SAND, some gravel; unsorted (SM).<br>Becomes dense, brown, occasional gravelly beds and dark brown staining. | |
| 5 | Rips up in chunks.<br>Becomes very dense, grayish brown. | |
| 10 | **Olympia Lacustrine Deposits**<br>Very stiff to hard, moist, grayish brown with banded oxidation, sandy, SILT; mica; stratified; occasional laminations (ML). | |
| 15 | Very dense, moist, grayish brown, fine SAND, trace silt; banded oxidation (SP).<br>Occasional beds of very moist, silty, fine sand (SP-SM). | |
| | No seepage. No caving. | |
| 20 | | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-42

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 18 | Approved By: JHS |

Depth (ft) | Description | USCS

Elev.: 255 ft NAVD88

0

**Forest Duff - 6 inches**

**Landslide Deposits**

Loose to medium dense, moist, orangish brown, silty, fine SAND, some gravel; unsorted; boulders and cobbles (SM).
Becomes brown; disturbed texture; small voids in diamict.
Angular boulder (6 foot in diameter).

5

Dense, moist, brown, gravelly, fine to coarse SAND, some silt (SP-SM).

Small to medium roots.

10

Dense, moist, tan and orangish brown, silty, fine SAND, some gravel; organic inclusions; blocks of intact silt within the silty, fine sand (SM).

Wet at 12 feet.

15

**Vashon Lodgement Till**

Very dense, moist, brown, silty, fine SAND, some gravel; unsorted (SM).

**Vashon Advance Outwash - Olympia Sand**

Very dense, moist, grayish brown, fine SAND, some silt; stratified; mica (SP-SM).
Very stiff, moist, grayish brown, sandy SILT; mica (ML).

Minor perched seepage 12 feet. Minor caving 0 to 8 feet.

20

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# Exploration Pit EP-43

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 18 | Approved By: JHS |

Elev.: 205 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Topsoil - 12 inches** | |
| | **Landslide Deposits**<br>Loose, moist, dark brown and orangish brown, silty, fine SAND, some gravel (SM).<br>Becomes medium dense, very moist, brown and orangish brown. | |
| 5 | Occasional pieces of diamict; brecciated. | |
| | Bed of wet, dark brown and dark orangish brown, gravelly, fine to coarse SAND. | |
| 10 | Medium dense, very moist to wet, brown and orangish brown with scattered dark brown staining, fine SAND, some silt; beds of sandy, silt; mica; disturbed texture (SP-SM). | |
| | Heavily oxidized band.<br>Stiff, very moist to moist, gray, sandy, SILT; organic inclusions; occasional laminations of clayey silt; mica; organic inclusions; disturbed texture; zones of dark olive, silty, fine sand (ML). | |
| 15 | **Olympia Fine-Grained Deposits**<br>Very stiff, moist, gray, SILT; occasional laminations of light gray; polished surfaces (ML). | |
| | Moderate seepage 7 feet. Moderate caving 3 to 8 feet. | |
| 20 | | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-44

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 5/23/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 21 | Approved By: JHS |

Elev.: 185 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Forest Duff - 6 inches** | |
| | **Vashon Recessional Outwash**<br>Loose, moist, orangish brown, fine SAND, some silt, trace gravel (SP-SM).<br>Becomes medium dense; mica. | |
| 5 | **Vashon Lodgement Till**<br>Medium dense, moist to very moist, brown, silty, fine SAND, some gravel (SM).<br>Becomes dense, grayish brown; unsorted; rips up in chunks (SM).<br>Wet at 8 feet. | |
| 10 | **Olympia Fine-Grained Deposits**<br>Very stiff, moist, brownish gray and orangish brown, SILT; infilled, oxidized fractures; polished surfaces; brecciated in places (ML). | |
| 15 | Becomes gray.<br>Becomes sandy, silt, light gray; laminations; mica. | |
| 20 | Olive staining. | |
| 25 | Minor perched seepage 8 feet. No caving. | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-45

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 11/20/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 18 | Approved By: JHS |

Elev.: 284 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Grass/Roots - 3 inches** | |
| | **Landslide Deposits**<br>Loose, moist, dark brown, silty, fine SAND, trace gravel; small roots; fine organics (topsoil) (SM).<br>Medium dense, moist, orangish brown, silty, fine SAND, some gravel; trace cobbles; distributed texture (SM).<br>Medium dense, moist, mottled orangish brown and brown, silty, fine SAND, trace gravel; contains black decomposed roots (SM). | |
| 5 | Medium dense, very moist, brown, fine SAND, some silt, trace gravel; contains thin interbeds (1 inch thick) of gravelly, silty, fine SAND; gravel is fine ranging to coarse sand; mica; laminations of sandy, silt; disturbed texture (SP-SM).<br>Dense, moist, grayish brown, fine SAND, some silt, trace gravel; finely bedded in places; contains mica; disturbed texture (SP-SM). | |
| 10 | **Vashon Lodgement Till**<br>Dense, moist, brownish gray to dark brownish gray, silty, fine SAND, some gravel; unsorted; zones of oxidation and manganese staining; scattered boulders; pinhole voids (SM). | |
| 15 | **Olympia Lacustrine Deposits**<br>Dense, moist, grayish brown, fine SAND, trace silt; occasional bands of oxidation along beds of fine sand, some silt; contains mica; stratified in places; massive; zones of heavily oxidized sand (dark orange and black) (SP).<br><br>Zones/pockets of silty, fine GRAVEL, trace sand. | |
| 20 | Minor perched seepage 6 to 6.5 feet. Moderate caving 0 to 9 feet.<br>No pooling at base of excavation from perched seepage above. | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-46

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 11/20/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 16 | Approved By: JHS |

Depth (ft) | Description | USCS

Elev.: 274 ft NAVD88

0

**Landslide Deposits**

Loose, moist, dark brown to black, silty, fine SAND; abundant organics; roots (SM).
Loose, moist, dark orangish brown, silty, fine SAND, trace gravel (SM).
Medium dense to dense, moist, grayish brown, interbedded silty, fine SAND and fine SAND, some silt; thinly bedded; banded oxidation; contains mica (SM).

5

Medium dense to dense, moist, grayish brown, fine SAND, some silt; stratified (SP-SM).

Bed of laminated sandy, SILT; oxidized (ML).

Bed of laminated sandy, SILT; orangish brown oxidation (ML).

10

Dense, moist to very moist, grayish brown, silty, fine SAND; faintly stratified; separated along sandy partings (SM).

Bed of laminated sandy, SILT; orangish brown oxidation (ML).

15

Minor perched seepage 1.5 to 2 feet. Moderate caving 0 to 2 feet.
No pooling at base of excavation from perched seepage above.

20

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25

30

35

40

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# Exploration Pit EP-47

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 11/20/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 17.5 | Approved By: JHS |

Elev.: 274 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Grass/Roots - 6 inches** | |
| | Loose, moist, dark brown, silty, fine SAND, trace gravel (SM). | |
| | **Landslide Deposits** | |
| | Loose to medium dense, moist, orangish brown and grayish brown, fine SAND, some silt; brecciated texture in places (SP-SM). | |
| 5 | Medium dense, moist, grayish brown, silty, fine SAND; brecciated texture; zones of orangish brown mottled oxidation (SM). | |
| 10 | Medium stiff, moist, grayish brown and orangish brown, SILT; occasional oxidized fractures and slickensides; laminations of sand contains mica; scattered fine organics (ML). | |
| 15 | Medium stiff, very moist, grayish brown and orangish brown, sandy, SILT (ML). | |
| | Medium stiff, very moist, gray, laminated sandy, SILT; laminations of brown, sandy, SILT and thin beds of light gray, clayey, SILT; occasional fractures (ML). | |
| 20 | No seepage. Moderate caving 0 to 4 feet. | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-48

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 11/21/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 15 | Approved By: JHS |

Elev.: 218 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Grass/Topsoil - 6 inches** | |
| | **Landslide Deposits** | |
| | Loose, moist, dark brown, silty, fine SAND (SM). | |
| | Soft, moist, brown, sandy, SILT; massive; small roots (ML). | |
| 5 | Soft to medium stiff, moist, mottled orangish brown and light brown, SILT; brecciated texture; fine organic inclusions (ML). | |
| 10 | Medium stiff, gray, clayey, SILT; brecciated texture; polished surfaces; fractured (ML). | |
| 15 | Minor perched seepage 9 to 10 feet. Minor caving 0 to 8 feet. | |
| 20 | | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Exploration Pit EP-49

**Arlington 360** Sheet: 1 of 1

| | | |
|---|---|---|
| Arlington, WA | Date: 11/21/23 | Logged By: PEL |
| 20230078E001 | Total Depth (ft): 15 | Approved By: JHS |

Elev.: 200 ft NAVD88

| Depth (ft) | Description | USCS |
|---|---|---|
| 0 | **Grass/Roots - 6 inches** | |
| | **Landslide Deposits** | |
| | Loose, moist, dark brown, silty, fine SAND, trace gravel (SM). | |
| | Loose to medium dense, moist, dark orangish brown, silty, fine SAND; small roots; fine organics (SM). | |
| | Loose, moist, mottled orangish brown and light brown, SILT; brecciated texture (ML). | |
| 5 | Medium stiff, moist, orangish brown and brown, SILT; fractured; dark orangish brown oxidation along fractured; brecciated zones of silt (ML). | |
| 10 | Becomes brownish gray, fractured, slickensides, brecciated texture. | |
| | Becomes gray. | |
| 15 | Minor perched seepage 3.5 to 4 feet. Minor caving 0 to 4 feet. | |
| 20 | | |
| 25 | | |
| 30 | | |
| 35 | | |
| 40 | | |

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# Monitoring Well EB-1W

Arlington 360 — Sheet: 1 of 3

| | | |
|---|---|---|
| Arlington, WA | Start Date: 7/26/2023 | Logged By: PL |
| 20230078E001 | Ending Date: 7/27/2023 | Approved By: JHS |

Driller/Equipment: Holocene Drilling/Mud-Rotary
Hammer Weight/Drop: 140#/30"
Hole Diameter (in): 8.5
Ground Surface Elevation (ft): 260
Water Level Elevation (ft): 233.7
Groundwater Depth ATD (ft): 15

Total Depth (ft): 91.5
Well Completion Depth (ft): 50
Well Tag No.: BPQ-836
Top of Well Casing Elevation (ft): 263.5
Datum: NAVD88
Groundwater Depth Post Drilling (ft) (Date): 23.92 ( 10/5/23 )

| Depth (ft) | Sample Type | Sample No. | Graphic Symbol | Description | Water Level | Blows/6" | Blows/Foot (10 20 30 40 50+) | Well Construction |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | **Landslide Deposits**<br>Moist to slightly moist, brown, silty, fine SAND, trace gravel; scattered cobbles; small roots (SM). | | | | Standup monument<br>Casing stickup +3.13 to 0 feet<br>Concrete 0 to 4 feet |
| | | 1 | | No recovery.<br>Gravelly drilling. | | 2<br>1<br>1 | 2 | |
| 5 | | 2 | | Moist, brown, silty, fine SAND, some gravel; inclusions of dark brown to black organics (SM). | | 2<br>9<br>13 | 22 | Medium (3/8-inch) bentonite chips 4 to 37 feet |
| | | 3 | | Moist, brown, fine SAND, some gravel, some silt; zones of silty, fine sand; disturbed texture (SP-SM). | | 12<br>15<br>10 | 25 | |
| 10 | | 4 | | Gravelly drilling.<br>Moist, brown and grayish brown, silty, fine SAND, some gravel; disturbed texture; unsorted (SM).<br>Smooth drilling at 13 to 14 feet. | | 15<br>20<br>36 | 34 | |
| 15 | | 5 | | Upper 6 inches: Very moist to wet, brown, fine SAND, some silt; contains mica; pockets of dark brown (SP-SM).<br>Lower 12 inches: Very moist, grayish, brown, sandy, SILT; contains mica; sharp contact between sand and silt (ML). | ▼ | 8<br>4<br>5 | 9 | |
| 20 | | 6 | | **Olympia Lacustrine Deposits**<br>Very moist, grayish brown, sandy, SILT; beds of wet, grayish brown, fine SAND, some silt; sand contains mica; stratified; finely bedded to laminated (ML). | | 7<br>15<br>25 | 25 | 2-inch I.D. Sch 40 PVC casing with threaded connections 0 to 40 feet |
| | | 7 | | Wet, grayish brown, silty, fine SAND; sand contains abundant mica; occasional banded oxidation; massive (SM). | ▽ | 12<br>16<br>26 | 26 | |
| 25 | | 8 | | Moist, grayish brown, SILT; beds of wet, grayish brown to dark grayish brown, fine SAND, some silt; sharp contacts; sand contains mica; finely bedded to laminated (ML). | | 7<br>8<br>16 | 24 | |
| 30 | | 9 | | Wet, brownish, gray, fine SAND, some silt; contains mica; poor recovery (SP-SM). | | 14<br>20<br>24 | 44 | |
| 35 | | 10 | | Very moist to wet, brownish gray, fine SAND, some silt; beds of silty, fine SAND and sandy, silt; stratified | | 28<br>45 | 57 | |

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# Monitoring Well EB-1W

Arlington 360 — Sheet: 2 of 3

| | | |
|---|---|---|
| Arlington, WA | Start Date: 7/26/2023 | Logged By: PL |
| 20230078E001 | Ending Date: 7/27/2023 | Approved By: JHS |

Driller/Equipment: Holocene Drilling/Mud-Rotary
Hammer Weight/Drop: 140#/30"
Hole Diameter (in): 8.5
Ground Surface Elevation (ft): 260
Water Level Elevation (ft): 233.7
Groundwater Depth ATD (ft): 15

Total Depth (ft): 91.5
Well Completion Depth (ft): 50
Well Tag No.: BPQ-836
Top of Well Casing Elevation (ft): 263.5
Datum: NAVD88
Groundwater Depth Post Drilling (ft) (Date): 23.92 ( 10/5/23 )

| Depth (ft) | Sample Type | Sample No. | Graphic Symbol | Description | Water Level | Blows/6" | Blows/Foot (10 20 30 40 50+) | Well Construction |
|---|---|---|---|---|---|---|---|---|
| | | | | (SP-SM). | | 50/6" | | 12/20 filter sand 37 to 50 feet |
| 40 | | 11 | | Wet, gray, silty, fine SAND; occasional laminations of silt; contains mica (SM). | | 10<br>21<br>25 | 46 | 2-inch I.D. Sch 40 PVC slotted well screen 0.020-inch slot width 40 to 50 feet |
| 45 | | 12 | | Upper 6 inches: Very moist to moist, gray, SILT (ML). Lower 6 inches: Wet, gray, fine SAND, some silt ranging to silty, fine SAND; sharp contact (SP-SM/SM). | | 29<br>50/6" | 48 | |
| | | 13 | | Wet, gray, silty, fine SAND, trace gravel; bed of sandy, silt; dropstones (SM). | | 20<br>17<br>31 | 48 | |
| 50 | | 14 | | Wet, dark gray, silty, fine SAND; massive; contains mica (SM). | | 21<br>31<br>39 | 70 | Flat threaded endcap |
| 55 | | 15 | | Wet, dark gray, silty, fine SAND; massive; contains fine woody organics and mica (SM). | | 27<br>29<br>35 | 64 | |
| | | 16 | | Driller notes faster drilling at 57 feet.<br>**Olympia Fine-Grained Deposits**<br>Moist, dark gray, SILT; beds of fine SAND, some silt; stratified; sand contains mica (ML). | | 39<br>50/4" | 58 | |
| 60 | | 17 | | Moist, gray to dark gray, SILT; occasional light gray infilled fractures; massive; no reaction to diluted HCl (ML). | | 11<br>22<br>33 | 55 | |
| 65 | | 18 | | Moist, gray, SILT; occasional beds of very moist to wet, sandy, SILT; gradational contacts generally massive; silt is non-cohesive and non-plastic (ML). | | 15<br>25<br>39 | 64 | |
| 70 | | 19 | | Moist, gray to dark gray, SILT; occasional dark gray and light gray laminations (ML). | | 15<br>26<br>37 | 63 | |

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# Monitoring Well EB-1W

Arlington 360 — Sheet: 3 of 3

| | | |
|---|---|---|
| Arlington, WA | Start Date: 7/26/2023 | Logged By: PL |
| 20230078E001 | Ending Date: 7/27/2023 | Approved By: JHS |

Driller/Equipment: Holocene Drilling/Mud-Rotary
Hammer Weight/Drop: 140#/30"
Hole Diameter (in): 8.5
Ground Surface Elevation (ft): 260
Water Level Elevation (ft): 233.7
Groundwater Depth ATD (ft): 15

Total Depth (ft): 91.5
Well Completion Depth (ft): 50
Well Tag No.: BPQ-836
Top of Well Casing Elevation (ft): 263.5
Datum: NAVD88
Groundwater Depth Post Drilling (ft) (Date): 23.92 ( 10/5/23 )

| Depth (ft) | Sample Type | Sample No. | Graphic Symbol | Description | Water Level | Blows/6" | Blows/Foot (10 20 30 40 50+) | Well Construction |
|---|---|---|---|---|---|---|---|---|
| 75 | | 20 | | Moist, gray, SILT; massive; no reaction to HCl (ML). | | 18<br>34<br>44 | 78 | DRAFT |
| 80 | | 21 | | Moist, gray to dark gray, SILT; occasional light gray laminations (ML). | | 26<br>50/6" | 47 | |
| 85 | | 22 | | Moist, gray, to dark gray, SILT; low to moderate plasticity; light gray laminations (ML). | | 12<br>21<br>31 | 52 | |
| 90 | | 23 | | Moist, gray to dark gray, SILT; light gray laminations (ML). | | 18<br>22<br>30 | 52 | |
| 95 | | | | Groundwater encountered at approximately 15 feet BGS ATD.<br>Blow counts (Blows/Foot) from samples taken with a 2.5-inch outside diameter modified California (Cal-Mod) sampler have been adjusted to reflect standard 2-inch outside diameter SPT blow counts. | | | | |
| 100 | | | | | | | | |
| 105 | | | | | | | | |

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# Monitoring Well EB-2W

Arlington 360 — Sheet: 1 of 2

| | | |
|---|---|---|
| Arlington, WA | Start Date: 7/27/2023 | Logged By: PL |
| 20230078E001 | Ending Date: 7/28/2023 | Approved By: JHS |

Driller/Equipment: Holocene Drilling/HSA
Hammer Weight/Drop: 140#/30"
Hole Diameter (in): 8.5
Ground Surface Elevation (ft): ≈265
Water Level Elevation (ft): 231
Groundwater Depth ATD (ft): 34

Total Depth (ft): 51.5
Well Completion Depth (ft): 50.5
Well Tag No.: BPQ-837
Top of Well Casing Elevation (ft): 268.6
Datum: NAVD88
Groundwater Depth Post Drilling (ft) (Date): 27.93 ( 12/22/23 )

| Depth (ft) | Sample Type | Sample No. | Graphic Symbol | Description | Water Level | Blows/6" | Blows/Foot (10 20 30 40 50+) | Well Construction |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | **Grass and Topsoil - 4 inches** | | | | Casing stickup +3.43 to 0 feet |
| | | | | **Landslide Deposits** | | | | Concrete 0 to 3 feet |
| | | 1 | | Slightly moist, light brown, silty, fine SAND, trace gravel; small roots (SM). | | 6<br>13<br>27 | 40 | Medium (3/8-inch) bentonite chips 3 to 27 feet |
| 5 | | 2 | | Moist, brown ranging to grayish brown with orangish brown oxidation, silty, fine SAND, some gravel; dark brown organic inclusions; disturbed texture (SM). | | 15<br>32<br>34 | 66 | |
| | | 3 | | Moist, brown, silty, fine SAND, some gravel; gravel lodged in top of sampler; poor recovery; blow counts overstated (SM). | | 18<br>40<br>50/4" | 55 | |
| | | | | Very gravelly drilling. | | | | |
| 10 | | 4 | | Moist, brown, silty, fine SAND, some gravel; gravel lodged in tip of sampler; poor recovery; blow counts overstated (SM). | | 7<br>13<br>12 | 25 | |
| | | 5 | | Moist, grayish brown to olive brown, silty, fine SAND, trace gravel; disturbed texture; dark brown staining in places; heavily oxidized orangish brown fracture; contains mica (SM). | | 19<br>35<br>48 | 51 | |
| 15 | | 6 | | Very moist, brownish gray, silty, fine SAND, trace gravel; contains infilled silty fractures; disturbed texture; contains mica (SM). | | 12<br>18<br>15 | 33 | 2-inch I.D. Sch 40 PVC well casing, threaded connections 0 to 30 feet |
| | | | | Moist to very moist, brownish gray, silty, fine SAND, trace gravel; disturbed texture; non-horizontal bedding/fractures; dark brown to black inclusions (SM). | | | | |
| 20 | | 7 | | Very moist, brownish gray, sandy, SILT; contains mica; massive (ML). | | 8<br>14<br>16 | 30 | |
| | | 8 | | Very moist, gray, very silty, fine SAND; brecciated silt in fractures; fractures are high angle; non-horizontal beds of brownish gray (SM). | | 29<br>44<br>39 | 51 | |
| 25 | | 9 | | Very moist, gray, silty, fine SAND; beds of gray and bluish gray silt; contains mica; occasional zones of dark gray, brecciated silt; no reaction to diluted HCl (SM). | ▽ | 7<br>12<br>14 | 26 | Filter sand pack #12/20 27 to 44 feet |
| 30 | | 10 | | Moist, gray and greenish gray, very silty, fine SAND, ranging to SILT; very disturbed texture; zones of dark gray brecciated silt; abundant high angle fractures (SM/ML). | ▼ | 7<br>12<br>19 | 31 | 2-inch I.D. Sch 40 PVC slotted well screen 0.020-inch slot width 30 to 40 feet |
| 35 | | 11 | | Wet, gray, silty, fine SAND; bed (1 inch thick) of dark gray, brecciated silt in lower 6 inches of sampler; | | 23 | 50 | |

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# Monitoring Well EB-2W

Arlington 360 — Sheet: 2 of 2

| | | |
|---|---|---|
| Arlington, WA | Start Date: 7/27/2023 | Logged By: PL |
| 20230078E001 | Ending Date: 7/28/2023 | Approved By: JHS |

Driller/Equipment: Holocene Drilling/HSA
Hammer Weight/Drop: 140#/30"
Hole Diameter (in): 8.5
Ground Surface Elevation (ft): ≈265
Water Level Elevation (ft): 231
Groundwater Depth ATD (ft): 34

Total Depth (ft): 51.5
Well Completion Depth (ft): 50.5
Well Tag No.: BPQ-837
Top of Well Casing Elevation (ft): 268.6
Datum: NAVD88
Groundwater Depth Post Drilling (ft) (Date): 27.93 ( 12/22/23 )

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| Depth (ft) | Sample Type | Sample No. | Graphic Symbol | Description | Water Level | Blows/6" | Blows/Foot (10 20 30 40 50+) |
|---|---|---|---|---|---|---|---|
| | | | | sand contains mica; interbedded sand and silt (SP-SM). Driller adds water preemptively for sand heave. | | 27 | |
| 40 | | 12 | | Wet, gray, silty, fine SAND; high angle fractures/ bedding; brecciated non-horizontal beds of silt; disturbed texture (SM). | | 14 20 27 | 47 |
| | | 13 | | Moist to wet, gray, sandy, SILT to SILT; high angle infilled fractures; zones of wet, silty, fine sand; disturbed texture; Cal-mod sampler (ML). | | 16 43 50/5" | 56 |
| 45 | | 14 | | **Olympia Fine-Grained Deposits** Moist, gray, SILT; light gray and dark gray laminations; appears intact compared to previous samples; no reaction to diluted HCl (ML). | | 12 24 38 | 62 |
| 50 | | 15 | | Moist, gray, SILT; laminations of dark gray and light gray, silt; cohesive; medium plasticity (ML). | | 16 31 50/6" | 50/6" |
| | | | | Groundwater encountered at 34 feet ATD. Groundwater at 21.1 feet 30 minutes after install, may be elevated due to water used while drilling. Blow counts (Blows/Foot) from samples taken with a 2.5-inch outside diameter modified California (Cal-Mod) sampler have been adjusted to reflect standard 2-inch outside diameter SPT blow counts. | | | |
| 55 | | | | | | | |
| 60 | | | | | | | |
| 65 | | | | | | | |
| 70 | | | | | | | |

Flat threaded well cap

Caved debris and medium (3/8-inch) bentonite chips 44 to 51.5 feet

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# Monitoring Well EB-3W

Arlington 360 — Sheet: 1 of 2

| | | |
|---|---|---|
| Arlington, WA | Start Date: 12/11/23 | Logged By: PL |
| 20230078E001 | Ending Date: 12/11/23 | Approved By: JHS |

Driller/Equipment: Holocene Drilling/D-50/HSA
Hammer Weight/Drop: 140#/30"
Hole Diameter (in): 8
Ground Surface Elevation (ft): ≈266
Water Level Elevation (ft): 242.63
Groundwater Depth ATD (ft): 7

Total Depth (ft): 51.5
Well Completion Depth (ft): 40
Well Tag No.: BPX651
Top of Well Casing Elevation (ft): 270.5
Datum: NAVD 88
Groundwater Depth Post Drilling (ft) (Date): 27.87 ( 12/22/23 )

| Depth (ft) | Sample Type | Sample No. | Graphic Symbol | Description | Water Level | Blows/6" | Blows/Foot (10 20 30 40 50+) | Well Construction |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | **Landslide Deposits** | | | | Above ground monument and bollards<br>Casing stickup +4.5 feet<br>Concrete grout 0 to 3 feet<br>3/8-inch bentonite chip seal 4 to 30 feet<br>2-inch I.D. PVC casing +4.5 to 30 feet |
| | | 1 | | Moist, brown, fine SAND, some silt; interbeds of silty, fine sand; stratified; sand contains mica; occasional bands of orangish brown oxidation (SP-SM). | | 4<br>9<br>10 | 19 | |
| 5 | | 2 | | Moist to very moist, brown, fine SAND, some silt; occasional laminations of silty, fine sand; stratified; sand contains mica (SP-SM). | | 8<br>12<br>12 | 24 | |
| | | 3 | | Wet, brown, silty, fine SAND, interbedded with fine sand, some silt; stratified; sand contains mica (SM). | ▼ | 5<br>8<br>7 | 17 | |
| 10 | | 4 | | Wet, brown, silty, fine SAND; beds of sandy, silt; stratified; contains mica; silt is occasionally laminated; occasional orangish brown bands of oxidation; sampled using Cal-Mod (SM). | | 6<br>7<br>7 | 14 | |
| 15 | | 5 | | Wet, grayish brown, silty, fine SAND; occasional beds of sandy silt; stratified; contains mica (SM). | | 5<br>5<br>6 | 11 | |
| | | 6 | | Wet, grayish brown, silty, fine SAND; contains mica; faintly stratified; sampled using Cal-Mod (SM). Driller notes firm drilling at ≈19 feet. | | 2<br>10<br>14 | 24 | |
| 20 | | 7 | | Moist to very moist, brownish gray, SILT ranging to sandy, SILT; silt is occasionally laminated with light gray, sandy, partings (ML). | | 5<br>9<br>12 | 21 | |
| 25 | | 8 | | Moist, grayish brown, SILT; bed of wet, gray, fine sand, some silt in bottom 6 inches of sample; stratified; sharp contact; silt contains light gray and dark brown to black laminations (ML). | | 3<br>5<br>10 | 15 | |
| | | 9 | | Moist, grayish brown, sandy, SILT; interbedded (4 to 6 inches thick) with wet, gray, silty, fine sand; stratified; sand contains mica; occasional fractures in silt; occasional zones of brecciated silt; sampled using Cal-Mod (SM/ML). | ▽ | 3<br>7<br>17 | 24 | |
| 30 | | 10 | | Wet, gray, very silty, fine SAND; occasional thin beds of gray, sandy, silt; stratified; sand contains mica (SM). | | 6<br>12<br>13 | 25 | 2-inch I.D. PVC slotted well screen 0.010-inch slot width 30 to 40 feet |
| | | | | **Olympia Lacustrine Deposits** | | | | |
| 35 | | 11 | | Wet, dark gray, sandy, SILT; massive; contains mica (ML). | | 8<br>12 | 28 | Whole grain sandpack estimated 35 to 42 feet |

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# Monitoring Well EB-3W

Arlington 360 — Sheet: 2 of 2

| | | |
|---|---|---|
| Arlington, WA | Start Date: 12/11/23 | Logged By: PL |
| 20230078E001 | Ending Date: 12/11/23 | Approved By: JHS |

Driller/Equipment: Holocene Drilling/D-50/HSA
Hammer Weight/Drop: 140#/30"
Hole Diameter (in): 8
Ground Surface Elevation (ft): ≈266
Water Level Elevation (ft): 242.63
Groundwater Depth ATD (ft): 7

Total Depth (ft): 51.5
Well Completion Depth (ft): 40
Well Tag No.: BPX651
Top of Well Casing Elevation (ft): 270.5
Datum: NAVD 88
Groundwater Depth Post Drilling (ft) (Date): 27.87 ( 12/22/23 )

| Depth (ft) | Sample Type | Sample No. | Graphic Symbol | Description | Water Level | Blows/6" | Blows/Foot (10 20 30 40 50+) | Well Construction |
|---|---|---|---|---|---|---|---|---|
| 40 | | 12 | | Moist, gray, SILT; bed of wet, gray to dark gray, silty, fine sand; gradational contacts; silt contains light gray laminations; sand contains mica (ML). | | 11 17 21 | 38 | Top of sandpack is unknown due to caving during installation. |
| | | | | **Olympia Fine-Grained Deposits** | | | | Flat threaded endcap |
| 45 | | 13 | | Moist, dark gray, SILT ranging to sandy, SILT; laminations of light gray and dark gray; transition from silt and sandy silt is sharp; contains fine mica (ML). | | 10 27 37 | 64 | Caved soil filled boring ≈40 to 51.5 feet |
| 50 | | 14 | | Moist, dark gray, clayey, SILT; occasional dark gray and light gray laminations (ML). | | 15 30 50/6" | 50/6" | |
| 55 | | | | Groundwater encountered at 7 feet ATD.<br>Groundwater encountered at 19.85 feet BTC (pre-development) on 12/12/23.<br>Groundwater encountered at 27.87 feet BTC (post-development) on 12/22/23.<br>Blow counts (Blows/Foot) from samples taken with a 2.5-inch outside diameter modified California (Cal-Mod) sampler have been adjusted to reflect standard 2-inch outside diameter SPT blow counts. | | | | |
| 60 | | | | | | | | |
| 65 | | | | | | | | |
| 70 | | | | | | | | |

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# Monitoring Well EB-4W

Arlington 360 — Sheet: 1 of 3

| | | |
|---|---|---|
| Arlington, WA | Start Date: 12/13/23 | Logged By: PL |
| 20230078E001 | Ending Date: 12/14/23 | Approved By: JHS |

Driller/Equipment: Holocene Drilling/D-50/Mud-Rotary
Hammer Weight/Drop: 140#/30"
Hole Diameter (in): 5
Ground Surface Elevation (ft): 284
Water Level Elevation (ft): 261.1
▼ Groundwater Depth ATD (ft): 20

Total Depth (ft): 101.5
Well Completion Depth (ft): 30
Well Tag No.: BPX653
Top of Well Casing Elevation (ft): 287.6
Datum: NAVD 88
▽ Groundwater Depth Post Drilling (ft) (Date): 26.5 ( 12/22/23 )

| Depth (ft) | Sample Type | Sample No. | Graphic Symbol | Description | Water Level | Blows/6" | Blows/Foot (10 20 30 40 50+) | Well Construction |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | **Grass/Roots - 4 inches** | | | | Above ground monument |
| | | | | **Landslide Deposits** | | | | Casing stickup +3.6 feet |
| | | | | | | | | Concrete grout 0 to 2 feet |
| | | | | | | | 19 | Medium (3/8-inch) bentonite chips 2 to 18 feet |
| | | 1 | | Moist, brown, fine SAND, some silt; interbeds of silty, fine sand; stratified; sand contains mica; occasional bands of orangish brown oxidation (SP-SM). | | 4 9 10 | | |
| 5 | | | | | | | 24 | |
| | | 2 | | Moist to very moist, brown, fine SAND, some silt; occasional laminations of silty, fine sand; stratified; sand contains mica (SP-SM). | | 8 12 12 | | 2-inch I.D. Sch 40 PVC casing with threaded connections +3.6 to 20 feet |
| | | | | Gravelly drilling at 6.5 feet. | | | | |
| | | 3 | | Moist, brown and dark grayish brown, silty, fine SAND, some gravel; unsorted; disturbed texture; manganese staining; till-like (SM). | | 14 32 42 | 74 | |
| 10 | | 4 | | Moist, brown and dark grayish brown, silty, fine SAND, some gravel to gravelly; unsorted; disturbed texture; black organic inclusion in tip of sampler; dark brown manganese staining; till-like (SM). | | 17 36 50/5" | 50/5" | |
| | | | | Smooth drilling. | | | | |
| | | | | **Vashon Advance Outwash - Olympia Sand** | | | | |
| 15 | | 5 | | Moist, grayish brown, fine SAND, trace silt; massive; occasional orangish brown oxidation banding; sand contains mica (SP). | | 12 14 14 | 28 | |
| | | | | **Olympia Lacustrine Deposits** | | | | Whole grain sand pack (#12/20) 18 to 35 feet |
| 20 | | 6 | | Wet, grayish brown, fine SAND, some silt; laminations and thin beds of light grayish brown, silt; stratified; sand contains mica (SP-SM). | ▼ | 10 13 13 | 26 | 2-inch I.D. Sch 40 PVC slotted well screen 0.010-inch slot width 20 to 30 feet |
| 25 | | 7 | | Upper 12 inches: Wet, grayish brown, fine SAND, some silt; massive; contains mica (SP-SM). Lower 6 inches: Very moist, brown and grayish brown, SILT and sandy, SILT; silt is laminated; sharp contacts between sand and silt (ML). | ▽ | 10 12 16 | 28 | |
| 30 | | 8 | | Wet, grayish brown, silty, fine SAND; beds of light brown silt; silt is laminated in places, sand contains mica (SM). | | 9 13 18 | 31 | Flat threaded well cap |
| 35 | | 9 | | Moist to very moist, brownish gray grading to dark gray (top to bottom), sandy, SILT ranging to SILT; beds | | 8 11 | 30 | 3/8-inch bentonite chips 35 to 40 feet |

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# Monitoring Well EB-4W

Arlington 360 — Sheet: 2 of 3

| | | |
|---|---|---|
| Arlington, WA | Start Date: 12/13/23 | Logged By: PL |
| 20230078E001 | Ending Date: 12/14/23 | Approved By: JHS |

Driller/Equipment: Holocene Drilling/D-50/Mud-Rotary
Hammer Weight/Drop: 140#/30"
Hole Diameter (in): 5
Ground Surface Elevation (ft): 284
Water Level Elevation (ft): 261.1
Groundwater Depth ATD (ft): 20

Total Depth (ft): 101.5
Well Completion Depth (ft): 30
Well Tag No.: BPX653
Top of Well Casing Elevation (ft): 287.6
Datum: NAVD 88
Groundwater Depth Post Drilling (ft) (Date): 26.5 ( 12/22/23 )

| Depth (ft) | Sample Type | Sample No. | Graphic Symbol | Description | Water Level | Blows/6" | Blows/Foot (10 20 30 40 50+) | Well Construction |
|---|---|---|---|---|---|---|---|---|
| | | | | of dark gray, fine sand, some silt in top of sampler; sand contains mica (ML). | | 19 | | |
| 40 | | 10 | | Wet, dark gray, silty, fine SAND ranging to sandy, SILT; bed (3 inches thick) of dark gray and light gray, silt; sand contains mica; stratified; silt contains horizontal partings/lamination (SM-ML/ML). | | 14<br>21<br>29 | 50 | Bentonite grout mixture 40 to 100 feet |
| 45 | | 11 | | Wet, dark gray, very silty, fine SAND; bed of gray silt ranging to clayey, silt; clayey silt is medium plasticity and cohesive; sand contains occasional dark brown to black staining and fine black lamination (possible organics); sand contains fine mica; stratified (SM/ML). | | 14<br>25<br>33 | 58 | |
| 50 | | 12 | | Moist, dark gray, low plasticity, cohesive, SILT; silt contains bands of black staining; occasional thin beds of brecciated silt have semi-polished surface (ML). | | 16<br>24<br>37 | 61 | |
| 55 | | 13 | | Wet, dark gray, non-plastic, non-cohesive, sandy, SILT; bed (4 inches thick) of medium plasticity, cohesive, clayey, silt near tip of sampler; sandy silt contains mica; clayey silt is laminated (ML). | | 9<br>16<br>25 | 41 | |
| 60 | | 14 | | Moist, gray, non-plastic, non-cohesive, sandy, SILT; beds (2 to 5 inches thick) of wet, dark gray, silty, fine sand and thin beds (>0.5 to 1 inch thick) of moist, dark gray, medium plasticity, cohesive, clayey, silt; sand contains mica; occasional laminations in silt of light gray sand (ML). | | 19<br>32<br>37 | 69 | |
| 65 | | 15 | | **Olympia Fine-Grained Deposits**<br>Moist, dark gray, low plasticity, low cohesive, SILT; thin zone (0.5 centimeters thick) of brecciated silt with pointed surfaces; massive (ML). | | 15<br>28<br>36 | 64 | |
| 70 | | 16 | | Moist, dark gray, low plasticity, cohesive, SILT; occasional light gray, sandy laminations (ML). | | 14<br>21<br>27 | 48 | |

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# Monitoring Well EB-4W

Arlington 360 — Sheet: 3 of 3

| | | |
|---|---|---|
| Arlington, WA | Start Date: 12/13/23 | Logged By: PL |
| 20230078E001 | Ending Date: 12/14/23 | Approved By: JHS |

Driller/Equipment: Holocene Drilling/D-50/Mud-Rotary
Hammer Weight/Drop: 140#/30"
Hole Diameter (in): 5
Ground Surface Elevation (ft): 284
Water Level Elevation (ft): 261.1
Groundwater Depth ATD (ft): 20

Total Depth (ft): 101.5
Well Completion Depth (ft): 30
Well Tag No.: BPX653
Top of Well Casing Elevation (ft): 287.6
Datum: NAVD 88
Groundwater Depth Post Drilling (ft) (Date): 26.5 ( 12/22/23 )

| Depth (ft) | Sample Type | Sample No. | Graphic Symbol | Description | Water Level | Blows/6" | Blows/Foot (10 20 30 40 50+) | Well Construction |
|---|---|---|---|---|---|---|---|---|
| 75 | | 17 | | Moist, dark gray, SILT; occasional polished surfaces; light gray, sandy laminations (ML). | | 11 16 24 | 40 | Bentonite grout mixture 40 to 100 feet |
| 80 | | 18 | | Moist, dark gray, low to medium plasticity, cohesive, clayey, SILT; occasional light gray, sandy laminations (ML). | | 11 13 23 | 36 | |
| 85 | | 19 | | Moist, dark gray, medium plasticity, cohesive, clayey, SILT; occasional light gray laminations; thin zone (0.5 centimeters thick) of brecciated silt with polished surfaces (only showed in one spot) (ML). Swelling/Caving in borehole 85 to 95 feet ATD. | | 15 21 28 | 49 | |
| 90 | | 20 | | Moist, dark gray, medium plasticity, cohesive, clayey, SILT; massive; occasional light gray, sandy laminations (ML). | | 12 18 25 | 43 | |
| 95 | | 21 | | Moist, dark gray, medium plasticity; cohesive, clayey, SILT; occasional light gray, sandy laminations; massive (ML). | | 17 17 23 | 40 | |
| 100 | | 22 | | Moist, dark gray, medium to high plasticity, cohesive, clayey, SILT; massive (ML). | | 13 22 26 | 48 | |
| | | | | Groundwater encountered at 20 feet ATD. Post-development groundwater encountered at 26.50 feet BTC. | | | | |
| 105 | | | | | | | | |

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# Monitoring Well EB-5W

Arlington 360 — Sheet: 1 of 4

| | | |
|---|---|---|
| Arlington, WA | Start Date: 12/28/23 | Logged By: PL |
| 20230078E001 | Ending Date: 12/29/23 | Approved By: JHS |

Driller/Equipment: Holocene Drilling/D-50/Mud Rotary
Hammer Weight/Drop: 140#/30"
Hole Diameter (in): 8
Ground Surface Elevation (ft): 304
Water Level Elevation (ft): 282
Groundwater Depth ATD (ft): 35

Total Depth (ft): 131.5
Well Completion Depth (ft): 57
Well Tag No.: BPX656
Top of Well Casing Elevation (ft): 307
Datum: NAVD 88
Groundwater Depth Post Drilling (ft) (Date): ( )

| Depth (ft) | Sample Type | Sample No. | Graphic Symbol | Description | Water Level | Blows/6" | Blows/Foot (10 20 30 40 50+) | Well Construction |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | **Vashon Advance Outwash - Olympia Sand** | | | | Above ground monument<br>Casing stickup +3 feet<br>42 to 2 feet<br>3/8-inch bentonite chips 2 to 42 feet |
| | | 1 | | Very moist, brown and dark brown, silty, fine SAND, some gravel; faintly stratified; unsorted in tip of sampler (SM). | | 7<br>8<br>13 | 21 | |
| 5 | | 2 | | Moist, grayish brown, fine SAND, some silt; sand contains dark gray, silty laminations; stratified; sand contains minor mica (SP-SM). | | 11<br>11<br>9 | 20 | |
| | | 3 | | Moist, grayish brown, fine SAND, some silt; bed (0.5 inches thick) of brown silt; stratified; sand contains minor mica (SP-SM). | | 9<br>10<br>12 | 22 | |
| 10 | | 4 | | Moist, brown, fine SAND, some silt, some gravel; gravel in tip of sampler; blow counts overstated; poor recovery (SP-SM). | | 5<br>17<br>22 | 39 | |
| 15 | | 5 | | Upper 9 inches: Moist, brown, non-plastic, non-cohesive, SILT; banded orangish brown oxidation (ML).<br>Lower 9 inches: Moist, grayish brown, fine SAND, trace silt; band of reddish brown oxidation; stratified; contact between sand and silt is sharp; sand contains minor mica (SP). | | 10<br>21<br>22 | 43 | |
| 20 | | 6 | | Moist to very moist, grayish brown to brown, fine SAND, some silt; occasional laminations of brown silt; thin horizontal bands of dark brown to black staining; sand contains minor mica (SP- SM). | | 23<br>29<br>28 | 57 | 2-inch I.D. Sch 40 PVC casing +3 to 47 feet |
| 25 | | 7 | | Moist, grayish brown with dark orangish to reddish brown oxidation, fine SAND, some silt; faintly stratified; contains minor mica (SP-SM). | | 18<br>20<br>26 | 46 | |
| 30 | | 8 | | Moist, grayish brown, fine SAND, trace silt; occasional thin horizontal bands of dark gray to black staining; contains mica (SP). | | 19<br>25<br>26 | 51 | |
| 35 | | 9 | | **Olympia Lacustrine Deposits**<br>Wet, brown, fine SAND, some silt; beds and laminations of light brown silt; stratified; sand | ▼ | 18<br>24 | 57 | |

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# Monitoring Well EB-5W

Arlington 360 — Sheet: 2 of 4

| | | |
|---|---|---|
| Arlington, WA | Start Date: 12/28/23 | Logged By: PL |
| 20230078E001 | Ending Date: 12/29/23 | Approved By: JHS |

Driller/Equipment: Holocene Drilling/D-50/Mud Rotary
Hammer Weight/Drop: 140#/30"
Hole Diameter (in): 8
Ground Surface Elevation (ft): 304
Water Level Elevation (ft): 282
▼ Groundwater Depth ATD (ft): 35

Total Depth (ft): 131.5
Well Completion Depth (ft): 57
Well Tag No.: BPX656
Top of Well Casing Elevation (ft): 307
Datum: NAVD 88
▽ Groundwater Depth Post Drilling (ft) (Date): ( )

| Depth (ft) | Sample Type | Sample No. | Graphic Symbol | Description | Water Level | Blows/6" | Blows/Foot (10 20 30 40 50+) | Well Construction |
|---|---|---|---|---|---|---|---|---|
| | | | | contains mica (SP-SM). | | 33 | | |
| 40 | | 10 | | Wet, brownish gray, fine SAND, some silt; occasional brown laminations of silt; stratified; sand contains mica (SP-SM). | | 19 30 33 | 63 | Filter pack (#12/20 whole grain sand) 42 to 60 feet |
| 45 | | 11 | | Wet, brownish gray to gray with orangish brown oxidized banding, fine SAND, some silt; occasional laminations of grayish brown silt; stratified; sand contains mica (SP-SM). | | 25 30 40 | 70 | 2-inch I.D. Sch 40 PVC slotted well screen 0.010-inch slot width 47 to 57 feet |
| 50 | | 12 | | Wet, brownish gray, fine SAND, some silt; massive; occasional banded oxidation; contains mica (SP-SM). | | 25 25 29 | 54 | |
| 55 | | 13 | | Wet, dark gray, fine SAND, some silt; massive; contains mica (SP-SM). | | 25 30 33 | 63 | End cap |
| | | | | **Olympia Fine-Grained Deposits** | | | | |
| 60 | | 14 | | Moist, gray to dark gray, medium plasticity, cohesive, SILT to clayey, SILT; massive; occasional light gray laminations (ML). | | 15 19 32 | 51 | |
| 65 | | 15 | | Moist, gray to dark gray, medium plasticity, cohesive, clayey, SILT; massive; occasional light gray laminations; thin zone (1 centimeter thick) of brecciated silt (ML). | | 12 15 27 | 42 | |
| 70 | | 16 | | Moist, dark gray, medium plasticity, cohesive, clayey, SILT; massive (ML). | | 16 20 27 | 47 | |

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# Monitoring Well EB-5W

Arlington 360 — Sheet: 3 of 4

| | | |
|---|---|---|
| Arlington, WA | Start Date: 12/28/23 | Logged By: PL |
| 20230078E001 | Ending Date: 12/29/23 | Approved By: JHS |

Driller/Equipment: Holocene Drilling/D-50/Mud Rotary
Hammer Weight/Drop: 140#/30"
Hole Diameter (in): 8
Ground Surface Elevation (ft): 304
Water Level Elevation (ft): 282
Groundwater Depth ATD (ft): 35

Total Depth (ft): 131.5
Well Completion Depth (ft): 57
Well Tag No.: BPX656
Top of Well Casing Elevation (ft): 307
Datum: NAVD 88
Groundwater Depth Post Drilling (ft) (Date): ( )

| Depth (ft) | Sample Type | Sample No. | Graphic Symbol | Description | Water Level | Blows/6" | Blows/Foot (10 20 30 40 50+) | Well Construction |
|---|---|---|---|---|---|---|---|---|
| 75 | | 17 | | Moist to very moist, gray to dark gray, fine SAND, some silt; massive; contains mica; effervesces with hydrochloric acid (SP-SM). | | 28<br>31<br>50/6" | 50/6" | DRAFT |
| 80 | | 18 | | Moist, gray to dark gray, low to medium plasticity, cohesive, SILT ranging to clayey, SILT; massive (ML). | | 13<br>25<br>40 | 65 | |
| 85 | | 19 | | Moist, gray to dark gray, medium plasticity, cohesive, clayey, SILT; occasional light gray laminations; two thin beds (1 to 2 centimeters thick) of brecciated silt slicken side (ML). | | 13<br>23<br>26 | 49 | |
| 90 | | 20 | | Moist, gray to dark gray, medium plasticity, cohesive, clayey, SILT; occasional light gray laminations (ML). | | 16<br>29<br>37 | 66 | |
| 95 | | 21 | | Moist, gray to dark gray, medium plasticity, cohesive, clayey, SILT; occasional light gray laminations; low angle to horizontal bed (3 centimeters thick) of brecciated silt with slicken sides (ML). | | 14<br>25<br>38 | 63 | |
| 100 | | 22 | | Moist, gray to dark gray, medium plasticity, cohesive, clayey, SILT; occasional light gray laminations; horizontal bed (1 to 2 centimeters thick) of dark gray silt with slicken sides (ML). | | 14<br>18<br>27 | 45 | |
| 105 | | 23 | | Moist, gray to dark gray, medium plasticity, cohesive, clayey, SILT; occasional light gray laminations; bed (2 centimeters thick) of dark gray silt with low angle slicken sides (ML). | | 18<br>22<br>30 | 52 | |

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# Monitoring Well EB-5W

Arlington 360 — Sheet: 4 of 4

| | | |
|---|---|---|
| Arlington, WA | Start Date: 12/28/23 | Logged By: PL |
| 20230078E001 | Ending Date: 12/29/23 | Approved By: JHS |

Driller/Equipment: Holocene Drilling/D-50/Mud Rotary
Hammer Weight/Drop: 140#/30"
Hole Diameter (in): 8
Ground Surface Elevation (ft): 304
Water Level Elevation (ft): 282
Groundwater Depth ATD (ft): 35

Total Depth (ft): 131.5
Well Completion Depth (ft): 57
Well Tag No.: BPX656
Top of Well Casing Elevation (ft): 307
Datum: NAVD 88
Groundwater Depth Post Drilling (ft) (Date): ( )

| Depth (ft) | Sample Type | Sample No. | Graphic Symbol | Description | Water Level | Blows/6" | Blows/Foot (10 20 30 40 50+) | Well Construction |
|---|---|---|---|---|---|---|---|---|
| 110 | | 24 | | Moist, gray to dark gray, medium plasticity, cohesive, clayey, SILT; massive (ML). | | 15 15 21 | 36 | |
| 115 | | 25 | | Moist, gray to dark gray, medium plasticity, cohesive, clayey, SILT; occasional light gray laminations; two beds (1 to 2 inches thick) of dark gray brecciated silt with slicken sides (ML). | | 11 17 25 | 42 | DRAFT |
| 120 | | 26 | | Moist, gray and dark gray, medium plasticity, cohesive, clayey, SILT; light gray laminations; occasional low angle slicken sides; lower 6 inches of sample becomes thinly bedded with dark gray and olive gray, clayey, silt (ML). | | 14 19 28 | 47 | |
| 125 | | 27 | | Moist, dark gray and olive gray, medium plasticity, cohesive, clayey, SILT; contains a single sandy lamination with dark brown, fine organics (ML). | | 18 20 27 | 47 | |
| 130 | | 28 | | Moist, dark gray and olive gray, medium plasticity, cohesive, clayey, SILT; light gray, sandy laminations/ partings; brecciated/disturbed texture; fracture (45 degrees) with slicken sides (ML). | | 14 18 27 | 45 | |
| 135 | | | | Groundwater encountered at 35 feet ATD. Well completed adjacent to boring, approximately 10 feet northeast. Exploration boring completed using mud-rotary. Monitoring well completed using HSA. | | | | |
| 140 | | | | | | | | |
| 145 | | | | | | | | |

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# Monitoring Well EB-6SI

Arlington 360 — Sheet: 1 of 2

| | | |
|---|---|---|
| Arlington, WA | Start Date: 12/12/23 | Logged By: PL |
| 20230078E001 | Ending Date: 12/12/23 | Approved By: JHS |

Driller/Equipment: Holocene Drilling/D-50/Mud Rotary
Hammer Weight/Drop: 140#/30"
Hole Diameter (in): 5
Ground Surface Elevation (ft): ≈270
Water Level Elevation (ft): 10
Groundwater Depth ATD (ft): 10

Total Depth (ft): 51.5
Well Completion Depth (ft): 50
Well Tag No.: BPX652
Top of Well Casing Elevation (ft):
Datum: NAVD 88
Groundwater Depth Post Drilling (ft) (Date): ( )

| Depth (ft) | Sample Type | Sample No. | Graphic Symbol | Description | Water Level | Blows/6" | Blows/Foot (10 20 30 40 50+) | Well Construction |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | **Landslide Deposits**<br>Gravelly drilling. | | | | Above ground monument<br>Casing stickup +4.5 feet<br>Quick set concrete 0 to 1 feet<br>Grout (2:1 ratio portland cement to quick-gel bentonite grout) 1 to 50 feet |
| 5 | | 1 | | Moist, brownish gray, silty, fine SAND, some gravel; dark brown manganese staining; disturbed texture; fine organic inclusions (SM).<br>Smooth drilling. | | 18<br>25<br>33 | 58 | |
| 10 | | 2 | | Wet, brown, silty, fine SAND; massive; sand contains mica (SM). | ▼ | 7<br>5<br>7 | 12 | 2.75-inch PVC slope inclinometer casing |
| 15 | | 3 | | Wet, grayish brown to brown, gravelly, sandy, SILT; poor recovery; blow counts may be overstated due to gravel (ML). | | 14<br>14<br>17 | 31 | |
| 20 | | 4 | | Wet, grayish brown, very silty, fine SAND ranging to sandy, SILT; change in grain size is gradational between faint bedding; sand contains mica; layer of orangish brown to reddish brown mottled oxidation with sand; sampled using Cal- Mod (SM/ML). | | 9<br>13<br>15 | 28 | |
| 25 | | 5 | | Wet, grayish brown, silty, fine SAND; thin beds of sandy, silt; sharp contacts; silt beds (approximately 0.5 inches thick) are occasional (SM). | | 12<br>14<br>17 | 31 | |
| 30 | | 6 | | Moist, gray to dark gray, SILT; occasional light gray laminations (ML). | | 7<br>12<br>17 | 29 | |
| | | 7 | | Very moist, gray, very fine SAND, some silt; sand contains mica; fine black organics; 3/4-inch black wood fragment; bed of gray, clayey, silt in tip of sampler; clasts of silt within sand with oxidized ring; sampled using Cal-Mod (SP-SM). | | 17<br>27<br>31 | 58 | |
| 35 | | 8 | | | | 11<br>15 | 35 | |

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# Monitoring Well EB-6SI

Arlington 360 — Sheet: 2 of 2

| | | |
|---|---|---|
| Arlington, WA | Start Date: 12/12/23 | Logged By: PL |
| 20230078E001 | Ending Date: 12/12/23 | Approved By: JHS |

Driller/Equipment: Holocene Drilling/D-50/Mud Rotary
Hammer Weight/Drop: 140#/30"
Hole Diameter (in): 5
Ground Surface Elevation (ft): ≈270
Water Level Elevation (ft): 10
Groundwater Depth ATD (ft): 10

Total Depth (ft): 51.5
Well Completion Depth (ft): 50
Well Tag No.: BPX652
Top of Well Casing Elevation (ft):
Datum: NAVD 88
Groundwater Depth Post Drilling (ft) (Date): ( )

| Depth (ft) | Sample Type | Sample No. | Graphic Symbol | Description | Water Level | Blows/6" | Blows/Foot (10 20 30 40 50+) | Well Construction |
|---|---|---|---|---|---|---|---|---|
| | | | | Wet, gray to dark gray, sandy, SILT ranging to moist, gray, SILT; silt contains light gray, sandy partings; rare polished surfaces and fractures within silt (ML). | | 20 | | |
| | | | | **Olympia Fine-Grained Deposits** | | | | |
| 40 | | 9 | | Wet, dark gray, sandy, SILT; light gray sandy partings/ laminations; scattered mica; sampled using Cal-Mod (ML). | | 14 18 31 | 49 | |
| 45 | | 10 | | Moist, gray to dark gray, SILT; occasional light gray, sandy laminations; thin bed (approximately 0.25 inches thick) of dark gray, fractured silt; fractures appear to have pointed surfaces (ML). | | 13 21 33 | 54 | |
| 50 | | | | Moist, gray to dark gray, medium plasticity, cohesive, clayey, SILT; occasional light gray, sandy laminations/ partings (ML). | | | | Flat end cap |
| | | | | Groundwater encountered at 10 feet ATD. Post-drilling groundwater measurement not feasible due to mud-rotary drilling. Blow counts (Blows/Foot) from samples taken with a 2.5-inch outside diameter modified California (Cal-Mod) sampler have been adjusted to reflect standard 2-inch outside diameter SPT blow counts. | | | | |
| 55 | | | | | | | | |
| 60 | | | | | | | | |
| 65 | | | | | | | | |
| 70 | | | | | | | | |

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# Monitoring Well EB-7W

Arlington 360 — Sheet: 1 of 4

| | | |
|---|---|---|
| Arlington, WA | Start Date: 12/19/23 | Logged By: PL |
| 20230078E001 | Ending Date: 12/21/23 | Approved By: JHS |

Driller/Equipment: Holocene Drilling/D-50/Mud-Rotary
Hammer Weight/Drop: 140#/30"
Hole Diameter (in): 5
Ground Surface Elevation (ft): ≈360
Water Level Elevation (ft): 273.5
Groundwater Depth ATD (ft): 90

Total Depth (ft): 131.5
Well Completion Depth (ft): 100
Well Tag No.: BPX-655
Top of Well Casing Elevation (ft): 363.5
Datum: NAVD 88
Groundwater Depth Post Drilling (ft) (Date): ( )

| Depth (ft) | Sample Type | Sample No. | Graphic Symbol | Description | Water Level | Blows/6" | Blows/Foot (10 20 30 40 50+) | Well Construction |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | **Vashon Lodgement Till** | | | | Above ground monument<br>Casing stickup +3.5 feet<br>Concrete grout 0 to 2 feet<br>3/8-inch bentonite chips 2 to 87 feet |
| | | 1 | | Moist, dark orangish brown and grayish brown, silty, fine SAND, some gravel; fractured gravel in sampler; blow counts overstated; dark red fractured rock (SM). | | 33<br>50/5" | 50/5" | |
| 5 | | 2 | | Moist, brownish gray, silty, fine SAND, some gravel; unsorted (SM). | | 12<br>31<br>35 | 66 | |
| | | 3 | | Moist, brownish gray, silty, fine SAND, some gravel; unsorted (SM). | | 25<br>46<br>50/5" | 50/5" | |
| 10 | | 4 | | Moist, brownish gray, silty, fine SAND, some gravel; unsorted; zones of silty fine to medium sand (SM). | | 35<br>45<br>50/6" | 50/6" | 2-inch I.D. Sch 40 PVC casing +3.5 to 90 feet |
| | | | | **Vashon Advance Outwash - Olympia Sand**<br>Driller notes smooth drilling at 13-14 feet. | | | | |
| 15 | | 5 | | Moist, brownish gray, fine SAND, some silt, trace gravel; faintly stratified; contains mica (SP-SM). | | 6<br>9<br>18 | 27 | |
| 20 | | 6 | | Moist, brownish gray, fine SAND, some silt; massive; contains mica (SP-SM). | | 12<br>13<br>17 | 30 | |
| 25 | | 7 | | Moist, brownish gray, fine SAND, some silt; laminations of gray silty fine sand; stratified; contains mica (SP-SM). | | 12<br>31<br>24 | 55 | |
| 30 | | 8 | | Very moist, brownish gray, fine SAND, some silt; thinly banded oxidation bed (1 inch thick) of gray, silty, fine sand; stratified; contains mica (SP-SM). | | 15<br>18<br>27 | 45 | |
| | | | | Rock in boring obstructing lowered drill rods at approximately 12 feet; relocating boring 10 feet north; Relocated again drilling on another rock at 5 feet. | | | | |
| 35 | | 9 | | Moist to very moist, brownish gray, fine SAND, trace | | 23<br>43 | 50/5" | |

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# Monitoring Well EB-7W

Arlington 360 — Sheet: 2 of 4

| | | |
|---|---|---|
| Arlington, WA | Start Date: 12/19/23 | Logged By: PL |
| 20230078E001 | Ending Date: 12/21/23 | Approved By: JHS |

Driller/Equipment: Holocene Drilling/D-50/Mud-Rotary
Hammer Weight/Drop: 140#/30"
Hole Diameter (in): 5
Ground Surface Elevation (ft): ≈360
Water Level Elevation (ft): 273.5
▼ Groundwater Depth ATD (ft): 90

Total Depth (ft): 131.5
Well Completion Depth (ft): 100
Well Tag No.: BPX-655
Top of Well Casing Elevation (ft): 363.5
Datum: NAVD 88
▽ Groundwater Depth Post Drilling (ft) (Date): ( )

| Depth (ft) | Sample Type | Sample No. | Graphic Symbol | Description | Water Level | Blows/6" | Blows/Foot (10 20 30 40 50+) | Well Construction |
|---|---|---|---|---|---|---|---|---|
| | | | | silt; massive; thin bands of grayish brown oxidation; contains mica (SP). | | 50/5" | | |
| 40 | | 10 | | Moist to very moist, brownish gray, fine SAND, some silt; occasional thin bands of orangish brown oxidation; contains mica (SP-SM). | | 21<br>25<br>33 | 58 | 3/8-inch bentonite chips 2 to 87 feet |
| 45 | | 11 | | Moist, brownish gray, fine to very fine SAND, some silt; contains mica (SP-SM). | | 25<br>37<br>36 | 73 | |
| 50 | | 12 | | Very moist, brownish gray, fine SAND, some silt; bed (1 to 2 inches thick) of silty, fine sand; gradational contacts; stratified; contains mica; thin bands of brown and orangish brown oxidation (SP-SM). | | 15<br>28<br>40 | 68 | |
| 55 | | 13 | | Very moist, brownish gray, fine SAND, some silt; bed (0.5 inches thick) of silty, fine sand; band of orangish brown oxidation above bed of silty, fine sand; stratified; contains mica (SP-SM). | | 26<br>36<br>33 | 69 | |
| | | | | **Olympia Lacustrine Deposits** | | | | |
| 60 | | 14 | | Upper 12 inches: Very moist, brownish gray, fine SAND, trace silt; contains mica; banded orangish brown oxidation (SP-SM).<br>Lower 6 inches: Moist, brown, low plasticity, cohesive, SILT; sharp contact with sand (ML). | | 21<br>38<br>28 | 66 | |
| 65 | | 15 | | Very moist, brownish gray, fine SAND, trace silt; massive; contains mica (SP). | | 21<br>27<br>27 | 54 | |
| 70 | | 16 | | Very moist, brownish gray, fine SAND, some silt; massive; contains mica; thin bands of oxidation (SP-SM). | | 22<br>32<br>39 | 71 | |

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# Monitoring Well EB-7W

Arlington 360 — Sheet: 3 of 4

| | | |
|---|---|---|
| Arlington, WA | Start Date: 12/19/23 | Logged By: PL |
| 20230078E001 | Ending Date: 12/21/23 | Approved By: JHS |

Driller/Equipment: Holocene Drilling/D-50/Mud-Rotary
Hammer Weight/Drop: 140#/30"
Hole Diameter (in): 5
Ground Surface Elevation (ft): ≈360
Water Level Elevation (ft): 273.5
▼ Groundwater Depth ATD (ft): 90

Total Depth (ft): 131.5
Well Completion Depth (ft): 100
Well Tag No.: BPX-655
Top of Well Casing Elevation (ft): 363.5
Datum: NAVD 88
▽ Groundwater Depth Post Drilling (ft) (Date): ( )

| Depth (ft) | Sample Type | Sample No. | Graphic Symbol | Description | Water Level | Blows/6" | Blows/Foot (10 20 30 40 50+) | Well Construction |
|---|---|---|---|---|---|---|---|---|
| 75 | | 17 | | Wet, brownish gray, fine SAND, trace silt interbedded with moist, gray, low plasticity, cohesive, silt; stratified; sand contains mica (SP/ML). | | 18<br>21<br>38 | 59 | |
| | | | | Gravelly drilling. | | | | |
| 80 | | 18 | | Very moist, brownish gray, fine SAND, some silt; massive; contains mica (SP-SM). | | 36<br>40<br>50/5" | 50/5" | |
| 85 | | 19 | | Moist to very moist, brownish gray to gray, fine SAND, some silt; massive; contains mica (SP-SM). | | 35<br>40<br>50/5" | 50/5" | 12/20 filter pack sand 87 to 105 feet |
| 90 | | 20 | | Very moist to wet, brownish gray to gray, fine SAND, some silt; massive; contains mica; thin banded brown to orangish brown oxidation; little to no free water; water visible when tapping the sampler tube (SP-SM). | ▼ | 25<br>45<br>50/5" | 50/5" | 2-inch I.D. Sch 40 PVC slotted well screen 0.010-inch slot width 90 to 100 feet |
| | | | | **Olympia Fine-Grained Deposits** | | | | |
| 95 | | 21 | | Moist, gray and dark gray, medium plasticity, cohesive, clayey, SILT; beds of sandy, silt; light gray, sandy laminations; bed of gray, fine sand, trace silt in tip of sampler; stratified (ML). | | 20<br>27<br>45 | 72 | |
| 100 | | 22 | | Wet, dark gray, fine SAND, some silt interbedded with moist, dark gray, medium plasticity, cohesive, clayey, silt; sand contains dark brown organic laminations; sand contains mica; stratified (SP-SM/ML). | | 22<br>33<br>41 | 74 | Threaded flat endcap |
| 105 | | 23 | | Moist, gray to dark gray, medium plasticity, cohesive, clayey, SILT; light gray sand laminations; thin beds of wet, dark gray, fine sand, some silt; beds of wet, dark gray, low plasticity, cohesive, sandy, silt; stratified; sand contains mica (ML). | | 21<br>25<br>36 | 61 | 3/8-inch bentonite chips |

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# Monitoring Well EB-7W

Arlington 360 — Sheet: 4 of 4

| | | |
|---|---|---|
| Arlington, WA | Start Date: 12/19/23 | Logged By: PL |
| 20230078E001 | Ending Date: 12/21/23 | Approved By: JHS |

Driller/Equipment: Holocene Drilling/D-50/Mud-Rotary
Hammer Weight/Drop: 140#/30"
Hole Diameter (in): 5
Ground Surface Elevation (ft): ≈360
Water Level Elevation (ft): 273.5
Groundwater Depth ATD (ft): 90

Total Depth (ft): 131.5
Well Completion Depth (ft): 100
Well Tag No.: BPX-655
Top of Well Casing Elevation (ft): 363.5
Datum: NAVD 88
Groundwater Depth Post Drilling (ft) (Date): ( )

| Depth (ft) | Sample Type | Sample No. | Graphic Symbol | Description | Water Level | Blows/6" | Blows/Foot (10 20 30 40 50+) | Well Construction |
|---|---|---|---|---|---|---|---|---|
| 110 | | 24 | | Moist, dark gray, medium plasticity, cohesive, clayey, SILT; occasional light gray, sandy laminations; bed of wet, dark gray, non-plastic, non-cohesive, sandy, silt; stratified (ML). | | 22 28 30 | 58 | |
| 115 | | 25 | | Wet, dark gray, non-plastic, non- cohesive, sandy, SILT; bed (3 inches thick) of moist, dark gray, medium plasticity, cohesive, clayey, silt; stratified (ML). | | 24 38 38 | 76 | |
| 120 | | 26 | | Moist, dark gray, medium plasticity, cohesive, clayey, SILT ranging to very moist, non-plastic, non-cohesive, sandy, SILT; gradational contacts (ML). | | 27 36 46 | 82 | Bentonite gel grout |
| 125 | | 27 | | Very moist, dark gray, very silty, fine SAND; massive; contains mica (SM). | | 22 36 47 | 83 | |
| 130 | | 28 | | Moist, dark gray, low plasticity, cohesive, SILT; massive (ML). | | 20 37 50/6" | 50/6" | |
| | | | | Groundwater encountered at 90 feet ATD. | | | | |
| 135 | | | | | | | | |
| 140 | | | | | | | | |
| 145 | | | | | | | | |

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# APPENDIX C

# GROUNDWATER DATA

Seasonal Groundwater Monitoring

Project Name Arlington 360

Project Number T-9011

| Logger Install Data | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| B-101 | | B-104 | | B-107 | | B-109 | | | |
| Depth of Logger Below top of PVC | 47 | Depth of Logger Below top of PVC | 48.3 | Depth of Logger Below top of PVC | 49.2 | Depth of Logger Below top of PVC | 42 | Depth of Logger Below top of PVC | |
| Depth of PVC from Grade | 0.38 | Depth of PVC from Grade | 0.04 | Depth of PVC from Grade | 0.27 | Depth of PVC from Grade | 0.21 | Depth of PVC from Grade | |
| Depth of Logger from Grade | 47.38 | Depth of Logger from Grade | 48.34 | Depth of Logger from Grade | 49.47 | Depth of Logger from Grade | 42.21 | Depth of Logger from Grade | 0 |

| | | | B-101 | | | B-104 | | | B-107 | | | B-109 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Time | BaraLogger | Raw Data | Compenstated Data | Depth Below Grade | Raw Data | Compenstated Data | Depth Below Grade | Raw Data | Compenstated Data | Depth Below Grade | Raw Data | Compenstated Data | Depth Below Grade |
| 12/1/2024 | 12:00:00 AM | 34.01523 | 52.25704 | 18.24181 | 29.13819 | 36.5542 | 2.53897 | 45.80103 | 33.85949 | -0.15574 | 49.62574 | 44.64849 | 10.63326 | 31.57674 |
| 12/1/2024 | 1:00:00 AM | 33.98513 | 52.25704 | 18.27191 | 29.10809 | 36.55062 | 2.56549 | 45.77451 | 33.85586 | -0.12927 | 49.59927 | 44.61278 | 10.62765 | 31.58235 |
| 12/1/2024 | 2:00:00 AM | 33.9751 | 52.24632 | 18.27122 | 29.10878 | 36.5542 | 2.5791 | 45.7609 | 33.85586 | -0.11924 | 49.58924 | 44.56992 | 10.59482 | 31.61518 |
| 12/1/2024 | 3:00:00 AM | 33.96841 | 52.26062 | 18.29221 | 29.08779 | 36.5542 | 2.58579 | 45.75421 | 33.85586 | -0.11255 | 49.58255 | 44.52349 | 10.55508 | 31.65492 |
| 12/1/2024 | 4:00:00 AM | 33.94835 | 52.24989 | 18.30154 | 29.07846 | 36.55778 | 2.60943 | 45.73057 | 33.85223 | -0.09612 | 49.56612 | 44.48778 | 10.53943 | 31.67057 |
| 12/1/2024 | 5:00:00 AM | 33.94166 | 52.24632 | 18.30466 | 29.07534 | 36.5542 | 2.61254 | 45.72746 | 33.84859 | -0.09307 | 49.56307 | 44.46278 | 10.52112 | 31.68888 |
| 12/1/2024 | 6:00:00 AM | 33.93497 | 52.25704 | 18.32207 | 29.05793 | 36.55062 | 2.61565 | 45.72435 | 33.84859 | -0.08638 | 49.55638 | 44.4235 | 10.48853 | 31.72147 |
| 12/1/2024 | 7:00:00 AM | 33.945 | 52.27135 | 18.32635 | 29.05365 | 36.55062 | 2.60562 | 45.73438 | 33.85223 | -0.09277 | 49.56277 | 44.35564 | 10.41064 | 31.79936 |
| 12/1/2024 | 8:00:00 AM | 33.94835 | 52.27135 | 18.323 | 29.057 | 36.55062 | 2.60227 | 45.73773 | 33.85949 | -0.08886 | 49.55886 | 44.34136 | 10.39301 | 31.81699 |
| 12/1/2024 | 9:00:00 AM | 33.94835 | 52.28208 | 18.33373 | 29.04627 | 36.54704 | 2.59869 | 45.74131 | 33.85949 | -0.08886 | 49.55886 | 44.33421 | 10.38586 | 31.82414 |
| 12/1/2024 | 10:00:00 AM | 33.95838 | 52.27493 | 18.31655 | 29.06345 | 36.54704 | 2.58866 | 45.75134 | 33.85949 | -0.09889 | 49.56889 | 44.18422 | 10.22584 | 31.98416 |
| 12/1/2024 | 11:00:00 AM | 33.96507 | 52.27135 | 18.30628 | 29.07372 | 36.54346 | 2.57839 | 45.76161 | 33.86313 | -0.10194 | 49.57194 | 44.19136 | 10.22629 | 31.98371 |
| 12/1/2024 | 12:00:00 PM | 33.97176 | 52.25704 | 18.28528 | 29.09472 | 36.54704 | 2.57528 | 45.76472 | 33.84859 | -0.12317 | 49.59317 | 44.16993 | 10.19817 | 32.01183 |
| 12/1/2024 | 1:00:00 PM | 33.95838 | 52.23916 | 18.28078 | 29.09922 | 36.54704 | 2.58866 | 45.75134 | 33.83769 | -0.12069 | 49.59069 | 44.13065 | 10.17227 | 32.03773 |
| 12/1/2024 | 2:00:00 PM | 33.93497 | 52.22844 | 18.29347 | 29.08653 | 36.5363 | 2.60133 | 45.73867 | 33.83406 | -0.10091 | 49.57091 | 44.10922 | 10.17425 | 32.03575 |
| 12/1/2024 | 3:00:00 PM | 33.9216 | 52.24274 | 18.32114 | 29.05886 | 36.54704 | 2.62544 | 45.71456 | 33.83406 | -0.08754 | 49.55754 | 44.07708 | 10.15548 | 32.05452 |
| 12/1/2024 | 4:00:00 PM | 33.91825 | 52.24274 | 18.32449 | 29.05551 | 36.53988 | 2.62163 | 45.71837 | 33.83406 | -0.08419 | 49.55419 | 44.04494 | 10.12669 | 32.08331 |
| 12/1/2024 | 5:00:00 PM | 33.91825 | 52.26062 | 18.34237 | 29.03763 | 36.5363 | 2.61805 | 45.72195 | 33.83406 | -0.08419 | 49.55419 | 44.02708 | 10.10883 | 32.10117 |
| 12/1/2024 | 6:00:00 PM | 33.91491 | 52.26062 | 18.34571 | 29.03429 | 36.5363 | 2.62139 | 45.71861 | 33.83406 | -0.08085 | 49.55085 | 44.02708 | 10.11217 | 32.09783 |
| 12/1/2024 | 7:00:00 PM | 33.9216 | 52.2642 | 18.3426 | 29.0374 | 36.53272 | 2.61112 | 45.72888 | 33.84859 | -0.07301 | 49.54301 | 44.02708 | 10.10548 | 32.10452 |
| 12/1/2024 | 8:00:00 PM | 33.92494 | 52.28208 | 18.35714 | 29.02286 | 36.53272 | 2.60778 | 45.73222 | 33.85223 | -0.07271 | 49.54271 | 44.02708 | 10.10214 | 32.10786 |
| 12/1/2024 | 9:00:00 PM | 33.94166 | 52.28923 | 18.34757 | 29.03243 | 36.53272 | 2.59106 | 45.74894 | 33.85586 | -0.0858 | 49.5558 | 44.03065 | 10.08899 | 32.12101 |
| 12/1/2024 | 10:00:00 PM | 33.94835 | 52.29281 | 18.34446 | 29.03554 | 36.5363 | 2.58795 | 45.75205 | 33.86313 | -0.08522 | 49.55522 | 44.04494 | 10.09659 | 32.11341 |
| 12/1/2024 | 11:00:00 PM | 33.95504 | 52.30353 | 18.34849 | 29.03151 | 36.5363 | 2.58126 | 45.75874 | 33.8704 | -0.08464 | 49.55464 | 44.0378 | 10.08276 | 32.12724 |
| 12/2/2024 | 12:00:00 AM | 33.96172 | 52.31069 | 18.34897 | 29.03103 | 36.53988 | 2.57816 | 45.76184 | 33.8813 | -0.08042 | 49.55042 | 44.04494 | 10.08322 | 32.12678 |
| 12/2/2024 | 1:00:00 AM | 33.97176 | 52.31784 | 18.34608 | 29.03392 | 36.53988 | 2.56812 | 45.77188 | 33.8813 | -0.09046 | 49.56046 | 44.05208 | 10.08032 | 32.12968 |
| 12/2/2024 | 2:00:00 AM | 33.97176 | 52.31426 | 18.3425 | 29.0375 | 36.53988 | 2.56812 | 45.77188 | 33.87767 | -0.09409 | 49.56409 | 44.04494 | 10.07318 | 32.13682 |
| 12/2/2024 | 3:00:00 AM | 33.97176 | 52.31069 | 18.33893 | 29.04107 | 36.54704 | 2.57528 | 45.76472 | 33.87767 | -0.09409 | 49.56409 | 44.05208 | 10.08032 | 32.12968 |
| 12/2/2024 | 4:00:00 AM | 33.9751 | 52.30711 | 18.33201 | 29.04799 | 36.55062 | 2.57552 | 45.76448 | 33.87767 | -0.09743 | 49.56743 | 44.04851 | 10.07341 | 32.13659 |
| 12/2/2024 | 5:00:00 AM | 33.9751 | 52.31426 | 18.33916 | 29.04084 | 36.55062 | 2.57552 | 45.76448 | 33.88857 | -0.08653 | 49.55653 | 44.04851 | 10.07341 | 32.13659 |
| 12/2/2024 | 6:00:00 AM | 33.98179 | 52.33214 | 18.35035 | 29.02965 | 36.55062 | 2.56883 | 45.77117 | 33.88857 | -0.09322 | 49.56322 | 44.06637 | 10.08458 | 32.12542 |
| 12/2/2024 | 7:00:00 AM | 33.99182 | 52.35002 | 18.3582 | 29.0218 | 36.55062 | 2.5588 | 45.7812 | 33.89947 | -0.09235 | 49.56235 | 44.06637 | 10.07455 | 32.13545 |
| 12/2/2024 | 8:00:00 AM | 34.0052 | 52.35717 | 18.35197 | 29.02803 | 36.56136 | 2.55616 | 45.78384 | 33.9031 | -0.1021 | 49.5721 | 44.06637 | 10.06117 | 32.14883 |
| 12/2/2024 | 9:00:00 AM | 34.01523 | 52.35717 | 18.34194 | 29.03806 | 36.55778 | 2.54255 | 45.79745 | 33.91401 | -0.10122 | 49.57122 | 44.07708 | 10.06185 | 32.14815 |
| 12/2/2024 | 10:00:00 AM | 34.0286 | 52.3679 | 18.3393 | 29.0407 | 36.56494 | 2.53634 | 45.80366 | 33.91764 | -0.11096 | 49.58096 | 44.07708 | 10.04848 | 32.16152 |
| 12/2/2024 | 11:00:00 AM | 34.03864 | 52.36075 | 18.32211 | 29.05789 | 36.53272 | 2.49408 | 45.84592 | 33.91037 | -0.12827 | 49.59827 | 44.07708 | 10.03844 | 32.17156 |
| 12/2/2024 | 12:00:00 PM | 34.04198 | 52.35717 | 18.31519 | 29.06481 | 36.5184 | 2.47642 | 45.86358 | 33.91764 | -0.12434 | 49.59434 | 44.07708 | 10.0351 | 32.1749 |
| 12/2/2024 | 1:00:00 PM | 34.03864 | 52.35717 | 18.31853 | 29.06147 | 36.52198 | 2.48334 | 45.85666 | 33.91037 | -0.12827 | 49.59827 | 44.07351 | 10.03487 | 32.17513 |
| 12/2/2024 | 2:00:00 PM | 34.02526 | 52.36075 | 18.33549 | 29.04451 | 36.5184 | 2.49314 | 45.84686 | 33.91401 | -0.11125 | 49.58125 | 44.08065 | 10.05539 | 32.15461 |
| 12/2/2024 | 3:00:00 PM | 34.01857 | 52.36075 | 18.34218 | 29.03782 | 36.52556 | 2.50699 | 45.83301 | 33.92491 | -0.09366 | 49.56366 | 44.08422 | 10.06565 | 32.14435 |
| 12/2/2024 | 4:00:00 PM | 34.01523 | 52.37863 | 18.3634 | 29.0166 | 36.52914 | 2.51391 | 45.82609 | 33.92491 | -0.09032 | 49.56032 | 44.09137 | 10.07614 | 32.13386 |
| 12/2/2024 | 5:00:00 PM | 34.01523 | 52.37505 | 18.35982 | 29.02018 | 36.52914 | 2.51391 | 45.82609 | 33.91764 | -0.09759 | 49.56759 | 44.08422 | 10.06899 | 32.14101 |
| 12/2/2024 | 6:00:00 PM | 34.02526 | 52.38578 | 18.36052 | 29.01948 | 36.53272 | 2.50746 | 45.83254 | 33.93218 | -0.09308 | 49.56308 | 44.08779 | 10.06253 | 32.14747 |
| 12/2/2024 | 7:00:00 PM | 34.02192 | 52.38936 | 18.36744 | 29.01256 | 36.53988 | 2.51796 | 45.82204 | 33.93218 | -0.08974 | 49.55974 | 44.08779 | 10.06587 | 32.14413 |
| 12/2/2024 | 8:00:00 PM | 34.03195 | 52.38578 | 18.35383 | 29.02617 | 36.5184 | 2.48645 | 45.85355 | 33.92491 | -0.10704 | 49.57704 | 44.09137 | 10.05942 | 32.15058 |
| 12/2/2024 | 9:00:00 PM | 34.03864 | 52.38936 | 18.35072 | 29.02928 | 36.50408 | 2.46544 | 45.87456 | 33.93218 | -0.10646 | 49.57646 | 44.09137 | 10.05273 | 32.15727 |
| 12/2/2024 | 10:00:00 PM | 34.04198 | 52.40009 | 18.35811 | 29.02189 | 36.48261 | 2.44063 | 45.89937 | 33.94308 | -0.0989 | 49.5689 | 44.10565 | 10.06367 | 32.14633 |
| 12/2/2024 | 11:00:00 PM | 34.05536 | 52.41439 | 18.35903 | 29.02097 | 36.47903 | 2.42367 | 45.91633 | 33.95398 | -0.10138 | 49.57138 | 44.10208 | 10.04672 | 32.16328 |
| 12/3/2024 | 12:00:00 AM | 34.0587 | 52.41439 | 18.35569 | 29.02431 | 36.43607 | 2.37737 | 45.96263 | 33.95035 | -0.10835 | 49.57835 | 44.10565 | 10.04695 | 32.16305 |
| 12/3/2024 | 1:00:00 AM | 34.05201 | 52.40009 | 18.34808 | 29.03192 | 36.41817 | 2.36616 | 45.97384 | 33.95035 | -0.10166 | 49.57166 | 44.09851 | 10.0465 | 32.1635 |
| 12/3/2024 | 2:00:00 AM | 34.04867 | 52.39651 | 18.34784 | 29.03216 | 36.40744 | 2.35877 | 45.98123 | 33.94308 | -0.10559 | 49.57559 | 44.10922 | 10.06055 | 32.14945 |
| 12/3/2024 | 3:00:00 AM | 34.04867 | 52.40009 | 18.35142 | 29.02858 | 36.40386 | 2.35519 | 45.98481 | 33.94308 | -0.10559 | 49.57559 | 44.10565 | 10.05698 | 32.15302 |
| 12/3/2024 | 4:00:00 AM | 34.04867 | 52.40009 | 18.35142 | 29.02858 | 36.40028 | 2.35161 | 45.98839 | 33.93945 | -0.10922 | 49.57922 | 44.09851 | 10.04984 | 32.16016 |
| 12/3/2024 | 5:00:00 AM | 34.04198 | 52.40724 | 18.36526 | 29.01474 | 36.42175 | 2.37977 | 45.96023 | 33.94671 | -0.09527 | 49.56527 | 44.09851 | 10.05653 | 32.15347 |
| 12/3/2024 | 6:00:00 AM | 34.03864 | 52.41082 | 18.37218 | 29.00782 | 36.43965 | 2.40101 | 45.93899 | 33.93581 | -0.10283 | 49.57283 | 44.09851 | 10.05987 | 32.15013 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/3/2024 | 7:00:00 AM | 34.03864 | 52.40724 | 18.3686 | 29.0114 | 36.45755 | 2.41891 | 45.92109 | 33.93945 | -0.09919 | 49.56919 | 44.10208 | 10.06344 | 32.14656 |
| 12/3/2024 | 8:00:00 AM | 34.04198 | 52.41439 | 18.37241 | 29.00759 | 36.45039 | 2.40841 | 45.93159 | 33.94308 | -0.0989 | 49.5689 | 44.09851 | 10.05653 | 32.15347 |
| 12/3/2024 | 9:00:00 AM | 34.04532 | 52.41439 | 18.36907 | 29.01093 | 36.46113 | 2.41581 | 45.92419 | 33.93581 | -0.10951 | 49.57951 | 44.09137 | 10.04605 | 32.16395 |
| 12/3/2024 | 10:00:00 AM | 34.04867 | 52.41439 | 18.36572 | 29.01428 | 36.45397 | 2.4053 | 45.9347 | 33.93581 | -0.11286 | 49.58286 | 44.09851 | 10.04984 | 32.16016 |
| 12/3/2024 | 11:00:00 AM | 34.05201 | 52.41439 | 18.36238 | 29.01762 | 36.45755 | 2.40554 | 45.93446 | 33.93945 | -0.11256 | 49.58256 | 44.09494 | 10.04293 | 32.16707 |
| 12/3/2024 | 12:00:00 PM | 34.03864 | 52.40009 | 18.36145 | 29.01855 | 36.45397 | 2.41533 | 45.92467 | 33.93581 | -0.10283 | 49.57283 | 44.08422 | 10.04558 | 32.16442 |
| 12/3/2024 | 1:00:00 PM | 34.0286 | 52.39651 | 18.36791 | 29.01209 | 36.46113 | 2.43253 | 45.90747 | 33.92491 | -0.10369 | 49.57369 | 44.08422 | 10.05562 | 32.15438 |
| 12/3/2024 | 2:00:00 PM | 34.01857 | 52.39294 | 18.37437 | 29.00563 | 36.47545 | 2.45688 | 45.88312 | 33.92491 | -0.09366 | 49.56366 | 44.07708 | 10.05851 | 32.15149 |
| 12/3/2024 | 3:00:00 PM | 34.01188 | 52.39294 | 18.38106 | 28.99894 | 36.48619 | 2.47431 | 45.86569 | 33.92128 | -0.0906 | 49.5606 | 44.07708 | 10.0652 | 32.1448 |
| 12/3/2024 | 4:00:00 PM | 34.01188 | 52.40366 | 18.39178 | 28.98822 | 36.48977 | 2.47789 | 45.86211 | 33.91764 | -0.09424 | 49.56424 | 44.07351 | 10.06163 | 32.14837 |
| 12/3/2024 | 5:00:00 PM | 34.01857 | 52.41082 | 18.39225 | 28.98775 | 36.48977 | 2.4712 | 45.8688 | 33.92128 | -0.09729 | 49.56729 | 44.07708 | 10.05851 | 32.15149 |
| 12/3/2024 | 6:00:00 PM | 34.00854 | 52.40009 | 18.39155 | 28.98845 | 36.49334 | 2.4848 | 45.8552 | 33.92128 | -0.08726 | 49.55726 | 44.06994 | 10.0614 | 32.1486 |
| 12/3/2024 | 7:00:00 PM | 34.01188 | 52.40009 | 18.38821 | 28.99179 | 36.5005 | 2.48862 | 45.85138 | 33.92491 | -0.08697 | 49.55697 | 44.06637 | 10.05449 | 32.15551 |
| 12/3/2024 | 8:00:00 PM | 34.01857 | 52.40009 | 18.38152 | 28.99848 | 36.49692 | 2.47835 | 45.86165 | 33.91764 | -0.10093 | 49.57093 | 44.07708 | 10.05851 | 32.15149 |
| 12/3/2024 | 9:00:00 PM | 34.01857 | 52.40366 | 18.38509 | 28.99491 | 36.5005 | 2.48193 | 45.85807 | 33.92491 | -0.09366 | 49.56366 | 44.07708 | 10.05851 | 32.15149 |
| 12/3/2024 | 10:00:00 PM | 34.0286 | 52.41439 | 18.38579 | 28.99421 | 36.5184 | 2.4898 | 45.8502 | 33.92491 | -0.10369 | 49.57369 | 44.07351 | 10.04491 | 32.16509 |
| 12/3/2024 | 11:00:00 PM | 34.0286 | 52.41797 | 18.38937 | 28.99063 | 36.5363 | 2.5077 | 45.8323 | 33.92854 | -0.10006 | 49.57006 | 44.06994 | 10.04134 | 32.16866 |
| 12/4/2024 | 12:00:00 AM | 34.03195 | 52.42154 | 18.38959 | 28.99041 | 36.53988 | 2.50793 | 45.83207 | 33.93218 | -0.09977 | 49.56977 | 44.08065 | 10.0487 | 32.1613 |
| 12/4/2024 | 1:00:00 AM | 34.02192 | 52.40724 | 18.38532 | 28.99468 | 36.54704 | 2.52512 | 45.81488 | 33.92854 | -0.09338 | 49.56338 | 44.08065 | 10.05873 | 32.15127 |
| 12/4/2024 | 2:00:00 AM | 34.02192 | 52.40366 | 18.38174 | 28.99826 | 36.55062 | 2.5287 | 45.8113 | 33.92854 | -0.09338 | 49.56338 | 44.07351 | 10.05159 | 32.15841 |
| 12/4/2024 | 3:00:00 AM | 34.02192 | 52.40366 | 18.38174 | 28.99826 | 36.5542 | 2.53228 | 45.80772 | 33.92491 | -0.09701 | 49.56701 | 44.06637 | 10.04445 | 32.16555 |
| 12/4/2024 | 4:00:00 AM | 34.00854 | 52.38936 | 18.38082 | 28.99918 | 36.54704 | 2.5385 | 45.8015 | 33.91037 | -0.09817 | 49.56817 | 44.0628 | 10.05426 | 32.15574 |
| 12/4/2024 | 5:00:00 AM | 34.0052 | 52.39651 | 18.39131 | 28.98869 | 36.54704 | 2.54184 | 45.79816 | 33.90674 | -0.09846 | 49.56846 | 44.06637 | 10.06117 | 32.14883 |
| 12/4/2024 | 6:00:00 AM | 34.0052 | 52.39651 | 18.39131 | 28.98869 | 36.55062 | 2.54542 | 45.79458 | 33.9031 | -0.1021 | 49.5721 | 44.05922 | 10.05402 | 32.15598 |
| 12/4/2024 | 7:00:00 AM | 33.99516 | 52.38936 | 18.3942 | 28.9858 | 36.55062 | 2.55546 | 45.78454 | 33.89584 | -0.09932 | 49.56932 | 44.05208 | 10.05692 | 32.15308 |
| 12/4/2024 | 8:00:00 AM | 33.99182 | 52.38936 | 18.39754 | 28.98246 | 36.54704 | 2.55522 | 45.78478 | 33.89584 | -0.09598 | 49.56598 | 44.04494 | 10.05312 | 32.15688 |
| 12/4/2024 | 9:00:00 AM | 33.99516 | 52.39294 | 18.39778 | 28.98222 | 36.54346 | 2.5483 | 45.7917 | 33.89584 | -0.09932 | 49.56932 | 44.04494 | 10.04978 | 32.16022 |
| 12/4/2024 | 10:00:00 AM | 33.99182 | 52.38936 | 18.39754 | 28.98246 | 36.54346 | 2.55164 | 45.78836 | 33.8922 | -0.09962 | 49.56962 | 44.04137 | 10.04955 | 32.16045 |
| 12/4/2024 | 11:00:00 AM | 33.99851 | 52.38936 | 18.39085 | 28.98915 | 36.53988 | 2.54137 | 45.79863 | 33.88857 | -0.10994 | 49.57994 | 44.03422 | 10.03571 | 32.17429 |
| 12/4/2024 | 12:00:00 PM | 34.00185 | 52.37148 | 18.36963 | 29.01037 | 36.53988 | 2.53803 | 45.80197 | 33.8813 | -0.12055 | 49.59055 | 44.03422 | 10.03237 | 32.17763 |
| 12/4/2024 | 1:00:00 PM | 33.98513 | 52.36075 | 18.37562 | 29.00438 | 36.53272 | 2.54759 | 45.79241 | 33.8813 | -0.10383 | 49.57383 | 44.01994 | 10.03481 | 32.17519 |
| 12/4/2024 | 2:00:00 PM | 33.96172 | 52.36433 | 18.40261 | 28.97739 | 36.5363 | 2.57458 | 45.76542 | 33.8704 | -0.09132 | 49.56132 | 44.01637 | 10.05465 | 32.15535 |
| 12/4/2024 | 3:00:00 PM | 33.94166 | 52.34645 | 18.40479 | 28.97521 | 36.52556 | 2.5839 | 45.7561 | 33.85949 | -0.08217 | 49.55217 | 44.00565 | 10.06399 | 32.14601 |
| 12/4/2024 | 4:00:00 PM | 33.9216 | 52.33214 | 18.41054 | 28.96946 | 36.52914 | 2.60754 | 45.73246 | 33.83769 | -0.08391 | 49.55391 | 43.98423 | 10.06263 | 32.14737 |
| 12/4/2024 | 5:00:00 PM | 33.89484 | 52.31784 | 18.423 | 28.957 | 36.51482 | 2.61998 | 45.72002 | 33.82315 | -0.07169 | 49.54169 | 43.97708 | 10.08224 | 32.12776 |
| 12/4/2024 | 6:00:00 PM | 33.88481 | 52.30353 | 18.41872 | 28.96128 | 36.51482 | 2.63001 | 45.70999 | 33.80862 | -0.07619 | 49.54619 | 43.96637 | 10.08156 | 32.12844 |
| 12/4/2024 | 7:00:00 PM | 33.88481 | 52.31784 | 18.43303 | 28.94697 | 36.51124 | 2.62643 | 45.71357 | 33.81225 | -0.07256 | 49.54256 | 43.96637 | 10.08156 | 32.12844 |
| 12/4/2024 | 8:00:00 PM | 33.91156 | 52.34645 | 18.43489 | 28.94511 | 36.50766 | 2.5961 | 45.7439 | 33.82315 | -0.08841 | 49.55841 | 43.96637 | 10.05481 | 32.15519 |
| 12/4/2024 | 9:00:00 PM | 33.93163 | 52.37505 | 18.44342 | 28.93658 | 36.50766 | 2.57603 | 45.76397 | 33.84859 | -0.08304 | 49.55304 | 43.98066 | 10.04903 | 32.16097 |
| 12/4/2024 | 10:00:00 PM | 33.93832 | 52.37148 | 18.43316 | 28.94684 | 36.50766 | 2.56934 | 45.77066 | 33.85223 | -0.08609 | 49.55609 | 43.97708 | 10.03876 | 32.17124 |
| 12/4/2024 | 11:00:00 PM | 33.92494 | 52.3536 | 18.42866 | 28.95134 | 36.51124 | 2.5863 | 45.7537 | 33.84132 | -0.08362 | 49.55362 | 43.97351 | 10.04857 | 32.16143 |
| 12/5/2024 | 12:00:00 AM | 33.93497 | 52.37505 | 18.44008 | 28.93992 | 36.5005 | 2.56553 | 45.77447 | 33.84859 | -0.08638 | 49.55638 | 43.98423 | 10.04926 | 32.16074 |
| 12/5/2024 | 1:00:00 AM | 33.95169 | 52.38936 | 18.43767 | 28.94233 | 36.50766 | 2.55597 | 45.78403 | 33.85586 | -0.09583 | 49.56583 | 43.98066 | 10.02897 | 32.18103 |
| 12/5/2024 | 2:00:00 AM | 33.94835 | 52.37148 | 18.42313 | 28.95687 | 36.50766 | 2.55931 | 45.78069 | 33.84859 | -0.09976 | 49.56976 | 43.97708 | 10.02873 | 32.18127 |
| 12/5/2024 | 3:00:00 AM | 33.96841 | 52.38221 | 18.4138 | 28.9662 | 36.50408 | 2.53567 | 45.80433 | 33.86676 | -0.10165 | 49.57165 | 43.99494 | 10.02653 | 32.18347 |
| 12/5/2024 | 4:00:00 AM | 33.97176 | 52.39294 | 18.42118 | 28.95882 | 36.50766 | 2.5359 | 45.8041 | 33.8704 | -0.10136 | 49.57136 | 43.99494 | 10.02318 | 32.18682 |
| 12/5/2024 | 5:00:00 AM | 33.97176 | 52.39294 | 18.42118 | 28.95882 | 36.5005 | 2.52874 | 45.81126 | 33.8704 | -0.10136 | 49.57136 | 43.99494 | 10.02318 | 32.18682 |
| 12/5/2024 | 6:00:00 AM | 33.98848 | 52.41082 | 18.42234 | 28.95766 | 36.50766 | 2.51918 | 45.82082 | 33.87767 | -0.11081 | 49.58081 | 44.00565 | 10.01717 | 32.19283 |
| 12/5/2024 | 7:00:00 AM | 33.98513 | 52.41439 | 18.42926 | 28.95074 | 36.51124 | 2.52611 | 45.81389 | 33.88857 | -0.09656 | 49.56656 | 44.00923 | 10.0241 | 32.1859 |
| 12/5/2024 | 8:00:00 AM | 34.01188 | 52.46088 | 18.449 | 28.931 | 36.51124 | 2.49936 | 45.84064 | 33.89947 | -0.11241 | 49.58241 | 44.02351 | 10.01163 | 32.19837 |
| 12/5/2024 | 9:00:00 AM | 34.04198 | 52.47518 | 18.4332 | 28.9468 | 36.5184 | 2.47642 | 45.86358 | 33.92128 | -0.1207 | 49.5907 | 44.03422 | 9.99224 | 32.21776 |
| 12/5/2024 | 10:00:00 AM | 34.05536 | 52.50022 | 18.44486 | 28.93514 | 36.52556 | 2.4702 | 45.8698 | 33.93945 | -0.11591 | 49.58591 | 44.04851 | 9.99315 | 32.21685 |
| 12/5/2024 | 11:00:00 AM | 34.06539 | 52.47876 | 18.41337 | 28.96663 | 36.52914 | 2.46375 | 45.87625 | 33.94308 | -0.12231 | 49.59231 | 44.04137 | 9.97598 | 32.23402 |
| 12/5/2024 | 12:00:00 PM | 34.05536 | 52.45373 | 18.39837 | 28.98163 | 36.52556 | 2.4702 | 45.8698 | 33.92491 | -0.13045 | 49.60045 | 44.04137 | 9.98601 | 32.22399 |
| 12/5/2024 | 1:00:00 PM | 34.02526 | 52.43585 | 18.41059 | 28.96941 | 36.5363 | 2.51104 | 45.82896 | 33.9031 | -0.12216 | 49.59216 | 44.03422 | 10.00896 | 32.20104 |
| 12/5/2024 | 2:00:00 PM | 34.01523 | 52.45373 | 18.4385 | 28.9415 | 36.54346 | 2.52823 | 45.81177 | 33.91401 | -0.10122 | 49.57122 | 44.0378 | 10.02257 | 32.18743 |
| 12/5/2024 | 3:00:00 PM | 34.02526 | 52.46803 | 18.44277 | 28.93723 | 36.5363 | 2.51104 | 45.82896 | 33.92128 | -0.10398 | 49.57398 | 44.04137 | 10.01611 | 32.19389 |
| 12/5/2024 | 4:00:00 PM | 34.00854 | 52.42154 | 18.413 | 28.967 | 36.53988 | 2.53134 | 45.80866 | 33.91401 | -0.09453 | 49.56453 | 44.0378 | 10.02926 | 32.18074 |
| 12/5/2024 | 5:00:00 PM | 34.02526 | 52.43227 | 18.40701 | 28.97299 | 36.54346 | 2.5182 | 45.8218 | 33.91764 | -0.10762 | 49.57762 | 44.04137 | 10.01611 | 32.19389 |
| 12/5/2024 | 6:00:00 PM | 34.03864 | 52.45373 | 18.41509 | 28.96491 | 36.54704 | 2.5084 | 45.8316 | 33.93581 | -0.10283 | 49.57283 | 44.05208 | 10.01344 | 32.19656 |
| 12/5/2024 | 7:00:00 PM | 34.03529 | 52.45015 | 18.41486 | 28.96514 | 36.54346 | 2.50817 | 45.83183 | 33.93218 | -0.10311 | 49.57311 | 44.04494 | 10.00965 | 32.20035 |
| 12/5/2024 | 8:00:00 PM | 34.05536 | 52.48234 | 18.42698 | 28.95302 | 36.54704 | 2.49168 | 45.84832 | 33.94671 | -0.10865 | 49.57865 | 44.07351 | 10.01815 | 32.19185 |
| 12/5/2024 | 9:00:00 PM | 34.07208 | 52.49664 | 18.42456 | 28.95544 | 36.55062 | 2.47854 | 45.86146 | 33.96489 | -0.10719 | 49.57719 | 44.06994 | 9.99786 | 32.21214 |
| 12/5/2024 | 10:00:00 PM | 34.06204 | 52.47518 | 18.41314 | 28.96686 | 36.56136 | 2.49932 | 45.84068 | 33.95035 | -0.11169 | 49.58169 | 44.05565 | 9.99361 | 32.21639 |
| 12/5/2024 | 11:00:00 PM | 34.04198 | 52.45015 | 18.40817 | 28.97183 | 36.5542 | 2.51222 | 45.82778 | 33.94308 | -0.0989 | 49.5689 | 44.05565 | 10.01367 | 32.19633 |
| 12/6/2024 | 12:00:00 AM | 34.03529 | 52.46088 | 18.42559 | 28.95441 | 36.5542 | 2.51891 | 45.82109 | 33.93218 | -0.10311 | 49.57311 | 44.0628 | 10.02751 | 32.18249 |
| 12/6/2024 | 1:00:00 AM | 34.05201 | 52.49307 | 18.44106 | 28.93894 | 36.56494 | 2.51293 | 45.82707 | 33.94308 | -0.10893 | 49.57893 | 44.06994 | 10.01793 | 32.19207 |
| 12/6/2024 | 2:00:00 AM | 34.04532 | 52.47876 | 18.43344 | 28.94656 | 36.54704 | 2.50172 | 45.83828 | 33.93945 | -0.10587 | 49.57587 | 44.0628 | 10.01748 | 32.19252 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/6/2024 | 3:00:00 AM | 34.03864 | 52.47161 | 18.43297 | 28.94703 | 36.54704 | 2.5084 | 45.8316 | 33.93945 | -0.09919 | 49.56919 | 44.05922 | 10.02058 | 32.18942 |
| 12/6/2024 | 4:00:00 AM | 34.05201 | 52.48949 | 18.43748 | 28.94252 | 36.55062 | 2.49861 | 45.84139 | 33.95035 | -0.10166 | 49.57166 | 44.0628 | 10.01079 | 32.19921 |
| 12/6/2024 | 5:00:00 AM | 34.04867 | 52.47876 | 18.43009 | 28.94991 | 36.54704 | 2.49837 | 45.84163 | 33.94308 | -0.10559 | 49.57559 | 44.06637 | 10.0177 | 32.1923 |
| 12/6/2024 | 6:00:00 AM | 34.02192 | 52.45015 | 18.42823 | 28.95177 | 36.55062 | 2.5287 | 45.8113 | 33.92854 | -0.09338 | 49.56338 | 44.04851 | 10.02659 | 32.18341 |
| 12/6/2024 | 7:00:00 AM | 34.0052 | 52.443 | 18.4378 | 28.9422 | 36.55062 | 2.54542 | 45.79458 | 33.90674 | -0.09846 | 49.56846 | 44.04137 | 10.03617 | 32.17383 |
| 12/6/2024 | 8:00:00 AM | 33.99182 | 52.42154 | 18.42972 | 28.95028 | 36.54346 | 2.55164 | 45.78836 | 33.89947 | -0.09235 | 49.56235 | 44.02351 | 10.03169 | 32.17831 |
| 12/6/2024 | 9:00:00 AM | 33.98513 | 52.4287 | 18.44357 | 28.93643 | 36.53272 | 2.54759 | 45.79241 | 33.88857 | -0.09656 | 49.56656 | 44.02351 | 10.03838 | 32.17162 |
| 12/6/2024 | 10:00:00 AM | 33.97844 | 52.42154 | 18.4431 | 28.9369 | 36.5363 | 2.55786 | 45.78214 | 33.8813 | -0.09714 | 49.56714 | 44.01994 | 10.0415 | 32.1685 |
| 12/6/2024 | 11:00:00 AM | 33.94835 | 52.38936 | 18.44101 | 28.93899 | 36.53272 | 2.58437 | 45.75563 | 33.86313 | -0.08522 | 49.55522 | 43.94137 | 9.99302 | 32.21698 |
| 12/6/2024 | 12:00:00 PM | 33.92828 | 52.37148 | 18.4432 | 28.9368 | 36.52198 | 2.5937 | 45.7463 | 33.84496 | -0.08332 | 49.55332 | 43.95923 | 10.03095 | 32.17905 |
| 12/6/2024 | 1:00:00 PM | 33.91491 | 52.36075 | 18.44584 | 28.93416 | 36.52198 | 2.60707 | 45.73293 | 33.83042 | -0.08449 | 49.55449 | 43.96637 | 10.05146 | 32.15854 |
| 12/6/2024 | 2:00:00 PM | 33.87144 | 52.31784 | 18.4464 | 28.9336 | 36.51124 | 2.6398 | 45.7002 | 33.80135 | -0.07009 | 49.54009 | 43.94137 | 10.06993 | 32.14007 |
| 12/6/2024 | 3:00:00 PM | 33.84803 | 52.29638 | 18.44835 | 28.93165 | 36.50766 | 2.65963 | 45.68037 | 33.77954 | -0.06849 | 49.53849 | 43.91994 | 10.07191 | 32.13809 |
| 12/6/2024 | 4:00:00 PM | 33.83131 | 52.28565 | 18.45434 | 28.92566 | 36.48977 | 2.65846 | 45.68154 | 33.76137 | -0.06994 | 49.53994 | 43.90566 | 10.07435 | 32.13565 |
| 12/6/2024 | 5:00:00 PM | 33.82128 | 52.28208 | 18.4608 | 28.9192 | 36.48619 | 2.66491 | 45.67509 | 33.75774 | -0.06354 | 49.53354 | 43.89137 | 10.07009 | 32.13991 |
| 12/6/2024 | 6:00:00 PM | 33.78449 | 52.23916 | 18.45467 | 28.92533 | 36.47545 | 2.69096 | 45.64904 | 33.72503 | -0.05946 | 49.52946 | 43.86994 | 10.08545 | 32.12455 |
| 12/6/2024 | 7:00:00 PM | 33.76443 | 52.2034 | 18.43897 | 28.94103 | 36.45755 | 2.69312 | 45.64688 | 33.70686 | -0.05757 | 49.52757 | 43.84495 | 10.08052 | 32.12948 |
| 12/6/2024 | 8:00:00 PM | 33.73433 | 52.17837 | 18.44404 | 28.93596 | 36.44323 | 2.7089 | 45.6311 | 33.67779 | -0.05654 | 49.52654 | 43.81995 | 10.08562 | 32.12438 |
| 12/6/2024 | 9:00:00 PM | 33.71761 | 52.17122 | 18.45361 | 28.92639 | 36.42891 | 2.7113 | 45.6287 | 33.66688 | -0.05073 | 49.52073 | 43.79138 | 10.07377 | 32.13623 |
| 12/6/2024 | 10:00:00 PM | 33.70089 | 52.15691 | 18.45602 | 28.92398 | 36.41102 | 2.71013 | 45.62987 | 33.64871 | -0.05218 | 49.52218 | 43.78066 | 10.07977 | 32.13023 |
| 12/6/2024 | 11:00:00 PM | 33.67748 | 52.13546 | 18.45798 | 28.92202 | 36.40386 | 2.72638 | 45.61362 | 33.63054 | -0.04694 | 49.51694 | 43.75923 | 10.08175 | 32.12825 |
| 12/7/2024 | 12:00:00 AM | 33.67748 | 52.14619 | 18.46871 | 28.91129 | 36.38954 | 2.71206 | 45.62794 | 33.61964 | -0.05784 | 49.52784 | 43.74852 | 10.07104 | 32.13896 |
| 12/7/2024 | 1:00:00 AM | 33.66076 | 52.12473 | 18.46397 | 28.91603 | 36.37164 | 2.71088 | 45.62912 | 33.60147 | -0.05929 | 49.52929 | 43.73066 | 10.0699 | 32.1401 |
| 12/7/2024 | 2:00:00 AM | 33.65073 | 52.13188 | 18.48115 | 28.89885 | 36.3609 | 2.71017 | 45.62983 | 33.59057 | -0.06016 | 49.53016 | 43.71638 | 10.06565 | 32.14435 |
| 12/7/2024 | 3:00:00 AM | 33.65073 | 52.13546 | 18.48473 | 28.89527 | 36.34658 | 2.69585 | 45.64415 | 33.5942 | -0.05653 | 49.52653 | 43.71281 | 10.06208 | 32.14792 |
| 12/7/2024 | 4:00:00 AM | 33.63736 | 52.12831 | 18.49095 | 28.88905 | 36.343 | 2.70564 | 45.63436 | 33.58693 | -0.05043 | 49.52043 | 43.70209 | 10.06473 | 32.14527 |
| 12/7/2024 | 5:00:00 AM | 33.63736 | 52.114 | 18.47664 | 28.90336 | 36.33227 | 2.69491 | 45.64509 | 33.57966 | -0.0577 | 49.5277 | 43.69138 | 10.05402 | 32.15598 |
| 12/7/2024 | 6:00:00 AM | 33.64404 | 52.13546 | 18.49142 | 28.88858 | 36.31795 | 2.67391 | 45.66609 | 33.57966 | -0.06438 | 49.53438 | 43.69138 | 10.04734 | 32.16266 |
| 12/7/2024 | 7:00:00 AM | 33.64739 | 52.15334 | 18.50595 | 28.87405 | 36.31079 | 2.6634 | 45.6766 | 33.57603 | -0.07136 | 49.54136 | 43.69495 | 10.04756 | 32.16244 |
| 12/7/2024 | 8:00:00 AM | 33.65073 | 52.14261 | 18.49188 | 28.88812 | 36.30363 | 2.6529 | 45.6871 | 33.56876 | -0.08197 | 49.55197 | 43.68424 | 10.03351 | 32.17649 |
| 12/7/2024 | 9:00:00 AM | 33.6708 | 52.1891 | 18.5183 | 28.8617 | 36.29289 | 2.62209 | 45.71791 | 33.57603 | -0.09477 | 49.56477 | 43.69852 | 10.02772 | 32.18228 |
| 12/7/2024 | 10:00:00 AM | 33.66745 | 52.16407 | 18.49662 | 28.88338 | 36.28931 | 2.62186 | 45.71814 | 33.55422 | -0.11323 | 49.58323 | 43.67709 | 10.00964 | 32.20036 |
| 12/7/2024 | 11:00:00 AM | 33.67414 | 52.1891 | 18.51496 | 28.86504 | 36.27857 | 2.60443 | 45.73557 | 33.5724 | -0.10174 | 49.57174 | 43.67709 | 10.00295 | 32.20705 |
| 12/7/2024 | 12:00:00 PM | 33.67748 | 52.1891 | 18.51162 | 28.86838 | 36.27857 | 2.60109 | 45.73891 | 33.56513 | -0.11235 | 49.58235 | 43.67352 | 9.99604 | 32.21396 |
| 12/7/2024 | 1:00:00 PM | 33.68083 | 52.19268 | 18.51185 | 28.86815 | 36.26425 | 2.58342 | 45.75658 | 33.55059 | -0.13024 | 49.60024 | 43.66995 | 9.98912 | 32.22088 |
| 12/7/2024 | 2:00:00 PM | 33.69086 | 52.22844 | 18.53758 | 28.84242 | 36.26068 | 2.56982 | 45.77018 | 33.56149 | -0.12937 | 49.59937 | 43.8378 | 10.14694 | 32.06306 |
| 12/7/2024 | 3:00:00 PM | 33.68752 | 52.23916 | 18.55164 | 28.82836 | 36.24994 | 2.56242 | 45.77758 | 33.56513 | -0.12239 | 49.59239 | 43.99137 | 10.30385 | 31.90615 |
| 12/7/2024 | 4:00:00 PM | 33.70424 | 52.26777 | 18.56353 | 28.81647 | 36.2571 | 2.55286 | 45.78714 | 33.57966 | -0.12458 | 49.59458 | 44.08422 | 10.37998 | 31.83002 |
| 12/7/2024 | 5:00:00 PM | 33.73099 | 52.33572 | 18.60473 | 28.77527 | 36.24994 | 2.51895 | 45.82105 | 33.61237 | -0.11862 | 49.58862 | 44.19136 | 10.46037 | 31.74963 |
| 12/7/2024 | 6:00:00 PM | 33.7243 | 52.34645 | 18.62215 | 28.75785 | 36.25352 | 2.52922 | 45.81078 | 33.63054 | -0.09376 | 49.56376 | 44.24136 | 10.51706 | 31.69294 |
| 12/7/2024 | 7:00:00 PM | 33.71761 | 52.35717 | 18.63956 | 28.74044 | 36.25352 | 2.53591 | 45.80409 | 33.64508 | -0.07253 | 49.54253 | 44.2735 | 10.55589 | 31.65411 |
| 12/7/2024 | 8:00:00 PM | 33.72096 | 52.37148 | 18.65052 | 28.72948 | 36.2571 | 2.53614 | 45.80386 | 33.65962 | -0.06134 | 49.53134 | 44.30207 | 10.58111 | 31.62889 |
| 12/7/2024 | 9:00:00 PM | 33.72096 | 52.37863 | 18.65767 | 28.72233 | 36.2571 | 2.53614 | 45.80386 | 33.66325 | -0.05771 | 49.52771 | 44.3235 | 10.60254 | 31.60746 |
| 12/7/2024 | 10:00:00 PM | 33.72096 | 52.37863 | 18.65767 | 28.72233 | 36.26425 | 2.54329 | 45.79671 | 33.67415 | -0.04681 | 49.51681 | 44.35207 | 10.63111 | 31.57889 |
| 12/7/2024 | 11:00:00 PM | 33.71427 | 52.35717 | 18.6429 | 28.7371 | 36.27499 | 2.56072 | 45.77928 | 33.67415 | -0.04012 | 49.51012 | 44.36993 | 10.65566 | 31.55434 |
| 12/8/2024 | 12:00:00 AM | 33.71427 | 52.36075 | 18.64648 | 28.73352 | 36.27857 | 2.5643 | 45.7757 | 33.67415 | -0.04012 | 49.51012 | 44.37707 | 10.6628 | 31.5472 |
| 12/8/2024 | 1:00:00 AM | 33.71761 | 52.36075 | 18.64314 | 28.73686 | 36.26783 | 2.55022 | 45.78978 | 33.66688 | -0.05073 | 49.52073 | 44.37707 | 10.65946 | 31.55054 |
| 12/8/2024 | 2:00:00 AM | 33.71427 | 52.37148 | 18.65721 | 28.72279 | 36.28215 | 2.56788 | 45.77212 | 33.67415 | -0.04012 | 49.51012 | 44.35564 | 10.64137 | 31.56863 |
| 12/8/2024 | 3:00:00 AM | 33.73099 | 52.40009 | 18.6691 | 28.7109 | 36.28931 | 2.55832 | 45.78168 | 33.68869 | -0.0423 | 49.5123 | 44.39493 | 10.66394 | 31.54606 |
| 12/8/2024 | 4:00:00 AM | 33.73768 | 52.40724 | 18.66956 | 28.71044 | 36.28931 | 2.55163 | 45.78837 | 33.69232 | -0.04536 | 49.51536 | 44.40207 | 10.66439 | 31.54561 |
| 12/8/2024 | 5:00:00 AM | 33.73099 | 52.40009 | 18.6691 | 28.7109 | 36.29289 | 2.5619 | 45.7781 | 33.69959 | -0.0314 | 49.5014 | 44.3985 | 10.66751 | 31.54249 |
| 12/8/2024 | 6:00:00 AM | 33.73768 | 52.40724 | 18.66956 | 28.71044 | 36.29647 | 2.55879 | 45.78121 | 33.70323 | -0.03445 | 49.50445 | 44.40564 | 10.66796 | 31.54204 |
| 12/8/2024 | 7:00:00 AM | 33.73768 | 52.4287 | 18.69102 | 28.68898 | 36.30363 | 2.56595 | 45.77405 | 33.69959 | -0.03809 | 49.50809 | 44.43778 | 10.7001 | 31.5099 |
| 12/8/2024 | 8:00:00 AM | 33.74436 | 52.45015 | 18.70579 | 28.67421 | 36.30363 | 2.55927 | 45.78073 | 33.71776 | -0.0266 | 49.4966 | 44.45921 | 10.71485 | 31.49515 |
| 12/8/2024 | 9:00:00 AM | 33.7544 | 52.47161 | 18.71721 | 28.66279 | 36.31437 | 2.55997 | 45.78003 | 33.72866 | -0.02574 | 49.49574 | 44.49849 | 10.74409 | 31.46591 |
| 12/8/2024 | 10:00:00 AM | 33.78784 | 52.47876 | 18.69092 | 28.68908 | 36.31795 | 2.53011 | 45.80989 | 33.74684 | -0.041 | 49.511 | 44.55206 | 10.76422 | 31.44578 |
| 12/8/2024 | 11:00:00 AM | 33.81124 | 52.48949 | 18.67825 | 28.70175 | 36.32511 | 2.51387 | 45.82613 | 33.76864 | -0.0426 | 49.5126 | 44.57706 | 10.76582 | 31.44418 |
| 12/8/2024 | 12:00:00 PM | 33.81459 | 52.50022 | 18.68563 | 28.69437 | 36.33227 | 2.51768 | 45.82232 | 33.77227 | -0.04232 | 49.51232 | 44.58421 | 10.76962 | 31.44038 |
| 12/8/2024 | 1:00:00 PM | 33.82796 | 52.52525 | 18.69729 | 28.68271 | 36.33227 | 2.50431 | 45.83569 | 33.78681 | -0.04115 | 49.51115 | 44.61635 | 10.78839 | 31.42161 |
| 12/8/2024 | 2:00:00 PM | 33.84134 | 52.55028 | 18.70894 | 28.67106 | 36.34658 | 2.50524 | 45.83476 | 33.80498 | -0.03636 | 49.50636 | 44.64849 | 10.80715 | 31.40285 |
| 12/8/2024 | 3:00:00 PM | 33.86809 | 52.56101 | 18.69292 | 28.68708 | 36.35374 | 2.48565 | 45.85435 | 33.81588 | -0.05221 | 49.52221 | 44.68777 | 10.81968 | 31.39032 |
| 12/8/2024 | 4:00:00 PM | 33.90488 | 52.58962 | 18.68474 | 28.69526 | 36.36448 | 2.4596 | 45.8804 | 33.84132 | -0.06356 | 49.53356 | 44.73063 | 10.82575 | 31.38425 |
| 12/8/2024 | 5:00:00 PM | 33.9216 | 52.61108 | 18.68948 | 28.69052 | 36.37522 | 2.45362 | 45.88638 | 33.86676 | -0.05484 | 49.52484 | 44.76634 | 10.84474 | 31.36526 |
| 12/8/2024 | 6:00:00 PM | 33.93163 | 52.62538 | 18.69375 | 28.68625 | 36.38238 | 2.45075 | 45.88925 | 33.87403 | -0.0576 | 49.5276 | 44.79848 | 10.86685 | 31.34315 |
| 12/8/2024 | 7:00:00 PM | 33.97176 | 52.65756 | 18.6858 | 28.6942 | 36.3967 | 2.42494 | 45.91506 | 33.89584 | -0.07592 | 49.54592 | 44.84491 | 10.87315 | 31.33685 |
| 12/8/2024 | 8:00:00 PM | 33.96841 | 52.66114 | 18.69273 | 28.68727 | 36.40744 | 2.43903 | 45.90097 | 33.90674 | -0.06167 | 49.53167 | 44.8592 | 10.89079 | 31.31921 |
| 12/8/2024 | 9:00:00 PM | 33.99182 | 52.68617 | 18.69435 | 28.68565 | 36.42175 | 2.42993 | 45.91007 | 33.92128 | -0.07054 | 49.54054 | 44.89848 | 10.90666 | 31.30334 |
| 12/8/2024 | 10:00:00 PM | 34.01188 | 52.71121 | 18.69933 | 28.68067 | 36.43249 | 2.42061 | 45.91939 | 33.94308 | -0.0688 | 49.5388 | 44.94491 | 10.93303 | 31.27697 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/8/2024 | 11:00:00 PM | 34.0286 | 52.72551 | 18.69691 | 28.68309 | 36.44681 | 2.41821 | 45.92179 | 33.95762 | -0.07098 | 49.54098 | 44.96634 | 10.93774 | 31.27226 |
| 12/9/2024 | 12:00:00 AM | 34.03864 | 52.72909 | 18.69045 | 28.68955 | 36.46113 | 2.42249 | 45.91751 | 33.96852 | -0.07012 | 49.54012 | 44.97348 | 10.93484 | 31.27516 |
| 12/9/2024 | 1:00:00 AM | 34.03529 | 52.73624 | 18.70095 | 28.67905 | 36.46829 | 2.433 | 45.907 | 33.97942 | -0.05587 | 49.52587 | 44.99134 | 10.95605 | 31.25395 |
| 12/9/2024 | 2:00:00 AM | 34.0587 | 52.75054 | 18.69184 | 28.68816 | 36.48619 | 2.42749 | 45.91251 | 33.99032 | -0.06838 | 49.53838 | 45.01991 | 10.96121 | 31.24879 |
| 12/9/2024 | 3:00:00 AM | 34.08211 | 52.78273 | 18.70062 | 28.67938 | 36.50408 | 2.42197 | 45.91803 | 34.01213 | -0.06998 | 49.53998 | 45.0699 | 10.98779 | 31.22221 |
| 12/9/2024 | 4:00:00 AM | 34.09214 | 52.77915 | 18.68701 | 28.69299 | 36.51124 | 2.4191 | 45.9209 | 34.0194 | -0.07274 | 49.54274 | 45.07348 | 10.98134 | 31.22866 |
| 12/9/2024 | 5:00:00 AM | 34.10217 | 52.78988 | 18.68771 | 28.69229 | 36.5184 | 2.41623 | 45.92377 | 34.03757 | -0.0646 | 49.5346 | 45.09133 | 10.98916 | 31.22084 |
| 12/9/2024 | 6:00:00 AM | 34.10552 | 52.80418 | 18.69866 | 28.68134 | 36.53988 | 2.43436 | 45.90564 | 34.0412 | -0.06432 | 49.53432 | 45.10205 | 10.99653 | 31.21347 |
| 12/9/2024 | 7:00:00 AM | 34.11555 | 52.80776 | 18.69221 | 28.68779 | 36.54704 | 2.43149 | 45.90851 | 34.05211 | -0.06344 | 49.53344 | 45.13062 | 11.01507 | 31.19493 |
| 12/9/2024 | 8:00:00 AM | 34.11555 | 52.81133 | 18.69578 | 28.68422 | 36.56136 | 2.44581 | 45.89419 | 34.05574 | -0.05981 | 49.52981 | 45.14133 | 11.02578 | 31.18422 |
| 12/9/2024 | 9:00:00 AM | 34.13561 | 52.82564 | 18.69003 | 28.68997 | 36.57567 | 2.44006 | 45.89994 | 34.06664 | -0.06897 | 49.53897 | 45.16633 | 11.03072 | 31.17928 |
| 12/9/2024 | 10:00:00 AM | 34.1423 | 52.82922 | 18.68692 | 28.69308 | 36.58999 | 2.44769 | 45.89231 | 34.07754 | -0.06476 | 49.53476 | 45.18061 | 11.03831 | 31.17169 |
| 12/9/2024 | 11:00:00 AM | 34.15902 | 52.83279 | 18.67377 | 28.70623 | 36.60431 | 2.44529 | 45.89471 | 34.08845 | -0.07057 | 49.54057 | 45.18061 | 11.02159 | 31.18841 |
| 12/9/2024 | 12:00:00 PM | 34.17574 | 52.81133 | 18.63559 | 28.74441 | 36.61147 | 2.43573 | 45.90427 | 34.09208 | -0.08366 | 49.55366 | 45.18419 | 11.00845 | 31.20155 |
| 12/9/2024 | 1:00:00 PM | 34.18912 | 52.81491 | 18.62579 | 28.75421 | 36.61863 | 2.42951 | 45.91049 | 34.08481 | -0.10431 | 49.57431 | 45.18061 | 10.99149 | 31.21851 |
| 12/9/2024 | 2:00:00 PM | 34.18912 | 52.82564 | 18.63652 | 28.74348 | 36.63295 | 2.44383 | 45.89617 | 34.09208 | -0.09704 | 49.56704 | 45.19133 | 11.00221 | 31.20779 |
| 12/9/2024 | 3:00:00 PM | 34.17908 | 52.82206 | 18.64298 | 28.73702 | 36.63295 | 2.45387 | 45.88613 | 34.09208 | -0.087 | 49.557 | 45.17704 | 10.99796 | 31.21204 |
| 12/9/2024 | 4:00:00 PM | 34.1724 | 52.82922 | 18.65682 | 28.72318 | 36.64369 | 2.47129 | 45.86871 | 34.10298 | -0.06942 | 49.53942 | 45.18776 | 11.01536 | 31.19464 |
| 12/9/2024 | 5:00:00 PM | 34.15902 | 52.82564 | 18.66662 | 28.71338 | 36.65084 | 2.49182 | 45.84818 | 34.10662 | -0.0524 | 49.5224 | 45.18776 | 11.02874 | 31.18126 |
| 12/9/2024 | 6:00:00 PM | 34.15233 | 52.82564 | 18.67331 | 28.70669 | 36.658 | 2.50567 | 45.83433 | 34.11025 | -0.04208 | 49.51208 | 45.18419 | 11.03186 | 31.17814 |
| 12/9/2024 | 7:00:00 PM | 34.14899 | 52.82206 | 18.67307 | 28.70693 | 36.66516 | 2.51617 | 45.82383 | 34.10662 | -0.04237 | 49.51237 | 45.18419 | 11.0352 | 31.1748 |
| 12/9/2024 | 8:00:00 PM | 34.15233 | 52.82922 | 18.67689 | 28.70311 | 36.67232 | 2.51999 | 45.82001 | 34.11389 | -0.03844 | 49.50844 | 45.21633 | 11.064 | 31.146 |
| 12/9/2024 | 9:00:00 PM | 34.14899 | 52.82564 | 18.67665 | 28.70335 | 36.67948 | 2.53049 | 45.80951 | 34.10662 | -0.04237 | 49.51237 | 45.19847 | 11.04948 | 31.16052 |
| 12/9/2024 | 10:00:00 PM | 34.1423 | 52.82206 | 18.67976 | 28.70024 | 36.68306 | 2.54076 | 45.79924 | 34.10662 | -0.03568 | 49.50568 | 45.19847 | 11.05617 | 31.15383 |
| 12/9/2024 | 11:00:00 PM | 34.15233 | 52.82922 | 18.67689 | 28.70311 | 36.6938 | 2.54147 | 45.79853 | 34.11025 | -0.04208 | 49.51208 | 45.20918 | 11.05685 | 31.15315 |
| 12/10/2024 | 12:00:00 AM | 34.13896 | 52.82922 | 18.69026 | 28.68974 | 36.70096 | 2.562 | 45.778 | 34.10662 | -0.03234 | 49.50234 | 45.20204 | 11.06308 | 31.14692 |
| 12/10/2024 | 1:00:00 AM | 34.13561 | 52.81491 | 18.6793 | 28.7007 | 36.70454 | 2.56893 | 45.77107 | 34.10662 | -0.02899 | 49.49899 | 45.17704 | 11.04143 | 31.16857 |
| 12/10/2024 | 2:00:00 AM | 34.12892 | 52.81849 | 18.68957 | 28.69043 | 36.70096 | 2.57204 | 45.76796 | 34.09935 | -0.02957 | 49.49957 | 45.18419 | 11.05527 | 31.15473 |
| 12/10/2024 | 3:00:00 AM | 34.13227 | 52.80061 | 18.66834 | 28.71166 | 36.7117 | 2.57943 | 45.76057 | 34.09935 | -0.03292 | 49.50292 | 45.16633 | 11.03406 | 31.17594 |
| 12/10/2024 | 4:00:00 AM | 34.11555 | 52.77915 | 18.6636 | 28.7164 | 36.7117 | 2.59615 | 45.74385 | 34.08481 | -0.03074 | 49.50074 | 45.12704 | 11.01149 | 31.19851 |
| 12/10/2024 | 5:00:00 AM | 34.11555 | 52.78988 | 18.67433 | 28.70567 | 36.72244 | 2.60689 | 45.73311 | 34.08118 | -0.03437 | 49.50437 | 45.12347 | 11.00792 | 31.20208 |
| 12/10/2024 | 6:00:00 AM | 34.10552 | 52.76842 | 18.6629 | 28.7171 | 36.71528 | 2.60976 | 45.73024 | 34.06664 | -0.03888 | 49.50888 | 45.10562 | 11.0001 | 31.2099 |
| 12/10/2024 | 7:00:00 AM | 34.10217 | 52.76842 | 18.66625 | 28.71375 | 36.71886 | 2.61669 | 45.72331 | 34.06664 | -0.03553 | 49.50553 | 45.08062 | 10.97845 | 31.23155 |
| 12/10/2024 | 8:00:00 AM | 34.09548 | 52.75769 | 18.66221 | 28.71779 | 36.71886 | 2.62338 | 45.71662 | 34.05937 | -0.03611 | 49.50611 | 45.05919 | 10.96371 | 31.24629 |
| 12/10/2024 | 9:00:00 AM | 34.10217 | 52.76127 | 18.6591 | 28.7209 | 36.71886 | 2.61669 | 45.72331 | 34.05574 | -0.04643 | 49.51643 | 45.05562 | 10.95345 | 31.25655 |
| 12/10/2024 | 10:00:00 AM | 34.10217 | 52.75769 | 18.65552 | 28.72448 | 36.71528 | 2.61311 | 45.72689 | 34.04847 | -0.0537 | 49.5237 | 45.03419 | 10.93202 | 31.27798 |
| 12/10/2024 | 11:00:00 AM | 34.09548 | 52.73624 | 18.64076 | 28.73924 | 36.71886 | 2.62338 | 45.71662 | 34.0412 | -0.05428 | 49.52428 | 44.99491 | 10.89943 | 31.31057 |
| 12/10/2024 | 12:00:00 PM | 34.1122 | 52.71478 | 18.60258 | 28.77742 | 36.71528 | 2.60308 | 45.73692 | 34.02667 | -0.08553 | 49.55553 | 44.94848 | 10.83628 | 31.37372 |
| 12/10/2024 | 1:00:00 PM | 34.10552 | 52.67544 | 18.56992 | 28.81008 | 36.7117 | 2.60618 | 45.73382 | 34.00486 | -0.10066 | 49.57066 | 44.89491 | 10.78939 | 31.42061 |
| 12/10/2024 | 2:00:00 PM | 34.0888 | 52.64684 | 18.55804 | 28.82196 | 36.70812 | 2.61932 | 45.72068 | 33.98306 | -0.10574 | 49.57574 | 44.85563 | 10.76683 | 31.44317 |
| 12/10/2024 | 3:00:00 PM | 34.07208 | 52.62538 | 18.5533 | 28.8267 | 36.69738 | 2.6253 | 45.7147 | 33.96489 | -0.10719 | 49.57719 | 44.79491 | 10.72283 | 31.48717 |
| 12/10/2024 | 4:00:00 PM | 34.06873 | 52.61108 | 18.54235 | 28.83765 | 36.69022 | 2.62149 | 45.71851 | 33.95035 | -0.11838 | 49.58838 | 44.75563 | 10.6869 | 31.5231 |
| 12/10/2024 | 5:00:00 PM | 34.04198 | 52.58247 | 18.54049 | 28.83951 | 36.68306 | 2.64108 | 45.69892 | 33.93218 | -0.1098 | 49.5798 | 44.71277 | 10.67079 | 31.53921 |
| 12/10/2024 | 6:00:00 PM | 34.02192 | 52.57531 | 18.55339 | 28.82661 | 36.68306 | 2.66114 | 45.67886 | 33.91764 | -0.10428 | 49.57428 | 44.67706 | 10.65514 | 31.55486 |
| 12/10/2024 | 7:00:00 PM | 34.0052 | 52.55028 | 18.54508 | 28.83492 | 36.66516 | 2.65996 | 45.68004 | 33.89947 | -0.10573 | 49.57573 | 44.63778 | 10.63258 | 31.57742 |
| 12/10/2024 | 8:00:00 PM | 34.00185 | 52.55386 | 18.55201 | 28.82799 | 36.66516 | 2.66331 | 45.67669 | 33.8922 | -0.10965 | 49.57965 | 44.64849 | 10.64664 | 31.56336 |
| 12/10/2024 | 9:00:00 PM | 33.99516 | 52.53955 | 18.54439 | 28.83561 | 36.64726 | 2.6521 | 45.6879 | 33.8813 | -0.11386 | 49.58386 | 44.61992 | 10.62476 | 31.58524 |
| 12/10/2024 | 10:00:00 PM | 33.99182 | 52.54313 | 18.55131 | 28.82869 | 36.63295 | 2.64113 | 45.69887 | 33.87767 | -0.11415 | 49.58415 | 44.61635 | 10.62453 | 31.58547 |
| 12/10/2024 | 11:00:00 PM | 33.98513 | 52.52167 | 18.53654 | 28.84346 | 36.62937 | 2.64424 | 45.69576 | 33.86313 | -0.122 | 49.592 | 44.58421 | 10.59908 | 31.61092 |
| 12/11/2024 | 12:00:00 AM | 33.97176 | 52.5181 | 18.54634 | 28.83366 | 36.62221 | 2.65045 | 45.68955 | 33.85586 | -0.1159 | 49.5859 | 44.54849 | 10.57673 | 31.63327 |
| 12/11/2024 | 1:00:00 AM | 33.94835 | 52.49307 | 18.54472 | 28.83528 | 36.61147 | 2.66312 | 45.67688 | 33.84132 | -0.10703 | 49.57703 | 44.51992 | 10.57157 | 31.63843 |
| 12/11/2024 | 2:00:00 AM | 33.93163 | 52.47876 | 18.54713 | 28.83287 | 36.60073 | 2.6691 | 45.6709 | 33.82315 | -0.10848 | 49.57848 | 44.49135 | 10.55972 | 31.65028 |
| 12/11/2024 | 3:00:00 AM | 33.92494 | 52.46446 | 18.53952 | 28.84048 | 36.59715 | 2.67221 | 45.66779 | 33.81588 | -0.10906 | 49.57906 | 44.46278 | 10.53784 | 31.67216 |
| 12/11/2024 | 4:00:00 AM | 33.89819 | 52.443 | 18.54481 | 28.83519 | 36.58283 | 2.68464 | 45.65536 | 33.79408 | -0.10411 | 49.57411 | 44.41635 | 10.51816 | 31.69184 |
| 12/11/2024 | 5:00:00 AM | 33.87144 | 52.40724 | 18.5358 | 28.8442 | 36.57209 | 2.70065 | 45.63935 | 33.77591 | -0.09553 | 49.56553 | 44.36636 | 10.49492 | 31.71508 |
| 12/11/2024 | 6:00:00 AM | 33.8614 | 52.41082 | 18.54942 | 28.83058 | 36.55778 | 2.69638 | 45.64362 | 33.76137 | -0.10003 | 49.57003 | 44.33779 | 10.47639 | 31.73361 |
| 12/11/2024 | 7:00:00 AM | 33.85137 | 52.40366 | 18.55229 | 28.82771 | 36.54346 | 2.69209 | 45.64791 | 33.7432 | -0.10817 | 49.57817 | 44.3235 | 10.47213 | 31.73787 |
| 12/11/2024 | 8:00:00 AM | 33.83131 | 52.38221 | 18.5509 | 28.8291 | 36.5363 | 2.70499 | 45.63501 | 33.7432 | -0.08811 | 49.55811 | 44.27707 | 10.44576 | 31.76424 |
| 12/11/2024 | 9:00:00 AM | 33.81793 | 52.36433 | 18.5464 | 28.8336 | 36.52198 | 2.70405 | 45.63595 | 33.71776 | -0.10017 | 49.57017 | 44.2485 | 10.43057 | 31.77943 |
| 12/11/2024 | 10:00:00 AM | 33.80121 | 52.33929 | 18.53808 | 28.84192 | 36.5184 | 2.71719 | 45.62281 | 33.70686 | -0.09435 | 49.56435 | 44.20922 | 10.40801 | 31.80199 |
| 12/11/2024 | 11:00:00 AM | 33.78449 | 52.32499 | 18.5405 | 28.8395 | 36.49692 | 2.71243 | 45.62757 | 33.69232 | -0.09217 | 49.56217 | 44.17351 | 10.38902 | 31.82098 |
| 12/11/2024 | 12:00:00 PM | 33.74771 | 52.28923 | 18.54152 | 28.83848 | 36.48619 | 2.73848 | 45.60152 | 33.66325 | -0.08446 | 49.55446 | 44.09851 | 10.3508 | 31.8592 |
| 12/11/2024 | 1:00:00 PM | 33.71427 | 52.2642 | 18.54993 | 28.83007 | 36.47545 | 2.76118 | 45.57882 | 33.64144 | -0.07283 | 49.54283 | 44.04137 | 10.3271 | 31.8829 |
| 12/11/2024 | 2:00:00 PM | 33.6942 | 52.24632 | 18.55212 | 28.82788 | 36.45397 | 2.75977 | 45.58023 | 33.61964 | -0.07456 | 49.54456 | 43.99851 | 10.30431 | 31.90569 |
| 12/11/2024 | 3:00:00 PM | 33.66076 | 52.2034 | 18.54264 | 28.83736 | 36.43965 | 2.77889 | 45.56111 | 33.59783 | -0.06293 | 49.53293 | 43.93423 | 10.27347 | 31.93653 |
| 12/11/2024 | 4:00:00 PM | 33.63736 | 52.19268 | 18.55532 | 28.82468 | 36.42533 | 2.78797 | 45.55203 | 33.5724 | -0.06496 | 49.53496 | 43.89494 | 10.25758 | 31.95242 |
| 12/11/2024 | 5:00:00 PM | 33.62064 | 52.17122 | 18.55058 | 28.82942 | 36.4146 | 2.79396 | 45.54604 | 33.55422 | -0.06642 | 49.53642 | 43.85566 | 10.23502 | 31.97498 |
| 12/11/2024 | 6:00:00 PM | 33.60726 | 52.16407 | 18.55681 | 28.82319 | 36.39312 | 2.78586 | 45.55414 | 33.53242 | -0.07484 | 49.54484 | 43.81637 | 10.20911 | 32.00089 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/11/2024 | 7:00:00 PM | 33.57382 | 52.13188 | 18.55806 | 28.82194 | 36.3788 | 2.80498 | 45.53502 | 33.51425 | -0.05957 | 49.52957 | 43.78423 | 10.21041 | 31.99959 |
| 12/11/2024 | 8:00:00 PM | 33.56379 | 52.13188 | 18.56809 | 28.81191 | 36.35374 | 2.78995 | 45.55005 | 33.49608 | -0.06771 | 49.53771 | 43.75923 | 10.19544 | 32.01456 |
| 12/11/2024 | 9:00:00 PM | 33.55041 | 52.12831 | 18.5779 | 28.8021 | 36.33942 | 2.78901 | 45.55099 | 33.48518 | -0.06523 | 49.53523 | 43.75923 | 10.20882 | 32.00118 |
| 12/11/2024 | 10:00:00 PM | 33.53704 | 52.11043 | 18.57339 | 28.80661 | 36.31795 | 2.78091 | 45.55909 | 33.47427 | -0.06277 | 49.53277 | 43.71995 | 10.18291 | 32.02709 |
| 12/11/2024 | 11:00:00 PM | 33.51028 | 52.05321 | 18.54293 | 28.83707 | 36.30721 | 2.79693 | 45.54307 | 33.4452 | -0.06508 | 49.53508 | 43.67709 | 10.16681 | 32.04319 |
| 12/12/2024 | 12:00:00 AM | 33.50694 | 52.04248 | 18.53554 | 28.84446 | 36.29647 | 2.78953 | 45.55047 | 33.44157 | -0.06537 | 49.53537 | 43.65924 | 10.1523 | 32.0577 |
| 12/12/2024 | 1:00:00 AM | 33.51028 | 52.04606 | 18.53578 | 28.84422 | 36.27141 | 2.76113 | 45.57887 | 33.42703 | -0.08325 | 49.55325 | 43.66281 | 10.15253 | 32.05747 |
| 12/12/2024 | 2:00:00 AM | 33.49691 | 52.03533 | 18.53842 | 28.84158 | 36.2571 | 2.76019 | 45.57981 | 33.41613 | -0.08078 | 49.55078 | 43.63067 | 10.13376 | 32.07624 |
| 12/12/2024 | 3:00:00 AM | 33.49691 | 52.02818 | 18.53127 | 28.84873 | 36.24278 | 2.74587 | 45.59413 | 33.40159 | -0.09532 | 49.56532 | 43.61638 | 10.11947 | 32.09053 |
| 12/12/2024 | 4:00:00 AM | 33.50025 | 52.0389 | 18.53865 | 28.84135 | 36.22846 | 2.72821 | 45.61179 | 33.39432 | -0.10593 | 49.57593 | 43.61995 | 10.1197 | 32.0903 |
| 12/12/2024 | 5:00:00 AM | 33.49022 | 52.0246 | 18.53438 | 28.84562 | 36.21414 | 2.72392 | 45.61608 | 33.38705 | -0.10317 | 49.57317 | 43.59495 | 10.10473 | 32.10527 |
| 12/12/2024 | 6:00:00 AM | 33.49022 | 52.01745 | 18.52723 | 28.85277 | 36.19982 | 2.7096 | 45.6304 | 33.37979 | -0.11043 | 49.58043 | 43.59495 | 10.10473 | 32.10527 |
| 12/12/2024 | 7:00:00 AM | 33.49691 | 52.03533 | 18.53842 | 28.84158 | 36.18193 | 2.68502 | 45.65498 | 33.38342 | -0.11349 | 49.58349 | 43.60567 | 10.10876 | 32.10124 |
| 12/12/2024 | 8:00:00 AM | 33.49691 | 52.04606 | 18.54915 | 28.83085 | 36.18193 | 2.68502 | 45.65498 | 33.38342 | -0.11349 | 49.58349 | 43.61638 | 10.11947 | 32.09053 |
| 12/12/2024 | 9:00:00 AM | 33.51028 | 52.06394 | 18.55366 | 28.82634 | 36.16761 | 2.65733 | 45.68267 | 33.39432 | -0.11596 | 49.58596 | 43.63781 | 10.12753 | 32.08247 |
| 12/12/2024 | 10:00:00 AM | 33.51697 | 52.07109 | 18.55412 | 28.82588 | 36.16045 | 2.64348 | 45.69652 | 33.39432 | -0.12265 | 49.59265 | 43.65924 | 10.14227 | 32.06773 |
| 12/12/2024 | 11:00:00 AM | 33.52366 | 52.07109 | 18.54743 | 28.83257 | 36.14971 | 2.62605 | 45.71395 | 33.40159 | -0.12207 | 49.59207 | 43.65567 | 10.13201 | 32.07799 |
| 12/12/2024 | 12:00:00 PM | 33.51028 | 52.06036 | 18.55008 | 28.82992 | 36.13897 | 2.62869 | 45.71131 | 33.39432 | -0.11596 | 49.58596 | 43.64495 | 10.13467 | 32.07533 |
| 12/12/2024 | 1:00:00 PM | 33.49356 | 52.05679 | 18.56323 | 28.81677 | 36.13539 | 2.64183 | 45.69817 | 33.39069 | -0.10287 | 49.57287 | 43.6271 | 10.13354 | 32.07646 |
| 12/12/2024 | 2:00:00 PM | 33.48019 | 52.04606 | 18.56587 | 28.81413 | 36.13181 | 2.65162 | 45.68838 | 33.37979 | -0.1004 | 49.5704 | 43.60567 | 10.12548 | 32.08452 |
| 12/12/2024 | 3:00:00 PM | 33.47016 | 52.04963 | 18.57947 | 28.80053 | 36.12823 | 2.65807 | 45.68193 | 33.37615 | -0.09401 | 49.56401 | 43.6021 | 10.13194 | 32.07806 |
| 12/12/2024 | 4:00:00 PM | 33.46681 | 52.06036 | 18.59355 | 28.78645 | 36.12107 | 2.65426 | 45.68574 | 33.37979 | -0.08702 | 49.55702 | 43.61638 | 10.14957 | 32.06043 |
| 12/12/2024 | 5:00:00 PM | 33.45678 | 52.07467 | 18.61789 | 28.76211 | 36.10676 | 2.64998 | 45.69002 | 33.39069 | -0.06609 | 49.53609 | 43.61995 | 10.16317 | 32.04683 |
| 12/12/2024 | 6:00:00 PM | 33.46012 | 52.07467 | 18.61455 | 28.76545 | 36.10676 | 2.64664 | 45.69336 | 33.39069 | -0.06943 | 49.53943 | 43.6271 | 10.16698 | 32.04302 |
| 12/12/2024 | 7:00:00 PM | 33.45678 | 52.06036 | 18.60358 | 28.77642 | 36.0996 | 2.64282 | 45.69718 | 33.38342 | -0.07336 | 49.54336 | 43.62352 | 10.16674 | 32.04326 |
| 12/12/2024 | 8:00:00 PM | 33.45344 | 52.06394 | 18.6105 | 28.7695 | 36.0996 | 2.64616 | 45.69384 | 33.38342 | -0.07002 | 49.54002 | 43.61638 | 10.16294 | 32.04706 |
| 12/12/2024 | 9:00:00 PM | 33.45344 | 52.05679 | 18.60335 | 28.77665 | 36.09244 | 2.639 | 45.701 | 33.38342 | -0.07002 | 49.54002 | 43.61638 | 10.16294 | 32.04706 |
| 12/12/2024 | 10:00:00 PM | 33.44675 | 52.05679 | 18.61004 | 28.76996 | 36.08886 | 2.64211 | 45.69789 | 33.37252 | -0.07423 | 49.54423 | 43.61638 | 10.16963 | 32.04037 |
| 12/12/2024 | 11:00:00 PM | 33.44675 | 52.04963 | 18.60288 | 28.77712 | 36.08528 | 2.63853 | 45.70147 | 33.37252 | -0.07423 | 49.54423 | 43.59853 | 10.15178 | 32.05822 |
| 12/13/2024 | 12:00:00 AM | 33.43337 | 52.04606 | 18.61269 | 28.76731 | 36.08528 | 2.65191 | 45.68809 | 33.37252 | -0.06085 | 49.53085 | 43.59495 | 10.16158 | 32.04842 |
| 12/13/2024 | 1:00:00 AM | 33.44675 | 52.05321 | 18.60646 | 28.77354 | 36.07454 | 2.62779 | 45.71221 | 33.37615 | -0.0706 | 49.5406 | 43.6021 | 10.15535 | 32.05465 |
| 12/13/2024 | 2:00:00 AM | 33.45344 | 52.06394 | 18.6105 | 28.7695 | 36.0817 | 2.62826 | 45.71174 | 33.36525 | -0.08819 | 49.55819 | 43.60567 | 10.15223 | 32.05777 |
| 12/13/2024 | 3:00:00 AM | 33.43672 | 52.04963 | 18.61291 | 28.76709 | 36.06738 | 2.63066 | 45.70934 | 33.36525 | -0.07147 | 49.54147 | 43.57353 | 10.13681 | 32.07319 |
| 12/13/2024 | 4:00:00 AM | 33.42668 | 52.03175 | 18.60507 | 28.77493 | 36.0638 | 2.63712 | 45.70288 | 33.35798 | -0.0687 | 49.5387 | 43.56281 | 10.13613 | 32.07387 |
| 12/13/2024 | 5:00:00 AM | 33.42334 | 52.0246 | 18.60126 | 28.77874 | 36.0638 | 2.64046 | 45.69954 | 33.35071 | -0.07263 | 49.54263 | 43.54138 | 10.11804 | 32.09196 |
| 12/13/2024 | 6:00:00 AM | 33.40996 | 51.99957 | 18.58961 | 28.79039 | 36.06022 | 2.65026 | 45.68974 | 33.33618 | -0.07378 | 49.54378 | 43.51996 | 10.11 | 32.1 |
| 12/13/2024 | 7:00:00 AM | 33.40662 | 51.97811 | 18.57149 | 28.80851 | 36.04948 | 2.64286 | 45.69714 | 33.32164 | -0.08498 | 49.55498 | 43.50567 | 10.09905 | 32.11095 |
| 12/13/2024 | 8:00:00 AM | 33.39993 | 51.96738 | 18.56745 | 28.81255 | 36.0459 | 2.64597 | 45.69403 | 33.31437 | -0.08556 | 49.55556 | 43.50567 | 10.10574 | 32.10426 |
| 12/13/2024 | 9:00:00 AM | 33.39993 | 51.96023 | 18.5603 | 28.8197 | 36.03874 | 2.63881 | 45.70119 | 33.30347 | -0.09646 | 49.56646 | 43.49853 | 10.0986 | 32.1114 |
| 12/13/2024 | 10:00:00 AM | 33.41665 | 51.99957 | 18.58292 | 28.79708 | 36.03874 | 2.62209 | 45.71791 | 33.32164 | -0.09501 | 49.56501 | 43.50924 | 10.09259 | 32.11741 |
| 12/13/2024 | 11:00:00 AM | 33.41665 | 52.00314 | 18.58649 | 28.79351 | 36.02801 | 2.61136 | 45.72864 | 33.32164 | -0.09501 | 49.56501 | 43.50567 | 10.08902 | 32.12098 |
| 12/13/2024 | 12:00:00 PM | 33.39993 | 51.95308 | 18.55315 | 28.82685 | 36.02085 | 2.62092 | 45.71908 | 33.30347 | -0.09646 | 49.56646 | 43.48067 | 10.08074 | 32.12926 |
| 12/13/2024 | 1:00:00 PM | 33.39324 | 51.90659 | 18.51335 | 28.86665 | 36.01727 | 2.62403 | 45.71597 | 33.27439 | -0.11885 | 49.58885 | 43.44139 | 10.04815 | 32.16185 |
| 12/13/2024 | 2:00:00 PM | 33.34643 | 51.87798 | 18.53155 | 28.84845 | 36.01011 | 2.66368 | 45.67632 | 33.24896 | -0.09747 | 49.56747 | 43.4271 | 10.08067 | 32.12933 |
| 12/13/2024 | 3:00:00 PM | 33.31633 | 51.85653 | 18.5402 | 28.8398 | 35.99937 | 2.68304 | 45.65696 | 33.21988 | -0.09645 | 49.56645 | 43.40567 | 10.08934 | 32.12066 |
| 12/13/2024 | 4:00:00 PM | 33.30964 | 51.84222 | 18.53258 | 28.84742 | 35.98863 | 2.67899 | 45.66101 | 33.20898 | -0.10066 | 49.57066 | 43.39853 | 10.08889 | 32.12111 |
| 12/13/2024 | 5:00:00 PM | 33.29292 | 51.82076 | 18.52784 | 28.85216 | 35.98147 | 2.68855 | 45.65145 | 33.18717 | -0.10575 | 49.57575 | 43.37353 | 10.08061 | 32.12939 |
| 12/13/2024 | 6:00:00 PM | 33.28624 | 51.80646 | 18.52022 | 28.85978 | 35.96357 | 2.67733 | 45.66267 | 33.16537 | -0.12087 | 49.59087 | 43.35568 | 10.06944 | 32.14056 |
| 12/13/2024 | 7:00:00 PM | 33.26283 | 51.81719 | 18.55436 | 28.82564 | 35.94926 | 2.68643 | 45.65357 | 33.1581 | -0.10473 | 49.57473 | 43.35568 | 10.09285 | 32.11715 |
| 12/13/2024 | 8:00:00 PM | 33.26617 | 51.81361 | 18.54744 | 28.83256 | 35.93852 | 2.67235 | 45.66765 | 33.1472 | -0.11897 | 49.58897 | 43.34139 | 10.07522 | 32.13478 |
| 12/13/2024 | 9:00:00 PM | 33.26283 | 51.81361 | 18.55078 | 28.82922 | 35.92778 | 2.66495 | 45.67505 | 33.14356 | -0.11927 | 49.58927 | 43.33425 | 10.07142 | 32.13858 |
| 12/13/2024 | 10:00:00 PM | 33.24611 | 51.785 | 18.53889 | 28.84111 | 35.92062 | 2.67451 | 45.66549 | 33.12903 | -0.11708 | 49.58708 | 43.32353 | 10.07742 | 32.13258 |
| 12/13/2024 | 11:00:00 PM | 33.2528 | 51.78143 | 18.52863 | 28.85137 | 35.9063 | 2.6535 | 45.6865 | 33.11813 | -0.13467 | 49.60467 | 43.31996 | 10.06716 | 32.14284 |
| 12/14/2024 | 12:00:00 AM | 33.23942 | 51.7707 | 18.53128 | 28.84872 | 35.89556 | 2.65614 | 45.68386 | 33.11449 | -0.12493 | 49.59493 | 43.30568 | 10.06626 | 32.14374 |
| 12/14/2024 | 1:00:00 AM | 33.22939 | 51.74567 | 18.51628 | 28.86372 | 35.88482 | 2.65543 | 45.68457 | 33.08905 | -0.14034 | 49.61034 | 43.28425 | 10.05486 | 32.15514 |
| 12/14/2024 | 2:00:00 AM | 33.23273 | 51.74567 | 18.51294 | 28.86706 | 35.87767 | 2.64494 | 45.69506 | 33.08905 | -0.14368 | 49.61368 | 43.27711 | 10.04438 | 32.16562 |
| 12/14/2024 | 3:00:00 AM | 33.23942 | 51.7707 | 18.53128 | 28.84872 | 35.86693 | 2.62751 | 45.71249 | 33.08542 | -0.154 | 49.624 | 43.28068 | 10.04126 | 32.16874 |
| 12/14/2024 | 4:00:00 AM | 33.23608 | 51.75282 | 18.51674 | 28.86326 | 35.85261 | 2.61653 | 45.72347 | 33.08178 | -0.1543 | 49.6243 | 43.26996 | 10.03388 | 32.17612 |
| 12/14/2024 | 5:00:00 AM | 33.19595 | 51.71706 | 18.52111 | 28.85889 | 35.84903 | 2.65308 | 45.68692 | 33.05998 | -0.13597 | 49.60597 | 43.24139 | 10.04544 | 32.16456 |
| 12/14/2024 | 6:00:00 AM | 33.16251 | 51.69918 | 18.53667 | 28.84333 | 35.84187 | 2.67936 | 45.66064 | 33.04544 | -0.11707 | 49.58707 | 43.22711 | 10.0646 | 32.1454 |
| 12/14/2024 | 7:00:00 AM | 33.18592 | 51.73136 | 18.54544 | 28.83456 | 35.82039 | 2.63447 | 45.70553 | 33.03817 | -0.14775 | 49.61775 | 43.23782 | 10.0519 | 32.1581 |
| 12/14/2024 | 8:00:00 AM | 33.20264 | 51.76355 | 18.56091 | 28.81909 | 35.81323 | 2.61059 | 45.72941 | 33.05271 | -0.14993 | 49.61993 | 43.28425 | 10.08161 | 32.12839 |
| 12/14/2024 | 9:00:00 AM | 33.21936 | 51.79931 | 18.57995 | 28.80005 | 35.80965 | 2.59029 | 45.74971 | 33.07088 | -0.14848 | 49.61848 | 43.34496 | 10.1256 | 32.0844 |
| 12/14/2024 | 10:00:00 AM | 33.23608 | 51.81361 | 18.57753 | 28.80247 | 35.80607 | 2.56999 | 45.77001 | 33.08178 | -0.1543 | 49.6243 | 43.38425 | 10.14817 | 32.06183 |
| 12/14/2024 | 11:00:00 AM | 33.24611 | 51.82434 | 18.57823 | 28.80177 | 35.80249 | 2.55638 | 45.78362 | 33.09632 | -0.14979 | 49.61979 | 43.39853 | 10.15242 | 32.05758 |
| 12/14/2024 | 12:00:00 PM | 33.26283 | 51.8458 | 18.58297 | 28.79703 | 35.79892 | 2.53609 | 45.80391 | 33.11449 | -0.14834 | 49.61834 | 43.44496 | 10.18213 | 32.02787 |
| 12/14/2024 | 1:00:00 PM | 33.2762 | 51.87441 | 18.59821 | 28.78179 | 35.79534 | 2.51914 | 45.82086 | 33.14356 | -0.13264 | 49.60264 | 43.49853 | 10.22233 | 31.98767 |
| 12/14/2024 | 2:00:00 PM | 33.29292 | 51.91017 | 18.61725 | 28.76275 | 35.79892 | 2.506 | 45.834 | 33.15447 | -0.13845 | 49.60845 | 43.5521 | 10.25918 | 31.95082 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/14/2024 | 3:00:00 PM | 33.3063 | 51.93162 | 18.62532 | 28.75468 | 35.79892 | 2.49262 | 45.84738 | 33.18717 | -0.11913 | 49.58913 | 43.60567 | 10.29937 | 31.91063 |
| 12/14/2024 | 4:00:00 PM | 33.31968 | 51.96381 | 18.64413 | 28.73587 | 35.80607 | 2.48639 | 45.85361 | 33.21261 | -0.10707 | 49.57707 | 43.69495 | 10.37527 | 31.83473 |
| 12/14/2024 | 5:00:00 PM | 33.33974 | 52.01745 | 18.67771 | 28.70229 | 35.80965 | 2.46991 | 45.87009 | 33.24532 | -0.09442 | 49.56442 | 43.78423 | 10.44449 | 31.76551 |
| 12/14/2024 | 6:00:00 PM | 33.36315 | 52.06394 | 18.70079 | 28.67921 | 35.82755 | 2.4644 | 45.8756 | 33.28893 | -0.07422 | 49.54422 | 43.85209 | 10.48894 | 31.72106 |
| 12/14/2024 | 7:00:00 PM | 33.3899 | 52.08897 | 18.69907 | 28.68093 | 35.83113 | 2.44123 | 45.89877 | 33.32527 | -0.06463 | 49.53463 | 43.91994 | 10.53004 | 31.67996 |
| 12/14/2024 | 8:00:00 PM | 33.42 | 52.10685 | 18.68685 | 28.69315 | 35.83829 | 2.41829 | 45.92171 | 33.35071 | -0.06929 | 49.53929 | 43.95923 | 10.53923 | 31.67077 |
| 12/14/2024 | 9:00:00 PM | 33.4434 | 52.13188 | 18.68848 | 28.69152 | 35.85977 | 2.41637 | 45.92363 | 33.37615 | -0.06725 | 49.53725 | 43.99851 | 10.55511 | 31.65489 |
| 12/14/2024 | 10:00:00 PM | 33.48353 | 52.16764 | 18.68411 | 28.69589 | 35.87767 | 2.39414 | 45.94586 | 33.39432 | -0.08921 | 49.55921 | 44.05565 | 10.57212 | 31.63788 |
| 12/14/2024 | 11:00:00 PM | 33.51697 | 52.19625 | 18.67928 | 28.70072 | 35.8884 | 2.37143 | 45.96857 | 33.43066 | -0.08631 | 49.55631 | 44.12351 | 10.60654 | 31.60346 |
| 12/14/2024 | 12:00:00 AM | 33.5571 | 52.23559 | 18.67849 | 28.70151 | 35.90988 | 2.35278 | 45.98722 | 33.46337 | -0.09373 | 49.56373 | 44.19493 | 10.63783 | 31.57217 |
| 12/15/2024 | 1:00:00 AM | 33.58051 | 52.25704 | 18.67653 | 28.70347 | 35.92778 | 2.34727 | 45.99273 | 33.48881 | -0.0917 | 49.5617 | 44.23422 | 10.65371 | 31.55629 |
| 12/15/2024 | 2:00:00 AM | 33.60726 | 52.28565 | 18.67839 | 28.70161 | 35.94568 | 2.33842 | 46.00158 | 33.50698 | -0.10028 | 49.57028 | 44.27707 | 10.66981 | 31.54019 |
| 12/15/2024 | 3:00:00 AM | 33.63736 | 52.31784 | 18.68048 | 28.69952 | 35.95999 | 2.32263 | 46.01737 | 33.53605 | -0.10131 | 49.57131 | 44.33779 | 10.70043 | 31.50957 |
| 12/15/2024 | 4:00:00 AM | 33.66076 | 52.33214 | 18.67138 | 28.70862 | 35.98147 | 2.32071 | 46.01929 | 33.56513 | -0.09563 | 49.56563 | 44.36993 | 10.70917 | 31.50083 |
| 12/15/2024 | 5:00:00 AM | 33.6942 | 52.36433 | 18.67013 | 28.70987 | 36.00295 | 2.30875 | 46.03125 | 33.58693 | -0.10727 | 49.57727 | 44.4235 | 10.7293 | 31.4807 |
| 12/15/2024 | 6:00:00 AM | 33.7243 | 52.39651 | 18.67221 | 28.70779 | 36.02801 | 2.30371 | 46.03629 | 33.61237 | -0.11193 | 49.58193 | 44.48064 | 10.75634 | 31.45366 |
| 12/15/2024 | 7:00:00 AM | 33.74436 | 52.42154 | 18.67718 | 28.70282 | 36.0459 | 2.30154 | 46.03846 | 33.63781 | -0.10655 | 49.57655 | 44.51635 | 10.77199 | 31.43801 |
| 12/15/2024 | 8:00:00 AM | 33.76443 | 52.43585 | 18.67142 | 28.70858 | 36.06738 | 2.30295 | 46.03705 | 33.65962 | -0.10481 | 49.57481 | 44.55206 | 10.78763 | 31.42237 |
| 12/15/2024 | 9:00:00 AM | 33.79118 | 52.47161 | 18.68043 | 28.69957 | 36.09244 | 2.30126 | 46.03874 | 33.68142 | -0.10976 | 49.57976 | 44.59135 | 10.80017 | 31.40983 |
| 12/15/2024 | 10:00:00 AM | 33.81459 | 52.48949 | 18.6749 | 28.7051 | 36.11033 | 2.29574 | 46.04426 | 33.70686 | -0.10773 | 49.57773 | 44.6342 | 10.81961 | 31.39039 |
| 12/15/2024 | 11:00:00 AM | 33.81793 | 52.49307 | 18.67514 | 28.70486 | 36.13181 | 2.31388 | 46.02612 | 33.72503 | -0.0929 | 49.5629 | 44.62706 | 10.80913 | 31.40087 |
| 12/15/2024 | 12:00:00 PM | 33.82128 | 52.48234 | 18.66106 | 28.71894 | 36.15687 | 2.33559 | 46.00441 | 33.72866 | -0.09262 | 49.56262 | 44.62349 | 10.80221 | 31.40779 |
| 12/15/2024 | 1:00:00 PM | 33.84134 | 52.47518 | 18.63384 | 28.74616 | 36.17119 | 2.32985 | 46.01015 | 33.72866 | -0.11268 | 49.58268 | 44.59849 | 10.75715 | 31.45285 |
| 12/15/2024 | 2:00:00 PM | 33.82462 | 52.45373 | 18.62911 | 28.75089 | 36.18908 | 2.36446 | 45.97554 | 33.7214 | -0.10322 | 49.57322 | 44.57706 | 10.75244 | 31.45756 |
| 12/15/2024 | 3:00:00 PM | 33.81793 | 52.45015 | 18.63222 | 28.74778 | 36.20698 | 2.38905 | 45.95095 | 33.72503 | -0.0929 | 49.5629 | 44.55921 | 10.74128 | 31.46872 |
| 12/15/2024 | 4:00:00 PM | 33.81124 | 52.46446 | 18.65322 | 28.72678 | 36.21772 | 2.40648 | 45.93352 | 33.7214 | -0.08984 | 49.55984 | 44.55564 | 10.7444 | 31.4656 |
| 12/15/2024 | 5:00:00 PM | 33.80121 | 52.45015 | 18.64894 | 28.73106 | 36.23204 | 2.43083 | 45.90917 | 33.7214 | -0.07981 | 49.54981 | 44.54849 | 10.74728 | 31.46272 |
| 12/15/2024 | 6:00:00 PM | 33.77112 | 52.39294 | 18.62182 | 28.75818 | 36.24278 | 2.47166 | 45.86834 | 33.71413 | -0.05699 | 49.52699 | 44.50921 | 10.73809 | 31.47191 |
| 12/15/2024 | 7:00:00 PM | 33.76108 | 52.37148 | 18.6104 | 28.7696 | 36.2571 | 2.49602 | 45.84398 | 33.69596 | -0.06512 | 49.53512 | 44.47707 | 10.71599 | 31.49401 |
| 12/15/2024 | 8:00:00 PM | 33.74102 | 52.35717 | 18.61615 | 28.76385 | 36.2571 | 2.51608 | 45.82392 | 33.68869 | -0.05233 | 49.52233 | 44.42707 | 10.68605 | 31.52395 |
| 12/15/2024 | 9:00:00 PM | 33.72764 | 52.33214 | 18.6045 | 28.7755 | 36.26425 | 2.53661 | 45.80339 | 33.65962 | -0.06802 | 49.53802 | 44.40207 | 10.67443 | 31.53557 |
| 12/15/2024 | 10:00:00 PM | 33.71761 | 52.29638 | 18.57877 | 28.80123 | 36.26783 | 2.55022 | 45.78978 | 33.64144 | -0.07617 | 49.54617 | 44.33421 | 10.6166 | 31.5934 |
| 12/15/2024 | 11:00:00 PM | 33.70758 | 52.28565 | 18.57807 | 28.80193 | 36.27141 | 2.56383 | 45.77617 | 33.62691 | -0.08067 | 49.55067 | 44.30207 | 10.59449 | 31.61551 |
| 12/16/2024 | 12:00:00 AM | 33.6942 | 52.25704 | 18.56284 | 28.81716 | 36.27141 | 2.57721 | 45.76279 | 33.6051 | -0.0891 | 49.5591 | 44.25207 | 10.55787 | 31.65213 |
| 12/16/2024 | 1:00:00 AM | 33.65742 | 52.18552 | 18.5281 | 28.8519 | 36.26783 | 2.61041 | 45.72959 | 33.56513 | -0.09229 | 49.56229 | 44.12708 | 10.46966 | 31.74034 |
| 12/16/2024 | 2:00:00 AM | 33.62064 | 52.16407 | 18.54343 | 28.83657 | 36.26425 | 2.64361 | 45.69639 | 33.52515 | -0.09549 | 49.56549 | 44.06637 | 10.44573 | 31.76427 |
| 12/16/2024 | 3:00:00 AM | 33.62064 | 52.15691 | 18.53627 | 28.84373 | 36.2571 | 2.63646 | 45.70354 | 33.51788 | -0.10276 | 49.57276 | 44.04851 | 10.42787 | 31.78213 |
| 12/16/2024 | 4:00:00 AM | 33.58385 | 52.13188 | 18.54803 | 28.83197 | 36.2392 | 2.65535 | 45.68465 | 33.49608 | -0.08777 | 49.55777 | 43.99494 | 10.41109 | 31.79891 |
| 12/16/2024 | 5:00:00 AM | 33.59388 | 52.14619 | 18.55231 | 28.82769 | 36.2392 | 2.64532 | 45.69468 | 33.48154 | -0.11234 | 49.58234 | 44.0128 | 10.41892 | 31.79108 |
| 12/16/2024 | 6:00:00 AM | 33.56379 | 52.12115 | 18.55736 | 28.82264 | 36.23562 | 2.67183 | 45.66817 | 33.47064 | -0.09315 | 49.56315 | 43.96637 | 10.40258 | 31.80742 |
| 12/16/2024 | 7:00:00 AM | 33.56713 | 52.13188 | 18.56475 | 28.81525 | 36.22488 | 2.65775 | 45.68225 | 33.4561 | -0.11103 | 49.58103 | 43.94851 | 10.38138 | 31.82862 |
| 12/16/2024 | 8:00:00 AM | 33.57716 | 52.14976 | 18.5726 | 28.8074 | 36.20698 | 2.62982 | 45.71018 | 33.45974 | -0.11742 | 49.58742 | 43.98066 | 10.4035 | 31.8065 |
| 12/16/2024 | 9:00:00 AM | 33.59054 | 52.17122 | 18.58068 | 28.79932 | 36.2034 | 2.61286 | 45.72714 | 33.46337 | -0.12717 | 49.59717 | 44.0128 | 10.42226 | 31.78774 |
| 12/16/2024 | 10:00:00 AM | 33.59723 | 52.17122 | 18.57399 | 28.80601 | 36.19982 | 2.60259 | 45.73741 | 33.46701 | -0.13022 | 49.60022 | 44.0128 | 10.41557 | 31.79443 |
| 12/16/2024 | 11:00:00 AM | 33.60392 | 52.17122 | 18.5673 | 28.8127 | 36.18908 | 2.58516 | 45.75484 | 33.46337 | -0.14055 | 49.61055 | 43.99494 | 10.39102 | 31.81898 |
| 12/16/2024 | 12:00:00 PM | 33.59388 | 52.16407 | 18.57019 | 28.80981 | 36.18193 | 2.58805 | 45.75195 | 33.4561 | -0.13778 | 49.60778 | 43.97351 | 10.37963 | 31.83037 |
| 12/16/2024 | 1:00:00 PM | 33.59388 | 52.16407 | 18.57019 | 28.80981 | 36.17477 | 2.58089 | 45.75911 | 33.4561 | -0.13778 | 49.60778 | 43.97351 | 10.37963 | 31.83037 |
| 12/16/2024 | 2:00:00 PM | 33.59723 | 52.16764 | 18.57041 | 28.80959 | 36.17477 | 2.57754 | 45.76246 | 33.45247 | -0.14476 | 49.61476 | 43.97351 | 10.37628 | 31.83372 |
| 12/16/2024 | 3:00:00 PM | 33.59723 | 52.1748 | 18.57757 | 28.80243 | 36.17119 | 2.57396 | 45.76604 | 33.45974 | -0.13749 | 49.60749 | 43.97351 | 10.37628 | 31.83372 |
| 12/16/2024 | 4:00:00 PM | 33.60392 | 52.18195 | 18.57803 | 28.80197 | 36.16761 | 2.56369 | 45.77631 | 33.46337 | -0.14055 | 49.61055 | 43.98066 | 10.37674 | 31.83326 |
| 12/16/2024 | 5:00:00 PM | 33.60726 | 52.19268 | 18.58542 | 28.79458 | 36.16045 | 2.55319 | 45.78681 | 33.47064 | -0.13662 | 49.60662 | 44.00565 | 10.39839 | 31.81161 |
| 12/16/2024 | 6:00:00 PM | 33.60392 | 52.19983 | 18.59591 | 28.78409 | 36.17119 | 2.56727 | 45.77273 | 33.48154 | -0.12238 | 49.59238 | 44.0128 | 10.40888 | 31.80112 |
| 12/16/2024 | 7:00:00 PM | 33.60057 | 52.20698 | 18.60641 | 28.77359 | 36.15329 | 2.55272 | 45.78728 | 33.48154 | -0.11903 | 49.58903 | 44.01994 | 10.41937 | 31.79063 |
| 12/16/2024 | 8:00:00 PM | 33.59054 | 52.19983 | 18.60929 | 28.77071 | 36.16761 | 2.57707 | 45.76293 | 33.48154 | -0.109 | 49.579 | 44.02351 | 10.43297 | 31.77703 |
| 12/16/2024 | 9:00:00 PM | 33.59054 | 52.20698 | 18.61644 | 28.76356 | 36.16045 | 2.56991 | 45.77009 | 33.47791 | -0.11263 | 49.58263 | 44.03065 | 10.44011 | 31.76989 |
| 12/16/2024 | 10:00:00 PM | 33.59723 | 52.22486 | 18.62763 | 28.75237 | 36.15687 | 2.55964 | 45.78036 | 33.49971 | -0.09752 | 49.56752 | 44.05922 | 10.46199 | 31.74801 |
| 12/16/2024 | 11:00:00 PM | 33.61395 | 52.25704 | 18.64309 | 28.73691 | 36.16045 | 2.5465 | 45.7935 | 33.50698 | -0.10697 | 49.57697 | 44.11636 | 10.50241 | 31.70759 |
| 12/17/2024 | 12:00:00 AM | 33.63067 | 52.29638 | 18.66571 | 28.71429 | 36.16045 | 2.52978 | 45.81022 | 33.54332 | -0.08735 | 49.55735 | 44.18422 | 10.55355 | 31.65645 |
| 12/17/2024 | 1:00:00 AM | 33.63401 | 52.31069 | 18.67668 | 28.70332 | 36.16403 | 2.53002 | 45.80998 | 33.55786 | -0.07615 | 49.54615 | 44.20565 | 10.57164 | 31.63836 |
| 12/17/2024 | 2:00:00 AM | 33.64739 | 52.34287 | 18.69548 | 28.68452 | 36.17477 | 2.52738 | 45.81262 | 33.57966 | -0.06773 | 49.53773 | 44.25565 | 10.60826 | 31.60174 |
| 12/17/2024 | 3:00:00 AM | 33.65408 | 52.34287 | 18.68879 | 28.69121 | 36.17835 | 2.52427 | 45.81573 | 33.59057 | -0.06351 | 49.53351 | 44.26993 | 10.61585 | 31.59415 |
| 12/17/2024 | 4:00:00 AM | 33.64739 | 52.33214 | 18.68475 | 28.69525 | 36.18908 | 2.54169 | 45.79831 | 33.60147 | -0.04592 | 49.51592 | 44.25922 | 10.61183 | 31.59817 |
| 12/17/2024 | 5:00:00 AM | 33.65742 | 52.35002 | 18.6926 | 28.6874 | 36.19266 | 2.53524 | 45.80476 | 33.61601 | -0.04141 | 49.51141 | 44.28779 | 10.63037 | 31.57963 |
| 12/17/2024 | 6:00:00 AM | 33.67414 | 52.3679 | 18.69376 | 28.68624 | 36.2034 | 2.52926 | 45.81074 | 33.61964 | -0.0545 | 49.5245 | 44.30922 | 10.63508 | 31.57492 |
| 12/17/2024 | 7:00:00 AM | 33.66745 | 52.35002 | 18.68257 | 28.69743 | 36.21414 | 2.54669 | 45.79331 | 33.61601 | -0.05144 | 49.52144 | 44.28064 | 10.61319 | 31.59681 |
| 12/17/2024 | 8:00:00 AM | 33.67414 | 52.37148 | 18.69734 | 28.68266 | 36.21772 | 2.54358 | 45.79642 | 33.62691 | -0.04723 | 49.51723 | 44.30564 | 10.6315 | 31.5785 |
| 12/17/2024 | 9:00:00 AM | 33.68752 | 52.38936 | 18.70184 | 28.67816 | 36.22846 | 2.54094 | 45.79906 | 33.64144 | -0.04608 | 49.51608 | 44.3485 | 10.66098 | 31.54902 |
| 12/17/2024 | 10:00:00 AM | 33.66745 | 52.33214 | 18.66469 | 28.71531 | 36.23204 | 2.56459 | 45.77541 | 33.63418 | -0.03327 | 49.50327 | 44.33779 | 10.67034 | 31.53966 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/17/2024 | 11:00:00 AM | 33.66745 | 52.31784 | 18.65039 | 28.72961 | 36.23562 | 2.56817 | 45.77183 | 33.62327 | -0.04418 | 49.51418 | 44.32707 | 10.65962 | 31.55038 |
| 12/17/2024 | 12:00:00 PM | 33.64404 | 52.26777 | 18.62373 | 28.75627 | 36.2392 | 2.59516 | 45.74484 | 33.5942 | -0.04984 | 49.51984 | 44.22708 | 10.58304 | 31.62696 |
| 12/17/2024 | 1:00:00 PM | 33.6407 | 52.23916 | 18.59846 | 28.78154 | 36.24636 | 2.60566 | 45.73434 | 33.5724 | -0.0683 | 49.5383 | 44.18422 | 10.54352 | 31.66648 |
| 12/17/2024 | 2:00:00 PM | 33.63067 | 52.21771 | 18.58704 | 28.79296 | 36.24636 | 2.61569 | 45.72431 | 33.54332 | -0.08735 | 49.55735 | 44.14136 | 10.51069 | 31.69931 |
| 12/17/2024 | 3:00:00 PM | 33.63736 | 52.22128 | 18.58392 | 28.79608 | 36.2392 | 2.60184 | 45.73816 | 33.52879 | -0.10857 | 49.57857 | 44.12351 | 10.48615 | 31.72385 |
| 12/17/2024 | 4:00:00 PM | 33.63067 | 52.21413 | 18.58346 | 28.79654 | 36.24278 | 2.61211 | 45.72789 | 33.51061 | -0.12006 | 49.59006 | 44.12351 | 10.49284 | 31.71716 |
| 12/17/2024 | 5:00:00 PM | 33.62064 | 52.21413 | 18.59349 | 28.78651 | 36.2392 | 2.61856 | 45.72144 | 33.50335 | -0.11729 | 49.58729 | 44.11636 | 10.49572 | 31.71428 |
| 12/17/2024 | 6:00:00 PM | 33.60392 | 52.21056 | 18.60664 | 28.77336 | 36.22846 | 2.62454 | 45.71546 | 33.49608 | -0.10784 | 49.57784 | 44.08779 | 10.48387 | 31.72613 |
| 12/17/2024 | 7:00:00 PM | 33.5872 | 52.1891 | 18.6019 | 28.7781 | 36.22846 | 2.64126 | 45.69874 | 33.47427 | -0.11293 | 49.58293 | 44.06637 | 10.47917 | 31.73083 |
| 12/17/2024 | 8:00:00 PM | 33.56713 | 52.18552 | 18.61839 | 28.76161 | 36.21772 | 2.65059 | 45.68941 | 33.46337 | -0.10376 | 49.57376 | 44.04494 | 10.47781 | 31.73219 |
| 12/17/2024 | 9:00:00 PM | 33.56713 | 52.18552 | 18.61839 | 28.76161 | 36.21056 | 2.64343 | 45.69657 | 33.44883 | -0.1183 | 49.5883 | 44.03065 | 10.46352 | 31.74648 |
| 12/17/2024 | 10:00:00 PM | 33.53369 | 52.16049 | 18.6268 | 28.7532 | 36.2034 | 2.66971 | 45.67029 | 33.4343 | -0.09939 | 49.56939 | 43.96637 | 10.43268 | 31.77732 |
| 12/17/2024 | 11:00:00 PM | 33.50694 | 52.13188 | 18.62494 | 28.75506 | 36.19624 | 2.6893 | 45.6507 | 33.41249 | -0.09445 | 49.56445 | 43.92351 | 10.41657 | 31.79343 |
| 12/18/2024 | 12:00:00 AM | 33.4735 | 52.12115 | 18.64765 | 28.73235 | 36.19266 | 2.71916 | 45.62084 | 33.38705 | -0.08645 | 49.55645 | 43.87352 | 10.40002 | 31.80998 |
| 12/18/2024 | 1:00:00 AM | 33.45344 | 52.09612 | 18.64268 | 28.73732 | 36.18193 | 2.72849 | 45.61151 | 33.36888 | -0.08456 | 49.55456 | 43.80923 | 10.35579 | 31.85421 |
| 12/18/2024 | 2:00:00 AM | 33.44675 | 52.07467 | 18.62792 | 28.75208 | 36.17119 | 2.72444 | 45.61556 | 33.34344 | -0.10331 | 49.57331 | 43.77709 | 10.33034 | 31.87966 |
| 12/18/2024 | 3:00:00 AM | 33.40662 | 52.06036 | 18.65374 | 28.72626 | 36.14971 | 2.74309 | 45.59691 | 33.31437 | -0.09225 | 49.56225 | 43.74495 | 10.33833 | 31.87167 |
| 12/18/2024 | 4:00:00 AM | 33.40328 | 52.04248 | 18.6392 | 28.7408 | 36.13539 | 2.73211 | 45.60789 | 33.2962 | -0.10708 | 49.57708 | 43.68424 | 10.28096 | 31.92904 |
| 12/18/2024 | 5:00:00 AM | 33.43672 | 52.11043 | 18.67371 | 28.70629 | 36.12823 | 2.69151 | 45.64849 | 33.2962 | -0.14052 | 49.61052 | 43.77709 | 10.34037 | 31.86963 |
| 12/18/2024 | 6:00:00 AM | 33.48688 | 52.23201 | 18.74513 | 28.63487 | 36.12107 | 2.63419 | 45.70581 | 33.34344 | -0.14344 | 49.61344 | 43.9628 | 10.47592 | 31.73408 |
| 12/18/2024 | 7:00:00 AM | 33.53369 | 52.34287 | 18.80918 | 28.57082 | 36.11391 | 2.58022 | 45.75978 | 33.41976 | -0.11393 | 49.58393 | 44.17351 | 10.63982 | 31.57018 |
| 12/18/2024 | 8:00:00 AM | 33.6106 | 52.45373 | 18.84313 | 28.53687 | 36.11749 | 2.50689 | 45.83311 | 33.48154 | -0.12906 | 49.59906 | 44.3735 | 10.7629 | 31.4471 |
| 12/18/2024 | 9:00:00 AM | 33.69086 | 52.53598 | 18.84512 | 28.53488 | 36.12107 | 2.43021 | 45.90979 | 33.55786 | -0.133 | 49.603 | 44.50207 | 10.81121 | 31.39879 |
| 12/18/2024 | 10:00:00 AM | 33.74102 | 52.58247 | 18.84145 | 28.53855 | 36.12823 | 2.38721 | 45.95279 | 33.60147 | -0.13955 | 49.60955 | 44.57349 | 10.83247 | 31.37753 |
| 12/18/2024 | 11:00:00 AM | 33.77112 | 52.61108 | 18.83996 | 28.54004 | 36.14971 | 2.37859 | 45.96141 | 33.64508 | -0.12604 | 49.59604 | 44.62706 | 10.85594 | 31.35406 |
| 12/18/2024 | 12:00:00 PM | 33.80456 | 52.63253 | 18.82797 | 28.55203 | 36.16403 | 2.35947 | 45.98053 | 33.67415 | -0.13041 | 49.60041 | 44.65563 | 10.85107 | 31.35893 |
| 12/18/2024 | 1:00:00 PM | 33.82128 | 52.65756 | 18.83628 | 28.54372 | 36.18193 | 2.36065 | 45.97935 | 33.71049 | -0.11079 | 49.58079 | 44.70563 | 10.88435 | 31.32565 |
| 12/18/2024 | 2:00:00 PM | 33.838 | 52.67187 | 18.83387 | 28.54613 | 36.19982 | 2.36182 | 45.97818 | 33.7323 | -0.1057 | 49.5757 | 44.72706 | 10.88906 | 31.32094 |
| 12/18/2024 | 3:00:00 PM | 33.8614 | 52.69332 | 18.83192 | 28.54808 | 36.22488 | 2.36348 | 45.97652 | 33.7541 | -0.1073 | 49.5773 | 44.76277 | 10.90137 | 31.30863 |
| 12/18/2024 | 4:00:00 PM | 33.88816 | 52.70763 | 18.81947 | 28.56053 | 36.24994 | 2.36178 | 45.97822 | 33.77591 | -0.11225 | 49.58225 | 44.79491 | 10.90675 | 31.30325 |
| 12/18/2024 | 5:00:00 PM | 33.87812 | 52.6969 | 18.81878 | 28.56122 | 36.26783 | 2.38971 | 45.95029 | 33.78681 | -0.09131 | 49.56131 | 44.7842 | 10.90608 | 31.30392 |
| 12/18/2024 | 6:00:00 PM | 33.86809 | 52.70048 | 18.83239 | 28.54761 | 36.28573 | 2.41764 | 45.92236 | 33.78681 | -0.08128 | 49.55128 | 44.76634 | 10.89825 | 31.31175 |
| 12/18/2024 | 7:00:00 PM | 33.88147 | 52.70405 | 18.82258 | 28.55742 | 36.29647 | 2.415 | 45.925 | 33.79408 | -0.08739 | 49.55739 | 44.76991 | 10.88844 | 31.32156 |
| 12/18/2024 | 8:00:00 PM | 33.89819 | 52.72909 | 18.8309 | 28.5491 | 36.31079 | 2.4126 | 45.9274 | 33.80862 | -0.08957 | 49.55957 | 44.81277 | 10.91458 | 31.29542 |
| 12/18/2024 | 9:00:00 PM | 33.89484 | 52.72193 | 18.82709 | 28.55291 | 36.33585 | 2.44101 | 45.89899 | 33.81952 | -0.07532 | 49.54532 | 44.81634 | 10.9215 | 31.2885 |
| 12/18/2024 | 10:00:00 PM | 33.88816 | 52.70405 | 18.81589 | 28.56411 | 36.35016 | 2.462 | 45.878 | 33.81588 | -0.07228 | 49.54228 | 44.79134 | 10.90318 | 31.30682 |
| 12/18/2024 | 11:00:00 PM | 33.88147 | 52.70048 | 18.81901 | 28.56099 | 36.36448 | 2.48301 | 45.85699 | 33.82315 | -0.05832 | 49.52832 | 44.77349 | 10.89202 | 31.31798 |
| 12/19/2024 | 12:00:00 AM | 33.87144 | 52.6826 | 18.81116 | 28.56884 | 36.37164 | 2.5002 | 45.8398 | 33.80862 | -0.06282 | 49.53282 | 44.73063 | 10.85919 | 31.35081 |
| 12/19/2024 | 1:00:00 AM | 33.85137 | 52.66829 | 18.81692 | 28.56308 | 36.38954 | 2.53817 | 45.80183 | 33.80135 | -0.05002 | 49.52002 | 44.7092 | 10.85783 | 31.35217 |
| 12/19/2024 | 2:00:00 AM | 33.84803 | 52.66114 | 18.81311 | 28.56689 | 36.40028 | 2.55225 | 45.78775 | 33.79045 | -0.05758 | 49.52758 | 44.6842 | 10.83617 | 31.37383 |
| 12/19/2024 | 3:00:00 AM | 33.84468 | 52.63968 | 18.795 | 28.585 | 36.40028 | 2.5556 | 45.7844 | 33.77954 | -0.06514 | 49.53514 | 44.64492 | 10.80024 | 31.40976 |
| 12/19/2024 | 4:00:00 AM | 33.838 | 52.62538 | 18.78738 | 28.59262 | 36.4146 | 2.5766 | 45.7634 | 33.76501 | -0.07299 | 49.54299 | 44.61635 | 10.77835 | 31.43165 |
| 12/19/2024 | 5:00:00 AM | 33.79118 | 52.52525 | 18.73407 | 28.64593 | 36.4146 | 2.62342 | 45.71658 | 33.75047 | -0.04071 | 49.51071 | 44.58063 | 10.78945 | 31.42055 |
| 12/19/2024 | 6:00:00 AM | 33.78115 | 52.48591 | 18.70476 | 28.67524 | 36.4146 | 2.63345 | 45.70655 | 33.72503 | -0.05612 | 49.52612 | 44.48421 | 10.70306 | 31.50694 |
| 12/19/2024 | 7:00:00 AM | 33.76443 | 52.4573 | 18.69287 | 28.68713 | 36.4146 | 2.65017 | 45.68983 | 33.69959 | -0.06484 | 49.53484 | 44.42707 | 10.66264 | 31.54736 |
| 12/19/2024 | 8:00:00 AM | 33.7544 | 52.43942 | 18.68502 | 28.69498 | 36.4146 | 2.6602 | 45.6798 | 33.68869 | -0.06571 | 49.53571 | 44.38778 | 10.63338 | 31.57662 |
| 12/19/2024 | 9:00:00 AM | 33.76777 | 52.46446 | 18.69669 | 28.68331 | 36.41817 | 2.6504 | 45.6896 | 33.68505 | -0.08272 | 49.55272 | 44.41993 | 10.65216 | 31.55784 |
| 12/19/2024 | 10:00:00 AM | 33.76777 | 52.4573 | 18.68953 | 28.69047 | 36.4146 | 2.64683 | 45.69317 | 33.67779 | -0.08998 | 49.55998 | 44.39493 | 10.62716 | 31.58284 |
| 12/19/2024 | 11:00:00 AM | 33.76108 | 52.42154 | 18.66046 | 28.71954 | 36.41102 | 2.64994 | 45.69006 | 33.65962 | -0.10146 | 49.57146 | 44.32707 | 10.56599 | 31.64401 |
| 12/19/2024 | 12:00:00 PM | 33.7544 | 52.41439 | 18.65999 | 28.72001 | 36.41102 | 2.65662 | 45.68338 | 33.64508 | -0.10932 | 49.57932 | 44.30922 | 10.55482 | 31.65518 |
| 12/19/2024 | 1:00:00 PM | 33.6942 | 52.35717 | 18.66297 | 28.71703 | 36.3967 | 2.7025 | 45.6375 | 33.61601 | -0.07819 | 49.54819 | 44.21636 | 10.52216 | 31.68784 |
| 12/19/2024 | 2:00:00 PM | 33.66076 | 52.31784 | 18.65708 | 28.72292 | 36.3967 | 2.73594 | 45.60406 | 33.58693 | -0.07383 | 49.54383 | 44.14494 | 10.48418 | 31.72582 |
| 12/19/2024 | 3:00:00 PM | 33.63736 | 52.30711 | 18.66975 | 28.71025 | 36.38238 | 2.74502 | 45.59498 | 33.56149 | -0.07587 | 49.54587 | 44.10565 | 10.46829 | 31.74171 |
| 12/19/2024 | 4:00:00 PM | 33.64739 | 52.31784 | 18.67045 | 28.70955 | 36.37522 | 2.72783 | 45.61217 | 33.56149 | -0.0859 | 49.5559 | 44.13779 | 10.4904 | 31.7196 |
| 12/19/2024 | 5:00:00 PM | 33.66745 | 52.3536 | 18.68615 | 28.69385 | 36.37164 | 2.70419 | 45.63581 | 33.56876 | -0.09869 | 49.56869 | 44.19493 | 10.52748 | 31.68252 |
| 12/19/2024 | 6:00:00 PM | 33.68417 | 52.39294 | 18.70877 | 28.67123 | 36.3609 | 2.67673 | 45.66327 | 33.58693 | -0.09724 | 49.56724 | 44.23422 | 10.55005 | 31.65995 |
| 12/19/2024 | 7:00:00 PM | 33.68083 | 52.39294 | 18.71211 | 28.66789 | 36.35016 | 2.66933 | 45.67067 | 33.58693 | -0.0939 | 49.5639 | 44.23422 | 10.55339 | 31.65661 |
| 12/19/2024 | 8:00:00 PM | 33.6942 | 52.40366 | 18.70946 | 28.67054 | 36.35016 | 2.65596 | 45.68404 | 33.5942 | -0.1 | 49.57 | 44.25565 | 10.56145 | 31.64855 |
| 12/19/2024 | 9:00:00 PM | 33.70424 | 52.42154 | 18.7173 | 28.6627 | 36.35374 | 2.6495 | 45.6905 | 33.6051 | -0.09914 | 49.56914 | 44.27707 | 10.57283 | 31.63717 |
| 12/19/2024 | 10:00:00 PM | 33.70424 | 52.42154 | 18.7173 | 28.6627 | 36.34658 | 2.64234 | 45.69766 | 33.60874 | -0.0955 | 49.5655 | 44.28422 | 10.57998 | 31.63002 |
| 12/19/2024 | 11:00:00 PM | 33.71092 | 52.42512 | 18.7142 | 28.6658 | 36.34658 | 2.63566 | 45.70434 | 33.61964 | -0.09128 | 49.56128 | 44.2985 | 10.58758 | 31.62242 |
| 12/20/2024 | 12:00:00 AM | 33.70758 | 52.42154 | 18.71396 | 28.66604 | 36.343 | 2.63542 | 45.70458 | 33.61601 | -0.09157 | 49.56157 | 44.29136 | 10.58378 | 31.62622 |
| 12/20/2024 | 1:00:00 AM | 33.70089 | 52.41797 | 18.71708 | 28.66292 | 36.343 | 2.64211 | 45.69789 | 33.61237 | -0.08852 | 49.55852 | 44.28779 | 10.5869 | 31.6231 |
| 12/20/2024 | 2:00:00 AM | 33.69755 | 52.4287 | 18.73115 | 28.64885 | 36.33942 | 2.64187 | 45.69813 | 33.62327 | -0.07428 | 49.54428 | 44.30564 | 10.60809 | 31.60191 |
| 12/20/2024 | 3:00:00 AM | 33.68417 | 52.42512 | 18.74095 | 28.63905 | 36.34658 | 2.66241 | 45.67759 | 33.61237 | -0.0718 | 49.5418 | 44.28779 | 10.60362 | 31.60638 |
| 12/20/2024 | 4:00:00 AM | 33.68752 | 52.41439 | 18.72687 | 28.65313 | 36.33942 | 2.6519 | 45.6881 | 33.60874 | -0.07878 | 49.54878 | 44.28422 | 10.5967 | 31.6133 |
| 12/20/2024 | 5:00:00 AM | 33.6708 | 52.39294 | 18.72214 | 28.65786 | 36.32869 | 2.65789 | 45.68211 | 33.6051 | -0.0657 | 49.5357 | 44.24136 | 10.57056 | 31.63944 |
| 12/20/2024 | 6:00:00 AM | 33.67748 | 52.39651 | 18.71903 | 28.66097 | 36.33942 | 2.66194 | 45.67806 | 33.5942 | -0.08328 | 49.55328 | 44.23422 | 10.55674 | 31.65326 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/20/2024 | 7:00:00 AM | 33.66745 | 52.37863 | 18.71118 | 28.66882 | 36.33585 | 2.6684 | 45.6716 | 33.5833 | -0.08415 | 49.55415 | 44.20208 | 10.53463 | 31.67537 |
| 12/20/2024 | 8:00:00 AM | 33.66745 | 52.37505 | 18.7076 | 28.6724 | 36.343 | 2.67555 | 45.66445 | 33.5833 | -0.08415 | 49.55415 | 44.18779 | 10.52034 | 31.68966 |
| 12/20/2024 | 9:00:00 AM | 33.67414 | 52.37863 | 18.70449 | 28.67551 | 36.33227 | 2.65813 | 45.68187 | 33.57966 | -0.09448 | 49.56448 | 44.18422 | 10.51008 | 31.69992 |
| 12/20/2024 | 10:00:00 AM | 33.68417 | 52.38936 | 18.70519 | 28.67481 | 36.32869 | 2.64452 | 45.69548 | 33.57966 | -0.10451 | 49.57451 | 44.1985 | 10.51433 | 31.69567 |
| 12/20/2024 | 11:00:00 AM | 33.6708 | 52.36075 | 18.68995 | 28.69005 | 36.32511 | 2.65431 | 45.68569 | 33.56513 | -0.10567 | 49.57567 | 44.13779 | 10.46699 | 31.74301 |
| 12/20/2024 | 12:00:00 PM | 33.65742 | 52.34287 | 18.68545 | 28.69455 | 36.32511 | 2.66769 | 45.67231 | 33.54696 | -0.11046 | 49.58046 | 44.10922 | 10.4518 | 31.7582 |
| 12/20/2024 | 1:00:00 PM | 33.67414 | 52.35002 | 18.67588 | 28.70412 | 36.32511 | 2.65097 | 45.68903 | 33.55059 | -0.12355 | 49.59355 | 44.13065 | 10.45651 | 31.75349 |
| 12/20/2024 | 2:00:00 PM | 33.70758 | 52.42512 | 18.71754 | 28.66246 | 36.31437 | 2.60679 | 45.73321 | 33.5833 | -0.12428 | 49.59428 | 44.23779 | 10.53021 | 31.67979 |
| 12/20/2024 | 3:00:00 PM | 33.71427 | 52.42512 | 18.71085 | 28.66915 | 36.31079 | 2.59652 | 45.74348 | 33.5942 | -0.12007 | 49.59007 | 44.24493 | 10.53066 | 31.67934 |
| 12/20/2024 | 4:00:00 PM | 33.72096 | 52.43227 | 18.71131 | 28.66869 | 36.32153 | 2.60057 | 45.73943 | 33.59783 | -0.12313 | 49.59313 | 44.25565 | 10.53469 | 31.67531 |
| 12/20/2024 | 5:00:00 PM | 33.72096 | 52.43942 | 18.71846 | 28.66154 | 36.31795 | 2.59699 | 45.74301 | 33.60147 | -0.11949 | 49.58949 | 44.26279 | 10.54183 | 31.66817 |
| 12/20/2024 | 6:00:00 PM | 33.71761 | 52.4287 | 18.71109 | 28.66891 | 36.31795 | 2.60034 | 45.73966 | 33.59783 | -0.11978 | 49.58978 | 44.22708 | 10.50947 | 31.70053 |
| 12/20/2024 | 7:00:00 PM | 33.70424 | 52.4287 | 18.72446 | 28.65554 | 36.31437 | 2.61013 | 45.72987 | 33.6051 | -0.09914 | 49.56914 | 44.23779 | 10.53355 | 31.67645 |
| 12/20/2024 | 8:00:00 PM | 33.70758 | 52.4287 | 18.72112 | 28.65888 | 36.31795 | 2.61037 | 45.72963 | 33.60874 | -0.09884 | 49.56884 | 44.2485 | 10.54092 | 31.66908 |
| 12/20/2024 | 9:00:00 PM | 33.68752 | 52.39651 | 18.70899 | 28.67101 | 36.31437 | 2.62685 | 45.71315 | 33.58693 | -0.10059 | 49.57059 | 44.19136 | 10.50384 | 31.70616 |
| 12/20/2024 | 10:00:00 PM | 33.6708 | 52.3679 | 18.6971 | 28.6829 | 36.31437 | 2.64357 | 45.69643 | 33.57603 | -0.09477 | 49.56477 | 44.12708 | 10.45628 | 31.75372 |
| 12/20/2024 | 11:00:00 PM | 33.65408 | 52.34645 | 18.69237 | 28.68763 | 36.31795 | 2.66387 | 45.67613 | 33.55786 | -0.09622 | 49.56622 | 44.09137 | 10.43729 | 31.77271 |
| 12/21/2024 | 12:00:00 AM | 33.6407 | 52.31426 | 18.67356 | 28.70644 | 36.31437 | 2.67367 | 45.66633 | 33.53242 | -0.10828 | 49.57828 | 44.01994 | 10.37924 | 31.83076 |
| 12/21/2024 | 1:00:00 AM | 33.6106 | 52.24989 | 18.63929 | 28.74071 | 36.30363 | 2.69303 | 45.64697 | 33.50335 | -0.10725 | 49.57725 | 43.89494 | 10.28434 | 31.92566 |
| 12/21/2024 | 2:00:00 AM | 33.57382 | 52.2034 | 18.62958 | 28.75042 | 36.29647 | 2.72265 | 45.61735 | 33.45974 | -0.11408 | 49.58408 | 43.82352 | 10.2497 | 31.9603 |
| 12/21/2024 | 3:00:00 AM | 33.49691 | 52.14976 | 18.65285 | 28.72715 | 36.29289 | 2.79598 | 45.54402 | 33.4234 | -0.07351 | 49.54351 | 43.74138 | 10.24447 | 31.96553 |
| 12/21/2024 | 4:00:00 AM | 33.45678 | 52.11043 | 18.65365 | 28.72635 | 36.27499 | 2.81821 | 45.52179 | 33.38342 | -0.07336 | 49.54336 | 43.68424 | 10.22746 | 31.98254 |
| 12/21/2024 | 5:00:00 AM | 33.3899 | 52.04963 | 18.65973 | 28.72027 | 36.2571 | 2.8672 | 45.4728 | 33.34344 | -0.04646 | 49.51646 | 43.63067 | 10.24077 | 31.96923 |
| 12/21/2024 | 6:00:00 AM | 33.39659 | 52.06751 | 18.67092 | 28.70908 | 36.25352 | 2.85693 | 45.48307 | 33.32164 | -0.07495 | 49.54495 | 43.6271 | 10.23051 | 31.97949 |
| 12/21/2024 | 7:00:00 AM | 33.40328 | 52.07467 | 18.67139 | 28.70861 | 36.23204 | 2.82876 | 45.51124 | 33.31074 | -0.09254 | 49.56254 | 43.61638 | 10.2131 | 31.9969 |
| 12/21/2024 | 8:00:00 AM | 33.41665 | 52.0997 | 18.68305 | 28.69695 | 36.21772 | 2.80107 | 45.53893 | 33.318 | -0.09865 | 49.56865 | 43.6271 | 10.21045 | 31.99955 |
| 12/21/2024 | 9:00:00 AM | 33.45344 | 52.17837 | 18.72493 | 28.65507 | 36.20698 | 2.75354 | 45.58646 | 33.33618 | -0.11726 | 49.58726 | 43.73781 | 10.28437 | 31.92563 |
| 12/21/2024 | 10:00:00 AM | 33.49022 | 52.22844 | 18.73822 | 28.64178 | 36.19266 | 2.70244 | 45.63756 | 33.37615 | -0.11407 | 49.58407 | 43.84495 | 10.35473 | 31.85527 |
| 12/21/2024 | 11:00:00 AM | 33.50025 | 52.24989 | 18.74964 | 28.63036 | 36.17835 | 2.6781 | 45.6619 | 33.39432 | -0.10593 | 49.57593 | 43.88423 | 10.38398 | 31.82602 |
| 12/21/2024 | 12:00:00 PM | 33.51028 | 52.2785 | 18.76822 | 28.61178 | 36.17835 | 2.66807 | 45.67193 | 33.41613 | -0.09415 | 49.56415 | 43.90923 | 10.39895 | 31.81105 |
| 12/21/2024 | 1:00:00 PM | 33.52366 | 52.30353 | 18.77987 | 28.60013 | 36.17477 | 2.65111 | 45.68889 | 33.4234 | -0.10026 | 49.57026 | 43.94137 | 10.41771 | 31.79229 |
| 12/21/2024 | 2:00:00 PM | 33.527 | 52.31426 | 18.78726 | 28.59274 | 36.17119 | 2.64419 | 45.69581 | 33.43793 | -0.08907 | 49.55907 | 43.96637 | 10.43937 | 31.77063 |
| 12/21/2024 | 3:00:00 PM | 33.54038 | 52.32499 | 18.78461 | 28.59539 | 36.17477 | 2.63439 | 45.70561 | 33.46337 | -0.07701 | 49.54701 | 44.0378 | 10.49742 | 31.71258 |
| 12/21/2024 | 4:00:00 PM | 33.53369 | 52.32141 | 18.78772 | 28.59228 | 36.17477 | 2.64108 | 45.69892 | 33.48154 | -0.05215 | 49.52215 | 44.08422 | 10.55053 | 31.65947 |
| 12/21/2024 | 5:00:00 PM | 33.55376 | 52.36075 | 18.80699 | 28.57301 | 36.17835 | 2.62459 | 45.71541 | 33.50698 | -0.04678 | 49.51678 | 44.14136 | 10.5876 | 31.6224 |
| 12/21/2024 | 6:00:00 PM | 33.56044 | 52.37148 | 18.81104 | 28.56896 | 36.17835 | 2.61791 | 45.72209 | 33.52515 | -0.03529 | 49.50529 | 44.16993 | 10.60949 | 31.60051 |
| 12/21/2024 | 7:00:00 PM | 33.57716 | 52.39651 | 18.81935 | 28.56065 | 36.18193 | 2.60477 | 45.73523 | 33.52515 | -0.05201 | 49.52201 | 44.20208 | 10.62492 | 31.58508 |
| 12/21/2024 | 8:00:00 PM | 33.59388 | 52.42154 | 18.82766 | 28.55234 | 36.19624 | 2.60236 | 45.73764 | 33.55059 | -0.04329 | 49.51329 | 44.23779 | 10.64391 | 31.56609 |
| 12/21/2024 | 9:00:00 PM | 33.62398 | 52.43942 | 18.81544 | 28.56456 | 36.19624 | 2.57226 | 45.76774 | 33.5724 | -0.05158 | 49.52158 | 44.28064 | 10.65666 | 31.55334 |
| 12/21/2024 | 10:00:00 PM | 33.63401 | 52.46088 | 18.82687 | 28.55313 | 36.21772 | 2.58371 | 45.75629 | 33.57966 | -0.05435 | 49.52435 | 44.31636 | 10.68235 | 31.52765 |
| 12/21/2024 | 11:00:00 PM | 33.65073 | 52.46088 | 18.81015 | 28.56985 | 36.2213 | 2.57057 | 45.76943 | 33.59783 | -0.0529 | 49.5229 | 44.33064 | 10.67991 | 31.53009 |
| 12/22/2024 | 12:00:00 AM | 33.64404 | 52.46446 | 18.82042 | 28.55958 | 36.22488 | 2.58084 | 45.75916 | 33.61237 | -0.03167 | 49.50167 | 44.34136 | 10.69732 | 31.51268 |
| 12/22/2024 | 1:00:00 AM | 33.63736 | 52.45373 | 18.81637 | 28.56363 | 36.23562 | 2.59826 | 45.74174 | 33.60874 | -0.02862 | 49.49862 | 44.32707 | 10.68971 | 31.52029 |
| 12/22/2024 | 2:00:00 AM | 33.64404 | 52.4573 | 18.81326 | 28.56674 | 36.24278 | 2.59874 | 45.74126 | 33.61237 | -0.03167 | 49.50167 | 44.31636 | 10.67232 | 31.53768 |
| 12/22/2024 | 3:00:00 AM | 33.65073 | 52.46088 | 18.81015 | 28.56985 | 36.2571 | 2.60637 | 45.73363 | 33.61237 | -0.03836 | 49.50836 | 44.33421 | 10.68348 | 31.52652 |
| 12/22/2024 | 4:00:00 AM | 33.64739 | 52.45373 | 18.80634 | 28.57366 | 36.26068 | 2.61329 | 45.72671 | 33.60874 | -0.03865 | 49.50865 | 44.31279 | 10.6654 | 31.5446 |
| 12/22/2024 | 5:00:00 AM | 33.63401 | 52.4287 | 18.79469 | 28.58531 | 36.26783 | 2.63382 | 45.70618 | 33.59783 | -0.03618 | 49.50618 | 44.26993 | 10.63592 | 31.57408 |
| 12/22/2024 | 6:00:00 AM | 33.61729 | 52.40009 | 18.7828 | 28.5972 | 36.27141 | 2.65412 | 45.68588 | 33.57603 | -0.04126 | 49.51126 | 44.20208 | 10.58479 | 31.62521 |
| 12/22/2024 | 7:00:00 AM | 33.60726 | 52.38578 | 18.77852 | 28.60148 | 36.26425 | 2.65699 | 45.68301 | 33.55786 | -0.0494 | 49.5194 | 44.13422 | 10.52696 | 31.68304 |
| 12/22/2024 | 8:00:00 AM | 33.57716 | 52.33214 | 18.75498 | 28.62502 | 36.27141 | 2.69425 | 45.64575 | 33.53242 | -0.04474 | 49.51474 | 44.06994 | 10.49278 | 31.71722 |
| 12/22/2024 | 9:00:00 AM | 33.58051 | 52.34287 | 18.76236 | 28.61764 | 36.27857 | 2.69806 | 45.64194 | 33.52152 | -0.05899 | 49.52899 | 44.08422 | 10.50371 | 31.70629 |
| 12/22/2024 | 10:00:00 AM | 33.59054 | 52.33572 | 18.74518 | 28.63482 | 36.27499 | 2.68445 | 45.65555 | 33.52152 | -0.06902 | 49.53902 | 44.07708 | 10.48654 | 31.72346 |
| 12/22/2024 | 11:00:00 AM | 33.5872 | 52.33214 | 18.74494 | 28.63506 | 36.27499 | 2.68779 | 45.65221 | 33.51061 | -0.07659 | 49.54659 | 44.05208 | 10.46488 | 31.74512 |
| 12/22/2024 | 12:00:00 PM | 33.56713 | 52.28208 | 18.71495 | 28.66505 | 36.26425 | 2.69712 | 45.64288 | 33.48881 | -0.07832 | 49.54832 | 43.94137 | 10.37424 | 31.83576 |
| 12/22/2024 | 1:00:00 PM | 33.50694 | 52.23559 | 18.72865 | 28.65135 | 36.25352 | 2.74658 | 45.59342 | 33.44883 | -0.05811 | 49.52811 | 43.84495 | 10.33801 | 31.87199 |
| 12/22/2024 | 2:00:00 PM | 33.49022 | 52.21771 | 18.72749 | 28.65251 | 36.25352 | 2.7633 | 45.5767 | 33.4234 | -0.06682 | 49.53682 | 43.80209 | 10.31187 | 31.89813 |
| 12/22/2024 | 3:00:00 PM | 33.4735 | 52.20698 | 18.73348 | 28.64652 | 36.24636 | 2.77286 | 45.56714 | 33.40159 | -0.07191 | 49.54191 | 43.76638 | 10.29288 | 31.91712 |
| 12/22/2024 | 4:00:00 PM | 33.47016 | 52.18195 | 18.71179 | 28.66821 | 36.23562 | 2.76546 | 45.57454 | 33.39069 | -0.07947 | 49.54947 | 43.79138 | 10.32122 | 31.88878 |
| 12/22/2024 | 5:00:00 PM | 33.4735 | 52.18552 | 18.71202 | 28.66798 | 36.22846 | 2.75496 | 45.58504 | 33.38705 | -0.08645 | 49.55645 | 43.78423 | 10.31073 | 31.89927 |
| 12/22/2024 | 6:00:00 PM | 33.4735 | 52.18552 | 18.71202 | 28.66798 | 36.2213 | 2.7478 | 45.5922 | 33.38705 | -0.08645 | 49.55645 | 43.79852 | 10.32502 | 31.88498 |
| 12/22/2024 | 7:00:00 PM | 33.48353 | 52.19983 | 18.7163 | 28.6637 | 36.2034 | 2.71987 | 45.62013 | 33.38705 | -0.09648 | 49.56648 | 43.80209 | 10.31856 | 31.89144 |
| 12/22/2024 | 8:00:00 PM | 33.48688 | 52.22128 | 18.7344 | 28.6456 | 36.20698 | 2.7201 | 45.6199 | 33.39796 | -0.08892 | 49.55892 | 43.83066 | 10.34378 | 31.86622 |
| 12/22/2024 | 9:00:00 PM | 33.50694 | 52.25704 | 18.7501 | 28.6299 | 36.19266 | 2.68572 | 45.65428 | 33.41249 | -0.09445 | 49.56445 | 43.88066 | 10.37372 | 31.83628 |
| 12/22/2024 | 10:00:00 PM | 33.51697 | 52.29281 | 18.77584 | 28.60416 | 36.19266 | 2.67569 | 45.66431 | 33.4343 | -0.08267 | 49.55267 | 43.93423 | 10.41726 | 31.79274 |
| 12/22/2024 | 11:00:00 PM | 33.53035 | 52.31069 | 18.78034 | 28.59966 | 36.18551 | 2.65516 | 45.68484 | 33.45247 | -0.07788 | 49.54788 | 43.98423 | 10.45388 | 31.75612 |
| 12/23/2024 | 12:00:00 AM | 33.53704 | 52.32499 | 18.78795 | 28.59205 | 36.18193 | 2.64489 | 45.69511 | 33.46337 | -0.07367 | 49.54367 | 44.02351 | 10.48647 | 31.72353 |
| 12/23/2024 | 1:00:00 AM | 33.5571 | 52.36433 | 18.80723 | 28.57277 | 36.18908 | 2.63198 | 45.70802 | 33.48518 | -0.07192 | 49.54192 | 44.10208 | 10.54498 | 31.66502 |
| 12/23/2024 | 2:00:00 AM | 33.57048 | 52.40009 | 18.82961 | 28.55039 | 36.18908 | 2.6186 | 45.7214 | 33.51425 | -0.05623 | 49.52623 | 44.16279 | 10.59231 | 31.61769 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/23/2024 | 3:00:00 AM | 33.61729 | 52.45015 | 18.83286 | 28.54714 | 36.18551 | 2.56822 | 45.77178 | 33.54332 | -0.07397 | 49.54397 | 44.24493 | 10.62764 | 31.58236 |
| 12/23/2024 | 4:00:00 AM | 33.66745 | 52.50737 | 18.83992 | 28.54008 | 36.2034 | 2.53595 | 45.80405 | 33.57966 | -0.08779 | 49.55779 | 44.33779 | 10.67034 | 31.53966 |
| 12/23/2024 | 5:00:00 AM | 33.68417 | 52.52525 | 18.84108 | 28.53892 | 36.21056 | 2.52639 | 45.81361 | 33.60874 | -0.07543 | 49.54543 | 44.38421 | 10.70004 | 31.50996 |
| 12/23/2024 | 6:00:00 AM | 33.70758 | 52.54313 | 18.83555 | 28.54445 | 36.22488 | 2.5173 | 45.8227 | 33.62691 | -0.08067 | 49.55067 | 44.41635 | 10.70877 | 31.50123 |
| 12/23/2024 | 7:00:00 AM | 33.73099 | 52.56816 | 18.83717 | 28.54283 | 36.23204 | 2.50105 | 45.83895 | 33.64871 | -0.08228 | 49.55228 | 44.4485 | 10.71751 | 31.49249 |
| 12/23/2024 | 8:00:00 AM | 33.73768 | 52.56816 | 18.83048 | 28.54952 | 36.2392 | 2.50152 | 45.83848 | 33.66325 | -0.07443 | 49.54443 | 44.46992 | 10.73224 | 31.47776 |
| 12/23/2024 | 9:00:00 AM | 33.71427 | 52.54313 | 18.82886 | 28.55114 | 36.2571 | 2.54283 | 45.79717 | 33.65598 | -0.05829 | 49.52829 | 44.41278 | 10.69851 | 31.51149 |
| 12/23/2024 | 10:00:00 AM | 33.71761 | 52.5324 | 18.81479 | 28.56521 | 36.26783 | 2.55022 | 45.78978 | 33.65235 | -0.06526 | 49.53526 | 44.40564 | 10.68803 | 31.52197 |
| 12/23/2024 | 11:00:00 AM | 33.73099 | 52.54671 | 18.81572 | 28.56428 | 36.27857 | 2.54758 | 45.79242 | 33.66688 | -0.06411 | 49.53411 | 44.4235 | 10.69251 | 31.51749 |
| 12/23/2024 | 12:00:00 PM | 33.74102 | 52.52883 | 18.78781 | 28.59219 | 36.28931 | 2.54829 | 45.79171 | 33.66325 | -0.07777 | 49.54777 | 44.38421 | 10.64319 | 31.56681 |
| 12/23/2024 | 1:00:00 PM | 33.72764 | 52.50022 | 18.77258 | 28.60742 | 36.29289 | 2.56525 | 45.77475 | 33.63781 | -0.08983 | 49.55983 | 44.33421 | 10.60657 | 31.60343 |
| 12/23/2024 | 2:00:00 PM | 33.70758 | 52.46088 | 18.7533 | 28.6267 | 36.30363 | 2.59605 | 45.74395 | 33.61601 | -0.09157 | 49.56157 | 44.25565 | 10.54807 | 31.66193 |
| 12/23/2024 | 3:00:00 PM | 33.67748 | 52.41439 | 18.73691 | 28.64309 | 36.31079 | 2.63331 | 45.70669 | 33.58693 | -0.09055 | 49.56055 | 44.15922 | 10.48174 | 31.72826 |
| 12/23/2024 | 4:00:00 PM | 33.61729 | 52.33572 | 18.71843 | 28.66157 | 36.30721 | 2.68992 | 45.65008 | 33.55059 | -0.0667 | 49.5367 | 44.03065 | 10.41336 | 31.79664 |
| 12/23/2024 | 5:00:00 PM | 33.54372 | 52.2785 | 18.73478 | 28.64522 | 36.30363 | 2.75991 | 45.58009 | 33.50698 | -0.03674 | 49.50674 | 43.90566 | 10.36194 | 31.84806 |
| 12/23/2024 | 6:00:00 PM | 33.52032 | 52.26062 | 18.7403 | 28.6397 | 36.30005 | 2.77973 | 45.56027 | 33.46701 | -0.05331 | 49.52331 | 43.87352 | 10.3532 | 31.8568 |
| 12/23/2024 | 7:00:00 PM | 33.43337 | 52.12473 | 18.69136 | 28.68864 | 36.28931 | 2.85594 | 45.48406 | 33.41976 | -0.01361 | 49.48361 | 43.75566 | 10.32229 | 31.88771 |
| 12/23/2024 | 8:00:00 PM | 33.34643 | 52.05321 | 18.70678 | 28.67322 | 36.27499 | 2.92856 | 45.41144 | 33.35798 | 0.01155 | 49.45845 | 43.68424 | 10.33781 | 31.87219 |
| 12/23/2024 | 9:00:00 PM | 33.34643 | 52.05321 | 18.70678 | 28.67322 | 36.26783 | 2.9214 | 45.4186 | 33.32891 | -0.01752 | 49.48752 | 43.66995 | 10.32352 | 31.88648 |
| 12/23/2024 | 10:00:00 PM | 33.31633 | 52.02102 | 18.70469 | 28.67531 | 36.24636 | 2.93003 | 45.40997 | 33.29257 | -0.02376 | 49.49376 | 43.63067 | 10.31434 | 31.89566 |
| 12/23/2024 | 11:00:00 PM | 33.30296 | 52.03175 | 18.72879 | 28.65121 | 36.23204 | 2.92908 | 45.41092 | 33.27803 | -0.02493 | 49.49493 | 43.61995 | 10.31699 | 31.89301 |
| 12/24/2024 | 12:00:00 AM | 33.29961 | 52.01387 | 18.71426 | 28.66574 | 36.20698 | 2.90737 | 45.43263 | 33.25259 | -0.04702 | 49.51702 | 43.58424 | 10.28463 | 31.92537 |
| 12/24/2024 | 1:00:00 AM | 33.32302 | 52.06036 | 18.73734 | 28.64266 | 36.18908 | 2.86606 | 45.47394 | 33.24896 | -0.07406 | 49.54406 | 43.62352 | 10.3005 | 31.9095 |
| 12/24/2024 | 2:00:00 AM | 33.34977 | 52.12473 | 18.77496 | 28.60504 | 36.17835 | 2.82858 | 45.51142 | 33.2853 | -0.06447 | 49.53447 | 43.72709 | 10.37732 | 31.83268 |
| 12/24/2024 | 3:00:00 AM | 33.35312 | 52.15334 | 18.80022 | 28.57978 | 36.16403 | 2.81091 | 45.52909 | 33.30347 | -0.04965 | 49.51965 | 43.75209 | 10.39897 | 31.81103 |
| 12/24/2024 | 4:00:00 AM | 33.3598 | 52.16407 | 18.80427 | 28.57573 | 36.15329 | 2.79349 | 45.54651 | 33.31074 | -0.04906 | 49.51906 | 43.78423 | 10.42443 | 31.78557 |
| 12/24/2024 | 5:00:00 AM | 33.36649 | 52.17122 | 18.80473 | 28.57527 | 36.14255 | 2.77606 | 45.56394 | 33.318 | -0.04849 | 49.51849 | 43.8128 | 10.44631 | 31.76369 |
| 12/24/2024 | 6:00:00 AM | 33.36649 | 52.18195 | 18.81546 | 28.56454 | 36.14255 | 2.77606 | 45.56394 | 33.32527 | -0.04122 | 49.51122 | 43.81637 | 10.44988 | 31.76012 |
| 12/24/2024 | 7:00:00 AM | 33.37987 | 52.21056 | 18.83069 | 28.54931 | 36.13181 | 2.75194 | 45.58806 | 33.33254 | -0.04733 | 49.51733 | 43.86637 | 10.4865 | 31.7235 |
| 12/24/2024 | 8:00:00 AM | 33.37987 | 52.22128 | 18.84141 | 28.53859 | 36.12823 | 2.74836 | 45.59164 | 33.34344 | -0.03643 | 49.50643 | 43.89494 | 10.51507 | 31.69493 |
| 12/24/2024 | 9:00:00 AM | 33.39993 | 52.26777 | 18.86784 | 28.51216 | 36.12823 | 2.7283 | 45.6117 | 33.37252 | -0.02741 | 49.49741 | 43.96637 | 10.56644 | 31.64356 |
| 12/24/2024 | 10:00:00 AM | 33.41331 | 52.29281 | 18.8795 | 28.5005 | 36.12465 | 2.71134 | 45.62866 | 33.38705 | -0.02626 | 49.49626 | 44.02351 | 10.6102 | 31.5998 |
| 12/24/2024 | 11:00:00 AM | 33.45009 | 52.31426 | 18.86417 | 28.51583 | 36.12465 | 2.67456 | 45.66544 | 33.41613 | -0.03396 | 49.50396 | 44.07708 | 10.62699 | 31.58301 |
| 12/24/2024 | 12:00:00 PM | 33.45009 | 52.31069 | 18.8606 | 28.5194 | 36.12823 | 2.67814 | 45.66186 | 33.42703 | -0.02306 | 49.49306 | 44.08065 | 10.63056 | 31.57944 |
| 12/24/2024 | 1:00:00 PM | 33.46681 | 52.32857 | 18.86176 | 28.51824 | 36.12823 | 2.66142 | 45.67858 | 33.43793 | -0.02888 | 49.49888 | 44.08779 | 10.62098 | 31.58902 |
| 12/24/2024 | 2:00:00 PM | 33.47684 | 52.34287 | 18.86603 | 28.51397 | 36.13181 | 2.65497 | 45.68503 | 33.44883 | -0.02801 | 49.49801 | 44.13065 | 10.65381 | 31.55619 |
| 12/24/2024 | 3:00:00 PM | 33.49691 | 52.3679 | 18.87099 | 28.50901 | 36.14613 | 2.64922 | 45.69078 | 33.46337 | -0.03354 | 49.50354 | 44.15208 | 10.65517 | 31.55483 |
| 12/24/2024 | 4:00:00 PM | 33.52032 | 52.38221 | 18.86189 | 28.51811 | 36.14971 | 2.62939 | 45.71061 | 33.47427 | -0.04605 | 49.51605 | 44.1985 | 10.67818 | 31.53182 |
| 12/24/2024 | 5:00:00 PM | 33.54372 | 52.41082 | 18.8671 | 28.5129 | 36.15687 | 2.61315 | 45.72685 | 33.49608 | -0.04764 | 49.51764 | 44.23779 | 10.69407 | 31.51593 |
| 12/24/2024 | 6:00:00 PM | 33.56379 | 52.43585 | 18.87206 | 28.50794 | 36.16403 | 2.60024 | 45.73976 | 33.51425 | -0.04954 | 49.51954 | 44.28779 | 10.724 | 31.486 |
| 12/24/2024 | 7:00:00 PM | 33.58385 | 52.45373 | 18.86988 | 28.51012 | 36.17477 | 2.59092 | 45.74908 | 33.52152 | -0.06233 | 49.53233 | 44.31279 | 10.72894 | 31.48106 |
| 12/24/2024 | 8:00:00 PM | 33.59723 | 52.46803 | 18.8708 | 28.5092 | 36.17835 | 2.58112 | 45.75888 | 33.54696 | -0.05027 | 49.52027 | 44.34493 | 10.7477 | 31.4623 |
| 12/24/2024 | 9:00:00 PM | 33.60057 | 52.41797 | 18.8174 | 28.5626 | 36.19266 | 2.59209 | 45.74791 | 33.55422 | -0.04635 | 49.51635 | 44.34136 | 10.74079 | 31.46921 |
| 12/24/2024 | 10:00:00 PM | 33.62398 | 52.45015 | 18.82617 | 28.55383 | 36.19982 | 2.57584 | 45.76416 | 33.56876 | -0.05522 | 49.52522 | 44.3985 | 10.77452 | 31.43548 |
| 12/24/2024 | 11:00:00 PM | 33.65408 | 52.47876 | 18.82468 | 28.55532 | 36.2034 | 2.54932 | 45.79068 | 33.57966 | -0.07442 | 49.54442 | 44.45207 | 10.79799 | 31.41201 |
| 12/25/2024 | 12:00:00 AM | 33.6708 | 52.50022 | 18.82942 | 28.55058 | 36.21772 | 2.54692 | 45.79308 | 33.59783 | -0.07297 | 49.54297 | 44.48778 | 10.81698 | 31.39302 |
| 12/25/2024 | 1:00:00 AM | 33.66076 | 52.46803 | 18.80727 | 28.57273 | 36.22846 | 2.5677 | 45.7723 | 33.60147 | -0.05929 | 49.52929 | 44.43778 | 10.77702 | 31.43298 |
| 12/25/2024 | 2:00:00 AM | 33.6407 | 52.443 | 18.8023 | 28.5777 | 36.23204 | 2.59134 | 45.74866 | 33.5942 | -0.0465 | 49.5165 | 44.40564 | 10.76494 | 31.44506 |
| 12/25/2024 | 3:00:00 AM | 33.65073 | 52.4573 | 18.80657 | 28.57343 | 36.24994 | 2.59921 | 45.74079 | 33.59783 | -0.0529 | 49.5229 | 44.41993 | 10.7692 | 31.4408 |
| 12/25/2024 | 4:00:00 AM | 33.63736 | 52.43227 | 18.79491 | 28.58509 | 36.26068 | 2.62332 | 45.71668 | 33.5833 | -0.05406 | 49.52406 | 44.3735 | 10.73614 | 31.47386 |
| 12/25/2024 | 5:00:00 AM | 33.62398 | 52.41439 | 18.79041 | 28.58959 | 36.26425 | 2.64027 | 45.69973 | 33.57603 | -0.04795 | 49.51795 | 44.34136 | 10.71738 | 31.49262 |
| 12/25/2024 | 6:00:00 AM | 33.61395 | 52.39294 | 18.77899 | 28.60101 | 36.26425 | 2.6503 | 45.6897 | 33.55786 | -0.05609 | 49.52609 | 44.2985 | 10.68455 | 31.52545 |
| 12/25/2024 | 7:00:00 AM | 33.61395 | 52.37505 | 18.7611 | 28.6189 | 36.26783 | 2.65388 | 45.68612 | 33.54696 | -0.06699 | 49.53699 | 44.27707 | 10.66312 | 31.54688 |
| 12/25/2024 | 8:00:00 AM | 33.59723 | 52.35002 | 18.75279 | 28.62721 | 36.26783 | 2.6706 | 45.6694 | 33.52152 | -0.07571 | 49.54571 | 44.1985 | 10.60127 | 31.60873 |
| 12/25/2024 | 9:00:00 AM | 33.59054 | 52.32499 | 18.73445 | 28.64555 | 36.26425 | 2.67371 | 45.66629 | 33.50698 | -0.08356 | 49.55356 | 44.14851 | 10.55797 | 31.65203 |
| 12/25/2024 | 10:00:00 AM | 33.5872 | 52.33572 | 18.74852 | 28.63148 | 36.26783 | 2.68063 | 45.65937 | 33.49608 | -0.09112 | 49.56112 | 44.16993 | 10.58273 | 31.62727 |
| 12/25/2024 | 11:00:00 AM | 33.5571 | 52.27135 | 18.71425 | 28.66575 | 36.26425 | 2.70715 | 45.63285 | 33.47064 | -0.08646 | 49.55646 | 44.04494 | 10.48784 | 31.72216 |
| 12/25/2024 | 12:00:00 PM | 33.5036 | 52.22486 | 18.72126 | 28.65874 | 36.26068 | 2.75708 | 45.58292 | 33.44157 | -0.06203 | 49.53203 | 43.95923 | 10.45563 | 31.75437 |
| 12/25/2024 | 1:00:00 PM | 33.47684 | 52.20698 | 18.73014 | 28.64986 | 36.24994 | 2.7731 | 45.5669 | 33.41613 | -0.06071 | 49.53071 | 43.90566 | 10.42882 | 31.78118 |
| 12/25/2024 | 2:00:00 PM | 33.46012 | 52.1891 | 18.72898 | 28.65102 | 36.24636 | 2.78624 | 45.55376 | 33.39069 | -0.06943 | 49.53943 | 43.85566 | 10.39554 | 31.81446 |
| 12/25/2024 | 3:00:00 PM | 33.43672 | 52.1748 | 18.73808 | 28.64192 | 36.2392 | 2.80248 | 45.53752 | 33.36888 | -0.06784 | 49.53784 | 43.81637 | 10.37965 | 31.83035 |
| 12/25/2024 | 4:00:00 PM | 33.37987 | 52.12115 | 18.74128 | 28.63872 | 36.22846 | 2.84859 | 45.49141 | 33.33981 | -0.04006 | 49.51006 | 43.72352 | 10.34365 | 31.86635 |
| 12/25/2024 | 5:00:00 PM | 33.3598 | 52.0997 | 18.7399 | 28.6401 | 36.21772 | 2.85792 | 45.48208 | 33.31074 | -0.04906 | 49.51906 | 43.69495 | 10.33515 | 31.87485 |
| 12/25/2024 | 6:00:00 PM | 33.33974 | 52.08182 | 18.74208 | 28.63792 | 36.19624 | 2.8565 | 45.4835 | 33.29257 | -0.04717 | 49.51717 | 43.64495 | 10.30521 | 31.90479 |
| 12/25/2024 | 7:00:00 PM | 33.28289 | 52.0246 | 18.74171 | 28.63829 | 36.18908 | 2.90619 | 45.43381 | 33.25986 | -0.02303 | 49.49303 | 43.58781 | 10.30492 | 31.90508 |
| 12/25/2024 | 8:00:00 PM | 33.23608 | 51.99242 | 18.75634 | 28.62366 | 36.17119 | 2.93511 | 45.40489 | 33.22352 | -0.01256 | 49.48256 | 43.54496 | 10.30888 | 31.90112 |
| 12/25/2024 | 9:00:00 PM | 33.17254 | 51.93877 | 18.76623 | 28.61377 | 36.15329 | 2.98075 | 45.35925 | 33.18354 | 0.011 | 49.459 | 43.51639 | 10.34385 | 31.86615 |
| 12/25/2024 | 10:00:00 PM | 33.10566 | 51.88156 | 18.7759 | 28.6041 | 36.13539 | 3.02973 | 45.31027 | 33.13266 | 0.027 | 49.443 | 43.44139 | 10.33573 | 31.87427 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/25/2024 | 11:00:00 PM | 33.0555 | 51.83507 | 18.77957 | 28.60043 | 36.10676 | 3.05126 | 45.28874 | 33.08178 | 0.02628 | 49.44372 | 43.41996 | 10.36446 | 31.84554 |
| 12/26/2024 | 12:00:00 AM | 32.96187 | 51.7564 | 18.79453 | 28.58547 | 36.08886 | 3.12699 | 45.21301 | 33.03091 | 0.06904 | 49.40096 | 43.34853 | 10.38666 | 31.82334 |
| 12/26/2024 | 1:00:00 AM | 32.91171 | 51.72421 | 18.8125 | 28.5675 | 36.05664 | 3.14493 | 45.19507 | 32.97639 | 0.06468 | 49.40532 | 43.33068 | 10.41897 | 31.79103 |
| 12/26/2024 | 2:00:00 AM | 32.89833 | 51.6956 | 18.79727 | 28.58273 | 36.01727 | 3.11894 | 45.22106 | 32.93642 | 0.03809 | 49.43191 | 43.28782 | 10.38949 | 31.82051 |
| 12/26/2024 | 3:00:00 AM | 32.88161 | 51.66699 | 18.78538 | 28.59462 | 35.98863 | 3.10702 | 45.23298 | 32.89644 | 0.01483 | 49.45517 | 43.25568 | 10.37407 | 31.83593 |
| 12/26/2024 | 4:00:00 AM | 32.82142 | 51.65627 | 18.83485 | 28.54515 | 35.94926 | 3.12784 | 45.21216 | 32.871 | 0.04958 | 49.42042 | 43.21997 | 10.39855 | 31.81145 |
| 12/26/2024 | 5:00:00 AM | 32.82142 | 51.64554 | 18.82412 | 28.55588 | 35.91346 | 3.09204 | 45.24796 | 32.84193 | 0.02051 | 49.44949 | 43.18782 | 10.3664 | 31.8436 |
| 12/26/2024 | 6:00:00 AM | 32.83145 | 51.65984 | 18.82839 | 28.55161 | 35.87767 | 3.04622 | 45.29378 | 32.83466 | 0.00321 | 49.46679 | 43.1914 | 10.35995 | 31.85005 |
| 12/26/2024 | 7:00:00 AM | 32.84483 | 51.70991 | 18.86508 | 28.51492 | 35.85261 | 3.00778 | 45.33222 | 32.83829 | -0.00654 | 49.47654 | 43.26996 | 10.42513 | 31.78487 |
| 12/26/2024 | 8:00:00 AM | 32.85486 | 51.73494 | 18.88008 | 28.49992 | 35.83471 | 2.97985 | 45.36015 | 32.85647 | 0.00161 | 49.46839 | 43.35568 | 10.50082 | 31.70918 |
| 12/26/2024 | 9:00:00 AM | 32.8883 | 51.81004 | 18.92174 | 28.45826 | 35.82039 | 2.93209 | 45.40791 | 32.88554 | -0.00276 | 49.47276 | 43.4771 | 10.5888 | 31.6212 |
| 12/26/2024 | 10:00:00 AM | 32.9719 | 51.93877 | 18.96687 | 28.41313 | 35.80249 | 2.83059 | 45.50941 | 32.95095 | -0.02095 | 49.49095 | 43.70209 | 10.73019 | 31.47981 |
| 12/26/2024 | 11:00:00 AM | 33.0555 | 52.03533 | 18.97983 | 28.40017 | 35.80249 | 2.74699 | 45.59301 | 33.0091 | -0.0464 | 49.5164 | 43.85566 | 10.80016 | 31.40984 |
| 12/26/2024 | 12:00:00 PM | 33.10231 | 52.07467 | 18.97236 | 28.40764 | 35.80249 | 2.70018 | 45.63982 | 33.05998 | -0.04233 | 49.51233 | 43.9378 | 10.83549 | 31.37451 |
| 12/26/2024 | 1:00:00 PM | 33.14244 | 52.12115 | 18.97871 | 28.40129 | 35.79892 | 2.65648 | 45.68352 | 33.09269 | -0.04975 | 49.51975 | 43.99494 | 10.8525 | 31.3575 |
| 12/26/2024 | 2:00:00 PM | 33.16585 | 52.12473 | 18.95888 | 28.42112 | 35.80607 | 2.64022 | 45.69978 | 33.12176 | -0.04409 | 49.51409 | 44.05208 | 10.88623 | 31.32377 |
| 12/26/2024 | 3:00:00 PM | 33.20598 | 52.16407 | 18.95809 | 28.42191 | 35.81323 | 2.60725 | 45.73275 | 33.1472 | -0.05878 | 49.52878 | 44.10208 | 10.8961 | 31.3139 |
| 12/26/2024 | 4:00:00 PM | 33.21267 | 52.1748 | 18.96213 | 28.41787 | 35.81323 | 2.60056 | 45.73944 | 33.17264 | -0.04003 | 49.51003 | 44.12351 | 10.91084 | 31.29916 |
| 12/26/2024 | 5:00:00 PM | 33.21601 | 52.17837 | 18.96236 | 28.41764 | 35.83471 | 2.6187 | 45.7213 | 33.18354 | -0.03247 | 49.50247 | 44.12708 | 10.91107 | 31.29893 |
| 12/26/2024 | 6:00:00 PM | 33.23942 | 52.2034 | 18.96398 | 28.41602 | 35.84545 | 2.60603 | 45.73397 | 33.20171 | -0.03771 | 49.50771 | 44.15208 | 10.91266 | 31.29734 |
| 12/26/2024 | 7:00:00 PM | 33.22939 | 52.1891 | 18.95971 | 28.42029 | 35.85261 | 2.62322 | 45.71678 | 33.20171 | -0.02768 | 49.49768 | 44.13065 | 10.90126 | 31.30874 |
| 12/26/2024 | 8:00:00 PM | 33.22939 | 52.18552 | 18.95613 | 28.42387 | 35.85619 | 2.6268 | 45.7132 | 33.20898 | -0.02041 | 49.49041 | 44.12708 | 10.89769 | 31.31231 |
| 12/26/2024 | 9:00:00 PM | 33.21936 | 52.16764 | 18.94828 | 28.43172 | 35.87409 | 2.65473 | 45.68527 | 33.20171 | -0.01765 | 49.48765 | 44.09494 | 10.87558 | 31.33442 |
| 12/26/2024 | 10:00:00 PM | 33.20598 | 52.14619 | 18.94021 | 28.43979 | 35.87409 | 2.66811 | 45.67189 | 33.19081 | -0.01517 | 49.48517 | 44.04851 | 10.84253 | 31.36747 |
| 12/26/2024 | 11:00:00 PM | 33.19595 | 52.114 | 18.91805 | 28.46195 | 35.88124 | 2.68529 | 45.65471 | 33.17264 | -0.02331 | 49.49331 | 43.99137 | 10.79542 | 31.41458 |
| 12/27/2024 | 12:00:00 AM | 33.16585 | 52.06036 | 18.89451 | 28.48549 | 35.88482 | 2.71897 | 45.62103 | 33.14356 | -0.02229 | 49.49229 | 43.90209 | 10.73624 | 31.47376 |
| 12/27/2024 | 1:00:00 AM | 33.14579 | 52.03175 | 18.88596 | 28.49404 | 35.8884 | 2.74261 | 45.59739 | 33.11449 | -0.0313 | 49.5013 | 43.85209 | 10.7063 | 31.5037 |
| 12/27/2024 | 2:00:00 AM | 33.13576 | 52.01387 | 18.87811 | 28.50189 | 35.8884 | 2.75264 | 45.58736 | 33.10359 | -0.03217 | 49.50217 | 43.79138 | 10.65562 | 31.55438 |
| 12/27/2024 | 3:00:00 AM | 33.13241 | 52.00672 | 18.87431 | 28.50569 | 35.8884 | 2.75599 | 45.58401 | 33.08178 | -0.05063 | 49.52063 | 43.77709 | 10.64468 | 31.56532 |
| 12/27/2024 | 4:00:00 AM | 33.13241 | 52.01745 | 18.88504 | 28.49496 | 35.88124 | 2.74883 | 45.59117 | 33.07815 | -0.05426 | 49.52426 | 43.7878 | 10.65539 | 31.55461 |
| 12/27/2024 | 5:00:00 AM | 33.1391 | 52.0103 | 18.8712 | 28.5088 | 35.87767 | 2.73857 | 45.60143 | 33.07452 | -0.06458 | 49.53458 | 43.77709 | 10.63799 | 31.57201 |
| 12/27/2024 | 6:00:00 AM | 33.13241 | 52.01387 | 18.88146 | 28.49854 | 35.87767 | 2.74526 | 45.59474 | 33.07452 | -0.05789 | 49.52789 | 43.77352 | 10.64111 | 31.56889 |
| 12/27/2024 | 7:00:00 AM | 33.14244 | 52.04963 | 18.90719 | 28.47281 | 35.87051 | 2.72807 | 45.61193 | 33.07815 | -0.06429 | 49.53429 | 43.84137 | 10.69893 | 31.51107 |
| 12/27/2024 | 8:00:00 AM | 33.14579 | 52.04963 | 18.90384 | 28.47616 | 35.86693 | 2.72114 | 45.61886 | 33.09632 | -0.04947 | 49.51947 | 43.9128 | 10.76701 | 31.44299 |
| 12/27/2024 | 9:00:00 AM | 33.14579 | 52.05321 | 18.90742 | 28.47258 | 35.86335 | 2.71756 | 45.62244 | 33.10722 | -0.03857 | 49.50857 | 43.93423 | 10.78844 | 31.42156 |
| 12/27/2024 | 10:00:00 AM | 33.16585 | 52.0997 | 18.93385 | 28.44615 | 35.87051 | 2.70466 | 45.63534 | 33.13266 | -0.03319 | 49.50319 | 43.99851 | 10.83266 | 31.37734 |
| 12/27/2024 | 11:00:00 AM | 33.17254 | 52.09612 | 18.92358 | 28.45642 | 35.86335 | 2.69081 | 45.64919 | 33.14356 | -0.02898 | 49.49898 | 43.99137 | 10.81883 | 31.39117 |
| 12/27/2024 | 12:00:00 PM | 33.18592 | 52.12115 | 18.93523 | 28.44477 | 35.87051 | 2.68459 | 45.65541 | 33.1581 | -0.02782 | 49.49782 | 44.01637 | 10.83045 | 31.37955 |
| 12/27/2024 | 1:00:00 PM | 33.19595 | 52.13546 | 18.93951 | 28.44049 | 35.87409 | 2.67814 | 45.66186 | 33.169 | -0.02695 | 49.49695 | 44.05565 | 10.8597 | 31.3503 |
| 12/27/2024 | 2:00:00 PM | 33.1926 | 52.11043 | 18.91783 | 28.46217 | 35.87767 | 2.68507 | 45.65493 | 33.169 | -0.0236 | 49.4936 | 44.02351 | 10.83091 | 31.37909 |
| 12/27/2024 | 3:00:00 PM | 33.19929 | 52.13903 | 18.93974 | 28.44026 | 35.87767 | 2.67838 | 45.66162 | 33.18717 | -0.01212 | 49.48212 | 44.05922 | 10.85993 | 31.35007 |
| 12/27/2024 | 4:00:00 PM | 33.20932 | 52.14261 | 18.93329 | 28.44671 | 35.88124 | 2.67192 | 45.66808 | 33.19081 | -0.01851 | 49.48851 | 44.0628 | 10.85348 | 31.35652 |
| 12/27/2024 | 5:00:00 PM | 33.19929 | 52.12473 | 18.92544 | 28.45456 | 35.88482 | 2.68553 | 45.65447 | 33.17991 | -0.01938 | 49.48938 | 44.03422 | 10.83493 | 31.37507 |
| 12/27/2024 | 6:00:00 PM | 33.20264 | 52.12831 | 18.92567 | 28.45433 | 35.89198 | 2.68934 | 45.65066 | 33.17991 | -0.02273 | 49.49273 | 44.03422 | 10.83158 | 31.37842 |
| 12/27/2024 | 7:00:00 PM | 33.19929 | 52.12473 | 18.92544 | 28.45456 | 35.89914 | 2.69985 | 45.64015 | 33.17991 | -0.01938 | 49.48938 | 44.01994 | 10.82065 | 31.38935 |
| 12/27/2024 | 8:00:00 PM | 33.1926 | 52.0997 | 18.9071 | 28.4729 | 35.89914 | 2.70654 | 45.63346 | 33.16537 | -0.02723 | 49.49723 | 43.9628 | 10.7702 | 31.4398 |
| 12/27/2024 | 9:00:00 PM | 33.18592 | 52.08897 | 18.90305 | 28.47695 | 35.9063 | 2.72038 | 45.61962 | 33.15447 | -0.03145 | 49.50145 | 43.92709 | 10.74117 | 31.46883 |
| 12/27/2024 | 10:00:00 PM | 33.1692 | 52.04963 | 18.88043 | 28.49957 | 35.89914 | 2.72994 | 45.61006 | 33.1363 | -0.0329 | 49.5029 | 43.88423 | 10.71503 | 31.49497 |
| 12/27/2024 | 11:00:00 PM | 33.17588 | 52.05679 | 18.88091 | 28.49909 | 35.89556 | 2.71968 | 45.62032 | 33.12539 | -0.05049 | 49.52049 | 43.86994 | 10.69406 | 31.51594 |
| 12/28/2024 | 12:00:00 AM | 33.15582 | 52.03533 | 18.87951 | 28.50049 | 35.89914 | 2.74332 | 45.59668 | 33.11086 | -0.04496 | 49.51496 | 43.81995 | 10.66413 | 31.54587 |
| 12/28/2024 | 1:00:00 AM | 33.15582 | 52.03175 | 18.87593 | 28.50407 | 35.89914 | 2.74332 | 45.59668 | 33.09995 | -0.05587 | 49.52587 | 43.77709 | 10.62127 | 31.58873 |
| 12/28/2024 | 2:00:00 AM | 33.16585 | 52.04963 | 18.88378 | 28.49622 | 35.89198 | 2.72613 | 45.61387 | 33.09632 | -0.06953 | 49.53953 | 43.80566 | 10.63981 | 31.57019 |
| 12/28/2024 | 3:00:00 AM | 33.17588 | 52.06394 | 18.88806 | 28.49194 | 35.8884 | 2.71252 | 45.62748 | 33.10359 | -0.07229 | 49.54229 | 43.82709 | 10.65121 | 31.55879 |
| 12/28/2024 | 4:00:00 AM | 33.17923 | 52.07824 | 18.89901 | 28.48099 | 35.8884 | 2.70917 | 45.63083 | 33.10359 | -0.07564 | 49.54564 | 43.84852 | 10.66929 | 31.54071 |
| 12/28/2024 | 5:00:00 AM | 33.17923 | 52.06394 | 18.88471 | 28.49529 | 35.88482 | 2.70559 | 45.63441 | 33.09632 | -0.08291 | 49.55291 | 43.80566 | 10.62643 | 31.58357 |
| 12/28/2024 | 6:00:00 AM | 33.18592 | 52.09612 | 18.9102 | 28.4698 | 35.89198 | 2.70606 | 45.63394 | 33.10359 | -0.08233 | 49.55233 | 43.87352 | 10.6876 | 31.5224 |
| 12/28/2024 | 7:00:00 AM | 33.19595 | 52.0997 | 18.90375 | 28.47625 | 35.88124 | 2.68529 | 45.65471 | 33.11813 | -0.07782 | 49.54782 | 43.90209 | 10.70614 | 31.50386 |
| 12/28/2024 | 8:00:00 AM | 33.20264 | 52.11758 | 18.91494 | 28.46506 | 35.88482 | 2.68218 | 45.65782 | 33.13993 | -0.06271 | 49.53271 | 43.9378 | 10.73516 | 31.47484 |
| 12/28/2024 | 9:00:00 AM | 33.21601 | 52.14976 | 18.93375 | 28.44625 | 35.88482 | 2.66881 | 45.67119 | 33.1581 | -0.05791 | 49.52791 | 43.99851 | 10.7825 | 31.4275 |
| 12/28/2024 | 10:00:00 AM | 33.22939 | 52.1748 | 18.94541 | 28.43459 | 35.88124 | 2.65185 | 45.68815 | 33.17264 | -0.05675 | 49.52675 | 44.0378 | 10.80841 | 31.40159 |
| 12/28/2024 | 11:00:00 AM | 33.22604 | 52.14619 | 18.92015 | 28.45985 | 35.88482 | 2.65878 | 45.68122 | 33.20535 | -0.02069 | 49.49069 | 44.08779 | 10.86175 | 31.34825 |
| 12/28/2024 | 12:00:00 PM | 33.26617 | 52.18195 | 18.91578 | 28.46422 | 35.8884 | 2.62223 | 45.71777 | 33.21261 | -0.05356 | 49.52356 | 44.15565 | 10.88948 | 31.32052 |
| 12/28/2024 | 1:00:00 PM | 33.28624 | 52.19983 | 18.91359 | 28.46641 | 35.89556 | 2.60932 | 45.73068 | 33.24169 | -0.04455 | 49.51455 | 44.18065 | 10.89441 | 31.31559 |
| 12/28/2024 | 2:00:00 PM | 33.32636 | 52.24274 | 18.91638 | 28.46362 | 35.9063 | 2.57994 | 45.76006 | 33.26713 | -0.05923 | 49.52923 | 44.2485 | 10.92214 | 31.28786 |
| 12/28/2024 | 3:00:00 PM | 33.35646 | 52.2642 | 18.90774 | 28.47226 | 35.91704 | 2.56058 | 45.77942 | 33.29257 | -0.06389 | 49.53389 | 44.29136 | 10.9349 | 31.2751 |
| 12/28/2024 | 4:00:00 PM | 33.37652 | 52.29281 | 18.91629 | 28.46371 | 35.93136 | 2.55484 | 45.78516 | 33.31437 | -0.06215 | 49.53215 | 44.33421 | 10.95769 | 31.25231 |
| 12/28/2024 | 5:00:00 PM | 33.40328 | 52.31069 | 18.90741 | 28.47259 | 35.9421 | 2.53882 | 45.80118 | 33.33618 | -0.0671 | 49.5371 | 44.38064 | 10.97736 | 31.23264 |
| 12/28/2024 | 6:00:00 PM | 33.41331 | 52.32857 | 18.91526 | 28.46474 | 35.94926 | 2.53595 | 45.80405 | 33.35071 | -0.0626 | 49.5326 | 44.40921 | 10.9959 | 31.2141 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/28/2024 | 7:00:00 PM | 33.42 | 52.33572 | 18.91572 | 28.46428 | 35.96715 | 2.54715 | 45.79285 | 33.36888 | -0.05112 | 49.52112 | 44.41993 | 10.99993 | 31.21007 |
| 12/28/2024 | 8:00:00 PM | 33.41665 | 52.31426 | 18.89761 | 28.48239 | 35.97789 | 2.56124 | 45.77876 | 33.36888 | -0.04777 | 49.51777 | 44.3985 | 10.98185 | 31.22815 |
| 12/28/2024 | 9:00:00 PM | 33.40996 | 52.29638 | 18.88642 | 28.49358 | 35.98863 | 2.57867 | 45.76133 | 33.36888 | -0.04108 | 49.51108 | 44.36636 | 10.9564 | 31.2536 |
| 12/28/2024 | 10:00:00 PM | 33.40328 | 52.28565 | 18.88237 | 28.49763 | 35.99579 | 2.59251 | 45.74749 | 33.35435 | -0.04893 | 49.51893 | 44.33064 | 10.92736 | 31.28264 |
| 12/28/2024 | 11:00:00 PM | 33.38656 | 52.25347 | 18.86691 | 28.51309 | 35.99937 | 2.61281 | 45.72719 | 33.34344 | -0.04312 | 49.51312 | 44.26279 | 10.87623 | 31.33377 |
| 12/29/2024 | 12:00:00 AM | 33.38321 | 52.24989 | 18.86668 | 28.51332 | 36.01727 | 2.63406 | 45.70594 | 33.32164 | -0.06157 | 49.53157 | 44.24493 | 10.86172 | 31.34828 |
| 12/29/2024 | 1:00:00 AM | 33.3598 | 52.20698 | 18.84718 | 28.53282 | 36.01369 | 2.65389 | 45.68611 | 33.3071 | -0.0527 | 49.5227 | 44.16279 | 10.80299 | 31.40701 |
| 12/29/2024 | 2:00:00 AM | 33.34977 | 52.19625 | 18.84648 | 28.53352 | 36.02085 | 2.67108 | 45.66892 | 33.28893 | -0.06084 | 49.53084 | 44.14851 | 10.79874 | 31.41126 |
| 12/29/2024 | 3:00:00 AM | 33.3364 | 52.17122 | 18.83482 | 28.54518 | 36.02085 | 2.68445 | 45.65555 | 33.26349 | -0.07291 | 49.54291 | 44.09137 | 10.75497 | 31.45503 |
| 12/29/2024 | 4:00:00 AM | 33.31633 | 52.14261 | 18.82628 | 28.55372 | 36.02443 | 2.7081 | 45.6319 | 33.24169 | -0.07464 | 49.54464 | 44.02351 | 10.70718 | 31.50282 |
| 12/29/2024 | 5:00:00 AM | 33.31299 | 52.14261 | 18.82962 | 28.55038 | 36.02085 | 2.70786 | 45.63214 | 33.23078 | -0.08221 | 49.55221 | 44.02708 | 10.71409 | 31.49591 |
| 12/29/2024 | 6:00:00 AM | 33.31633 | 52.14976 | 18.83343 | 28.54657 | 36.02085 | 2.70452 | 45.63548 | 33.21988 | -0.09645 | 49.56645 | 44.03422 | 10.71789 | 31.49211 |
| 12/29/2024 | 7:00:00 AM | 33.31299 | 52.15691 | 18.84392 | 28.53608 | 36.01727 | 2.70428 | 45.63572 | 33.22715 | -0.08584 | 49.55584 | 44.05208 | 10.73909 | 31.47091 |
| 12/29/2024 | 8:00:00 AM | 33.32636 | 52.1891 | 18.86274 | 28.51726 | 36.01011 | 2.68375 | 45.65625 | 33.23805 | -0.08831 | 49.55831 | 44.09137 | 10.76501 | 31.44499 |
| 12/29/2024 | 9:00:00 AM | 33.31633 | 52.16407 | 18.84774 | 28.53226 | 36.01011 | 2.69378 | 45.64622 | 33.24896 | -0.06737 | 49.53737 | 44.12708 | 10.81075 | 31.39925 |
| 12/29/2024 | 10:00:00 AM | 33.32302 | 52.1748 | 18.85178 | 28.52822 | 36.01369 | 2.69067 | 45.64933 | 33.25986 | -0.06316 | 49.53316 | 44.16636 | 10.84334 | 31.36666 |
| 12/29/2024 | 11:00:00 AM | 33.3364 | 52.1891 | 18.8527 | 28.5273 | 36.01011 | 2.67371 | 45.66629 | 33.26713 | -0.06927 | 49.53927 | 44.18422 | 10.84782 | 31.36218 |
| 12/29/2024 | 12:00:00 PM | 33.33974 | 52.20698 | 18.86724 | 28.51276 | 36.01727 | 2.67753 | 45.66247 | 33.27439 | -0.06535 | 49.53535 | 44.20208 | 10.86234 | 31.34766 |
| 12/29/2024 | 1:00:00 PM | 33.34977 | 52.23201 | 18.88224 | 28.49776 | 36.01011 | 2.66034 | 45.67966 | 33.29257 | -0.0572 | 49.5272 | 44.24136 | 10.89159 | 31.31841 |
| 12/29/2024 | 2:00:00 PM | 33.36984 | 52.27493 | 18.90509 | 28.47491 | 36.02443 | 2.65459 | 45.68541 | 33.31437 | -0.05547 | 49.52547 | 44.30207 | 10.93223 | 31.27777 |
| 12/29/2024 | 3:00:00 PM | 33.40662 | 52.33214 | 18.92552 | 28.45448 | 36.02443 | 2.61781 | 45.72219 | 33.34344 | -0.06318 | 49.53318 | 44.40207 | 10.99545 | 31.21455 |
| 12/29/2024 | 4:00:00 PM | 33.45009 | 52.37863 | 18.92854 | 28.45146 | 36.02085 | 2.57076 | 45.76924 | 33.37252 | -0.07757 | 49.54757 | 44.47707 | 11.02698 | 31.18302 |
| 12/29/2024 | 5:00:00 PM | 33.50025 | 52.4287 | 18.92845 | 28.45155 | 36.04232 | 2.54207 | 45.79793 | 33.41249 | -0.08776 | 49.55776 | 44.55564 | 11.05539 | 31.15461 |
| 12/29/2024 | 6:00:00 PM | 33.54038 | 52.46446 | 18.92408 | 28.45592 | 36.04948 | 2.5091 | 45.8309 | 33.44157 | -0.09881 | 49.56881 | 44.62706 | 11.08668 | 31.12332 |
| 12/29/2024 | 7:00:00 PM | 33.56379 | 52.48234 | 18.91855 | 28.46145 | 36.06022 | 2.49643 | 45.84357 | 33.47427 | -0.08952 | 49.55952 | 44.67706 | 11.11327 | 31.09673 |
| 12/29/2024 | 8:00:00 PM | 33.6106 | 52.5181 | 18.9075 | 28.4725 | 36.06738 | 2.45678 | 45.88322 | 33.49608 | -0.11452 | 49.58452 | 44.74491 | 11.13431 | 31.07569 |
| 12/29/2024 | 9:00:00 PM | 33.64404 | 52.56816 | 18.92412 | 28.45588 | 36.08886 | 2.44482 | 45.89518 | 33.52879 | -0.11525 | 49.58525 | 44.79491 | 11.15087 | 31.05913 |
| 12/29/2024 | 10:00:00 PM | 33.66411 | 52.58962 | 18.92551 | 28.45449 | 36.10676 | 2.44265 | 45.89735 | 33.55059 | -0.11352 | 49.58352 | 44.85563 | 11.19152 | 31.01848 |
| 12/29/2024 | 11:00:00 PM | 33.70089 | 52.63253 | 18.93164 | 28.44836 | 36.12107 | 2.42018 | 45.91982 | 33.57966 | -0.12123 | 49.59123 | 44.91991 | 11.21902 | 30.99098 |
| 12/30/2024 | 12:00:00 AM | 33.7243 | 52.59319 | 18.86889 | 28.51111 | 36.13897 | 2.41467 | 45.92533 | 33.60874 | -0.11556 | 49.58556 | 44.95919 | 11.23489 | 30.97511 |
| 12/30/2024 | 1:00:00 AM | 33.74102 | 52.61108 | 18.87006 | 28.50994 | 36.16045 | 2.41943 | 45.92057 | 33.63054 | -0.11048 | 49.58048 | 44.99848 | 11.25746 | 30.95254 |
| 12/30/2024 | 2:00:00 AM | 33.77112 | 52.63968 | 18.86856 | 28.51144 | 36.18193 | 2.41081 | 45.92919 | 33.65235 | -0.11877 | 49.58877 | 45.05205 | 11.28093 | 30.92907 |
| 12/30/2024 | 3:00:00 AM | 33.78784 | 52.65756 | 18.86972 | 28.51028 | 36.19266 | 2.40482 | 45.93518 | 33.67415 | -0.11369 | 49.58369 | 45.09847 | 11.31063 | 30.89937 |
| 12/30/2024 | 4:00:00 AM | 33.80456 | 52.67187 | 18.86731 | 28.51269 | 36.21772 | 2.41316 | 45.92684 | 33.69232 | -0.11224 | 49.58224 | 45.11633 | 11.31177 | 30.89823 |
| 12/30/2024 | 5:00:00 AM | 33.82462 | 52.68975 | 18.86513 | 28.51487 | 36.24278 | 2.41816 | 45.92184 | 33.70323 | -0.12139 | 49.59139 | 45.14133 | 11.31671 | 30.89329 |
| 12/30/2024 | 6:00:00 AM | 33.82796 | 52.70048 | 18.87252 | 28.50748 | 36.26068 | 2.43272 | 45.90728 | 33.72503 | -0.10293 | 49.57293 | 45.16633 | 11.33837 | 30.87163 |
| 12/30/2024 | 7:00:00 AM | 33.85472 | 52.72193 | 18.86721 | 28.51279 | 36.27857 | 2.42385 | 45.91615 | 33.7432 | -0.11152 | 49.58152 | 45.1949 | 11.34018 | 30.86982 |
| 12/30/2024 | 8:00:00 AM | 33.87478 | 52.73981 | 18.86503 | 28.51497 | 36.29289 | 2.41811 | 45.92189 | 33.76137 | -0.11341 | 49.58341 | 45.23418 | 11.3594 | 30.8506 |
| 12/30/2024 | 9:00:00 AM | 33.8915 | 52.75412 | 18.86262 | 28.51738 | 36.31437 | 2.42287 | 45.91713 | 33.77591 | -0.11559 | 49.58559 | 45.25561 | 11.36411 | 30.84589 |
| 12/30/2024 | 10:00:00 AM | 33.90488 | 52.77915 | 18.87427 | 28.50573 | 36.32869 | 2.42381 | 45.91619 | 33.79771 | -0.10717 | 49.57717 | 45.28775 | 11.38287 | 30.82713 |
| 12/30/2024 | 11:00:00 AM | 33.91825 | 52.77557 | 18.85732 | 28.52268 | 36.34658 | 2.42833 | 45.91167 | 33.80862 | -0.10963 | 49.57963 | 45.28418 | 11.36593 | 30.84407 |
| 12/30/2024 | 12:00:00 PM | 33.91156 | 52.77915 | 18.86759 | 28.51241 | 36.36448 | 2.45292 | 45.88708 | 33.81225 | -0.09931 | 49.56931 | 45.27704 | 11.36548 | 30.84452 |
| 12/30/2024 | 1:00:00 PM | 33.91825 | 52.77915 | 18.8609 | 28.5191 | 36.38238 | 2.46413 | 45.87587 | 33.81952 | -0.09873 | 49.56873 | 45.28775 | 11.3695 | 30.8405 |
| 12/30/2024 | 2:00:00 PM | 33.91825 | 52.77915 | 18.8609 | 28.5191 | 36.3967 | 2.47845 | 45.86155 | 33.82679 | -0.09146 | 49.56146 | 45.28061 | 11.36236 | 30.84764 |
| 12/30/2024 | 3:00:00 PM | 33.9216 | 52.78988 | 18.86828 | 28.51172 | 36.41817 | 2.49657 | 45.84343 | 33.83769 | -0.08391 | 49.55391 | 45.29847 | 11.37687 | 30.83313 |
| 12/30/2024 | 4:00:00 PM | 33.93163 | 52.80418 | 18.87255 | 28.50745 | 36.42891 | 2.49728 | 45.84272 | 33.83769 | -0.09394 | 49.56394 | 45.31632 | 11.38469 | 30.82531 |
| 12/30/2024 | 5:00:00 PM | 33.94166 | 52.81491 | 18.87325 | 28.50675 | 36.43965 | 2.49799 | 45.84201 | 33.85223 | -0.08943 | 49.55943 | 45.33061 | 11.38895 | 30.82105 |
| 12/30/2024 | 6:00:00 PM | 33.94166 | 52.81849 | 18.87683 | 28.50317 | 36.45755 | 2.51589 | 45.82411 | 33.85223 | -0.08943 | 49.55943 | 45.34489 | 11.40323 | 30.80677 |
| 12/30/2024 | 7:00:00 PM | 33.945 | 52.82206 | 18.87706 | 28.50294 | 36.47187 | 2.52687 | 45.81313 | 33.86313 | -0.08187 | 49.55187 | 45.33775 | 11.39275 | 30.81725 |
| 12/30/2024 | 8:00:00 PM | 33.945 | 52.82564 | 18.88064 | 28.49936 | 36.47903 | 2.53403 | 45.80597 | 33.8704 | -0.0746 | 49.5446 | 45.34847 | 11.40347 | 30.80653 |
| 12/30/2024 | 9:00:00 PM | 33.96172 | 52.83994 | 18.87822 | 28.50178 | 36.48977 | 2.52805 | 45.81195 | 33.87403 | -0.08769 | 49.55769 | 45.37704 | 11.41532 | 30.79468 |
| 12/30/2024 | 10:00:00 PM | 33.96841 | 52.84352 | 18.87511 | 28.50489 | 36.5005 | 2.53209 | 45.80791 | 33.88493 | -0.08348 | 49.55348 | 45.38418 | 11.41577 | 30.79423 |
| 12/30/2024 | 11:00:00 PM | 33.98179 | 52.85067 | 18.86888 | 28.51112 | 36.51482 | 2.53303 | 45.80697 | 33.8922 | -0.08959 | 49.55959 | 45.40918 | 11.42739 | 30.78261 |
| 12/31/2024 | 12:00:00 AM | 33.97176 | 52.84352 | 18.87176 | 28.50824 | 36.53272 | 2.56096 | 45.77904 | 33.8922 | -0.07956 | 49.54956 | 45.38418 | 11.41242 | 30.79758 |
| 12/31/2024 | 1:00:00 AM | 33.96841 | 52.83279 | 18.86438 | 28.51562 | 36.5363 | 2.56789 | 45.77211 | 33.8922 | -0.07621 | 49.54621 | 45.37347 | 11.40506 | 30.80494 |
| 12/31/2024 | 2:00:00 AM | 33.94835 | 52.77915 | 18.8308 | 28.5492 | 36.55062 | 2.60227 | 45.73773 | 33.88493 | -0.06342 | 49.53342 | 45.34847 | 11.40012 | 30.80988 |
| 12/31/2024 | 3:00:00 AM | 33.93497 | 52.78273 | 18.84776 | 28.53224 | 36.55778 | 2.62281 | 45.71719 | 33.88857 | -0.0464 | 49.5164 | 45.34132 | 11.40635 | 30.80365 |
| 12/31/2024 | 4:00:00 AM | 33.93163 | 52.772 | 18.84037 | 28.53963 | 36.56136 | 2.62973 | 45.71027 | 33.8813 | -0.05033 | 49.52033 | 45.32347 | 11.39184 | 30.81816 |
| 12/31/2024 | 5:00:00 AM | 33.92828 | 52.76127 | 18.83299 | 28.54701 | 36.57209 | 2.64381 | 45.69619 | 33.87403 | -0.05425 | 49.52425 | 45.29847 | 11.37019 | 30.83981 |
| 12/31/2024 | 6:00:00 AM | 33.91491 | 52.76485 | 18.84994 | 28.53006 | 36.57567 | 2.66076 | 45.67924 | 33.86313 | -0.05178 | 49.52178 | 45.29133 | 11.37642 | 30.83358 |
| 12/31/2024 | 7:00:00 AM | 33.90822 | 52.75769 | 18.84947 | 28.53053 | 36.57925 | 2.67103 | 45.66897 | 33.86313 | -0.04509 | 49.51509 | 45.28061 | 11.37239 | 30.83761 |
| 12/31/2024 | 8:00:00 AM | 33.89484 | 52.74697 | 18.85213 | 28.52787 | 36.58283 | 2.68799 | 45.65201 | 33.85223 | -0.04261 | 49.51261 | 45.25918 | 11.36434 | 30.84566 |
| 12/31/2024 | 9:00:00 AM | 33.89819 | 52.74697 | 18.84878 | 28.53122 | 36.58999 | 2.6918 | 45.6482 | 33.84132 | -0.05687 | 49.52687 | 45.24847 | 11.35028 | 30.85972 |
| 12/31/2024 | 10:00:00 AM | 33.89819 | 52.75054 | 18.85235 | 28.52765 | 36.58999 | 2.6918 | 45.6482 | 33.84496 | -0.05323 | 49.52323 | 45.25204 | 11.35385 | 30.85615 |
| 12/31/2024 | 11:00:00 AM | 33.90822 | 52.74339 | 18.83517 | 28.54483 | 36.58999 | 2.68177 | 45.65823 | 33.83769 | -0.07053 | 49.54053 | 45.23776 | 11.32954 | 30.88046 |
| 12/31/2024 | 12:00:00 PM | 33.89819 | 52.70048 | 18.80229 | 28.57771 | 36.59357 | 2.69538 | 45.64462 | 33.81225 | -0.08594 | 49.55594 | 45.14133 | 11.24314 | 30.96686 |
| 12/31/2024 | 1:00:00 PM | 33.88816 | 52.65756 | 18.7694 | 28.6106 | 36.58999 | 2.70183 | 45.63817 | 33.79408 | -0.09408 | 49.56408 | 45.09133 | 11.20317 | 31.00683 |
| 12/31/2024 | 2:00:00 PM | 33.8614 | 52.63611 | 18.77471 | 28.60529 | 36.58641 | 2.72501 | 45.61499 | 33.75774 | -0.10366 | 49.57366 | 45.01633 | 11.15493 | 31.05507 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/31/2024 | 3:00:00 PM | 33.83465 | 52.59677 | 18.76212 | 28.61788 | 36.58641 | 2.75176 | 45.58824 | 33.73593 | -0.09872 | 49.56872 | 44.94848 | 11.11383 | 31.09617 |
| 12/31/2024 | 4:00:00 PM | 33.82128 | 52.58604 | 18.76476 | 28.61524 | 36.58283 | 2.76155 | 45.57845 | 33.7214 | -0.09988 | 49.56988 | 44.90562 | 11.08434 | 31.12566 |
| 12/31/2024 | 5:00:00 PM | 33.76108 | 52.49664 | 18.73556 | 28.64444 | 36.57567 | 2.81459 | 45.52541 | 33.69959 | -0.06149 | 49.53149 | 44.88062 | 11.11954 | 31.09046 |
| 12/31/2024 | 6:00:00 PM | 33.74436 | 52.48234 | 18.73798 | 28.64202 | 36.56852 | 2.82416 | 45.51584 | 33.68142 | -0.06294 | 49.53294 | 44.84848 | 11.10412 | 31.10588 |
| 12/31/2024 | 7:00:00 PM | 33.74436 | 52.48591 | 18.74155 | 28.63845 | 36.56494 | 2.82058 | 45.51942 | 33.67052 | -0.07384 | 49.54384 | 44.84848 | 11.10412 | 31.10588 |
| 12/31/2024 | 8:00:00 PM | 33.74102 | 52.49307 | 18.75205 | 28.62795 | 36.55062 | 2.8096 | 45.5304 | 33.66688 | -0.07414 | 49.54414 | 44.85205 | 11.11103 | 31.09897 |
| 12/31/2024 | 9:00:00 PM | 33.74771 | 52.49307 | 18.74536 | 28.63464 | 36.55062 | 2.80291 | 45.53709 | 33.66688 | -0.08083 | 49.55083 | 44.84848 | 11.10077 | 31.10923 |
| 12/31/2024 | 10:00:00 PM | 33.73768 | 52.47876 | 18.74108 | 28.63892 | 36.54346 | 2.80578 | 45.53422 | 33.65598 | -0.0817 | 49.5517 | 44.82706 | 11.08938 | 31.12062 |
| 12/31/2024 | 11:00:00 PM | 33.73433 | 52.46088 | 18.72655 | 28.65345 | 36.53988 | 2.80555 | 45.53445 | 33.64144 | -0.09289 | 49.56289 | 44.79134 | 11.05701 | 31.15299 |
| 1/1/2025 | 12:00:00 AM | 33.72096 | 52.43942 | 18.71846 | 28.66154 | 36.52914 | 2.80818 | 45.53182 | 33.63054 | -0.09042 | 49.56042 | 44.74849 | 11.02753 | 31.18247 |
| 1/1/2025 | 1:00:00 AM | 33.71092 | 52.42154 | 18.71062 | 28.66938 | 36.52198 | 2.81106 | 45.52894 | 33.61237 | -0.09855 | 49.56855 | 44.70206 | 10.99114 | 31.21886 |
| 1/1/2025 | 2:00:00 AM | 33.70758 | 52.41797 | 18.71039 | 28.66961 | 36.51124 | 2.80366 | 45.53634 | 33.60147 | -0.10611 | 49.57611 | 44.69135 | 10.98377 | 31.22623 |
| 1/1/2025 | 3:00:00 AM | 33.71427 | 52.4287 | 18.71443 | 28.66557 | 36.50408 | 2.78981 | 45.55019 | 33.60147 | -0.1128 | 49.5828 | 44.70563 | 10.99136 | 31.21864 |
| 1/1/2025 | 4:00:00 AM | 33.71761 | 52.44658 | 18.72897 | 28.65103 | 36.49692 | 2.77931 | 45.56069 | 33.60147 | -0.11614 | 49.58614 | 44.72349 | 11.00588 | 31.20412 |
| 1/1/2025 | 5:00:00 AM | 33.71761 | 52.4573 | 18.73969 | 28.64031 | 36.49334 | 2.77573 | 45.56427 | 33.59783 | -0.11978 | 49.58978 | 44.73777 | 11.02016 | 31.18984 |
| 1/1/2025 | 6:00:00 AM | 33.71761 | 52.46088 | 18.74327 | 28.63673 | 36.48261 | 2.765 | 45.575 | 33.6051 | -0.11251 | 49.58251 | 44.74134 | 11.02373 | 31.18627 |
| 1/1/2025 | 7:00:00 AM | 33.71761 | 52.46088 | 18.74327 | 28.63673 | 36.47903 | 2.76142 | 45.57858 | 33.60874 | -0.10887 | 49.57887 | 44.74134 | 11.02373 | 31.18627 |
| 1/1/2025 | 8:00:00 AM | 33.73099 | 52.47876 | 18.74777 | 28.63223 | 36.47187 | 2.74088 | 45.59912 | 33.61237 | -0.11862 | 49.58862 | 44.76277 | 11.03178 | 31.17822 |
| 1/1/2025 | 9:00:00 AM | 33.73768 | 52.48591 | 18.74823 | 28.63177 | 36.46471 | 2.72703 | 45.61297 | 33.62327 | -0.11441 | 49.58441 | 44.77706 | 11.03938 | 31.17062 |
| 1/1/2025 | 10:00:00 AM | 33.73433 | 52.49307 | 18.75874 | 28.62126 | 36.46471 | 2.73038 | 45.60962 | 33.61964 | -0.11469 | 49.58469 | 44.79134 | 11.05701 | 31.15299 |
| 1/1/2025 | 11:00:00 AM | 33.74436 | 52.49307 | 18.74871 | 28.63129 | 36.46471 | 2.72035 | 45.61965 | 33.61601 | -0.12835 | 49.59835 | 44.77349 | 11.02913 | 31.18087 |
| 1/1/2025 | 12:00:00 PM | 33.74436 | 52.48949 | 18.74513 | 28.63487 | 36.46471 | 2.72035 | 45.61965 | 33.62327 | -0.12109 | 49.59109 | 44.76991 | 11.02555 | 31.18445 |
| 1/1/2025 | 1:00:00 PM | 33.73768 | 52.47876 | 18.74108 | 28.63892 | 36.45397 | 2.71629 | 45.62371 | 33.61964 | -0.11804 | 49.58804 | 44.74491 | 11.00723 | 31.20277 |
| 1/1/2025 | 2:00:00 PM | 33.73768 | 52.46088 | 18.7232 | 28.6568 | 36.45755 | 2.71987 | 45.62013 | 33.6051 | -0.13258 | 49.60258 | 44.70563 | 10.96795 | 31.24205 |
| 1/1/2025 | 3:00:00 PM | 33.7243 | 52.45015 | 18.72585 | 28.65415 | 36.45755 | 2.73325 | 45.60675 | 33.59783 | -0.12647 | 49.59647 | 44.67706 | 10.95276 | 31.25724 |
| 1/1/2025 | 4:00:00 PM | 33.72096 | 52.45373 | 18.73277 | 28.64723 | 36.44681 | 2.72585 | 45.61415 | 33.5942 | -0.12676 | 49.59676 | 44.69135 | 10.97039 | 31.23961 |
| 1/1/2025 | 5:00:00 PM | 33.72096 | 52.45373 | 18.73277 | 28.64723 | 36.45397 | 2.73301 | 45.60699 | 33.5942 | -0.12676 | 49.59676 | 44.69492 | 10.97396 | 31.23604 |
| 1/1/2025 | 6:00:00 PM | 33.70758 | 52.44658 | 18.739 | 28.641 | 36.44323 | 2.73565 | 45.60435 | 33.58693 | -0.12065 | 49.59065 | 44.66277 | 10.95519 | 31.25481 |
| 1/1/2025 | 7:00:00 PM | 33.70424 | 52.45373 | 18.74949 | 28.63051 | 36.44681 | 2.74257 | 45.59743 | 33.5833 | -0.12094 | 49.59094 | 44.68777 | 10.98353 | 31.22647 |
| 1/1/2025 | 8:00:00 PM | 33.71092 | 52.46088 | 18.74996 | 28.63004 | 36.43965 | 2.72873 | 45.61127 | 33.58693 | -0.12399 | 49.59399 | 44.69492 | 10.984 | 31.226 |
| 1/1/2025 | 9:00:00 PM | 33.70758 | 52.46803 | 18.76045 | 28.61955 | 36.43607 | 2.72849 | 45.61151 | 33.59057 | -0.11701 | 49.58701 | 44.71277 | 11.00519 | 31.20481 |
| 1/1/2025 | 10:00:00 PM | 33.70424 | 52.48234 | 18.7781 | 28.6019 | 36.43249 | 2.72825 | 45.61175 | 33.5942 | -0.11004 | 49.58004 | 44.7342 | 11.02996 | 31.18004 |
| 1/1/2025 | 11:00:00 PM | 33.71092 | 52.49664 | 18.78572 | 28.59428 | 36.43249 | 2.72157 | 45.61843 | 33.61237 | -0.09855 | 49.56855 | 44.77706 | 11.06614 | 31.14386 |
| 1/2/2025 | 12:00:00 AM | 33.70758 | 52.48234 | 18.77476 | 28.60524 | 36.43249 | 2.72491 | 45.61509 | 33.60147 | -0.10611 | 49.57611 | 44.75563 | 11.04805 | 31.16195 |
| 1/2/2025 | 1:00:00 AM | 33.71427 | 52.50737 | 18.7931 | 28.5869 | 36.42891 | 2.71464 | 45.62536 | 33.63054 | -0.08373 | 49.55373 | 44.79848 | 11.08421 | 31.12579 |
| 1/2/2025 | 2:00:00 AM | 33.71427 | 52.5181 | 18.80383 | 28.57617 | 36.43249 | 2.71822 | 45.62178 | 33.63054 | -0.08373 | 49.55373 | 44.80563 | 11.09136 | 31.11864 |
| 1/2/2025 | 3:00:00 AM | 33.72764 | 52.54313 | 18.81549 | 28.56451 | 36.42891 | 2.70127 | 45.63873 | 33.63781 | -0.08983 | 49.55983 | 44.83777 | 11.11013 | 31.09987 |
| 1/2/2025 | 4:00:00 AM | 33.72096 | 52.5324 | 18.81144 | 28.56856 | 36.43607 | 2.71511 | 45.62489 | 33.64144 | -0.07952 | 49.54952 | 44.81991 | 11.09895 | 31.11105 |
| 1/2/2025 | 5:00:00 AM | 33.73099 | 52.53955 | 18.80856 | 28.57144 | 36.43965 | 2.70866 | 45.63134 | 33.63781 | -0.09318 | 49.56318 | 44.82706 | 11.09607 | 31.11393 |
| 1/2/2025 | 6:00:00 AM | 33.72096 | 52.52883 | 18.80787 | 28.57213 | 36.43249 | 2.71153 | 45.62847 | 33.64508 | -0.07588 | 49.54588 | 44.81991 | 11.09895 | 31.11105 |
| 1/2/2025 | 7:00:00 AM | 33.72764 | 52.5324 | 18.80476 | 28.57524 | 36.43965 | 2.71201 | 45.62799 | 33.63418 | -0.09346 | 49.56346 | 44.81277 | 11.08513 | 31.12487 |
| 1/2/2025 | 8:00:00 AM | 33.72764 | 52.54313 | 18.81549 | 28.56451 | 36.44323 | 2.71559 | 45.62441 | 33.64508 | -0.08256 | 49.55256 | 44.82706 | 11.09942 | 31.11058 |
| 1/2/2025 | 9:00:00 AM | 33.73768 | 52.55386 | 18.81618 | 28.56382 | 36.43607 | 2.69839 | 45.64161 | 33.64508 | -0.0926 | 49.5626 | 44.81991 | 11.08223 | 31.12777 |
| 1/2/2025 | 10:00:00 AM | 33.74771 | 52.56459 | 18.81688 | 28.56312 | 36.44323 | 2.69552 | 45.64448 | 33.65235 | -0.09536 | 49.56536 | 44.84134 | 11.09363 | 31.11637 |
| 1/2/2025 | 11:00:00 AM | 33.74771 | 52.56459 | 18.81688 | 28.56312 | 36.44323 | 2.69552 | 45.64448 | 33.65235 | -0.09536 | 49.56536 | 44.81634 | 11.06863 | 31.14137 |
| 1/2/2025 | 12:00:00 PM | 33.73768 | 52.52525 | 18.78757 | 28.59243 | 36.44323 | 2.70555 | 45.63445 | 33.62691 | -0.11077 | 49.58077 | 44.73063 | 10.99295 | 31.21705 |
| 1/2/2025 | 1:00:00 PM | 33.73433 | 52.52525 | 18.79092 | 28.58908 | 36.45039 | 2.71606 | 45.62394 | 33.62691 | -0.10742 | 49.57742 | 44.74134 | 11.00701 | 31.20299 |
| 1/2/2025 | 2:00:00 PM | 33.73768 | 52.51095 | 18.77327 | 28.60673 | 36.43965 | 2.70197 | 45.63803 | 33.61237 | -0.12531 | 49.59531 | 44.70563 | 10.96795 | 31.24205 |
| 1/2/2025 | 3:00:00 PM | 33.74102 | 52.52167 | 18.78065 | 28.59935 | 36.44323 | 2.70221 | 45.63779 | 33.61601 | -0.12501 | 49.59501 | 44.72706 | 10.98604 | 31.22396 |
| 1/2/2025 | 4:00:00 PM | 33.75774 | 52.55386 | 18.79612 | 28.58388 | 36.44681 | 2.68907 | 45.65093 | 33.63054 | -0.1272 | 49.5972 | 44.75563 | 10.99789 | 31.21211 |
| 1/2/2025 | 5:00:00 PM | 33.75774 | 52.54313 | 18.78539 | 28.59461 | 36.44681 | 2.68907 | 45.65093 | 33.62691 | -0.13083 | 49.60083 | 44.74134 | 10.9836 | 31.2264 |
| 1/2/2025 | 6:00:00 PM | 33.75105 | 52.53598 | 18.78493 | 28.59507 | 36.44323 | 2.69218 | 45.64782 | 33.62327 | -0.12778 | 49.59778 | 44.71992 | 10.96887 | 31.24113 |
| 1/2/2025 | 7:00:00 PM | 33.74771 | 52.52167 | 18.77396 | 28.60604 | 36.44323 | 2.69552 | 45.64448 | 33.61237 | -0.13534 | 49.60534 | 44.69492 | 10.94721 | 31.26279 |
| 1/2/2025 | 8:00:00 PM | 33.73768 | 52.51452 | 18.77684 | 28.60316 | 36.44323 | 2.70555 | 45.63445 | 33.61601 | -0.12167 | 49.59167 | 44.68777 | 10.95009 | 31.25991 |
| 1/2/2025 | 9:00:00 PM | 33.71427 | 52.46803 | 18.75376 | 28.62624 | 36.44323 | 2.72896 | 45.61104 | 33.59783 | -0.11644 | 49.58644 | 44.64492 | 10.93065 | 31.27935 |
| 1/2/2025 | 10:00:00 PM | 33.70424 | 52.45373 | 18.74949 | 28.63051 | 36.43607 | 2.73183 | 45.60817 | 33.5833 | -0.12094 | 49.59094 | 44.61992 | 10.91568 | 31.29432 |
| 1/2/2025 | 11:00:00 PM | 33.69086 | 52.45373 | 18.76287 | 28.61713 | 36.43607 | 2.74521 | 45.59479 | 33.5724 | -0.11846 | 49.58846 | 44.61278 | 10.92192 | 31.28808 |
| 1/3/2025 | 12:00:00 AM | 33.68083 | 52.43227 | 18.75144 | 28.62856 | 36.43607 | 2.75524 | 45.58476 | 33.55786 | -0.12297 | 49.59297 | 44.57706 | 10.89623 | 31.31377 |
| 1/3/2025 | 1:00:00 AM | 33.65408 | 52.40724 | 18.75316 | 28.62684 | 36.41817 | 2.76409 | 45.57591 | 33.54332 | -0.11076 | 49.58076 | 44.50921 | 10.85513 | 31.35487 |
| 1/3/2025 | 2:00:00 AM | 33.6106 | 52.37148 | 18.76088 | 28.61912 | 36.42175 | 2.81115 | 45.52885 | 33.51425 | -0.09635 | 49.56635 | 44.4485 | 10.8379 | 31.3721 |
| 1/3/2025 | 3:00:00 AM | 33.58385 | 52.33929 | 18.75544 | 28.62456 | 36.41102 | 2.82717 | 45.51283 | 33.49971 | -0.08414 | 49.55414 | 44.3985 | 10.81465 | 31.39535 |
| 1/3/2025 | 4:00:00 AM | 33.53369 | 52.28923 | 18.75554 | 28.62446 | 36.40386 | 2.87017 | 45.46983 | 33.46701 | -0.06668 | 49.53668 | 44.31636 | 10.78267 | 31.42733 |
| 1/3/2025 | 5:00:00 AM | 33.49356 | 52.26062 | 18.76706 | 28.61294 | 36.3967 | 2.90314 | 45.43686 | 33.43793 | -0.05563 | 49.52563 | 44.23422 | 10.74066 | 31.46934 |
| 1/3/2025 | 6:00:00 AM | 33.4735 | 52.22486 | 18.75136 | 28.62864 | 36.38596 | 2.91246 | 45.42754 | 33.41249 | -0.06101 | 49.53101 | 44.17351 | 10.70001 | 31.50999 |
| 1/3/2025 | 7:00:00 AM | 33.45344 | 52.2034 | 18.74996 | 28.63004 | 36.37522 | 2.92178 | 45.41822 | 33.37979 | -0.07365 | 49.54365 | 44.12351 | 10.67007 | 31.53993 |
| 1/3/2025 | 8:00:00 AM | 33.44675 | 52.19625 | 18.7495 | 28.6305 | 36.3609 | 2.91415 | 45.42585 | 33.36525 | -0.0815 | 49.5515 | 44.08065 | 10.6339 | 31.5761 |
| 1/3/2025 | 9:00:00 AM | 33.45678 | 52.21056 | 18.75378 | 28.62622 | 36.34658 | 2.8898 | 45.4502 | 33.35071 | -0.10607 | 49.57607 | 44.10922 | 10.65244 | 31.55756 |
| 1/3/2025 | 10:00:00 AM | 33.42668 | 52.21413 | 18.78745 | 28.59255 | 36.33942 | 2.91274 | 45.42726 | 33.34708 | -0.0796 | 49.5496 | 44.09851 | 10.67183 | 31.53817 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/3/2025 | 11:00:00 AM | 33.43337 | 52.21056 | 18.77719 | 28.60281 | 36.31795 | 2.88458 | 45.45542 | 33.32891 | -0.10446 | 49.57446 | 44.07708 | 10.64371 | 31.56629 |
| 1/3/2025 | 12:00:00 PM | 33.44006 | 52.21771 | 18.77765 | 28.60235 | 36.30363 | 2.86357 | 45.47643 | 33.32527 | -0.11479 | 49.58479 | 44.07708 | 10.63702 | 31.57298 |
| 1/3/2025 | 1:00:00 PM | 33.44675 | 52.22128 | 18.77453 | 28.60547 | 36.28573 | 2.83898 | 45.50102 | 33.31437 | -0.13238 | 49.60238 | 44.07708 | 10.63033 | 31.57967 |
| 1/3/2025 | 2:00:00 PM | 33.45009 | 52.22128 | 18.77119 | 28.60881 | 36.28215 | 2.83206 | 45.50794 | 33.31437 | -0.13572 | 49.60572 | 44.07351 | 10.62342 | 31.58658 |
| 1/3/2025 | 3:00:00 PM | 33.46681 | 52.23916 | 18.77235 | 28.60765 | 36.27141 | 2.8046 | 45.5354 | 33.31074 | -0.15607 | 49.62607 | 44.10208 | 10.63527 | 31.57473 |
| 1/3/2025 | 4:00:00 PM | 33.47684 | 52.26777 | 18.79093 | 28.58907 | 36.26425 | 2.78741 | 45.55259 | 33.32891 | -0.14793 | 49.61793 | 44.13779 | 10.66095 | 31.54905 |
| 1/3/2025 | 5:00:00 PM | 33.48353 | 52.28208 | 18.79855 | 28.58145 | 36.2571 | 2.77357 | 45.56643 | 33.33618 | -0.14735 | 49.61735 | 44.16636 | 10.68283 | 31.52717 |
| 1/3/2025 | 6:00:00 PM | 33.49022 | 52.29638 | 18.80616 | 28.57384 | 36.24636 | 2.75614 | 45.58386 | 33.33618 | -0.15404 | 49.62404 | 44.17351 | 10.68329 | 31.52671 |
| 1/3/2025 | 7:00:00 PM | 33.49691 | 52.30711 | 18.8102 | 28.5698 | 36.2392 | 2.74229 | 45.59771 | 33.34708 | -0.14983 | 49.61983 | 44.21279 | 10.71588 | 31.49412 |
| 1/3/2025 | 8:00:00 PM | 33.50694 | 52.33214 | 18.8252 | 28.5548 | 36.23204 | 2.7251 | 45.6149 | 33.36525 | -0.14169 | 49.61169 | 44.24493 | 10.73799 | 31.47201 |
| 1/3/2025 | 9:00:00 PM | 33.51028 | 52.35002 | 18.83974 | 28.54026 | 36.23562 | 2.72534 | 45.61466 | 33.37979 | -0.13049 | 49.60049 | 44.2735 | 10.76322 | 31.44678 |
| 1/3/2025 | 10:00:00 PM | 33.52032 | 52.3679 | 18.84758 | 28.53242 | 36.22846 | 2.70814 | 45.63186 | 33.38342 | -0.1369 | 49.6069 | 44.30207 | 10.78175 | 31.42825 |
| 1/3/2025 | 11:00:00 PM | 33.527 | 52.37863 | 18.85163 | 28.52837 | 36.23204 | 2.70504 | 45.63496 | 33.40159 | -0.12541 | 49.59541 | 44.33421 | 10.80721 | 31.40279 |
| 1/4/2025 | 12:00:00 AM | 33.52032 | 52.39651 | 18.87619 | 28.50381 | 36.23562 | 2.7153 | 45.6247 | 33.41613 | -0.10419 | 49.57419 | 44.35564 | 10.83532 | 31.37468 |
| 1/4/2025 | 1:00:00 AM | 33.53369 | 52.40366 | 18.86997 | 28.51003 | 36.22846 | 2.69477 | 45.64523 | 33.42703 | -0.10666 | 49.57666 | 44.38778 | 10.85409 | 31.35591 |
| 1/4/2025 | 2:00:00 AM | 33.54707 | 52.4287 | 18.88163 | 28.49837 | 36.23562 | 2.68855 | 45.65145 | 33.4452 | -0.10187 | 49.57187 | 44.4235 | 10.87643 | 31.33357 |
| 1/4/2025 | 3:00:00 AM | 33.5571 | 52.46088 | 18.90378 | 28.47622 | 36.2392 | 2.6821 | 45.6579 | 33.46337 | -0.09373 | 49.56373 | 44.47707 | 10.91997 | 31.29003 |
| 1/4/2025 | 4:00:00 AM | 33.55041 | 52.44658 | 18.89617 | 28.48383 | 36.24636 | 2.69595 | 45.64405 | 33.47427 | -0.07614 | 49.54614 | 44.47707 | 10.92666 | 31.28334 |
| 1/4/2025 | 5:00:00 AM | 33.527 | 52.38936 | 18.86236 | 28.51764 | 36.25352 | 2.72652 | 45.61348 | 33.48154 | -0.04546 | 49.51546 | 44.48778 | 10.96078 | 31.24922 |
| 1/4/2025 | 6:00:00 AM | 33.53369 | 52.38578 | 18.85209 | 28.52791 | 36.2571 | 2.72341 | 45.61659 | 33.48881 | -0.04488 | 49.51488 | 44.49135 | 10.95766 | 31.25234 |
| 1/4/2025 | 7:00:00 AM | 33.54372 | 52.40724 | 18.86352 | 28.51648 | 36.2571 | 2.71338 | 45.62662 | 33.49608 | -0.04764 | 49.51764 | 44.51992 | 10.9762 | 31.2338 |
| 1/4/2025 | 8:00:00 AM | 33.54707 | 52.42512 | 18.87805 | 28.50195 | 36.26783 | 2.72076 | 45.61924 | 33.51061 | -0.03646 | 49.50646 | 44.54492 | 10.99785 | 31.21215 |
| 1/4/2025 | 9:00:00 AM | 33.56379 | 52.443 | 18.87921 | 28.50079 | 36.27499 | 2.7112 | 45.6288 | 33.51788 | -0.04591 | 49.51591 | 44.56278 | 10.99899 | 31.21101 |
| 1/4/2025 | 10:00:00 AM | 33.57382 | 52.45015 | 18.87633 | 28.50367 | 36.27499 | 2.70117 | 45.63883 | 33.52515 | -0.04867 | 49.51867 | 44.58063 | 11.00681 | 31.20319 |
| 1/4/2025 | 11:00:00 AM | 33.58051 | 52.45373 | 18.87322 | 28.50678 | 36.27857 | 2.69806 | 45.64194 | 33.53605 | -0.04446 | 49.51446 | 44.58778 | 11.00727 | 31.20273 |
| 1/4/2025 | 12:00:00 PM | 33.59388 | 52.46803 | 18.87415 | 28.50585 | 36.28573 | 2.69185 | 45.64815 | 33.53969 | -0.05419 | 49.52419 | 44.55564 | 10.96176 | 31.24824 |
| 1/4/2025 | 1:00:00 PM | 33.59054 | 52.46803 | 18.87749 | 28.50251 | 36.29289 | 2.70235 | 45.63765 | 33.52879 | -0.06175 | 49.53175 | 44.53778 | 10.94724 | 31.26276 |
| 1/4/2025 | 2:00:00 PM | 33.5872 | 52.46446 | 18.87726 | 28.50274 | 36.30005 | 2.71285 | 45.62715 | 33.53242 | -0.05478 | 49.52478 | 44.53778 | 10.95058 | 31.25942 |
| 1/4/2025 | 3:00:00 PM | 33.60057 | 52.48591 | 18.88534 | 28.49466 | 36.30721 | 2.70664 | 45.63336 | 33.53969 | -0.06088 | 49.53088 | 44.56992 | 10.96935 | 31.24065 |
| 1/4/2025 | 4:00:00 PM | 33.61395 | 52.50737 | 18.89342 | 28.48658 | 36.30721 | 2.69326 | 45.64674 | 33.55422 | -0.05973 | 49.52973 | 44.59135 | 10.9774 | 31.2326 |
| 1/4/2025 | 5:00:00 PM | 33.61729 | 52.51452 | 18.89723 | 28.48277 | 36.31437 | 2.69708 | 45.64292 | 33.56149 | -0.0558 | 49.5258 | 44.59492 | 10.97763 | 31.23237 |
| 1/4/2025 | 6:00:00 PM | 33.61729 | 52.52167 | 18.90438 | 28.47562 | 36.32153 | 2.70424 | 45.63576 | 33.55422 | -0.06307 | 49.53307 | 44.60563 | 10.98834 | 31.22166 |
| 1/4/2025 | 7:00:00 PM | 33.60726 | 52.50379 | 18.89653 | 28.48347 | 36.32511 | 2.71785 | 45.62215 | 33.55786 | -0.0494 | 49.5194 | 44.58778 | 10.98052 | 31.22948 |
| 1/4/2025 | 8:00:00 PM | 33.60726 | 52.50379 | 18.89653 | 28.48347 | 36.32511 | 2.71785 | 45.62215 | 33.54696 | -0.0603 | 49.5303 | 44.57706 | 10.9698 | 31.2402 |
| 1/4/2025 | 9:00:00 PM | 33.60392 | 52.50379 | 18.89987 | 28.48013 | 36.32869 | 2.72477 | 45.61523 | 33.54696 | -0.05696 | 49.52696 | 44.55921 | 10.95529 | 31.25471 |
| 1/4/2025 | 10:00:00 PM | 33.60726 | 52.51452 | 18.90726 | 28.47274 | 36.33585 | 2.72859 | 45.61141 | 33.54332 | -0.06394 | 49.53394 | 44.56992 | 10.96266 | 31.24734 |
| 1/4/2025 | 11:00:00 PM | 33.62398 | 52.54671 | 18.92273 | 28.45727 | 36.343 | 2.71902 | 45.62098 | 33.55422 | -0.06976 | 49.53976 | 44.61635 | 10.99237 | 31.21763 |
| 1/5/2025 | 12:00:00 AM | 33.62732 | 52.56101 | 18.93369 | 28.44631 | 36.33942 | 2.7121 | 45.6279 | 33.56149 | -0.06583 | 49.53583 | 44.64135 | 11.01403 | 31.19597 |
| 1/5/2025 | 1:00:00 AM | 33.6407 | 52.57889 | 18.93819 | 28.44181 | 36.343 | 2.7023 | 45.6377 | 33.57966 | -0.06104 | 49.53104 | 44.66992 | 11.02922 | 31.18078 |
| 1/5/2025 | 2:00:00 AM | 33.64404 | 52.57889 | 18.93485 | 28.44515 | 36.35374 | 2.7097 | 45.6303 | 33.58693 | -0.05711 | 49.52711 | 44.69492 | 11.05088 | 31.15912 |
| 1/5/2025 | 3:00:00 AM | 33.66745 | 52.60035 | 18.9329 | 28.4471 | 36.35732 | 2.68987 | 45.65013 | 33.6051 | -0.06235 | 49.53235 | 44.7342 | 11.06675 | 31.14325 |
| 1/5/2025 | 4:00:00 AM | 33.68752 | 52.62896 | 18.94144 | 28.43856 | 36.3609 | 2.67338 | 45.66662 | 33.62327 | -0.06425 | 49.53425 | 44.7842 | 11.09668 | 31.11332 |
| 1/5/2025 | 5:00:00 AM | 33.71761 | 52.66472 | 18.94711 | 28.43289 | 36.37164 | 2.65403 | 45.68597 | 33.63781 | -0.0798 | 49.5498 | 44.82348 | 11.10587 | 31.10413 |
| 1/5/2025 | 6:00:00 AM | 33.73768 | 52.68975 | 18.95207 | 28.42793 | 36.3788 | 2.64112 | 45.69888 | 33.65962 | -0.07806 | 49.54806 | 44.86991 | 11.13223 | 31.07777 |
| 1/5/2025 | 7:00:00 AM | 33.75774 | 52.71121 | 18.95347 | 28.42653 | 36.3788 | 2.62106 | 45.71894 | 33.68142 | -0.07632 | 49.54632 | 44.90562 | 11.14788 | 31.06212 |
| 1/5/2025 | 8:00:00 AM | 33.78115 | 52.73266 | 18.95151 | 28.42849 | 36.39312 | 2.61197 | 45.72803 | 33.69959 | -0.08156 | 49.55156 | 44.95205 | 11.1709 | 31.0391 |
| 1/5/2025 | 9:00:00 AM | 33.81459 | 52.76842 | 18.95383 | 28.42617 | 36.40386 | 2.58927 | 45.75073 | 33.72866 | -0.08593 | 49.55593 | 45.00919 | 11.1946 | 31.0154 |
| 1/5/2025 | 10:00:00 AM | 33.84134 | 52.79345 | 18.95211 | 28.42789 | 36.42175 | 2.58041 | 45.75959 | 33.74684 | -0.0945 | 49.5645 | 45.04848 | 11.20714 | 31.00286 |
| 1/5/2025 | 11:00:00 AM | 33.85137 | 52.80418 | 18.95281 | 28.42719 | 36.43249 | 2.58112 | 45.75888 | 33.75774 | -0.09363 | 49.56363 | 45.0699 | 11.21853 | 30.99147 |
| 1/5/2025 | 12:00:00 PM | 33.85472 | 52.79345 | 18.93873 | 28.44127 | 36.44681 | 2.59209 | 45.74791 | 33.77227 | -0.08245 | 49.55245 | 45.05919 | 11.20447 | 31.00553 |
| 1/5/2025 | 1:00:00 PM | 33.85472 | 52.79345 | 18.93873 | 28.44127 | 36.45397 | 2.59925 | 45.74075 | 33.77227 | -0.08245 | 49.55245 | 45.05919 | 11.20447 | 31.00553 |
| 1/5/2025 | 2:00:00 PM | 33.8614 | 52.80061 | 18.93921 | 28.44079 | 36.46471 | 2.60331 | 45.73669 | 33.78681 | -0.07459 | 49.54459 | 45.07348 | 11.21208 | 30.99792 |
| 1/5/2025 | 3:00:00 PM | 33.8614 | 52.81849 | 18.95709 | 28.42291 | 36.47903 | 2.61763 | 45.72237 | 33.78318 | -0.07822 | 49.54822 | 45.08062 | 11.21922 | 30.99078 |
| 1/5/2025 | 4:00:00 PM | 33.87478 | 52.76127 | 18.88649 | 28.49351 | 36.49334 | 2.61856 | 45.72144 | 33.80135 | -0.07343 | 49.54343 | 45.11633 | 11.24155 | 30.96845 |
| 1/5/2025 | 5:00:00 PM | 33.88481 | 52.75769 | 18.87288 | 28.50712 | 36.50408 | 2.61927 | 45.72073 | 33.81225 | -0.07256 | 49.54256 | 45.12347 | 11.23866 | 30.97134 |
| 1/5/2025 | 6:00:00 PM | 33.8915 | 52.76485 | 18.87335 | 28.50665 | 36.51482 | 2.62332 | 45.71668 | 33.81952 | -0.07198 | 49.54198 | 45.14133 | 11.24983 | 30.96017 |
| 1/5/2025 | 7:00:00 PM | 33.90822 | 52.77915 | 18.87093 | 28.50907 | 36.52198 | 2.61376 | 45.72624 | 33.83042 | -0.0778 | 49.5478 | 45.1699 | 11.26168 | 30.94832 |
| 1/5/2025 | 8:00:00 PM | 33.92828 | 52.80776 | 18.87948 | 28.50052 | 36.53272 | 2.60444 | 45.73556 | 33.84496 | -0.08332 | 49.55332 | 45.20561 | 11.27733 | 30.93267 |
| 1/5/2025 | 9:00:00 PM | 33.93163 | 52.81849 | 18.88686 | 28.49314 | 36.54346 | 2.61183 | 45.72817 | 33.85223 | -0.0794 | 49.5494 | 45.2199 | 11.28827 | 30.92173 |
| 1/5/2025 | 10:00:00 PM | 33.93832 | 52.81491 | 18.87659 | 28.50341 | 36.5542 | 2.61588 | 45.72412 | 33.87403 | -0.06429 | 49.53429 | 45.23418 | 11.29586 | 30.91414 |
| 1/5/2025 | 11:00:00 PM | 33.95838 | 52.84352 | 18.88514 | 28.49486 | 36.56494 | 2.60656 | 45.73344 | 33.87767 | -0.08071 | 49.55071 | 45.27347 | 11.31509 | 30.89491 |
| 1/6/2025 | 12:00:00 AM | 33.96507 | 52.86498 | 18.89991 | 28.48009 | 36.57925 | 2.61418 | 45.72582 | 33.88493 | -0.08014 | 49.55014 | 45.28418 | 11.31911 | 30.89089 |
| 1/6/2025 | 1:00:00 AM | 33.98179 | 52.87213 | 18.89034 | 28.48966 | 36.58999 | 2.6082 | 45.7318 | 33.89947 | -0.08232 | 49.55232 | 45.29847 | 11.31668 | 30.89332 |
| 1/6/2025 | 2:00:00 AM | 34.00854 | 52.89358 | 18.88504 | 28.49496 | 36.59715 | 2.58861 | 45.75139 | 33.90674 | -0.1018 | 49.5718 | 45.35204 | 11.3435 | 30.8665 |
| 1/6/2025 | 3:00:00 AM | 34.03195 | 52.92219 | 18.89024 | 28.48976 | 36.61147 | 2.57952 | 45.76048 | 33.92491 | -0.10704 | 49.57704 | 45.38775 | 11.3558 | 30.8542 |
| 1/6/2025 | 4:00:00 AM | 34.03529 | 52.91862 | 18.88333 | 28.49667 | 36.62221 | 2.58692 | 45.75308 | 33.93945 | -0.09584 | 49.56584 | 45.36989 | 11.3346 | 30.8754 |
| 1/6/2025 | 5:00:00 AM | 34.03195 | 52.91146 | 18.87951 | 28.50049 | 36.63653 | 2.60458 | 45.73542 | 33.94671 | -0.08524 | 49.55524 | 45.37704 | 11.34509 | 30.86491 |
| 1/6/2025 | 6:00:00 AM | 34.04867 | 52.94007 | 18.8914 | 28.4886 | 36.64726 | 2.59859 | 45.74141 | 33.95762 | -0.09105 | 49.56105 | 45.42346 | 11.37479 | 30.83521 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/6/2025 | 7:00:00 AM | 34.05201 | 52.94007 | 18.88806 | 28.49194 | 36.66158 | 2.60957 | 45.73043 | 33.96489 | -0.08712 | 49.55712 | 45.41632 | 11.36431 | 30.84569 |
| 1/6/2025 | 8:00:00 AM | 34.0587 | 52.9508 | 18.8921 | 28.4879 | 36.67232 | 2.61362 | 45.72638 | 33.96852 | -0.09018 | 49.56018 | 45.43061 | 11.37191 | 30.83809 |
| 1/6/2025 | 9:00:00 AM | 34.07542 | 52.98299 | 18.90757 | 28.47243 | 36.67948 | 2.60406 | 45.73594 | 33.98669 | -0.08873 | 49.55873 | 45.48775 | 11.41233 | 30.79767 |
| 1/6/2025 | 10:00:00 AM | 34.1122 | 53.00802 | 18.89582 | 28.48418 | 36.6938 | 2.5816 | 45.7584 | 34.01213 | -0.10007 | 49.57007 | 45.52703 | 11.41483 | 30.79517 |
| 1/6/2025 | 11:00:00 AM | 34.12224 | 53.01875 | 18.89651 | 28.48349 | 36.70812 | 2.58588 | 45.75412 | 34.02303 | -0.09921 | 49.56921 | 45.53417 | 11.41193 | 30.79807 |
| 1/6/2025 | 12:00:00 PM | 34.13896 | 53.02947 | 18.89051 | 28.48949 | 36.71528 | 2.57632 | 45.76368 | 34.0412 | -0.09776 | 49.56776 | 45.56274 | 11.42378 | 30.78622 |
| 1/6/2025 | 1:00:00 PM | 34.15233 | 53.04736 | 18.89503 | 28.48497 | 36.72959 | 2.57726 | 45.76274 | 34.05574 | -0.09659 | 49.56659 | 45.58774 | 11.43541 | 30.77459 |
| 1/6/2025 | 2:00:00 PM | 34.15902 | 53.03305 | 18.87403 | 28.50597 | 36.74391 | 2.58489 | 45.75511 | 34.05937 | -0.09965 | 49.56965 | 45.59489 | 11.43587 | 30.77413 |
| 1/6/2025 | 3:00:00 PM | 34.14899 | 53.04378 | 18.89479 | 28.48521 | 36.75465 | 2.60566 | 45.73434 | 34.06301 | -0.08598 | 49.55598 | 45.59846 | 11.44947 | 30.76053 |
| 1/6/2025 | 4:00:00 PM | 34.15233 | 53.05093 | 18.8986 | 28.4814 | 36.76539 | 2.61306 | 45.72694 | 34.07391 | -0.07842 | 49.54842 | 45.61631 | 11.46398 | 30.74602 |
| 1/6/2025 | 5:00:00 PM | 34.16571 | 53.05451 | 18.8888 | 28.4912 | 36.77613 | 2.61042 | 45.72958 | 34.08118 | -0.08453 | 49.55453 | 45.63417 | 11.46846 | 30.74154 |
| 1/6/2025 | 6:00:00 PM | 34.17574 | 53.06524 | 18.8895 | 28.4905 | 36.78329 | 2.60755 | 45.73245 | 34.09572 | -0.08002 | 49.55002 | 45.64846 | 11.47272 | 30.73728 |
| 1/6/2025 | 7:00:00 PM | 34.1724 | 53.06524 | 18.89284 | 28.48716 | 36.80118 | 2.62878 | 45.71122 | 34.09572 | -0.07668 | 49.54668 | 45.6556 | 11.4832 | 30.7268 |
| 1/6/2025 | 8:00:00 PM | 34.17908 | 53.07596 | 18.89688 | 28.48312 | 36.81192 | 2.63284 | 45.70716 | 34.10298 | -0.0761 | 49.5461 | 45.66631 | 11.48723 | 30.72277 |
| 1/6/2025 | 9:00:00 PM | 34.18243 | 53.07239 | 18.88996 | 28.49004 | 36.82624 | 2.64381 | 45.69619 | 34.09935 | -0.08308 | 49.55308 | 45.66988 | 11.48745 | 30.72255 |
| 1/6/2025 | 10:00:00 PM | 34.19246 | 53.08669 | 18.89423 | 28.48577 | 36.82982 | 2.63736 | 45.70264 | 34.10662 | -0.08584 | 49.55584 | 45.69488 | 11.50242 | 30.70758 |
| 1/6/2025 | 11:00:00 PM | 34.18577 | 53.08312 | 18.89735 | 28.48265 | 36.84414 | 2.65837 | 45.68163 | 34.11389 | -0.07188 | 49.54188 | 45.6806 | 11.49483 | 30.71517 |
| 1/7/2025 | 12:00:00 AM | 34.17908 | 53.07954 | 18.90046 | 28.47954 | 36.84772 | 2.66864 | 45.67136 | 34.11389 | -0.06519 | 49.53519 | 45.66631 | 11.48723 | 30.72277 |
| 1/7/2025 | 1:00:00 AM | 34.19246 | 53.09027 | 18.89781 | 28.48219 | 36.86204 | 2.66958 | 45.67042 | 34.12115 | -0.07131 | 49.54131 | 45.71274 | 11.52028 | 30.68972 |
| 1/7/2025 | 2:00:00 AM | 34.17908 | 53.06524 | 18.88616 | 28.49384 | 36.86204 | 2.68296 | 45.65704 | 34.11389 | -0.06519 | 49.53519 | 45.66631 | 11.48723 | 30.72277 |
| 1/7/2025 | 3:00:00 AM | 34.1724 | 53.06881 | 18.89641 | 28.48359 | 36.86562 | 2.69322 | 45.64678 | 34.10662 | -0.06578 | 49.53578 | 45.66988 | 11.49748 | 30.71252 |
| 1/7/2025 | 4:00:00 AM | 34.14899 | 53.03663 | 18.88764 | 28.49236 | 36.87636 | 2.72737 | 45.61263 | 34.09572 | -0.05327 | 49.52327 | 45.65203 | 11.50304 | 30.70696 |
| 1/7/2025 | 5:00:00 AM | 34.14899 | 53.0402 | 18.89121 | 28.48879 | 36.89067 | 2.74168 | 45.59832 | 34.09208 | -0.05691 | 49.52691 | 45.64488 | 11.49589 | 30.71411 |
| 1/7/2025 | 6:00:00 AM | 34.14564 | 53.04736 | 18.90172 | 28.47828 | 36.87993 | 2.73429 | 45.60571 | 34.09572 | -0.04992 | 49.51992 | 45.67345 | 11.52781 | 30.68219 |
| 1/7/2025 | 7:00:00 AM | 34.14899 | 53.06166 | 18.91267 | 28.46733 | 36.89067 | 2.74168 | 45.59832 | 34.09935 | -0.04964 | 49.51964 | 45.69131 | 11.54232 | 30.66768 |
| 1/7/2025 | 8:00:00 AM | 34.16236 | 53.08312 | 18.92076 | 28.45924 | 36.89425 | 2.73189 | 45.60811 | 34.10298 | -0.05938 | 49.52938 | 45.69845 | 11.53609 | 30.67391 |
| 1/7/2025 | 9:00:00 AM | 34.17574 | 53.08669 | 18.91095 | 28.46905 | 36.90141 | 2.72567 | 45.61433 | 34.11025 | -0.06549 | 49.53549 | 45.71988 | 11.54414 | 30.66586 |
| 1/7/2025 | 10:00:00 AM | 34.18243 | 53.09742 | 18.91499 | 28.46501 | 36.90857 | 2.72614 | 45.61386 | 34.12479 | -0.05764 | 49.52764 | 45.74131 | 11.55888 | 30.65112 |
| 1/7/2025 | 11:00:00 AM | 34.18577 | 53.10457 | 18.9188 | 28.4612 | 36.90857 | 2.7228 | 45.6172 | 34.13206 | -0.05371 | 49.52371 | 45.72702 | 11.54125 | 30.66875 |
| 1/7/2025 | 12:00:00 PM | 34.14899 | 52.99729 | 18.8483 | 28.5317 | 36.90857 | 2.75958 | 45.58042 | 34.09208 | -0.05691 | 49.52691 | 45.61631 | 11.46732 | 30.74268 |
| 1/7/2025 | 1:00:00 PM | 34.1423 | 52.97226 | 18.82996 | 28.55004 | 36.91573 | 2.77343 | 45.56657 | 34.07028 | -0.07202 | 49.54202 | 45.55203 | 11.40973 | 30.80027 |
| 1/7/2025 | 2:00:00 PM | 34.13227 | 52.94723 | 18.81496 | 28.56504 | 36.91215 | 2.77988 | 45.56012 | 34.04847 | -0.0838 | 49.5538 | 45.50917 | 11.3769 | 30.8331 |
| 1/7/2025 | 3:00:00 PM | 34.13561 | 52.92577 | 18.79016 | 28.58984 | 36.91573 | 2.78012 | 45.55988 | 34.03393 | -0.10168 | 49.57168 | 45.46632 | 11.33071 | 30.87929 |
| 1/7/2025 | 4:00:00 PM | 34.12558 | 52.92219 | 18.79661 | 28.58339 | 36.91215 | 2.78657 | 45.55343 | 34.02667 | -0.09891 | 49.56891 | 45.44489 | 11.31931 | 30.89069 |
| 1/7/2025 | 5:00:00 PM | 34.1423 | 52.94007 | 18.79777 | 28.58223 | 36.91215 | 2.76985 | 45.57015 | 34.0303 | -0.112 | 49.582 | 45.47346 | 11.33116 | 30.87884 |
| 1/7/2025 | 6:00:00 PM | 34.13227 | 52.92577 | 18.7935 | 28.5865 | 36.90499 | 2.77272 | 45.56728 | 34.01213 | -0.12014 | 49.59014 | 45.43775 | 11.30548 | 30.90452 |
| 1/7/2025 | 7:00:00 PM | 34.12558 | 52.90431 | 18.77873 | 28.60127 | 36.90499 | 2.77941 | 45.56059 | 34.00486 | -0.12072 | 49.59072 | 45.39132 | 11.26574 | 30.94426 |
| 1/7/2025 | 8:00:00 PM | 34.13561 | 52.93292 | 18.79731 | 28.58269 | 36.89783 | 2.76222 | 45.57778 | 34.00486 | -0.13075 | 49.60075 | 45.44132 | 11.30571 | 30.90429 |
| 1/7/2025 | 9:00:00 PM | 34.12558 | 52.90074 | 18.77516 | 28.60484 | 36.89783 | 2.77225 | 45.56775 | 33.98306 | -0.14252 | 49.61252 | 45.39132 | 11.26574 | 30.94426 |
| 1/7/2025 | 10:00:00 PM | 34.12558 | 52.88643 | 18.76085 | 28.61915 | 36.88709 | 2.76151 | 45.57849 | 33.97579 | -0.14979 | 49.61979 | 45.36989 | 11.24431 | 30.96569 |
| 1/7/2025 | 11:00:00 PM | 34.13896 | 52.92935 | 18.79039 | 28.58961 | 36.88709 | 2.74813 | 45.59187 | 33.99759 | -0.14137 | 49.61137 | 45.43061 | 11.29165 | 30.91835 |
| 1/8/2025 | 12:00:00 AM | 34.15233 | 52.96153 | 18.8092 | 28.5708 | 36.88709 | 2.73476 | 45.60524 | 34.00123 | -0.1511 | 49.6211 | 45.46989 | 11.31756 | 30.89244 |
| 1/8/2025 | 1:00:00 AM | 34.15902 | 52.96868 | 18.80966 | 28.57034 | 36.87993 | 2.72091 | 45.61909 | 34.0194 | -0.13962 | 49.60962 | 45.4806 | 11.32158 | 30.88842 |
| 1/8/2025 | 2:00:00 AM | 34.15902 | 52.97226 | 18.81324 | 28.56676 | 36.88351 | 2.72449 | 45.61551 | 34.02303 | -0.13599 | 49.60599 | 45.48775 | 11.32873 | 30.88127 |
| 1/8/2025 | 3:00:00 AM | 34.16236 | 52.98299 | 18.82063 | 28.55937 | 36.88351 | 2.72115 | 45.61885 | 34.0303 | -0.13206 | 49.60206 | 45.49846 | 11.3361 | 30.8739 |
| 1/8/2025 | 4:00:00 AM | 34.16905 | 52.99729 | 18.82824 | 28.55176 | 36.87993 | 2.71088 | 45.62912 | 34.03757 | -0.13148 | 49.60148 | 45.51632 | 11.34727 | 30.86273 |
| 1/8/2025 | 5:00:00 AM | 34.16905 | 52.98656 | 18.81751 | 28.56249 | 36.87993 | 2.71088 | 45.62912 | 34.03757 | -0.13148 | 49.60148 | 45.50917 | 11.34012 | 30.86988 |
| 1/8/2025 | 6:00:00 AM | 34.17574 | 53.00802 | 18.83228 | 28.54772 | 36.89067 | 2.71493 | 45.62507 | 34.04847 | -0.12727 | 49.59727 | 45.53775 | 11.36201 | 30.84799 |
| 1/8/2025 | 7:00:00 AM | 34.16905 | 53.00087 | 18.83182 | 28.54818 | 36.88709 | 2.71804 | 45.62196 | 34.05574 | -0.11331 | 49.58331 | 45.54132 | 11.37227 | 30.83773 |
| 1/8/2025 | 8:00:00 AM | 34.18577 | 53.02947 | 18.8437 | 28.5363 | 36.89067 | 2.7049 | 45.6351 | 34.07391 | -0.11186 | 49.58186 | 45.59131 | 11.40554 | 30.80446 |
| 1/8/2025 | 9:00:00 AM | 34.20249 | 53.06166 | 18.85917 | 28.52083 | 36.89425 | 2.69176 | 45.64824 | 34.09572 | -0.10677 | 49.57677 | 45.64846 | 11.44597 | 30.76403 |
| 1/8/2025 | 10:00:00 AM | 34.21252 | 53.07954 | 18.86702 | 28.51298 | 36.90141 | 2.68889 | 45.65111 | 34.10662 | -0.1059 | 49.5759 | 45.67345 | 11.46093 | 30.74907 |
| 1/8/2025 | 11:00:00 AM | 34.21921 | 53.06881 | 18.8496 | 28.5304 | 36.90499 | 2.68578 | 45.65422 | 34.11025 | -0.10896 | 49.57896 | 45.65203 | 11.43282 | 30.77718 |
| 1/8/2025 | 12:00:00 PM | 34.21587 | 53.05093 | 18.83506 | 28.54494 | 36.90857 | 2.6927 | 45.6473 | 34.09935 | -0.11652 | 49.58652 | 45.60917 | 11.3933 | 30.8167 |
| 1/8/2025 | 1:00:00 PM | 34.22924 | 53.03663 | 18.80739 | 28.57261 | 36.92289 | 2.69365 | 45.64635 | 34.10298 | -0.12626 | 49.59626 | 45.59489 | 11.36565 | 30.84435 |
| 1/8/2025 | 2:00:00 PM | 34.22256 | 53.01875 | 18.79619 | 28.58381 | 36.91931 | 2.69675 | 45.64325 | 34.09572 | -0.12684 | 49.59684 | 45.5556 | 11.33304 | 30.87696 |
| 1/8/2025 | 3:00:00 PM | 34.21587 | 53.0259 | 18.81003 | 28.56997 | 36.92289 | 2.70702 | 45.63298 | 34.09208 | -0.12379 | 49.59379 | 45.58774 | 11.37187 | 30.83813 |
| 1/8/2025 | 4:00:00 PM | 34.21587 | 53.02947 | 18.8136 | 28.5664 | 36.92289 | 2.70702 | 45.63298 | 34.09935 | -0.11652 | 49.58652 | 45.59846 | 11.38259 | 30.82741 |
| 1/8/2025 | 5:00:00 PM | 34.22256 | 53.04736 | 18.8248 | 28.5552 | 36.92647 | 2.70391 | 45.63609 | 34.10662 | -0.11594 | 49.58594 | 45.61631 | 11.39375 | 30.81625 |
| 1/8/2025 | 6:00:00 PM | 34.21587 | 53.06166 | 18.84579 | 28.53421 | 36.93363 | 2.71776 | 45.62224 | 34.11389 | -0.10198 | 49.57198 | 45.64846 | 11.43259 | 30.77741 |
| 1/8/2025 | 7:00:00 PM | 34.21252 | 53.06524 | 18.85272 | 28.52728 | 36.93363 | 2.72111 | 45.61889 | 34.12479 | -0.08773 | 49.55773 | 45.66988 | 11.45736 | 30.75264 |
| 1/8/2025 | 8:00:00 PM | 34.20249 | 53.04736 | 18.84487 | 28.53513 | 36.93721 | 2.73472 | 45.60528 | 34.11752 | -0.08497 | 49.55497 | 45.64131 | 11.43882 | 30.77118 |
| 1/8/2025 | 9:00:00 PM | 34.20584 | 53.06166 | 18.85582 | 28.52418 | 36.93721 | 2.73137 | 45.60863 | 34.11752 | -0.08832 | 49.55832 | 45.6556 | 11.44976 | 30.76024 |
| 1/8/2025 | 10:00:00 PM | 34.20584 | 53.05808 | 18.85224 | 28.52776 | 36.94079 | 2.73495 | 45.60505 | 34.11752 | -0.08832 | 49.55832 | 45.65203 | 11.44619 | 30.76381 |
| 1/8/2025 | 11:00:00 PM | 34.20584 | 53.06166 | 18.85582 | 28.52418 | 36.94795 | 2.74211 | 45.59789 | 34.12115 | -0.08469 | 49.55469 | 45.64131 | 11.43547 | 30.77453 |
| 1/9/2025 | 12:00:00 AM | 34.21252 | 53.09027 | 18.87775 | 28.50225 | 36.94795 | 2.73543 | 45.60457 | 34.13933 | -0.07319 | 49.54319 | 45.6806 | 11.46808 | 30.74192 |
| 1/9/2025 | 1:00:00 AM | 34.20584 | 53.07239 | 18.86655 | 28.51345 | 36.9551 | 2.74926 | 45.59074 | 34.13206 | -0.07378 | 49.54378 | 45.64488 | 11.43904 | 30.77096 |
| 1/9/2025 | 2:00:00 AM | 34.20249 | 53.08669 | 18.8842 | 28.4958 | 36.96226 | 2.75977 | 45.58023 | 34.13569 | -0.0668 | 49.5368 | 45.67345 | 11.47096 | 30.73904 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/9/2025 | 3:00:00 AM | 34.1958 | 53.08669 | 18.89089 | 28.48911 | 36.96942 | 2.77362 | 45.56638 | 34.13569 | -0.06011 | 49.53011 | 45.67345 | 11.47765 | 30.73235 |
| 1/9/2025 | 4:00:00 AM | 34.17908 | 53.05808 | 18.879 | 28.501 | 36.95868 | 2.7796 | 45.5604 | 34.12115 | -0.05793 | 49.52793 | 45.61989 | 11.44081 | 30.76919 |
| 1/9/2025 | 5:00:00 AM | 34.1724 | 53.04378 | 18.87138 | 28.50862 | 36.96584 | 2.79344 | 45.54656 | 34.11025 | -0.06215 | 49.53215 | 45.59489 | 11.42249 | 30.78751 |
| 1/9/2025 | 6:00:00 AM | 34.16571 | 53.04736 | 18.88165 | 28.49835 | 36.96942 | 2.80371 | 45.53629 | 34.09572 | -0.06999 | 49.53999 | 45.58417 | 11.41846 | 30.79154 |
| 1/9/2025 | 7:00:00 AM | 34.16571 | 53.02947 | 18.86376 | 28.51624 | 36.96226 | 2.79655 | 45.54345 | 34.09208 | -0.07363 | 49.54363 | 45.57703 | 11.41132 | 30.79868 |
| 1/9/2025 | 8:00:00 AM | 34.17574 | 53.06166 | 18.88592 | 28.49408 | 36.96942 | 2.79368 | 45.54632 | 34.10298 | -0.07276 | 49.54276 | 45.59846 | 11.42272 | 30.78728 |
| 1/9/2025 | 9:00:00 AM | 34.14899 | 52.99729 | 18.8483 | 28.5317 | 36.96584 | 2.81685 | 45.52315 | 34.09935 | -0.04964 | 49.51964 | 45.59489 | 11.4459 | 30.7641 |
| 1/9/2025 | 10:00:00 AM | 34.14899 | 52.98299 | 18.834 | 28.546 | 36.973 | 2.82401 | 45.51599 | 34.09208 | -0.05691 | 49.52691 | 45.56274 | 11.41375 | 30.79625 |
| 1/9/2025 | 11:00:00 AM | 34.1423 | 52.94365 | 18.80135 | 28.57865 | 36.96584 | 2.82354 | 45.51646 | 34.07028 | -0.07202 | 49.54202 | 45.48418 | 11.34188 | 30.86812 |
| 1/9/2025 | 12:00:00 PM | 34.14899 | 52.92577 | 18.77678 | 28.60322 | 36.96584 | 2.81685 | 45.52315 | 34.05211 | -0.09688 | 49.56688 | 45.45203 | 11.30304 | 30.90696 |
| 1/9/2025 | 1:00:00 PM | 34.15233 | 52.89716 | 18.74483 | 28.63517 | 36.96584 | 2.81351 | 45.52649 | 34.03757 | -0.11476 | 49.58476 | 45.39489 | 11.24256 | 30.96744 |
| 1/9/2025 | 2:00:00 PM | 34.12892 | 52.8757 | 18.74678 | 28.63322 | 36.96226 | 2.83334 | 45.50666 | 34.00486 | -0.12406 | 49.59406 | 45.34489 | 11.21597 | 30.99403 |
| 1/9/2025 | 3:00:00 PM | 34.10217 | 52.8471 | 18.74493 | 28.63507 | 36.95868 | 2.85651 | 45.48349 | 33.99396 | -0.10821 | 49.57821 | 45.28775 | 11.18558 | 31.02442 |
| 1/9/2025 | 4:00:00 PM | 34.07876 | 52.82922 | 18.75046 | 28.62954 | 36.94079 | 2.86203 | 45.47797 | 33.95762 | -0.12114 | 49.59114 | 45.2449 | 11.16614 | 31.04386 |
| 1/9/2025 | 5:00:00 PM | 34.06873 | 52.82564 | 18.75691 | 28.62309 | 36.93363 | 2.8649 | 45.4751 | 33.95398 | -0.11475 | 49.58475 | 45.23776 | 11.16903 | 31.04097 |
| 1/9/2025 | 6:00:00 PM | 34.04867 | 52.80776 | 18.75909 | 28.62091 | 36.93005 | 2.88138 | 45.45862 | 33.93581 | -0.11286 | 49.58286 | 45.19133 | 11.14266 | 31.06734 |
| 1/9/2025 | 7:00:00 PM | 34.03195 | 52.80418 | 18.77223 | 28.60777 | 36.91931 | 2.88736 | 45.45264 | 33.92491 | -0.10704 | 49.57704 | 45.1699 | 11.13795 | 31.07205 |
| 1/9/2025 | 8:00:00 PM | 34.0286 | 52.78273 | 18.75413 | 28.62587 | 36.90857 | 2.87997 | 45.46003 | 33.91401 | -0.11459 | 49.58459 | 45.14847 | 11.11987 | 31.09013 |
| 1/9/2025 | 9:00:00 PM | 33.99851 | 52.76127 | 18.76276 | 28.61724 | 36.90499 | 2.90648 | 45.43352 | 33.88857 | -0.10994 | 49.57994 | 45.10205 | 11.10354 | 31.10646 |
| 1/9/2025 | 10:00:00 PM | 33.96507 | 52.73266 | 18.76759 | 28.61241 | 36.88351 | 2.91844 | 45.42156 | 33.8704 | -0.09467 | 49.56467 | 45.0449 | 11.07983 | 31.13017 |
| 1/9/2025 | 11:00:00 PM | 33.91825 | 52.6826 | 18.76435 | 28.61565 | 36.8692 | 2.95095 | 45.38905 | 33.84496 | -0.07329 | 49.54329 | 44.96634 | 11.04809 | 31.16191 |
| 1/10/2025 | 12:00:00 AM | 33.90488 | 52.66472 | 18.75984 | 28.62016 | 36.8692 | 2.96432 | 45.37568 | 33.81225 | -0.09263 | 49.56263 | 44.92348 | 11.0186 | 31.1914 |
| 1/10/2025 | 1:00:00 AM | 33.8915 | 52.65399 | 18.76249 | 28.61751 | 36.85488 | 2.96338 | 45.37662 | 33.80498 | -0.08652 | 49.55652 | 44.89848 | 11.00698 | 31.20302 |
| 1/10/2025 | 2:00:00 AM | 33.88147 | 52.64326 | 18.76179 | 28.61821 | 36.84056 | 2.95909 | 45.38091 | 33.78318 | -0.09829 | 49.56829 | 44.86634 | 10.98487 | 31.22513 |
| 1/10/2025 | 3:00:00 AM | 33.87812 | 52.64326 | 18.76514 | 28.61486 | 36.82624 | 2.94812 | 45.39188 | 33.77591 | -0.10221 | 49.57221 | 44.85205 | 10.97393 | 31.23607 |
| 1/10/2025 | 4:00:00 AM | 33.90153 | 52.67902 | 18.77749 | 28.60251 | 36.80834 | 2.90681 | 45.43319 | 33.77591 | -0.12562 | 49.59562 | 44.89491 | 10.99338 | 31.21662 |
| 1/10/2025 | 5:00:00 AM | 33.89484 | 52.64684 | 18.752 | 28.628 | 36.79761 | 2.90277 | 45.43723 | 33.76501 | -0.12983 | 49.59983 | 44.85563 | 10.96079 | 31.24921 |
| 1/10/2025 | 6:00:00 AM | 33.88816 | 52.67187 | 18.78371 | 28.59629 | 36.79045 | 2.90229 | 45.43771 | 33.76137 | -0.12679 | 49.59679 | 44.90205 | 11.01389 | 31.19611 |
| 1/10/2025 | 7:00:00 AM | 33.90822 | 52.70763 | 18.79941 | 28.58059 | 36.78329 | 2.87507 | 45.46493 | 33.76864 | -0.13958 | 49.60958 | 44.96634 | 11.05812 | 31.15188 |
| 1/10/2025 | 8:00:00 AM | 33.89484 | 52.6826 | 18.78776 | 28.59224 | 36.76897 | 2.87413 | 45.46587 | 33.7541 | -0.14074 | 49.61074 | 44.91991 | 11.02507 | 31.18493 |
| 1/10/2025 | 9:00:00 AM | 33.91156 | 52.71121 | 18.79965 | 28.58035 | 36.75465 | 2.84309 | 45.49691 | 33.76137 | -0.15019 | 49.62019 | 44.95919 | 11.04763 | 31.16237 |
| 1/10/2025 | 10:00:00 AM | 33.9216 | 52.73266 | 18.81106 | 28.56894 | 36.74749 | 2.82589 | 45.51411 | 33.76864 | -0.15296 | 49.62296 | 44.99491 | 11.07331 | 31.13669 |
| 1/10/2025 | 11:00:00 AM | 33.92494 | 52.74697 | 18.82203 | 28.55797 | 36.74749 | 2.82255 | 45.51745 | 33.77954 | -0.1454 | 49.6154 | 45.00919 | 11.08425 | 31.12575 |
| 1/10/2025 | 12:00:00 PM | 33.93163 | 52.75412 | 18.82249 | 28.55751 | 36.73317 | 2.80154 | 45.53846 | 33.77954 | -0.15209 | 49.62209 | 45.01991 | 11.08828 | 31.12172 |
| 1/10/2025 | 1:00:00 PM | 33.94166 | 52.75769 | 18.81603 | 28.56397 | 36.73675 | 2.79509 | 45.54491 | 33.78318 | -0.15848 | 49.62848 | 45.01276 | 11.0711 | 31.1389 |
| 1/10/2025 | 2:00:00 PM | 33.94835 | 52.772 | 18.82365 | 28.55635 | 36.74033 | 2.79198 | 45.54802 | 33.79045 | -0.1579 | 49.6279 | 45.03062 | 11.08227 | 31.12773 |
| 1/10/2025 | 3:00:00 PM | 33.95838 | 52.80061 | 18.84223 | 28.53777 | 36.72959 | 2.77121 | 45.56879 | 33.80862 | -0.14976 | 49.61976 | 45.08062 | 11.12224 | 31.08776 |
| 1/10/2025 | 4:00:00 PM | 33.9751 | 52.82922 | 18.85412 | 28.52588 | 36.72244 | 2.74734 | 45.59266 | 33.82679 | -0.14831 | 49.61831 | 45.1199 | 11.1448 | 31.0652 |
| 1/10/2025 | 5:00:00 PM | 33.99182 | 52.86498 | 18.87316 | 28.50684 | 36.72959 | 2.73777 | 45.60223 | 33.85223 | -0.13959 | 49.60959 | 45.19133 | 11.19951 | 31.01049 |
| 1/10/2025 | 6:00:00 PM | 34.0052 | 52.89716 | 18.89196 | 28.48804 | 36.72601 | 2.72081 | 45.61919 | 33.87767 | -0.12753 | 49.59753 | 45.2449 | 11.2397 | 30.9703 |
| 1/10/2025 | 7:00:00 PM | 34.00854 | 52.90789 | 18.89935 | 28.48065 | 36.74033 | 2.73179 | 45.60821 | 33.88857 | -0.11997 | 49.58997 | 45.28061 | 11.27207 | 30.93793 |
| 1/10/2025 | 8:00:00 PM | 34.01523 | 52.93292 | 18.91769 | 28.46231 | 36.73317 | 2.71794 | 45.62206 | 33.91401 | -0.10122 | 49.57122 | 45.3199 | 11.30467 | 30.90533 |
| 1/10/2025 | 9:00:00 PM | 34.03195 | 52.96868 | 18.93673 | 28.44327 | 36.74391 | 2.71196 | 45.62804 | 33.93218 | -0.09977 | 49.56977 | 45.38061 | 11.34866 | 30.86134 |
| 1/10/2025 | 10:00:00 PM | 34.03864 | 52.99371 | 18.95507 | 28.42493 | 36.75107 | 2.71243 | 45.62757 | 33.95035 | -0.08829 | 49.55829 | 45.40918 | 11.37054 | 30.83946 |
| 1/10/2025 | 11:00:00 PM | 34.04198 | 53.00087 | 18.95889 | 28.42111 | 36.76181 | 2.71983 | 45.62017 | 33.96489 | -0.07709 | 49.54709 | 45.43775 | 11.39577 | 30.81423 |
| 1/11/2025 | 12:00:00 AM | 34.03864 | 53.00444 | 18.9658 | 28.4142 | 36.76539 | 2.72675 | 45.61325 | 33.97579 | -0.06285 | 49.53285 | 45.46275 | 11.42411 | 30.78589 |
| 1/11/2025 | 1:00:00 AM | 34.04198 | 53.00087 | 18.95889 | 28.42111 | 36.77255 | 2.73057 | 45.60943 | 33.99032 | -0.05166 | 49.52166 | 45.48775 | 11.44577 | 30.76423 |
| 1/11/2025 | 2:00:00 AM | 34.05536 | 53.01159 | 18.95623 | 28.42377 | 36.79045 | 2.73509 | 45.60491 | 34.00123 | -0.05413 | 49.52413 | 45.49846 | 11.4431 | 30.7669 |
| 1/11/2025 | 3:00:00 AM | 34.07208 | 53.0402 | 18.96812 | 28.41188 | 36.79045 | 2.71837 | 45.62163 | 34.0085 | -0.06358 | 49.53358 | 45.54132 | 11.46924 | 30.74076 |
| 1/11/2025 | 4:00:00 AM | 34.08211 | 53.03663 | 18.95452 | 28.42548 | 36.79761 | 2.7155 | 45.6245 | 34.01576 | -0.06635 | 49.53635 | 45.54132 | 11.45921 | 30.75079 |
| 1/11/2025 | 5:00:00 AM | 34.0888 | 53.04736 | 18.95856 | 28.42144 | 36.80834 | 2.71954 | 45.62046 | 34.0303 | -0.0585 | 49.5285 | 45.55917 | 11.47037 | 30.73963 |
| 1/11/2025 | 6:00:00 AM | 34.09883 | 53.06166 | 18.96283 | 28.41717 | 36.8155 | 2.71667 | 45.62333 | 34.03393 | -0.0649 | 49.5349 | 45.58774 | 11.48891 | 30.72109 |
| 1/11/2025 | 7:00:00 AM | 34.12224 | 53.09384 | 18.9716 | 28.4084 | 36.8334 | 2.71116 | 45.62884 | 34.05574 | -0.0665 | 49.5365 | 45.62346 | 11.50122 | 30.70878 |
| 1/11/2025 | 8:00:00 AM | 34.11889 | 53.09384 | 18.97495 | 28.40505 | 36.83698 | 2.71809 | 45.62191 | 34.06664 | -0.05225 | 49.52225 | 45.62703 | 11.50814 | 30.70186 |
| 1/11/2025 | 9:00:00 AM | 34.1423 | 53.1153 | 18.973 | 28.407 | 36.84772 | 2.70542 | 45.63458 | 34.08118 | -0.06112 | 49.53112 | 45.66988 | 11.52758 | 30.68242 |
| 1/11/2025 | 10:00:00 AM | 34.16236 | 53.13676 | 18.9744 | 28.4056 | 36.8513 | 2.68894 | 45.65106 | 34.09208 | -0.07028 | 49.54028 | 45.69488 | 11.53252 | 30.67748 |
| 1/11/2025 | 11:00:00 AM | 34.16905 | 53.13676 | 18.96771 | 28.41229 | 36.86562 | 2.69657 | 45.64343 | 34.10298 | -0.06607 | 49.53607 | 45.70917 | 11.54012 | 30.66988 |
| 1/11/2025 | 12:00:00 PM | 34.1724 | 53.12603 | 18.95363 | 28.42637 | 36.87636 | 2.70396 | 45.63604 | 34.10298 | -0.06942 | 49.53942 | 45.69131 | 11.51891 | 30.69109 |
| 1/11/2025 | 1:00:00 PM | 34.16905 | 53.12245 | 18.9534 | 28.4266 | 36.88709 | 2.71804 | 45.62196 | 34.10662 | -0.06243 | 49.53243 | 45.6806 | 11.51155 | 30.69845 |
| 1/11/2025 | 2:00:00 PM | 34.16571 | 53.13318 | 18.96747 | 28.41253 | 36.89425 | 2.72854 | 45.61146 | 34.10662 | -0.05909 | 49.52909 | 45.67345 | 11.50774 | 30.70226 |
| 1/11/2025 | 3:00:00 PM | 34.16905 | 53.12603 | 18.95698 | 28.42302 | 36.89783 | 2.72878 | 45.61122 | 34.11025 | -0.0588 | 49.5288 | 45.68774 | 11.51869 | 30.69131 |
| 1/11/2025 | 4:00:00 PM | 34.16571 | 53.12603 | 18.96032 | 28.41968 | 36.90857 | 2.74286 | 45.59714 | 34.11752 | -0.04819 | 49.51819 | 45.69845 | 11.53274 | 30.67726 |
| 1/11/2025 | 5:00:00 PM | 34.19246 | 53.15821 | 18.96575 | 28.41425 | 36.91931 | 2.72685 | 45.61315 | 34.12479 | -0.06767 | 49.53767 | 45.74488 | 11.55242 | 30.65758 |
| 1/11/2025 | 6:00:00 PM | 34.18243 | 53.13318 | 18.95075 | 28.42925 | 36.92647 | 2.74404 | 45.59596 | 34.12479 | -0.05764 | 49.52764 | 45.71988 | 11.53745 | 30.67255 |
| 1/11/2025 | 7:00:00 PM | 34.16905 | 53.13676 | 18.96771 | 28.41229 | 36.93005 | 2.761 | 45.579 | 34.12479 | -0.04426 | 49.51426 | 45.71988 | 11.55083 | 30.65917 |
| 1/11/2025 | 8:00:00 PM | 34.1724 | 53.13676 | 18.96436 | 28.41564 | 36.93721 | 2.76481 | 45.57519 | 34.12479 | -0.04761 | 49.51761 | 45.72702 | 11.55462 | 30.65538 |
| 1/11/2025 | 9:00:00 PM | 34.16236 | 53.1296 | 18.96724 | 28.41276 | 36.94079 | 2.77843 | 45.56157 | 34.12842 | -0.03394 | 49.50394 | 45.72345 | 11.56109 | 30.64891 |
| 1/11/2025 | 10:00:00 PM | 34.15902 | 53.12245 | 18.96343 | 28.41657 | 36.95153 | 2.79251 | 45.54749 | 34.12115 | -0.03787 | 49.50787 | 45.71988 | 11.56086 | 30.64914 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/11/2025 | 11:00:00 PM | 34.16905 | 53.1296 | 18.96055 | 28.41945 | 36.94795 | 2.7789 | 45.5611 | 34.12115 | -0.0479 | 49.5179 | 45.72345 | 11.5544 | 30.6556 |
| 1/12/2025 | 12:00:00 AM | 34.15568 | 53.12603 | 18.97035 | 28.40965 | 36.9551 | 2.79942 | 45.54058 | 34.12115 | -0.03453 | 49.50453 | 45.7056 | 11.54992 | 30.66008 |
| 1/12/2025 | 1:00:00 AM | 34.15568 | 53.1153 | 18.95962 | 28.42038 | 36.95868 | 2.803 | 45.537 | 34.12115 | -0.03453 | 49.50453 | 45.67703 | 11.52135 | 30.68865 |
| 1/12/2025 | 2:00:00 AM | 34.15568 | 53.12245 | 18.96677 | 28.41323 | 36.96584 | 2.81016 | 45.52984 | 34.11389 | -0.04179 | 49.51179 | 45.69488 | 11.5392 | 30.6708 |
| 1/12/2025 | 3:00:00 AM | 34.16236 | 53.12245 | 18.96009 | 28.41991 | 36.96226 | 2.7999 | 45.5401 | 34.11025 | -0.05211 | 49.52211 | 45.68774 | 11.52538 | 30.68462 |
| 1/12/2025 | 4:00:00 AM | 34.15568 | 53.1153 | 18.95962 | 28.42038 | 36.96584 | 2.81016 | 45.52984 | 34.11025 | -0.04543 | 49.51543 | 45.67345 | 11.51777 | 30.69223 |
| 1/12/2025 | 5:00:00 AM | 34.14564 | 53.101 | 18.95536 | 28.42464 | 36.96584 | 2.8202 | 45.5198 | 34.09572 | -0.04992 | 49.51992 | 45.65203 | 11.50639 | 30.70361 |
| 1/12/2025 | 6:00:00 AM | 34.1423 | 53.10457 | 18.96227 | 28.41773 | 36.96942 | 2.82712 | 45.51288 | 34.09208 | -0.05022 | 49.52022 | 45.63417 | 11.49187 | 30.71813 |
| 1/12/2025 | 7:00:00 AM | 34.11889 | 53.05451 | 18.93562 | 28.44438 | 36.97658 | 2.85769 | 45.48231 | 34.09208 | -0.02681 | 49.49681 | 45.63417 | 11.51528 | 30.69472 |
| 1/12/2025 | 8:00:00 AM | 34.12224 | 53.05451 | 18.93227 | 28.44773 | 36.96942 | 2.84718 | 45.49282 | 34.08481 | -0.03743 | 49.50743 | 45.63417 | 11.51193 | 30.69807 |
| 1/12/2025 | 9:00:00 AM | 34.12558 | 53.07239 | 18.94681 | 28.43319 | 36.973 | 2.84742 | 45.49258 | 34.09208 | -0.0335 | 49.5035 | 45.64846 | 11.52288 | 30.68712 |
| 1/12/2025 | 10:00:00 AM | 34.13227 | 53.06881 | 18.93654 | 28.44346 | 36.973 | 2.84073 | 45.49927 | 34.09572 | -0.03655 | 49.50655 | 45.66631 | 11.53404 | 30.67596 |
| 1/12/2025 | 11:00:00 AM | 34.13561 | 53.07596 | 18.94035 | 28.43965 | 36.96942 | 2.83381 | 45.50619 | 34.09935 | -0.03626 | 49.50626 | 45.66988 | 11.53427 | 30.67573 |
| 1/12/2025 | 12:00:00 PM | 34.1423 | 53.07596 | 18.93366 | 28.44634 | 36.97658 | 2.83428 | 45.50572 | 34.10298 | -0.03932 | 49.50932 | 45.64131 | 11.49901 | 30.71099 |
| 1/12/2025 | 1:00:00 PM | 34.1423 | 53.06166 | 18.91936 | 28.46064 | 36.973 | 2.8307 | 45.5093 | 34.09572 | -0.04658 | 49.51658 | 45.6306 | 11.4883 | 30.7217 |
| 1/12/2025 | 2:00:00 PM | 34.1423 | 53.05451 | 18.91221 | 28.46779 | 36.97658 | 2.83428 | 45.50572 | 34.09208 | -0.05022 | 49.52022 | 45.58774 | 11.44544 | 30.76456 |
| 1/12/2025 | 3:00:00 PM | 34.15233 | 53.08312 | 18.93079 | 28.44921 | 36.97658 | 2.82425 | 45.51575 | 34.10662 | -0.04571 | 49.51571 | 45.64846 | 11.49613 | 30.71387 |
| 1/12/2025 | 4:00:00 PM | 34.15902 | 53.11172 | 18.9527 | 28.4273 | 36.98732 | 2.8283 | 45.5117 | 34.11389 | -0.04513 | 49.51513 | 45.69845 | 11.53943 | 30.67057 |
| 1/12/2025 | 5:00:00 PM | 34.16236 | 53.10815 | 18.94579 | 28.43421 | 36.98374 | 2.82138 | 45.51862 | 34.12842 | -0.03394 | 49.50394 | 45.69845 | 11.53609 | 30.67391 |
| 1/12/2025 | 6:00:00 PM | 34.16236 | 53.1153 | 18.95294 | 28.42706 | 36.98732 | 2.82496 | 45.51504 | 34.12479 | -0.03757 | 49.50757 | 45.7056 | 11.54324 | 30.66676 |
| 1/12/2025 | 7:00:00 PM | 34.1724 | 53.12245 | 18.95005 | 28.42995 | 36.98732 | 2.81492 | 45.52508 | 34.12842 | -0.04398 | 49.51398 | 45.73417 | 11.56177 | 30.64823 |
| 1/12/2025 | 8:00:00 PM | 34.16571 | 53.11888 | 18.95317 | 28.42683 | 36.98732 | 2.82161 | 45.51839 | 34.13933 | -0.02638 | 49.49638 | 45.72702 | 11.56131 | 30.64869 |
| 1/12/2025 | 9:00:00 PM | 34.17908 | 53.13676 | 18.95768 | 28.42232 | 37.00164 | 2.82256 | 45.51744 | 34.14659 | -0.03249 | 49.50249 | 45.75202 | 11.57294 | 30.63706 |
| 1/12/2025 | 10:00:00 PM | 34.18912 | 53.15464 | 18.96552 | 28.41448 | 36.99806 | 2.80894 | 45.53106 | 34.15386 | -0.03526 | 49.50526 | 45.76274 | 11.57362 | 30.63638 |
| 1/12/2025 | 11:00:00 PM | 34.21921 | 53.16537 | 18.94616 | 28.43384 | 37.00164 | 2.78243 | 45.55757 | 34.16113 | -0.05808 | 49.52808 | 45.79488 | 11.57567 | 30.63433 |
| 1/13/2025 | 12:00:00 AM | 34.20918 | 53.13676 | 18.92758 | 28.45242 | 37.0088 | 2.79962 | 45.54038 | 34.16113 | -0.04805 | 49.51805 | 45.74488 | 11.5357 | 30.6743 |
| 1/13/2025 | 1:00:00 AM | 34.23593 | 53.1904 | 18.95447 | 28.42553 | 37.0088 | 2.77287 | 45.56713 | 34.17203 | -0.0639 | 49.5339 | 45.83774 | 11.60181 | 30.60819 |
| 1/13/2025 | 2:00:00 AM | 34.25934 | 53.2047 | 18.94536 | 28.43464 | 37.01238 | 2.75304 | 45.58696 | 34.19747 | -0.06187 | 49.53187 | 45.8913 | 11.63196 | 30.57804 |
| 1/13/2025 | 3:00:00 AM | 34.24931 | 53.21185 | 18.96254 | 28.41746 | 37.01596 | 2.76665 | 45.57335 | 34.20111 | -0.0482 | 49.5182 | 45.88416 | 11.63485 | 30.57515 |
| 1/13/2025 | 4:00:00 AM | 34.24262 | 53.19397 | 18.95135 | 28.42865 | 37.03027 | 2.78765 | 45.55235 | 34.1902 | -0.05242 | 49.52242 | 45.85916 | 11.61654 | 30.59346 |
| 1/13/2025 | 5:00:00 AM | 34.23593 | 53.17967 | 18.94374 | 28.43626 | 37.03385 | 2.79792 | 45.54208 | 34.1902 | -0.04573 | 49.51573 | 45.83059 | 11.59466 | 30.61534 |
| 1/13/2025 | 6:00:00 AM | 34.23928 | 53.18325 | 18.94397 | 28.43603 | 37.03385 | 2.79457 | 45.54543 | 34.18294 | -0.05634 | 49.52634 | 45.82702 | 11.58774 | 30.62226 |
| 1/13/2025 | 7:00:00 AM | 34.22924 | 53.17967 | 18.95043 | 28.42957 | 37.03743 | 2.80819 | 45.53181 | 34.18294 | -0.0463 | 49.5163 | 45.81274 | 11.5835 | 30.6265 |
| 1/13/2025 | 8:00:00 AM | 34.22924 | 53.17609 | 18.94685 | 28.43315 | 37.04101 | 2.81177 | 45.52823 | 34.18294 | -0.0463 | 49.5163 | 45.81631 | 11.58707 | 30.62293 |
| 1/13/2025 | 9:00:00 AM | 34.23259 | 53.19397 | 18.96138 | 28.41862 | 37.04817 | 2.81558 | 45.52442 | 34.18657 | -0.04602 | 49.51602 | 45.84488 | 11.61229 | 30.59771 |
| 1/13/2025 | 10:00:00 AM | 34.23928 | 53.17252 | 18.93324 | 28.44676 | 37.04817 | 2.80889 | 45.53111 | 34.19384 | -0.04544 | 49.51544 | 45.84845 | 11.60917 | 30.60083 |
| 1/13/2025 | 11:00:00 AM | 34.24931 | 53.17252 | 18.92321 | 28.45679 | 37.05533 | 2.80602 | 45.53398 | 34.19384 | -0.05547 | 49.52547 | 45.83416 | 11.58485 | 30.62515 |
| 1/13/2025 | 12:00:00 PM | 34.26937 | 53.15464 | 18.88527 | 28.49473 | 37.05175 | 2.78238 | 45.55762 | 34.18294 | -0.08643 | 49.55643 | 45.79131 | 11.52194 | 30.68806 |
| 1/13/2025 | 1:00:00 PM | 34.25265 | 53.11172 | 18.85907 | 28.52093 | 37.05891 | 2.80626 | 45.53374 | 34.17567 | -0.07698 | 49.54698 | 45.77702 | 11.52437 | 30.68563 |
| 1/13/2025 | 2:00:00 PM | 34.26269 | 53.101 | 18.83831 | 28.54169 | 37.05891 | 2.79622 | 45.54378 | 34.17203 | -0.09066 | 49.56066 | 45.76988 | 11.50719 | 30.70281 |
| 1/13/2025 | 3:00:00 PM | 34.26269 | 53.1296 | 18.86691 | 28.51309 | 37.06249 | 2.7998 | 45.5402 | 34.1684 | -0.09429 | 49.56429 | 45.78059 | 11.5179 | 30.6921 |
| 1/13/2025 | 4:00:00 PM | 34.256 | 53.12603 | 18.87003 | 28.50997 | 37.06249 | 2.80649 | 45.53351 | 34.17567 | -0.08033 | 49.55033 | 45.76631 | 11.51031 | 30.69969 |
| 1/13/2025 | 5:00:00 PM | 34.25265 | 53.13318 | 18.88053 | 28.49947 | 37.05891 | 2.80626 | 45.53374 | 34.1793 | -0.07335 | 49.54335 | 45.78059 | 11.52794 | 30.68206 |
| 1/13/2025 | 6:00:00 PM | 34.256 | 53.15106 | 18.89506 | 28.48494 | 37.06965 | 2.81365 | 45.52635 | 34.18657 | -0.06943 | 49.53943 | 45.78417 | 11.52817 | 30.68183 |
| 1/13/2025 | 7:00:00 PM | 34.24262 | 53.1296 | 18.88698 | 28.49302 | 37.06249 | 2.81987 | 45.52013 | 34.18657 | -0.05605 | 49.52605 | 45.76988 | 11.52726 | 30.68274 |
| 1/13/2025 | 8:00:00 PM | 34.23593 | 53.1296 | 18.89367 | 28.48633 | 37.06965 | 2.83372 | 45.50628 | 34.17567 | -0.06026 | 49.53026 | 45.7556 | 11.51967 | 30.69033 |
| 1/13/2025 | 9:00:00 PM | 34.23259 | 53.13318 | 18.90059 | 28.47941 | 37.07323 | 2.84064 | 45.49936 | 34.17203 | -0.06056 | 49.53056 | 45.74488 | 11.51229 | 30.69771 |
| 1/13/2025 | 10:00:00 PM | 34.2259 | 53.12603 | 18.90013 | 28.47987 | 37.06607 | 2.84017 | 45.49983 | 34.16476 | -0.06114 | 49.53114 | 45.74488 | 11.51898 | 30.69102 |
| 1/13/2025 | 11:00:00 PM | 34.22924 | 53.13318 | 18.90394 | 28.47606 | 37.06607 | 2.83683 | 45.50317 | 34.1684 | -0.06084 | 49.53084 | 45.7556 | 11.52636 | 30.68364 |
| 1/14/2025 | 12:00:00 AM | 34.2259 | 53.13676 | 18.91086 | 28.46914 | 37.07681 | 2.85091 | 45.48909 | 34.17203 | -0.05387 | 49.52387 | 45.75202 | 11.52612 | 30.68388 |
| 1/14/2025 | 1:00:00 AM | 34.2259 | 53.14033 | 18.91443 | 28.46557 | 37.06607 | 2.84017 | 45.49983 | 34.17203 | -0.05387 | 49.52387 | 45.74845 | 11.52255 | 30.68745 |
| 1/14/2025 | 2:00:00 AM | 34.2259 | 53.14391 | 18.91801 | 28.46199 | 37.07323 | 2.84733 | 45.49267 | 34.17567 | -0.05023 | 49.52023 | 45.74131 | 11.51541 | 30.69459 |
| 1/14/2025 | 3:00:00 AM | 34.22924 | 53.15821 | 18.92897 | 28.45103 | 37.06965 | 2.84041 | 45.49959 | 34.18294 | -0.0463 | 49.5163 | 45.7556 | 11.52636 | 30.68364 |
| 1/14/2025 | 4:00:00 AM | 34.22924 | 53.15821 | 18.92897 | 28.45103 | 37.06607 | 2.83683 | 45.50317 | 34.1793 | -0.04994 | 49.51994 | 45.75917 | 11.52993 | 30.68007 |
| 1/14/2025 | 5:00:00 AM | 34.2259 | 53.16179 | 18.93589 | 28.44411 | 37.07323 | 2.84733 | 45.49267 | 34.1793 | -0.0466 | 49.5166 | 45.74845 | 11.52255 | 30.68745 |
| 1/14/2025 | 6:00:00 AM | 34.22256 | 53.16179 | 18.93923 | 28.44077 | 37.07681 | 2.85425 | 45.48575 | 34.17567 | -0.04689 | 49.51689 | 45.73774 | 11.51518 | 30.69482 |
| 1/14/2025 | 7:00:00 AM | 34.21252 | 53.1296 | 18.91708 | 28.46292 | 37.06965 | 2.85713 | 45.48287 | 34.17203 | -0.04049 | 49.51049 | 45.7306 | 11.51808 | 30.69192 |
| 1/14/2025 | 8:00:00 AM | 34.20918 | 53.10815 | 18.89897 | 28.48103 | 37.07681 | 2.86763 | 45.47237 | 34.1684 | -0.04078 | 49.51078 | 45.69845 | 11.48927 | 30.72073 |
| 1/14/2025 | 9:00:00 AM | 34.2259 | 53.15464 | 18.92874 | 28.45126 | 37.07323 | 2.84733 | 45.49267 | 34.19384 | -0.03206 | 49.50206 | 45.74131 | 11.51541 | 30.69459 |
| 1/14/2025 | 10:00:00 AM | 34.22256 | 53.14033 | 18.91777 | 28.46223 | 37.07681 | 2.85425 | 45.48575 | 34.18657 | -0.03599 | 49.50599 | 45.70203 | 11.47947 | 30.73053 |
| 1/14/2025 | 11:00:00 AM | 34.22256 | 53.12245 | 18.89989 | 28.48011 | 37.07681 | 2.85425 | 45.48575 | 34.17567 | -0.04689 | 49.51689 | 45.67703 | 11.45447 | 30.75553 |
| 1/14/2025 | 12:00:00 PM | 34.23928 | 53.12245 | 18.88317 | 28.49683 | 37.07681 | 2.83753 | 45.50247 | 34.17203 | -0.06725 | 49.53725 | 45.64846 | 11.40918 | 30.80082 |
| 1/14/2025 | 1:00:00 PM | 34.26269 | 53.1296 | 18.86691 | 28.51309 | 37.07681 | 2.81412 | 45.52588 | 34.16476 | -0.09793 | 49.56793 | 45.62346 | 11.36077 | 30.84923 |
| 1/14/2025 | 2:00:00 PM | 34.26269 | 53.101 | 18.83831 | 28.54169 | 37.07323 | 2.81054 | 45.52946 | 34.14659 | -0.1161 | 49.5861 | 45.57346 | 11.31077 | 30.89923 |
| 1/14/2025 | 3:00:00 PM | 34.256 | 53.11172 | 18.85572 | 28.52428 | 37.06965 | 2.81365 | 45.52635 | 34.14659 | -0.10941 | 49.57941 | 45.54132 | 11.28532 | 30.92468 |
| 1/14/2025 | 4:00:00 PM | 34.24931 | 53.11172 | 18.86241 | 28.51759 | 37.06965 | 2.82034 | 45.51966 | 34.14296 | -0.10635 | 49.57635 | 45.53417 | 11.28486 | 30.92514 |
| 1/14/2025 | 5:00:00 PM | 34.24596 | 53.11172 | 18.86576 | 28.51424 | 37.06965 | 2.82369 | 45.51631 | 34.14659 | -0.09937 | 49.56937 | 45.52703 | 11.28107 | 30.92893 |
| 1/14/2025 | 6:00:00 PM | 34.24596 | 53.11888 | 18.87292 | 28.50708 | 37.07323 | 2.82727 | 45.51273 | 34.13569 | -0.11027 | 49.58027 | 45.51275 | 11.26679 | 30.94321 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/14/2025 | 7:00:00 PM | 34.21921 | 53.08669 | 18.86748 | 28.51252 | 37.06607 | 2.84686 | 45.49314 | 34.13569 | -0.08352 | 49.55352 | 45.49846 | 11.27925 | 30.93075 |
| 1/14/2025 | 8:00:00 PM | 34.21587 | 53.07596 | 18.86009 | 28.51991 | 37.06607 | 2.8502 | 45.4898 | 34.12842 | -0.08745 | 49.55745 | 45.48775 | 11.27188 | 30.93812 |
| 1/14/2025 | 9:00:00 PM | 34.21587 | 53.07954 | 18.86367 | 28.51633 | 37.06607 | 2.8502 | 45.4898 | 34.12842 | -0.08745 | 49.55745 | 45.48418 | 11.26831 | 30.94169 |
| 1/14/2025 | 10:00:00 PM | 34.21252 | 53.07596 | 18.86344 | 28.51656 | 37.06607 | 2.85355 | 45.48645 | 34.12115 | -0.09137 | 49.56137 | 45.46989 | 11.25737 | 30.95263 |
| 1/14/2025 | 11:00:00 PM | 34.20918 | 53.07596 | 18.86678 | 28.51322 | 37.05891 | 2.84973 | 45.49027 | 34.12479 | -0.08439 | 49.55439 | 45.45203 | 11.24285 | 30.96715 |
| 1/15/2025 | 12:00:00 AM | 34.20584 | 53.06524 | 18.8594 | 28.5206 | 37.05175 | 2.84591 | 45.49409 | 34.11025 | -0.09559 | 49.56559 | 45.42346 | 11.21762 | 30.99238 |
| 1/15/2025 | 1:00:00 AM | 34.20584 | 53.06881 | 18.86297 | 28.51703 | 37.05175 | 2.84591 | 45.49409 | 34.10662 | -0.09922 | 49.56922 | 45.41275 | 11.20691 | 31.00309 |
| 1/15/2025 | 2:00:00 AM | 34.20249 | 53.06166 | 18.85917 | 28.52083 | 37.04817 | 2.84568 | 45.49432 | 34.10298 | -0.09951 | 49.56951 | 45.38418 | 11.18169 | 31.02831 |
| 1/15/2025 | 3:00:00 AM | 34.18912 | 53.04736 | 18.85824 | 28.52176 | 37.05891 | 2.86979 | 45.47021 | 34.09208 | -0.09704 | 49.56704 | 45.34132 | 11.1522 | 31.0578 |
| 1/15/2025 | 4:00:00 AM | 34.18912 | 53.03663 | 18.84751 | 28.53249 | 37.04817 | 2.85905 | 45.48095 | 34.08481 | -0.10431 | 49.57431 | 45.32347 | 11.13435 | 31.07565 |
| 1/15/2025 | 5:00:00 AM | 34.18243 | 53.03305 | 18.85062 | 28.52938 | 37.04101 | 2.85858 | 45.48142 | 34.08481 | -0.09762 | 49.56762 | 45.2949 | 11.11247 | 31.09753 |
| 1/15/2025 | 6:00:00 AM | 34.1724 | 53.0259 | 18.8535 | 28.5265 | 37.03385 | 2.86145 | 45.47855 | 34.06664 | -0.10576 | 49.57576 | 45.26633 | 11.09393 | 31.11607 |
| 1/15/2025 | 7:00:00 AM | 34.1724 | 53.02232 | 18.84992 | 28.53008 | 37.03027 | 2.85787 | 45.48213 | 34.05937 | -0.11303 | 49.58303 | 45.23418 | 11.06178 | 31.14822 |
| 1/15/2025 | 8:00:00 AM | 34.16236 | 53.01159 | 18.84923 | 28.53077 | 37.01954 | 2.85718 | 45.48282 | 34.04847 | -0.11389 | 49.58389 | 45.21633 | 11.05397 | 31.15603 |
| 1/15/2025 | 9:00:00 AM | 34.1724 | 53.02232 | 18.84992 | 28.53008 | 37.0267 | 2.8543 | 45.4857 | 34.0412 | -0.1312 | 49.6012 | 45.21633 | 11.04393 | 31.16607 |
| 1/15/2025 | 10:00:00 AM | 34.16571 | 53.01517 | 18.84946 | 28.53054 | 37.01954 | 2.85383 | 45.48617 | 34.04847 | -0.11724 | 49.58724 | 45.19847 | 11.03276 | 31.17724 |
| 1/15/2025 | 11:00:00 AM | 34.16571 | 52.99729 | 18.83158 | 28.54842 | 37.01954 | 2.85383 | 45.48617 | 34.03393 | -0.13178 | 49.60178 | 45.15919 | 10.99348 | 31.21652 |
| 1/15/2025 | 12:00:00 PM | 34.16236 | 52.97583 | 18.81347 | 28.56653 | 37.0088 | 2.84644 | 45.49356 | 34.01576 | -0.1466 | 49.6166 | 45.10205 | 10.93969 | 31.27031 |
| 1/15/2025 | 1:00:00 PM | 34.14564 | 52.94723 | 18.80159 | 28.57841 | 36.99448 | 2.84884 | 45.49116 | 33.99759 | -0.14805 | 49.61805 | 45.0449 | 10.89926 | 31.31074 |
| 1/15/2025 | 2:00:00 PM | 34.14564 | 52.92577 | 18.78013 | 28.59987 | 36.99448 | 2.84884 | 45.49116 | 33.97579 | -0.16985 | 49.63985 | 44.98419 | 10.83855 | 31.37145 |
| 1/15/2025 | 3:00:00 PM | 34.12892 | 52.90431 | 18.77539 | 28.60461 | 36.98374 | 2.85482 | 45.48518 | 33.95035 | -0.17857 | 49.64857 | 44.92348 | 10.79456 | 31.41544 |
| 1/15/2025 | 4:00:00 PM | 34.1122 | 52.88286 | 18.77066 | 28.60934 | 36.97658 | 2.86438 | 45.47562 | 33.94671 | -0.16549 | 49.63549 | 44.87348 | 10.76128 | 31.44872 |
| 1/15/2025 | 5:00:00 PM | 34.10886 | 52.86498 | 18.75612 | 28.62388 | 36.96584 | 2.85698 | 45.48302 | 33.92128 | -0.18758 | 49.65758 | 44.78777 | 10.67891 | 31.53109 |
| 1/15/2025 | 6:00:00 PM | 34.10552 | 52.85067 | 18.74515 | 28.63485 | 36.9551 | 2.84958 | 45.49042 | 33.89947 | -0.20605 | 49.67605 | 44.73063 | 10.62511 | 31.58489 |
| 1/15/2025 | 7:00:00 PM | 34.09883 | 52.83637 | 18.73754 | 28.64246 | 36.94079 | 2.84196 | 45.49804 | 33.88493 | -0.2139 | 49.6839 | 44.59492 | 10.49609 | 31.71391 |
| 1/15/2025 | 8:00:00 PM | 34.09548 | 52.83637 | 18.74089 | 28.63911 | 36.93363 | 2.83815 | 45.50185 | 33.87403 | -0.22145 | 49.69145 | 44.53778 | 10.4423 | 31.7677 |
| 1/15/2025 | 9:00:00 PM | 34.09214 | 52.83994 | 18.7478 | 28.6322 | 36.92289 | 2.83075 | 45.50925 | 33.86313 | -0.22901 | 49.69901 | 44.48064 | 10.3885 | 31.8215 |
| 1/15/2025 | 10:00:00 PM | 34.07542 | 52.7863 | 18.71088 | 28.66912 | 36.90499 | 2.82957 | 45.51043 | 33.86313 | -0.21229 | 49.68229 | 44.43064 | 10.35522 | 31.85478 |
| 1/15/2025 | 11:00:00 PM | 34.06204 | 52.76842 | 18.70638 | 28.67362 | 36.90141 | 2.83937 | 45.50063 | 33.85586 | -0.20618 | 49.67618 | 44.35921 | 10.29717 | 31.91283 |
| 1/16/2025 | 12:00:00 AM | 34.05201 | 52.75412 | 18.70211 | 28.67789 | 36.88709 | 2.83508 | 45.50492 | 33.84496 | -0.20705 | 49.67705 | 44.26636 | 10.21435 | 31.99565 |
| 1/16/2025 | 1:00:00 AM | 34.0587 | 52.76127 | 18.70257 | 28.67743 | 36.87993 | 2.82123 | 45.51877 | 33.83406 | -0.22464 | 49.69464 | 44.26279 | 10.20409 | 32.00591 |
| 1/16/2025 | 2:00:00 AM | 34.05536 | 52.75054 | 18.69518 | 28.68482 | 36.86562 | 2.81026 | 45.52974 | 33.82315 | -0.23221 | 49.70221 | 44.23779 | 10.18243 | 32.02757 |
| 1/16/2025 | 3:00:00 AM | 34.0587 | 52.76842 | 18.70972 | 28.67028 | 36.85846 | 2.79976 | 45.54024 | 33.82679 | -0.23191 | 49.70191 | 44.23779 | 10.17909 | 32.03091 |
| 1/16/2025 | 4:00:00 AM | 34.06204 | 52.77557 | 18.71353 | 28.66647 | 36.84772 | 2.78568 | 45.55432 | 33.82679 | -0.23525 | 49.70525 | 44.24136 | 10.17932 | 32.03068 |
| 1/16/2025 | 5:00:00 AM | 34.05536 | 52.76485 | 18.70949 | 28.67051 | 36.84772 | 2.79236 | 45.54764 | 33.81952 | -0.23584 | 49.70584 | 44.2235 | 10.16814 | 32.04186 |
| 1/16/2025 | 6:00:00 AM | 34.0587 | 52.76842 | 18.70972 | 28.67028 | 36.82982 | 2.77112 | 45.56888 | 33.81225 | -0.24645 | 49.71645 | 44.2235 | 10.1648 | 32.0452 |
| 1/16/2025 | 7:00:00 AM | 34.05536 | 52.75054 | 18.69518 | 28.68482 | 36.82982 | 2.77446 | 45.56554 | 33.81225 | -0.24311 | 49.71311 | 44.21636 | 10.161 | 32.049 |
| 1/16/2025 | 8:00:00 AM | 34.04867 | 52.76485 | 18.71618 | 28.66382 | 36.81908 | 2.77041 | 45.56959 | 33.80862 | -0.24005 | 49.71005 | 44.21279 | 10.16412 | 32.04588 |
| 1/16/2025 | 9:00:00 AM | 34.08211 | 52.80776 | 18.72565 | 28.65435 | 36.80476 | 2.72265 | 45.61735 | 33.80862 | -0.27349 | 49.74349 | 44.21636 | 10.13425 | 32.07575 |
| 1/16/2025 | 10:00:00 AM | 34.0888 | 52.82564 | 18.73684 | 28.64316 | 36.80118 | 2.71238 | 45.62762 | 33.81588 | -0.27292 | 49.74292 | 44.23065 | 10.14185 | 32.06815 |
| 1/16/2025 | 11:00:00 AM | 34.08211 | 52.80776 | 18.72565 | 28.65435 | 36.80118 | 2.71907 | 45.62093 | 33.82679 | -0.25532 | 49.72532 | 44.23422 | 10.15211 | 32.05789 |
| 1/16/2025 | 12:00:00 PM | 34.08211 | 52.78988 | 18.70777 | 28.67223 | 36.80118 | 2.71907 | 45.62093 | 33.81952 | -0.26259 | 49.73259 | 44.21636 | 10.13425 | 32.07575 |
| 1/16/2025 | 1:00:00 PM | 34.07542 | 52.77557 | 18.70015 | 28.67985 | 36.79045 | 2.71503 | 45.62497 | 33.80135 | -0.27407 | 49.74407 | 44.20922 | 10.1338 | 32.0762 |
| 1/16/2025 | 2:00:00 PM | 34.07876 | 52.77557 | 18.69681 | 28.68319 | 36.78687 | 2.70811 | 45.63189 | 33.79771 | -0.28105 | 49.75105 | 44.20565 | 10.12689 | 32.08311 |
| 1/16/2025 | 3:00:00 PM | 34.0888 | 52.78273 | 18.69393 | 28.68607 | 36.78329 | 2.69449 | 45.64551 | 33.80498 | -0.28382 | 49.75382 | 44.20922 | 10.12042 | 32.08958 |
| 1/16/2025 | 4:00:00 PM | 34.0888 | 52.78988 | 18.70108 | 28.67892 | 36.78329 | 2.69449 | 45.64551 | 33.79408 | -0.29472 | 49.76472 | 44.20565 | 10.11685 | 32.09315 |
| 1/16/2025 | 5:00:00 PM | 34.0888 | 52.80776 | 18.71896 | 28.66104 | 36.77971 | 2.69091 | 45.64909 | 33.79771 | -0.29109 | 49.76109 | 44.20565 | 10.11685 | 32.09315 |
| 1/16/2025 | 6:00:00 PM | 34.08211 | 52.80776 | 18.72565 | 28.65435 | 36.77971 | 2.6976 | 45.6424 | 33.80862 | -0.27349 | 49.74349 | 44.20922 | 10.12711 | 32.08289 |
| 1/16/2025 | 7:00:00 PM | 34.08211 | 52.81491 | 18.7328 | 28.6472 | 36.77255 | 2.69044 | 45.64956 | 33.81952 | -0.26259 | 49.73259 | 44.21636 | 10.13425 | 32.07575 |
| 1/16/2025 | 8:00:00 PM | 34.08545 | 52.83279 | 18.74734 | 28.63266 | 36.77613 | 2.69068 | 45.64932 | 33.82679 | -0.25866 | 49.72866 | 44.21993 | 10.13448 | 32.07552 |
| 1/16/2025 | 9:00:00 PM | 34.08545 | 52.85782 | 18.77237 | 28.60763 | 36.76539 | 2.67994 | 45.66006 | 33.83769 | -0.24776 | 49.71776 | 44.25207 | 10.16662 | 32.04338 |
| 1/16/2025 | 10:00:00 PM | 34.09883 | 52.87213 | 18.7733 | 28.6067 | 36.76897 | 2.67014 | 45.66986 | 33.84859 | -0.25024 | 49.72024 | 44.25922 | 10.16039 | 32.04961 |
| 1/16/2025 | 11:00:00 PM | 34.10552 | 52.87928 | 18.77376 | 28.60624 | 36.77255 | 2.66703 | 45.67297 | 33.85586 | -0.24966 | 49.71966 | 44.25922 | 10.1537 | 32.0563 |
| 1/17/2025 | 12:00:00 AM | 34.1122 | 52.90074 | 18.78854 | 28.59146 | 36.76897 | 2.65677 | 45.68323 | 33.8704 | -0.2418 | 49.7118 | 44.27707 | 10.16487 | 32.04513 |
| 1/17/2025 | 1:00:00 AM | 34.12224 | 52.92219 | 18.79995 | 28.58005 | 36.77255 | 2.65031 | 45.68969 | 33.8922 | -0.23004 | 49.70004 | 44.28064 | 10.1584 | 32.0516 |
| 1/17/2025 | 2:00:00 AM | 34.12892 | 52.93292 | 18.804 | 28.576 | 36.77255 | 2.64363 | 45.69637 | 33.90674 | -0.22218 | 49.69218 | 44.29136 | 10.16244 | 32.04756 |
| 1/17/2025 | 3:00:00 AM | 34.12558 | 52.94723 | 18.82165 | 28.55835 | 36.77613 | 2.65055 | 45.68945 | 33.91037 | -0.21521 | 49.68521 | 44.2985 | 10.17292 | 32.03708 |
| 1/17/2025 | 4:00:00 AM | 34.13227 | 52.95795 | 18.82568 | 28.55432 | 36.78329 | 2.65102 | 45.68898 | 33.92491 | -0.20736 | 49.67736 | 44.30922 | 10.17695 | 32.03305 |
| 1/17/2025 | 5:00:00 AM | 34.1423 | 52.97583 | 18.83353 | 28.54647 | 36.79045 | 2.64815 | 45.69185 | 33.93945 | -0.20285 | 49.67285 | 44.31993 | 10.17763 | 32.03237 |
| 1/17/2025 | 6:00:00 AM | 34.13896 | 52.97941 | 18.84045 | 28.53955 | 36.78687 | 2.64791 | 45.69209 | 33.93945 | -0.19951 | 49.66951 | 44.32707 | 10.18811 | 32.02189 |
| 1/17/2025 | 7:00:00 AM | 34.13896 | 52.99014 | 18.85118 | 28.52882 | 36.80118 | 2.66222 | 45.67778 | 33.95398 | -0.18498 | 49.65498 | 44.3485 | 10.20954 | 32.00046 |
| 1/17/2025 | 8:00:00 AM | 34.07542 | 52.8471 | 18.77168 | 28.60832 | 36.80476 | 2.72934 | 45.61066 | 33.96852 | -0.1069 | 49.5769 | 44.36993 | 10.29451 | 31.91549 |
| 1/17/2025 | 9:00:00 AM | 34.09214 | 52.87213 | 18.77999 | 28.60001 | 36.80476 | 2.71262 | 45.62738 | 33.98669 | -0.10545 | 49.57545 | 44.38421 | 10.29207 | 31.91793 |
| 1/17/2025 | 10:00:00 AM | 34.10217 | 52.89358 | 18.79141 | 28.58859 | 36.82266 | 2.72049 | 45.61951 | 34.00486 | -0.09731 | 49.56731 | 44.39136 | 10.28919 | 31.92081 |
| 1/17/2025 | 11:00:00 AM | 34.11889 | 52.91146 | 18.79257 | 28.58743 | 36.82624 | 2.70735 | 45.63265 | 34.01576 | -0.10313 | 49.57313 | 44.41278 | 10.29389 | 31.91611 |
| 1/17/2025 | 12:00:00 PM | 34.13227 | 52.91862 | 18.78635 | 28.59365 | 36.82982 | 2.69755 | 45.64245 | 34.03757 | -0.0947 | 49.5647 | 44.41635 | 10.28408 | 31.92592 |
| 1/17/2025 | 1:00:00 PM | 34.14564 | 52.90789 | 18.76225 | 28.61775 | 36.84414 | 2.6985 | 45.6415 | 34.0303 | -0.11534 | 49.58534 | 44.43064 | 10.285 | 31.925 |
| 1/17/2025 | 2:00:00 PM | 34.1423 | 52.89358 | 18.75128 | 28.62872 | 36.85488 | 2.71258 | 45.62742 | 34.03393 | -0.10837 | 49.57837 | 44.43064 | 10.28834 | 31.92166 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/17/2025 | 3:00:00 PM | 34.13561 | 52.89716 | 18.76155 | 28.61845 | 36.85488 | 2.71927 | 45.62073 | 34.03393 | -0.10168 | 49.57168 | 44.43064 | 10.29503 | 31.91497 |
| 1/17/2025 | 4:00:00 PM | 34.1423 | 52.91504 | 18.77274 | 28.60726 | 36.86562 | 2.72332 | 45.61668 | 34.03393 | -0.10837 | 49.57837 | 44.44493 | 10.30263 | 31.90737 |
| 1/17/2025 | 5:00:00 PM | 34.1423 | 52.92219 | 18.77989 | 28.60011 | 36.87636 | 2.73406 | 45.60594 | 34.04484 | -0.09746 | 49.56746 | 44.45207 | 10.30977 | 31.90023 |
| 1/17/2025 | 6:00:00 PM | 34.13227 | 52.9365 | 18.80423 | 28.57577 | 36.88351 | 2.75124 | 45.58876 | 34.04847 | -0.0838 | 49.5538 | 44.46635 | 10.33408 | 31.87592 |
| 1/17/2025 | 7:00:00 PM | 34.13896 | 52.95438 | 18.81542 | 28.56458 | 36.89067 | 2.75171 | 45.58829 | 34.06301 | -0.07595 | 49.54595 | 44.46992 | 10.33096 | 31.87904 |
| 1/17/2025 | 8:00:00 PM | 34.13896 | 52.97226 | 18.8333 | 28.5467 | 36.89425 | 2.75529 | 45.58471 | 34.07391 | -0.06505 | 49.53505 | 44.4735 | 10.33454 | 31.87546 |
| 1/17/2025 | 9:00:00 PM | 34.14899 | 52.99014 | 18.84115 | 28.53885 | 36.89783 | 2.74884 | 45.59116 | 34.08845 | -0.06054 | 49.53054 | 44.50921 | 10.36022 | 31.84978 |
| 1/17/2025 | 10:00:00 PM | 34.16571 | 53.01517 | 18.84946 | 28.53054 | 36.90499 | 2.73928 | 45.60072 | 34.11025 | -0.05546 | 49.52546 | 44.50564 | 10.33993 | 31.87007 |
| 1/17/2025 | 11:00:00 PM | 34.15902 | 53.01159 | 18.85257 | 28.52743 | 36.91573 | 2.75671 | 45.58329 | 34.11025 | -0.04877 | 49.51877 | 44.51278 | 10.35376 | 31.85624 |
| 1/18/2025 | 12:00:00 AM | 34.1724 | 53.01159 | 18.83919 | 28.54081 | 36.91573 | 2.74333 | 45.59667 | 34.12115 | -0.05125 | 49.52125 | 44.51278 | 10.34038 | 31.86962 |
| 1/18/2025 | 1:00:00 AM | 34.16571 | 53.01517 | 18.84946 | 28.53054 | 36.93005 | 2.76434 | 45.57566 | 34.12115 | -0.04456 | 49.51456 | 44.52349 | 10.35778 | 31.85222 |
| 1/18/2025 | 2:00:00 AM | 34.1724 | 53.01517 | 18.84277 | 28.53723 | 36.94079 | 2.76839 | 45.57161 | 34.12479 | -0.04761 | 49.51761 | 44.54135 | 10.36895 | 31.84105 |
| 1/18/2025 | 3:00:00 AM | 34.18243 | 53.02232 | 18.83989 | 28.54011 | 36.94437 | 2.76194 | 45.57806 | 34.13569 | -0.04674 | 49.51674 | 44.54135 | 10.35892 | 31.85108 |
| 1/18/2025 | 4:00:00 AM | 34.19246 | 53.04378 | 18.85132 | 28.52868 | 36.95153 | 2.75907 | 45.58093 | 34.14296 | -0.0495 | 49.5195 | 44.54135 | 10.34889 | 31.86111 |
| 1/18/2025 | 5:00:00 AM | 34.18577 | 53.01875 | 18.83298 | 28.54702 | 36.96226 | 2.77649 | 45.56351 | 34.13933 | -0.04644 | 49.51644 | 44.54135 | 10.35558 | 31.85442 |
| 1/18/2025 | 6:00:00 AM | 34.17908 | 53.01875 | 18.83967 | 28.54033 | 36.96942 | 2.79034 | 45.54966 | 34.13206 | -0.04702 | 49.51702 | 44.55206 | 10.37298 | 31.83702 |
| 1/18/2025 | 7:00:00 AM | 34.17908 | 53.02947 | 18.85039 | 28.52961 | 36.973 | 2.79392 | 45.54608 | 34.13569 | -0.04339 | 49.51339 | 44.55206 | 10.37298 | 31.83702 |
| 1/18/2025 | 8:00:00 AM | 34.18577 | 53.03663 | 18.85086 | 28.52914 | 36.973 | 2.78723 | 45.55277 | 34.14296 | -0.04281 | 49.51281 | 44.55206 | 10.36629 | 31.84371 |
| 1/18/2025 | 9:00:00 AM | 34.18577 | 53.04736 | 18.86159 | 28.51841 | 36.98732 | 2.80155 | 45.53845 | 34.14296 | -0.04281 | 49.51281 | 44.55564 | 10.36987 | 31.84013 |
| 1/18/2025 | 10:00:00 AM | 34.19915 | 53.05093 | 18.85178 | 28.52822 | 36.99448 | 2.79533 | 45.54467 | 34.1575 | -0.04165 | 49.51165 | 44.56278 | 10.36363 | 31.84637 |
| 1/18/2025 | 11:00:00 AM | 34.21587 | 53.04378 | 18.82791 | 28.55209 | 36.99806 | 2.78219 | 45.55781 | 34.15023 | -0.06564 | 49.53564 | 44.56635 | 10.35048 | 31.85952 |
| 1/18/2025 | 12:00:00 PM | 34.22256 | 53.01875 | 18.79619 | 28.58381 | 36.99806 | 2.7755 | 45.5645 | 34.12842 | -0.09414 | 49.56414 | 44.55206 | 10.3295 | 31.8805 |
| 1/18/2025 | 1:00:00 PM | 34.23928 | 53.00087 | 18.76159 | 28.61841 | 37.00164 | 2.76236 | 45.57764 | 34.12115 | -0.11813 | 49.58813 | 44.54492 | 10.30564 | 31.90436 |
| 1/18/2025 | 2:00:00 PM | 34.23593 | 52.97941 | 18.74348 | 28.63652 | 37.00522 | 2.76929 | 45.57071 | 34.09935 | -0.13658 | 49.60658 | 44.53421 | 10.29828 | 31.91172 |
| 1/18/2025 | 3:00:00 PM | 34.21252 | 52.96868 | 18.75616 | 28.62384 | 37.00164 | 2.78912 | 45.55088 | 34.09208 | -0.12044 | 49.59044 | 44.53064 | 10.31812 | 31.89188 |
| 1/18/2025 | 4:00:00 PM | 34.20249 | 52.97226 | 18.76977 | 28.61023 | 37.00522 | 2.80273 | 45.53727 | 34.09208 | -0.11041 | 49.58041 | 44.52349 | 10.321 | 31.889 |
| 1/18/2025 | 5:00:00 PM | 34.19246 | 52.96868 | 18.77622 | 28.60378 | 37.00522 | 2.81276 | 45.52724 | 34.08481 | -0.10765 | 49.57765 | 44.51635 | 10.32389 | 31.88611 |
| 1/18/2025 | 6:00:00 PM | 34.18912 | 52.97941 | 18.79029 | 28.58971 | 37.0088 | 2.81968 | 45.52032 | 34.08481 | -0.10431 | 49.57431 | 44.51278 | 10.32366 | 31.88634 |
| 1/18/2025 | 7:00:00 PM | 34.18577 | 52.98656 | 18.80079 | 28.57921 | 37.00522 | 2.81945 | 45.52055 | 34.08118 | -0.10459 | 49.57459 | 44.51278 | 10.32701 | 31.88299 |
| 1/18/2025 | 8:00:00 PM | 34.17908 | 52.96868 | 18.7896 | 28.5904 | 37.00164 | 2.82256 | 45.51744 | 34.07754 | -0.10154 | 49.57154 | 44.50207 | 10.32299 | 31.88701 |
| 1/18/2025 | 9:00:00 PM | 34.17574 | 52.97583 | 18.80009 | 28.57991 | 36.99806 | 2.82232 | 45.51768 | 34.07391 | -0.10183 | 49.57183 | 44.49135 | 10.31561 | 31.89439 |
| 1/18/2025 | 10:00:00 PM | 34.16905 | 52.9508 | 18.78175 | 28.59825 | 36.99806 | 2.82901 | 45.51099 | 34.05937 | -0.10968 | 49.57968 | 44.48064 | 10.31159 | 31.89841 |
| 1/18/2025 | 11:00:00 PM | 34.15902 | 52.95795 | 18.79893 | 28.58107 | 36.99806 | 2.83904 | 45.50096 | 34.05937 | -0.09965 | 49.56965 | 44.48064 | 10.32162 | 31.88838 |
| 1/19/2025 | 12:00:00 AM | 34.15902 | 52.9508 | 18.79178 | 28.58822 | 36.99448 | 2.83546 | 45.50454 | 34.05574 | -0.10328 | 49.57328 | 44.48778 | 10.32876 | 31.88124 |
| 1/19/2025 | 1:00:00 AM | 34.15233 | 52.9508 | 18.79847 | 28.58153 | 36.99448 | 2.84215 | 45.49785 | 34.04484 | -0.10749 | 49.57749 | 44.4735 | 10.32117 | 31.88883 |
| 1/19/2025 | 2:00:00 AM | 34.1423 | 52.95438 | 18.81208 | 28.56792 | 36.99448 | 2.85218 | 45.48782 | 34.05574 | -0.08656 | 49.55656 | 44.4735 | 10.3312 | 31.8788 |
| 1/19/2025 | 3:00:00 AM | 34.14564 | 52.96153 | 18.81589 | 28.56411 | 36.99448 | 2.84884 | 45.49116 | 34.05211 | -0.09353 | 49.56353 | 44.46635 | 10.32071 | 31.88929 |
| 1/19/2025 | 4:00:00 AM | 34.14899 | 52.96868 | 18.81969 | 28.56031 | 36.9909 | 2.84191 | 45.49809 | 34.05937 | -0.08962 | 49.55962 | 44.46635 | 10.31736 | 31.89264 |
| 1/19/2025 | 5:00:00 AM | 34.1423 | 52.96868 | 18.82638 | 28.55362 | 36.98374 | 2.84144 | 45.49856 | 34.05574 | -0.08656 | 49.55656 | 44.46635 | 10.32405 | 31.88595 |
| 1/19/2025 | 6:00:00 AM | 34.1423 | 52.97583 | 18.83353 | 28.54647 | 36.98732 | 2.84502 | 45.49498 | 34.05574 | -0.08656 | 49.55656 | 44.46635 | 10.32405 | 31.88595 |
| 1/19/2025 | 7:00:00 AM | 34.15233 | 52.99729 | 18.84496 | 28.53504 | 36.98374 | 2.83141 | 45.50859 | 34.06301 | -0.08932 | 49.55932 | 44.46635 | 10.31402 | 31.89598 |
| 1/19/2025 | 8:00:00 AM | 34.15902 | 53.02232 | 18.8633 | 28.5167 | 36.98732 | 2.8283 | 45.5117 | 34.07754 | -0.08148 | 49.55148 | 44.48421 | 10.32519 | 31.88481 |
| 1/19/2025 | 9:00:00 AM | 34.16236 | 53.03305 | 18.87069 | 28.50931 | 36.98732 | 2.82496 | 45.51504 | 34.08118 | -0.08118 | 49.55118 | 44.47707 | 10.31471 | 31.89529 |
| 1/19/2025 | 10:00:00 AM | 34.1724 | 53.04736 | 18.87496 | 28.50504 | 36.9909 | 2.8185 | 45.5215 | 34.09208 | -0.08032 | 49.55032 | 44.48778 | 10.31538 | 31.89462 |
| 1/19/2025 | 11:00:00 AM | 34.19915 | 53.07596 | 18.87681 | 28.50319 | 36.98732 | 2.78817 | 45.55183 | 34.11389 | -0.08526 | 49.55526 | 44.50564 | 10.30649 | 31.90351 |
| 1/19/2025 | 12:00:00 PM | 34.22924 | 53.07596 | 18.84672 | 28.53328 | 36.99448 | 2.76524 | 45.57476 | 34.10298 | -0.12626 | 49.59626 | 44.50207 | 10.27283 | 31.93717 |
| 1/19/2025 | 1:00:00 PM | 34.24931 | 53.07954 | 18.83023 | 28.54977 | 36.99448 | 2.74517 | 45.59483 | 34.11389 | -0.13542 | 49.60542 | 44.50564 | 10.25633 | 31.95367 |
| 1/19/2025 | 2:00:00 PM | 34.26269 | 53.07239 | 18.8097 | 28.5703 | 37.00522 | 2.74253 | 45.59747 | 34.10298 | -0.15971 | 49.62971 | 44.50207 | 10.23938 | 31.97062 |
| 1/19/2025 | 3:00:00 PM | 34.24262 | 53.06524 | 18.82262 | 28.55738 | 37.00164 | 2.75902 | 45.58098 | 34.11025 | -0.13237 | 49.60237 | 44.51278 | 10.27016 | 31.93984 |
| 1/19/2025 | 4:00:00 PM | 34.23593 | 53.07596 | 18.84003 | 28.53997 | 37.00522 | 2.76929 | 45.57071 | 34.10298 | -0.13295 | 49.60295 | 44.50921 | 10.27328 | 31.93672 |
| 1/19/2025 | 5:00:00 PM | 34.22256 | 53.07596 | 18.8534 | 28.5266 | 37.00522 | 2.78266 | 45.55734 | 34.10298 | -0.11958 | 49.58958 | 44.50564 | 10.28308 | 31.92692 |
| 1/19/2025 | 6:00:00 PM | 34.20249 | 53.04378 | 18.84129 | 28.53871 | 37.0088 | 2.80631 | 45.53369 | 34.10298 | -0.09951 | 49.56951 | 44.51278 | 10.31029 | 31.89971 |
| 1/19/2025 | 7:00:00 PM | 34.19915 | 53.05451 | 18.85536 | 28.52464 | 37.0088 | 2.80965 | 45.53035 | 34.11389 | -0.08526 | 49.55526 | 44.51635 | 10.3172 | 31.8928 |
| 1/19/2025 | 8:00:00 PM | 34.20249 | 53.07954 | 18.87705 | 28.50295 | 37.01238 | 2.80989 | 45.53011 | 34.12479 | -0.0777 | 49.5477 | 44.52707 | 10.32458 | 31.88542 |
| 1/19/2025 | 9:00:00 PM | 34.20918 | 53.10457 | 18.89539 | 28.48461 | 37.01596 | 2.80678 | 45.53322 | 34.15023 | -0.05895 | 49.52895 | 44.55206 | 10.34288 | 31.86712 |
| 1/19/2025 | 10:00:00 PM | 34.21587 | 53.11888 | 18.90301 | 28.47699 | 37.01238 | 2.79651 | 45.54349 | 34.15386 | -0.06201 | 49.53201 | 44.54849 | 10.33262 | 31.87738 |
| 1/19/2025 | 11:00:00 PM | 34.2259 | 53.14391 | 18.91801 | 28.46199 | 37.03385 | 2.80795 | 45.53205 | 34.17203 | -0.05387 | 49.52387 | 44.56992 | 10.34402 | 31.86598 |
| 1/20/2025 | 12:00:00 AM | 34.22924 | 53.15106 | 18.92182 | 28.45818 | 37.0267 | 2.79746 | 45.54254 | 34.1793 | -0.04994 | 49.51994 | 44.56992 | 10.34068 | 31.86932 |
| 1/20/2025 | 1:00:00 AM | 34.22924 | 53.15821 | 18.92897 | 28.45103 | 37.03385 | 2.80461 | 45.53539 | 34.18294 | -0.0463 | 49.5163 | 44.57706 | 10.34782 | 31.86218 |
| 1/20/2025 | 2:00:00 AM | 34.23259 | 53.15821 | 18.92562 | 28.45438 | 37.03743 | 2.80484 | 45.53516 | 34.18657 | -0.04602 | 49.51602 | 44.58063 | 10.34804 | 31.86196 |
| 1/20/2025 | 3:00:00 AM | 34.23259 | 53.15821 | 18.92562 | 28.45438 | 37.04817 | 2.81558 | 45.52442 | 34.1902 | -0.04239 | 49.51239 | 44.58421 | 10.35162 | 31.85838 |
| 1/20/2025 | 4:00:00 AM | 34.23593 | 53.15821 | 18.92228 | 28.45772 | 37.05533 | 2.8194 | 45.5206 | 34.19384 | -0.04209 | 49.51209 | 44.59135 | 10.35542 | 31.85458 |
| 1/20/2025 | 5:00:00 AM | 34.23593 | 53.17252 | 18.93659 | 28.44341 | 37.05533 | 2.8194 | 45.5206 | 34.19747 | -0.03846 | 49.50846 | 44.59492 | 10.35899 | 31.85101 |
| 1/20/2025 | 6:00:00 AM | 34.24931 | 53.17609 | 18.92678 | 28.45322 | 37.05891 | 2.8096 | 45.5304 | 34.19384 | -0.05547 | 49.52547 | 44.59849 | 10.34918 | 31.86082 |
| 1/20/2025 | 7:00:00 AM | 34.24596 | 53.16537 | 18.91941 | 28.46059 | 37.06607 | 2.82011 | 45.51989 | 34.19384 | -0.05212 | 49.52212 | 44.59849 | 10.35253 | 31.85747 |
| 1/20/2025 | 8:00:00 AM | 34.24931 | 53.17252 | 18.92321 | 28.45679 | 37.07323 | 2.82392 | 45.51608 | 34.19384 | -0.05547 | 49.52547 | 44.59492 | 10.34561 | 31.86439 |
| 1/20/2025 | 9:00:00 AM | 34.24262 | 53.16537 | 18.92275 | 28.45725 | 37.07681 | 2.83419 | 45.50581 | 34.18657 | -0.05605 | 49.52605 | 44.59492 | 10.3523 | 31.8577 |
| 1/20/2025 | 10:00:00 AM | 34.21921 | 53.10815 | 18.88894 | 28.49106 | 37.08039 | 2.86118 | 45.47882 | 34.1902 | -0.02901 | 49.49901 | 44.59849 | 10.37928 | 31.83072 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/20/2025 | 11:00:00 AM | 34.22924 | 53.10815 | 18.87891 | 28.50109 | 37.08397 | 2.85473 | 45.48527 | 34.18657 | -0.04267 | 49.51267 | 44.59492 | 10.36568 | 31.84432 |
| 1/20/2025 | 12:00:00 PM | 34.24931 | 53.08669 | 18.83738 | 28.54262 | 37.08039 | 2.83108 | 45.50892 | 34.17567 | -0.07364 | 49.54364 | 44.58421 | 10.3349 | 31.8751 |
| 1/20/2025 | 1:00:00 PM | 34.256 | 53.06166 | 18.80566 | 28.57434 | 37.08755 | 2.83155 | 45.50845 | 34.15023 | -0.10577 | 49.57577 | 44.57706 | 10.32106 | 31.88894 |
| 1/20/2025 | 2:00:00 PM | 34.24931 | 53.05451 | 18.8052 | 28.5748 | 37.08039 | 2.83108 | 45.50892 | 34.13933 | -0.10998 | 49.57998 | 44.56992 | 10.32061 | 31.88939 |
| 1/20/2025 | 3:00:00 PM | 34.22924 | 53.02232 | 18.79308 | 28.58692 | 37.08039 | 2.85115 | 45.48885 | 34.12842 | -0.10082 | 49.57082 | 44.54492 | 10.31568 | 31.89432 |
| 1/20/2025 | 4:00:00 PM | 34.2259 | 53.01875 | 18.79285 | 28.58715 | 37.07681 | 2.85091 | 45.48909 | 34.11389 | -0.11201 | 49.58201 | 44.53778 | 10.31188 | 31.89812 |
| 1/20/2025 | 5:00:00 PM | 34.21921 | 53.01159 | 18.79238 | 28.58762 | 37.08039 | 2.86118 | 45.47882 | 34.09935 | -0.11986 | 49.58986 | 44.52707 | 10.30786 | 31.90214 |
| 1/20/2025 | 6:00:00 PM | 34.20249 | 53.00087 | 18.79838 | 28.58162 | 37.07323 | 2.87074 | 45.46926 | 34.08845 | -0.11404 | 49.58404 | 44.51278 | 10.31029 | 31.89971 |
| 1/20/2025 | 7:00:00 PM | 34.19915 | 52.99014 | 18.79099 | 28.58901 | 37.06607 | 2.86692 | 45.47308 | 34.07391 | -0.12524 | 49.59524 | 44.49492 | 10.29577 | 31.91423 |
| 1/20/2025 | 8:00:00 PM | 34.18243 | 52.96868 | 18.78625 | 28.59375 | 37.06249 | 2.88006 | 45.45994 | 34.06664 | -0.11579 | 49.58579 | 44.48064 | 10.29821 | 31.91179 |
| 1/20/2025 | 9:00:00 PM | 34.16905 | 52.94723 | 18.77818 | 28.60182 | 37.05891 | 2.88986 | 45.45014 | 34.04847 | -0.12058 | 49.59058 | 44.4485 | 10.27945 | 31.93055 |
| 1/20/2025 | 10:00:00 PM | 34.16905 | 52.95438 | 18.78533 | 28.59467 | 37.04817 | 2.87912 | 45.46088 | 34.03757 | -0.13148 | 49.60148 | 44.44135 | 10.2723 | 31.9377 |
| 1/20/2025 | 11:00:00 PM | 34.16905 | 52.96153 | 18.79248 | 28.58752 | 37.03743 | 2.86838 | 45.47162 | 34.03393 | -0.13512 | 49.60512 | 44.44493 | 10.27588 | 31.93412 |
| 1/21/2025 | 12:00:00 AM | 34.1724 | 52.96868 | 18.79628 | 28.58372 | 37.03385 | 2.86145 | 45.47855 | 34.0303 | -0.1421 | 49.6121 | 44.44493 | 10.27253 | 31.93747 |
| 1/21/2025 | 1:00:00 AM | 34.16236 | 52.95438 | 18.79202 | 28.58798 | 37.0267 | 2.86434 | 45.47566 | 34.02303 | -0.13933 | 49.60933 | 44.43421 | 10.27185 | 31.93815 |
| 1/21/2025 | 2:00:00 AM | 34.17574 | 52.97583 | 18.80009 | 28.57991 | 37.01954 | 2.8438 | 45.4962 | 34.0303 | -0.14544 | 49.61544 | 44.43778 | 10.26204 | 31.94796 |
| 1/21/2025 | 3:00:00 AM | 34.1724 | 52.99371 | 18.82131 | 28.55869 | 37.01238 | 2.83998 | 45.50002 | 34.0412 | -0.1312 | 49.6012 | 44.43778 | 10.26538 | 31.94462 |
| 1/21/2025 | 4:00:00 AM | 34.1724 | 53.00444 | 18.83204 | 28.54796 | 37.01596 | 2.84356 | 45.49644 | 34.0412 | -0.1312 | 49.6012 | 44.44135 | 10.26895 | 31.94105 |
| 1/21/2025 | 5:00:00 AM | 34.17574 | 53.01517 | 18.83943 | 28.54057 | 37.0088 | 2.83306 | 45.50694 | 34.05211 | -0.12363 | 49.59363 | 44.44493 | 10.26919 | 31.94081 |
| 1/21/2025 | 6:00:00 AM | 34.17908 | 53.01159 | 18.83251 | 28.54749 | 37.0088 | 2.82972 | 45.51028 | 34.05574 | -0.12334 | 49.59334 | 44.4485 | 10.26942 | 31.94058 |
| 1/21/2025 | 7:00:00 AM | 34.19246 | 53.04378 | 18.85132 | 28.52868 | 37.00164 | 2.80918 | 45.53082 | 34.07391 | -0.11855 | 49.58855 | 44.45207 | 10.25961 | 31.95039 |
| 1/21/2025 | 8:00:00 AM | 34.19915 | 53.07239 | 18.87324 | 28.50676 | 37.0088 | 2.80965 | 45.53035 | 34.08481 | -0.11434 | 49.58434 | 44.46635 | 10.2672 | 31.9428 |
| 1/21/2025 | 9:00:00 AM | 34.21252 | 53.08669 | 18.87417 | 28.50583 | 37.00164 | 2.78912 | 45.55088 | 34.09935 | -0.11317 | 49.58317 | 44.48421 | 10.27169 | 31.93831 |
| 1/21/2025 | 10:00:00 AM | 34.22924 | 53.1296 | 18.90036 | 28.47964 | 37.01238 | 2.78314 | 45.55686 | 34.12842 | -0.10082 | 49.57082 | 44.49849 | 10.26925 | 31.94075 |
| 1/21/2025 | 11:00:00 AM | 34.24931 | 53.16894 | 18.91963 | 28.46037 | 37.01596 | 2.76665 | 45.57335 | 34.1575 | -0.09181 | 49.56181 | 44.51992 | 10.27061 | 31.93939 |
| 1/21/2025 | 12:00:00 PM | 34.26937 | 53.18325 | 18.91388 | 28.46612 | 37.0267 | 2.75733 | 45.58267 | 34.1793 | -0.09007 | 49.56007 | 44.55206 | 10.28269 | 31.92731 |
| 1/21/2025 | 1:00:00 PM | 34.27941 | 53.17252 | 18.89311 | 28.48689 | 37.03027 | 2.75086 | 45.58914 | 34.18294 | -0.09647 | 49.56647 | 44.54492 | 10.26551 | 31.94449 |
| 1/21/2025 | 2:00:00 PM | 34.28944 | 53.16894 | 18.8795 | 28.5005 | 37.03385 | 2.74441 | 45.59559 | 34.19384 | -0.0956 | 49.5656 | 44.59492 | 10.30548 | 31.90452 |
| 1/21/2025 | 3:00:00 PM | 34.29947 | 53.18682 | 18.88735 | 28.49265 | 37.04459 | 2.74512 | 45.59488 | 34.19747 | -0.102 | 49.572 | 44.57349 | 10.27402 | 31.93598 |
| 1/21/2025 | 4:00:00 PM | 34.28609 | 53.18325 | 18.89716 | 28.48284 | 37.05175 | 2.76566 | 45.57434 | 34.19384 | -0.09225 | 49.56225 | 44.58778 | 10.30169 | 31.90831 |
| 1/21/2025 | 5:00:00 PM | 34.29278 | 53.21185 | 18.91907 | 28.46093 | 37.05175 | 2.75897 | 45.58103 | 34.21201 | -0.08077 | 49.55077 | 44.59492 | 10.30214 | 31.90786 |
| 1/21/2025 | 6:00:00 PM | 34.29613 | 53.24046 | 18.94433 | 28.43567 | 37.06607 | 2.76994 | 45.57006 | 34.22291 | -0.07322 | 49.54322 | 44.60921 | 10.31308 | 31.89692 |
| 1/21/2025 | 7:00:00 PM | 34.29947 | 53.24404 | 18.94457 | 28.43543 | 37.07323 | 2.77376 | 45.56624 | 34.23381 | -0.06566 | 49.53566 | 44.61635 | 10.31688 | 31.89312 |
| 1/21/2025 | 8:00:00 PM | 34.29947 | 53.26192 | 18.96245 | 28.41755 | 37.08397 | 2.7845 | 45.5555 | 34.24835 | -0.05112 | 49.52112 | 44.63778 | 10.33831 | 31.87169 |
| 1/21/2025 | 9:00:00 PM | 34.31285 | 53.27622 | 18.96337 | 28.41663 | 37.09113 | 2.77828 | 45.56172 | 34.25925 | -0.0536 | 49.5236 | 44.65206 | 10.33921 | 31.87079 |
| 1/21/2025 | 10:00:00 PM | 34.32622 | 53.28695 | 18.96073 | 28.41927 | 37.09471 | 2.76849 | 45.57151 | 34.27016 | -0.05606 | 49.52606 | 44.64849 | 10.32227 | 31.88773 |
| 1/21/2025 | 11:00:00 PM | 34.33291 | 53.30483 | 18.97192 | 28.40808 | 37.10545 | 2.77254 | 45.56746 | 34.28106 | -0.05185 | 49.52185 | 44.66277 | 10.32986 | 31.88014 |
| 1/22/2025 | 12:00:00 AM | 34.35297 | 53.31914 | 18.96617 | 28.41383 | 37.10902 | 2.75605 | 45.58395 | 34.29559 | -0.05738 | 49.52738 | 44.67349 | 10.32052 | 31.88948 |
| 1/22/2025 | 1:00:00 AM | 34.36301 | 53.33702 | 18.97401 | 28.40599 | 37.12334 | 2.76033 | 45.57967 | 34.29923 | -0.06378 | 49.53378 | 44.6842 | 10.32119 | 31.88881 |
| 1/22/2025 | 2:00:00 AM | 34.36969 | 53.32629 | 18.9566 | 28.4234 | 37.13408 | 2.76439 | 45.57561 | 34.31013 | -0.05956 | 49.52956 | 44.69135 | 10.32166 | 31.88834 |
| 1/22/2025 | 3:00:00 AM | 34.37304 | 53.32986 | 18.95682 | 28.42318 | 37.14482 | 2.77178 | 45.56822 | 34.3174 | -0.05564 | 49.52564 | 44.69849 | 10.32545 | 31.88455 |
| 1/22/2025 | 4:00:00 AM | 34.37973 | 53.34059 | 18.96086 | 28.41914 | 37.15556 | 2.77583 | 45.56417 | 34.32467 | -0.05506 | 49.52506 | 44.71277 | 10.33304 | 31.87696 |
| 1/22/2025 | 5:00:00 AM | 34.37973 | 53.31198 | 18.93225 | 28.44775 | 37.15556 | 2.77583 | 45.56417 | 34.32467 | -0.05506 | 49.52506 | 44.71277 | 10.33304 | 31.87696 |
| 1/22/2025 | 6:00:00 AM | 34.37638 | 53.30126 | 18.92488 | 28.45512 | 37.1663 | 2.78992 | 45.55008 | 34.3283 | -0.04808 | 49.51808 | 44.71634 | 10.33996 | 31.87004 |
| 1/22/2025 | 7:00:00 AM | 34.38976 | 53.32629 | 18.93653 | 28.44347 | 37.15914 | 2.76938 | 45.57062 | 34.3283 | -0.06146 | 49.53146 | 44.72706 | 10.3373 | 31.8727 |
| 1/22/2025 | 8:00:00 AM | 34.39979 | 53.33344 | 18.93365 | 28.44635 | 37.1663 | 2.76651 | 45.57349 | 34.33557 | -0.06422 | 49.53422 | 44.7342 | 10.33441 | 31.87559 |
| 1/22/2025 | 9:00:00 AM | 34.40313 | 53.34774 | 18.94461 | 28.43539 | 37.15914 | 2.75601 | 45.58399 | 34.34284 | -0.06029 | 49.53029 | 44.74134 | 10.33821 | 31.87179 |
| 1/22/2025 | 10:00:00 AM | 34.41651 | 53.34417 | 18.92766 | 28.45234 | 37.14482 | 2.72831 | 45.61169 | 34.35374 | -0.06277 | 49.53277 | 44.74849 | 10.33198 | 31.87802 |
| 1/22/2025 | 11:00:00 AM | 34.42989 | 53.34059 | 18.9107 | 28.4693 | 37.14124 | 2.71135 | 45.62865 | 34.35374 | -0.07615 | 49.54615 | 44.75206 | 10.32217 | 31.88783 |
| 1/22/2025 | 12:00:00 PM | 34.44661 | 53.32629 | 18.87968 | 28.50032 | 37.14482 | 2.69821 | 45.64179 | 34.35737 | -0.08924 | 49.55924 | 44.74849 | 10.30188 | 31.90812 |
| 1/22/2025 | 1:00:00 PM | 34.45664 | 53.31198 | 18.85534 | 28.52466 | 37.12692 | 2.67028 | 45.66972 | 34.34284 | -0.1138 | 49.5838 | 44.74134 | 10.2847 | 31.9253 |
| 1/22/2025 | 2:00:00 PM | 34.45664 | 53.28695 | 18.83031 | 28.54969 | 37.13408 | 2.67744 | 45.66256 | 34.33557 | -0.12107 | 49.59107 | 44.74134 | 10.2847 | 31.9253 |
| 1/22/2025 | 3:00:00 PM | 34.44995 | 53.29053 | 18.84058 | 28.53942 | 37.13408 | 2.68413 | 45.65587 | 34.3283 | -0.12165 | 49.59165 | 44.73063 | 10.28068 | 31.92932 |
| 1/22/2025 | 4:00:00 PM | 34.43992 | 53.28695 | 18.84703 | 28.53297 | 37.14124 | 2.70132 | 45.63868 | 34.32467 | -0.11525 | 49.58525 | 44.71992 | 10.28 | 31.93 |
| 1/22/2025 | 5:00:00 PM | 34.43657 | 53.28695 | 18.85038 | 28.52962 | 37.13766 | 2.70109 | 45.63891 | 34.3174 | -0.11917 | 49.58917 | 44.71634 | 10.27977 | 31.93023 |
| 1/22/2025 | 6:00:00 PM | 34.4232 | 53.28338 | 18.86018 | 28.51982 | 37.13766 | 2.71446 | 45.62554 | 34.31376 | -0.10944 | 49.57944 | 44.7092 | 10.286 | 31.924 |
| 1/22/2025 | 7:00:00 PM | 34.42654 | 53.27622 | 18.84968 | 28.53032 | 37.14124 | 2.7147 | 45.6253 | 34.31013 | -0.11641 | 49.58641 | 44.7092 | 10.28266 | 31.92734 |
| 1/22/2025 | 8:00:00 PM | 34.41985 | 53.28338 | 18.86353 | 28.51647 | 37.1484 | 2.72855 | 45.61145 | 34.3065 | -0.11335 | 49.58335 | 44.71634 | 10.29649 | 31.91351 |
| 1/22/2025 | 9:00:00 PM | 34.41651 | 53.28695 | 18.87044 | 28.50956 | 37.14482 | 2.72831 | 45.61169 | 34.3065 | -0.11001 | 49.58001 | 44.70563 | 10.28912 | 31.92088 |
| 1/22/2025 | 10:00:00 PM | 34.41317 | 53.2798 | 18.86663 | 28.51337 | 37.1484 | 2.73523 | 45.60477 | 34.29559 | -0.11758 | 49.58758 | 44.69849 | 10.28532 | 31.92468 |
| 1/22/2025 | 11:00:00 PM | 34.40648 | 53.28338 | 18.8769 | 28.5031 | 37.1484 | 2.74192 | 45.59808 | 34.29559 | -0.11089 | 49.58089 | 44.69492 | 10.28844 | 31.92156 |
| 1/23/2025 | 12:00:00 AM | 34.40648 | 53.28695 | 18.88047 | 28.49953 | 37.14482 | 2.73834 | 45.60166 | 34.28833 | -0.11815 | 49.58815 | 44.69135 | 10.28487 | 31.92513 |
| 1/23/2025 | 1:00:00 AM | 34.37638 | 53.22616 | 18.84978 | 28.53022 | 37.14124 | 2.76486 | 45.57514 | 34.29196 | -0.08442 | 49.55442 | 44.68777 | 10.31139 | 31.89861 |
| 1/23/2025 | 2:00:00 AM | 34.35966 | 53.19397 | 18.83431 | 28.54569 | 37.14482 | 2.78516 | 45.55484 | 34.27379 | -0.08587 | 49.55587 | 44.67349 | 10.31383 | 31.89617 |
| 1/23/2025 | 3:00:00 AM | 34.34629 | 53.18682 | 18.84053 | 28.53947 | 37.14482 | 2.79853 | 45.54147 | 34.26652 | -0.07977 | 49.54977 | 44.66635 | 10.32006 | 31.88994 |
| 1/23/2025 | 4:00:00 AM | 34.34294 | 53.16894 | 18.826 | 28.554 | 37.13408 | 2.79114 | 45.54886 | 34.24835 | -0.09459 | 49.56459 | 44.65563 | 10.31269 | 31.89731 |
| 1/23/2025 | 5:00:00 AM | 34.33625 | 53.16894 | 18.83269 | 28.54731 | 37.13408 | 2.79783 | 45.54217 | 34.24108 | -0.09517 | 49.56517 | 44.64492 | 10.30867 | 31.90133 |
| 1/23/2025 | 6:00:00 AM | 34.32288 | 53.14391 | 18.82103 | 28.55897 | 37.1305 | 2.80762 | 45.53238 | 34.22655 | -0.09633 | 49.56633 | 44.62349 | 10.30061 | 31.90939 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/23/2025 | 7:00:00 AM | 34.32622 | 53.14748 | 18.82126 | 28.55874 | 37.12334 | 2.79712 | 45.54288 | 34.22291 | -0.10331 | 49.57331 | 44.61635 | 10.29013 | 31.91987 |
| 1/23/2025 | 8:00:00 AM | 34.32288 | 53.15821 | 18.83533 | 28.54467 | 37.11618 | 2.7933 | 45.5467 | 34.22291 | -0.09997 | 49.56997 | 44.61992 | 10.29704 | 31.91296 |
| 1/23/2025 | 9:00:00 AM | 34.31619 | 53.13676 | 18.82057 | 28.55943 | 37.11618 | 2.79999 | 45.54001 | 34.20111 | -0.11508 | 49.58508 | 44.59849 | 10.2823 | 31.9277 |
| 1/23/2025 | 10:00:00 AM | 34.32622 | 53.12603 | 18.79981 | 28.58019 | 37.1126 | 2.78638 | 45.55362 | 34.19384 | -0.13238 | 49.60238 | 44.59135 | 10.26513 | 31.94487 |
| 1/23/2025 | 11:00:00 AM | 34.32622 | 53.12603 | 18.79981 | 28.58019 | 37.1126 | 2.78638 | 45.55362 | 34.17567 | -0.15055 | 49.62055 | 44.58063 | 10.25441 | 31.95559 |
| 1/23/2025 | 12:00:00 PM | 34.33625 | 53.101 | 18.76475 | 28.61525 | 37.10187 | 2.76562 | 45.57438 | 34.1684 | -0.16785 | 49.63785 | 44.56635 | 10.2301 | 31.9799 |
| 1/23/2025 | 1:00:00 PM | 34.31953 | 53.06881 | 18.74928 | 28.63072 | 37.09471 | 2.77518 | 45.56482 | 34.15023 | -0.1693 | 49.6393 | 44.55206 | 10.23253 | 31.97747 |
| 1/23/2025 | 2:00:00 PM | 34.31619 | 53.03305 | 18.71686 | 28.66314 | 37.08755 | 2.77136 | 45.56864 | 34.12115 | -0.19504 | 49.66504 | 44.53421 | 10.21802 | 31.99198 |
| 1/23/2025 | 3:00:00 PM | 34.31619 | 53.01875 | 18.70256 | 28.67744 | 37.06607 | 2.74988 | 45.59012 | 34.10662 | -0.20957 | 49.67957 | 44.51635 | 10.20016 | 32.00984 |
| 1/23/2025 | 4:00:00 PM | 34.3095 | 53.01875 | 18.70925 | 28.67075 | 37.05891 | 2.74941 | 45.59059 | 34.09208 | -0.21742 | 49.68742 | 44.48421 | 10.17471 | 32.03529 |
| 1/23/2025 | 5:00:00 PM | 34.30281 | 53.00802 | 18.70521 | 28.67479 | 37.04817 | 2.74536 | 45.59464 | 34.07754 | -0.22527 | 49.69527 | 44.4235 | 10.12069 | 32.08931 |
| 1/23/2025 | 6:00:00 PM | 34.29613 | 52.99729 | 18.70116 | 28.67884 | 37.05175 | 2.75562 | 45.58438 | 34.06301 | -0.23312 | 49.70312 | 44.46992 | 10.17379 | 32.03621 |
| 1/23/2025 | 7:00:00 PM | 34.29613 | 52.99729 | 18.70116 | 28.67884 | 37.03027 | 2.73414 | 45.60586 | 34.05937 | -0.23676 | 49.70676 | 44.45921 | 10.16308 | 32.04692 |
| 1/23/2025 | 8:00:00 PM | 34.29278 | 53.00444 | 18.71166 | 28.66834 | 37.01596 | 2.72318 | 45.61682 | 34.05937 | -0.23341 | 49.70341 | 44.45207 | 10.15929 | 32.05071 |
| 1/23/2025 | 9:00:00 PM | 34.28944 | 53.00444 | 18.715 | 28.665 | 37.01954 | 2.7301 | 45.6099 | 34.04847 | -0.24097 | 49.71097 | 44.43778 | 10.14834 | 32.06166 |
| 1/23/2025 | 10:00:00 PM | 34.28944 | 52.99729 | 18.70785 | 28.67215 | 37.00522 | 2.71578 | 45.62422 | 34.04847 | -0.24097 | 49.71097 | 44.44135 | 10.15191 | 32.05809 |
| 1/23/2025 | 11:00:00 PM | 34.29278 | 53.00087 | 18.70809 | 28.67191 | 36.99448 | 2.7017 | 45.6383 | 34.05211 | -0.24067 | 49.71067 | 44.42707 | 10.13429 | 32.07571 |
| 1/24/2025 | 12:00:00 AM | 34.29947 | 53.01517 | 18.7157 | 28.6643 | 36.98732 | 2.68785 | 45.65215 | 34.04847 | -0.251 | 49.721 | 44.43064 | 10.13117 | 32.07883 |
| 1/24/2025 | 1:00:00 AM | 34.28944 | 53.01159 | 18.72215 | 28.65785 | 36.98016 | 2.69072 | 45.64928 | 34.05211 | -0.23733 | 49.70733 | 44.43064 | 10.1412 | 32.0688 |
| 1/24/2025 | 2:00:00 AM | 34.28944 | 53.00802 | 18.71858 | 28.66142 | 36.97658 | 2.68714 | 45.65286 | 34.03757 | -0.25187 | 49.72187 | 44.41635 | 10.12691 | 32.08309 |
| 1/24/2025 | 3:00:00 AM | 34.29947 | 53.02947 | 18.73 | 28.65 | 36.96942 | 2.66995 | 45.67005 | 34.04847 | -0.251 | 49.721 | 44.43064 | 10.13117 | 32.07883 |
| 1/24/2025 | 4:00:00 AM | 34.28609 | 53.0259 | 18.73981 | 28.64019 | 36.96942 | 2.68333 | 45.65667 | 34.04847 | -0.23762 | 49.70762 | 44.41993 | 10.13384 | 32.07616 |
| 1/24/2025 | 5:00:00 AM | 34.27606 | 53.01517 | 18.73911 | 28.64089 | 36.96226 | 2.6862 | 45.6538 | 34.03757 | -0.23849 | 49.70849 | 44.41635 | 10.14029 | 32.06971 |
| 1/24/2025 | 6:00:00 AM | 34.26603 | 53.00802 | 18.74199 | 28.63801 | 36.96226 | 2.69623 | 45.64377 | 34.0303 | -0.23573 | 49.70573 | 44.41278 | 10.14675 | 32.06325 |
| 1/24/2025 | 7:00:00 AM | 34.26269 | 53.00444 | 18.74175 | 28.63825 | 36.9551 | 2.69241 | 45.64759 | 34.03393 | -0.22876 | 49.69876 | 44.40921 | 10.14652 | 32.06348 |
| 1/24/2025 | 8:00:00 AM | 34.27272 | 53.02232 | 18.7496 | 28.6304 | 36.95153 | 2.67881 | 45.66119 | 34.0412 | -0.23152 | 49.70152 | 44.41635 | 10.14363 | 32.06637 |
| 1/24/2025 | 9:00:00 AM | 34.27606 | 53.03663 | 18.76057 | 28.61943 | 36.95153 | 2.67547 | 45.66453 | 34.05211 | -0.22395 | 49.69395 | 44.41635 | 10.14029 | 32.06971 |
| 1/24/2025 | 10:00:00 AM | 34.28609 | 53.04378 | 18.75769 | 28.62231 | 36.94795 | 2.66186 | 45.67814 | 34.06664 | -0.21945 | 49.68945 | 44.43064 | 10.14455 | 32.06545 |
| 1/24/2025 | 11:00:00 AM | 34.30616 | 53.06166 | 18.7555 | 28.6245 | 36.94437 | 2.63821 | 45.70179 | 34.07028 | -0.23588 | 49.70588 | 44.43778 | 10.13162 | 32.07838 |
| 1/24/2025 | 12:00:00 PM | 34.32288 | 53.03305 | 18.71017 | 28.66983 | 36.94079 | 2.61791 | 45.72209 | 34.05937 | -0.26351 | 49.73351 | 44.41993 | 10.09705 | 32.11295 |
| 1/24/2025 | 1:00:00 PM | 34.34963 | 53.02232 | 18.67269 | 28.70731 | 36.93721 | 2.58758 | 45.75242 | 34.05211 | -0.29752 | 49.76752 | 44.41993 | 10.0703 | 32.1397 |
| 1/24/2025 | 2:00:00 PM | 34.34629 | 53.00087 | 18.65458 | 28.72542 | 36.93721 | 2.59092 | 45.74908 | 34.0412 | -0.30509 | 49.77509 | 44.41278 | 10.06649 | 32.14351 |
| 1/24/2025 | 3:00:00 PM | 34.33625 | 52.99729 | 18.66104 | 28.71896 | 36.93005 | 2.5938 | 45.7462 | 34.02303 | -0.31322 | 49.78322 | 44.40921 | 10.07296 | 32.13704 |
| 1/24/2025 | 4:00:00 PM | 34.31285 | 52.99014 | 18.67729 | 28.70271 | 36.93363 | 2.62078 | 45.71922 | 34.02303 | -0.28982 | 49.75982 | 44.3985 | 10.08565 | 32.12435 |
| 1/24/2025 | 5:00:00 PM | 34.31285 | 52.99371 | 18.68086 | 28.69914 | 36.93005 | 2.6172 | 45.7228 | 34.01576 | -0.29709 | 49.76709 | 44.3985 | 10.08565 | 32.12435 |
| 1/24/2025 | 6:00:00 PM | 34.29613 | 53.00087 | 18.70474 | 28.67526 | 36.92289 | 2.62676 | 45.71324 | 34.0194 | -0.27673 | 49.74673 | 44.39493 | 10.0988 | 32.1112 |
| 1/24/2025 | 7:00:00 PM | 34.29613 | 53.00444 | 18.70831 | 28.67169 | 36.91215 | 2.61602 | 45.72398 | 34.0194 | -0.27673 | 49.74673 | 44.39136 | 10.09523 | 32.11477 |
| 1/24/2025 | 8:00:00 PM | 34.28944 | 53.01875 | 18.72931 | 28.65069 | 36.92289 | 2.63345 | 45.70655 | 34.02303 | -0.26641 | 49.73641 | 44.39136 | 10.10192 | 32.10808 |
| 1/24/2025 | 9:00:00 PM | 34.28275 | 53.01517 | 18.73242 | 28.64758 | 36.91215 | 2.6294 | 45.7106 | 34.02303 | -0.25972 | 49.72972 | 44.39493 | 10.11218 | 32.09782 |
| 1/24/2025 | 10:00:00 PM | 34.28275 | 53.0259 | 18.74315 | 28.63685 | 36.90857 | 2.62582 | 45.71418 | 34.0303 | -0.25245 | 49.72245 | 44.39493 | 10.11218 | 32.09782 |
| 1/24/2025 | 11:00:00 PM | 34.28275 | 53.0402 | 18.75745 | 28.62255 | 36.91573 | 2.63298 | 45.70702 | 34.0412 | -0.24155 | 49.71155 | 44.3985 | 10.11575 | 32.09425 |
| 1/25/2025 | 12:00:00 AM | 34.28944 | 53.05093 | 18.76149 | 28.61851 | 36.91215 | 2.62271 | 45.71729 | 34.05574 | -0.2337 | 49.7037 | 44.40921 | 10.11977 | 32.09023 |
| 1/25/2025 | 1:00:00 AM | 34.27941 | 53.02947 | 18.75006 | 28.62994 | 36.90857 | 2.62916 | 45.71084 | 34.04484 | -0.23457 | 49.70457 | 44.40207 | 10.12266 | 32.08734 |
| 1/25/2025 | 2:00:00 AM | 34.27606 | 53.03663 | 18.76057 | 28.61943 | 36.91931 | 2.64325 | 45.69675 | 34.0412 | -0.23486 | 49.70486 | 44.40564 | 10.12958 | 32.08042 |
| 1/25/2025 | 3:00:00 AM | 34.27606 | 53.05451 | 18.77845 | 28.60155 | 36.91215 | 2.63609 | 45.70391 | 34.04484 | -0.23122 | 49.70122 | 44.40921 | 10.13315 | 32.07685 |
| 1/25/2025 | 4:00:00 AM | 34.26603 | 53.03305 | 18.76702 | 28.61298 | 36.91931 | 2.65328 | 45.68672 | 34.04484 | -0.22119 | 49.69119 | 44.40921 | 10.14318 | 32.06682 |
| 1/25/2025 | 5:00:00 AM | 34.25934 | 53.03663 | 18.77729 | 28.60271 | 36.91931 | 2.65997 | 45.68003 | 34.0412 | -0.21814 | 49.68814 | 44.41278 | 10.15344 | 32.05656 |
| 1/25/2025 | 6:00:00 AM | 34.25265 | 53.02232 | 18.76967 | 28.61033 | 36.91573 | 2.66308 | 45.67692 | 34.03393 | -0.21872 | 49.68872 | 44.40564 | 10.15299 | 32.05701 |
| 1/25/2025 | 7:00:00 AM | 34.24931 | 53.02232 | 18.77301 | 28.60699 | 36.91215 | 2.66284 | 45.67716 | 34.0303 | -0.21901 | 49.68901 | 44.3985 | 10.14919 | 32.06081 |
| 1/25/2025 | 8:00:00 AM | 34.24596 | 53.01875 | 18.77279 | 28.60721 | 36.91573 | 2.66977 | 45.67023 | 34.0303 | -0.21566 | 49.68566 | 44.39493 | 10.14897 | 32.06103 |
| 1/25/2025 | 9:00:00 AM | 34.24931 | 53.03663 | 18.78732 | 28.59268 | 36.91573 | 2.66642 | 45.67358 | 34.0303 | -0.21901 | 49.68901 | 44.3985 | 10.14919 | 32.06081 |
| 1/25/2025 | 10:00:00 AM | 34.25934 | 53.05093 | 18.79159 | 28.58841 | 36.91931 | 2.65997 | 45.68003 | 34.03757 | -0.22177 | 49.69177 | 44.40207 | 10.14273 | 32.06727 |
| 1/25/2025 | 11:00:00 AM | 34.28275 | 53.05451 | 18.77176 | 28.60824 | 36.91215 | 2.6294 | 45.7106 | 34.04484 | -0.23791 | 49.70791 | 44.40564 | 10.12289 | 32.08711 |
| 1/25/2025 | 12:00:00 PM | 34.30281 | 53.03305 | 18.73024 | 28.64976 | 36.90857 | 2.60576 | 45.73424 | 34.03393 | -0.26888 | 49.73888 | 44.40207 | 10.09926 | 32.11074 |
| 1/25/2025 | 1:00:00 PM | 34.31619 | 53.00087 | 18.68468 | 28.69532 | 36.90499 | 2.5888 | 45.7512 | 34.0085 | -0.30769 | 49.77769 | 44.38778 | 10.07159 | 32.13841 |
| 1/25/2025 | 2:00:00 PM | 34.33291 | 52.99014 | 18.65723 | 28.72277 | 36.90499 | 2.57208 | 45.76792 | 34.00486 | -0.32805 | 49.79805 | 44.38778 | 10.05487 | 32.15513 |
| 1/25/2025 | 3:00:00 PM | 34.31285 | 52.98299 | 18.67014 | 28.70986 | 36.90857 | 2.59572 | 45.74428 | 34.00123 | -0.31162 | 49.78162 | 44.37707 | 10.06422 | 32.14578 |
| 1/25/2025 | 4:00:00 PM | 34.30281 | 52.99371 | 18.6909 | 28.6891 | 36.90499 | 2.60218 | 45.73782 | 34.00486 | -0.29795 | 49.76795 | 44.36993 | 10.06712 | 32.14288 |
| 1/25/2025 | 5:00:00 PM | 34.29278 | 52.98299 | 18.69021 | 28.68979 | 36.89425 | 2.60147 | 45.73853 | 33.99759 | -0.29519 | 49.76519 | 44.36636 | 10.07358 | 32.13642 |
| 1/25/2025 | 6:00:00 PM | 34.28609 | 52.99371 | 18.70762 | 28.67238 | 36.89783 | 2.61174 | 45.72826 | 34.00123 | -0.28486 | 49.75486 | 44.3735 | 10.08741 | 32.12259 |
| 1/25/2025 | 7:00:00 PM | 34.27272 | 52.98299 | 18.71027 | 28.66973 | 36.89425 | 2.62153 | 45.71847 | 33.99759 | -0.27513 | 49.74513 | 44.36636 | 10.09364 | 32.11636 |
| 1/25/2025 | 8:00:00 PM | 34.24596 | 52.9508 | 18.70484 | 28.67516 | 36.88351 | 2.63755 | 45.70245 | 34.00486 | -0.2411 | 49.7111 | 44.36279 | 10.11683 | 32.09317 |
| 1/25/2025 | 9:00:00 PM | 34.24596 | 52.95795 | 18.71199 | 28.66801 | 36.89425 | 2.64829 | 45.69171 | 34.0085 | -0.23746 | 49.70746 | 44.36636 | 10.1204 | 32.0896 |
| 1/25/2025 | 10:00:00 PM | 34.24262 | 52.96868 | 18.72606 | 28.65394 | 36.88709 | 2.64447 | 45.69553 | 34.0085 | -0.23412 | 49.70412 | 44.36636 | 10.12374 | 32.08626 |
| 1/25/2025 | 11:00:00 PM | 34.24262 | 52.97226 | 18.72964 | 28.65036 | 36.88709 | 2.64447 | 45.69553 | 34.01576 | -0.22686 | 49.69686 | 44.37707 | 10.13445 | 32.07555 |
| 1/26/2025 | 12:00:00 AM | 34.24931 | 52.99014 | 18.74083 | 28.63917 | 36.89067 | 2.64136 | 45.69864 | 34.02667 | -0.22264 | 49.69264 | 44.38064 | 10.13133 | 32.07867 |
| 1/26/2025 | 1:00:00 AM | 34.24262 | 52.98299 | 18.74037 | 28.63963 | 36.89067 | 2.64805 | 45.69195 | 34.02303 | -0.21959 | 49.68959 | 44.38064 | 10.13802 | 32.07198 |
| 1/26/2025 | 2:00:00 AM | 34.23593 | 52.97941 | 18.74348 | 28.63652 | 36.88709 | 2.65116 | 45.68884 | 34.01576 | -0.22017 | 49.69017 | 44.38064 | 10.14471 | 32.06529 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/26/2025 | 3:00:00 AM | 34.23593 | 52.98299 | 18.74706 | 28.63294 | 36.88709 | 2.65116 | 45.68884 | 34.0194 | -0.21653 | 49.68653 | 44.38778 | 10.15185 | 32.05815 |
| 1/26/2025 | 4:00:00 AM | 34.23593 | 52.98656 | 18.75063 | 28.62937 | 36.89067 | 2.65474 | 45.68526 | 34.02303 | -0.2129 | 49.6829 | 44.38064 | 10.14471 | 32.06529 |
| 1/26/2025 | 5:00:00 AM | 34.2259 | 52.97941 | 18.75351 | 28.62649 | 36.88709 | 2.66119 | 45.67881 | 34.01576 | -0.21014 | 49.68014 | 44.38064 | 10.15474 | 32.05526 |
| 1/26/2025 | 6:00:00 AM | 34.23259 | 52.99371 | 18.76112 | 28.61888 | 36.89067 | 2.65808 | 45.68192 | 34.0194 | -0.21319 | 49.68319 | 44.38421 | 10.15162 | 32.05838 |
| 1/26/2025 | 7:00:00 AM | 34.22256 | 52.98299 | 18.76043 | 28.61957 | 36.89067 | 2.66811 | 45.67189 | 34.0194 | -0.20316 | 49.67316 | 44.37707 | 10.15451 | 32.05549 |
| 1/26/2025 | 8:00:00 AM | 34.2259 | 52.99371 | 18.76781 | 28.61219 | 36.89067 | 2.66477 | 45.67523 | 34.0194 | -0.2065 | 49.6765 | 44.38421 | 10.15831 | 32.05169 |
| 1/26/2025 | 9:00:00 AM | 34.23593 | 53.01159 | 18.77566 | 28.60434 | 36.89067 | 2.65474 | 45.68526 | 34.03393 | -0.202 | 49.672 | 44.3985 | 10.16257 | 32.04743 |
| 1/26/2025 | 10:00:00 AM | 34.24931 | 53.0259 | 18.77659 | 28.60341 | 36.89067 | 2.64136 | 45.69864 | 34.04484 | -0.20447 | 49.67447 | 44.3985 | 10.14919 | 32.06081 |
| 1/26/2025 | 11:00:00 AM | 34.26603 | 53.02947 | 18.76344 | 28.61656 | 36.90141 | 2.63538 | 45.70462 | 34.04847 | -0.21756 | 49.68756 | 44.40207 | 10.13604 | 32.07396 |
| 1/26/2025 | 12:00:00 PM | 34.28944 | 53.01159 | 18.72215 | 28.65785 | 36.89425 | 2.60481 | 45.73519 | 34.03757 | -0.25187 | 49.72187 | 44.3985 | 10.10906 | 32.10094 |
| 1/26/2025 | 1:00:00 PM | 34.31619 | 52.99729 | 18.6811 | 28.6989 | 36.89067 | 2.57448 | 45.76552 | 34.0303 | -0.28589 | 49.75589 | 44.39493 | 10.07874 | 32.13126 |
| 1/26/2025 | 2:00:00 PM | 34.32622 | 52.98656 | 18.66034 | 28.71966 | 36.90141 | 2.57519 | 45.76481 | 34.02303 | -0.30319 | 49.77319 | 44.38778 | 10.06156 | 32.14844 |
| 1/26/2025 | 3:00:00 PM | 34.30616 | 52.97226 | 18.6661 | 28.7139 | 36.89425 | 2.58809 | 45.75191 | 34.01213 | -0.29403 | 49.76403 | 44.39136 | 10.0852 | 32.1248 |
| 1/26/2025 | 4:00:00 PM | 34.29613 | 52.98656 | 18.69043 | 28.68957 | 36.89783 | 2.6017 | 45.7383 | 34.0085 | -0.28763 | 49.75763 | 44.37707 | 10.08094 | 32.12906 |
| 1/26/2025 | 5:00:00 PM | 34.28275 | 52.97226 | 18.68951 | 28.69049 | 36.89783 | 2.61508 | 45.72492 | 34.01576 | -0.26699 | 49.73699 | 44.36993 | 10.08718 | 32.12282 |
| 1/26/2025 | 6:00:00 PM | 34.27606 | 52.97941 | 18.70335 | 28.67665 | 36.89783 | 2.62177 | 45.71823 | 34.0085 | -0.26756 | 49.73756 | 44.36993 | 10.09387 | 32.11613 |
| 1/26/2025 | 7:00:00 PM | 34.27272 | 52.99371 | 18.72099 | 28.65901 | 36.89425 | 2.62153 | 45.71847 | 34.01213 | -0.26059 | 49.73059 | 44.3735 | 10.10078 | 32.10922 |
| 1/26/2025 | 8:00:00 PM | 34.26603 | 53.00087 | 18.73484 | 28.64516 | 36.88709 | 2.62106 | 45.71894 | 34.0194 | -0.24663 | 49.71663 | 44.38064 | 10.11461 | 32.09539 |
| 1/26/2025 | 9:00:00 PM | 34.26603 | 53.00802 | 18.74199 | 28.63801 | 36.89067 | 2.62464 | 45.71536 | 34.02303 | -0.243 | 49.713 | 44.38064 | 10.11461 | 32.09539 |
| 1/26/2025 | 10:00:00 PM | 34.26603 | 53.01159 | 18.74556 | 28.63444 | 36.89067 | 2.62464 | 45.71536 | 34.02667 | -0.23936 | 49.70936 | 44.38778 | 10.12175 | 32.08825 |
| 1/26/2025 | 11:00:00 PM | 34.25934 | 53.01159 | 18.75225 | 28.62775 | 36.89425 | 2.63491 | 45.70509 | 34.03393 | -0.22541 | 49.69541 | 44.38421 | 10.12487 | 32.08513 |
| 1/27/2025 | 12:00:00 AM | 34.256 | 53.01875 | 18.76275 | 28.61725 | 36.88709 | 2.63109 | 45.70891 | 34.0303 | -0.2257 | 49.6957 | 44.38778 | 10.13178 | 32.07822 |
| 1/27/2025 | 1:00:00 AM | 34.25265 | 53.01159 | 18.75894 | 28.62106 | 36.89425 | 2.6416 | 45.6984 | 34.0303 | -0.22235 | 49.69235 | 44.38778 | 10.13513 | 32.07487 |
| 1/27/2025 | 2:00:00 AM | 34.23928 | 53.01875 | 18.77947 | 28.60053 | 36.89425 | 2.65497 | 45.68503 | 34.0303 | -0.20898 | 49.67898 | 44.39136 | 10.15208 | 32.05792 |
| 1/27/2025 | 3:00:00 AM | 34.24262 | 53.00802 | 18.7654 | 28.6146 | 36.89425 | 2.65163 | 45.68837 | 34.02667 | -0.21595 | 49.68595 | 44.38421 | 10.14159 | 32.06841 |
| 1/27/2025 | 4:00:00 AM | 34.22924 | 52.98299 | 18.75375 | 28.62625 | 36.89425 | 2.66501 | 45.67499 | 34.0085 | -0.22074 | 49.69074 | 44.3735 | 10.14426 | 32.06574 |
| 1/27/2025 | 5:00:00 AM | 34.21921 | 52.97583 | 18.75662 | 28.62338 | 36.89067 | 2.67146 | 45.66854 | 34.0085 | -0.21071 | 49.68071 | 44.36993 | 10.15072 | 32.05928 |
| 1/27/2025 | 6:00:00 AM | 34.21587 | 52.97226 | 18.75639 | 28.62361 | 36.89783 | 2.68196 | 45.65804 | 34.00123 | -0.21464 | 49.68464 | 44.35921 | 10.14334 | 32.06666 |
| 1/27/2025 | 7:00:00 AM | 34.21587 | 52.99014 | 18.77427 | 28.60573 | 36.88709 | 2.67122 | 45.66878 | 33.99759 | -0.21828 | 49.68828 | 44.36279 | 10.14692 | 32.06308 |
| 1/27/2025 | 8:00:00 AM | 34.22256 | 53.00087 | 18.77831 | 28.60169 | 36.88351 | 2.66095 | 45.67905 | 34.00123 | -0.22133 | 49.69133 | 44.36279 | 10.14023 | 32.06977 |
| 1/27/2025 | 9:00:00 AM | 34.2259 | 52.99729 | 18.77139 | 28.60861 | 36.88709 | 2.66119 | 45.67881 | 34.00486 | -0.22104 | 49.69104 | 44.35564 | 10.12974 | 32.08026 |
| 1/27/2025 | 10:00:00 AM | 34.23259 | 53.00087 | 18.76828 | 28.61172 | 36.88351 | 2.65092 | 45.68908 | 34.00486 | -0.22773 | 49.69773 | 44.35564 | 10.12305 | 32.08695 |
| 1/27/2025 | 11:00:00 AM | 34.25265 | 53.00087 | 18.74822 | 28.63178 | 36.88709 | 2.63444 | 45.70556 | 34.0085 | -0.24415 | 49.71415 | 44.36279 | 10.11014 | 32.09986 |
| 1/27/2025 | 12:00:00 PM | 34.27606 | 52.97226 | 18.6962 | 28.6838 | 36.88351 | 2.60745 | 45.73255 | 34.00486 | -0.2712 | 49.7412 | 44.35207 | 10.07601 | 32.13399 |
| 1/27/2025 | 1:00:00 PM | 34.29278 | 52.94723 | 18.65445 | 28.72555 | 36.87993 | 2.58715 | 45.75285 | 33.97942 | -0.31336 | 49.78336 | 44.34493 | 10.05215 | 32.15785 |
| 1/27/2025 | 2:00:00 PM | 34.29947 | 52.93292 | 18.63345 | 28.74655 | 36.87993 | 2.58046 | 45.75954 | 33.96489 | -0.33458 | 49.80458 | 44.33064 | 10.03117 | 32.17883 |
| 1/27/2025 | 3:00:00 PM | 34.27272 | 52.91504 | 18.64232 | 28.73768 | 36.87278 | 2.60006 | 45.73994 | 33.95035 | -0.32237 | 49.79237 | 44.31279 | 10.04007 | 32.16993 |
| 1/27/2025 | 4:00:00 PM | 34.25934 | 52.90431 | 18.64497 | 28.73503 | 36.8692 | 2.60986 | 45.73014 | 33.93945 | -0.31989 | 49.78989 | 44.30564 | 10.0463 | 32.1637 |
| 1/27/2025 | 5:00:00 PM | 34.23928 | 52.90789 | 18.66861 | 28.71139 | 36.86562 | 2.62634 | 45.71366 | 33.92128 | -0.318 | 49.788 | 44.29493 | 10.05565 | 32.15435 |
| 1/27/2025 | 6:00:00 PM | 34.24262 | 52.90789 | 18.66527 | 28.71473 | 36.85846 | 2.61584 | 45.72416 | 33.91764 | -0.32498 | 49.79498 | 44.28779 | 10.04517 | 32.16483 |
| 1/27/2025 | 7:00:00 PM | 34.2259 | 52.90789 | 18.68199 | 28.69801 | 36.85846 | 2.63256 | 45.70744 | 33.91037 | -0.31553 | 49.78553 | 44.28422 | 10.05832 | 32.15168 |
| 1/27/2025 | 8:00:00 PM | 34.22256 | 52.91146 | 18.6889 | 28.6911 | 36.84414 | 2.62158 | 45.71842 | 33.91764 | -0.30492 | 49.77492 | 44.2735 | 10.05094 | 32.15906 |
| 1/27/2025 | 9:00:00 PM | 34.21587 | 52.90431 | 18.68844 | 28.69156 | 36.84414 | 2.62827 | 45.71173 | 33.91401 | -0.30186 | 49.77186 | 44.2735 | 10.05763 | 32.15237 |
| 1/27/2025 | 10:00:00 PM | 34.20918 | 52.89716 | 18.68798 | 28.69202 | 36.83698 | 2.6278 | 45.7122 | 33.90674 | -0.30244 | 49.77244 | 44.26636 | 10.05718 | 32.15282 |
| 1/27/2025 | 11:00:00 PM | 34.20249 | 52.90074 | 18.69825 | 28.68175 | 36.8334 | 2.63091 | 45.70909 | 33.91401 | -0.28848 | 49.75848 | 44.26279 | 10.0603 | 32.1497 |
| 1/28/2025 | 12:00:00 AM | 34.19915 | 52.89716 | 18.69801 | 28.68199 | 36.82982 | 2.63067 | 45.70933 | 33.91401 | -0.28514 | 49.75514 | 44.26636 | 10.06721 | 32.14279 |
| 1/28/2025 | 1:00:00 AM | 34.18912 | 52.89716 | 18.70804 | 28.67196 | 36.82624 | 2.63712 | 45.70288 | 33.91037 | -0.27875 | 49.74875 | 44.25922 | 10.0701 | 32.1399 |
| 1/28/2025 | 2:00:00 AM | 34.18243 | 52.88643 | 18.704 | 28.676 | 36.82266 | 2.64023 | 45.69977 | 33.9031 | -0.27933 | 49.74933 | 44.25922 | 10.07679 | 32.13321 |
| 1/28/2025 | 3:00:00 AM | 34.18577 | 52.88286 | 18.69709 | 28.68291 | 36.81908 | 2.63331 | 45.70669 | 33.9031 | -0.28267 | 49.75267 | 44.25207 | 10.0663 | 32.1437 |
| 1/28/2025 | 4:00:00 AM | 34.17574 | 52.86498 | 18.68924 | 28.69076 | 36.8155 | 2.63976 | 45.70024 | 33.8922 | -0.28354 | 49.75354 | 44.24493 | 10.06919 | 32.14081 |
| 1/28/2025 | 5:00:00 AM | 34.15902 | 52.85782 | 18.6988 | 28.6812 | 36.8155 | 2.65648 | 45.68352 | 33.8813 | -0.27772 | 49.74772 | 44.23422 | 10.0752 | 32.1348 |
| 1/28/2025 | 6:00:00 AM | 34.16236 | 52.8614 | 18.69904 | 28.68096 | 36.80118 | 2.63882 | 45.70118 | 33.87403 | -0.28833 | 49.75833 | 44.21993 | 10.05757 | 32.15243 |
| 1/28/2025 | 7:00:00 AM | 34.15568 | 52.85067 | 18.69499 | 28.68501 | 36.79761 | 2.64193 | 45.69807 | 33.8704 | -0.28528 | 49.75528 | 44.21279 | 10.05711 | 32.15289 |
| 1/28/2025 | 8:00:00 AM | 34.15568 | 52.85067 | 18.69499 | 28.68501 | 36.80118 | 2.6455 | 45.6945 | 33.85949 | -0.29619 | 49.76619 | 44.21279 | 10.05711 | 32.15289 |
| 1/28/2025 | 9:00:00 AM | 34.15568 | 52.8471 | 18.69142 | 28.68858 | 36.78687 | 2.63119 | 45.70881 | 33.86313 | -0.29255 | 49.76255 | 44.1985 | 10.04282 | 32.16718 |
| 1/28/2025 | 10:00:00 AM | 34.16236 | 52.85425 | 18.69189 | 28.68811 | 36.78687 | 2.62451 | 45.71549 | 33.85949 | -0.30287 | 49.77287 | 44.1985 | 10.03614 | 32.17386 |
| 1/28/2025 | 11:00:00 AM | 34.17908 | 52.8471 | 18.66802 | 28.71198 | 36.77971 | 2.60063 | 45.73937 | 33.85223 | -0.32685 | 49.79685 | 44.19136 | 10.01228 | 32.19772 |
| 1/28/2025 | 12:00:00 PM | 34.19915 | 52.81849 | 18.61934 | 28.76066 | 36.77613 | 2.57698 | 45.76302 | 33.83406 | -0.36509 | 49.83509 | 44.18065 | 9.9815 | 32.2285 |
| 1/28/2025 | 1:00:00 PM | 34.13896 | 52.80418 | 18.66522 | 28.71478 | 36.76539 | 2.62643 | 45.71357 | 33.81588 | -0.32308 | 49.79308 | 44.16636 | 10.0274 | 32.1826 |
| 1/28/2025 | 2:00:00 PM | 34.11889 | 52.71121 | 18.59232 | 28.78768 | 36.76181 | 2.64292 | 45.69708 | 33.79771 | -0.32118 | 49.79118 | 44.15208 | 10.03319 | 32.17681 |
| 1/28/2025 | 3:00:00 PM | 34.09548 | 52.70405 | 18.60857 | 28.77143 | 36.75465 | 2.65917 | 45.68083 | 33.77954 | -0.31594 | 49.78594 | 44.14136 | 10.04588 | 32.16412 |
| 1/28/2025 | 4:00:00 PM | 34.09548 | 52.71478 | 18.6193 | 28.7607 | 36.74391 | 2.64843 | 45.69157 | 33.77954 | -0.31594 | 49.78594 | 44.13779 | 10.04231 | 32.16769 |
| 1/28/2025 | 5:00:00 PM | 34.07542 | 52.70763 | 18.63221 | 28.74779 | 36.74033 | 2.66491 | 45.67509 | 33.77227 | -0.30315 | 49.77315 | 44.12351 | 10.04809 | 32.16191 |
| 1/28/2025 | 6:00:00 PM | 34.05536 | 52.69332 | 18.63796 | 28.74204 | 36.73317 | 2.67781 | 45.66219 | 33.7541 | -0.30126 | 49.77126 | 44.10922 | 10.05386 | 32.15614 |
| 1/28/2025 | 7:00:00 PM | 34.04532 | 52.6969 | 18.65158 | 28.72842 | 36.72244 | 2.67712 | 45.66288 | 33.75047 | -0.29485 | 49.76485 | 44.10565 | 10.06033 | 32.14967 |
| 1/28/2025 | 8:00:00 PM | 34.05201 | 52.70048 | 18.64847 | 28.73153 | 36.71886 | 2.66685 | 45.67315 | 33.7541 | -0.29791 | 49.76791 | 44.09494 | 10.04293 | 32.16707 |
| 1/28/2025 | 9:00:00 PM | 34.03864 | 52.70763 | 18.66899 | 28.71101 | 36.70812 | 2.66948 | 45.67052 | 33.75047 | -0.28817 | 49.75817 | 44.09137 | 10.05273 | 32.15727 |
| 1/28/2025 | 10:00:00 PM | 34.04198 | 52.70763 | 18.66565 | 28.71435 | 36.69738 | 2.6554 | 45.6846 | 33.74684 | -0.29514 | 49.76514 | 44.08422 | 10.04224 | 32.16776 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/28/2025 | 11:00:00 PM | 34.03195 | 52.6969 | 18.66495 | 28.71505 | 36.6938 | 2.66185 | 45.67815 | 33.7432 | -0.28875 | 49.75875 | 44.07708 | 10.04513 | 32.16487 |
| 1/29/2025 | 12:00:00 AM | 34.0286 | 52.69332 | 18.66472 | 28.71528 | 36.6938 | 2.6652 | 45.6748 | 33.73593 | -0.29267 | 49.76267 | 44.07708 | 10.04848 | 32.16152 |
| 1/29/2025 | 1:00:00 AM | 34.02526 | 52.69332 | 18.66806 | 28.71194 | 36.6759 | 2.65064 | 45.68936 | 33.73593 | -0.28933 | 49.75933 | 44.06637 | 10.04111 | 32.16889 |
| 1/29/2025 | 2:00:00 AM | 34.00854 | 52.68617 | 18.67763 | 28.70237 | 36.67232 | 2.66378 | 45.67622 | 33.72866 | -0.27988 | 49.74988 | 44.06994 | 10.0614 | 32.1486 |
| 1/29/2025 | 3:00:00 AM | 34.00854 | 52.68617 | 18.67763 | 28.70237 | 36.67232 | 2.66378 | 45.67622 | 33.72866 | -0.27988 | 49.74988 | 44.0628 | 10.05426 | 32.15574 |
| 1/29/2025 | 4:00:00 AM | 34.00854 | 52.67902 | 18.67048 | 28.70952 | 36.66874 | 2.6602 | 45.6798 | 33.71776 | -0.29078 | 49.76078 | 44.05922 | 10.05068 | 32.15932 |
| 1/29/2025 | 5:00:00 AM | 34.0052 | 52.6826 | 18.6774 | 28.7026 | 36.658 | 2.6528 | 45.6872 | 33.71413 | -0.29107 | 49.76107 | 44.05208 | 10.04688 | 32.16312 |
| 1/29/2025 | 6:00:00 AM | 34.01188 | 52.6969 | 18.68502 | 28.69498 | 36.65084 | 2.63896 | 45.70104 | 33.7214 | -0.29048 | 49.76048 | 44.05565 | 10.04377 | 32.16623 |
| 1/29/2025 | 7:00:00 AM | 34.0052 | 52.70405 | 18.69885 | 28.68115 | 36.65084 | 2.64564 | 45.69436 | 33.7214 | -0.2838 | 49.7538 | 44.05922 | 10.05402 | 32.15598 |
| 1/29/2025 | 8:00:00 AM | 34.0052 | 52.70405 | 18.69885 | 28.68115 | 36.64726 | 2.64206 | 45.69794 | 33.72503 | -0.28017 | 49.75017 | 44.05208 | 10.04688 | 32.16312 |
| 1/29/2025 | 9:00:00 AM | 34.00854 | 52.71478 | 18.70624 | 28.67376 | 36.64369 | 2.63515 | 45.70485 | 33.72503 | -0.28351 | 49.75351 | 44.05922 | 10.05068 | 32.15932 |
| 1/29/2025 | 10:00:00 AM | 34.01857 | 52.71836 | 18.69979 | 28.68021 | 36.63653 | 2.61796 | 45.72204 | 33.7323 | -0.28627 | 49.75627 | 44.05565 | 10.03708 | 32.17292 |
| 1/29/2025 | 11:00:00 AM | 34.04532 | 52.71836 | 18.67304 | 28.70696 | 36.63653 | 2.59121 | 45.74879 | 33.7323 | -0.31302 | 49.78302 | 44.05922 | 10.0139 | 32.1961 |
| 1/29/2025 | 12:00:00 PM | 34.07542 | 52.70048 | 18.62506 | 28.75494 | 36.62937 | 2.55395 | 45.78605 | 33.71413 | -0.36129 | 49.83129 | 44.05565 | 9.98023 | 32.22977 |
| 1/29/2025 | 1:00:00 PM | 34.07542 | 52.70048 | 18.62506 | 28.75494 | 36.63295 | 2.55753 | 45.78247 | 33.71413 | -0.36129 | 49.83129 | 44.05208 | 9.97666 | 32.23334 |
| 1/29/2025 | 2:00:00 PM | 34.0286 | 52.67902 | 18.65042 | 28.72958 | 36.62579 | 2.59719 | 45.74281 | 33.70323 | -0.32537 | 49.79537 | 44.04137 | 10.01277 | 32.19723 |
| 1/29/2025 | 3:00:00 PM | 34.0052 | 52.66472 | 18.65952 | 28.72048 | 36.62221 | 2.61701 | 45.72299 | 33.69596 | -0.30924 | 49.77924 | 44.03422 | 10.02902 | 32.18098 |
| 1/29/2025 | 4:00:00 PM | 33.95838 | 52.57174 | 18.61336 | 28.76664 | 36.61863 | 2.66025 | 45.67975 | 33.68505 | -0.27333 | 49.74333 | 44.03065 | 10.07227 | 32.13773 |
| 1/29/2025 | 5:00:00 PM | 33.94835 | 52.57889 | 18.63054 | 28.74946 | 36.61147 | 2.66312 | 45.67688 | 33.68505 | -0.2633 | 49.7333 | 44.02708 | 10.07873 | 32.13127 |
| 1/29/2025 | 6:00:00 PM | 33.945 | 52.6075 | 18.6625 | 28.7175 | 36.60789 | 2.66289 | 45.67711 | 33.69596 | -0.24904 | 49.71904 | 44.03065 | 10.08565 | 32.12435 |
| 1/29/2025 | 7:00:00 PM | 33.93497 | 52.6075 | 18.67253 | 28.70747 | 36.60789 | 2.67292 | 45.66708 | 33.69596 | -0.23901 | 49.70901 | 44.03065 | 10.09568 | 32.11432 |
| 1/29/2025 | 8:00:00 PM | 33.93163 | 52.6075 | 18.67587 | 28.70413 | 36.60073 | 2.6691 | 45.6709 | 33.69959 | -0.23204 | 49.70204 | 44.02708 | 10.09545 | 32.11455 |
| 1/29/2025 | 9:00:00 PM | 33.91825 | 52.60035 | 18.6821 | 28.6979 | 36.60073 | 2.68248 | 45.65752 | 33.69232 | -0.22593 | 49.69593 | 44.02351 | 10.10526 | 32.10474 |
| 1/29/2025 | 10:00:00 PM | 33.9216 | 52.6218 | 18.7002 | 28.6798 | 36.59357 | 2.67197 | 45.66803 | 33.70686 | -0.21474 | 49.68474 | 44.03422 | 10.11262 | 32.09738 |
| 1/29/2025 | 11:00:00 PM | 33.92828 | 52.62896 | 18.70068 | 28.67932 | 36.60073 | 2.67245 | 45.66755 | 33.71049 | -0.21779 | 49.68779 | 44.04137 | 10.11309 | 32.09691 |
| 1/30/2025 | 12:00:00 AM | 33.9216 | 52.63611 | 18.71451 | 28.66549 | 36.59715 | 2.67555 | 45.66445 | 33.71413 | -0.20747 | 49.67747 | 44.04137 | 10.11977 | 32.09023 |
| 1/30/2025 | 1:00:00 AM | 33.91491 | 52.6218 | 18.70689 | 28.67311 | 36.60073 | 2.68582 | 45.65418 | 33.71413 | -0.20078 | 49.67078 | 44.0378 | 10.12289 | 32.08711 |
| 1/30/2025 | 2:00:00 AM | 33.91156 | 52.63253 | 18.72097 | 28.65903 | 36.59357 | 2.68201 | 45.65799 | 33.70323 | -0.20833 | 49.67833 | 44.0378 | 10.12624 | 32.08376 |
| 1/30/2025 | 3:00:00 AM | 33.91156 | 52.62538 | 18.71382 | 28.66618 | 36.60073 | 2.68917 | 45.65083 | 33.71413 | -0.19743 | 49.66743 | 44.04494 | 10.13338 | 32.07662 |
| 1/30/2025 | 4:00:00 AM | 33.90153 | 52.61823 | 18.7167 | 28.6633 | 36.59715 | 2.69562 | 45.64438 | 33.71776 | -0.18377 | 49.65377 | 44.03422 | 10.13269 | 32.07731 |
| 1/30/2025 | 5:00:00 AM | 33.90488 | 52.6218 | 18.71692 | 28.66308 | 36.59357 | 2.68869 | 45.65131 | 33.71049 | -0.19439 | 49.66439 | 44.0378 | 10.13292 | 32.07708 |
| 1/30/2025 | 6:00:00 AM | 33.89819 | 52.6218 | 18.72361 | 28.65639 | 36.59357 | 2.69538 | 45.64462 | 33.70686 | -0.19133 | 49.66133 | 44.04137 | 10.14318 | 32.06682 |
| 1/30/2025 | 7:00:00 AM | 33.89484 | 52.61465 | 18.71981 | 28.66019 | 36.58999 | 2.69515 | 45.64485 | 33.70686 | -0.18798 | 49.65798 | 44.03065 | 10.13581 | 32.07419 |
| 1/30/2025 | 8:00:00 AM | 33.90153 | 52.6075 | 18.70597 | 28.67403 | 36.59357 | 2.69204 | 45.64796 | 33.69959 | -0.20194 | 49.67194 | 44.03065 | 10.12912 | 32.08088 |
| 1/30/2025 | 9:00:00 AM | 33.90153 | 52.61108 | 18.70955 | 28.67045 | 36.58999 | 2.68846 | 45.65154 | 33.69232 | -0.20921 | 49.67921 | 44.03065 | 10.12912 | 32.08088 |
| 1/30/2025 | 10:00:00 AM | 33.91491 | 52.6075 | 18.69259 | 28.68741 | 36.58641 | 2.6715 | 45.6685 | 33.69596 | -0.21895 | 49.68895 | 44.02351 | 10.1086 | 32.1014 |
| 1/30/2025 | 11:00:00 AM | 33.92494 | 52.61823 | 18.69329 | 28.68671 | 36.58283 | 2.65789 | 45.68211 | 33.69596 | -0.22898 | 49.69898 | 44.02708 | 10.10214 | 32.10786 |
| 1/30/2025 | 12:00:00 PM | 33.92494 | 52.61108 | 18.68614 | 28.69386 | 36.58999 | 2.66505 | 45.67495 | 33.69596 | -0.22898 | 49.69898 | 44.01994 | 10.095 | 32.115 |
| 1/30/2025 | 1:00:00 PM | 33.92494 | 52.60035 | 18.67541 | 28.70459 | 36.57567 | 2.65073 | 45.68927 | 33.68505 | -0.23989 | 49.70989 | 44.01994 | 10.095 | 32.115 |
| 1/30/2025 | 2:00:00 PM | 33.91491 | 52.57889 | 18.66398 | 28.71602 | 36.58641 | 2.6715 | 45.6685 | 33.67779 | -0.23712 | 49.70712 | 44.0128 | 10.09789 | 32.11211 |
| 1/30/2025 | 3:00:00 PM | 33.90488 | 52.56101 | 18.65613 | 28.72387 | 36.58641 | 2.68153 | 45.65847 | 33.66325 | -0.24163 | 49.71163 | 43.99851 | 10.09363 | 32.11637 |
| 1/30/2025 | 4:00:00 PM | 33.90488 | 52.54313 | 18.63825 | 28.74175 | 36.57925 | 2.67437 | 45.66563 | 33.64508 | -0.2598 | 49.7298 | 43.91994 | 10.01506 | 32.19494 |
| 1/30/2025 | 5:00:00 PM | 33.88816 | 52.52167 | 18.63351 | 28.74649 | 36.56852 | 2.68036 | 45.65964 | 33.63054 | -0.25762 | 49.72762 | 43.9128 | 10.02464 | 32.18536 |
| 1/30/2025 | 6:00:00 PM | 33.88147 | 52.48949 | 18.60802 | 28.77198 | 36.56136 | 2.67989 | 45.66011 | 33.59783 | -0.28364 | 49.75364 | 43.92351 | 10.04204 | 32.16796 |
| 1/30/2025 | 7:00:00 PM | 33.86809 | 52.47161 | 18.60352 | 28.77648 | 36.5542 | 2.68611 | 45.65389 | 33.5833 | -0.28479 | 49.75479 | 43.90923 | 10.04114 | 32.16886 |
| 1/30/2025 | 8:00:00 PM | 33.86809 | 52.4573 | 18.58921 | 28.79079 | 36.54704 | 2.67895 | 45.66105 | 33.56513 | -0.30296 | 49.77296 | 43.90566 | 10.03757 | 32.17243 |
| 1/30/2025 | 9:00:00 PM | 33.85806 | 52.443 | 18.58494 | 28.79506 | 36.53988 | 2.68182 | 45.65818 | 33.53605 | -0.32201 | 49.79201 | 43.8878 | 10.02974 | 32.18026 |
| 1/30/2025 | 10:00:00 PM | 33.85806 | 52.443 | 18.58494 | 28.79506 | 36.5363 | 2.67824 | 45.66176 | 33.53242 | -0.32564 | 49.79564 | 43.88423 | 10.02617 | 32.18383 |
| 1/30/2025 | 11:00:00 PM | 33.80456 | 52.40009 | 18.59553 | 28.78447 | 36.52198 | 2.71742 | 45.62258 | 33.51788 | -0.28668 | 49.75668 | 43.85566 | 10.0511 | 32.1589 |
| 1/31/2025 | 12:00:00 AM | 33.7778 | 52.40366 | 18.62586 | 28.75414 | 36.50408 | 2.72628 | 45.61372 | 33.50335 | -0.27445 | 49.74445 | 43.83423 | 10.05643 | 32.15357 |
| 1/31/2025 | 1:00:00 AM | 33.72096 | 52.32499 | 18.60403 | 28.77597 | 36.49692 | 2.77596 | 45.56404 | 33.47791 | -0.24305 | 49.71305 | 43.81995 | 10.09899 | 32.11101 |
| 1/31/2025 | 2:00:00 AM | 33.72096 | 52.33572 | 18.61476 | 28.76524 | 36.47187 | 2.75091 | 45.58909 | 33.44883 | -0.27213 | 49.74213 | 43.78066 | 10.0597 | 32.1503 |
| 1/31/2025 | 3:00:00 AM | 33.66745 | 52.31426 | 18.64681 | 28.73319 | 36.46471 | 2.79726 | 45.54274 | 33.42703 | -0.24042 | 49.71042 | 43.75923 | 10.09178 | 32.11822 |
| 1/31/2025 | 4:00:00 AM | 33.65073 | 52.27493 | 18.6242 | 28.7558 | 36.44323 | 2.7925 | 45.5475 | 33.39432 | -0.25641 | 49.72641 | 43.71638 | 10.06565 | 32.14435 |
| 1/31/2025 | 5:00:00 AM | 33.60057 | 52.23916 | 18.63859 | 28.74141 | 36.42891 | 2.82834 | 45.51166 | 33.36888 | -0.23169 | 49.70169 | 43.69138 | 10.09081 | 32.11919 |
| 1/31/2025 | 6:00:00 AM | 33.54707 | 52.19268 | 18.64561 | 28.73439 | 36.4146 | 2.86753 | 45.47247 | 33.33981 | -0.20726 | 49.67726 | 43.67709 | 10.13002 | 32.07998 |
| 1/31/2025 | 7:00:00 AM | 33.55041 | 52.19625 | 18.64584 | 28.73416 | 36.38954 | 2.83913 | 45.50087 | 33.31437 | -0.23604 | 49.70604 | 43.64138 | 10.09097 | 32.11903 |
| 1/31/2025 | 8:00:00 AM | 33.5571 | 52.2034 | 18.6463 | 28.7337 | 36.37522 | 2.81812 | 45.52188 | 33.29257 | -0.26453 | 49.73453 | 43.64138 | 10.08428 | 32.12572 |
| 1/31/2025 | 9:00:00 AM | 33.57048 | 52.21771 | 18.64723 | 28.73277 | 36.35732 | 2.78684 | 45.55316 | 33.29257 | -0.27791 | 49.74791 | 43.6271 | 10.05662 | 32.15338 |
| 1/31/2025 | 10:00:00 AM | 33.57382 | 52.22128 | 18.64746 | 28.73254 | 36.33942 | 2.7656 | 45.5744 | 33.2853 | -0.28852 | 49.75852 | 43.61995 | 10.04613 | 32.16387 |
| 1/31/2025 | 11:00:00 AM | 33.52032 | 52.19625 | 18.67593 | 28.70407 | 36.31795 | 2.79763 | 45.54237 | 33.27076 | -0.24956 | 49.71956 | 43.59495 | 10.07463 | 32.13537 |
| 1/31/2025 | 12:00:00 PM | 33.51028 | 52.14261 | 18.63233 | 28.74767 | 36.30363 | 2.79335 | 45.54665 | 33.24169 | -0.26859 | 49.73859 | 43.54853 | 10.03825 | 32.17175 |
| 1/31/2025 | 1:00:00 PM | 33.45344 | 52.11043 | 18.65699 | 28.72301 | 36.28573 | 2.83229 | 45.50771 | 33.20898 | -0.24446 | 49.71446 | 43.52353 | 10.07009 | 32.13991 |
| 1/31/2025 | 2:00:00 PM | 33.40996 | 52.08897 | 18.67901 | 28.70099 | 36.27141 | 2.86145 | 45.47855 | 33.18717 | -0.22279 | 49.69279 | 43.50924 | 10.09928 | 32.11072 |
| 1/31/2025 | 3:00:00 PM | 33.40996 | 52.08897 | 18.67901 | 28.70099 | 36.24636 | 2.8364 | 45.5036 | 33.16537 | -0.24459 | 49.71459 | 43.49496 | 10.085 | 32.125 |
| 1/31/2025 | 4:00:00 PM | 33.41665 | 52.0997 | 18.68305 | 28.69695 | 36.23204 | 2.81539 | 45.52461 | 33.15447 | -0.26218 | 49.73218 | 43.48781 | 10.07116 | 32.13884 |
| 1/31/2025 | 5:00:00 PM | 33.39324 | 52.11758 | 18.72434 | 28.65566 | 36.21056 | 2.81732 | 45.52268 | 33.15083 | -0.24241 | 49.71241 | 43.4771 | 10.08386 | 32.12614 |
| 1/31/2025 | 6:00:00 PM | 33.40996 | 52.14976 | 18.7398 | 28.6402 | 36.19982 | 2.78986 | 45.55014 | 33.14356 | -0.2664 | 49.7364 | 43.47353 | 10.06357 | 32.14643 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/31/2025 | 7:00:00 PM | 33.40996 | 52.14619 | 18.73623 | 28.64377 | 36.18551 | 2.77555 | 45.56445 | 33.1472 | -0.26276 | 49.73276 | 43.46282 | 10.05286 | 32.15714 |
| 1/31/2025 | 8:00:00 PM | 33.44675 | 52.23559 | 18.78884 | 28.59116 | 36.18193 | 2.73518 | 45.60482 | 33.17627 | -0.27048 | 49.74048 | 43.54138 | 10.09463 | 32.11537 |
| 1/31/2025 | 9:00:00 PM | 33.46681 | 52.29281 | 18.826 | 28.554 | 36.17119 | 2.70438 | 45.63562 | 33.21261 | -0.2542 | 49.7242 | 43.55567 | 10.08886 | 32.12114 |
| 1/31/2025 | 10:00:00 PM | 33.48688 | 52.34645 | 18.85957 | 28.52043 | 36.17477 | 2.68789 | 45.65211 | 33.25622 | -0.23066 | 49.70066 | 43.58424 | 10.09736 | 32.11264 |
| 1/31/2025 | 11:00:00 PM | 33.51363 | 52.42154 | 18.90791 | 28.47209 | 36.17477 | 2.66114 | 45.67886 | 33.30347 | -0.21016 | 49.68016 | 43.6271 | 10.11347 | 32.09653 |
| 2/1/2025 | 12:00:00 AM | 33.53369 | 52.46803 | 18.93434 | 28.44566 | 36.18908 | 2.65539 | 45.68461 | 33.35071 | -0.18298 | 49.65298 | 43.64852 | 10.11483 | 32.09517 |
| 2/1/2025 | 1:00:00 AM | 33.53704 | 52.50737 | 18.97033 | 28.40967 | 36.19266 | 2.65562 | 45.68438 | 33.38342 | -0.15362 | 49.62362 | 43.64852 | 10.11148 | 32.09852 |
| 2/1/2025 | 2:00:00 AM | 33.53704 | 52.52525 | 18.98821 | 28.39179 | 36.19982 | 2.66278 | 45.67722 | 33.40522 | -0.13182 | 49.60182 | 43.67352 | 10.13648 | 32.07352 |
| 2/1/2025 | 3:00:00 AM | 33.54372 | 52.55386 | 19.01014 | 28.36986 | 36.2213 | 2.67758 | 45.66242 | 33.41976 | -0.12396 | 49.59396 | 43.70924 | 10.16552 | 32.04448 |
| 2/1/2025 | 4:00:00 AM | 33.53704 | 52.54671 | 19.00967 | 28.37033 | 36.22846 | 2.69142 | 45.64858 | 33.42703 | -0.11001 | 49.58001 | 43.69495 | 10.15791 | 32.05209 |
| 2/1/2025 | 5:00:00 AM | 33.53704 | 52.55386 | 19.01682 | 28.36318 | 36.23562 | 2.69858 | 45.64142 | 33.4343 | -0.10274 | 49.57274 | 43.71995 | 10.18291 | 32.02709 |
| 2/1/2025 | 6:00:00 AM | 33.53704 | 52.55743 | 19.02039 | 28.35961 | 36.2392 | 2.70216 | 45.63784 | 33.4343 | -0.10274 | 49.57274 | 43.72352 | 10.18648 | 32.02352 |
| 2/1/2025 | 7:00:00 AM | 33.51028 | 52.49664 | 18.98636 | 28.39364 | 36.24994 | 2.73966 | 45.60034 | 33.41976 | -0.09052 | 49.56052 | 43.72352 | 10.21324 | 31.99676 |
| 2/1/2025 | 8:00:00 AM | 33.50694 | 52.50022 | 18.99328 | 28.38672 | 36.26425 | 2.75731 | 45.58269 | 33.4343 | -0.07264 | 49.54264 | 43.74852 | 10.24158 | 31.96842 |
| 2/1/2025 | 9:00:00 AM | 33.51363 | 52.5181 | 19.00447 | 28.37553 | 36.26425 | 2.75062 | 45.58938 | 33.4343 | -0.07933 | 49.54933 | 43.76638 | 10.25275 | 31.95725 |
| 2/1/2025 | 10:00:00 AM | 33.52032 | 52.52167 | 19.00135 | 28.37865 | 36.27141 | 2.75109 | 45.58891 | 33.44157 | -0.07875 | 49.54875 | 43.76995 | 10.24963 | 31.96037 |
| 2/1/2025 | 11:00:00 AM | 33.527 | 52.53598 | 19.00898 | 28.37102 | 36.27857 | 2.75157 | 45.58843 | 33.44883 | -0.07817 | 49.54817 | 43.77352 | 10.24652 | 31.96348 |
| 2/1/2025 | 12:00:00 PM | 33.53369 | 52.5324 | 18.99871 | 28.38129 | 36.28215 | 2.74846 | 45.59154 | 33.45247 | -0.08122 | 49.55122 | 43.76995 | 10.23626 | 31.97374 |
| 2/1/2025 | 1:00:00 PM | 33.527 | 52.51095 | 18.98395 | 28.39605 | 36.28573 | 2.75873 | 45.58127 | 33.43793 | -0.08907 | 49.55907 | 43.76638 | 10.23938 | 31.97062 |
| 2/1/2025 | 2:00:00 PM | 33.52032 | 52.49664 | 18.97632 | 28.40368 | 36.29289 | 2.77257 | 45.56743 | 33.43066 | -0.08966 | 49.55966 | 43.75566 | 10.23534 | 31.97466 |
| 2/1/2025 | 3:00:00 PM | 33.51363 | 52.47876 | 18.96513 | 28.41487 | 36.29289 | 2.77926 | 45.56074 | 33.4234 | -0.09023 | 49.56023 | 43.75566 | 10.24203 | 31.96797 |
| 2/1/2025 | 4:00:00 PM | 33.5036 | 52.51452 | 19.01092 | 28.36908 | 36.29289 | 2.78929 | 45.55071 | 33.43066 | -0.07294 | 49.54294 | 43.77352 | 10.26992 | 31.94008 |
| 2/1/2025 | 5:00:00 PM | 33.50694 | 52.5181 | 19.01116 | 28.36884 | 36.30005 | 2.79311 | 45.54689 | 33.43066 | -0.07628 | 49.54628 | 43.77709 | 10.27015 | 31.93985 |
| 2/1/2025 | 6:00:00 PM | 33.51028 | 52.51095 | 19.00067 | 28.37933 | 36.30005 | 2.78977 | 45.55023 | 33.42703 | -0.08325 | 49.55325 | 43.76995 | 10.25967 | 31.95033 |
| 2/1/2025 | 7:00:00 PM | 33.49691 | 52.51095 | 19.01404 | 28.36596 | 36.30005 | 2.80314 | 45.53686 | 33.4234 | -0.07351 | 49.54351 | 43.76995 | 10.27304 | 31.93696 |
| 2/1/2025 | 8:00:00 PM | 33.49691 | 52.5181 | 19.02119 | 28.35881 | 36.30363 | 2.80672 | 45.53328 | 33.41613 | -0.08078 | 49.55078 | 43.76281 | 10.2659 | 31.9441 |
| 2/1/2025 | 9:00:00 PM | 33.49356 | 52.51095 | 19.01739 | 28.36261 | 36.30363 | 2.81007 | 45.52993 | 33.41249 | -0.08107 | 49.55107 | 43.75566 | 10.2621 | 31.9479 |
| 2/1/2025 | 10:00:00 PM | 33.49022 | 52.50022 | 19.01 | 28.37 | 36.30005 | 2.80983 | 45.53017 | 33.41249 | -0.07773 | 49.54773 | 43.75209 | 10.26187 | 31.94813 |
| 2/1/2025 | 11:00:00 PM | 33.48688 | 52.48591 | 18.99903 | 28.38097 | 36.29647 | 2.80959 | 45.53041 | 33.40522 | -0.08166 | 49.55166 | 43.74495 | 10.25807 | 31.95193 |
| 2/2/2025 | 12:00:00 AM | 33.48353 | 52.48591 | 19.00238 | 28.37762 | 36.29647 | 2.81294 | 45.52706 | 33.39796 | -0.08557 | 49.55557 | 43.75209 | 10.26856 | 31.94144 |
| 2/2/2025 | 1:00:00 AM | 33.48019 | 52.48234 | 19.00215 | 28.37785 | 36.30005 | 2.81986 | 45.52014 | 33.39432 | -0.08587 | 49.55587 | 43.74495 | 10.26476 | 31.94524 |
| 2/2/2025 | 2:00:00 AM | 33.48353 | 52.47518 | 18.99165 | 28.38835 | 36.29289 | 2.80936 | 45.53064 | 33.38342 | -0.10011 | 49.57011 | 43.73781 | 10.25428 | 31.95572 |
| 2/2/2025 | 3:00:00 AM | 33.47684 | 52.46446 | 18.98762 | 28.39238 | 36.29647 | 2.81963 | 45.52037 | 33.37979 | -0.09705 | 49.56705 | 43.73423 | 10.25739 | 31.95261 |
| 2/2/2025 | 4:00:00 AM | 33.46681 | 52.44658 | 18.97977 | 28.40023 | 36.28931 | 2.8225 | 45.5175 | 33.36525 | -0.10156 | 49.57156 | 43.72352 | 10.25671 | 31.95329 |
| 2/2/2025 | 5:00:00 AM | 33.46681 | 52.45015 | 18.98334 | 28.39666 | 36.28573 | 2.81892 | 45.52108 | 33.36888 | -0.09793 | 49.56793 | 43.71638 | 10.24957 | 31.96043 |
| 2/2/2025 | 6:00:00 AM | 33.46347 | 52.43227 | 18.9688 | 28.4112 | 36.28215 | 2.81868 | 45.52132 | 33.34708 | -0.11639 | 49.58639 | 43.70566 | 10.24219 | 31.96781 |
| 2/2/2025 | 7:00:00 AM | 33.45009 | 52.42154 | 18.97145 | 28.40855 | 36.27857 | 2.82848 | 45.51152 | 33.34344 | -0.10665 | 49.57665 | 43.70566 | 10.25557 | 31.95443 |
| 2/2/2025 | 8:00:00 AM | 33.4434 | 52.41439 | 18.97099 | 28.40901 | 36.27857 | 2.83517 | 45.50483 | 33.33618 | -0.10722 | 49.57722 | 43.68781 | 10.24441 | 31.96559 |
| 2/2/2025 | 9:00:00 AM | 33.44675 | 52.41439 | 18.96764 | 28.41236 | 36.26783 | 2.82108 | 45.51892 | 33.32891 | -0.11784 | 49.58784 | 43.69495 | 10.2482 | 31.9618 |
| 2/2/2025 | 10:00:00 AM | 33.43003 | 52.37148 | 18.94145 | 28.43855 | 36.27141 | 2.84138 | 45.49862 | 33.32527 | -0.10476 | 49.57476 | 43.69852 | 10.26849 | 31.94151 |
| 2/2/2025 | 11:00:00 AM | 33.43672 | 52.37863 | 18.94191 | 28.43809 | 36.27141 | 2.83469 | 45.50531 | 33.33254 | -0.10418 | 49.57418 | 43.69495 | 10.25823 | 31.95177 |
| 2/2/2025 | 12:00:00 PM | 33.4434 | 52.38578 | 18.94238 | 28.43762 | 36.26425 | 2.82085 | 45.51915 | 33.33618 | -0.10722 | 49.57722 | 43.69852 | 10.25512 | 31.95488 |
| 2/2/2025 | 1:00:00 PM | 33.43672 | 52.37505 | 18.93833 | 28.44167 | 36.2571 | 2.82038 | 45.51962 | 33.33254 | -0.10418 | 49.57418 | 43.67709 | 10.24037 | 31.96963 |
| 2/2/2025 | 2:00:00 PM | 33.4434 | 52.36433 | 18.92093 | 28.45907 | 36.24994 | 2.80654 | 45.53346 | 33.32891 | -0.11449 | 49.58449 | 43.67352 | 10.23012 | 31.97988 |
| 2/2/2025 | 3:00:00 PM | 33.4434 | 52.3679 | 18.9245 | 28.4555 | 36.25352 | 2.81012 | 45.52988 | 33.32164 | -0.12176 | 49.59176 | 43.88066 | 10.43726 | 31.77274 |
| 2/2/2025 | 4:00:00 PM | 33.44675 | 52.38221 | 18.93546 | 28.44454 | 36.25352 | 2.80677 | 45.53323 | 33.33254 | -0.11421 | 49.58421 | 43.9628 | 10.51605 | 31.69395 |
| 2/2/2025 | 5:00:00 PM | 33.45009 | 52.38578 | 18.93569 | 28.44431 | 36.25352 | 2.80343 | 45.53657 | 33.32891 | -0.12118 | 49.59118 | 43.97708 | 10.52699 | 31.68301 |
| 2/2/2025 | 6:00:00 PM | 33.45009 | 52.39651 | 18.94642 | 28.43358 | 36.24278 | 2.79269 | 45.54731 | 33.33618 | -0.11391 | 49.58391 | 43.99851 | 10.54842 | 31.66158 |
| 2/2/2025 | 7:00:00 PM | 33.45678 | 52.40724 | 18.95046 | 28.42954 | 36.24636 | 2.78958 | 45.55042 | 33.33981 | -0.11697 | 49.58697 | 44.06994 | 10.61316 | 31.59684 |
| 2/2/2025 | 8:00:00 PM | 33.46012 | 52.43227 | 18.97215 | 28.40785 | 36.24278 | 2.78266 | 45.55734 | 33.35798 | -0.10214 | 49.57214 | 44.20922 | 10.7491 | 31.4609 |
| 2/2/2025 | 9:00:00 PM | 33.47016 | 52.443 | 18.97284 | 28.40716 | 36.24636 | 2.7762 | 45.5638 | 33.36525 | -0.10491 | 49.57491 | 44.25565 | 10.78549 | 31.42451 |
| 2/2/2025 | 10:00:00 PM | 33.4735 | 52.47876 | 19.00526 | 28.37474 | 36.24636 | 2.77286 | 45.56714 | 33.38342 | -0.09008 | 49.56008 | 44.30922 | 10.83572 | 31.37428 |
| 2/2/2025 | 11:00:00 PM | 33.4735 | 52.47876 | 19.00526 | 28.37474 | 36.25352 | 2.78002 | 45.55998 | 33.39069 | -0.08281 | 49.55281 | 44.34493 | 10.87143 | 31.33857 |
| 2/3/2025 | 12:00:00 AM | 33.47684 | 52.49664 | 19.0198 | 28.3602 | 36.25352 | 2.77668 | 45.56332 | 33.39432 | -0.08252 | 49.55252 | 44.36636 | 10.88952 | 31.32048 |
| 2/3/2025 | 1:00:00 AM | 33.47684 | 52.50022 | 19.02338 | 28.35662 | 36.2571 | 2.78026 | 45.55974 | 33.40159 | -0.07525 | 49.54525 | 44.35564 | 10.8788 | 31.3312 |
| 2/3/2025 | 2:00:00 AM | 33.48019 | 52.49664 | 19.01645 | 28.36355 | 36.2571 | 2.77691 | 45.56309 | 33.40522 | -0.07497 | 49.54497 | 44.34493 | 10.86474 | 31.34526 |
| 2/3/2025 | 3:00:00 AM | 33.4735 | 52.50022 | 19.02672 | 28.35328 | 36.26068 | 2.78718 | 45.55282 | 33.40522 | -0.06828 | 49.53828 | 44.32707 | 10.85357 | 31.35643 |
| 2/3/2025 | 4:00:00 AM | 33.45344 | 52.4573 | 19.00386 | 28.37614 | 36.26068 | 2.80724 | 45.53276 | 33.40159 | -0.05185 | 49.52185 | 44.25565 | 10.80221 | 31.40779 |
| 2/3/2025 | 5:00:00 AM | 33.45678 | 52.4573 | 19.00052 | 28.37948 | 36.27141 | 2.81463 | 45.52537 | 33.39432 | -0.06246 | 49.53246 | 44.23065 | 10.77387 | 31.43613 |
| 2/3/2025 | 6:00:00 AM | 33.45009 | 52.44658 | 18.99649 | 28.38351 | 36.27141 | 2.82132 | 45.51868 | 33.39432 | -0.05577 | 49.52577 | 44.20922 | 10.75913 | 31.45087 |
| 2/3/2025 | 7:00:00 AM | 33.44675 | 52.45015 | 19.0034 | 28.3766 | 36.27141 | 2.82466 | 45.51534 | 33.38705 | -0.0597 | 49.5297 | 44.2235 | 10.77675 | 31.43325 |
| 2/3/2025 | 8:00:00 AM | 33.4434 | 52.4287 | 18.9853 | 28.3947 | 36.27857 | 2.83517 | 45.50483 | 33.37615 | -0.06725 | 49.53725 | 44.19136 | 10.74796 | 31.46204 |
| 2/3/2025 | 9:00:00 AM | 33.44675 | 52.4287 | 18.98195 | 28.39805 | 36.26783 | 2.82108 | 45.51892 | 33.37615 | -0.0706 | 49.5406 | 44.19493 | 10.74818 | 31.46182 |
| 2/3/2025 | 10:00:00 AM | 33.44675 | 52.42512 | 18.97837 | 28.40163 | 36.27141 | 2.82466 | 45.51534 | 33.35798 | -0.08877 | 49.55877 | 44.18422 | 10.73747 | 31.47253 |
| 2/3/2025 | 11:00:00 AM | 33.45344 | 52.43585 | 18.98241 | 28.39759 | 36.27141 | 2.81797 | 45.52203 | 33.36161 | -0.09183 | 49.56183 | 44.1985 | 10.74506 | 31.46494 |
| 2/3/2025 | 12:00:00 PM | 33.45009 | 52.41797 | 18.96788 | 28.41212 | 36.26783 | 2.81774 | 45.52226 | 33.35798 | -0.09211 | 49.56211 | 44.14136 | 10.69127 | 31.51873 |
| 2/3/2025 | 1:00:00 PM | 33.45344 | 52.40366 | 18.95022 | 28.42978 | 36.27141 | 2.81797 | 45.52203 | 33.34708 | -0.10636 | 49.57636 | 44.08422 | 10.63078 | 31.57922 |
| 2/3/2025 | 2:00:00 PM | 33.44675 | 52.38936 | 18.94261 | 28.43739 | 36.27141 | 2.82466 | 45.51534 | 33.33254 | -0.11421 | 49.58421 | 44.05922 | 10.61247 | 31.59753 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/3/2025 | 3:00:00 PM | 33.43672 | 52.37505 | 18.93833 | 28.44167 | 36.27141 | 2.83469 | 45.50531 | 33.318 | -0.11872 | 49.58872 | 44.0128 | 10.57608 | 31.63392 |
| 2/3/2025 | 4:00:00 PM | 33.39324 | 52.28208 | 18.88884 | 28.49116 | 36.2571 | 2.86386 | 45.47614 | 33.2962 | -0.09704 | 49.56704 | 43.98423 | 10.59099 | 31.61901 |
| 2/3/2025 | 5:00:00 PM | 33.39324 | 52.28208 | 18.88884 | 28.49116 | 36.25352 | 2.86028 | 45.47972 | 33.30347 | -0.08977 | 49.55977 | 43.97708 | 10.58384 | 31.62616 |
| 2/3/2025 | 6:00:00 PM | 33.3899 | 52.29281 | 18.90291 | 28.47709 | 36.24636 | 2.85646 | 45.48354 | 33.29257 | -0.09733 | 49.56733 | 43.97708 | 10.58718 | 31.62282 |
| 2/3/2025 | 7:00:00 PM | 33.3899 | 52.29638 | 18.90648 | 28.47352 | 36.24278 | 2.85288 | 45.48712 | 33.28893 | -0.10097 | 49.57097 | 43.98423 | 10.59433 | 31.61567 |
| 2/3/2025 | 8:00:00 PM | 33.39659 | 52.29638 | 18.89979 | 28.48021 | 36.24278 | 2.84619 | 45.49381 | 33.29257 | -0.10402 | 49.57402 | 43.9628 | 10.56621 | 31.64379 |
| 2/3/2025 | 9:00:00 PM | 33.38656 | 52.28923 | 18.90267 | 28.47733 | 36.22846 | 2.8419 | 45.4981 | 33.2853 | -0.10126 | 49.57126 | 43.94137 | 10.55481 | 31.65519 |
| 2/3/2025 | 10:00:00 PM | 33.38656 | 52.29638 | 18.90982 | 28.47018 | 36.23204 | 2.84548 | 45.49452 | 33.27803 | -0.10853 | 49.57853 | 43.94494 | 10.55838 | 31.65162 |
| 2/3/2025 | 11:00:00 PM | 33.39324 | 52.30711 | 18.91387 | 28.46613 | 36.23204 | 2.8388 | 45.5012 | 33.28893 | -0.10431 | 49.57431 | 43.97351 | 10.58027 | 31.62973 |
| 2/4/2025 | 12:00:00 AM | 33.38656 | 52.31069 | 18.92413 | 28.45587 | 36.22846 | 2.8419 | 45.4981 | 33.28893 | -0.09763 | 49.56763 | 43.95923 | 10.57267 | 31.63733 |
| 2/4/2025 | 1:00:00 AM | 33.38321 | 52.30711 | 18.9239 | 28.4561 | 36.22488 | 2.84167 | 45.49833 | 33.29257 | -0.09064 | 49.56064 | 43.94851 | 10.5653 | 31.6447 |
| 2/4/2025 | 2:00:00 AM | 33.39324 | 52.32499 | 18.93175 | 28.44825 | 36.21772 | 2.82448 | 45.51552 | 33.29257 | -0.10067 | 49.57067 | 43.97708 | 10.58384 | 31.62616 |
| 2/4/2025 | 3:00:00 AM | 33.39993 | 52.34645 | 18.94652 | 28.43348 | 36.21414 | 2.81421 | 45.52579 | 33.3071 | -0.09283 | 49.56283 | 44.02351 | 10.62358 | 31.58642 |
| 2/4/2025 | 4:00:00 AM | 33.40662 | 52.36075 | 18.95413 | 28.42587 | 36.21772 | 2.8111 | 45.5289 | 33.31437 | -0.09225 | 49.56225 | 44.03422 | 10.6276 | 31.5824 |
| 2/4/2025 | 5:00:00 AM | 33.39993 | 52.3536 | 18.95367 | 28.42633 | 36.2213 | 2.82137 | 45.51863 | 33.32164 | -0.07829 | 49.54829 | 44.0378 | 10.63787 | 31.57213 |
| 2/4/2025 | 6:00:00 AM | 33.39659 | 52.35717 | 18.96058 | 28.41942 | 36.21772 | 2.82113 | 45.51887 | 33.32891 | -0.06768 | 49.53768 | 44.03065 | 10.63406 | 31.57594 |
| 2/4/2025 | 7:00:00 AM | 33.40662 | 52.38936 | 18.98274 | 28.39726 | 36.21772 | 2.8111 | 45.5289 | 33.32891 | -0.07771 | 49.54771 | 44.04137 | 10.63475 | 31.57525 |
| 2/4/2025 | 8:00:00 AM | 33.40662 | 52.38936 | 18.98274 | 28.39726 | 36.2213 | 2.81468 | 45.52532 | 33.33981 | -0.06681 | 49.53681 | 44.05208 | 10.64546 | 31.56454 |
| 2/4/2025 | 9:00:00 AM | 33.41331 | 52.41082 | 18.99751 | 28.38249 | 36.2213 | 2.80799 | 45.53201 | 33.34708 | -0.06623 | 49.53623 | 44.08065 | 10.66734 | 31.54266 |
| 2/4/2025 | 10:00:00 AM | 33.3899 | 52.36433 | 18.97443 | 28.40557 | 36.21772 | 2.82782 | 45.51218 | 33.35071 | -0.03919 | 49.50919 | 44.08779 | 10.69789 | 31.51211 |
| 2/4/2025 | 11:00:00 AM | 33.39324 | 52.35717 | 18.96393 | 28.41607 | 36.22488 | 2.83164 | 45.50836 | 33.35798 | -0.03526 | 49.50526 | 44.07708 | 10.68384 | 31.52616 |
| 2/4/2025 | 12:00:00 PM | 33.40662 | 52.33929 | 18.93267 | 28.44733 | 36.2213 | 2.81468 | 45.52532 | 33.33981 | -0.06681 | 49.53681 | 43.95923 | 10.55261 | 31.65739 |
| 2/4/2025 | 1:00:00 PM | 33.43003 | 52.31069 | 18.88066 | 28.49934 | 36.23204 | 2.80201 | 45.53799 | 33.33981 | -0.09022 | 49.56022 | 43.89494 | 10.46491 | 31.74509 |
| 2/4/2025 | 2:00:00 PM | 33.45344 | 52.31784 | 18.8644 | 28.5156 | 36.22488 | 2.77144 | 45.56856 | 33.31437 | -0.13907 | 49.60907 | 43.85209 | 10.39865 | 31.81135 |
| 2/4/2025 | 3:00:00 PM | 33.43337 | 52.30711 | 18.87374 | 28.50626 | 36.22488 | 2.79151 | 45.54849 | 33.29983 | -0.13354 | 49.60354 | 43.82709 | 10.39372 | 31.81628 |
| 2/4/2025 | 4:00:00 PM | 33.42 | 52.30353 | 18.88353 | 28.49647 | 36.23562 | 2.81562 | 45.52438 | 33.28893 | -0.13107 | 49.60107 | 43.80923 | 10.38923 | 31.82077 |
| 2/4/2025 | 5:00:00 PM | 33.39993 | 52.29996 | 18.90003 | 28.47997 | 36.2213 | 2.82137 | 45.51863 | 33.28893 | -0.111 | 49.581 | 43.79852 | 10.39859 | 31.81141 |
| 2/4/2025 | 6:00:00 PM | 33.36984 | 52.24274 | 18.8729 | 28.5071 | 36.21772 | 2.84788 | 45.49212 | 33.27076 | -0.09908 | 49.56908 | 43.76995 | 10.40011 | 31.80989 |
| 2/4/2025 | 7:00:00 PM | 33.36315 | 52.24274 | 18.87959 | 28.50041 | 36.21772 | 2.85457 | 45.48543 | 33.26349 | -0.09966 | 49.56966 | 43.75923 | 10.39608 | 31.81392 |
| 2/4/2025 | 8:00:00 PM | 33.3598 | 52.24989 | 18.89009 | 28.48991 | 36.21414 | 2.85434 | 45.48566 | 33.25986 | -0.09994 | 49.56994 | 43.75923 | 10.39943 | 31.81057 |
| 2/4/2025 | 9:00:00 PM | 33.3598 | 52.25347 | 18.89367 | 28.48633 | 36.2034 | 2.8436 | 45.4964 | 33.26713 | -0.09267 | 49.56267 | 43.76995 | 10.41015 | 31.79985 |
| 2/4/2025 | 10:00:00 PM | 33.35646 | 52.25704 | 18.90058 | 28.47942 | 36.2034 | 2.84694 | 45.49306 | 33.26713 | -0.08933 | 49.55933 | 43.77709 | 10.42063 | 31.78937 |
| 2/4/2025 | 11:00:00 PM | 33.36315 | 52.29281 | 18.92966 | 28.45034 | 36.19982 | 2.83667 | 45.50333 | 33.26349 | -0.09966 | 49.56966 | 43.78423 | 10.42108 | 31.78892 |
| 2/5/2025 | 12:00:00 AM | 33.36984 | 52.30353 | 18.93369 | 28.44631 | 36.19624 | 2.8264 | 45.5136 | 33.26349 | -0.10635 | 49.57635 | 43.79138 | 10.42154 | 31.78846 |
| 2/5/2025 | 1:00:00 AM | 33.37318 | 52.30353 | 18.93035 | 28.44965 | 36.19624 | 2.82306 | 45.51694 | 33.26713 | -0.10605 | 49.57605 | 43.7878 | 10.41462 | 31.79538 |
| 2/5/2025 | 2:00:00 AM | 33.37987 | 52.32499 | 18.94512 | 28.43488 | 36.19624 | 2.81637 | 45.52363 | 33.27439 | -0.10548 | 49.57548 | 43.83066 | 10.45079 | 31.75921 |
| 2/5/2025 | 3:00:00 AM | 33.38656 | 52.33929 | 18.95273 | 28.42727 | 36.19624 | 2.80968 | 45.53032 | 33.2962 | -0.09036 | 49.56036 | 43.86994 | 10.48338 | 31.72662 |
| 2/5/2025 | 4:00:00 AM | 33.38321 | 52.35002 | 18.96681 | 28.41319 | 36.19266 | 2.80945 | 45.53055 | 33.29983 | -0.08338 | 49.55338 | 43.88423 | 10.50102 | 31.70898 |
| 2/5/2025 | 5:00:00 AM | 33.39324 | 52.37505 | 18.98181 | 28.39819 | 36.19624 | 2.803 | 45.537 | 33.318 | -0.07524 | 49.54524 | 43.93066 | 10.53742 | 31.67258 |
| 2/5/2025 | 6:00:00 AM | 33.40328 | 52.39651 | 18.99323 | 28.38677 | 36.2034 | 2.80012 | 45.53988 | 33.33981 | -0.06347 | 49.53347 | 43.9628 | 10.55952 | 31.65048 |
| 2/5/2025 | 7:00:00 AM | 33.40662 | 52.41082 | 19.0042 | 28.3758 | 36.20698 | 2.80036 | 45.53964 | 33.34708 | -0.05954 | 49.52954 | 43.99137 | 10.58475 | 31.62525 |
| 2/5/2025 | 8:00:00 AM | 33.42334 | 52.43585 | 19.01251 | 28.36749 | 36.20698 | 2.78364 | 45.55636 | 33.36888 | -0.05446 | 49.52446 | 44.0378 | 10.61446 | 31.59554 |
| 2/5/2025 | 9:00:00 AM | 33.44006 | 52.48234 | 19.04228 | 28.33772 | 36.21414 | 2.77408 | 45.56592 | 33.37979 | -0.06027 | 49.53027 | 44.04851 | 10.60845 | 31.60155 |
| 2/5/2025 | 10:00:00 AM | 33.4434 | 52.47876 | 19.03536 | 28.34464 | 36.21414 | 2.77074 | 45.56926 | 33.38342 | -0.05998 | 49.52998 | 44.05565 | 10.61225 | 31.59775 |
| 2/5/2025 | 11:00:00 AM | 33.44675 | 52.50379 | 19.05704 | 28.32296 | 36.2213 | 2.77455 | 45.56545 | 33.40522 | -0.04153 | 49.51153 | 44.09137 | 10.64462 | 31.56538 |
| 2/5/2025 | 12:00:00 PM | 33.43337 | 52.443 | 19.00963 | 28.37037 | 36.23562 | 2.80225 | 45.53775 | 33.40886 | -0.02451 | 49.49451 | 44.07708 | 10.64371 | 31.56629 |
| 2/5/2025 | 1:00:00 PM | 33.43672 | 52.43227 | 18.99555 | 28.38445 | 36.2392 | 2.80248 | 45.53752 | 33.40886 | -0.02786 | 49.49786 | 44.04494 | 10.60822 | 31.60178 |
| 2/5/2025 | 2:00:00 PM | 33.43337 | 52.41797 | 18.9846 | 28.3954 | 36.24278 | 2.80941 | 45.53059 | 33.39796 | -0.03541 | 49.50541 | 44.00923 | 10.57586 | 31.63414 |
| 2/5/2025 | 3:00:00 PM | 33.43003 | 52.43585 | 19.00582 | 28.37418 | 36.24636 | 2.81633 | 45.52367 | 33.41249 | -0.01754 | 49.48754 | 44.0628 | 10.63277 | 31.57723 |
| 2/5/2025 | 4:00:00 PM | 33.43337 | 52.43227 | 18.9989 | 28.3811 | 36.25352 | 2.82015 | 45.51985 | 33.41613 | -0.01724 | 49.48724 | 44.05922 | 10.62585 | 31.58415 |
| 2/5/2025 | 5:00:00 PM | 33.42668 | 52.42154 | 18.99486 | 28.38514 | 36.26425 | 2.83757 | 45.50243 | 33.41249 | -0.01419 | 49.48419 | 44.02351 | 10.59683 | 31.61317 |
| 2/5/2025 | 6:00:00 PM | 33.43672 | 52.43227 | 18.99555 | 28.38445 | 36.26068 | 2.82396 | 45.51604 | 33.4234 | -0.01332 | 49.48332 | 44.03065 | 10.59393 | 31.61607 |
| 2/5/2025 | 7:00:00 PM | 33.43337 | 52.45373 | 19.02036 | 28.35964 | 36.27141 | 2.83804 | 45.50196 | 33.42703 | -0.00634 | 49.47634 | 44.05565 | 10.62228 | 31.58772 |
| 2/5/2025 | 8:00:00 PM | 33.4434 | 52.46803 | 19.02463 | 28.35537 | 36.27499 | 2.83159 | 45.50841 | 33.44157 | -0.00183 | 49.47183 | 44.06994 | 10.62654 | 31.58346 |
| 2/5/2025 | 9:00:00 PM | 33.45009 | 52.48234 | 19.03225 | 28.34775 | 36.27857 | 2.82848 | 45.51152 | 33.44157 | -0.00852 | 49.47852 | 44.08422 | 10.63413 | 31.57587 |
| 2/5/2025 | 10:00:00 PM | 33.48353 | 52.50737 | 19.02384 | 28.35616 | 36.28573 | 2.8022 | 45.5378 | 33.46337 | -0.02016 | 49.49016 | 44.10922 | 10.62569 | 31.58431 |
| 2/5/2025 | 11:00:00 PM | 33.47684 | 52.51095 | 19.03411 | 28.34589 | 36.29647 | 2.81963 | 45.52037 | 33.47064 | -0.0062 | 49.4762 | 44.10565 | 10.62881 | 31.58119 |
| 2/6/2025 | 12:00:00 AM | 33.48019 | 52.52525 | 19.04506 | 28.33494 | 36.30363 | 2.82344 | 45.51656 | 33.48518 | 0.00499 | 49.46501 | 44.12351 | 10.64332 | 31.56668 |
| 2/6/2025 | 1:00:00 AM | 33.49022 | 52.54313 | 19.05291 | 28.32709 | 36.30721 | 2.81699 | 45.52301 | 33.50335 | 0.01313 | 49.45687 | 44.13065 | 10.64043 | 31.56957 |
| 2/6/2025 | 2:00:00 AM | 33.527 | 52.56101 | 19.03401 | 28.34599 | 36.31795 | 2.79095 | 45.54905 | 33.51061 | -0.01639 | 49.48639 | 44.14494 | 10.61794 | 31.59206 |
| 2/6/2025 | 3:00:00 AM | 33.55376 | 52.58247 | 19.02871 | 28.35129 | 36.32869 | 2.77493 | 45.56507 | 33.52879 | -0.02497 | 49.49497 | 44.17351 | 10.61975 | 31.59025 |
| 2/6/2025 | 4:00:00 AM | 33.56379 | 52.58962 | 19.02583 | 28.35417 | 36.33585 | 2.77206 | 45.56794 | 33.53605 | -0.02774 | 49.49774 | 44.17351 | 10.60972 | 31.60028 |
| 2/6/2025 | 5:00:00 AM | 33.55376 | 52.60035 | 19.04659 | 28.33341 | 36.343 | 2.78924 | 45.55076 | 33.55059 | -0.00317 | 49.47317 | 44.18422 | 10.63046 | 31.57954 |
| 2/6/2025 | 6:00:00 AM | 33.56044 | 52.60392 | 19.04348 | 28.33652 | 36.35016 | 2.78972 | 45.55028 | 33.55422 | -0.00622 | 49.47622 | 44.16993 | 10.60949 | 31.60051 |
| 2/6/2025 | 7:00:00 AM | 33.58051 | 52.60392 | 19.02341 | 28.35659 | 36.3609 | 2.78039 | 45.55961 | 33.55422 | -0.02629 | 49.49629 | 44.16993 | 10.58942 | 31.62058 |
| 2/6/2025 | 8:00:00 AM | 33.58385 | 52.61108 | 19.02723 | 28.35277 | 36.36806 | 2.78421 | 45.55579 | 33.56149 | -0.02236 | 49.49236 | 44.16279 | 10.57894 | 31.63106 |
| 2/6/2025 | 9:00:00 AM | 33.59054 | 52.6218 | 19.03126 | 28.34874 | 36.3788 | 2.78826 | 45.55174 | 33.5724 | -0.01814 | 49.48814 | 44.18422 | 10.59368 | 31.61632 |
| 2/6/2025 | 10:00:00 AM | 33.59388 | 52.63968 | 19.0458 | 28.3342 | 36.38596 | 2.79208 | 45.54792 | 33.5833 | -0.01058 | 49.48058 | 44.19493 | 10.60105 | 31.60895 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/6/2025 | 11:00:00 AM | 33.59054 | 52.63253 | 19.04199 | 28.33801 | 36.3967 | 2.80616 | 45.53384 | 33.59057 | 3E-05 | 49.46997 | 44.19136 | 10.60082 | 31.60918 |
| 2/6/2025 | 12:00:00 PM | 33.58051 | 52.6218 | 19.04129 | 28.33871 | 36.40028 | 2.81977 | 45.52023 | 33.5833 | 0.00279 | 49.46721 | 44.16279 | 10.58228 | 31.62772 |
| 2/6/2025 | 1:00:00 PM | 33.59054 | 52.6075 | 19.01696 | 28.36304 | 36.40386 | 2.81332 | 45.52668 | 33.56876 | -0.02178 | 49.49178 | 44.11279 | 10.52225 | 31.68775 |
| 2/6/2025 | 2:00:00 PM | 33.58051 | 52.57174 | 18.99123 | 28.38877 | 36.41102 | 2.83051 | 45.50949 | 33.56149 | -0.01902 | 49.48902 | 44.07708 | 10.49657 | 31.71343 |
| 2/6/2025 | 3:00:00 PM | 33.57382 | 52.56459 | 18.99077 | 28.38923 | 36.4146 | 2.84078 | 45.49922 | 33.53969 | -0.03413 | 49.50413 | 44.04137 | 10.46755 | 31.74245 |
| 2/6/2025 | 4:00:00 PM | 33.57048 | 52.54313 | 18.97265 | 28.40735 | 36.4146 | 2.84412 | 45.49588 | 33.52879 | -0.04169 | 49.51169 | 44.00565 | 10.43517 | 31.77483 |
| 2/6/2025 | 5:00:00 PM | 33.56713 | 52.54313 | 18.976 | 28.404 | 36.41817 | 2.85104 | 45.48896 | 33.51425 | -0.05288 | 49.52288 | 43.97351 | 10.40638 | 31.80362 |
| 2/6/2025 | 6:00:00 PM | 33.5571 | 52.52883 | 18.97173 | 28.40827 | 36.41817 | 2.86107 | 45.47893 | 33.50335 | -0.05375 | 49.52375 | 43.94851 | 10.39141 | 31.81859 |
| 2/6/2025 | 7:00:00 PM | 33.54707 | 52.51452 | 18.96745 | 28.41255 | 36.41102 | 2.86395 | 45.47605 | 33.48881 | -0.05826 | 49.52826 | 43.90566 | 10.35859 | 31.85141 |
| 2/6/2025 | 8:00:00 PM | 33.54038 | 52.52883 | 18.98845 | 28.39155 | 36.41102 | 2.87064 | 45.46936 | 33.49608 | -0.0443 | 49.5143 | 43.89137 | 10.35099 | 31.85901 |
| 2/6/2025 | 9:00:00 PM | 33.54372 | 52.52525 | 18.98153 | 28.39847 | 36.40386 | 2.86014 | 45.47986 | 33.48518 | -0.05854 | 49.52854 | 43.86994 | 10.32622 | 31.88378 |
| 2/6/2025 | 10:00:00 PM | 33.54038 | 52.5324 | 18.99202 | 28.38798 | 36.41102 | 2.87064 | 45.46936 | 33.49244 | -0.04794 | 49.51794 | 43.86637 | 10.32599 | 31.88401 |
| 2/6/2025 | 11:00:00 PM | 33.54038 | 52.52525 | 18.98487 | 28.39513 | 36.40744 | 2.86706 | 45.47294 | 33.48154 | -0.05884 | 49.52884 | 43.85209 | 10.31171 | 31.89829 |
| 2/7/2025 | 12:00:00 AM | 33.53704 | 52.52883 | 18.99179 | 28.38821 | 36.40386 | 2.86682 | 45.47318 | 33.48154 | -0.0555 | 49.5255 | 43.85923 | 10.32219 | 31.88781 |
| 2/7/2025 | 1:00:00 AM | 33.53704 | 52.52883 | 18.99179 | 28.38821 | 36.40386 | 2.86682 | 45.47318 | 33.47791 | -0.05913 | 49.52913 | 43.84852 | 10.31148 | 31.89852 |
| 2/7/2025 | 2:00:00 AM | 33.53035 | 52.52525 | 18.9949 | 28.3851 | 36.40028 | 2.86993 | 45.47007 | 33.47791 | -0.05244 | 49.52244 | 43.84137 | 10.31102 | 31.89898 |
| 2/7/2025 | 3:00:00 AM | 33.54038 | 52.53598 | 18.9956 | 28.3844 | 36.3967 | 2.85632 | 45.48368 | 33.47064 | -0.06974 | 49.53974 | 43.84852 | 10.30814 | 31.90186 |
| 2/7/2025 | 4:00:00 AM | 33.527 | 52.52883 | 19.00183 | 28.37817 | 36.3967 | 2.8697 | 45.4703 | 33.47791 | -0.04909 | 49.51909 | 43.84852 | 10.32152 | 31.88848 |
| 2/7/2025 | 5:00:00 AM | 33.53704 | 52.56101 | 19.02397 | 28.35603 | 36.3967 | 2.85966 | 45.48034 | 33.50335 | -0.03369 | 49.50369 | 43.8628 | 10.32576 | 31.88424 |
| 2/7/2025 | 6:00:00 AM | 33.54372 | 52.58247 | 19.03875 | 28.34125 | 36.40744 | 2.86372 | 45.47628 | 33.51425 | -0.02947 | 49.49947 | 43.86637 | 10.32265 | 31.88735 |
| 2/7/2025 | 7:00:00 AM | 33.5571 | 52.61108 | 19.05398 | 28.32602 | 36.40386 | 2.84676 | 45.49324 | 33.52879 | -0.02831 | 49.49831 | 43.88066 | 10.32356 | 31.88644 |
| 2/7/2025 | 8:00:00 AM | 33.57048 | 52.64684 | 19.07636 | 28.30364 | 36.38954 | 2.81906 | 45.52094 | 33.55422 | -0.01626 | 49.48626 | 43.89852 | 10.32804 | 31.88196 |
| 2/7/2025 | 9:00:00 AM | 33.60726 | 52.69332 | 19.08606 | 28.29394 | 36.35374 | 2.74648 | 45.59352 | 33.57966 | -0.0276 | 49.4976 | 43.91994 | 10.31268 | 31.89732 |
| 2/7/2025 | 10:00:00 AM | 33.65408 | 52.70763 | 19.05355 | 28.32645 | 36.27499 | 2.62091 | 45.71909 | 33.6051 | -0.04898 | 49.51898 | 43.94137 | 10.28729 | 31.92271 |
| 2/7/2025 | 11:00:00 AM | 33.69086 | 52.73624 | 19.04538 | 28.33462 | 36.24994 | 2.55908 | 45.78092 | 33.63781 | -0.05305 | 49.52305 | 43.96637 | 10.27551 | 31.93449 |
| 2/7/2025 | 12:00:00 PM | 33.72096 | 52.75769 | 19.03673 | 28.34327 | 36.23562 | 2.51466 | 45.82534 | 33.65598 | -0.06498 | 49.53498 | 44.01994 | 10.29898 | 31.91102 |
| 2/7/2025 | 1:00:00 PM | 33.75105 | 52.77915 | 19.0281 | 28.3519 | 36.22488 | 2.47383 | 45.86617 | 33.66688 | -0.08417 | 49.55417 | 44.0628 | 10.31175 | 31.89825 |
| 2/7/2025 | 2:00:00 PM | 33.74102 | 52.72909 | 18.98807 | 28.39193 | 36.21056 | 2.46954 | 45.87046 | 33.69596 | -0.04506 | 49.51506 | 44.05565 | 10.31463 | 31.89537 |
| 2/7/2025 | 3:00:00 PM | 33.75774 | 52.73981 | 18.98207 | 28.39793 | 36.19982 | 2.44208 | 45.89792 | 33.70686 | -0.05088 | 49.52088 | 44.0628 | 10.30506 | 31.90494 |
| 2/7/2025 | 4:00:00 PM | 33.7778 | 52.76842 | 18.99062 | 28.38938 | 36.2034 | 2.4256 | 45.9144 | 33.72503 | -0.05277 | 49.52277 | 44.08422 | 10.30642 | 31.90358 |
| 2/7/2025 | 5:00:00 PM | 33.78784 | 52.77557 | 18.98773 | 28.39227 | 36.2034 | 2.41556 | 45.92444 | 33.7432 | -0.04464 | 49.51464 | 44.09494 | 10.3071 | 31.9029 |
| 2/7/2025 | 6:00:00 PM | 33.79787 | 52.78988 | 18.99201 | 28.38799 | 36.19982 | 2.40195 | 45.93805 | 33.7541 | -0.04377 | 49.51377 | 44.10208 | 10.30421 | 31.90579 |
| 2/7/2025 | 7:00:00 PM | 33.82796 | 52.82922 | 19.00126 | 28.37874 | 36.19982 | 2.37186 | 45.96814 | 33.76501 | -0.06295 | 49.53295 | 44.11279 | 10.28483 | 31.92517 |
| 2/7/2025 | 8:00:00 PM | 33.83465 | 52.83637 | 19.00172 | 28.37828 | 36.19624 | 2.36159 | 45.97841 | 33.77954 | -0.05511 | 49.52511 | 44.12708 | 10.29243 | 31.91757 |
| 2/7/2025 | 9:00:00 PM | 33.82796 | 52.8471 | 19.01914 | 28.36086 | 36.2034 | 2.37544 | 45.96456 | 33.79045 | -0.03751 | 49.50751 | 44.14136 | 10.3134 | 31.8966 |
| 2/7/2025 | 10:00:00 PM | 33.83131 | 52.85067 | 19.01936 | 28.36064 | 36.19982 | 2.36851 | 45.97149 | 33.79045 | -0.04086 | 49.51086 | 44.14851 | 10.3172 | 31.8928 |
| 2/7/2025 | 11:00:00 PM | 33.84134 | 52.8614 | 19.02006 | 28.35994 | 36.19982 | 2.35848 | 45.98152 | 33.80135 | -0.03999 | 49.50999 | 44.16636 | 10.32502 | 31.88498 |
| 2/8/2025 | 12:00:00 AM | 33.85472 | 52.87928 | 19.02456 | 28.35544 | 36.20698 | 2.35226 | 45.98774 | 33.80862 | -0.0461 | 49.5161 | 44.17351 | 10.31879 | 31.89121 |
| 2/8/2025 | 1:00:00 AM | 33.85137 | 52.87213 | 19.02076 | 28.35924 | 36.20698 | 2.35561 | 45.98439 | 33.80862 | -0.04275 | 49.51275 | 44.16993 | 10.31856 | 31.89144 |
| 2/8/2025 | 2:00:00 AM | 33.84468 | 52.82922 | 18.98454 | 28.39546 | 36.21056 | 2.36588 | 45.97412 | 33.81225 | -0.03243 | 49.50243 | 44.17708 | 10.3324 | 31.8776 |
| 2/8/2025 | 3:00:00 AM | 33.84803 | 52.82564 | 18.97761 | 28.40239 | 36.21414 | 2.36611 | 45.97389 | 33.81225 | -0.03578 | 49.50578 | 44.18065 | 10.33262 | 31.87738 |
| 2/8/2025 | 4:00:00 AM | 33.84468 | 52.83279 | 18.98811 | 28.39189 | 36.20698 | 2.3623 | 45.9777 | 33.81225 | -0.03243 | 49.50243 | 44.18422 | 10.33954 | 31.87046 |
| 2/8/2025 | 5:00:00 AM | 33.85137 | 52.82922 | 18.97785 | 28.40215 | 36.2034 | 2.35203 | 45.98797 | 33.81952 | -0.03185 | 49.50185 | 44.18779 | 10.33642 | 31.87358 |
| 2/8/2025 | 6:00:00 AM | 33.84803 | 52.83994 | 18.99191 | 28.38809 | 36.21056 | 2.36253 | 45.97747 | 33.81952 | -0.02851 | 49.49851 | 44.19493 | 10.3469 | 31.8631 |
| 2/8/2025 | 7:00:00 AM | 33.85137 | 52.84352 | 18.99215 | 28.38785 | 36.21414 | 2.36277 | 45.97723 | 33.81588 | -0.03549 | 49.50549 | 44.1985 | 10.34713 | 31.86287 |
| 2/8/2025 | 8:00:00 AM | 33.87478 | 52.8614 | 18.98662 | 28.39338 | 36.20698 | 2.3322 | 46.0078 | 33.83406 | -0.04072 | 49.51072 | 44.20922 | 10.33444 | 31.87556 |
| 2/8/2025 | 9:00:00 AM | 33.88481 | 52.88286 | 18.99805 | 28.38195 | 36.22846 | 2.34365 | 45.99635 | 33.84859 | -0.03622 | 49.50622 | 44.21636 | 10.33155 | 31.87845 |
| 2/8/2025 | 10:00:00 AM | 33.91156 | 52.90789 | 18.99633 | 28.38367 | 36.22846 | 2.3169 | 46.0231 | 33.85949 | -0.05207 | 49.52207 | 44.23779 | 10.32623 | 31.88377 |
| 2/8/2025 | 11:00:00 AM | 33.93163 | 52.92577 | 18.99414 | 28.38586 | 36.22488 | 2.29325 | 46.04675 | 33.8813 | -0.05033 | 49.52033 | 44.25565 | 10.32402 | 31.88598 |
| 2/8/2025 | 12:00:00 PM | 33.93832 | 52.92577 | 18.98745 | 28.39255 | 36.22846 | 2.29014 | 46.04986 | 33.88857 | -0.04975 | 49.51975 | 44.25207 | 10.31375 | 31.89625 |
| 2/8/2025 | 1:00:00 PM | 33.94835 | 52.92577 | 18.97742 | 28.40258 | 36.23562 | 2.28727 | 46.05273 | 33.89584 | -0.05251 | 49.52251 | 44.25207 | 10.30372 | 31.90628 |
| 2/8/2025 | 2:00:00 PM | 33.95504 | 52.94007 | 18.98503 | 28.39497 | 36.24278 | 2.28774 | 46.05226 | 33.88857 | -0.06647 | 49.53647 | 44.26636 | 10.31132 | 31.89868 |
| 2/8/2025 | 3:00:00 PM | 33.96507 | 52.95795 | 18.99288 | 28.38712 | 36.25352 | 2.28845 | 46.05155 | 33.9031 | -0.06197 | 49.53197 | 44.28779 | 10.32272 | 31.88728 |
| 2/8/2025 | 4:00:00 PM | 33.96507 | 52.97941 | 19.01434 | 28.36566 | 36.25352 | 2.28845 | 46.05155 | 33.91764 | -0.04743 | 49.51743 | 44.29136 | 10.32629 | 31.88371 |
| 2/8/2025 | 5:00:00 PM | 33.97844 | 52.98299 | 19.00455 | 28.37545 | 36.2571 | 2.27866 | 46.06134 | 33.92854 | -0.0499 | 49.5199 | 44.30564 | 10.3272 | 31.8828 |
| 2/8/2025 | 6:00:00 PM | 33.98848 | 53.00087 | 19.01239 | 28.36761 | 36.26068 | 2.2722 | 46.0678 | 33.94308 | -0.0454 | 49.5154 | 44.31279 | 10.32431 | 31.88569 |
| 2/8/2025 | 7:00:00 PM | 33.99182 | 53.00444 | 19.01262 | 28.36738 | 36.26783 | 2.27601 | 46.06399 | 33.95035 | -0.04147 | 49.51147 | 44.33421 | 10.34239 | 31.86761 |
| 2/8/2025 | 8:00:00 PM | 34.00185 | 53.01875 | 19.0169 | 28.3631 | 36.26783 | 2.26598 | 46.07402 | 33.95762 | -0.04423 | 49.51423 | 44.33421 | 10.33236 | 31.87764 |
| 2/8/2025 | 9:00:00 PM | 34.02526 | 53.03663 | 19.01137 | 28.36863 | 36.27499 | 2.24973 | 46.09027 | 33.97579 | -0.04947 | 49.51947 | 44.34493 | 10.31967 | 31.89033 |
| 2/8/2025 | 10:00:00 PM | 34.04532 | 53.05808 | 19.01276 | 28.36724 | 36.28215 | 2.23683 | 46.10317 | 33.98669 | -0.05863 | 49.52863 | 44.36279 | 10.31747 | 31.89253 |
| 2/8/2025 | 11:00:00 PM | 34.04867 | 53.06881 | 19.02014 | 28.35986 | 36.28215 | 2.23348 | 46.10652 | 33.99759 | -0.05108 | 49.52108 | 44.3735 | 10.32483 | 31.88517 |
| 2/9/2025 | 12:00:00 AM | 34.06204 | 53.07954 | 19.0175 | 28.3625 | 36.28931 | 2.22727 | 46.11273 | 34.0085 | -0.05354 | 49.52354 | 44.3735 | 10.31146 | 31.89854 |
| 2/9/2025 | 1:00:00 AM | 34.07542 | 53.09384 | 19.01842 | 28.36158 | 36.29647 | 2.22105 | 46.11895 | 34.0194 | -0.05602 | 49.52602 | 44.38421 | 10.30879 | 31.90121 |
| 2/9/2025 | 2:00:00 AM | 34.07208 | 53.08669 | 19.01461 | 28.36539 | 36.30363 | 2.23155 | 46.10845 | 34.0303 | -0.04178 | 49.51178 | 44.39136 | 10.31928 | 31.89072 |
| 2/9/2025 | 3:00:00 AM | 34.07876 | 53.11172 | 19.03296 | 28.34704 | 36.31437 | 2.23561 | 46.10439 | 34.0412 | -0.03756 | 49.50756 | 44.40564 | 10.32688 | 31.88312 |
| 2/9/2025 | 4:00:00 AM | 34.07208 | 53.10457 | 19.03249 | 28.34751 | 36.31437 | 2.24229 | 46.09771 | 34.0412 | -0.03088 | 49.50088 | 44.40564 | 10.33356 | 31.87644 |
| 2/9/2025 | 5:00:00 AM | 34.07542 | 53.11172 | 19.0363 | 28.3437 | 36.32511 | 2.24969 | 46.09031 | 34.04484 | -0.03058 | 49.50058 | 44.41635 | 10.34093 | 31.86907 |
| 2/9/2025 | 6:00:00 AM | 34.07876 | 53.12245 | 19.04369 | 28.33631 | 36.32153 | 2.24277 | 46.09723 | 34.05211 | -0.02665 | 49.49665 | 44.41278 | 10.33402 | 31.87598 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/9/2025 | 7:00:00 AM | 34.07542 | 53.11172 | 19.0363 | 28.3437 | 36.32869 | 2.25327 | 46.08673 | 34.04484 | -0.03058 | 49.50058 | 44.4235 | 10.34808 | 31.86192 |
| 2/9/2025 | 8:00:00 AM | 34.09548 | 53.12603 | 19.03055 | 28.34945 | 36.32869 | 2.23321 | 46.10679 | 34.04847 | -0.04701 | 49.51701 | 44.43421 | 10.33873 | 31.87127 |
| 2/9/2025 | 9:00:00 AM | 34.10886 | 53.14391 | 19.03505 | 28.34495 | 36.33227 | 2.22341 | 46.11659 | 34.06301 | -0.04585 | 49.51585 | 44.44493 | 10.33607 | 31.87393 |
| 2/9/2025 | 10:00:00 AM | 34.1122 | 53.15106 | 19.03886 | 28.34114 | 36.33942 | 2.22722 | 46.11278 | 34.06301 | -0.04919 | 49.51919 | 44.44493 | 10.33273 | 31.87727 |
| 2/9/2025 | 11:00:00 AM | 34.14564 | 53.15821 | 19.01257 | 28.36743 | 36.34658 | 2.20094 | 46.13906 | 34.07028 | -0.07536 | 49.54536 | 44.4485 | 10.30286 | 31.90714 |
| 2/9/2025 | 12:00:00 PM | 34.1724 | 53.14391 | 18.97151 | 28.40849 | 36.35016 | 2.17776 | 46.16224 | 34.07754 | -0.09486 | 49.56486 | 44.44135 | 10.26895 | 31.94105 |
| 2/9/2025 | 1:00:00 PM | 34.15568 | 53.13676 | 18.98108 | 28.39892 | 36.35016 | 2.19448 | 46.14552 | 34.06664 | -0.08904 | 49.55904 | 44.43778 | 10.2821 | 31.9279 |
| 2/9/2025 | 2:00:00 PM | 34.15233 | 53.12603 | 18.9737 | 28.4063 | 36.35374 | 2.20141 | 46.13859 | 34.05937 | -0.09296 | 49.56296 | 44.44135 | 10.28902 | 31.92098 |
| 2/9/2025 | 3:00:00 PM | 34.14564 | 53.12245 | 18.97681 | 28.40319 | 36.35732 | 2.21168 | 46.12832 | 34.06664 | -0.079 | 49.549 | 44.44135 | 10.29571 | 31.91429 |
| 2/9/2025 | 4:00:00 PM | 34.13561 | 53.12603 | 18.99042 | 28.38958 | 36.36806 | 2.23245 | 46.10755 | 34.06664 | -0.06897 | 49.53897 | 44.44493 | 10.30932 | 31.90068 |
| 2/9/2025 | 5:00:00 PM | 34.12558 | 53.11888 | 18.9933 | 28.3867 | 36.36806 | 2.24248 | 46.09752 | 34.06301 | -0.06257 | 49.53257 | 44.43421 | 10.30863 | 31.90137 |
| 2/9/2025 | 6:00:00 PM | 34.10552 | 53.09742 | 18.9919 | 28.3881 | 36.36448 | 2.25896 | 46.08104 | 34.05937 | -0.04615 | 49.51615 | 44.43778 | 10.33226 | 31.87774 |
| 2/9/2025 | 7:00:00 PM | 34.10552 | 53.11172 | 19.0062 | 28.3738 | 36.36806 | 2.26254 | 46.07746 | 34.07028 | -0.03524 | 49.50524 | 44.4485 | 10.34298 | 31.86702 |
| 2/9/2025 | 8:00:00 PM | 34.10217 | 53.1153 | 19.01313 | 28.36687 | 36.35732 | 2.25515 | 46.08485 | 34.07391 | -0.02826 | 49.49826 | 44.4485 | 10.34633 | 31.86367 |
| 2/9/2025 | 9:00:00 PM | 34.10217 | 53.1153 | 19.01313 | 28.36687 | 36.3609 | 2.25873 | 46.08127 | 34.07028 | -0.03189 | 49.50189 | 44.4485 | 10.34633 | 31.86367 |
| 2/9/2025 | 10:00:00 PM | 34.10217 | 53.1153 | 19.01313 | 28.36687 | 36.3609 | 2.25873 | 46.08127 | 34.06664 | -0.03553 | 49.50553 | 44.45207 | 10.3499 | 31.8601 |
| 2/9/2025 | 11:00:00 PM | 34.10217 | 53.12245 | 19.02028 | 28.35972 | 36.3609 | 2.25873 | 46.08127 | 34.08118 | -0.02099 | 49.49099 | 44.44493 | 10.34276 | 31.86724 |
| 2/10/2025 | 12:00:00 AM | 34.0888 | 53.12603 | 19.03723 | 28.34277 | 36.3609 | 2.2721 | 46.0679 | 34.07391 | -0.01489 | 49.48489 | 44.4485 | 10.3597 | 31.8503 |
| 2/10/2025 | 1:00:00 AM | 34.0888 | 53.11888 | 19.03008 | 28.34992 | 36.36448 | 2.27568 | 46.06432 | 34.07391 | -0.01489 | 49.48489 | 44.44493 | 10.35613 | 31.85387 |
| 2/10/2025 | 2:00:00 AM | 34.09883 | 53.14391 | 19.04508 | 28.33492 | 36.3609 | 2.26207 | 46.07793 | 34.07754 | -0.02129 | 49.49129 | 44.45207 | 10.35324 | 31.85676 |
| 2/10/2025 | 3:00:00 AM | 34.09548 | 53.00444 | 18.90896 | 28.47104 | 36.36448 | 2.269 | 46.071 | 34.07754 | -0.01794 | 49.48794 | 44.45564 | 10.36016 | 31.84984 |
| 2/10/2025 | 4:00:00 AM | 34.12224 | 53.07239 | 18.95015 | 28.42985 | 36.35732 | 2.23508 | 46.10492 | 34.07754 | -0.0447 | 49.5147 | 44.44493 | 10.32269 | 31.88731 |
| 2/10/2025 | 5:00:00 AM | 34.12224 | 53.07596 | 18.95372 | 28.42628 | 36.3609 | 2.23866 | 46.10134 | 34.06664 | -0.0556 | 49.5256 | 44.44493 | 10.32269 | 31.88731 |
| 2/10/2025 | 6:00:00 AM | 34.12558 | 53.07239 | 18.94681 | 28.43319 | 36.35732 | 2.23174 | 46.10826 | 34.06301 | -0.06257 | 49.53257 | 44.43778 | 10.3122 | 31.8978 |
| 2/10/2025 | 7:00:00 AM | 34.11889 | 53.08312 | 18.96423 | 28.41577 | 36.3609 | 2.24201 | 46.09799 | 34.05937 | -0.05952 | 49.52952 | 44.45207 | 10.33318 | 31.87682 |
| 2/10/2025 | 8:00:00 AM | 34.11889 | 53.08669 | 18.9678 | 28.4122 | 36.35732 | 2.23843 | 46.10157 | 34.06301 | -0.05588 | 49.52588 | 44.43778 | 10.31889 | 31.89111 |
| 2/10/2025 | 9:00:00 AM | 34.11889 | 53.09742 | 18.97853 | 28.40147 | 36.35374 | 2.23485 | 46.10515 | 34.05937 | -0.05952 | 49.52952 | 44.45564 | 10.33675 | 31.87325 |
| 2/10/2025 | 10:00:00 AM | 34.12892 | 53.09742 | 18.9685 | 28.4115 | 36.35374 | 2.22482 | 46.11518 | 34.06301 | -0.06591 | 49.53591 | 44.43778 | 10.30886 | 31.90114 |
| 2/10/2025 | 11:00:00 AM | 34.16236 | 53.10815 | 18.94579 | 28.43421 | 36.35374 | 2.19138 | 46.14862 | 34.06664 | -0.09572 | 49.56572 | 44.43421 | 10.27185 | 31.93815 |
| 2/10/2025 | 12:00:00 PM | 34.17574 | 53.08669 | 18.91095 | 28.46905 | 36.35374 | 2.178 | 46.162 | 34.05937 | -0.11637 | 49.58637 | 44.43064 | 10.2549 | 31.9551 |
| 2/10/2025 | 1:00:00 PM | 34.16905 | 53.06524 | 18.89619 | 28.48381 | 36.36448 | 2.19543 | 46.14457 | 34.03757 | -0.13148 | 49.60148 | 44.42707 | 10.25802 | 31.95198 |
| 2/10/2025 | 2:00:00 PM | 34.18912 | 53.05093 | 18.86181 | 28.51819 | 36.39312 | 2.204 | 46.136 | 34.02667 | -0.16245 | 49.63245 | 44.40921 | 10.22009 | 31.98991 |
| 2/10/2025 | 3:00:00 PM | 34.17574 | 53.04736 | 18.87162 | 28.50838 | 36.42891 | 2.25317 | 46.08683 | 34.0194 | -0.15634 | 49.62634 | 44.40921 | 10.23347 | 31.97653 |
| 2/10/2025 | 4:00:00 PM | 34.16905 | 53.05808 | 18.88903 | 28.49097 | 36.44681 | 2.27776 | 46.06224 | 34.0085 | -0.16055 | 49.63055 | 44.3985 | 10.22945 | 31.98055 |
| 2/10/2025 | 5:00:00 PM | 34.16236 | 53.06881 | 18.90645 | 28.47355 | 36.46829 | 2.30593 | 46.03407 | 34.0194 | -0.14296 | 49.61296 | 44.39136 | 10.229 | 31.981 |
| 2/10/2025 | 6:00:00 PM | 34.15233 | 53.07596 | 18.92363 | 28.45637 | 36.48619 | 2.33386 | 46.00614 | 34.0085 | -0.14383 | 49.61383 | 44.39136 | 10.23903 | 31.97097 |
| 2/10/2025 | 7:00:00 PM | 34.11889 | 53.01875 | 18.89986 | 28.48014 | 36.51124 | 2.39235 | 45.94765 | 34.01576 | -0.10313 | 49.57313 | 44.39136 | 10.27247 | 31.93753 |
| 2/10/2025 | 8:00:00 PM | 34.10552 | 53.02232 | 18.9168 | 28.4632 | 36.52198 | 2.41646 | 45.92354 | 34.01213 | -0.09339 | 49.56339 | 44.38421 | 10.27869 | 31.93131 |
| 2/10/2025 | 9:00:00 PM | 34.10217 | 53.0259 | 18.92373 | 28.45627 | 36.53988 | 2.43771 | 45.90229 | 34.0194 | -0.08277 | 49.55277 | 44.39136 | 10.28919 | 31.92081 |
| 2/10/2025 | 10:00:00 PM | 34.09548 | 53.02947 | 18.93399 | 28.44601 | 36.55778 | 2.4623 | 45.8777 | 34.01576 | -0.07972 | 49.54972 | 44.38421 | 10.28873 | 31.92127 |
| 2/10/2025 | 11:00:00 PM | 34.09883 | 53.0402 | 18.94137 | 28.43863 | 36.57209 | 2.47326 | 45.86674 | 34.01213 | -0.0867 | 49.5567 | 44.38778 | 10.28895 | 31.92105 |
| 2/11/2025 | 12:00:00 AM | 34.09548 | 53.05093 | 18.95545 | 28.42455 | 36.57925 | 2.48377 | 45.85623 | 34.01576 | -0.07972 | 49.54972 | 44.39136 | 10.29588 | 31.91412 |
| 2/11/2025 | 1:00:00 AM | 34.09214 | 53.04736 | 18.95522 | 28.42478 | 36.58999 | 2.49785 | 45.84215 | 34.01576 | -0.07638 | 49.54638 | 44.39136 | 10.29922 | 31.91078 |
| 2/11/2025 | 2:00:00 AM | 34.07876 | 53.04736 | 18.9686 | 28.4114 | 36.59357 | 2.51481 | 45.82519 | 34.01576 | -0.063 | 49.533 | 44.38778 | 10.30902 | 31.90098 |
| 2/11/2025 | 3:00:00 AM | 34.07208 | 53.03663 | 18.96455 | 28.41545 | 36.60431 | 2.53223 | 45.80777 | 34.0085 | -0.06358 | 49.53358 | 44.38421 | 10.31213 | 31.89787 |
| 2/11/2025 | 4:00:00 AM | 34.06539 | 53.0259 | 18.96051 | 28.41949 | 36.62937 | 2.56398 | 45.77602 | 34.00123 | -0.06416 | 49.53416 | 44.37707 | 10.31168 | 31.89832 |
| 2/11/2025 | 5:00:00 AM | 34.05536 | 53.01875 | 18.96339 | 28.41661 | 36.64726 | 2.5919 | 45.7481 | 33.99396 | -0.0614 | 49.5314 | 44.3735 | 10.31814 | 31.89186 |
| 2/11/2025 | 6:00:00 AM | 34.04867 | 53.02232 | 18.97365 | 28.40635 | 36.658 | 2.60933 | 45.73067 | 33.97942 | -0.06925 | 49.53925 | 44.36279 | 10.31412 | 31.89588 |
| 2/11/2025 | 7:00:00 AM | 34.04532 | 53.00087 | 18.95555 | 28.42445 | 36.66874 | 2.62342 | 45.71658 | 33.97579 | -0.06953 | 49.53953 | 44.35207 | 10.30675 | 31.90325 |
| 2/11/2025 | 8:00:00 AM | 34.03529 | 52.99729 | 18.962 | 28.418 | 36.69022 | 2.65493 | 45.68507 | 33.96852 | -0.06677 | 49.53677 | 44.3485 | 10.31321 | 31.89679 |
| 2/11/2025 | 9:00:00 AM | 34.03529 | 52.99371 | 18.95842 | 28.42158 | 36.6938 | 2.65851 | 45.68149 | 33.95762 | -0.07767 | 49.54767 | 44.33779 | 10.3025 | 31.9075 |
| 2/11/2025 | 10:00:00 AM | 34.03529 | 52.97583 | 18.94054 | 28.43946 | 36.70454 | 2.66925 | 45.67075 | 33.94671 | -0.08858 | 49.55858 | 44.32707 | 10.29178 | 31.91822 |
| 2/11/2025 | 11:00:00 AM | 34.06204 | 52.96868 | 18.90664 | 28.47336 | 36.70812 | 2.64608 | 45.69392 | 33.94308 | -0.11896 | 49.58896 | 44.31636 | 10.25432 | 31.95568 |
| 2/11/2025 | 12:00:00 PM | 34.07208 | 52.94365 | 18.87157 | 28.50843 | 36.71528 | 2.6432 | 45.6968 | 33.91764 | -0.15444 | 49.62444 | 44.30207 | 10.22999 | 31.98001 |
| 2/11/2025 | 1:00:00 PM | 34.09548 | 52.92219 | 18.82671 | 28.55329 | 36.71528 | 2.6198 | 45.7202 | 33.90674 | -0.18874 | 49.65874 | 44.28422 | 10.18874 | 32.02126 |
| 2/11/2025 | 2:00:00 PM | 34.09548 | 52.89358 | 18.7981 | 28.5819 | 36.73317 | 2.63769 | 45.70231 | 33.88857 | -0.20691 | 49.67691 | 44.25922 | 10.16374 | 32.04626 |
| 2/11/2025 | 3:00:00 PM | 34.06873 | 52.8614 | 18.79267 | 28.58733 | 36.72959 | 2.66086 | 45.67914 | 33.86676 | -0.20197 | 49.67197 | 44.25207 | 10.18334 | 32.02666 |
| 2/11/2025 | 4:00:00 PM | 34.03864 | 52.8471 | 18.80846 | 28.57154 | 36.73675 | 2.69811 | 45.64189 | 33.84859 | -0.19005 | 49.66005 | 44.22708 | 10.18844 | 32.02156 |
| 2/11/2025 | 5:00:00 PM | 34.02526 | 52.84352 | 18.81826 | 28.56174 | 36.74749 | 2.72223 | 45.61777 | 33.83769 | -0.18757 | 49.65757 | 44.20565 | 10.18039 | 32.02961 |
| 2/11/2025 | 6:00:00 PM | 34.01523 | 52.83994 | 18.82471 | 28.55529 | 36.74749 | 2.73226 | 45.60774 | 33.83042 | -0.18481 | 49.65481 | 44.20208 | 10.18685 | 32.02315 |
| 2/11/2025 | 7:00:00 PM | 33.99516 | 52.82922 | 18.83406 | 28.54594 | 36.75107 | 2.75591 | 45.58409 | 33.81588 | -0.17928 | 49.64928 | 44.18422 | 10.18906 | 32.02094 |
| 2/11/2025 | 8:00:00 PM | 33.99182 | 52.82206 | 18.83024 | 28.54976 | 36.74033 | 2.74851 | 45.59149 | 33.80135 | -0.19047 | 49.66047 | 44.16993 | 10.17811 | 32.03189 |
| 2/11/2025 | 9:00:00 PM | 33.9751 | 52.80418 | 18.82908 | 28.55092 | 36.74391 | 2.76881 | 45.57119 | 33.78681 | -0.18829 | 49.65829 | 44.15565 | 10.18055 | 32.02945 |
| 2/11/2025 | 10:00:00 PM | 33.97176 | 52.81491 | 18.84315 | 28.53685 | 36.74033 | 2.76857 | 45.57143 | 33.77954 | -0.19222 | 49.66222 | 44.14136 | 10.1696 | 32.0404 |
| 2/11/2025 | 11:00:00 PM | 33.96507 | 52.81491 | 18.84984 | 28.53016 | 36.74391 | 2.77884 | 45.56116 | 33.77591 | -0.18916 | 49.65916 | 44.13422 | 10.16915 | 32.04085 |
| 2/12/2025 | 12:00:00 AM | 33.945 | 52.77557 | 18.83057 | 28.54943 | 36.73317 | 2.78817 | 45.55183 | 33.77227 | -0.17273 | 49.64273 | 44.12351 | 10.17851 | 32.03149 |
| 2/12/2025 | 1:00:00 AM | 33.94166 | 52.76842 | 18.82676 | 28.55324 | 36.74033 | 2.79867 | 45.54133 | 33.76864 | -0.17302 | 49.64302 | 44.11279 | 10.17113 | 32.03887 |
| 2/12/2025 | 2:00:00 AM | 33.92828 | 52.75054 | 18.82226 | 28.55774 | 36.72959 | 2.80131 | 45.53869 | 33.7541 | -0.17418 | 49.64418 | 44.10565 | 10.17737 | 32.03263 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/12/2025 | 3:00:00 AM | 33.91825 | 52.73981 | 18.82156 | 28.55844 | 36.72601 | 2.80776 | 45.53224 | 33.73593 | -0.18232 | 49.65232 | 44.09137 | 10.17312 | 32.03688 |
| 2/12/2025 | 4:00:00 AM | 33.90822 | 52.73266 | 18.82444 | 28.55556 | 36.72244 | 2.81422 | 45.52578 | 33.7323 | -0.17592 | 49.64592 | 44.08422 | 10.176 | 32.034 |
| 2/12/2025 | 5:00:00 AM | 33.90153 | 52.72193 | 18.8204 | 28.5596 | 36.71528 | 2.81375 | 45.52625 | 33.7214 | -0.18013 | 49.65013 | 44.07351 | 10.17198 | 32.03802 |
| 2/12/2025 | 6:00:00 AM | 33.89484 | 52.72193 | 18.82709 | 28.55291 | 36.7117 | 2.81686 | 45.52314 | 33.71776 | -0.17708 | 49.64708 | 44.05922 | 10.16438 | 32.04562 |
| 2/12/2025 | 7:00:00 AM | 33.89484 | 52.72193 | 18.82709 | 28.55291 | 36.70096 | 2.80612 | 45.53388 | 33.69959 | -0.19525 | 49.66525 | 44.05565 | 10.16081 | 32.04919 |
| 2/12/2025 | 8:00:00 AM | 33.88481 | 52.70763 | 18.82282 | 28.55718 | 36.6938 | 2.80899 | 45.53101 | 33.69596 | -0.18885 | 49.65885 | 44.04851 | 10.1637 | 32.0463 |
| 2/12/2025 | 9:00:00 AM | 33.8915 | 52.68975 | 18.79825 | 28.58175 | 36.68306 | 2.79156 | 45.54844 | 33.68505 | -0.20645 | 49.67645 | 44.02351 | 10.13201 | 32.07799 |
| 2/12/2025 | 10:00:00 AM | 33.89819 | 52.68975 | 18.79156 | 28.58844 | 36.68306 | 2.78487 | 45.55513 | 33.67415 | -0.22404 | 49.69404 | 44.01994 | 10.12175 | 32.08825 |
| 2/12/2025 | 11:00:00 AM | 33.92494 | 52.67187 | 18.74693 | 28.63307 | 36.66874 | 2.7438 | 45.5962 | 33.66325 | -0.26169 | 49.73169 | 44.00923 | 10.08429 | 32.12571 |
| 2/12/2025 | 12:00:00 PM | 33.93163 | 52.64684 | 18.71521 | 28.66479 | 36.65084 | 2.71921 | 45.62079 | 33.64508 | -0.28655 | 49.75655 | 43.98423 | 10.0526 | 32.1574 |
| 2/12/2025 | 1:00:00 PM | 33.94166 | 52.60392 | 18.66226 | 28.71774 | 36.65084 | 2.70918 | 45.63082 | 33.61237 | -0.32929 | 49.79929 | 43.95923 | 10.01757 | 32.19243 |
| 2/12/2025 | 2:00:00 PM | 33.90153 | 52.4573 | 18.55577 | 28.82423 | 36.64011 | 2.73858 | 45.60142 | 33.57966 | -0.32187 | 49.79187 | 43.93423 | 10.0327 | 32.1773 |
| 2/12/2025 | 3:00:00 PM | 33.87144 | 52.4287 | 18.55726 | 28.82274 | 36.62937 | 2.75793 | 45.58207 | 33.54332 | -0.32812 | 49.79812 | 43.89494 | 10.0235 | 32.1865 |
| 2/12/2025 | 4:00:00 PM | 33.84468 | 52.41082 | 18.56614 | 28.81386 | 36.60431 | 2.75963 | 45.58037 | 33.52152 | -0.32316 | 49.79316 | 43.81637 | 9.97169 | 32.23831 |
| 2/12/2025 | 5:00:00 PM | 33.82796 | 52.39651 | 18.56855 | 28.81145 | 36.60073 | 2.77277 | 45.56723 | 33.48881 | -0.33915 | 49.80915 | 43.70209 | 9.87413 | 32.33587 |
| 2/12/2025 | 6:00:00 PM | 33.8079 | 52.37505 | 18.56715 | 28.81285 | 36.57925 | 2.77135 | 45.56865 | 33.4561 | -0.3518 | 49.8218 | 43.76995 | 9.96205 | 32.24795 |
| 2/12/2025 | 7:00:00 PM | 33.7778 | 52.3536 | 18.5758 | 28.8042 | 36.56494 | 2.78714 | 45.55286 | 33.4343 | -0.3435 | 49.8135 | 43.76995 | 9.99215 | 32.21785 |
| 2/12/2025 | 8:00:00 PM | 33.77112 | 52.33929 | 18.56817 | 28.81183 | 36.54704 | 2.77592 | 45.56408 | 33.41613 | -0.35499 | 49.82499 | 43.76995 | 9.99883 | 32.21117 |
| 2/12/2025 | 9:00:00 PM | 33.75774 | 52.32141 | 18.56367 | 28.81633 | 36.53272 | 2.77498 | 45.56502 | 33.39796 | -0.35978 | 49.82978 | 43.75566 | 9.99792 | 32.21208 |
| 2/12/2025 | 10:00:00 PM | 33.66411 | 52.29281 | 18.6287 | 28.7513 | 36.5005 | 2.83639 | 45.50361 | 33.37979 | -0.28432 | 49.75432 | 43.72352 | 10.05941 | 32.15059 |
| 2/12/2025 | 11:00:00 PM | 33.65073 | 52.27493 | 18.6242 | 28.7558 | 36.48261 | 2.83188 | 45.50812 | 33.36525 | -0.28548 | 49.75548 | 43.70924 | 10.05851 | 32.15149 |
| 2/13/2025 | 12:00:00 AM | 33.60392 | 52.24632 | 18.6424 | 28.7376 | 36.46471 | 2.86079 | 45.47921 | 33.34708 | -0.25684 | 49.72684 | 43.67709 | 10.07317 | 32.13683 |
| 2/13/2025 | 1:00:00 AM | 33.59054 | 52.22486 | 18.63432 | 28.74568 | 36.44681 | 2.85627 | 45.48373 | 33.32891 | -0.26163 | 49.73163 | 43.65209 | 10.06155 | 32.14845 |
| 2/13/2025 | 2:00:00 AM | 33.52366 | 52.20698 | 18.68332 | 28.69668 | 36.43249 | 2.90883 | 45.43117 | 33.31074 | -0.21292 | 49.68292 | 43.63424 | 10.11058 | 32.09942 |
| 2/13/2025 | 3:00:00 AM | 33.5036 | 52.16407 | 18.66047 | 28.71953 | 36.40744 | 2.90384 | 45.43616 | 33.27439 | -0.22921 | 49.69921 | 43.59138 | 10.08778 | 32.12222 |
| 2/13/2025 | 4:00:00 AM | 33.43003 | 52.11758 | 18.68755 | 28.69245 | 36.37522 | 2.94519 | 45.39481 | 33.24169 | -0.18834 | 49.65834 | 43.54138 | 10.11135 | 32.09865 |
| 2/13/2025 | 5:00:00 AM | 33.41331 | 52.07467 | 18.66136 | 28.71864 | 36.3609 | 2.94759 | 45.39241 | 33.21261 | -0.2007 | 49.6707 | 43.50567 | 10.09236 | 32.11764 |
| 2/13/2025 | 6:00:00 AM | 33.34643 | 52.04248 | 18.69605 | 28.68395 | 36.33227 | 2.98584 | 45.35416 | 33.16537 | -0.18106 | 49.65106 | 43.4771 | 10.13067 | 32.07933 |
| 2/13/2025 | 7:00:00 AM | 33.33305 | 52.01387 | 18.68082 | 28.69918 | 36.31079 | 2.97774 | 45.36226 | 33.1363 | -0.19675 | 49.66675 | 43.4521 | 10.11905 | 32.09095 |
| 2/13/2025 | 8:00:00 AM | 33.29292 | 52.05321 | 18.76029 | 28.61971 | 36.29289 | 2.99997 | 45.34003 | 33.11449 | -0.17843 | 49.64843 | 43.4521 | 10.15918 | 32.05082 |
| 2/13/2025 | 9:00:00 AM | 33.29627 | 52.0389 | 18.74263 | 28.63737 | 36.26425 | 2.96798 | 45.37202 | 33.09269 | -0.20358 | 49.67358 | 43.41996 | 10.12369 | 32.08631 |
| 2/13/2025 | 10:00:00 AM | 33.29961 | 52.02818 | 18.72857 | 28.65143 | 36.24278 | 2.94317 | 45.39683 | 33.07452 | -0.22509 | 49.69509 | 43.38782 | 10.08821 | 32.12179 |
| 2/13/2025 | 11:00:00 AM | 33.26952 | 52.02818 | 18.75866 | 28.62134 | 36.21772 | 2.9482 | 45.3918 | 33.05271 | -0.21681 | 49.68681 | 43.38782 | 10.1183 | 32.0917 |
| 2/13/2025 | 12:00:00 PM | 33.28624 | 52.02818 | 18.74194 | 28.63806 | 36.18908 | 2.90284 | 45.43716 | 33.03454 | -0.2517 | 49.7217 | 43.36639 | 10.08015 | 32.12985 |
| 2/13/2025 | 1:00:00 PM | 33.24945 | 52.0103 | 18.76085 | 28.61915 | 36.17477 | 2.92532 | 45.41468 | 32.9873 | -0.26215 | 49.73215 | 43.34496 | 10.09551 | 32.11449 |
| 2/13/2025 | 2:00:00 PM | 33.2528 | 52.00672 | 18.75392 | 28.62608 | 36.14971 | 2.89691 | 45.44309 | 32.97639 | -0.27641 | 49.74641 | 43.32711 | 10.07431 | 32.13569 |
| 2/13/2025 | 3:00:00 PM | 33.25614 | 52.00672 | 18.75058 | 28.62942 | 36.12465 | 2.86851 | 45.47149 | 32.97276 | -0.28338 | 49.75338 | 43.32353 | 10.06739 | 32.14261 |
| 2/13/2025 | 4:00:00 PM | 33.2528 | 52.01387 | 18.76107 | 28.61893 | 36.10318 | 2.85038 | 45.48962 | 32.96912 | -0.28368 | 49.75368 | 43.30925 | 10.05645 | 32.15355 |
| 2/13/2025 | 5:00:00 PM | 33.25948 | 52.03175 | 18.77227 | 28.60773 | 36.0817 | 2.82222 | 45.51778 | 32.96912 | -0.29036 | 49.76036 | 43.30211 | 10.04263 | 32.16737 |
| 2/13/2025 | 6:00:00 PM | 33.2528 | 52.02102 | 18.76822 | 28.61178 | 36.0638 | 2.811 | 45.529 | 32.96549 | -0.28731 | 49.75731 | 43.31282 | 10.06002 | 32.14998 |
| 2/13/2025 | 7:00:00 PM | 33.25614 | 52.03175 | 18.77561 | 28.60439 | 36.05306 | 2.79692 | 45.54308 | 32.96912 | -0.28702 | 49.75702 | 43.30211 | 10.04597 | 32.16403 |
| 2/13/2025 | 8:00:00 PM | 33.26283 | 52.04963 | 18.7868 | 28.5932 | 36.03516 | 2.77233 | 45.56767 | 32.97639 | -0.28644 | 49.75644 | 43.30925 | 10.04642 | 32.16358 |
| 2/13/2025 | 9:00:00 PM | 33.26283 | 52.06751 | 18.80468 | 28.57532 | 36.03159 | 2.76876 | 45.57124 | 32.98003 | -0.2828 | 49.7528 | 43.31282 | 10.04999 | 32.16001 |
| 2/13/2025 | 10:00:00 PM | 33.2762 | 52.08897 | 18.81277 | 28.56723 | 36.02443 | 2.74823 | 45.59177 | 32.9982 | -0.278 | 49.748 | 43.31996 | 10.04376 | 32.16624 |
| 2/13/2025 | 11:00:00 PM | 33.28289 | 52.12115 | 18.83826 | 28.54174 | 36.01727 | 2.73438 | 45.60562 | 33.01637 | -0.26652 | 49.73652 | 43.33425 | 10.05136 | 32.15864 |
| 2/14/2025 | 12:00:00 AM | 33.24945 | 52.04963 | 18.80018 | 28.57982 | 36.01011 | 2.76066 | 45.57934 | 33.03454 | -0.21491 | 49.68491 | 43.34496 | 10.09551 | 32.11449 |
| 2/14/2025 | 1:00:00 AM | 33.25948 | 52.07109 | 18.81161 | 28.56839 | 36.01369 | 2.75421 | 45.58579 | 33.06361 | -0.19587 | 49.66587 | 43.41639 | 10.15691 | 32.05309 |
| 2/14/2025 | 2:00:00 AM | 33.2762 | 52.0997 | 18.8235 | 28.5565 | 36.01011 | 2.73391 | 45.60609 | 33.08905 | -0.18715 | 49.65715 | 43.43425 | 10.15805 | 32.05195 |
| 2/14/2025 | 3:00:00 AM | 33.29627 | 52.14619 | 18.84992 | 28.53008 | 36.01727 | 2.721 | 45.619 | 33.11813 | -0.17814 | 49.64814 | 43.45567 | 10.1594 | 32.0506 |
| 2/14/2025 | 4:00:00 AM | 33.31299 | 52.18195 | 18.86896 | 28.51104 | 36.02085 | 2.70786 | 45.63214 | 33.14356 | -0.16943 | 49.63943 | 43.49496 | 10.18197 | 32.02803 |
| 2/14/2025 | 5:00:00 AM | 33.33305 | 52.23201 | 18.89896 | 28.48104 | 36.03159 | 2.69854 | 45.64146 | 33.17627 | -0.15678 | 49.62678 | 43.5021 | 10.16905 | 32.04095 |
| 2/14/2025 | 6:00:00 AM | 33.34643 | 52.27493 | 18.9285 | 28.4515 | 36.04232 | 2.69589 | 45.64411 | 33.20898 | -0.13745 | 49.60745 | 43.53067 | 10.18424 | 32.02576 |
| 2/14/2025 | 7:00:00 AM | 33.37318 | 52.31069 | 18.93751 | 28.44249 | 36.05664 | 2.68346 | 45.65654 | 33.24169 | -0.13149 | 49.60149 | 43.56995 | 10.19677 | 32.01323 |
| 2/14/2025 | 8:00:00 AM | 33.3899 | 52.3536 | 18.9637 | 28.4163 | 36.0638 | 2.6739 | 45.6661 | 33.2853 | -0.1046 | 49.5746 | 43.58781 | 10.19791 | 32.01209 |
| 2/14/2025 | 9:00:00 AM | 33.40996 | 52.40009 | 18.99013 | 28.38987 | 36.08528 | 2.67532 | 45.66468 | 33.32164 | -0.08832 | 49.55832 | 43.63781 | 10.22785 | 31.98215 |
| 2/14/2025 | 10:00:00 AM | 33.45678 | 52.46088 | 19.0041 | 28.3759 | 36.0996 | 2.64282 | 45.69718 | 33.36525 | -0.09153 | 49.56153 | 43.67352 | 10.21674 | 31.99326 |
| 2/14/2025 | 11:00:00 AM | 33.51028 | 52.50379 | 18.99351 | 28.38649 | 36.12107 | 2.61079 | 45.72921 | 33.39796 | -0.11232 | 49.58232 | 43.72352 | 10.21324 | 31.99676 |
| 2/14/2025 | 12:00:00 PM | 33.56713 | 52.55743 | 18.9903 | 28.3897 | 36.0996 | 2.53247 | 45.80753 | 33.4452 | -0.12193 | 49.59193 | 43.76995 | 10.20282 | 32.00718 |
| 2/14/2025 | 1:00:00 PM | 33.6106 | 52.59677 | 18.98617 | 28.39383 | 36.0638 | 2.4532 | 45.8868 | 33.48518 | -0.12542 | 49.59542 | 43.79138 | 10.18078 | 32.02922 |
| 2/14/2025 | 2:00:00 PM | 33.64739 | 52.62896 | 18.98157 | 28.39843 | 36.05664 | 2.40925 | 45.93075 | 33.52515 | -0.12224 | 49.59224 | 43.82709 | 10.1797 | 32.0303 |
| 2/14/2025 | 3:00:00 PM | 33.68083 | 52.65756 | 18.97673 | 28.40327 | 36.03874 | 2.35791 | 45.98209 | 33.56513 | -0.1157 | 49.5857 | 43.86994 | 10.18911 | 32.02089 |
| 2/14/2025 | 4:00:00 PM | 33.71092 | 52.6969 | 18.98598 | 28.39402 | 36.03516 | 2.32424 | 46.01576 | 33.60147 | -0.10945 | 49.57945 | 43.90923 | 10.19831 | 32.01169 |
| 2/14/2025 | 5:00:00 PM | 33.76108 | 52.74339 | 18.98231 | 28.39769 | 36.03874 | 2.27766 | 46.06234 | 33.63418 | -0.1269 | 49.5969 | 43.94851 | 10.18743 | 32.02257 |
| 2/14/2025 | 6:00:00 PM | 33.76777 | 52.75412 | 18.98635 | 28.39365 | 36.04232 | 2.27455 | 46.06545 | 33.66325 | -0.10452 | 49.57452 | 43.97351 | 10.20574 | 32.00426 |
| 2/14/2025 | 7:00:00 PM | 33.78115 | 52.772 | 18.99085 | 28.38915 | 36.0459 | 2.26475 | 46.07525 | 33.68505 | -0.0961 | 49.5661 | 43.99137 | 10.21022 | 31.99978 |
| 2/14/2025 | 8:00:00 PM | 33.82128 | 52.80418 | 18.9829 | 28.3971 | 36.05306 | 2.23178 | 46.10822 | 33.71049 | -0.11079 | 49.58079 | 44.0378 | 10.21652 | 31.99348 |
| 2/14/2025 | 9:00:00 PM | 33.84468 | 52.82564 | 18.98096 | 28.39904 | 36.0638 | 2.21912 | 46.12088 | 33.73593 | -0.10875 | 49.57875 | 44.0628 | 10.21812 | 31.99188 |
| 2/14/2025 | 10:00:00 PM | 33.87144 | 52.85782 | 18.98638 | 28.39362 | 36.07454 | 2.2031 | 46.1369 | 33.76864 | -0.1028 | 49.5728 | 44.09137 | 10.21993 | 31.99007 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/14/2025 | 11:00:00 PM | 33.88147 | 52.86855 | 18.98708 | 28.39292 | 36.08886 | 2.20739 | 46.13261 | 33.79045 | -0.09102 | 49.56102 | 44.11636 | 10.23489 | 31.97511 |
| 2/15/2025 | 12:00:00 AM | 33.90153 | 52.88286 | 18.98133 | 28.39867 | 36.09602 | 2.19449 | 46.14551 | 33.80862 | -0.09291 | 49.56291 | 44.13065 | 10.22912 | 31.98088 |
| 2/15/2025 | 1:00:00 AM | 33.91491 | 52.90789 | 18.99298 | 28.38702 | 36.10676 | 2.19185 | 46.14815 | 33.82315 | -0.09176 | 49.56176 | 44.16279 | 10.24788 | 31.96212 |
| 2/15/2025 | 2:00:00 AM | 33.92828 | 52.90789 | 18.97961 | 28.40039 | 36.12465 | 2.19637 | 46.14363 | 33.84132 | -0.08696 | 49.55696 | 44.16636 | 10.23808 | 31.97192 |
| 2/15/2025 | 3:00:00 AM | 33.93163 | 52.91504 | 18.98341 | 28.39659 | 36.13897 | 2.20734 | 46.13266 | 33.84859 | -0.08304 | 49.55304 | 44.18422 | 10.25259 | 31.95741 |
| 2/15/2025 | 4:00:00 AM | 33.93832 | 52.91862 | 18.9803 | 28.3997 | 36.14971 | 2.21139 | 46.12861 | 33.86313 | -0.07519 | 49.54519 | 44.1985 | 10.26018 | 31.94982 |
| 2/15/2025 | 5:00:00 AM | 33.92828 | 52.91146 | 18.98318 | 28.39682 | 36.15329 | 2.22501 | 46.11499 | 33.85586 | -0.07242 | 49.54242 | 44.1985 | 10.27022 | 31.93978 |
| 2/15/2025 | 6:00:00 AM | 33.93497 | 52.92577 | 18.9908 | 28.3892 | 36.15687 | 2.2219 | 46.1181 | 33.8704 | -0.06457 | 49.53457 | 44.20922 | 10.27425 | 31.93575 |
| 2/15/2025 | 7:00:00 AM | 33.93163 | 52.93292 | 19.00129 | 28.37871 | 36.17119 | 2.23956 | 46.10044 | 33.87767 | -0.05396 | 49.52396 | 44.2235 | 10.29187 | 31.91813 |
| 2/15/2025 | 8:00:00 AM | 33.94166 | 52.94007 | 18.99841 | 28.38159 | 36.17477 | 2.23311 | 46.10689 | 33.8813 | -0.06036 | 49.53036 | 44.23422 | 10.29256 | 31.91744 |
| 2/15/2025 | 9:00:00 AM | 33.93163 | 52.92577 | 18.99414 | 28.38586 | 36.18908 | 2.25745 | 46.08255 | 33.87767 | -0.05396 | 49.52396 | 44.2235 | 10.29187 | 31.91813 |
| 2/15/2025 | 10:00:00 AM | 33.94166 | 52.92219 | 18.98053 | 28.39947 | 36.18551 | 2.24385 | 46.09615 | 33.87403 | -0.06763 | 49.53763 | 44.23422 | 10.29256 | 31.91744 |
| 2/15/2025 | 11:00:00 AM | 33.94166 | 52.90431 | 18.96265 | 28.41735 | 36.19624 | 2.25458 | 46.08542 | 33.8704 | -0.07126 | 49.54126 | 44.21993 | 10.27827 | 31.93173 |
| 2/15/2025 | 12:00:00 PM | 33.93163 | 52.8757 | 18.94407 | 28.43593 | 36.2034 | 2.27177 | 46.06823 | 33.84859 | -0.08304 | 49.55304 | 44.20565 | 10.27402 | 31.93598 |
| 2/15/2025 | 1:00:00 PM | 33.9216 | 52.8614 | 18.9398 | 28.4402 | 36.2034 | 2.2818 | 46.0582 | 33.83769 | -0.08391 | 49.55391 | 44.19136 | 10.26976 | 31.94024 |
| 2/15/2025 | 2:00:00 PM | 33.9216 | 52.85067 | 18.92907 | 28.45093 | 36.19982 | 2.27822 | 46.06178 | 33.82315 | -0.09845 | 49.56845 | 44.18779 | 10.26619 | 31.94381 |
| 2/15/2025 | 3:00:00 PM | 33.90822 | 52.81491 | 18.90669 | 28.47331 | 36.19266 | 2.28444 | 46.05556 | 33.79771 | -0.11051 | 49.58051 | 44.15565 | 10.24743 | 31.96257 |
| 2/15/2025 | 4:00:00 PM | 33.8915 | 52.76842 | 18.87692 | 28.50308 | 36.22488 | 2.33338 | 46.00662 | 33.76501 | -0.12649 | 49.59649 | 44.12351 | 10.23201 | 31.97799 |
| 2/15/2025 | 5:00:00 PM | 33.87812 | 52.72909 | 18.85097 | 28.52903 | 36.26068 | 2.38256 | 45.95744 | 33.73593 | -0.14219 | 49.61219 | 44.10208 | 10.22396 | 31.98604 |
| 2/15/2025 | 6:00:00 PM | 33.86475 | 52.72193 | 18.85718 | 28.52282 | 36.27857 | 2.41382 | 45.92618 | 33.70686 | -0.15789 | 49.62789 | 44.09137 | 10.22662 | 31.98338 |
| 2/15/2025 | 7:00:00 PM | 33.85472 | 52.6969 | 18.84218 | 28.53782 | 36.30363 | 2.44891 | 45.89109 | 33.68505 | -0.16967 | 49.63967 | 44.06637 | 10.21165 | 31.99835 |
| 2/15/2025 | 8:00:00 PM | 33.84468 | 52.67544 | 18.83076 | 28.54924 | 36.31437 | 2.46969 | 45.87031 | 33.65962 | -0.18506 | 49.65506 | 44.04137 | 10.19669 | 32.01331 |
| 2/15/2025 | 9:00:00 PM | 33.83131 | 52.65041 | 18.8191 | 28.5609 | 36.33227 | 2.50096 | 45.83904 | 33.64871 | -0.1826 | 49.6526 | 44.0378 | 10.20649 | 32.00351 |
| 2/15/2025 | 10:00:00 PM | 33.82462 | 52.63253 | 18.80791 | 28.57209 | 36.33942 | 2.5148 | 45.8252 | 33.63054 | -0.19408 | 49.66408 | 44.00923 | 10.18461 | 32.02539 |
| 2/15/2025 | 11:00:00 PM | 33.8079 | 52.6075 | 18.7996 | 28.5804 | 36.35374 | 2.54584 | 45.79416 | 33.60147 | -0.20643 | 49.67643 | 43.97351 | 10.16561 | 32.04439 |
| 2/16/2025 | 12:00:00 AM | 33.79118 | 52.57531 | 18.78413 | 28.59587 | 36.36448 | 2.5733 | 45.7667 | 33.57966 | -0.21152 | 49.68152 | 43.94494 | 10.15376 | 32.05624 |
| 2/16/2025 | 1:00:00 AM | 33.79452 | 52.57174 | 18.77722 | 28.60278 | 36.36448 | 2.56996 | 45.77004 | 33.56513 | -0.22939 | 49.69939 | 43.94851 | 10.15399 | 32.05601 |
| 2/16/2025 | 2:00:00 AM | 33.78784 | 52.55028 | 18.76244 | 28.61756 | 36.3609 | 2.57306 | 45.76694 | 33.54332 | -0.24452 | 49.71452 | 43.9128 | 10.12496 | 32.08504 |
| 2/16/2025 | 3:00:00 AM | 33.78115 | 52.54671 | 18.76556 | 28.61444 | 36.3788 | 2.59765 | 45.74235 | 33.53605 | -0.2451 | 49.7151 | 43.90566 | 10.12451 | 32.08549 |
| 2/16/2025 | 4:00:00 AM | 33.78115 | 52.53598 | 18.75483 | 28.62517 | 36.36806 | 2.58691 | 45.75309 | 33.51061 | -0.27054 | 49.74054 | 43.88066 | 10.09951 | 32.11049 |
| 2/16/2025 | 5:00:00 AM | 33.77112 | 52.52167 | 18.75055 | 28.62945 | 36.37164 | 2.60052 | 45.73948 | 33.49971 | -0.27141 | 49.74141 | 43.86637 | 10.09525 | 32.11475 |
| 2/16/2025 | 6:00:00 AM | 33.78115 | 52.52525 | 18.7441 | 28.6359 | 36.3788 | 2.59765 | 45.74235 | 33.49244 | -0.28871 | 49.75871 | 43.8628 | 10.08165 | 32.12835 |
| 2/16/2025 | 7:00:00 AM | 33.77446 | 52.5181 | 18.74364 | 28.63636 | 36.37164 | 2.59718 | 45.74282 | 33.47791 | -0.29655 | 49.76655 | 43.84495 | 10.07049 | 32.13951 |
| 2/16/2025 | 8:00:00 AM | 33.7778 | 52.52525 | 18.74745 | 28.63255 | 36.37522 | 2.59742 | 45.74258 | 33.48154 | -0.29626 | 49.76626 | 43.84495 | 10.06715 | 32.14285 |
| 2/16/2025 | 9:00:00 AM | 33.78784 | 52.53955 | 18.75171 | 28.62829 | 36.37522 | 2.58738 | 45.75262 | 33.47791 | -0.30993 | 49.77993 | 43.8378 | 10.04996 | 32.16004 |
| 2/16/2025 | 10:00:00 AM | 33.78784 | 52.5324 | 18.74456 | 28.63544 | 36.3788 | 2.59096 | 45.74904 | 33.47427 | -0.31357 | 49.78357 | 43.82352 | 10.03568 | 32.17432 |
| 2/16/2025 | 11:00:00 AM | 33.79118 | 52.53955 | 18.74837 | 28.63163 | 36.37522 | 2.58404 | 45.75596 | 33.47064 | -0.32054 | 49.79054 | 43.81995 | 10.02877 | 32.18123 |
| 2/16/2025 | 12:00:00 PM | 33.79452 | 52.53598 | 18.74146 | 28.63854 | 36.3788 | 2.58428 | 45.75572 | 33.46701 | -0.32751 | 49.79751 | 43.80923 | 10.01471 | 32.19529 |
| 2/16/2025 | 1:00:00 PM | 33.78784 | 52.52167 | 18.73383 | 28.64617 | 36.3788 | 2.59096 | 45.74904 | 33.44883 | -0.33901 | 49.80901 | 43.79852 | 10.01068 | 32.19932 |
| 2/16/2025 | 2:00:00 PM | 33.79118 | 52.51452 | 18.72334 | 28.65666 | 36.36448 | 2.5733 | 45.7667 | 33.4343 | -0.35688 | 49.82688 | 43.78423 | 9.99305 | 32.21695 |
| 2/16/2025 | 3:00:00 PM | 33.7778 | 52.49307 | 18.71527 | 28.66473 | 36.36806 | 2.59026 | 45.74974 | 33.41976 | -0.35804 | 49.82804 | 43.77352 | 9.99572 | 32.21428 |
| 2/16/2025 | 4:00:00 PM | 33.78115 | 52.48949 | 18.70834 | 28.67166 | 36.36448 | 2.58333 | 45.75667 | 33.40886 | -0.37229 | 49.84229 | 43.75923 | 9.97808 | 32.23192 |
| 2/16/2025 | 5:00:00 PM | 33.78115 | 52.48591 | 18.70476 | 28.67524 | 36.35732 | 2.57617 | 45.76383 | 33.40522 | -0.37593 | 49.84593 | 43.75566 | 9.97451 | 32.23549 |
| 2/16/2025 | 6:00:00 PM | 33.78115 | 52.49664 | 18.71549 | 28.66451 | 36.35732 | 2.57617 | 45.76383 | 33.40159 | -0.37956 | 49.84956 | 43.75566 | 9.97451 | 32.23549 |
| 2/16/2025 | 7:00:00 PM | 33.76777 | 52.46803 | 18.70026 | 28.67974 | 36.35016 | 2.58239 | 45.75761 | 33.39432 | -0.37345 | 49.84345 | 43.74495 | 9.97718 | 32.23282 |
| 2/16/2025 | 8:00:00 PM | 33.76443 | 52.46803 | 18.7036 | 28.6764 | 36.343 | 2.57857 | 45.76143 | 33.38705 | -0.37738 | 49.84738 | 43.74495 | 9.98052 | 32.22948 |
| 2/16/2025 | 9:00:00 PM | 33.76443 | 52.47518 | 18.71075 | 28.66925 | 36.33942 | 2.57499 | 45.76501 | 33.39069 | -0.37374 | 49.84374 | 43.74138 | 9.97695 | 32.23305 |
| 2/16/2025 | 10:00:00 PM | 33.77446 | 52.47161 | 18.69715 | 28.68285 | 36.33942 | 2.56496 | 45.77504 | 33.37979 | -0.39467 | 49.86467 | 43.73423 | 9.95977 | 32.25023 |
| 2/16/2025 | 11:00:00 PM | 33.76443 | 52.46803 | 18.7036 | 28.6764 | 36.32153 | 2.5571 | 45.7829 | 33.38342 | -0.38101 | 49.85101 | 43.72709 | 9.96266 | 32.24734 |
| 2/17/2025 | 12:00:00 AM | 33.76108 | 52.46446 | 18.70338 | 28.67662 | 36.33227 | 2.57119 | 45.76881 | 33.36888 | -0.3922 | 49.8622 | 43.71638 | 9.9553 | 32.2547 |
| 2/17/2025 | 1:00:00 AM | 33.75774 | 52.45015 | 18.69241 | 28.68759 | 36.32869 | 2.57095 | 45.76905 | 33.36888 | -0.38886 | 49.85886 | 43.71995 | 9.96221 | 32.24779 |
| 2/17/2025 | 2:00:00 AM | 33.76108 | 52.46088 | 18.6998 | 28.6802 | 36.33585 | 2.57477 | 45.76523 | 33.37615 | -0.38493 | 49.85493 | 43.73066 | 9.96958 | 32.24042 |
| 2/17/2025 | 3:00:00 AM | 33.76777 | 52.46446 | 18.69669 | 28.68331 | 36.33227 | 2.5645 | 45.7755 | 33.37615 | -0.39162 | 49.86162 | 43.72709 | 9.95932 | 32.25068 |
| 2/17/2025 | 4:00:00 AM | 33.77112 | 52.47876 | 18.70764 | 28.67236 | 36.33227 | 2.56115 | 45.77885 | 33.38342 | -0.3877 | 49.8577 | 43.72352 | 9.9524 | 32.2576 |
| 2/17/2025 | 5:00:00 AM | 33.7778 | 52.48949 | 18.71169 | 28.66831 | 36.33942 | 2.56162 | 45.77838 | 33.38342 | -0.39438 | 49.86438 | 43.73066 | 9.95286 | 32.25714 |
| 2/17/2025 | 6:00:00 AM | 33.78115 | 52.50737 | 18.72622 | 28.65378 | 36.33942 | 2.55827 | 45.78173 | 33.38342 | -0.39773 | 49.86773 | 43.73423 | 9.95308 | 32.25692 |
| 2/17/2025 | 7:00:00 AM | 33.79452 | 52.52167 | 18.72715 | 28.65285 | 36.33942 | 2.5449 | 45.7951 | 33.39069 | -0.40383 | 49.87383 | 43.74138 | 9.94686 | 32.26314 |
| 2/17/2025 | 8:00:00 AM | 33.79787 | 52.53955 | 18.74168 | 28.63832 | 36.33942 | 2.54155 | 45.79845 | 33.40886 | -0.38901 | 49.85901 | 43.74852 | 9.95065 | 32.25935 |
| 2/17/2025 | 9:00:00 AM | 33.81124 | 52.56101 | 18.74977 | 28.63023 | 36.33942 | 2.52818 | 45.81182 | 33.41613 | -0.39511 | 49.86511 | 43.76638 | 9.95514 | 32.25486 |
| 2/17/2025 | 10:00:00 AM | 33.82796 | 52.57889 | 18.75093 | 28.62907 | 36.35016 | 2.5222 | 45.8178 | 33.4343 | -0.39366 | 49.86366 | 43.78423 | 9.95627 | 32.25373 |
| 2/17/2025 | 11:00:00 AM | 33.838 | 52.61108 | 18.77308 | 28.60692 | 36.35016 | 2.51216 | 45.82784 | 33.4452 | -0.3928 | 49.8628 | 44.00208 | 10.16408 | 32.04592 |
| 2/17/2025 | 12:00:00 PM | 33.79787 | 52.50022 | 18.70235 | 28.67765 | 36.35016 | 2.55229 | 45.78771 | 33.45974 | -0.33813 | 49.80813 | 44.02708 | 10.22921 | 31.98079 |
| 2/17/2025 | 1:00:00 PM | 33.8079 | 52.50737 | 18.69947 | 28.68053 | 36.35374 | 2.54584 | 45.79416 | 33.46701 | -0.34089 | 49.81089 | 44.00565 | 10.19775 | 32.01225 |
| 2/17/2025 | 2:00:00 PM | 33.82128 | 52.52167 | 18.70039 | 28.67961 | 36.36448 | 2.5432 | 45.7968 | 33.47791 | -0.34337 | 49.81337 | 44.04851 | 10.22723 | 31.98277 |
| 2/17/2025 | 3:00:00 PM | 33.83465 | 52.55028 | 18.71563 | 28.66437 | 36.37164 | 2.53699 | 45.80301 | 33.49244 | -0.34221 | 49.81221 | 44.09137 | 10.25672 | 31.95328 |
| 2/17/2025 | 4:00:00 PM | 33.84468 | 52.56816 | 18.72348 | 28.65652 | 36.3788 | 2.53412 | 45.80588 | 33.50335 | -0.34133 | 49.81133 | 44.11279 | 10.26811 | 31.94189 |
| 2/17/2025 | 5:00:00 PM | 33.85137 | 52.58247 | 18.7311 | 28.6489 | 36.38596 | 2.53459 | 45.80541 | 33.51788 | -0.33349 | 49.80349 | 44.14494 | 10.29357 | 31.91643 |
| 2/17/2025 | 6:00:00 PM | 33.8614 | 52.60035 | 18.73895 | 28.64105 | 36.38596 | 2.52456 | 45.81544 | 33.53605 | -0.32535 | 49.79535 | 44.18422 | 10.32282 | 31.88718 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/17/2025 | 7:00:00 PM | 33.86809 | 52.6075 | 18.73941 | 28.64059 | 36.39312 | 2.52503 | 45.81497 | 33.54696 | -0.32113 | 49.79113 | 44.21279 | 10.3447 | 31.8653 |
| 2/17/2025 | 8:00:00 PM | 33.86475 | 52.6218 | 18.75705 | 28.62295 | 36.41102 | 2.54627 | 45.79373 | 33.56149 | -0.30326 | 49.77326 | 44.25565 | 10.3909 | 31.8191 |
| 2/17/2025 | 9:00:00 PM | 33.87144 | 52.64326 | 18.77182 | 28.60818 | 36.41817 | 2.54673 | 45.79327 | 33.57966 | -0.29178 | 49.76178 | 44.46278 | 10.59134 | 31.61866 |
| 2/17/2025 | 10:00:00 PM | 33.87812 | 52.66472 | 18.7866 | 28.5934 | 36.42533 | 2.54721 | 45.79279 | 33.59057 | -0.28755 | 49.75755 | 44.50207 | 10.62395 | 31.58605 |
| 2/17/2025 | 11:00:00 PM | 33.88481 | 52.67544 | 18.79063 | 28.58937 | 36.43607 | 2.55126 | 45.78874 | 33.60147 | -0.28334 | 49.75334 | 44.51992 | 10.63511 | 31.57489 |
| 2/18/2025 | 12:00:00 AM | 33.89484 | 52.70763 | 18.81279 | 28.56721 | 36.44323 | 2.54839 | 45.79161 | 33.61237 | -0.28247 | 49.75247 | 44.54135 | 10.64651 | 31.56349 |
| 2/18/2025 | 1:00:00 AM | 33.90488 | 52.73266 | 18.82778 | 28.55222 | 36.45039 | 2.54551 | 45.79449 | 33.63054 | -0.27434 | 49.74434 | 44.57706 | 10.67218 | 31.53782 |
| 2/18/2025 | 2:00:00 AM | 33.90822 | 52.73981 | 18.83159 | 28.54841 | 36.46113 | 2.55291 | 45.78709 | 33.64144 | -0.26678 | 49.73678 | 44.59135 | 10.68313 | 31.52687 |
| 2/18/2025 | 3:00:00 AM | 33.9216 | 52.75769 | 18.83609 | 28.54391 | 36.46829 | 2.54669 | 45.79331 | 33.65598 | -0.26562 | 49.73562 | 44.60921 | 10.68761 | 31.52239 |
| 2/18/2025 | 4:00:00 AM | 33.92494 | 52.75769 | 18.83275 | 28.54725 | 36.47187 | 2.54693 | 45.79307 | 33.66325 | -0.26169 | 49.73169 | 44.60563 | 10.68069 | 31.52931 |
| 2/18/2025 | 5:00:00 AM | 33.92828 | 52.76842 | 18.84014 | 28.53986 | 36.48619 | 2.55791 | 45.78209 | 33.67415 | -0.25413 | 49.72413 | 44.61992 | 10.69164 | 31.51836 |
| 2/18/2025 | 6:00:00 AM | 33.9216 | 52.772 | 18.8504 | 28.5296 | 36.48261 | 2.56101 | 45.77899 | 33.67779 | -0.24381 | 49.71381 | 44.60206 | 10.68046 | 31.52954 |
| 2/18/2025 | 7:00:00 AM | 33.92828 | 52.772 | 18.84372 | 28.53628 | 36.48619 | 2.55791 | 45.78209 | 33.68142 | -0.24686 | 49.71686 | 44.59849 | 10.67021 | 31.53979 |
| 2/18/2025 | 8:00:00 AM | 33.93832 | 52.78988 | 18.85156 | 28.52844 | 36.48619 | 2.54787 | 45.79213 | 33.68869 | -0.24963 | 49.71963 | 44.62706 | 10.68874 | 31.52126 |
| 2/18/2025 | 9:00:00 AM | 33.94166 | 52.80061 | 18.85895 | 28.52105 | 36.48977 | 2.54811 | 45.79189 | 33.69959 | -0.24207 | 49.71207 | 44.65206 | 10.7104 | 31.4996 |
| 2/18/2025 | 10:00:00 AM | 33.93832 | 52.79345 | 18.85513 | 28.52487 | 36.49692 | 2.5586 | 45.7814 | 33.70323 | -0.23509 | 49.70509 | 44.62706 | 10.68874 | 31.52126 |
| 2/18/2025 | 11:00:00 AM | 33.95169 | 52.79345 | 18.84176 | 28.53824 | 36.49692 | 2.54523 | 45.79477 | 33.69959 | -0.2521 | 49.7221 | 44.61992 | 10.66823 | 31.54177 |
| 2/18/2025 | 12:00:00 PM | 33.96507 | 52.79345 | 18.82838 | 28.55162 | 36.49692 | 2.53185 | 45.80815 | 33.69959 | -0.26548 | 49.73548 | 44.61278 | 10.64771 | 31.56229 |
| 2/18/2025 | 1:00:00 PM | 33.96841 | 52.772 | 18.80359 | 28.57641 | 36.50766 | 2.53925 | 45.80075 | 33.69596 | -0.27245 | 49.74245 | 44.55564 | 10.58723 | 31.62277 |
| 2/18/2025 | 2:00:00 PM | 33.96172 | 52.73624 | 18.77452 | 28.60548 | 36.50408 | 2.54236 | 45.79764 | 33.67052 | -0.2912 | 49.7612 | 44.48421 | 10.52249 | 31.68751 |
| 2/18/2025 | 3:00:00 PM | 33.96172 | 52.73266 | 18.77094 | 28.60906 | 36.51124 | 2.54952 | 45.79048 | 33.66325 | -0.29847 | 49.76847 | 44.46278 | 10.50106 | 31.70894 |
| 2/18/2025 | 4:00:00 PM | 33.96172 | 52.73266 | 18.77094 | 28.60906 | 36.51482 | 2.5531 | 45.7869 | 33.65598 | -0.30574 | 49.77574 | 44.46278 | 10.50106 | 31.70894 |
| 2/18/2025 | 5:00:00 PM | 33.96172 | 52.73266 | 18.77094 | 28.60906 | 36.5184 | 2.55668 | 45.78332 | 33.65598 | -0.30574 | 49.77574 | 44.4485 | 10.48678 | 31.72322 |
| 2/18/2025 | 6:00:00 PM | 33.94166 | 52.71121 | 18.76955 | 28.61045 | 36.51482 | 2.57316 | 45.76684 | 33.64508 | -0.29658 | 49.76658 | 44.40207 | 10.46041 | 31.74959 |
| 2/18/2025 | 7:00:00 PM | 33.92494 | 52.6826 | 18.75766 | 28.62234 | 36.5184 | 2.59346 | 45.74654 | 33.62691 | -0.29803 | 49.76803 | 44.3485 | 10.42356 | 31.78644 |
| 2/18/2025 | 8:00:00 PM | 33.91156 | 52.67187 | 18.76031 | 28.61969 | 36.51124 | 2.59968 | 45.74032 | 33.6051 | -0.30646 | 49.77646 | 44.31636 | 10.4048 | 31.8052 |
| 2/18/2025 | 9:00:00 PM | 33.89484 | 52.65399 | 18.75915 | 28.62085 | 36.51482 | 2.61998 | 45.72002 | 33.59057 | -0.30427 | 49.77427 | 44.26993 | 10.37509 | 31.83491 |
| 2/18/2025 | 10:00:00 PM | 33.88481 | 52.63968 | 18.75487 | 28.62513 | 36.51482 | 2.63001 | 45.70999 | 33.5724 | -0.31241 | 49.78241 | 44.24136 | 10.35655 | 31.85345 |
| 2/18/2025 | 11:00:00 PM | 33.87144 | 52.61108 | 18.73964 | 28.64036 | 36.51124 | 2.6398 | 45.7002 | 33.55422 | -0.31722 | 49.78722 | 44.17708 | 10.30564 | 31.90436 |
| 2/19/2025 | 12:00:00 AM | 33.85806 | 52.58604 | 18.72798 | 28.65202 | 36.50766 | 2.6496 | 45.6904 | 33.53242 | -0.32564 | 49.79564 | 44.13422 | 10.27616 | 31.93384 |
| 2/19/2025 | 1:00:00 AM | 33.84803 | 52.57889 | 18.73086 | 28.64914 | 36.50408 | 2.65605 | 45.68395 | 33.51788 | -0.33015 | 49.80015 | 44.09137 | 10.24334 | 31.96666 |
| 2/19/2025 | 2:00:00 AM | 33.84134 | 52.55743 | 18.71609 | 28.66391 | 36.49334 | 2.652 | 45.688 | 33.49608 | -0.34526 | 49.81526 | 44.04494 | 10.2036 | 32.0064 |
| 2/19/2025 | 3:00:00 AM | 33.84134 | 52.55386 | 18.71252 | 28.66748 | 36.48619 | 2.64485 | 45.69515 | 33.48154 | -0.3598 | 49.8298 | 44.00923 | 10.16789 | 32.04211 |
| 2/19/2025 | 4:00:00 AM | 33.83131 | 52.5324 | 18.70109 | 28.67891 | 36.46829 | 2.63698 | 45.70302 | 33.45974 | -0.37157 | 49.84157 | 43.97351 | 10.1422 | 32.0678 |
| 2/19/2025 | 5:00:00 AM | 33.81793 | 52.50022 | 18.68229 | 28.69771 | 36.46471 | 2.64678 | 45.69322 | 33.43793 | -0.38 | 49.85 | 43.90923 | 10.0913 | 32.1187 |
| 2/19/2025 | 6:00:00 AM | 33.70758 | 52.46088 | 18.7533 | 28.6267 | 36.45039 | 2.74281 | 45.59719 | 33.40886 | -0.29872 | 49.76872 | 43.83066 | 10.12308 | 32.08692 |
| 2/19/2025 | 7:00:00 AM | 33.70758 | 52.43227 | 18.72469 | 28.65531 | 36.43607 | 2.72849 | 45.61151 | 33.38342 | -0.32416 | 49.79416 | 43.7878 | 10.08022 | 32.12978 |
| 2/19/2025 | 8:00:00 AM | 33.71427 | 52.4573 | 18.74303 | 28.63697 | 36.43249 | 2.71822 | 45.62178 | 33.37615 | -0.33812 | 49.80812 | 43.80566 | 10.09139 | 32.11861 |
| 2/19/2025 | 9:00:00 AM | 33.72764 | 52.47876 | 18.75112 | 28.62888 | 36.42175 | 2.69411 | 45.64589 | 33.37979 | -0.34785 | 49.81785 | 43.83423 | 10.10659 | 32.10341 |
| 2/19/2025 | 10:00:00 AM | 33.74102 | 52.50379 | 18.76277 | 28.61723 | 36.40386 | 2.66284 | 45.67716 | 33.37979 | -0.36123 | 49.83123 | 43.87709 | 10.13607 | 32.07393 |
| 2/19/2025 | 11:00:00 AM | 33.76108 | 52.5324 | 18.77132 | 28.60868 | 36.40028 | 2.6392 | 45.7008 | 33.40159 | -0.35949 | 49.82949 | 43.93066 | 10.16958 | 32.04042 |
| 2/19/2025 | 12:00:00 PM | 33.77446 | 52.53955 | 18.76509 | 28.61491 | 36.3967 | 2.62224 | 45.71776 | 33.41249 | -0.36197 | 49.83197 | 43.95566 | 10.1812 | 32.0288 |
| 2/19/2025 | 1:00:00 PM | 33.78115 | 52.53955 | 18.7584 | 28.6216 | 36.39312 | 2.61197 | 45.72803 | 33.41613 | -0.36502 | 49.83502 | 43.9378 | 10.15665 | 32.05335 |
| 2/19/2025 | 2:00:00 PM | 33.78784 | 52.56459 | 18.77675 | 28.60325 | 36.38238 | 2.59454 | 45.74546 | 33.42703 | -0.36081 | 49.83081 | 43.99137 | 10.20353 | 32.00647 |
| 2/19/2025 | 3:00:00 PM | 33.8079 | 52.57531 | 18.76741 | 28.61259 | 36.38954 | 2.58164 | 45.75836 | 33.4343 | -0.3736 | 49.8436 | 44.01637 | 10.20847 | 32.00153 |
| 2/19/2025 | 4:00:00 PM | 33.83131 | 52.62896 | 18.79765 | 28.58235 | 36.38238 | 2.55107 | 45.78893 | 33.47791 | -0.3534 | 49.8234 | 44.11994 | 10.28863 | 31.92137 |
| 2/19/2025 | 5:00:00 PM | 33.84803 | 52.67187 | 18.82384 | 28.55616 | 36.3967 | 2.54867 | 45.79133 | 33.50335 | -0.34468 | 49.81468 | 44.20565 | 10.35762 | 31.85238 |
| 2/19/2025 | 6:00:00 PM | 33.86475 | 52.70405 | 18.8393 | 28.5407 | 36.40386 | 2.53911 | 45.80089 | 33.52515 | -0.3396 | 49.8096 | 44.28422 | 10.41947 | 31.79053 |
| 2/19/2025 | 7:00:00 PM | 33.88147 | 52.75412 | 18.87265 | 28.50735 | 36.4146 | 2.53313 | 45.80687 | 33.56513 | -0.31634 | 49.78634 | 44.35564 | 10.47417 | 31.73583 |
| 2/19/2025 | 8:00:00 PM | 33.8915 | 52.78273 | 18.89123 | 28.48877 | 36.40744 | 2.51594 | 45.82406 | 33.59783 | -0.29367 | 49.76367 | 44.4235 | 10.532 | 31.678 |
| 2/19/2025 | 9:00:00 PM | 33.90488 | 52.82206 | 18.91718 | 28.46282 | 36.40744 | 2.50256 | 45.83744 | 33.62327 | -0.28161 | 49.75161 | 44.49135 | 10.58647 | 31.62353 |
| 2/19/2025 | 10:00:00 PM | 33.91491 | 52.85067 | 18.93576 | 28.44424 | 36.41817 | 2.50326 | 45.83674 | 33.65598 | -0.25893 | 49.72893 | 44.54492 | 10.63001 | 31.57999 |
| 2/19/2025 | 11:00:00 PM | 33.93497 | 52.88286 | 18.94789 | 28.43211 | 36.41817 | 2.4832 | 45.8568 | 33.68142 | -0.25355 | 49.72355 | 44.60921 | 10.67424 | 31.53576 |
| 2/20/2025 | 12:00:00 AM | 33.94166 | 52.91862 | 18.97696 | 28.40304 | 36.40028 | 2.45862 | 45.88138 | 33.71413 | -0.22753 | 49.69753 | 44.67706 | 10.7354 | 31.4746 |
| 2/20/2025 | 1:00:00 AM | 33.95169 | 52.94723 | 18.99554 | 28.38446 | 36.39312 | 2.44143 | 45.89857 | 33.7432 | -0.20849 | 49.67849 | 44.7092 | 10.75751 | 31.45249 |
| 2/20/2025 | 2:00:00 AM | 33.96841 | 52.97226 | 19.00385 | 28.37615 | 36.38596 | 2.41755 | 45.92245 | 33.77227 | -0.19614 | 49.66614 | 44.7592 | 10.79079 | 31.41921 |
| 2/20/2025 | 3:00:00 AM | 33.97176 | 53.00444 | 19.03268 | 28.34732 | 36.3788 | 2.40704 | 45.93296 | 33.79408 | -0.17768 | 49.64768 | 44.80206 | 10.8303 | 31.3797 |
| 2/20/2025 | 4:00:00 AM | 33.98179 | 53.01517 | 19.03338 | 28.34662 | 36.3788 | 2.39701 | 45.94299 | 33.81588 | -0.16591 | 49.63591 | 44.83777 | 10.85598 | 31.35402 |
| 2/20/2025 | 5:00:00 AM | 33.98513 | 53.02947 | 19.04434 | 28.33566 | 36.3788 | 2.39367 | 45.94633 | 33.84132 | -0.14381 | 49.61381 | 44.86634 | 10.88121 | 31.32879 |
| 2/20/2025 | 6:00:00 AM | 33.98848 | 53.04378 | 19.0553 | 28.3247 | 36.38596 | 2.39748 | 45.94252 | 33.85949 | -0.12899 | 49.59899 | 44.87348 | 10.885 | 31.325 |
| 2/20/2025 | 7:00:00 AM | 33.99182 | 53.05093 | 19.05911 | 28.32089 | 36.38954 | 2.39772 | 45.94228 | 33.8704 | -0.12142 | 49.59142 | 44.88062 | 10.8888 | 31.3212 |
| 2/20/2025 | 8:00:00 AM | 33.99182 | 53.06524 | 19.07342 | 28.30658 | 36.40028 | 2.40846 | 45.93154 | 33.8813 | -0.11052 | 49.58052 | 44.90205 | 10.91023 | 31.29977 |
| 2/20/2025 | 9:00:00 AM | 34.0052 | 53.08669 | 19.08149 | 28.29851 | 36.40744 | 2.40224 | 45.93776 | 33.9031 | -0.1021 | 49.5721 | 44.93062 | 10.92542 | 31.28458 |
| 2/20/2025 | 10:00:00 AM | 34.01523 | 53.101 | 19.08577 | 28.29423 | 36.41817 | 2.40294 | 45.93706 | 33.92128 | -0.09395 | 49.56395 | 44.94491 | 10.92968 | 31.28032 |
| 2/20/2025 | 11:00:00 AM | 34.02192 | 53.101 | 19.07908 | 28.30092 | 36.42891 | 2.40699 | 45.93301 | 33.92854 | -0.09338 | 49.56338 | 44.93777 | 10.91585 | 31.29415 |
| 2/20/2025 | 12:00:00 PM | 34.01857 | 53.08669 | 19.06812 | 28.31188 | 36.43249 | 2.41392 | 45.92608 | 33.92854 | -0.09003 | 49.56003 | 44.90562 | 10.88705 | 31.32295 |
| 2/20/2025 | 1:00:00 PM | 34.01188 | 53.06524 | 19.05336 | 28.32664 | 36.44323 | 2.43135 | 45.90865 | 33.92128 | -0.0906 | 49.5606 | 44.86277 | 10.85089 | 31.35911 |
| 2/20/2025 | 2:00:00 PM | 34.00854 | 53.05808 | 19.04954 | 28.33046 | 36.45397 | 2.44543 | 45.89457 | 33.91401 | -0.09453 | 49.56453 | 44.83063 | 10.82209 | 31.38791 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/20/2025 | 3:00:00 PM | 33.98513 | 52.99729 | 19.01216 | 28.36784 | 36.46829 | 2.48316 | 45.85684 | 33.91764 | -0.06749 | 49.53749 | 44.80206 | 10.81693 | 31.39307 |
| 2/20/2025 | 4:00:00 PM | 33.97844 | 52.97226 | 18.99382 | 28.38618 | 36.49334 | 2.5149 | 45.8251 | 33.91037 | -0.06807 | 49.53807 | 44.81634 | 10.8379 | 31.3721 |
| 2/20/2025 | 5:00:00 PM | 33.98848 | 52.99729 | 19.00881 | 28.37119 | 36.48619 | 2.49771 | 45.84229 | 33.92128 | -0.0672 | 49.5372 | 44.84848 | 10.86 | 31.35 |
| 2/20/2025 | 6:00:00 PM | 33.98848 | 53.00444 | 19.01596 | 28.36404 | 36.49334 | 2.50486 | 45.83514 | 33.92491 | -0.06357 | 49.53357 | 44.84134 | 10.85286 | 31.35714 |
| 2/20/2025 | 7:00:00 PM | 33.9751 | 52.99371 | 19.01861 | 28.36139 | 36.49334 | 2.51824 | 45.82176 | 33.91764 | -0.05746 | 49.52746 | 44.8092 | 10.8341 | 31.3759 |
| 2/20/2025 | 8:00:00 PM | 33.96841 | 52.99371 | 19.0253 | 28.3547 | 36.48977 | 2.52136 | 45.81864 | 33.91764 | -0.05077 | 49.52077 | 44.78777 | 10.81936 | 31.39064 |
| 2/20/2025 | 9:00:00 PM | 33.95169 | 52.96868 | 19.01699 | 28.36301 | 36.49692 | 2.54523 | 45.79477 | 33.9031 | -0.04859 | 49.51859 | 44.73777 | 10.78608 | 31.42392 |
| 2/20/2025 | 10:00:00 PM | 33.94835 | 52.96511 | 19.01676 | 28.36324 | 36.5005 | 2.55215 | 45.78785 | 33.89584 | -0.05251 | 49.52251 | 44.72706 | 10.77871 | 31.43129 |
| 2/20/2025 | 11:00:00 PM | 33.94166 | 52.94723 | 19.00557 | 28.37443 | 36.5005 | 2.55884 | 45.78116 | 33.88493 | -0.05673 | 49.52673 | 44.68777 | 10.74611 | 31.46389 |
| 2/21/2025 | 12:00:00 AM | 33.93832 | 52.94007 | 19.00175 | 28.37825 | 36.50408 | 2.56576 | 45.77424 | 33.86676 | -0.07156 | 49.54156 | 44.65206 | 10.71374 | 31.49626 |
| 2/21/2025 | 1:00:00 AM | 33.92828 | 52.92219 | 18.99391 | 28.38609 | 36.51124 | 2.58296 | 45.75704 | 33.84859 | -0.07969 | 49.54969 | 44.59849 | 10.67021 | 31.53979 |
| 2/21/2025 | 2:00:00 AM | 33.9216 | 52.92935 | 19.00775 | 28.37225 | 36.5363 | 2.6147 | 45.7253 | 33.84496 | -0.07664 | 49.54664 | 44.58063 | 10.65903 | 31.55097 |
| 2/21/2025 | 3:00:00 AM | 33.92494 | 52.92935 | 19.00441 | 28.37559 | 36.55062 | 2.62568 | 45.71432 | 33.83406 | -0.09088 | 49.56088 | 44.58063 | 10.65569 | 31.55431 |
| 2/21/2025 | 4:00:00 AM | 33.91156 | 52.90789 | 18.99633 | 28.38367 | 36.55778 | 2.64622 | 45.69378 | 33.82315 | -0.08841 | 49.55841 | 44.53421 | 10.62265 | 31.58735 |
| 2/21/2025 | 5:00:00 AM | 33.90153 | 52.87928 | 18.97775 | 28.40225 | 36.56136 | 2.65983 | 45.68017 | 33.80498 | -0.09655 | 49.56655 | 44.4735 | 10.57197 | 31.63803 |
| 2/21/2025 | 6:00:00 AM | 33.87478 | 52.83994 | 18.96516 | 28.41484 | 36.56852 | 2.69374 | 45.64626 | 33.77954 | -0.09524 | 49.56524 | 44.37707 | 10.50229 | 31.70771 |
| 2/21/2025 | 7:00:00 AM | 33.87144 | 52.81491 | 18.94347 | 28.43653 | 36.57925 | 2.70781 | 45.63219 | 33.74684 | -0.1246 | 49.5946 | 44.33779 | 10.46635 | 31.74365 |
| 2/21/2025 | 8:00:00 AM | 33.8614 | 52.80418 | 18.94278 | 28.43722 | 36.58283 | 2.72143 | 45.61857 | 33.72866 | -0.13274 | 49.60274 | 44.30207 | 10.44067 | 31.76933 |
| 2/21/2025 | 9:00:00 AM | 33.87144 | 52.82206 | 18.95062 | 28.42938 | 36.59357 | 2.72213 | 45.61787 | 33.72503 | -0.14641 | 49.61641 | 44.33064 | 10.4592 | 31.7508 |
| 2/21/2025 | 10:00:00 AM | 33.86475 | 52.80418 | 18.93943 | 28.44057 | 36.59715 | 2.7324 | 45.6076 | 33.7214 | -0.14335 | 49.61335 | 44.2735 | 10.40875 | 31.80125 |
| 2/21/2025 | 11:00:00 AM | 33.87478 | 52.81133 | 18.93655 | 28.44345 | 36.59357 | 2.71879 | 45.62121 | 33.70686 | -0.16792 | 49.63792 | 44.29136 | 10.41658 | 31.79342 |
| 2/21/2025 | 12:00:00 PM | 33.87812 | 52.81491 | 18.93679 | 28.44321 | 36.59357 | 2.71545 | 45.62455 | 33.70323 | -0.17489 | 49.64489 | 44.30564 | 10.42752 | 31.78248 |
| 2/21/2025 | 1:00:00 PM | 33.86809 | 52.7863 | 18.91821 | 28.46179 | 36.59715 | 2.72906 | 45.61094 | 33.68869 | -0.1794 | 49.6494 | 44.23422 | 10.36613 | 31.84387 |
| 2/21/2025 | 2:00:00 PM | 33.87478 | 52.78273 | 18.90795 | 28.47205 | 36.59715 | 2.72237 | 45.61763 | 33.67052 | -0.20426 | 49.67426 | 44.20565 | 10.33087 | 31.87913 |
| 2/21/2025 | 3:00:00 PM | 33.87478 | 52.77557 | 18.90079 | 28.47921 | 36.59715 | 2.72237 | 45.61763 | 33.66325 | -0.21153 | 49.68153 | 44.18779 | 10.31301 | 31.89699 |
| 2/21/2025 | 4:00:00 PM | 33.87478 | 52.772 | 18.89722 | 28.48278 | 36.58641 | 2.71163 | 45.62837 | 33.66688 | -0.2079 | 49.6779 | 44.19136 | 10.31658 | 31.89342 |
| 2/21/2025 | 5:00:00 PM | 33.86809 | 52.76485 | 18.89676 | 28.48324 | 36.58999 | 2.7219 | 45.6181 | 33.65235 | -0.21574 | 49.68574 | 44.17708 | 10.30899 | 31.90101 |
| 2/21/2025 | 6:00:00 PM | 33.86809 | 52.76127 | 18.89318 | 28.48682 | 36.58641 | 2.71832 | 45.62168 | 33.64508 | -0.22301 | 49.69301 | 44.15565 | 10.28756 | 31.92244 |
| 2/21/2025 | 7:00:00 PM | 33.87144 | 52.75769 | 18.88625 | 28.49375 | 36.58641 | 2.71497 | 45.62503 | 33.64144 | -0.23 | 49.7 | 44.14494 | 10.2735 | 31.9365 |
| 2/21/2025 | 8:00:00 PM | 33.86809 | 52.75412 | 18.88603 | 28.49397 | 36.58283 | 2.71474 | 45.62526 | 33.63054 | -0.23755 | 49.70755 | 44.12708 | 10.25899 | 31.95101 |
| 2/21/2025 | 9:00:00 PM | 33.85472 | 52.72551 | 18.87079 | 28.50921 | 36.57567 | 2.72095 | 45.61905 | 33.61237 | -0.24235 | 49.71235 | 44.09494 | 10.24022 | 31.96978 |
| 2/21/2025 | 10:00:00 PM | 33.86475 | 52.75054 | 18.88579 | 28.49421 | 36.58641 | 2.72166 | 45.61834 | 33.61964 | -0.24511 | 49.71511 | 44.14494 | 10.28019 | 31.92981 |
| 2/21/2025 | 11:00:00 PM | 33.87144 | 52.75054 | 18.8791 | 28.5009 | 36.57567 | 2.70423 | 45.63577 | 33.61601 | -0.25543 | 49.72543 | 44.11994 | 10.2485 | 31.9615 |
| 2/22/2025 | 12:00:00 AM | 33.87144 | 52.76842 | 18.89698 | 28.48302 | 36.56494 | 2.6935 | 45.6465 | 33.62327 | -0.24817 | 49.71817 | 44.15922 | 10.28778 | 31.92222 |
| 2/22/2025 | 1:00:00 AM | 33.88147 | 52.76485 | 18.88338 | 28.49662 | 36.56494 | 2.68347 | 45.65653 | 33.61964 | -0.26183 | 49.73183 | 44.14136 | 10.25989 | 31.95011 |
| 2/22/2025 | 2:00:00 AM | 33.87812 | 52.76127 | 18.88315 | 28.49685 | 36.56494 | 2.68682 | 45.65318 | 33.62327 | -0.25485 | 49.72485 | 44.13422 | 10.2561 | 31.9539 |
| 2/22/2025 | 3:00:00 AM | 33.88147 | 52.77915 | 18.89768 | 28.48232 | 36.56136 | 2.67989 | 45.66011 | 33.61601 | -0.26546 | 49.73546 | 44.15208 | 10.27061 | 31.93939 |
| 2/22/2025 | 4:00:00 AM | 33.88481 | 52.78273 | 18.89792 | 28.48208 | 36.55778 | 2.67297 | 45.66703 | 33.61964 | -0.26517 | 49.73517 | 44.14136 | 10.25655 | 31.95345 |
| 2/22/2025 | 5:00:00 AM | 33.86475 | 52.75054 | 18.88579 | 28.49421 | 36.55062 | 2.68587 | 45.65413 | 33.61237 | -0.25238 | 49.72238 | 44.15208 | 10.28733 | 31.92267 |
| 2/22/2025 | 6:00:00 AM | 33.86809 | 52.72909 | 18.861 | 28.519 | 36.54704 | 2.67895 | 45.66105 | 33.6051 | -0.26299 | 49.73299 | 44.11279 | 10.2447 | 31.9653 |
| 2/22/2025 | 7:00:00 AM | 33.85806 | 52.72551 | 18.86745 | 28.51255 | 36.54346 | 2.6854 | 45.6546 | 33.60874 | -0.24932 | 49.71932 | 44.10922 | 10.25116 | 31.95884 |
| 2/22/2025 | 8:00:00 AM | 33.85137 | 52.70763 | 18.85626 | 28.52374 | 36.54704 | 2.69567 | 45.64433 | 33.59057 | -0.2608 | 49.7308 | 44.07351 | 10.22214 | 31.98786 |
| 2/22/2025 | 9:00:00 AM | 33.85137 | 52.70048 | 18.84911 | 28.53089 | 36.52198 | 2.67061 | 45.66939 | 33.57966 | -0.27171 | 49.74171 | 44.04494 | 10.19357 | 32.01643 |
| 2/22/2025 | 10:00:00 AM | 33.84134 | 52.67187 | 18.83053 | 28.54947 | 36.5363 | 2.69496 | 45.64504 | 33.56876 | -0.27258 | 49.74258 | 44.00208 | 10.16074 | 32.04926 |
| 2/22/2025 | 11:00:00 AM | 33.83131 | 52.64684 | 18.81553 | 28.56447 | 36.52914 | 2.69783 | 45.64217 | 33.53969 | -0.29162 | 49.76162 | 43.96637 | 10.13506 | 32.07494 |
| 2/22/2025 | 12:00:00 PM | 33.81793 | 52.6075 | 18.78957 | 28.59043 | 36.52198 | 2.70405 | 45.63595 | 33.50698 | -0.31095 | 49.78095 | 43.9128 | 10.09487 | 32.11513 |
| 2/22/2025 | 1:00:00 PM | 33.79452 | 52.55028 | 18.75576 | 28.62424 | 36.50408 | 2.70956 | 45.63044 | 33.47064 | -0.32388 | 49.79388 | 43.87709 | 10.08257 | 32.12743 |
| 2/22/2025 | 2:00:00 PM | 33.7778 | 52.50022 | 18.72242 | 28.65758 | 36.49334 | 2.71554 | 45.62446 | 33.43793 | -0.33987 | 49.80987 | 43.84852 | 10.07072 | 32.13928 |
| 2/22/2025 | 3:00:00 PM | 33.66745 | 52.45373 | 18.78628 | 28.59372 | 36.47187 | 2.80442 | 45.53558 | 33.39069 | -0.27676 | 49.74676 | 43.81637 | 10.14892 | 32.06108 |
| 2/22/2025 | 4:00:00 PM | 33.6942 | 52.50737 | 18.81317 | 28.56683 | 36.46829 | 2.77409 | 45.56591 | 33.39069 | -0.30351 | 49.77351 | 43.8628 | 10.1686 | 32.0414 |
| 2/22/2025 | 5:00:00 PM | 33.69755 | 52.52167 | 18.82412 | 28.55588 | 36.45397 | 2.75642 | 45.58358 | 33.39069 | -0.30686 | 49.77686 | 43.8878 | 10.19025 | 32.01975 |
| 2/22/2025 | 6:00:00 PM | 33.6942 | 52.51452 | 18.82032 | 28.55968 | 36.43965 | 2.74545 | 45.59455 | 33.37979 | -0.31441 | 49.78441 | 43.8628 | 10.1686 | 32.0414 |
| 2/22/2025 | 7:00:00 PM | 33.70758 | 52.53955 | 18.83197 | 28.54803 | 36.43249 | 2.72491 | 45.61509 | 33.37979 | -0.32779 | 49.79779 | 43.89852 | 10.19094 | 32.01906 |
| 2/22/2025 | 8:00:00 PM | 33.70089 | 52.52525 | 18.82436 | 28.55564 | 36.42533 | 2.72444 | 45.61556 | 33.37979 | -0.3211 | 49.7911 | 43.86637 | 10.16548 | 32.04452 |
| 2/22/2025 | 9:00:00 PM | 33.71092 | 52.54313 | 18.83221 | 28.54779 | 36.4146 | 2.70368 | 45.63632 | 33.38342 | -0.3275 | 49.7975 | 43.89494 | 10.18402 | 32.02598 |
| 2/22/2025 | 10:00:00 PM | 33.72096 | 52.55386 | 18.8329 | 28.5471 | 36.40744 | 2.68648 | 45.65352 | 33.37979 | -0.34117 | 49.81117 | 43.90566 | 10.1847 | 32.0253 |
| 2/22/2025 | 11:00:00 PM | 33.72764 | 52.58604 | 18.8584 | 28.5216 | 36.40744 | 2.6798 | 45.6602 | 33.38705 | -0.34059 | 49.81059 | 43.9378 | 10.21016 | 31.99984 |
| 2/23/2025 | 12:00:00 AM | 33.74102 | 52.59319 | 18.85217 | 28.52783 | 36.38954 | 2.64852 | 45.69148 | 33.39796 | -0.34306 | 49.81306 | 43.94494 | 10.20392 | 32.00608 |
| 2/23/2025 | 1:00:00 AM | 33.73433 | 52.58962 | 18.85529 | 28.52471 | 36.38954 | 2.65521 | 45.68479 | 33.39432 | -0.34001 | 49.81001 | 43.93066 | 10.19633 | 32.01367 |
| 2/23/2025 | 2:00:00 AM | 33.73433 | 52.58962 | 18.85529 | 28.52471 | 36.38238 | 2.64805 | 45.69195 | 33.38342 | -0.35091 | 49.82091 | 43.93066 | 10.19633 | 32.01367 |
| 2/23/2025 | 3:00:00 AM | 33.73768 | 52.6075 | 18.86982 | 28.51018 | 36.38238 | 2.6447 | 45.6953 | 33.39069 | -0.34699 | 49.81699 | 43.94851 | 10.21083 | 31.99917 |
| 2/23/2025 | 4:00:00 AM | 33.74102 | 52.61823 | 18.87721 | 28.50279 | 36.37522 | 2.6342 | 45.7058 | 33.38342 | -0.3576 | 49.8276 | 43.94494 | 10.20392 | 32.00608 |
| 2/23/2025 | 5:00:00 AM | 33.75105 | 52.63968 | 18.88863 | 28.49137 | 36.37164 | 2.62059 | 45.71941 | 33.39796 | -0.35309 | 49.82309 | 43.99494 | 10.24389 | 31.96611 |
| 2/23/2025 | 6:00:00 AM | 33.74771 | 52.64684 | 18.89913 | 28.48087 | 36.37164 | 2.62393 | 45.71607 | 33.40886 | -0.33885 | 49.80885 | 44.01994 | 10.27223 | 31.93777 |
| 2/23/2025 | 7:00:00 AM | 33.75774 | 52.66829 | 18.91055 | 28.46945 | 36.37522 | 2.61748 | 45.72252 | 33.4234 | -0.33434 | 49.80434 | 44.0628 | 10.30506 | 31.90494 |
| 2/23/2025 | 8:00:00 AM | 33.76108 | 52.6826 | 18.92152 | 28.45848 | 36.36806 | 2.60698 | 45.73302 | 33.4343 | -0.32678 | 49.79678 | 44.06637 | 10.30529 | 31.90471 |
| 2/23/2025 | 9:00:00 AM | 33.76443 | 52.68617 | 18.92174 | 28.45826 | 36.36806 | 2.60363 | 45.73637 | 33.43793 | -0.3265 | 49.7965 | 44.10208 | 10.33765 | 31.87235 |
| 2/23/2025 | 10:00:00 AM | 33.76443 | 52.6826 | 18.91817 | 28.46183 | 36.3788 | 2.61437 | 45.72563 | 33.43793 | -0.3265 | 49.7965 | 44.08422 | 10.31979 | 31.89021 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/23/2025 | 11:00:00 AM | 33.75105 | 52.66114 | 18.91009 | 28.46991 | 36.36806 | 2.61701 | 45.72299 | 33.4234 | -0.32765 | 49.79765 | 44.03422 | 10.28317 | 31.92683 |
| 2/23/2025 | 12:00:00 PM | 33.75105 | 52.63611 | 18.88506 | 28.49494 | 36.37522 | 2.62417 | 45.71583 | 33.41613 | -0.33492 | 49.80492 | 43.99494 | 10.24389 | 31.96611 |
| 2/23/2025 | 1:00:00 PM | 33.72764 | 52.60035 | 18.87271 | 28.50729 | 36.36806 | 2.64042 | 45.69958 | 33.38705 | -0.34059 | 49.81059 | 43.91637 | 10.18873 | 32.02127 |
| 2/23/2025 | 2:00:00 PM | 33.71427 | 52.56101 | 18.84674 | 28.53326 | 36.36448 | 2.65021 | 45.68979 | 33.36161 | -0.35266 | 49.82266 | 43.85209 | 10.13782 | 32.07218 |
| 2/23/2025 | 3:00:00 PM | 33.69086 | 52.52167 | 18.83081 | 28.54919 | 36.35374 | 2.66288 | 45.67712 | 33.33254 | -0.35832 | 49.82832 | 43.7878 | 10.09694 | 32.11306 |
| 2/23/2025 | 4:00:00 PM | 33.60392 | 52.5181 | 18.91418 | 28.46582 | 36.35016 | 2.74624 | 45.59376 | 33.31437 | -0.28955 | 49.75955 | 43.77709 | 10.17317 | 32.03683 |
| 2/23/2025 | 5:00:00 PM | 33.59723 | 52.50737 | 18.91014 | 28.46986 | 36.33942 | 2.74219 | 45.59781 | 33.29257 | -0.30466 | 49.77466 | 43.74495 | 10.14772 | 32.06228 |
| 2/23/2025 | 6:00:00 PM | 33.62064 | 52.54313 | 18.92249 | 28.45751 | 36.33585 | 2.71521 | 45.62479 | 33.2853 | -0.33534 | 49.80534 | 43.80209 | 10.18145 | 32.02855 |
| 2/23/2025 | 7:00:00 PM | 33.65742 | 52.61465 | 18.95723 | 28.42277 | 36.33227 | 2.67485 | 45.66515 | 33.318 | -0.33942 | 49.80942 | 43.94851 | 10.29109 | 31.91891 |
| 2/23/2025 | 8:00:00 PM | 33.68083 | 52.67902 | 18.99819 | 28.38181 | 36.33227 | 2.65144 | 45.68856 | 33.37252 | -0.30831 | 49.77831 | 44.08779 | 10.40696 | 31.80304 |
| 2/23/2025 | 9:00:00 PM | 33.71092 | 52.76127 | 19.05035 | 28.32965 | 36.33585 | 2.62493 | 45.71507 | 33.41249 | -0.29843 | 49.76843 | 44.20565 | 10.49473 | 31.71527 |
| 2/23/2025 | 10:00:00 PM | 33.72764 | 52.80061 | 19.07297 | 28.30703 | 36.33942 | 2.61178 | 45.72822 | 33.45247 | -0.27517 | 49.74517 | 44.28064 | 10.553 | 31.657 |
| 2/23/2025 | 11:00:00 PM | 33.73768 | 52.82564 | 19.08796 | 28.29204 | 36.343 | 2.60532 | 45.73468 | 33.47427 | -0.26341 | 49.73341 | 44.32707 | 10.58939 | 31.62061 |
| 2/24/2025 | 12:00:00 AM | 33.71427 | 52.78273 | 19.06846 | 28.31154 | 36.34658 | 2.63231 | 45.70769 | 33.49971 | -0.21456 | 49.68456 | 44.38064 | 10.66637 | 31.54363 |
| 2/24/2025 | 1:00:00 AM | 33.73768 | 52.81133 | 19.07365 | 28.30635 | 36.35016 | 2.61248 | 45.72752 | 33.52152 | -0.21616 | 49.68616 | 44.44135 | 10.70367 | 31.50633 |
| 2/24/2025 | 2:00:00 AM | 33.73099 | 52.82922 | 19.09823 | 28.28177 | 36.3609 | 2.62991 | 45.71009 | 33.55059 | -0.1804 | 49.6504 | 44.46992 | 10.73893 | 31.47107 |
| 2/24/2025 | 3:00:00 AM | 33.73433 | 52.83637 | 19.10204 | 28.27796 | 36.37164 | 2.63731 | 45.70269 | 33.56876 | -0.16557 | 49.63557 | 44.47707 | 10.74274 | 31.46726 |
| 2/24/2025 | 4:00:00 AM | 33.72096 | 52.80776 | 19.0868 | 28.2932 | 36.38238 | 2.66142 | 45.67858 | 33.56149 | -0.15947 | 49.62947 | 44.41993 | 10.69897 | 31.51103 |
| 2/24/2025 | 5:00:00 AM | 33.7243 | 52.80418 | 19.07988 | 28.30012 | 36.38954 | 2.66524 | 45.67476 | 33.55786 | -0.16644 | 49.63644 | 44.41278 | 10.68848 | 31.52152 |
| 2/24/2025 | 6:00:00 AM | 33.68417 | 52.74697 | 19.0628 | 28.3172 | 36.38954 | 2.70537 | 45.63463 | 33.52879 | -0.15538 | 49.62538 | 44.29493 | 10.61076 | 31.59924 |
| 2/24/2025 | 7:00:00 AM | 33.65742 | 52.6969 | 19.03948 | 28.34052 | 36.3967 | 2.73928 | 45.60072 | 33.49971 | -0.15771 | 49.62771 | 44.19493 | 10.53751 | 31.67249 |
| 2/24/2025 | 8:00:00 AM | 33.64739 | 52.67187 | 19.02448 | 28.35552 | 36.3967 | 2.74931 | 45.59069 | 33.46337 | -0.18402 | 49.65402 | 44.07708 | 10.42969 | 31.78031 |
| 2/24/2025 | 9:00:00 AM | 33.63067 | 52.63253 | 19.00186 | 28.37814 | 36.3967 | 2.76603 | 45.57397 | 33.43066 | -0.20001 | 49.67001 | 44.02351 | 10.39284 | 31.81716 |
| 2/24/2025 | 10:00:00 AM | 33.6106 | 52.60035 | 18.98975 | 28.39025 | 36.38596 | 2.77536 | 45.56464 | 33.41249 | -0.19811 | 49.66811 | 43.95208 | 10.34148 | 31.86852 |
| 2/24/2025 | 11:00:00 AM | 33.60392 | 52.56101 | 18.95709 | 28.42291 | 36.38596 | 2.78204 | 45.55796 | 33.37615 | -0.22777 | 49.69777 | 43.87709 | 10.27317 | 31.93683 |
| 2/24/2025 | 12:00:00 PM | 33.59388 | 52.53955 | 18.94567 | 28.43433 | 36.37522 | 2.78134 | 45.55866 | 33.35071 | -0.24317 | 49.71317 | 43.84852 | 10.25464 | 31.95536 |
| 2/24/2025 | 1:00:00 PM | 33.56044 | 52.43942 | 18.87898 | 28.50102 | 36.3609 | 2.80046 | 45.53954 | 33.29257 | -0.26787 | 49.73787 | 43.75566 | 10.19522 | 32.01478 |
| 2/24/2025 | 2:00:00 PM | 33.5872 | 52.50379 | 18.91659 | 28.46341 | 36.35016 | 2.76296 | 45.57704 | 33.2853 | -0.3019 | 49.7719 | 43.84852 | 10.26132 | 31.94868 |
| 2/24/2025 | 3:00:00 PM | 33.57048 | 52.48949 | 18.91901 | 28.46099 | 36.33942 | 2.76894 | 45.57106 | 33.26713 | -0.30335 | 49.77335 | 43.7878 | 10.21732 | 31.99268 |
| 2/24/2025 | 4:00:00 PM | 33.56713 | 52.4573 | 18.89017 | 28.48983 | 36.33227 | 2.76514 | 45.57486 | 33.24532 | -0.32181 | 49.79181 | 43.74495 | 10.17782 | 32.03218 |
| 2/24/2025 | 5:00:00 PM | 33.56044 | 52.443 | 18.88256 | 28.49744 | 36.31437 | 2.75393 | 45.58607 | 33.22715 | -0.33329 | 49.80329 | 43.71995 | 10.15951 | 32.05049 |
| 2/24/2025 | 6:00:00 PM | 33.53035 | 52.39651 | 18.86616 | 28.51384 | 36.30005 | 2.7697 | 45.5703 | 33.20898 | -0.32137 | 49.79137 | 43.70566 | 10.17531 | 32.03469 |
| 2/24/2025 | 7:00:00 PM | 33.55376 | 52.443 | 18.88924 | 28.49076 | 36.29289 | 2.73913 | 45.60087 | 33.20171 | -0.35205 | 49.82205 | 43.77352 | 10.21976 | 31.99024 |
| 2/24/2025 | 8:00:00 PM | 33.54372 | 52.4287 | 18.88498 | 28.49502 | 36.27857 | 2.73485 | 45.60515 | 33.19808 | -0.34564 | 49.81564 | 43.69852 | 10.1548 | 32.0552 |
| 2/24/2025 | 9:00:00 PM | 33.53035 | 52.41082 | 18.88047 | 28.49953 | 36.26783 | 2.73748 | 45.60252 | 33.18354 | -0.34681 | 49.81681 | 43.67709 | 10.14674 | 32.06326 |
| 2/24/2025 | 10:00:00 PM | 33.52032 | 52.38578 | 18.86546 | 28.51454 | 36.25352 | 2.7332 | 45.6068 | 33.169 | -0.35132 | 49.82132 | 43.64852 | 10.1282 | 32.0818 |
| 2/24/2025 | 11:00:00 PM | 33.527 | 52.40009 | 18.87309 | 28.50691 | 36.24636 | 2.71936 | 45.62064 | 33.1581 | -0.3689 | 49.8389 | 43.64852 | 10.12152 | 32.08848 |
| 2/25/2025 | 12:00:00 AM | 33.51697 | 52.38578 | 18.86881 | 28.51119 | 36.23562 | 2.71865 | 45.62135 | 33.15083 | -0.36614 | 49.83614 | 43.63067 | 10.1137 | 32.0963 |
| 2/25/2025 | 1:00:00 AM | 33.527 | 52.40724 | 18.88024 | 28.49976 | 36.23204 | 2.70504 | 45.63496 | 33.15083 | -0.37617 | 49.84617 | 43.63781 | 10.11081 | 32.09919 |
| 2/25/2025 | 2:00:00 AM | 33.54038 | 52.43585 | 18.89547 | 28.48453 | 36.2213 | 2.68092 | 45.65908 | 33.16174 | -0.37864 | 49.84864 | 43.67352 | 10.13314 | 32.07686 |
| 2/25/2025 | 3:00:00 AM | 33.54707 | 52.46446 | 18.91739 | 28.46261 | 36.21772 | 2.67065 | 45.66935 | 33.169 | -0.37807 | 49.84807 | 43.71995 | 10.17288 | 32.03712 |
| 2/25/2025 | 4:00:00 AM | 33.55041 | 52.48591 | 18.9355 | 28.4445 | 36.21056 | 2.66015 | 45.67985 | 33.18354 | -0.36687 | 49.83687 | 43.74852 | 10.19811 | 32.01189 |
| 2/25/2025 | 5:00:00 AM | 33.56044 | 52.49664 | 18.9362 | 28.4438 | 36.21056 | 2.65012 | 45.68988 | 33.19444 | -0.366 | 49.836 | 43.77709 | 10.21665 | 31.99335 |
| 2/25/2025 | 6:00:00 AM | 33.57382 | 52.52883 | 18.95501 | 28.42499 | 36.20698 | 2.63316 | 45.70684 | 33.21261 | -0.36121 | 49.83121 | 43.8378 | 10.26398 | 31.94602 |
| 2/25/2025 | 7:00:00 AM | 33.57716 | 52.53955 | 18.96239 | 28.41761 | 36.21056 | 2.6334 | 45.7066 | 33.21625 | -0.36091 | 49.83091 | 43.85566 | 10.2785 | 31.9315 |
| 2/25/2025 | 8:00:00 AM | 33.59723 | 52.58962 | 18.99239 | 28.38761 | 36.20698 | 2.60975 | 45.73025 | 33.25259 | -0.34464 | 49.81464 | 43.95923 | 10.362 | 31.848 |
| 2/25/2025 | 9:00:00 AM | 33.65073 | 52.69332 | 19.04259 | 28.33741 | 36.21772 | 2.56699 | 45.77301 | 33.30347 | -0.34726 | 49.81726 | 44.14494 | 10.49421 | 31.71579 |
| 2/25/2025 | 10:00:00 AM | 33.68752 | 52.78273 | 19.09521 | 28.28479 | 36.23204 | 2.54452 | 45.79548 | 33.35798 | -0.32954 | 49.79954 | 44.30922 | 10.6217 | 31.5883 |
| 2/25/2025 | 11:00:00 AM | 33.72764 | 52.8614 | 19.13376 | 28.24624 | 36.23204 | 2.5044 | 45.8356 | 33.4234 | -0.30424 | 49.77424 | 44.45921 | 10.73157 | 31.47843 |
| 2/25/2025 | 12:00:00 PM | 33.76777 | 52.94365 | 19.17588 | 28.20412 | 36.24636 | 2.47859 | 45.86141 | 33.47064 | -0.29713 | 49.76713 | 44.58778 | 10.82001 | 31.38999 |
| 2/25/2025 | 1:00:00 PM | 33.76777 | 52.93292 | 19.16515 | 28.21485 | 36.26783 | 2.50006 | 45.83994 | 33.50335 | -0.26442 | 49.73442 | 44.64492 | 10.87715 | 31.33285 |
| 2/25/2025 | 2:00:00 PM | 33.80456 | 52.99729 | 19.19273 | 28.18727 | 36.26783 | 2.46327 | 45.87673 | 33.55059 | -0.25397 | 49.72397 | 44.72706 | 10.9225 | 31.2875 |
| 2/25/2025 | 3:00:00 PM | 33.82128 | 53.03663 | 19.21535 | 28.16465 | 36.28931 | 2.46803 | 45.87197 | 33.58693 | -0.23435 | 49.70435 | 44.78777 | 10.96649 | 31.24351 |
| 2/25/2025 | 4:00:00 PM | 33.838 | 53.08312 | 19.24512 | 28.13488 | 36.31795 | 2.47995 | 45.86005 | 33.61601 | -0.22199 | 49.69199 | 44.84134 | 11.00334 | 31.20666 |
| 2/25/2025 | 5:00:00 PM | 33.84803 | 53.08669 | 19.23866 | 28.14134 | 36.33585 | 2.48782 | 45.85218 | 33.64144 | -0.20659 | 49.67659 | 44.89848 | 11.05045 | 31.15955 |
| 2/25/2025 | 6:00:00 PM | 33.85806 | 53.1296 | 19.27154 | 28.10846 | 36.3609 | 2.50284 | 45.83716 | 33.67052 | -0.18754 | 49.65754 | 44.95919 | 11.10113 | 31.10887 |
| 2/25/2025 | 7:00:00 PM | 33.86475 | 53.15464 | 19.28989 | 28.09011 | 36.38238 | 2.51763 | 45.82237 | 33.70686 | -0.15789 | 49.62789 | 45.01991 | 11.15516 | 31.05484 |
| 2/25/2025 | 8:00:00 PM | 33.86809 | 53.15821 | 19.29012 | 28.08988 | 36.3967 | 2.52861 | 45.81139 | 33.72503 | -0.14306 | 49.61306 | 45.00205 | 11.13396 | 31.07604 |
| 2/25/2025 | 9:00:00 PM | 33.87812 | 53.19397 | 19.31585 | 28.06415 | 36.42533 | 2.54721 | 45.79279 | 33.7432 | -0.13492 | 49.60492 | 45.0449 | 11.16678 | 31.04322 |
| 2/25/2025 | 10:00:00 PM | 33.88816 | 53.21185 | 19.32369 | 28.05631 | 36.44681 | 2.55865 | 45.78135 | 33.76501 | -0.12315 | 49.59315 | 45.08062 | 11.19246 | 31.01754 |
| 2/25/2025 | 11:00:00 PM | 33.89819 | 53.22973 | 19.33154 | 28.04846 | 36.46829 | 2.5701 | 45.7699 | 33.78681 | -0.11138 | 49.58138 | 45.12704 | 11.22885 | 30.98115 |
| 2/26/2025 | 12:00:00 AM | 33.8915 | 53.22973 | 19.33823 | 28.04177 | 36.48977 | 2.59827 | 45.74173 | 33.79771 | -0.09379 | 49.56379 | 45.09847 | 11.20697 | 31.00303 |
| 2/26/2025 | 1:00:00 AM | 33.88147 | 53.21543 | 19.33396 | 28.04604 | 36.51124 | 2.62977 | 45.71023 | 33.80135 | -0.08012 | 49.55012 | 45.08419 | 11.20272 | 31.00728 |
| 2/26/2025 | 2:00:00 AM | 33.87144 | 53.22973 | 19.35829 | 28.02171 | 36.52198 | 2.65054 | 45.68946 | 33.80862 | -0.06282 | 49.53282 | 45.0699 | 11.19846 | 31.01154 |
| 2/26/2025 | 3:00:00 AM | 33.85472 | 53.2047 | 19.34998 | 28.03002 | 36.54346 | 2.68874 | 45.65126 | 33.80135 | -0.05337 | 49.52337 | 45.01991 | 11.16519 | 31.04481 |
| 2/26/2025 | 4:00:00 AM | 33.84803 | 53.19755 | 19.34952 | 28.03048 | 36.55778 | 2.70975 | 45.63025 | 33.79408 | -0.05395 | 49.52395 | 44.99134 | 11.14331 | 31.06669 |
| 2/26/2025 | 5:00:00 AM | 33.83131 | 53.17967 | 19.34836 | 28.03164 | 36.57209 | 2.74078 | 45.59922 | 33.79045 | -0.04086 | 49.51086 | 44.96276 | 11.13145 | 31.07855 |
| 2/26/2025 | 6:00:00 AM | 33.82462 | 53.15464 | 19.33002 | 28.04998 | 36.58641 | 2.76179 | 45.57821 | 33.77227 | -0.05235 | 49.52235 | 44.89491 | 11.07029 | 31.13971 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/26/2025 | 7:00:00 AM | 33.79787 | 53.11172 | 19.31385 | 28.06615 | 36.60073 | 2.80286 | 45.53714 | 33.76501 | -0.03286 | 49.50286 | 44.88777 | 11.0899 | 31.1201 |
| 2/26/2025 | 8:00:00 AM | 33.80121 | 53.12603 | 19.32482 | 28.05518 | 36.60431 | 2.8031 | 45.5369 | 33.76864 | -0.03257 | 49.50257 | 44.9092 | 11.10799 | 31.10201 |
| 2/26/2025 | 9:00:00 AM | 33.80456 | 53.12603 | 19.32147 | 28.05853 | 36.61147 | 2.80691 | 45.53309 | 33.76864 | -0.03592 | 49.50592 | 44.89848 | 11.09392 | 31.11608 |
| 2/26/2025 | 10:00:00 AM | 33.8079 | 53.1153 | 19.3074 | 28.0726 | 36.62221 | 2.81431 | 45.52569 | 33.7541 | -0.0538 | 49.5238 | 44.82348 | 11.01558 | 31.19442 |
| 2/26/2025 | 11:00:00 AM | 33.81124 | 53.08669 | 19.27545 | 28.10455 | 36.62937 | 2.81813 | 45.52187 | 33.73593 | -0.07531 | 49.54531 | 44.7592 | 10.94796 | 31.26204 |
| 2/26/2025 | 12:00:00 PM | 33.81459 | 53.06166 | 19.24707 | 28.13293 | 36.63653 | 2.82194 | 45.51806 | 33.71413 | -0.10046 | 49.57046 | 44.69492 | 10.88033 | 31.32967 |
| 2/26/2025 | 1:00:00 PM | 33.84134 | 53.04378 | 19.20244 | 28.17756 | 36.64011 | 2.79877 | 45.54123 | 33.70323 | -0.13811 | 49.60811 | 44.6342 | 10.79286 | 31.41714 |
| 2/26/2025 | 2:00:00 PM | 33.81459 | 52.97941 | 19.16482 | 28.21518 | 36.65084 | 2.83625 | 45.50375 | 33.67415 | -0.14044 | 49.61044 | 44.58063 | 10.76604 | 31.44396 |
| 2/26/2025 | 3:00:00 PM | 33.81793 | 52.97941 | 19.16148 | 28.21852 | 36.64011 | 2.82218 | 45.51782 | 33.66325 | -0.15468 | 49.62468 | 44.55564 | 10.73771 | 31.47229 |
| 2/26/2025 | 4:00:00 PM | 33.81459 | 52.96153 | 19.14694 | 28.23306 | 36.64726 | 2.83267 | 45.50733 | 33.64871 | -0.16588 | 49.63588 | 44.52707 | 10.71248 | 31.49752 |
| 2/26/2025 | 5:00:00 PM | 33.81459 | 52.9508 | 19.13621 | 28.24379 | 36.64726 | 2.83267 | 45.50733 | 33.64144 | -0.17315 | 49.64315 | 44.51635 | 10.70176 | 31.50824 |
| 2/26/2025 | 6:00:00 PM | 33.80456 | 52.95795 | 19.15339 | 28.22661 | 36.63653 | 2.83197 | 45.50803 | 33.63418 | -0.17038 | 49.64038 | 44.52349 | 10.71893 | 31.49107 |
| 2/26/2025 | 7:00:00 PM | 33.81124 | 52.98299 | 19.17175 | 28.20825 | 36.64369 | 2.83245 | 45.50755 | 33.64144 | -0.1698 | 49.6398 | 44.55921 | 10.74797 | 31.46203 |
| 2/26/2025 | 8:00:00 PM | 33.81459 | 53.00444 | 19.18985 | 28.19015 | 36.63295 | 2.81836 | 45.52164 | 33.64871 | -0.16588 | 49.63588 | 44.59849 | 10.7839 | 31.4261 |
| 2/26/2025 | 9:00:00 PM | 33.81459 | 53.0259 | 19.21131 | 28.16869 | 36.63653 | 2.82194 | 45.51806 | 33.67052 | -0.14407 | 49.61407 | 44.64492 | 10.83033 | 31.37967 |
| 2/26/2025 | 10:00:00 PM | 33.8079 | 53.0402 | 19.2323 | 28.1477 | 36.63653 | 2.82863 | 45.51137 | 33.67779 | -0.13011 | 49.60011 | 44.6592 | 10.8513 | 31.3587 |
| 2/26/2025 | 11:00:00 PM | 33.79787 | 53.02947 | 19.2316 | 28.1484 | 36.63653 | 2.83866 | 45.50134 | 33.67415 | -0.12372 | 49.59372 | 44.64135 | 10.84348 | 31.36652 |
| 2/27/2025 | 12:00:00 AM | 33.79452 | 53.0259 | 19.23138 | 28.14862 | 36.63653 | 2.84201 | 45.49799 | 33.68869 | -0.10583 | 49.57583 | 44.64492 | 10.8504 | 31.3596 |
| 2/27/2025 | 1:00:00 AM | 33.78784 | 53.03305 | 19.24521 | 28.13479 | 36.64011 | 2.85227 | 45.48773 | 33.68505 | -0.10279 | 49.57279 | 44.64135 | 10.85351 | 31.35649 |
| 2/27/2025 | 2:00:00 AM | 33.76443 | 52.99014 | 19.22571 | 28.15429 | 36.64369 | 2.87926 | 45.46074 | 33.68142 | -0.08301 | 49.55301 | 44.62706 | 10.86263 | 31.34737 |
| 2/27/2025 | 3:00:00 AM | 33.76777 | 53.01517 | 19.2474 | 28.1326 | 36.64011 | 2.87234 | 45.46766 | 33.68869 | -0.07908 | 49.54908 | 44.65206 | 10.88429 | 31.32571 |
| 2/27/2025 | 4:00:00 AM | 33.7544 | 53.01159 | 19.25719 | 28.12281 | 36.64011 | 2.88571 | 45.45429 | 33.69596 | -0.05844 | 49.52844 | 44.66277 | 10.90837 | 31.30163 |
| 2/27/2025 | 5:00:00 AM | 33.76777 | 53.03305 | 19.26528 | 28.11472 | 36.64726 | 2.87949 | 45.46051 | 33.70323 | -0.06454 | 49.53454 | 44.70206 | 10.93429 | 31.27571 |
| 2/27/2025 | 6:00:00 AM | 33.76777 | 53.03663 | 19.26886 | 28.11114 | 36.64369 | 2.87592 | 45.46408 | 33.71413 | -0.05364 | 49.52364 | 44.70206 | 10.93429 | 31.27571 |
| 2/27/2025 | 7:00:00 AM | 33.77112 | 53.05093 | 19.27981 | 28.10019 | 36.64369 | 2.87257 | 45.46743 | 33.7214 | -0.04972 | 49.51972 | 44.73777 | 10.96665 | 31.24335 |
| 2/27/2025 | 8:00:00 AM | 33.77446 | 53.0402 | 19.26574 | 28.11426 | 36.65442 | 2.87996 | 45.46004 | 33.72503 | -0.04943 | 49.51943 | 44.71277 | 10.93831 | 31.27169 |
| 2/27/2025 | 9:00:00 AM | 33.79118 | 53.06524 | 19.27406 | 28.10594 | 36.65442 | 2.86324 | 45.47676 | 33.73957 | -0.05161 | 49.52161 | 44.7592 | 10.96802 | 31.24198 |
| 2/27/2025 | 10:00:00 AM | 33.79118 | 53.03305 | 19.24187 | 28.13813 | 36.658 | 2.86682 | 45.47318 | 33.71776 | -0.07342 | 49.54342 | 44.68063 | 10.88945 | 31.32055 |
| 2/27/2025 | 11:00:00 AM | 33.8079 | 53.02947 | 19.22157 | 28.15843 | 36.66158 | 2.85368 | 45.48632 | 33.7214 | -0.0865 | 49.5565 | 44.67706 | 10.86916 | 31.34084 |
| 2/27/2025 | 12:00:00 PM | 33.82796 | 53.03305 | 19.20509 | 28.17491 | 36.66874 | 2.84078 | 45.49922 | 33.7214 | -0.10656 | 49.57656 | 44.68777 | 10.85981 | 31.35019 |
| 2/27/2025 | 1:00:00 PM | 33.86809 | 53.01517 | 19.14708 | 28.23292 | 36.66158 | 2.79349 | 45.54651 | 33.71776 | -0.15033 | 49.62033 | 44.64135 | 10.77326 | 31.43674 |
| 2/27/2025 | 2:00:00 PM | 33.87144 | 53.00802 | 19.13658 | 28.24342 | 36.67948 | 2.80804 | 45.53196 | 33.71413 | -0.15731 | 49.62731 | 44.63778 | 10.76634 | 31.44366 |
| 2/27/2025 | 3:00:00 PM | 33.87144 | 53.01875 | 19.14731 | 28.23269 | 36.6759 | 2.80446 | 45.53554 | 33.7214 | -0.15004 | 49.62004 | 44.6592 | 10.78776 | 31.42224 |
| 2/27/2025 | 4:00:00 PM | 33.86475 | 53.01159 | 19.14684 | 28.23316 | 36.67232 | 2.80757 | 45.53243 | 33.71049 | -0.15426 | 49.62426 | 44.63063 | 10.76588 | 31.44412 |
| 2/27/2025 | 5:00:00 PM | 33.85472 | 53.00444 | 19.14972 | 28.23028 | 36.66874 | 2.81402 | 45.52598 | 33.70686 | -0.14786 | 49.61786 | 44.60563 | 10.75091 | 31.45909 |
| 2/27/2025 | 6:00:00 PM | 33.84468 | 53.00802 | 19.16334 | 28.21666 | 36.6759 | 2.83122 | 45.50878 | 33.71049 | -0.13419 | 49.60419 | 44.61992 | 10.77524 | 31.43476 |
| 2/27/2025 | 7:00:00 PM | 33.84468 | 53.01875 | 19.17407 | 28.20593 | 36.6759 | 2.83122 | 45.50878 | 33.71776 | -0.12692 | 49.59692 | 44.65206 | 10.80738 | 31.40262 |
| 2/27/2025 | 8:00:00 PM | 33.84134 | 53.0259 | 19.18456 | 28.19544 | 36.6759 | 2.83456 | 45.50544 | 33.71776 | -0.12358 | 49.59358 | 44.63778 | 10.79644 | 31.41356 |
| 2/27/2025 | 9:00:00 PM | 33.83465 | 53.04736 | 19.21271 | 28.16729 | 36.68306 | 2.84841 | 45.49159 | 33.71776 | -0.11689 | 49.58689 | 44.6842 | 10.84955 | 31.36045 |
| 2/27/2025 | 10:00:00 PM | 33.7778 | 52.92935 | 19.15155 | 28.22845 | 36.68306 | 2.90526 | 45.43474 | 33.72866 | -0.04914 | 49.51914 | 44.66635 | 10.88855 | 31.32145 |
| 2/27/2025 | 11:00:00 PM | 33.76777 | 52.9508 | 19.18303 | 28.19697 | 36.68306 | 2.91529 | 45.42471 | 33.73593 | -0.03184 | 49.50184 | 44.70563 | 10.93786 | 31.27214 |
| 2/28/2025 | 12:00:00 AM | 33.76108 | 52.9365 | 19.17542 | 28.20458 | 36.68664 | 2.92556 | 45.41444 | 33.73593 | -0.02515 | 49.49515 | 44.66635 | 10.90527 | 31.30473 |
| 2/28/2025 | 1:00:00 AM | 33.75105 | 52.94365 | 19.1926 | 28.1874 | 36.68664 | 2.93559 | 45.40441 | 33.73593 | -0.01512 | 49.48512 | 44.68777 | 10.93672 | 31.27328 |
| 2/28/2025 | 2:00:00 AM | 33.74771 | 52.94007 | 19.19236 | 28.18764 | 36.69022 | 2.94251 | 45.39749 | 33.73957 | -0.00814 | 49.47814 | 44.67349 | 10.92578 | 31.28422 |
| 2/28/2025 | 3:00:00 AM | 33.74102 | 52.94365 | 19.20263 | 28.17737 | 36.69022 | 2.9492 | 45.3908 | 33.72866 | -0.01236 | 49.48236 | 44.67706 | 10.93604 | 31.27396 |
| 2/28/2025 | 4:00:00 AM | 33.73433 | 52.92935 | 19.19502 | 28.18498 | 36.68664 | 2.95231 | 45.38769 | 33.72866 | -0.00567 | 49.47567 | 44.6592 | 10.92487 | 31.28513 |
| 2/28/2025 | 5:00:00 AM | 33.73099 | 52.94365 | 19.21266 | 28.16734 | 36.69022 | 2.95923 | 45.38077 | 33.72503 | -0.00596 | 49.47596 | 44.6592 | 10.92821 | 31.28179 |
| 2/28/2025 | 6:00:00 AM | 33.72096 | 52.92935 | 19.20839 | 28.17161 | 36.69738 | 2.97642 | 45.36358 | 33.72503 | 0.00407 | 49.46593 | 44.62349 | 10.90253 | 31.30747 |
| 2/28/2025 | 7:00:00 AM | 33.71092 | 52.91504 | 19.20412 | 28.17588 | 36.6938 | 2.98288 | 45.35712 | 33.71049 | -0.00043 | 49.47043 | 44.58778 | 10.87686 | 31.33314 |
| 2/28/2025 | 8:00:00 AM | 33.72096 | 52.94365 | 19.22269 | 28.15731 | 36.70096 | 2.98 | 45.36 | 33.71776 | -0.0032 | 49.4732 | 44.64135 | 10.92039 | 31.28961 |
| 2/28/2025 | 9:00:00 AM | 33.73433 | 52.9508 | 19.21647 | 28.16353 | 36.70096 | 2.96663 | 45.37337 | 33.72503 | -0.0093 | 49.4793 | 44.64492 | 10.91059 | 31.29941 |
| 2/28/2025 | 10:00:00 AM | 33.73099 | 52.93292 | 19.20193 | 28.17807 | 36.6938 | 2.96281 | 45.37719 | 33.71049 | -0.0205 | 49.4905 | 44.60206 | 10.87107 | 31.33893 |
| 2/28/2025 | 11:00:00 AM | 33.75105 | 52.92219 | 19.17114 | 28.20886 | 36.69738 | 2.94633 | 45.39367 | 33.71049 | -0.04056 | 49.51056 | 44.58063 | 10.82958 | 31.38042 |
| 2/28/2025 | 12:00:00 PM | 33.76108 | 52.89001 | 19.12893 | 28.25107 | 36.70096 | 2.93988 | 45.40012 | 33.69596 | -0.06512 | 49.53512 | 44.52349 | 10.76241 | 31.44759 |
| 2/28/2025 | 1:00:00 PM | 33.78784 | 52.87213 | 19.08429 | 28.29571 | 36.70096 | 2.91312 | 45.42688 | 33.67779 | -0.11005 | 49.58005 | 44.48064 | 10.6928 | 31.5172 |
| 2/28/2025 | 2:00:00 PM | 33.79118 | 52.83279 | 19.04161 | 28.33839 | 36.69022 | 2.89904 | 45.44096 | 33.65235 | -0.13883 | 49.60883 | 44.39493 | 10.60375 | 31.60625 |
| 2/28/2025 | 3:00:00 PM | 33.7778 | 52.81849 | 19.04069 | 28.33931 | 36.68306 | 2.90526 | 45.43474 | 33.63418 | -0.14362 | 49.61362 | 44.37707 | 10.59927 | 31.61073 |
| 2/28/2025 | 4:00:00 PM | 33.76777 | 52.82922 | 19.06145 | 28.31855 | 36.69022 | 2.92245 | 45.41755 | 33.63054 | -0.13723 | 49.60723 | 44.37707 | 10.6093 | 31.6007 |
| 2/28/2025 | 5:00:00 PM | 33.75105 | 52.80061 | 19.04956 | 28.33044 | 36.68306 | 2.93201 | 45.40799 | 33.61601 | -0.13504 | 49.60504 | 44.3235 | 10.57245 | 31.63755 |
| 2/28/2025 | 6:00:00 PM | 33.74102 | 52.78988 | 19.04886 | 28.33114 | 36.67948 | 2.93846 | 45.40154 | 33.59783 | -0.14319 | 49.61319 | 44.2985 | 10.55748 | 31.65252 |
| 2/28/2025 | 7:00:00 PM | 33.72096 | 52.772 | 19.05104 | 28.32896 | 36.67232 | 2.95136 | 45.38864 | 33.58693 | -0.13403 | 49.60403 | 44.26993 | 10.54897 | 31.66103 |
| 2/28/2025 | 8:00:00 PM | 33.70758 | 52.77915 | 19.07157 | 28.30843 | 36.66158 | 2.954 | 45.386 | 33.57966 | -0.12792 | 49.59792 | 44.28064 | 10.57306 | 31.63694 |
| 2/28/2025 | 9:00:00 PM | 33.70089 | 52.77557 | 19.07468 | 28.30532 | 36.65442 | 2.95353 | 45.38647 | 33.5724 | -0.12849 | 49.59849 | 44.26636 | 10.56547 | 31.64453 |
| 2/28/2025 | 10:00:00 PM | 33.69086 | 52.77915 | 19.08829 | 28.29171 | 36.64726 | 2.9564 | 45.3836 | 33.56876 | -0.1221 | 49.5921 | 44.25922 | 10.56836 | 31.64164 |
| 2/28/2025 | 11:00:00 PM | 33.66745 | 52.75412 | 19.08667 | 28.29333 | 36.64369 | 2.97624 | 45.36376 | 33.54332 | -0.12413 | 49.59413 | 44.18779 | 10.52034 | 31.68966 |
| 3/1/2025 | 12:00:00 AM | 33.66745 | 52.75054 | 19.08309 | 28.29691 | 36.63653 | 2.96908 | 45.37092 | 33.53242 | -0.13503 | 49.60503 | 44.17708 | 10.50963 | 31.70037 |
| 3/1/2025 | 1:00:00 AM | 33.67748 | 52.77915 | 19.10167 | 28.27833 | 36.62937 | 2.95189 | 45.38811 | 33.53605 | -0.14143 | 49.61143 | 44.20922 | 10.53174 | 31.67826 |
| 3/1/2025 | 2:00:00 AM | 33.65742 | 52.76485 | 19.10743 | 28.27257 | 36.61863 | 2.96121 | 45.37879 | 33.52879 | -0.12863 | 49.59863 | 44.17708 | 10.51966 | 31.69034 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/1/2025 | 3:00:00 AM | 33.64404 | 52.75054 | 19.1065 | 28.2735 | 36.60789 | 2.96385 | 45.37615 | 33.51788 | -0.12616 | 49.59616 | 44.14494 | 10.5009 | 31.7091 |
| 3/1/2025 | 4:00:00 AM | 33.63736 | 52.75054 | 19.11318 | 28.26682 | 36.60789 | 2.97053 | 45.36947 | 33.50698 | -0.13038 | 49.60038 | 44.14136 | 10.504 | 31.706 |
| 3/1/2025 | 5:00:00 AM | 33.63067 | 52.74339 | 19.11272 | 28.26728 | 36.59357 | 2.9629 | 45.3771 | 33.49971 | -0.13096 | 49.60096 | 44.11279 | 10.48212 | 31.72788 |
| 3/1/2025 | 6:00:00 AM | 33.62398 | 52.72551 | 19.10153 | 28.27847 | 36.58999 | 2.96601 | 45.37399 | 33.49244 | -0.13154 | 49.60154 | 44.09137 | 10.46739 | 31.74261 |
| 3/1/2025 | 7:00:00 AM | 33.60726 | 52.67902 | 19.07176 | 28.30824 | 36.58641 | 2.97915 | 45.36085 | 33.47791 | -0.12935 | 49.59935 | 44.05922 | 10.45196 | 31.75804 |
| 3/1/2025 | 8:00:00 AM | 33.59723 | 52.69332 | 19.09609 | 28.28391 | 36.57925 | 2.98202 | 45.35798 | 33.47064 | -0.12659 | 49.59659 | 44.08065 | 10.48342 | 31.72658 |
| 3/1/2025 | 9:00:00 AM | 33.6106 | 52.69332 | 19.08272 | 28.29728 | 36.56852 | 2.95792 | 45.38208 | 33.47791 | -0.13269 | 49.60269 | 44.08065 | 10.47005 | 31.73995 |
| 3/1/2025 | 10:00:00 AM | 33.6106 | 52.68617 | 19.07557 | 28.30443 | 36.56136 | 2.95076 | 45.38924 | 33.46337 | -0.14723 | 49.61723 | 44.04851 | 10.43791 | 31.77209 |
| 3/1/2025 | 11:00:00 AM | 33.6407 | 52.65756 | 19.01686 | 28.36314 | 36.5542 | 2.9135 | 45.4265 | 33.4452 | -0.1955 | 49.6655 | 44.0128 | 10.3721 | 31.8379 |
| 3/1/2025 | 12:00:00 PM | 33.65742 | 52.63611 | 18.97869 | 28.40131 | 36.54704 | 2.88962 | 45.45038 | 33.4343 | -0.22312 | 49.69312 | 44.00923 | 10.35181 | 31.85819 |
| 3/1/2025 | 1:00:00 PM | 33.69086 | 52.62538 | 18.93452 | 28.44548 | 36.53988 | 2.84902 | 45.49098 | 33.4234 | -0.26746 | 49.73746 | 43.9878 | 10.29694 | 31.91306 |
| 3/1/2025 | 2:00:00 PM | 33.69755 | 52.59677 | 18.89922 | 28.48078 | 36.53272 | 2.83517 | 45.50483 | 33.40522 | -0.29233 | 49.76233 | 43.96994 | 10.27239 | 31.93761 |
| 3/1/2025 | 3:00:00 PM | 33.68417 | 52.58604 | 18.90187 | 28.47813 | 36.52198 | 2.83781 | 45.50219 | 33.38342 | -0.30075 | 49.77075 | 43.95923 | 10.27506 | 31.93494 |
| 3/1/2025 | 4:00:00 PM | 33.67414 | 52.58604 | 18.9119 | 28.4681 | 36.51124 | 2.8371 | 45.5029 | 33.37252 | -0.30162 | 49.77162 | 43.95566 | 10.28152 | 31.92848 |
| 3/1/2025 | 5:00:00 PM | 33.66745 | 52.58962 | 18.92217 | 28.45783 | 36.5005 | 2.83305 | 45.50695 | 33.37615 | -0.2913 | 49.7613 | 43.94494 | 10.27749 | 31.93251 |
| 3/1/2025 | 6:00:00 PM | 33.65742 | 52.6075 | 18.95008 | 28.42992 | 36.49692 | 2.8395 | 45.5005 | 33.37979 | -0.27763 | 49.74763 | 43.96637 | 10.30895 | 31.90105 |
| 3/1/2025 | 7:00:00 PM | 33.66745 | 52.63611 | 18.96866 | 28.41134 | 36.48977 | 2.82232 | 45.51768 | 33.38705 | -0.2804 | 49.7504 | 44.00565 | 10.3382 | 31.8718 |
| 3/1/2025 | 8:00:00 PM | 33.65742 | 52.63968 | 18.98226 | 28.39774 | 36.47545 | 2.81803 | 45.52197 | 33.38705 | -0.27037 | 49.74037 | 44.00923 | 10.35181 | 31.85819 |
| 3/1/2025 | 9:00:00 PM | 33.65742 | 52.65756 | 19.00014 | 28.37986 | 36.47545 | 2.81803 | 45.52197 | 33.39432 | -0.2631 | 49.7331 | 44.04851 | 10.39109 | 31.81891 |
| 3/1/2025 | 10:00:00 PM | 33.65073 | 52.66472 | 19.01399 | 28.36601 | 36.46829 | 2.81756 | 45.52244 | 33.40522 | -0.24551 | 49.71551 | 44.05565 | 10.40492 | 31.80508 |
| 3/1/2025 | 11:00:00 PM | 33.65073 | 52.66114 | 19.01041 | 28.36959 | 36.45755 | 2.80682 | 45.53318 | 33.40522 | -0.24551 | 49.71551 | 44.06994 | 10.41921 | 31.79079 |
| 3/2/2025 | 12:00:00 AM | 33.65408 | 52.67544 | 19.02136 | 28.35864 | 36.46471 | 2.81063 | 45.52937 | 33.41249 | -0.24159 | 49.71159 | 44.08422 | 10.43014 | 31.77986 |
| 3/2/2025 | 1:00:00 AM | 33.65073 | 52.67187 | 19.02114 | 28.35886 | 36.46113 | 2.8104 | 45.5296 | 33.41976 | -0.23097 | 49.70097 | 44.08065 | 10.42992 | 31.78008 |
| 3/2/2025 | 2:00:00 AM | 33.63736 | 52.66829 | 19.03093 | 28.34907 | 36.45755 | 2.82019 | 45.51981 | 33.41976 | -0.2176 | 49.6876 | 44.07708 | 10.43972 | 31.77028 |
| 3/2/2025 | 3:00:00 AM | 33.63736 | 52.66829 | 19.03093 | 28.34907 | 36.46471 | 2.82735 | 45.51265 | 33.41249 | -0.22487 | 49.69487 | 44.06994 | 10.43258 | 31.77742 |
| 3/2/2025 | 4:00:00 AM | 33.63736 | 52.6826 | 19.04524 | 28.33476 | 36.45755 | 2.82019 | 45.51981 | 33.4234 | -0.21396 | 49.68396 | 44.09137 | 10.45401 | 31.75599 |
| 3/2/2025 | 5:00:00 AM | 33.63401 | 52.67544 | 19.04143 | 28.33857 | 36.45397 | 2.81996 | 45.52004 | 33.4234 | -0.21061 | 49.68061 | 44.10208 | 10.46807 | 31.74193 |
| 3/2/2025 | 6:00:00 AM | 33.62732 | 52.67187 | 19.04455 | 28.33545 | 36.45755 | 2.83023 | 45.50977 | 33.41976 | -0.20756 | 49.67756 | 44.11636 | 10.48904 | 31.72096 |
| 3/2/2025 | 7:00:00 AM | 33.63067 | 52.67544 | 19.04477 | 28.33523 | 36.45039 | 2.81972 | 45.52028 | 33.4343 | -0.19637 | 49.66637 | 44.10922 | 10.47855 | 31.73145 |
| 3/2/2025 | 8:00:00 AM | 33.63736 | 52.69332 | 19.05596 | 28.32404 | 36.45397 | 2.81661 | 45.52339 | 33.4343 | -0.20306 | 49.67306 | 44.14136 | 10.504 | 31.706 |
| 3/2/2025 | 9:00:00 AM | 33.65073 | 52.71121 | 19.06048 | 28.31952 | 36.45397 | 2.80324 | 45.53676 | 33.44157 | -0.20916 | 49.67916 | 44.17351 | 10.52278 | 31.68722 |
| 3/2/2025 | 10:00:00 AM | 33.65408 | 52.72193 | 19.06785 | 28.31215 | 36.45397 | 2.79989 | 45.54011 | 33.46337 | -0.19071 | 49.66071 | 44.20208 | 10.548 | 31.662 |
| 3/2/2025 | 11:00:00 AM | 33.66745 | 52.72909 | 19.06164 | 28.31836 | 36.45755 | 2.7901 | 45.5499 | 33.47427 | -0.19318 | 49.66318 | 44.23422 | 10.56677 | 31.64323 |
| 3/2/2025 | 12:00:00 PM | 33.6708 | 52.74339 | 19.07259 | 28.30741 | 36.46471 | 2.79391 | 45.54609 | 33.47427 | -0.19653 | 49.66653 | 44.23422 | 10.56342 | 31.64658 |
| 3/2/2025 | 1:00:00 PM | 33.67414 | 52.73266 | 19.05852 | 28.32148 | 36.46471 | 2.79057 | 45.54943 | 33.48154 | -0.1926 | 49.6626 | 44.2235 | 10.54936 | 31.66064 |
| 3/2/2025 | 2:00:00 PM | 33.68083 | 52.74339 | 19.06256 | 28.31744 | 36.46471 | 2.78388 | 45.55612 | 33.48154 | -0.19929 | 49.66929 | 44.24136 | 10.56053 | 31.64947 |
| 3/2/2025 | 3:00:00 PM | 33.69086 | 52.75412 | 19.06326 | 28.31674 | 36.47187 | 2.78101 | 45.55899 | 33.48881 | -0.20205 | 49.67205 | 44.26993 | 10.57907 | 31.63093 |
| 3/2/2025 | 4:00:00 PM | 33.68752 | 52.76127 | 19.07375 | 28.30625 | 36.47903 | 2.79151 | 45.54849 | 33.49608 | -0.19144 | 49.66144 | 44.27707 | 10.58955 | 31.62045 |
| 3/2/2025 | 5:00:00 PM | 33.68417 | 52.76127 | 19.0771 | 28.3029 | 36.47903 | 2.79486 | 45.54514 | 33.50698 | -0.17719 | 49.64719 | 44.27707 | 10.5929 | 31.6171 |
| 3/2/2025 | 6:00:00 PM | 33.69755 | 52.77557 | 19.07802 | 28.30198 | 36.48619 | 2.78864 | 45.55136 | 33.51425 | -0.1833 | 49.6533 | 44.30207 | 10.60452 | 31.60548 |
| 3/2/2025 | 7:00:00 PM | 33.69086 | 52.7863 | 19.09544 | 28.28456 | 36.48619 | 2.79533 | 45.54467 | 33.52879 | -0.16207 | 49.63207 | 44.32707 | 10.63621 | 31.57379 |
| 3/2/2025 | 8:00:00 PM | 33.69086 | 52.78273 | 19.09187 | 28.28813 | 36.48977 | 2.79891 | 45.54109 | 33.52515 | -0.16571 | 49.63571 | 44.31993 | 10.62907 | 31.58093 |
| 3/2/2025 | 9:00:00 PM | 33.6942 | 52.80061 | 19.10641 | 28.27359 | 36.48619 | 2.79199 | 45.54801 | 33.52879 | -0.16541 | 49.63541 | 44.34493 | 10.65073 | 31.55927 |
| 3/2/2025 | 10:00:00 PM | 33.68417 | 52.78988 | 19.10571 | 28.27429 | 36.5005 | 2.81633 | 45.52367 | 33.54332 | -0.14085 | 49.61085 | 44.3735 | 10.68933 | 31.52067 |
| 3/2/2025 | 11:00:00 PM | 33.68752 | 52.79345 | 19.10593 | 28.27407 | 36.50408 | 2.81656 | 45.52344 | 33.55059 | -0.13693 | 49.60693 | 44.38778 | 10.70026 | 31.50974 |
| 3/3/2025 | 12:00:00 AM | 33.6942 | 52.80418 | 19.10998 | 28.27002 | 36.50408 | 2.80988 | 45.53012 | 33.55786 | -0.13634 | 49.60634 | 44.3985 | 10.7043 | 31.5057 |
| 3/3/2025 | 1:00:00 AM | 33.69086 | 52.79345 | 19.10259 | 28.27741 | 36.50766 | 2.8168 | 45.5232 | 33.56513 | -0.12573 | 49.59573 | 44.39493 | 10.70407 | 31.50593 |
| 3/3/2025 | 2:00:00 AM | 33.69086 | 52.79703 | 19.10617 | 28.27383 | 36.50766 | 2.8168 | 45.5232 | 33.56149 | -0.12937 | 49.59937 | 44.3985 | 10.70764 | 31.50236 |
| 3/3/2025 | 3:00:00 AM | 33.68752 | 52.80418 | 19.11666 | 28.26334 | 36.5184 | 2.83088 | 45.50912 | 33.5724 | -0.11512 | 49.58512 | 44.40564 | 10.71812 | 31.49188 |
| 3/3/2025 | 4:00:00 AM | 33.69086 | 52.81491 | 19.12405 | 28.25595 | 36.5184 | 2.82754 | 45.51246 | 33.56513 | -0.12573 | 49.59573 | 44.41993 | 10.72907 | 31.48093 |
| 3/3/2025 | 5:00:00 AM | 33.70089 | 52.82922 | 19.12833 | 28.25167 | 36.52556 | 2.82467 | 45.51533 | 33.5833 | -0.11759 | 49.58759 | 44.4485 | 10.74761 | 31.46239 |
| 3/3/2025 | 6:00:00 AM | 33.70424 | 52.84352 | 19.13928 | 28.24072 | 36.5363 | 2.83206 | 45.50794 | 33.5942 | -0.11004 | 49.58004 | 44.46635 | 10.76211 | 31.44789 |
| 3/3/2025 | 7:00:00 AM | 33.70089 | 52.84352 | 19.14263 | 28.23737 | 36.52914 | 2.82825 | 45.51175 | 33.59783 | -0.10306 | 49.57306 | 44.48064 | 10.77975 | 31.43025 |
| 3/3/2025 | 8:00:00 AM | 33.70758 | 52.8614 | 19.15382 | 28.22618 | 36.54346 | 2.83588 | 45.50412 | 33.6051 | -0.10248 | 49.57248 | 44.49135 | 10.78377 | 31.42623 |
| 3/3/2025 | 9:00:00 AM | 33.71092 | 52.86498 | 19.15406 | 28.22594 | 36.54346 | 2.83254 | 45.50746 | 33.60874 | -0.10218 | 49.57218 | 44.49492 | 10.784 | 31.426 |
| 3/3/2025 | 10:00:00 AM | 33.7243 | 52.8757 | 19.1514 | 28.2286 | 36.55062 | 2.82632 | 45.51368 | 33.62327 | -0.10103 | 49.57103 | 44.51992 | 10.79562 | 31.41438 |
| 3/3/2025 | 11:00:00 AM | 33.7243 | 52.87928 | 19.15498 | 28.22502 | 36.55778 | 2.83348 | 45.50652 | 33.62327 | -0.10103 | 49.57103 | 44.54492 | 10.82062 | 31.38938 |
| 3/3/2025 | 12:00:00 PM | 33.73433 | 52.8757 | 19.14137 | 28.23863 | 36.56852 | 2.83419 | 45.50581 | 33.62691 | -0.10742 | 49.57742 | 44.53421 | 10.79988 | 31.41012 |
| 3/3/2025 | 1:00:00 PM | 33.73099 | 52.88643 | 19.15544 | 28.22456 | 36.56494 | 2.83395 | 45.50605 | 33.63054 | -0.10045 | 49.57045 | 44.53064 | 10.79965 | 31.41035 |
| 3/3/2025 | 2:00:00 PM | 33.74436 | 52.89001 | 19.14565 | 28.23435 | 36.57567 | 2.83131 | 45.50869 | 33.63781 | -0.10655 | 49.57655 | 44.54492 | 10.80056 | 31.40944 |
| 3/3/2025 | 3:00:00 PM | 33.73768 | 52.87928 | 19.1416 | 28.2384 | 36.57567 | 2.83799 | 45.50201 | 33.64144 | -0.09624 | 49.56624 | 44.54135 | 10.80367 | 31.40633 |
| 3/3/2025 | 4:00:00 PM | 33.73768 | 52.88643 | 19.14875 | 28.23125 | 36.58283 | 2.84515 | 45.49485 | 33.64144 | -0.09624 | 49.56624 | 44.53064 | 10.79296 | 31.41704 |
| 3/3/2025 | 5:00:00 PM | 33.74436 | 52.89358 | 19.14922 | 28.23078 | 36.58641 | 2.84205 | 45.49795 | 33.64508 | -0.09928 | 49.56928 | 44.54135 | 10.79699 | 31.41301 |
| 3/3/2025 | 6:00:00 PM | 33.74102 | 52.90074 | 19.15972 | 28.22028 | 36.58999 | 2.84897 | 45.49103 | 33.64508 | -0.09594 | 49.56594 | 44.55921 | 10.81819 | 31.39181 |
| 3/3/2025 | 7:00:00 PM | 33.74436 | 52.90431 | 19.15995 | 28.22005 | 36.59715 | 2.85279 | 45.48721 | 33.65598 | -0.08838 | 49.55838 | 44.55921 | 10.81485 | 31.39515 |
| 3/3/2025 | 8:00:00 PM | 33.73433 | 52.90074 | 19.16641 | 28.21359 | 36.60073 | 2.8664 | 45.4736 | 33.65598 | -0.07835 | 49.54835 | 44.54849 | 10.81416 | 31.39584 |
| 3/3/2025 | 9:00:00 PM | 33.73433 | 52.90789 | 19.17356 | 28.20644 | 36.60431 | 2.86998 | 45.47002 | 33.65598 | -0.07835 | 49.54835 | 44.56278 | 10.82845 | 31.38155 |
| 3/3/2025 | 10:00:00 PM | 33.73768 | 52.90789 | 19.17021 | 28.20979 | 36.60789 | 2.87021 | 45.46979 | 33.65598 | -0.0817 | 49.5517 | 44.55921 | 10.82153 | 31.38847 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/3/2025 | 11:00:00 PM | 33.73099 | 52.90074 | 19.16975 | 28.21025 | 36.61505 | 2.88406 | 45.45594 | 33.65962 | -0.07137 | 49.54137 | 44.55564 | 10.82465 | 31.38535 |
| 3/4/2025 | 12:00:00 AM | 33.71427 | 52.8614 | 19.14713 | 28.23287 | 36.61863 | 2.90436 | 45.43564 | 33.65235 | -0.06192 | 49.53192 | 44.55564 | 10.84137 | 31.36863 |
| 3/4/2025 | 1:00:00 AM | 33.70758 | 52.85425 | 19.14667 | 28.23333 | 36.61863 | 2.91105 | 45.42895 | 33.65962 | -0.04796 | 49.51796 | 44.54135 | 10.83377 | 31.37623 |
| 3/4/2025 | 2:00:00 AM | 33.70424 | 52.8471 | 19.14286 | 28.23714 | 36.61863 | 2.91439 | 45.42561 | 33.64508 | -0.05916 | 49.52916 | 44.53421 | 10.82997 | 31.38003 |
| 3/4/2025 | 3:00:00 AM | 33.70089 | 52.83994 | 19.13905 | 28.24095 | 36.62579 | 2.9249 | 45.4151 | 33.64144 | -0.05945 | 49.52945 | 44.50921 | 10.80832 | 31.40168 |
| 3/4/2025 | 4:00:00 AM | 33.6942 | 52.82922 | 19.13502 | 28.24498 | 36.62937 | 2.93517 | 45.40483 | 33.63054 | -0.06366 | 49.53366 | 44.47707 | 10.78287 | 31.42713 |
| 3/4/2025 | 5:00:00 AM | 33.68083 | 52.81491 | 19.13408 | 28.24592 | 36.62579 | 2.94496 | 45.39504 | 33.61964 | -0.06119 | 49.53119 | 44.44135 | 10.76052 | 31.44948 |
| 3/4/2025 | 6:00:00 AM | 33.66745 | 52.79703 | 19.12958 | 28.25042 | 36.62937 | 2.96192 | 45.37808 | 33.60874 | -0.05871 | 49.52871 | 44.40564 | 10.73819 | 31.47181 |
| 3/4/2025 | 7:00:00 AM | 33.66076 | 52.7863 | 19.12554 | 28.25446 | 36.62221 | 2.96145 | 45.37855 | 33.5942 | -0.06656 | 49.53656 | 44.38421 | 10.72345 | 31.48655 |
| 3/4/2025 | 8:00:00 AM | 33.66076 | 52.78273 | 19.12197 | 28.25803 | 36.62579 | 2.96503 | 45.37497 | 33.59783 | -0.06293 | 49.53293 | 44.38778 | 10.72702 | 31.48298 |
| 3/4/2025 | 9:00:00 AM | 33.66411 | 52.78273 | 19.11862 | 28.26138 | 36.62221 | 2.9581 | 45.3819 | 33.58693 | -0.07718 | 49.54718 | 44.38064 | 10.71653 | 31.49347 |
| 3/4/2025 | 10:00:00 AM | 33.67414 | 52.79703 | 19.12289 | 28.25711 | 36.62579 | 2.95165 | 45.38835 | 33.58693 | -0.08721 | 49.55721 | 44.38421 | 10.71007 | 31.49993 |
| 3/4/2025 | 11:00:00 AM | 33.67748 | 52.78273 | 19.10525 | 28.27475 | 36.62221 | 2.94473 | 45.39527 | 33.58693 | -0.09055 | 49.56055 | 44.35207 | 10.67459 | 31.53541 |
| 3/4/2025 | 12:00:00 PM | 33.6708 | 52.78273 | 19.11193 | 28.26807 | 36.62221 | 2.95141 | 45.38859 | 33.5724 | -0.0984 | 49.5684 | 44.34136 | 10.67056 | 31.53944 |
| 3/4/2025 | 1:00:00 PM | 33.66745 | 52.76842 | 19.10097 | 28.27903 | 36.61147 | 2.94402 | 45.39598 | 33.55786 | -0.10959 | 49.57959 | 44.31279 | 10.64534 | 31.56466 |
| 3/4/2025 | 2:00:00 PM | 33.68417 | 52.77915 | 19.09498 | 28.28502 | 36.61147 | 2.9273 | 45.4127 | 33.56513 | -0.11904 | 49.58904 | 44.3235 | 10.63933 | 31.57067 |
| 3/4/2025 | 3:00:00 PM | 33.68752 | 52.79703 | 19.10951 | 28.27049 | 36.61505 | 2.92753 | 45.41247 | 33.5724 | -0.11512 | 49.58512 | 44.36636 | 10.67884 | 31.53116 |
| 3/4/2025 | 4:00:00 PM | 33.65742 | 52.75054 | 19.09312 | 28.28688 | 36.60431 | 2.94689 | 45.39311 | 33.5724 | -0.08502 | 49.55502 | 44.35921 | 10.70179 | 31.50821 |
| 3/4/2025 | 5:00:00 PM | 33.66411 | 52.74697 | 19.08286 | 28.29714 | 36.60431 | 2.9402 | 45.3998 | 33.58693 | -0.07718 | 49.54718 | 44.40564 | 10.74153 | 31.46847 |
| 3/4/2025 | 6:00:00 PM | 33.67414 | 52.77557 | 19.10143 | 28.27857 | 36.60073 | 2.92659 | 45.41341 | 33.60147 | -0.07267 | 49.54267 | 44.44493 | 10.77079 | 31.43921 |
| 3/4/2025 | 7:00:00 PM | 33.68083 | 52.80418 | 19.12335 | 28.25665 | 36.60431 | 2.92348 | 45.41652 | 33.62327 | -0.05756 | 49.52756 | 44.49135 | 10.81052 | 31.39948 |
| 3/4/2025 | 8:00:00 PM | 33.68417 | 52.82564 | 19.14147 | 28.23853 | 36.60431 | 2.92014 | 45.41986 | 33.62691 | -0.05726 | 49.52726 | 44.52349 | 10.83932 | 31.37068 |
| 3/4/2025 | 9:00:00 PM | 33.70424 | 52.8471 | 19.14286 | 28.23714 | 36.61505 | 2.91081 | 45.42919 | 33.65235 | -0.05189 | 49.52189 | 44.57349 | 10.86925 | 31.34075 |
| 3/4/2025 | 10:00:00 PM | 33.6942 | 52.85425 | 19.16005 | 28.21995 | 36.61505 | 2.92085 | 45.41915 | 33.65962 | -0.03458 | 49.50458 | 44.57706 | 10.88286 | 31.32714 |
| 3/4/2025 | 11:00:00 PM | 33.70089 | 52.8614 | 19.16051 | 28.21949 | 36.61863 | 2.91774 | 45.42226 | 33.66325 | -0.03764 | 49.50764 | 44.58421 | 10.88332 | 31.32668 |
| 3/5/2025 | 12:00:00 AM | 33.69755 | 52.86855 | 19.171 | 28.209 | 36.62221 | 2.92466 | 45.41534 | 33.67415 | -0.0234 | 49.4934 | 44.58778 | 10.89023 | 31.31977 |
| 3/5/2025 | 1:00:00 AM | 33.70424 | 52.8757 | 19.17146 | 28.20854 | 36.63295 | 2.92871 | 45.41129 | 33.68505 | -0.01919 | 49.48919 | 44.60921 | 10.90497 | 31.30503 |
| 3/5/2025 | 2:00:00 AM | 33.6942 | 52.8757 | 19.1815 | 28.1985 | 36.64011 | 2.94591 | 45.39409 | 33.68505 | -0.00915 | 49.47915 | 44.60921 | 10.91501 | 31.29499 |
| 3/5/2025 | 3:00:00 AM | 33.69755 | 52.86855 | 19.171 | 28.209 | 36.64011 | 2.94256 | 45.39744 | 33.68505 | -0.0125 | 49.4825 | 44.59492 | 10.89737 | 31.31263 |
| 3/5/2025 | 4:00:00 AM | 33.69086 | 52.8614 | 19.17054 | 28.20946 | 36.64369 | 2.95283 | 45.38717 | 33.68869 | -0.00217 | 49.47217 | 44.59135 | 10.90049 | 31.30951 |
| 3/5/2025 | 5:00:00 AM | 33.69086 | 52.8614 | 19.17054 | 28.20946 | 36.64369 | 2.95283 | 45.38717 | 33.68505 | -0.00581 | 49.47581 | 44.57706 | 10.8862 | 31.3238 |
| 3/5/2025 | 6:00:00 AM | 33.6942 | 52.88286 | 19.18866 | 28.19134 | 36.65442 | 2.96022 | 45.37978 | 33.68505 | -0.00915 | 49.47915 | 44.55921 | 10.86501 | 31.34499 |
| 3/5/2025 | 7:00:00 AM | 33.6708 | 52.81849 | 19.14769 | 28.23231 | 36.65442 | 2.98362 | 45.35638 | 33.67779 | 0.00699 | 49.46301 | 44.55921 | 10.88841 | 31.32159 |
| 3/5/2025 | 8:00:00 AM | 33.66745 | 52.82206 | 19.15461 | 28.22539 | 36.66158 | 2.99413 | 45.34587 | 33.67415 | 0.0067 | 49.4633 | 44.54849 | 10.88104 | 31.32896 |
| 3/5/2025 | 9:00:00 AM | 33.66745 | 52.82206 | 19.15461 | 28.22539 | 36.658 | 2.99055 | 45.34945 | 33.66688 | -0.00057 | 49.47057 | 44.52707 | 10.85962 | 31.35038 |
| 3/5/2025 | 10:00:00 AM | 33.67414 | 52.81491 | 19.14077 | 28.23923 | 36.66516 | 2.99102 | 45.34898 | 33.66688 | -0.00726 | 49.47726 | 44.50921 | 10.83507 | 31.37493 |
| 3/5/2025 | 11:00:00 AM | 33.68417 | 52.80061 | 19.11644 | 28.26356 | 36.66516 | 2.98099 | 45.35901 | 33.65235 | -0.03182 | 49.50182 | 44.4735 | 10.78933 | 31.42067 |
| 3/5/2025 | 12:00:00 PM | 33.67748 | 52.77557 | 19.09809 | 28.28191 | 36.66516 | 2.98768 | 45.35232 | 33.63418 | -0.0433 | 49.5133 | 44.43064 | 10.75316 | 31.45684 |
| 3/5/2025 | 1:00:00 PM | 33.70424 | 52.76485 | 19.06061 | 28.31939 | 36.66158 | 2.95734 | 45.38266 | 33.61964 | -0.0846 | 49.5546 | 44.36636 | 10.66212 | 31.54788 |
| 3/5/2025 | 2:00:00 PM | 33.70424 | 52.72551 | 19.02127 | 28.35873 | 36.66158 | 2.95734 | 45.38266 | 33.59783 | -0.10641 | 49.57641 | 44.31279 | 10.60855 | 31.60145 |
| 3/5/2025 | 3:00:00 PM | 33.69086 | 52.71121 | 19.02035 | 28.35965 | 36.658 | 2.96714 | 45.37286 | 33.57966 | -0.1112 | 49.5812 | 44.27707 | 10.58621 | 31.62379 |
| 3/5/2025 | 4:00:00 PM | 33.67414 | 52.69332 | 19.01918 | 28.36082 | 36.65442 | 2.98028 | 45.35972 | 33.56513 | -0.10901 | 49.57901 | 44.24493 | 10.57079 | 31.63921 |
| 3/5/2025 | 5:00:00 PM | 33.66076 | 52.68617 | 19.02541 | 28.35459 | 36.64726 | 2.9865 | 45.3535 | 33.55422 | -0.10654 | 49.57654 | 44.21993 | 10.55917 | 31.65083 |
| 3/5/2025 | 6:00:00 PM | 33.65408 | 52.6826 | 19.02852 | 28.35148 | 36.64011 | 2.98603 | 45.35397 | 33.53605 | -0.11803 | 49.58803 | 44.20208 | 10.548 | 31.662 |
| 3/5/2025 | 7:00:00 PM | 33.63736 | 52.6826 | 19.04524 | 28.33476 | 36.64369 | 3.00633 | 45.33367 | 33.53242 | -0.10494 | 49.57494 | 44.1985 | 10.56114 | 31.64886 |
| 3/5/2025 | 8:00:00 PM | 33.63067 | 52.68617 | 19.0555 | 28.3245 | 36.62937 | 2.9987 | 45.3413 | 33.53242 | -0.09825 | 49.56825 | 44.1985 | 10.56783 | 31.64217 |
| 3/5/2025 | 9:00:00 PM | 33.62398 | 52.69332 | 19.06934 | 28.31066 | 36.62937 | 3.00539 | 45.33461 | 33.52879 | -0.09519 | 49.56519 | 44.20922 | 10.58524 | 31.62476 |
| 3/5/2025 | 10:00:00 PM | 33.61395 | 52.70405 | 19.0901 | 28.2899 | 36.62221 | 3.00826 | 45.33174 | 33.53242 | -0.08153 | 49.55153 | 44.21279 | 10.59884 | 31.61116 |
| 3/5/2025 | 11:00:00 PM | 33.60726 | 52.71836 | 19.1111 | 28.2689 | 36.61863 | 3.01137 | 45.32863 | 33.53242 | -0.07484 | 49.54484 | 44.23422 | 10.62696 | 31.58304 |
| 3/6/2025 | 12:00:00 AM | 33.60392 | 52.71836 | 19.11444 | 28.26556 | 36.60431 | 3.00039 | 45.33961 | 33.53969 | -0.06423 | 49.53423 | 44.22708 | 10.62316 | 31.58684 |
| 3/6/2025 | 1:00:00 AM | 33.60057 | 52.72551 | 19.12494 | 28.25506 | 36.61147 | 3.0109 | 45.3291 | 33.53605 | -0.06452 | 49.53452 | 44.23779 | 10.63722 | 31.57278 |
| 3/6/2025 | 2:00:00 AM | 33.59054 | 52.73266 | 19.14212 | 28.23788 | 36.60789 | 3.01735 | 45.32265 | 33.53969 | -0.05085 | 49.52085 | 44.25922 | 10.66868 | 31.54132 |
| 3/6/2025 | 3:00:00 AM | 33.59054 | 52.74339 | 19.15285 | 28.22715 | 36.60431 | 3.01377 | 45.32623 | 33.55059 | -0.03995 | 49.50995 | 44.25922 | 10.66868 | 31.54132 |
| 3/6/2025 | 4:00:00 AM | 33.5872 | 52.73266 | 19.14546 | 28.23454 | 36.59715 | 3.00995 | 45.33005 | 33.54696 | -0.04024 | 49.51024 | 44.2485 | 10.6613 | 31.5487 |
| 3/6/2025 | 5:00:00 AM | 33.58385 | 52.75054 | 19.16669 | 28.21331 | 36.59715 | 3.0133 | 45.3267 | 33.54332 | -0.04053 | 49.51053 | 44.27707 | 10.69322 | 31.51678 |
| 3/6/2025 | 6:00:00 AM | 33.57382 | 52.75412 | 19.1803 | 28.1997 | 36.60073 | 3.02691 | 45.31309 | 33.56149 | -0.01233 | 49.48233 | 44.26993 | 10.69611 | 31.51389 |
| 3/6/2025 | 7:00:00 AM | 33.57716 | 52.76127 | 19.18411 | 28.19589 | 36.59357 | 3.01641 | 45.32359 | 33.55786 | -0.0193 | 49.4893 | 44.27707 | 10.69991 | 31.51009 |
| 3/6/2025 | 8:00:00 AM | 33.57382 | 52.76842 | 19.1946 | 28.1854 | 36.59357 | 3.01975 | 45.32025 | 33.56876 | -0.00506 | 49.47506 | 44.30564 | 10.73182 | 31.47818 |
| 3/6/2025 | 9:00:00 AM | 33.59388 | 52.77915 | 19.18527 | 28.19473 | 36.60431 | 3.01043 | 45.32957 | 33.57603 | -0.01785 | 49.48785 | 44.2985 | 10.70462 | 31.50538 |
| 3/6/2025 | 10:00:00 AM | 33.60726 | 52.77915 | 19.17189 | 28.20811 | 36.59357 | 2.98631 | 45.35369 | 33.5724 | -0.03486 | 49.50486 | 44.2985 | 10.69124 | 31.51876 |
| 3/6/2025 | 11:00:00 AM | 33.61395 | 52.75769 | 19.14374 | 28.23626 | 36.59357 | 2.97962 | 45.36038 | 33.5724 | -0.04155 | 49.51155 | 44.28779 | 10.67384 | 31.53616 |
| 3/6/2025 | 12:00:00 PM | 33.62064 | 52.74697 | 19.12633 | 28.25367 | 36.60073 | 2.98009 | 45.35991 | 33.5724 | -0.04824 | 49.51824 | 44.25922 | 10.63858 | 31.57142 |
| 3/6/2025 | 1:00:00 PM | 33.65742 | 52.74697 | 19.08955 | 28.29045 | 36.60073 | 2.94331 | 45.39669 | 33.56513 | -0.09229 | 49.56229 | 44.22708 | 10.56966 | 31.64034 |
| 3/6/2025 | 2:00:00 PM | 33.68083 | 52.73624 | 19.05541 | 28.32459 | 36.60073 | 2.9199 | 45.4201 | 33.55422 | -0.12661 | 49.59661 | 44.1985 | 10.51767 | 31.69233 |
| 3/6/2025 | 3:00:00 PM | 33.67748 | 52.74697 | 19.06949 | 28.31051 | 36.59715 | 2.91967 | 45.42033 | 33.55786 | -0.11962 | 49.58962 | 44.1985 | 10.52102 | 31.68898 |
| 3/6/2025 | 4:00:00 PM | 33.66745 | 52.75412 | 19.08667 | 28.29333 | 36.59715 | 2.9297 | 45.4103 | 33.56513 | -0.10232 | 49.57232 | 44.19493 | 10.52748 | 31.68252 |
| 3/6/2025 | 5:00:00 PM | 33.6708 | 52.76842 | 19.09762 | 28.28238 | 36.59715 | 2.92635 | 45.41365 | 33.56876 | -0.10204 | 49.57204 | 44.1985 | 10.5277 | 31.6823 |
| 3/6/2025 | 6:00:00 PM | 33.65742 | 52.77557 | 19.11815 | 28.26185 | 36.60073 | 2.94331 | 45.39669 | 33.5724 | -0.08502 | 49.55502 | 44.21993 | 10.56251 | 31.64749 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/6/2025 | 7:00:00 PM | 33.66076 | 52.78988 | 19.12912 | 28.25088 | 36.60073 | 2.93997 | 45.40003 | 33.5833 | -0.07746 | 49.54746 | 44.23065 | 10.56989 | 31.64011 |
| 3/6/2025 | 8:00:00 PM | 33.65073 | 52.79703 | 19.1463 | 28.2337 | 36.60431 | 2.95358 | 45.38642 | 33.5942 | -0.05653 | 49.52653 | 44.23422 | 10.58349 | 31.62651 |
| 3/6/2025 | 9:00:00 PM | 33.65408 | 52.83279 | 19.17871 | 28.20129 | 36.60431 | 2.95023 | 45.38977 | 33.61237 | -0.04171 | 49.51171 | 44.26279 | 10.60871 | 31.60129 |
| 3/6/2025 | 10:00:00 PM | 33.64404 | 52.83279 | 19.18875 | 28.19125 | 36.59715 | 2.95311 | 45.38689 | 33.62327 | -0.02077 | 49.49077 | 44.26279 | 10.61875 | 31.59125 |
| 3/6/2025 | 11:00:00 PM | 33.64404 | 52.83994 | 19.1959 | 28.1841 | 36.60789 | 2.96385 | 45.37615 | 33.63054 | -0.0135 | 49.4835 | 44.2735 | 10.62946 | 31.58054 |
| 3/7/2025 | 12:00:00 AM | 33.63736 | 52.8614 | 19.22404 | 28.15596 | 36.61505 | 2.97769 | 45.36231 | 33.64144 | 0.00408 | 49.46592 | 44.29136 | 10.654 | 31.556 |
| 3/7/2025 | 1:00:00 AM | 33.6407 | 52.87213 | 19.23143 | 28.14857 | 36.61505 | 2.97435 | 45.36565 | 33.65235 | 0.01165 | 49.45835 | 44.28422 | 10.64352 | 31.56648 |
| 3/7/2025 | 2:00:00 AM | 33.65073 | 52.89358 | 19.24285 | 28.13715 | 36.62221 | 2.97148 | 45.36852 | 33.65962 | 0.00889 | 49.46111 | 44.29493 | 10.6442 | 31.5658 |
| 3/7/2025 | 3:00:00 AM | 33.65073 | 52.89358 | 19.24285 | 28.13715 | 36.62221 | 2.97148 | 45.36852 | 33.66688 | 0.01615 | 49.45385 | 44.28422 | 10.63349 | 31.57651 |
| 3/7/2025 | 4:00:00 AM | 33.65742 | 52.89001 | 19.23259 | 28.14741 | 36.63295 | 2.97553 | 45.36447 | 33.66688 | 0.00946 | 49.46054 | 44.23065 | 10.57323 | 31.63677 |
| 3/7/2025 | 5:00:00 AM | 33.68752 | 52.91862 | 19.2311 | 28.1489 | 36.64011 | 2.95259 | 45.38741 | 33.68505 | -0.00247 | 49.47247 | 44.2235 | 10.53598 | 31.67402 |
| 3/7/2025 | 6:00:00 AM | 33.69755 | 52.81133 | 19.11378 | 28.26622 | 36.64011 | 2.94256 | 45.39744 | 33.70686 | 0.00931 | 49.46069 | 44.23779 | 10.54024 | 31.66976 |
| 3/7/2025 | 7:00:00 AM | 33.72096 | 52.82206 | 19.1011 | 28.2789 | 36.64726 | 2.9263 | 45.4137 | 33.71776 | -0.0032 | 49.4732 | 44.2485 | 10.52754 | 31.68246 |
| 3/7/2025 | 8:00:00 AM | 33.7544 | 52.85782 | 19.10342 | 28.27658 | 36.65442 | 2.90002 | 45.43998 | 33.73593 | -0.01847 | 49.48847 | 44.28422 | 10.52982 | 31.68018 |
| 3/7/2025 | 9:00:00 AM | 33.77112 | 52.87928 | 19.10816 | 28.27184 | 36.66516 | 2.89404 | 45.44596 | 33.7541 | -0.01702 | 49.48702 | 44.29493 | 10.52381 | 31.68619 |
| 3/7/2025 | 10:00:00 AM | 33.78115 | 52.8757 | 19.09455 | 28.28545 | 36.67232 | 2.89117 | 45.44883 | 33.7541 | -0.02705 | 49.49705 | 44.29493 | 10.51378 | 31.69622 |
| 3/7/2025 | 11:00:00 AM | 33.7778 | 52.85067 | 19.07287 | 28.30713 | 36.67948 | 2.90168 | 45.43832 | 33.7541 | -0.0237 | 49.4937 | 44.29493 | 10.51713 | 31.69287 |
| 3/7/2025 | 12:00:00 PM | 33.79452 | 52.85067 | 19.05615 | 28.32385 | 36.68664 | 2.89212 | 45.44788 | 33.74684 | -0.04768 | 49.51768 | 44.2985 | 10.50398 | 31.70602 |
| 3/7/2025 | 1:00:00 PM | 33.81124 | 52.84352 | 19.03228 | 28.34772 | 36.6938 | 2.88256 | 45.45744 | 33.74684 | -0.0644 | 49.5344 | 44.30207 | 10.49083 | 31.71917 |
| 3/7/2025 | 2:00:00 PM | 33.84468 | 52.83637 | 18.99169 | 28.38831 | 36.69738 | 2.8527 | 45.4873 | 33.73957 | -0.10511 | 49.57511 | 44.30207 | 10.45739 | 31.75261 |
| 3/7/2025 | 3:00:00 PM | 33.83465 | 52.83994 | 19.00529 | 28.37471 | 36.70454 | 2.86989 | 45.47011 | 33.73957 | -0.09508 | 49.56508 | 44.2985 | 10.46385 | 31.74615 |
| 3/7/2025 | 4:00:00 PM | 33.83465 | 52.82206 | 18.98741 | 28.39259 | 36.70812 | 2.87347 | 45.46653 | 33.7323 | -0.10235 | 49.57235 | 44.30207 | 10.46742 | 31.74258 |
| 3/7/2025 | 5:00:00 PM | 33.82128 | 52.81849 | 18.99721 | 28.38279 | 36.7117 | 2.89042 | 45.44958 | 33.72866 | -0.09262 | 49.56262 | 44.2985 | 10.47722 | 31.73278 |
| 3/7/2025 | 6:00:00 PM | 33.82128 | 52.81849 | 18.99721 | 28.38279 | 36.71528 | 2.894 | 45.446 | 33.72866 | -0.09262 | 49.56262 | 44.29493 | 10.47365 | 31.73635 |
| 3/7/2025 | 7:00:00 PM | 33.81124 | 52.82206 | 19.01082 | 28.36918 | 36.71528 | 2.90404 | 45.43596 | 33.72866 | -0.08258 | 49.55258 | 44.29136 | 10.48012 | 31.72988 |
| 3/7/2025 | 8:00:00 PM | 33.82128 | 52.83994 | 19.01866 | 28.36134 | 36.71528 | 2.894 | 45.446 | 33.73957 | -0.08171 | 49.55171 | 44.29136 | 10.47008 | 31.73992 |
| 3/7/2025 | 9:00:00 PM | 33.81124 | 52.82564 | 19.0144 | 28.3656 | 36.71528 | 2.90404 | 45.43596 | 33.72503 | -0.08621 | 49.55621 | 44.29136 | 10.48012 | 31.72988 |
| 3/7/2025 | 10:00:00 PM | 33.8079 | 52.82564 | 19.01774 | 28.36226 | 36.71886 | 2.91096 | 45.42904 | 33.72866 | -0.07924 | 49.54924 | 44.29136 | 10.48346 | 31.72654 |
| 3/7/2025 | 11:00:00 PM | 33.79787 | 52.79703 | 18.99916 | 28.38084 | 36.72244 | 2.92457 | 45.41543 | 33.70686 | -0.09101 | 49.56101 | 44.25207 | 10.4542 | 31.7558 |
| 3/8/2025 | 12:00:00 AM | 33.79787 | 52.80061 | 19.00274 | 28.37726 | 36.71886 | 2.92099 | 45.41901 | 33.69959 | -0.09828 | 49.56828 | 44.2735 | 10.47563 | 31.73437 |
| 3/8/2025 | 1:00:00 AM | 33.81124 | 52.81491 | 19.00367 | 28.37633 | 36.72601 | 2.91477 | 45.42523 | 33.70323 | -0.10801 | 49.57801 | 44.28422 | 10.47298 | 31.73702 |
| 3/8/2025 | 2:00:00 AM | 33.81124 | 52.81491 | 19.00367 | 28.37633 | 36.71886 | 2.90762 | 45.43238 | 33.69596 | -0.11528 | 49.58528 | 44.2735 | 10.46226 | 31.74774 |
| 3/8/2025 | 3:00:00 AM | 33.80121 | 52.81133 | 19.01012 | 28.36988 | 36.71886 | 2.91765 | 45.42235 | 33.69959 | -0.10162 | 49.57162 | 44.27707 | 10.47586 | 31.73414 |
| 3/8/2025 | 4:00:00 AM | 33.79787 | 52.79703 | 18.99916 | 28.38084 | 36.72601 | 2.92814 | 45.41186 | 33.68869 | -0.10918 | 49.57918 | 44.24136 | 10.44349 | 31.76651 |
| 3/8/2025 | 5:00:00 AM | 33.79787 | 52.81133 | 19.01346 | 28.36654 | 36.72244 | 2.92457 | 45.41543 | 33.69232 | -0.10555 | 49.57555 | 44.25922 | 10.46135 | 31.74865 |
| 3/8/2025 | 6:00:00 AM | 33.79787 | 52.82564 | 19.02777 | 28.35223 | 36.71886 | 2.92099 | 45.41901 | 33.69596 | -0.10191 | 49.57191 | 44.26636 | 10.46849 | 31.74151 |
| 3/8/2025 | 7:00:00 AM | 33.80121 | 52.82564 | 19.02443 | 28.35557 | 36.72959 | 2.92838 | 45.41162 | 33.69596 | -0.10525 | 49.57525 | 44.26993 | 10.46872 | 31.74128 |
| 3/8/2025 | 8:00:00 AM | 33.80121 | 52.83279 | 19.03158 | 28.34842 | 36.72601 | 2.9248 | 45.4152 | 33.70686 | -0.09435 | 49.56435 | 44.26636 | 10.46515 | 31.74485 |
| 3/8/2025 | 9:00:00 AM | 33.80121 | 52.82922 | 19.02801 | 28.35199 | 36.72601 | 2.9248 | 45.4152 | 33.71413 | -0.08708 | 49.55708 | 44.26993 | 10.46872 | 31.74128 |
| 3/8/2025 | 10:00:00 AM | 33.80456 | 52.83279 | 19.02823 | 28.35177 | 36.71886 | 2.9143 | 45.4257 | 33.71413 | -0.09043 | 49.56043 | 44.26993 | 10.46537 | 31.74463 |
| 3/8/2025 | 11:00:00 AM | 33.80456 | 52.82564 | 19.02108 | 28.35892 | 36.72601 | 2.92145 | 45.41855 | 33.70323 | -0.10133 | 49.57133 | 44.26636 | 10.4618 | 31.7482 |
| 3/8/2025 | 12:00:00 PM | 33.80121 | 52.81491 | 19.0137 | 28.3663 | 36.72244 | 2.92123 | 45.41877 | 33.69959 | -0.10162 | 49.57162 | 44.26279 | 10.46158 | 31.74842 |
| 3/8/2025 | 1:00:00 PM | 33.79452 | 52.79703 | 19.00251 | 28.37749 | 36.71886 | 2.92434 | 45.41566 | 33.68869 | -0.10583 | 49.57583 | 44.25565 | 10.46113 | 31.74887 |
| 3/8/2025 | 2:00:00 PM | 33.79452 | 52.77915 | 18.98463 | 28.39537 | 36.72244 | 2.92792 | 45.41208 | 33.67052 | -0.124 | 49.594 | 44.21993 | 10.42541 | 31.78459 |
| 3/8/2025 | 3:00:00 PM | 33.79118 | 52.7863 | 18.99512 | 28.38488 | 36.71886 | 2.92768 | 45.41232 | 33.66688 | -0.1243 | 49.5943 | 44.24136 | 10.45018 | 31.75982 |
| 3/8/2025 | 4:00:00 PM | 33.78449 | 52.772 | 18.98751 | 28.39249 | 36.7117 | 2.92721 | 45.41279 | 33.65598 | -0.12851 | 49.59851 | 44.2235 | 10.43901 | 31.77099 |
| 3/8/2025 | 5:00:00 PM | 33.78449 | 52.76127 | 18.97678 | 28.40322 | 36.72244 | 2.93795 | 45.40205 | 33.64508 | -0.13941 | 49.60941 | 44.20565 | 10.42116 | 31.78884 |
| 3/8/2025 | 6:00:00 PM | 33.7778 | 52.76485 | 18.98705 | 28.39295 | 36.71886 | 2.94106 | 45.39894 | 33.64508 | -0.13272 | 49.60272 | 44.2235 | 10.4457 | 31.7643 |
| 3/8/2025 | 7:00:00 PM | 33.77112 | 52.76485 | 18.99373 | 28.38627 | 36.7117 | 2.94058 | 45.39942 | 33.64144 | -0.12968 | 49.59968 | 44.20922 | 10.4381 | 31.7719 |
| 3/8/2025 | 8:00:00 PM | 33.75774 | 52.76485 | 19.00711 | 28.37289 | 36.70812 | 2.95038 | 45.38962 | 33.64144 | -0.1163 | 49.5863 | 44.21279 | 10.45505 | 31.75495 |
| 3/8/2025 | 9:00:00 PM | 33.76108 | 52.76842 | 19.00734 | 28.37266 | 36.70454 | 2.94346 | 45.39654 | 33.63781 | -0.12327 | 49.59327 | 44.20565 | 10.44457 | 31.76543 |
| 3/8/2025 | 10:00:00 PM | 33.7544 | 52.76127 | 19.00687 | 28.37313 | 36.70454 | 2.95014 | 45.38986 | 33.63781 | -0.11659 | 49.58659 | 44.20208 | 10.44768 | 31.76232 |
| 3/8/2025 | 11:00:00 PM | 33.74436 | 52.75769 | 19.01333 | 28.36667 | 36.70454 | 2.96018 | 45.37982 | 33.63418 | -0.11018 | 49.58018 | 44.19493 | 10.45057 | 31.75943 |
| 3/9/2025 | 12:00:00 AM | 33.73433 | 52.74697 | 19.01264 | 28.36736 | 36.70812 | 2.97379 | 45.36621 | 33.62691 | -0.10742 | 49.57742 | 44.19136 | 10.45703 | 31.75297 |
| 3/9/2025 | 1:00:00 AM | 33.71092 | 52.70048 | 18.98956 | 28.39044 | 36.69738 | 2.98646 | 45.35354 | 33.61237 | -0.09855 | 49.56855 | 44.18779 | 10.47687 | 31.73313 |
| 3/9/2025 | 3:00:00 AM | 33.69755 | 52.67902 | 18.98147 | 28.39853 | 36.6938 | 2.99625 | 45.34375 | 33.61237 | -0.08518 | 49.55518 | 44.16636 | 10.46881 | 31.74119 |
| 3/9/2025 | 4:00:00 AM | 33.68083 | 52.65756 | 18.97673 | 28.40327 | 36.68664 | 3.00581 | 45.33419 | 33.5942 | -0.08663 | 49.55663 | 44.13422 | 10.45339 | 31.75661 |
| 3/9/2025 | 5:00:00 AM | 33.65742 | 52.62896 | 18.97154 | 28.40846 | 36.68306 | 3.02564 | 45.31436 | 33.56876 | -0.08866 | 49.55866 | 44.13065 | 10.47323 | 31.73677 |
| 3/9/2025 | 6:00:00 AM | 33.65073 | 52.61108 | 18.96035 | 28.41965 | 36.68664 | 3.03591 | 45.30409 | 33.55786 | -0.09287 | 49.56287 | 44.11994 | 10.46921 | 31.74079 |
| 3/9/2025 | 7:00:00 AM | 33.6407 | 52.6075 | 18.9668 | 28.4132 | 36.6759 | 3.0352 | 45.3048 | 33.54696 | -0.09374 | 49.56374 | 44.11636 | 10.47566 | 31.73434 |
| 3/9/2025 | 8:00:00 AM | 33.63401 | 52.59319 | 18.95918 | 28.42082 | 36.67232 | 3.03831 | 45.30169 | 33.53242 | -0.10159 | 49.57159 | 44.10208 | 10.46807 | 31.74193 |
| 3/9/2025 | 9:00:00 AM | 33.63067 | 52.58604 | 18.95537 | 28.42463 | 36.66158 | 3.03091 | 45.30909 | 33.52515 | -0.10552 | 49.57552 | 44.09137 | 10.4607 | 31.7493 |
| 3/9/2025 | 10:00:00 AM | 33.61729 | 52.58247 | 18.96518 | 28.41482 | 36.658 | 3.04071 | 45.29929 | 33.51061 | -0.10668 | 49.57668 | 44.08422 | 10.46693 | 31.74307 |
| 3/9/2025 | 11:00:00 AM | 33.61395 | 52.57174 | 18.95779 | 28.42221 | 36.64369 | 3.02974 | 45.31026 | 33.50335 | -0.1106 | 49.5806 | 44.08065 | 10.4667 | 31.7433 |
| 3/9/2025 | 12:00:00 PM | 33.60057 | 52.57174 | 18.97117 | 28.40883 | 36.63295 | 3.03238 | 45.30762 | 33.48881 | -0.11176 | 49.58176 | 44.07351 | 10.47294 | 31.73706 |
| 3/9/2025 | 1:00:00 PM | 33.60392 | 52.58247 | 18.97855 | 28.40145 | 36.62937 | 3.02545 | 45.31455 | 33.49608 | -0.10784 | 49.57784 | 44.05922 | 10.4553 | 31.7547 |
| 3/9/2025 | 2:00:00 PM | 33.5872 | 52.55743 | 18.97023 | 28.40977 | 36.62221 | 3.03501 | 45.30499 | 33.48518 | -0.10202 | 49.57202 | 44.04137 | 10.45417 | 31.75583 |
| 3/9/2025 | 3:00:00 PM | 33.5872 | 52.6075 | 19.0203 | 28.3597 | 36.62221 | 3.03501 | 45.30499 | 33.49244 | -0.09476 | 49.56476 | 44.06994 | 10.48274 | 31.72726 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/9/2025 | 4:00:00 PM | 33.58051 | 52.62538 | 19.04487 | 28.33513 | 36.61863 | 3.03812 | 45.30188 | 33.49971 | -0.0808 | 49.5508 | 44.06637 | 10.48586 | 31.72414 |
| 3/9/2025 | 5:00:00 PM | 33.5872 | 52.64326 | 19.05606 | 28.32394 | 36.60431 | 3.01711 | 45.32289 | 33.51061 | -0.07659 | 49.54659 | 44.06994 | 10.48274 | 31.72726 |
| 3/9/2025 | 6:00:00 PM | 33.59054 | 52.66114 | 19.0706 | 28.3094 | 36.60431 | 3.01377 | 45.32623 | 33.51061 | -0.07993 | 49.54993 | 44.45207 | 10.86153 | 31.34847 |
| 3/9/2025 | 7:00:00 PM | 33.59054 | 52.67902 | 19.08848 | 28.29152 | 36.59715 | 3.00661 | 45.33339 | 33.51061 | -0.07993 | 49.54993 | 44.47707 | 10.88653 | 31.32347 |
| 3/9/2025 | 8:00:00 PM | 33.59054 | 52.6969 | 19.10636 | 28.27364 | 36.59715 | 3.00661 | 45.33339 | 33.52152 | -0.06902 | 49.53902 | 44.49849 | 10.90795 | 31.30205 |
| 3/9/2025 | 9:00:00 PM | 33.59388 | 52.71836 | 19.12448 | 28.25552 | 36.58999 | 2.99611 | 45.34389 | 33.53242 | -0.06146 | 49.53146 | 44.53064 | 10.93676 | 31.27324 |
| 3/9/2025 | 10:00:00 PM | 33.5872 | 52.72551 | 19.13831 | 28.24169 | 36.59357 | 3.00637 | 45.33363 | 33.53969 | -0.04751 | 49.51751 | 44.54849 | 10.96129 | 31.24871 |
| 3/9/2025 | 11:00:00 PM | 33.59723 | 52.75412 | 19.15689 | 28.22311 | 36.59357 | 2.99634 | 45.34366 | 33.55422 | -0.04301 | 49.51301 | 44.58063 | 10.9834 | 31.2266 |
| 3/10/2025 | 12:00:00 AM | 33.60057 | 52.76127 | 19.1607 | 28.2193 | 36.60073 | 3.00016 | 45.33984 | 33.56149 | -0.03908 | 49.50908 | 44.60563 | 11.00506 | 31.20494 |
| 3/10/2025 | 1:00:00 AM | 33.60392 | 52.77557 | 19.17165 | 28.20835 | 36.59715 | 2.99323 | 45.34677 | 33.57603 | -0.02789 | 49.49789 | 44.6342 | 11.03028 | 31.17972 |
| 3/10/2025 | 2:00:00 AM | 33.61395 | 52.78988 | 19.17593 | 28.20407 | 36.60431 | 2.99036 | 45.34964 | 33.58693 | -0.02702 | 49.49702 | 44.64135 | 11.0274 | 31.1826 |
| 3/10/2025 | 3:00:00 AM | 33.6106 | 52.80061 | 19.19001 | 28.18999 | 36.60073 | 2.99013 | 45.34987 | 33.58693 | -0.02367 | 49.49367 | 44.66635 | 11.05575 | 31.15425 |
| 3/10/2025 | 4:00:00 AM | 33.60726 | 52.79703 | 19.18977 | 28.19023 | 36.60789 | 3.00063 | 45.33937 | 33.58693 | -0.02033 | 49.49033 | 44.65206 | 11.0448 | 31.1652 |
| 3/10/2025 | 5:00:00 AM | 33.61395 | 52.80776 | 19.19381 | 28.18619 | 36.60789 | 2.99394 | 45.34606 | 33.59783 | -0.01612 | 49.48612 | 44.66992 | 11.05597 | 31.15403 |
| 3/10/2025 | 6:00:00 AM | 33.61729 | 52.81491 | 19.19762 | 28.18238 | 36.61147 | 2.99418 | 45.34582 | 33.59783 | -0.01946 | 49.48946 | 44.67706 | 11.05977 | 31.15023 |
| 3/10/2025 | 7:00:00 AM | 33.61729 | 52.81491 | 19.19762 | 28.18238 | 36.61863 | 3.00134 | 45.33866 | 33.60147 | -0.01582 | 49.48582 | 44.67706 | 11.05977 | 31.15023 |
| 3/10/2025 | 8:00:00 AM | 33.61395 | 52.81491 | 19.20096 | 28.17904 | 36.61505 | 3.0011 | 45.3389 | 33.60147 | -0.01248 | 49.48248 | 44.67349 | 11.05954 | 31.15046 |
| 3/10/2025 | 9:00:00 AM | 33.62064 | 52.82206 | 19.20142 | 28.17858 | 36.62221 | 3.00157 | 45.33843 | 33.6051 | -0.01554 | 49.48554 | 44.69135 | 11.07071 | 31.13929 |
| 3/10/2025 | 10:00:00 AM | 33.62064 | 52.82922 | 19.20858 | 28.17142 | 36.61863 | 2.99799 | 45.34201 | 33.60874 | -0.0119 | 49.4819 | 44.70206 | 11.08142 | 31.12858 |
| 3/10/2025 | 11:00:00 AM | 33.63736 | 52.82922 | 19.19186 | 28.18814 | 36.62579 | 2.98843 | 45.35157 | 33.61237 | -0.02499 | 49.49499 | 44.70206 | 11.0647 | 31.1453 |
| 3/10/2025 | 12:00:00 PM | 33.65073 | 52.82922 | 19.17849 | 28.20151 | 36.62937 | 2.97864 | 45.36136 | 33.61237 | -0.03836 | 49.50836 | 44.7092 | 11.05847 | 31.15153 |
| 3/10/2025 | 1:00:00 PM | 33.64404 | 52.80418 | 19.16014 | 28.21986 | 36.62579 | 2.98175 | 45.35825 | 33.6051 | -0.03894 | 49.50894 | 44.66277 | 11.01873 | 31.19127 |
| 3/10/2025 | 2:00:00 PM | 33.63736 | 52.76485 | 19.12749 | 28.25251 | 36.62937 | 2.99201 | 45.34799 | 33.57603 | -0.06133 | 49.53133 | 44.58778 | 10.95042 | 31.25958 |
| 3/10/2025 | 3:00:00 PM | 33.63067 | 52.74339 | 19.11272 | 28.26728 | 36.62937 | 2.9987 | 45.3413 | 33.55786 | -0.07281 | 49.54281 | 44.53421 | 10.90354 | 31.30646 |
| 3/10/2025 | 4:00:00 PM | 33.62064 | 52.72909 | 19.10845 | 28.27155 | 36.63295 | 3.01231 | 45.32769 | 33.55059 | -0.07005 | 49.54005 | 44.49849 | 10.87785 | 31.33215 |
| 3/10/2025 | 5:00:00 PM | 33.57716 | 52.63968 | 19.06252 | 28.31748 | 36.62579 | 3.04863 | 45.29137 | 33.53242 | -0.04474 | 49.51474 | 44.44135 | 10.86419 | 31.34581 |
| 3/10/2025 | 6:00:00 PM | 33.55041 | 52.59677 | 19.04636 | 28.33364 | 36.62937 | 3.07896 | 45.26104 | 33.50698 | -0.04343 | 49.51343 | 44.3985 | 10.84809 | 31.36191 |
| 3/10/2025 | 7:00:00 PM | 33.55041 | 52.60035 | 19.04994 | 28.33006 | 36.61863 | 3.06822 | 45.27178 | 33.49608 | -0.05433 | 49.52433 | 44.40564 | 10.85523 | 31.35477 |
| 3/10/2025 | 8:00:00 PM | 33.53369 | 52.58604 | 19.05235 | 28.32765 | 36.61863 | 3.08494 | 45.25506 | 33.48154 | -0.05215 | 49.52215 | 44.36636 | 10.83267 | 31.37733 |
| 3/10/2025 | 9:00:00 PM | 33.52366 | 52.57531 | 19.05165 | 28.32835 | 36.60431 | 3.08065 | 45.25935 | 33.47064 | -0.05302 | 49.52302 | 44.34136 | 10.8177 | 31.3923 |
| 3/10/2025 | 10:00:00 PM | 33.52032 | 52.56459 | 19.04427 | 28.33573 | 36.60431 | 3.08399 | 45.25601 | 33.4561 | -0.06422 | 49.53422 | 44.31636 | 10.79604 | 31.41396 |
| 3/10/2025 | 11:00:00 PM | 33.51028 | 52.55028 | 19.04 | 28.34 | 36.58999 | 3.07971 | 45.26029 | 33.44883 | -0.06145 | 49.53145 | 44.28779 | 10.77751 | 31.43249 |
| 3/11/2025 | 12:00:00 AM | 33.50694 | 52.53598 | 19.02904 | 28.35096 | 36.58283 | 3.07589 | 45.26411 | 33.43066 | -0.07628 | 49.54628 | 44.26636 | 10.75942 | 31.45058 |
| 3/11/2025 | 1:00:00 AM | 33.49022 | 52.52167 | 19.03145 | 28.34855 | 36.57209 | 3.08187 | 45.25813 | 33.41976 | -0.07046 | 49.54046 | 44.23779 | 10.74757 | 31.46243 |
| 3/11/2025 | 2:00:00 AM | 33.49022 | 52.52167 | 19.03145 | 28.34855 | 36.56494 | 3.07472 | 45.26528 | 33.41249 | -0.07773 | 49.54773 | 44.21636 | 10.72614 | 31.48386 |
| 3/11/2025 | 3:00:00 AM | 33.48019 | 52.50737 | 19.02718 | 28.35282 | 36.56494 | 3.08475 | 45.25525 | 33.40159 | -0.0786 | 49.5486 | 44.19493 | 10.71474 | 31.49526 |
| 3/11/2025 | 4:00:00 AM | 33.47016 | 52.48949 | 19.01933 | 28.36067 | 36.5542 | 3.08404 | 45.25596 | 33.38705 | -0.08311 | 49.55311 | 44.16279 | 10.69263 | 31.51737 |
| 3/11/2025 | 5:00:00 AM | 33.46681 | 52.47518 | 19.00837 | 28.37163 | 36.54704 | 3.08023 | 45.25977 | 33.36888 | -0.09793 | 49.56793 | 44.11994 | 10.65313 | 31.55687 |
| 3/11/2025 | 6:00:00 AM | 33.46012 | 52.46803 | 19.00791 | 28.37209 | 36.53988 | 3.07976 | 45.26024 | 33.36161 | -0.09851 | 49.56851 | 44.10208 | 10.64196 | 31.56804 |
| 3/11/2025 | 7:00:00 AM | 33.45678 | 52.46446 | 19.00768 | 28.37232 | 36.53272 | 3.07594 | 45.26406 | 33.34708 | -0.1097 | 49.5797 | 44.07351 | 10.61673 | 31.59327 |
| 3/11/2025 | 8:00:00 AM | 33.44675 | 52.45373 | 19.00698 | 28.37302 | 36.52198 | 3.07523 | 45.26477 | 33.33254 | -0.11421 | 49.58421 | 44.04494 | 10.59819 | 31.61181 |
| 3/11/2025 | 9:00:00 AM | 33.45009 | 52.43942 | 18.98933 | 28.39067 | 36.50408 | 3.05399 | 45.28601 | 33.32527 | -0.12482 | 49.59482 | 44.01994 | 10.56985 | 31.64015 |
| 3/11/2025 | 10:00:00 AM | 33.44675 | 52.43942 | 18.99267 | 28.38733 | 36.5005 | 3.05375 | 45.28625 | 33.318 | -0.12875 | 49.59875 | 44.01637 | 10.56962 | 31.64038 |
| 3/11/2025 | 11:00:00 AM | 33.45344 | 52.44658 | 18.99314 | 28.38686 | 36.48977 | 3.03633 | 45.30367 | 33.31074 | -0.1427 | 49.6127 | 44.03065 | 10.57721 | 31.63279 |
| 3/11/2025 | 12:00:00 PM | 33.45678 | 52.43227 | 18.97549 | 28.40451 | 36.48261 | 3.02583 | 45.31417 | 33.29983 | -0.15695 | 49.62695 | 43.99851 | 10.54173 | 31.66827 |
| 3/11/2025 | 1:00:00 PM | 33.45009 | 52.40724 | 18.95715 | 28.42285 | 36.47187 | 3.02178 | 45.31822 | 33.2853 | -0.16479 | 49.63479 | 43.94494 | 10.49485 | 31.71515 |
| 3/11/2025 | 2:00:00 PM | 33.4434 | 52.38936 | 18.94596 | 28.43404 | 36.46113 | 3.01773 | 45.32227 | 33.26713 | -0.17627 | 49.64627 | 43.90566 | 10.46226 | 31.74774 |
| 3/11/2025 | 3:00:00 PM | 33.43337 | 52.35002 | 18.91665 | 28.46335 | 36.45397 | 3.0206 | 45.3194 | 33.24896 | -0.18441 | 49.65441 | 43.84495 | 10.41158 | 31.79842 |
| 3/11/2025 | 4:00:00 PM | 33.42334 | 52.31784 | 18.8945 | 28.4855 | 36.43607 | 3.01273 | 45.32727 | 33.20898 | -0.21436 | 49.68436 | 43.79852 | 10.37518 | 31.83482 |
| 3/11/2025 | 5:00:00 PM | 33.41665 | 52.29638 | 18.87973 | 28.50027 | 36.43249 | 3.01584 | 45.32416 | 33.19081 | -0.22584 | 49.69584 | 43.77352 | 10.35687 | 31.85313 |
| 3/11/2025 | 6:00:00 PM | 33.40662 | 52.29638 | 18.88976 | 28.49024 | 36.40744 | 3.00082 | 45.33918 | 33.17627 | -0.23035 | 49.70035 | 43.76281 | 10.35619 | 31.85381 |
| 3/11/2025 | 7:00:00 PM | 33.40996 | 52.29281 | 18.88285 | 28.49715 | 36.40028 | 2.99032 | 45.34968 | 33.169 | -0.24096 | 49.71096 | 43.74852 | 10.33856 | 31.87144 |
| 3/11/2025 | 8:00:00 PM | 33.39993 | 52.28208 | 18.88215 | 28.49785 | 36.39312 | 2.99319 | 45.34681 | 33.15447 | -0.24546 | 49.71546 | 43.73066 | 10.33073 | 31.87927 |
| 3/11/2025 | 9:00:00 PM | 33.3899 | 52.27135 | 18.88145 | 28.49855 | 36.37164 | 2.98174 | 45.35826 | 33.1472 | -0.2427 | 49.7127 | 43.71281 | 10.32291 | 31.88709 |
| 3/11/2025 | 10:00:00 PM | 33.3899 | 52.26777 | 18.87787 | 28.50213 | 36.36448 | 2.97458 | 45.36542 | 33.1363 | -0.2536 | 49.7236 | 43.70924 | 10.31934 | 31.89066 |
| 3/11/2025 | 11:00:00 PM | 33.38321 | 52.2642 | 18.88099 | 28.49901 | 36.35016 | 2.96695 | 45.37305 | 33.12903 | -0.25418 | 49.72418 | 43.70566 | 10.32245 | 31.88755 |
| 3/12/2025 | 12:00:00 AM | 33.37987 | 52.26777 | 18.8879 | 28.4921 | 36.343 | 2.96313 | 45.37687 | 33.11813 | -0.26174 | 49.73174 | 43.68424 | 10.30437 | 31.90563 |
| 3/12/2025 | 1:00:00 AM | 33.37652 | 52.26062 | 18.8841 | 28.4959 | 36.33227 | 2.95575 | 45.38425 | 33.11086 | -0.26566 | 49.73566 | 43.68424 | 10.30772 | 31.90228 |
| 3/12/2025 | 2:00:00 AM | 33.37652 | 52.25704 | 18.88052 | 28.49948 | 36.32153 | 2.94501 | 45.39499 | 33.11086 | -0.26566 | 49.73566 | 43.67352 | 10.297 | 31.913 |
| 3/12/2025 | 3:00:00 AM | 33.37318 | 52.24632 | 18.87314 | 28.50686 | 36.31437 | 2.94119 | 45.39881 | 33.09632 | -0.27686 | 49.74686 | 43.66281 | 10.28963 | 31.92037 |
| 3/12/2025 | 4:00:00 AM | 33.36315 | 52.22486 | 18.86171 | 28.51829 | 36.29289 | 2.92974 | 45.41026 | 33.08542 | -0.27773 | 49.74773 | 43.64138 | 10.27823 | 31.93177 |
| 3/12/2025 | 5:00:00 AM | 33.35646 | 52.21771 | 18.86125 | 28.51875 | 36.29289 | 2.93643 | 45.40357 | 33.06361 | -0.29285 | 49.76285 | 43.63067 | 10.27421 | 31.93579 |
| 3/12/2025 | 6:00:00 AM | 33.35646 | 52.22128 | 18.86482 | 28.51518 | 36.27499 | 2.91853 | 45.42147 | 33.06361 | -0.29285 | 49.76285 | 43.63424 | 10.27778 | 31.93222 |
| 3/12/2025 | 7:00:00 AM | 33.34977 | 52.19983 | 18.85006 | 28.52994 | 36.26783 | 2.91806 | 45.42194 | 33.04544 | -0.30433 | 49.77433 | 43.61281 | 10.26304 | 31.94696 |
| 3/12/2025 | 8:00:00 AM | 33.33974 | 52.1891 | 18.84936 | 28.53064 | 36.24636 | 2.90662 | 45.43338 | 33.03817 | -0.30157 | 49.77157 | 43.59853 | 10.25879 | 31.95121 |
| 3/12/2025 | 9:00:00 AM | 33.34977 | 52.19268 | 18.84291 | 28.53709 | 36.24636 | 2.89659 | 45.44341 | 33.03454 | -0.31523 | 49.78523 | 43.59853 | 10.24876 | 31.96124 |
| 3/12/2025 | 10:00:00 AM | 33.3598 | 52.21413 | 18.85433 | 28.52567 | 36.23204 | 2.87224 | 45.46776 | 33.03454 | -0.32526 | 49.79526 | 43.61281 | 10.25301 | 31.95699 |
| 3/12/2025 | 11:00:00 AM | 33.36315 | 52.22486 | 18.86171 | 28.51829 | 36.2213 | 2.85815 | 45.48185 | 33.04181 | -0.32134 | 49.79134 | 43.60567 | 10.24252 | 31.96748 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/12/2025 | 12:00:00 PM | 33.36984 | 52.22486 | 18.85502 | 28.52498 | 36.2213 | 2.85146 | 45.48854 | 33.03817 | -0.33167 | 49.80167 | 43.61995 | 10.25011 | 31.95989 |
| 3/12/2025 | 1:00:00 PM | 33.36649 | 52.20698 | 18.84049 | 28.53951 | 36.2034 | 2.83691 | 45.50309 | 33.03454 | -0.33195 | 49.80195 | 43.59853 | 10.23204 | 31.97796 |
| 3/12/2025 | 2:00:00 PM | 33.36315 | 52.18552 | 18.82237 | 28.55763 | 36.19982 | 2.83667 | 45.50333 | 33.02364 | -0.33951 | 49.80951 | 43.59138 | 10.22823 | 31.98177 |
| 3/12/2025 | 3:00:00 PM | 33.36984 | 52.1891 | 18.81926 | 28.56074 | 36.19266 | 2.82282 | 45.51718 | 33.0091 | -0.36074 | 49.83074 | 43.5771 | 10.20726 | 32.00274 |
| 3/12/2025 | 4:00:00 PM | 33.36984 | 52.1748 | 18.80496 | 28.57504 | 36.18551 | 2.81567 | 45.52433 | 33.00547 | -0.36437 | 49.83437 | 43.56995 | 10.20011 | 32.00989 |
| 3/12/2025 | 5:00:00 PM | 33.36315 | 52.16764 | 18.80449 | 28.57551 | 36.17835 | 2.8152 | 45.5248 | 32.9982 | -0.36495 | 49.83495 | 43.55567 | 10.19252 | 32.01748 |
| 3/12/2025 | 6:00:00 PM | 33.2762 | 52.13546 | 18.85926 | 28.52074 | 36.16403 | 2.88783 | 45.45217 | 32.97639 | -0.29981 | 49.76981 | 43.53424 | 10.25804 | 31.95196 |
| 3/12/2025 | 7:00:00 PM | 33.26952 | 52.13903 | 18.86951 | 28.51049 | 36.16045 | 2.89093 | 45.44907 | 32.96549 | -0.30403 | 49.77403 | 43.53067 | 10.26115 | 31.94885 |
| 3/12/2025 | 8:00:00 PM | 33.25948 | 52.12473 | 18.86525 | 28.51475 | 36.15329 | 2.89381 | 45.44619 | 32.95822 | -0.30126 | 49.77126 | 43.51281 | 10.25333 | 31.95667 |
| 3/12/2025 | 9:00:00 PM | 33.24945 | 52.114 | 18.86455 | 28.51545 | 36.14613 | 2.89668 | 45.44332 | 32.94005 | -0.3094 | 49.7794 | 43.50924 | 10.25979 | 31.95021 |
| 3/12/2025 | 10:00:00 PM | 33.25614 | 52.12115 | 18.86501 | 28.51499 | 36.13897 | 2.88283 | 45.45717 | 32.93278 | -0.32336 | 49.79336 | 43.51281 | 10.25667 | 31.95333 |
| 3/12/2025 | 11:00:00 PM | 33.24276 | 52.11043 | 18.86767 | 28.51233 | 36.12465 | 2.88189 | 45.45811 | 32.92551 | -0.31725 | 49.78725 | 43.49139 | 10.24863 | 31.96137 |
| 3/13/2025 | 12:00:00 AM | 33.23273 | 52.10685 | 18.87412 | 28.50588 | 36.12107 | 2.88834 | 45.45166 | 32.91098 | -0.32175 | 49.79175 | 43.48424 | 10.25151 | 31.95849 |
| 3/13/2025 | 1:00:00 AM | 33.22604 | 52.0997 | 18.87366 | 28.50634 | 36.10676 | 2.88072 | 45.45928 | 32.89644 | -0.3296 | 49.7996 | 43.48067 | 10.25463 | 31.95537 |
| 3/13/2025 | 2:00:00 AM | 33.2227 | 52.11758 | 18.89488 | 28.48512 | 36.0996 | 2.8769 | 45.4631 | 32.89281 | -0.32989 | 49.79989 | 43.4771 | 10.2544 | 31.9556 |
| 3/13/2025 | 3:00:00 AM | 33.23273 | 52.12473 | 18.892 | 28.488 | 36.09602 | 2.86329 | 45.47671 | 32.89644 | -0.33629 | 49.80629 | 43.46996 | 10.23723 | 31.97277 |
| 3/13/2025 | 4:00:00 AM | 33.24276 | 52.14976 | 18.907 | 28.473 | 36.07812 | 2.83536 | 45.50464 | 32.90734 | -0.33542 | 49.80542 | 43.49496 | 10.2522 | 31.9578 |
| 3/13/2025 | 5:00:00 AM | 33.2528 | 52.17837 | 18.92557 | 28.45443 | 36.07812 | 2.82532 | 45.51468 | 32.91098 | -0.34182 | 49.81182 | 43.54853 | 10.29573 | 31.91427 |
| 3/13/2025 | 6:00:00 AM | 33.26952 | 52.22486 | 18.95534 | 28.42466 | 36.06738 | 2.79786 | 45.54214 | 32.94005 | -0.32947 | 49.79947 | 43.6271 | 10.35758 | 31.85242 |
| 3/13/2025 | 7:00:00 AM | 33.27286 | 52.22128 | 18.94842 | 28.43158 | 36.06738 | 2.79452 | 45.54548 | 32.97276 | -0.3001 | 49.7701 | 43.69138 | 10.41852 | 31.79148 |
| 3/13/2025 | 8:00:00 AM | 33.2762 | 52.24989 | 18.97369 | 28.40631 | 36.06738 | 2.79118 | 45.54882 | 32.9873 | -0.2889 | 49.7589 | 43.75566 | 10.47946 | 31.73054 |
| 3/13/2025 | 9:00:00 AM | 33.28958 | 52.27493 | 18.98535 | 28.39465 | 36.0638 | 2.77422 | 45.56578 | 33.01637 | -0.27321 | 49.74321 | 43.80566 | 10.51608 | 31.69392 |
| 3/13/2025 | 10:00:00 AM | 33.30296 | 52.31426 | 19.0113 | 28.3687 | 36.06022 | 2.75726 | 45.58274 | 33.03454 | -0.26842 | 49.73842 | 43.87352 | 10.57056 | 31.63944 |
| 3/13/2025 | 11:00:00 AM | 33.30964 | 52.33214 | 19.0225 | 28.3575 | 36.07096 | 2.76132 | 45.57868 | 33.05271 | -0.25693 | 49.72693 | 43.90566 | 10.59602 | 31.61398 |
| 3/13/2025 | 12:00:00 PM | 33.31968 | 52.33929 | 19.01961 | 28.36039 | 36.07454 | 2.75486 | 45.58514 | 33.06725 | -0.25243 | 49.72243 | 43.92351 | 10.60383 | 31.60617 |
| 3/13/2025 | 1:00:00 PM | 33.32971 | 52.33214 | 19.00243 | 28.37757 | 36.07454 | 2.74483 | 45.59517 | 33.06725 | -0.26246 | 49.73246 | 43.90923 | 10.57952 | 31.63048 |
| 3/13/2025 | 2:00:00 PM | 33.34308 | 52.32499 | 18.98191 | 28.39809 | 36.07812 | 2.73504 | 45.60496 | 33.07088 | -0.2722 | 49.7422 | 43.88423 | 10.54115 | 31.66885 |
| 3/13/2025 | 3:00:00 PM | 33.35646 | 52.33929 | 18.98283 | 28.39717 | 36.08886 | 2.7324 | 45.6076 | 33.07088 | -0.28558 | 49.75558 | 43.91994 | 10.56348 | 31.64652 |
| 3/13/2025 | 4:00:00 PM | 33.34308 | 52.34287 | 18.99979 | 28.38021 | 36.09244 | 2.74936 | 45.59064 | 33.08542 | -0.25766 | 49.72766 | 43.92709 | 10.58401 | 31.62599 |
| 3/13/2025 | 5:00:00 PM | 33.34308 | 52.35002 | 19.00694 | 28.37306 | 36.09244 | 2.74936 | 45.59064 | 33.08905 | -0.25403 | 49.72403 | 43.93066 | 10.58758 | 31.62242 |
| 3/13/2025 | 6:00:00 PM | 33.34308 | 52.3536 | 19.01052 | 28.36948 | 36.09602 | 2.75294 | 45.58706 | 33.09269 | -0.25039 | 49.72039 | 43.95566 | 10.61258 | 31.59742 |
| 3/13/2025 | 7:00:00 PM | 33.34643 | 52.37863 | 19.0322 | 28.3478 | 36.10676 | 2.76033 | 45.57967 | 33.10722 | -0.23921 | 49.70921 | 43.9878 | 10.64137 | 31.56863 |
| 3/13/2025 | 8:00:00 PM | 33.34308 | 52.38578 | 19.0427 | 28.3373 | 36.10676 | 2.76368 | 45.57632 | 33.11086 | -0.23222 | 49.70222 | 43.98423 | 10.64115 | 31.56885 |
| 3/13/2025 | 9:00:00 PM | 33.33974 | 52.40724 | 19.0675 | 28.3125 | 36.11391 | 2.77417 | 45.56583 | 33.12176 | -0.21798 | 49.68798 | 44.02708 | 10.68734 | 31.52266 |
| 3/13/2025 | 10:00:00 PM | 33.3364 | 52.42512 | 19.08872 | 28.29128 | 36.12107 | 2.78467 | 45.55533 | 33.12903 | -0.20737 | 49.67737 | 44.04494 | 10.70854 | 31.50146 |
| 3/13/2025 | 11:00:00 PM | 33.33305 | 52.43227 | 19.09922 | 28.28078 | 36.12823 | 2.79518 | 45.54482 | 33.13993 | -0.19312 | 49.66312 | 44.04137 | 10.70832 | 31.50168 |
| 3/14/2025 | 12:00:00 AM | 33.33305 | 52.42512 | 19.09207 | 28.28793 | 36.13181 | 2.79876 | 45.54124 | 33.13266 | -0.20039 | 49.67039 | 44.0378 | 10.70475 | 31.50525 |
| 3/14/2025 | 1:00:00 AM | 33.32971 | 52.4287 | 19.09899 | 28.28101 | 36.13539 | 2.80568 | 45.53432 | 33.13266 | -0.19705 | 49.66705 | 44.02708 | 10.69737 | 31.51263 |
| 3/14/2025 | 2:00:00 AM | 33.32636 | 52.41439 | 19.08803 | 28.29197 | 36.14255 | 2.81619 | 45.52381 | 33.12539 | -0.20097 | 49.67097 | 44.00565 | 10.67929 | 31.53071 |
| 3/14/2025 | 3:00:00 AM | 33.31968 | 52.41439 | 19.09471 | 28.28529 | 36.14255 | 2.82287 | 45.51713 | 33.12176 | -0.19792 | 49.66792 | 43.9878 | 10.66812 | 31.54188 |
| 3/14/2025 | 4:00:00 AM | 33.31299 | 52.40366 | 19.09067 | 28.28933 | 36.14255 | 2.82956 | 45.51044 | 33.11449 | -0.1985 | 49.6685 | 43.97708 | 10.66409 | 31.54591 |
| 3/14/2025 | 5:00:00 AM | 33.31299 | 52.40009 | 19.0871 | 28.2929 | 36.14613 | 2.83314 | 45.50686 | 33.11449 | -0.1985 | 49.6685 | 43.96994 | 10.65695 | 31.55305 |
| 3/14/2025 | 6:00:00 AM | 33.30296 | 52.39294 | 19.08998 | 28.29002 | 36.15329 | 2.85033 | 45.48967 | 33.10359 | -0.19937 | 49.66937 | 43.95923 | 10.65627 | 31.55373 |
| 3/14/2025 | 7:00:00 AM | 33.2762 | 52.3536 | 19.0774 | 28.3026 | 36.15329 | 2.87709 | 45.46291 | 33.10359 | -0.17261 | 49.64261 | 43.9378 | 10.6616 | 31.5484 |
| 3/14/2025 | 8:00:00 AM | 33.27286 | 52.34645 | 19.07359 | 28.30641 | 36.14971 | 2.87685 | 45.46315 | 33.08905 | -0.18381 | 49.65381 | 43.92351 | 10.65065 | 31.55935 |
| 3/14/2025 | 9:00:00 AM | 33.26952 | 52.33572 | 19.0662 | 28.3138 | 36.15329 | 2.88377 | 45.45623 | 33.08542 | -0.1841 | 49.6541 | 43.89137 | 10.62185 | 31.58815 |
| 3/14/2025 | 10:00:00 AM | 33.26952 | 52.32141 | 19.05189 | 28.32811 | 36.15687 | 2.88735 | 45.45265 | 33.07452 | -0.195 | 49.665 | 43.85566 | 10.58614 | 31.62386 |
| 3/14/2025 | 11:00:00 AM | 33.28289 | 52.30711 | 19.02422 | 28.35578 | 36.15329 | 2.8704 | 45.4696 | 33.06361 | -0.21928 | 49.68928 | 43.84137 | 10.55848 | 31.65152 |
| 3/14/2025 | 12:00:00 PM | 33.28958 | 52.28565 | 18.99607 | 28.38393 | 36.14971 | 2.86013 | 45.47987 | 33.05634 | -0.23324 | 49.70324 | 43.80566 | 10.51608 | 31.69392 |
| 3/14/2025 | 1:00:00 PM | 33.32636 | 52.26777 | 18.94141 | 28.43859 | 36.15329 | 2.82693 | 45.51307 | 33.03091 | -0.29545 | 49.76545 | 43.78066 | 10.4543 | 31.7557 |
| 3/14/2025 | 2:00:00 PM | 33.31968 | 52.24274 | 18.92306 | 28.45694 | 36.14613 | 2.82645 | 45.51355 | 33.01637 | -0.30331 | 49.77331 | 43.74138 | 10.4217 | 31.7883 |
| 3/14/2025 | 3:00:00 PM | 33.31633 | 52.23559 | 18.91926 | 28.46074 | 36.14613 | 2.8298 | 45.5102 | 33.01273 | -0.3036 | 49.7736 | 43.71995 | 10.40362 | 31.80638 |
| 3/14/2025 | 4:00:00 PM | 33.31968 | 52.24632 | 18.92664 | 28.45336 | 36.14255 | 2.82287 | 45.51713 | 32.9982 | -0.32148 | 49.79148 | 43.71281 | 10.39313 | 31.81687 |
| 3/14/2025 | 5:00:00 PM | 33.30964 | 52.24632 | 18.93668 | 28.44332 | 36.13539 | 2.82575 | 45.51425 | 32.99093 | -0.31871 | 49.78871 | 43.71281 | 10.40317 | 31.80683 |
| 3/14/2025 | 6:00:00 PM | 33.3063 | 52.23916 | 18.93286 | 28.44714 | 36.12823 | 2.82193 | 45.51807 | 32.99456 | -0.31174 | 49.78174 | 43.70924 | 10.40294 | 31.80706 |
| 3/14/2025 | 7:00:00 PM | 33.30296 | 52.24274 | 18.93978 | 28.44022 | 36.12465 | 2.82169 | 45.51831 | 32.99093 | -0.31203 | 49.78203 | 43.71638 | 10.41342 | 31.79658 |
| 3/14/2025 | 8:00:00 PM | 33.29961 | 52.24989 | 18.95028 | 28.42972 | 36.13181 | 2.8322 | 45.5078 | 32.99456 | -0.30505 | 49.77505 | 43.72352 | 10.42391 | 31.78609 |
| 3/14/2025 | 9:00:00 PM | 33.29961 | 52.26062 | 18.96101 | 28.41899 | 36.11391 | 2.8143 | 45.5257 | 32.99093 | -0.30868 | 49.77868 | 43.74852 | 10.44891 | 31.76109 |
| 3/14/2025 | 10:00:00 PM | 33.29292 | 52.25347 | 18.96055 | 28.41945 | 36.11391 | 2.82099 | 45.51901 | 32.99456 | -0.29836 | 49.76836 | 43.72709 | 10.43417 | 31.77583 |
| 3/14/2025 | 11:00:00 PM | 33.27955 | 52.23559 | 18.95604 | 28.42396 | 36.11033 | 2.83078 | 45.50922 | 32.98003 | -0.29952 | 49.76952 | 43.68781 | 10.40826 | 31.80174 |
| 3/15/2025 | 12:00:00 AM | 33.27955 | 52.23201 | 18.95246 | 28.42754 | 36.10318 | 2.82363 | 45.51637 | 32.98003 | -0.29952 | 49.76952 | 43.69138 | 10.41183 | 31.79817 |
| 3/15/2025 | 1:00:00 AM | 33.27286 | 52.22486 | 18.952 | 28.428 | 36.10676 | 2.8339 | 45.5061 | 32.96549 | -0.30737 | 49.77737 | 43.65567 | 10.38281 | 31.82719 |
| 3/15/2025 | 2:00:00 AM | 33.26617 | 52.2034 | 18.93723 | 28.44277 | 36.09602 | 2.82985 | 45.51015 | 32.95459 | -0.31158 | 49.78158 | 43.63067 | 10.3645 | 31.8455 |
| 3/15/2025 | 3:00:00 AM | 33.25948 | 52.19983 | 18.94035 | 28.43965 | 36.08886 | 2.82938 | 45.51062 | 32.95459 | -0.30489 | 49.77489 | 43.63067 | 10.37119 | 31.83881 |
| 3/15/2025 | 4:00:00 AM | 33.24945 | 52.19625 | 18.9468 | 28.4332 | 36.08528 | 2.83583 | 45.50417 | 32.94005 | -0.3094 | 49.7794 | 43.60924 | 10.35979 | 31.85021 |
| 3/15/2025 | 5:00:00 AM | 33.26283 | 52.21771 | 18.95488 | 28.42512 | 36.08528 | 2.82245 | 45.51755 | 32.94005 | -0.32278 | 49.79278 | 43.63067 | 10.36784 | 31.84216 |
| 3/15/2025 | 6:00:00 AM | 33.26283 | 52.22844 | 18.96561 | 28.41439 | 36.07812 | 2.81529 | 45.52471 | 32.94732 | -0.31551 | 49.78551 | 43.65209 | 10.38926 | 31.82074 |
| 3/15/2025 | 7:00:00 AM | 33.26952 | 52.26062 | 18.9911 | 28.3889 | 36.07454 | 2.80502 | 45.53498 | 32.95095 | -0.31857 | 49.78857 | 43.68781 | 10.41829 | 31.79171 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/15/2025 | 8:00:00 AM | 33.2762 | 52.29281 | 19.01661 | 28.36339 | 36.07812 | 2.80192 | 45.53808 | 32.97639 | -0.29981 | 49.76981 | 43.72709 | 10.45089 | 31.75911 |
| 3/15/2025 | 9:00:00 AM | 33.29292 | 52.32141 | 19.02849 | 28.35151 | 36.06738 | 2.77446 | 45.56554 | 32.99456 | -0.29836 | 49.76836 | 43.7878 | 10.49488 | 31.71512 |
| 3/15/2025 | 10:00:00 AM | 33.31633 | 52.36075 | 19.04442 | 28.33558 | 36.07454 | 2.75821 | 45.58179 | 33.01273 | -0.3036 | 49.7736 | 43.85209 | 10.53576 | 31.67424 |
| 3/15/2025 | 11:00:00 AM | 33.32971 | 52.38936 | 19.05965 | 28.32035 | 36.07096 | 2.74125 | 45.59875 | 33.03454 | -0.29517 | 49.76517 | 43.91637 | 10.58666 | 31.62334 |
| 3/15/2025 | 12:00:00 PM | 33.3364 | 52.41439 | 19.07799 | 28.30201 | 36.0817 | 2.7453 | 45.5947 | 33.04908 | -0.28732 | 49.75732 | 43.94494 | 10.60854 | 31.60146 |
| 3/15/2025 | 1:00:00 PM | 33.35312 | 52.4287 | 19.07558 | 28.30442 | 36.0817 | 2.72858 | 45.61142 | 33.07088 | -0.28224 | 49.75224 | 44.00208 | 10.64896 | 31.56104 |
| 3/15/2025 | 2:00:00 PM | 33.36984 | 52.443 | 19.07316 | 28.30684 | 36.07812 | 2.70828 | 45.63172 | 33.08542 | -0.28442 | 49.75442 | 44.01637 | 10.64653 | 31.56347 |
| 3/15/2025 | 3:00:00 PM | 33.37987 | 52.4573 | 19.07743 | 28.30257 | 36.08886 | 2.70899 | 45.63101 | 33.09995 | -0.27992 | 49.74992 | 44.04137 | 10.6615 | 31.5485 |
| 3/15/2025 | 4:00:00 PM | 33.37652 | 52.47161 | 19.09509 | 28.28491 | 36.0996 | 2.72308 | 45.61692 | 33.11086 | -0.26566 | 49.73566 | 44.05922 | 10.6827 | 31.5273 |
| 3/15/2025 | 5:00:00 PM | 33.37987 | 52.47518 | 19.09531 | 28.28469 | 36.10676 | 2.72689 | 45.61311 | 33.11813 | -0.26174 | 49.73174 | 44.0628 | 10.68293 | 31.52707 |
| 3/15/2025 | 6:00:00 PM | 33.38321 | 52.47518 | 19.09197 | 28.28803 | 36.11033 | 2.72712 | 45.61288 | 33.12539 | -0.25782 | 49.72782 | 44.06994 | 10.68673 | 31.52327 |
| 3/15/2025 | 7:00:00 PM | 33.37987 | 52.46446 | 19.08459 | 28.29541 | 36.11033 | 2.73046 | 45.60954 | 33.12176 | -0.25811 | 49.72811 | 44.05208 | 10.67221 | 31.53779 |
| 3/15/2025 | 8:00:00 PM | 33.36984 | 52.45373 | 19.08389 | 28.29611 | 36.12107 | 2.75123 | 45.58877 | 33.11449 | -0.25535 | 49.72535 | 44.01637 | 10.64653 | 31.56347 |
| 3/15/2025 | 9:00:00 PM | 33.3598 | 52.43585 | 19.07605 | 28.30395 | 36.12465 | 2.76485 | 45.57515 | 33.11449 | -0.24531 | 49.71531 | 43.9878 | 10.628 | 31.582 |
| 3/15/2025 | 10:00:00 PM | 33.34977 | 52.41797 | 19.0682 | 28.3118 | 36.13539 | 2.78562 | 45.55438 | 33.09632 | -0.25345 | 49.72345 | 43.95566 | 10.60589 | 31.60411 |
| 3/15/2025 | 11:00:00 PM | 33.34977 | 52.41797 | 19.0682 | 28.3118 | 36.13181 | 2.78204 | 45.55796 | 33.08542 | -0.26435 | 49.73435 | 43.95208 | 10.60231 | 31.60769 |
| 3/16/2025 | 12:00:00 AM | 33.34308 | 52.41797 | 19.07489 | 28.30511 | 36.13897 | 2.79589 | 45.54411 | 33.08542 | -0.25766 | 49.72766 | 43.9378 | 10.59472 | 31.61528 |
| 3/16/2025 | 1:00:00 AM | 33.33305 | 52.39651 | 19.06346 | 28.31654 | 36.13181 | 2.79876 | 45.54124 | 33.07088 | -0.26217 | 49.73217 | 43.90209 | 10.56904 | 31.64096 |
| 3/16/2025 | 2:00:00 AM | 33.32302 | 52.3679 | 19.04488 | 28.33512 | 36.14255 | 2.81953 | 45.52047 | 33.06361 | -0.25941 | 49.72941 | 43.85209 | 10.52907 | 31.68093 |
| 3/16/2025 | 3:00:00 AM | 33.30964 | 52.35717 | 19.04753 | 28.33247 | 36.14255 | 2.83291 | 45.50709 | 33.04181 | -0.26783 | 49.73783 | 43.81637 | 10.50673 | 31.70327 |
| 3/16/2025 | 4:00:00 AM | 33.30296 | 52.35002 | 19.04706 | 28.33294 | 36.13897 | 2.83601 | 45.50399 | 33.03454 | -0.26842 | 49.73842 | 43.79495 | 10.49199 | 31.71801 |
| 3/16/2025 | 5:00:00 AM | 33.31299 | 52.36433 | 19.05134 | 28.32866 | 36.14255 | 2.82956 | 45.51044 | 33.03817 | -0.27482 | 49.74482 | 43.82352 | 10.51053 | 31.69947 |
| 3/16/2025 | 6:00:00 AM | 33.31633 | 52.38221 | 19.06588 | 28.31412 | 36.13181 | 2.81548 | 45.52452 | 33.04544 | -0.27089 | 49.74089 | 43.85209 | 10.53576 | 31.67424 |
| 3/16/2025 | 7:00:00 AM | 33.32636 | 52.41082 | 19.08446 | 28.29554 | 36.13897 | 2.81261 | 45.52739 | 33.05271 | -0.27365 | 49.74365 | 43.89137 | 10.56501 | 31.64499 |
| 3/16/2025 | 8:00:00 AM | 33.3364 | 52.43227 | 19.09587 | 28.28413 | 36.13181 | 2.79541 | 45.54459 | 33.06361 | -0.27279 | 49.74279 | 43.9378 | 10.6014 | 31.6086 |
| 3/16/2025 | 9:00:00 AM | 33.34977 | 52.46446 | 19.11469 | 28.26531 | 36.13539 | 2.78562 | 45.55438 | 33.08178 | -0.26799 | 49.73799 | 43.99137 | 10.6416 | 31.5684 |
| 3/16/2025 | 10:00:00 AM | 33.35312 | 52.48591 | 19.13279 | 28.24721 | 36.13897 | 2.78585 | 45.55415 | 33.09995 | -0.25317 | 49.72317 | 44.01637 | 10.66325 | 31.54675 |
| 3/16/2025 | 11:00:00 AM | 33.37318 | 52.51452 | 19.14134 | 28.23866 | 36.13897 | 2.76579 | 45.57421 | 33.11086 | -0.26232 | 49.73232 | 44.08422 | 10.71104 | 31.49896 |
| 3/16/2025 | 12:00:00 PM | 33.38656 | 52.54313 | 19.15657 | 28.22343 | 36.14613 | 2.75957 | 45.58043 | 33.13993 | -0.24663 | 49.71663 | 44.14494 | 10.75838 | 31.45162 |
| 3/16/2025 | 1:00:00 PM | 33.39993 | 52.54313 | 19.1432 | 28.2368 | 36.15329 | 2.75336 | 45.58664 | 33.15447 | -0.24546 | 49.71546 | 44.15208 | 10.75215 | 31.45785 |
| 3/16/2025 | 2:00:00 PM | 33.43003 | 52.53955 | 19.10952 | 28.27048 | 36.15687 | 2.72684 | 45.61316 | 33.1581 | -0.27193 | 49.74193 | 44.14494 | 10.71491 | 31.49509 |
| 3/16/2025 | 3:00:00 PM | 33.43672 | 52.5181 | 19.08138 | 28.29862 | 36.16403 | 2.72731 | 45.61269 | 33.15447 | -0.28225 | 49.75225 | 44.11279 | 10.67607 | 31.53393 |
| 3/16/2025 | 4:00:00 PM | 33.43003 | 52.5181 | 19.08807 | 28.29193 | 36.16403 | 2.734 | 45.606 | 33.169 | -0.26103 | 49.73103 | 44.11636 | 10.68633 | 31.52367 |
| 3/16/2025 | 5:00:00 PM | 33.43003 | 52.53955 | 19.10952 | 28.27048 | 36.17119 | 2.74116 | 45.59884 | 33.16174 | -0.26829 | 49.73829 | 44.14136 | 10.71133 | 31.49867 |
| 3/16/2025 | 6:00:00 PM | 33.43337 | 52.55386 | 19.12049 | 28.25951 | 36.17477 | 2.7414 | 45.5986 | 33.17627 | -0.2571 | 49.7271 | 44.17708 | 10.74371 | 31.46629 |
| 3/16/2025 | 7:00:00 PM | 33.4434 | 52.59319 | 19.14979 | 28.23021 | 36.18908 | 2.74568 | 45.59432 | 33.19808 | -0.24532 | 49.71532 | 44.23779 | 10.79439 | 31.41561 |
| 3/16/2025 | 8:00:00 PM | 33.45009 | 52.6218 | 19.17171 | 28.20829 | 36.18908 | 2.73899 | 45.60101 | 33.21625 | -0.23384 | 49.70384 | 44.29493 | 10.84484 | 31.36516 |
| 3/16/2025 | 9:00:00 PM | 33.45344 | 52.63968 | 19.18624 | 28.19376 | 36.19624 | 2.7428 | 45.5972 | 33.23078 | -0.22266 | 49.69266 | 44.33064 | 10.8772 | 31.3328 |
| 3/16/2025 | 10:00:00 PM | 33.45678 | 52.66114 | 19.20436 | 28.17564 | 36.20698 | 2.7502 | 45.5898 | 33.24896 | -0.20782 | 49.67782 | 44.36636 | 10.90958 | 31.30042 |
| 3/16/2025 | 11:00:00 PM | 33.45344 | 52.66829 | 19.21485 | 28.16515 | 36.21056 | 2.75712 | 45.58288 | 33.25622 | -0.19722 | 49.66722 | 44.37707 | 10.92363 | 31.28637 |
| 3/17/2025 | 12:00:00 AM | 33.46347 | 52.68617 | 19.2227 | 28.1573 | 36.21772 | 2.75425 | 45.58575 | 33.27076 | -0.19271 | 49.66271 | 44.41278 | 10.94931 | 31.26069 |
| 3/17/2025 | 1:00:00 AM | 33.44675 | 52.66114 | 19.21439 | 28.16561 | 36.23204 | 2.78529 | 45.55471 | 33.28893 | -0.15782 | 49.62782 | 44.41993 | 10.97318 | 31.23682 |
| 3/17/2025 | 2:00:00 AM | 33.44675 | 52.66472 | 19.21797 | 28.16203 | 36.24278 | 2.79603 | 45.54397 | 33.29257 | -0.15418 | 49.62418 | 44.44135 | 10.9946 | 31.2154 |
| 3/17/2025 | 3:00:00 AM | 33.43672 | 52.6826 | 19.24588 | 28.13412 | 36.24636 | 2.80964 | 45.53036 | 33.3071 | -0.12962 | 49.59962 | 44.46992 | 11.0332 | 31.1768 |
| 3/17/2025 | 4:00:00 AM | 33.4434 | 52.69332 | 19.24992 | 28.13008 | 36.26425 | 2.82085 | 45.51915 | 33.32527 | -0.11813 | 49.58813 | 44.50207 | 11.05867 | 31.15133 |
| 3/17/2025 | 5:00:00 AM | 33.4434 | 52.71121 | 19.26781 | 28.11219 | 36.27141 | 2.82801 | 45.51199 | 33.33618 | -0.10722 | 49.57722 | 44.52349 | 11.08009 | 31.12991 |
| 3/17/2025 | 6:00:00 AM | 33.4434 | 52.72909 | 19.28569 | 28.09431 | 36.27857 | 2.83517 | 45.50483 | 33.34708 | -0.09632 | 49.56632 | 44.55921 | 11.11581 | 31.09419 |
| 3/17/2025 | 7:00:00 AM | 33.45344 | 52.74697 | 19.29353 | 28.08647 | 36.28573 | 2.83229 | 45.50771 | 33.37252 | -0.08092 | 49.55092 | 44.58778 | 11.13434 | 31.07566 |
| 3/17/2025 | 8:00:00 AM | 33.46012 | 52.76127 | 19.30115 | 28.07885 | 36.30363 | 2.84351 | 45.49649 | 33.37979 | -0.08033 | 49.55033 | 44.62349 | 11.16337 | 31.04663 |
| 3/17/2025 | 9:00:00 AM | 33.47016 | 52.77915 | 19.30899 | 28.07101 | 36.31437 | 2.84421 | 45.49579 | 33.39432 | -0.07584 | 49.54584 | 44.65563 | 11.18547 | 31.02453 |
| 3/17/2025 | 10:00:00 AM | 33.48688 | 52.81133 | 19.32445 | 28.05555 | 36.32511 | 2.83823 | 45.50177 | 33.41613 | -0.07075 | 49.54075 | 44.69135 | 11.20447 | 31.00553 |
| 3/17/2025 | 11:00:00 AM | 33.49691 | 52.83279 | 19.33588 | 28.04412 | 36.33585 | 2.83894 | 45.50106 | 33.42703 | -0.06988 | 49.53988 | 44.72706 | 11.23015 | 30.97985 |
| 3/17/2025 | 12:00:00 PM | 33.51028 | 52.85067 | 19.34039 | 28.03961 | 36.343 | 2.83272 | 45.50728 | 33.4452 | -0.06508 | 49.53508 | 44.74134 | 11.23106 | 30.97894 |
| 3/17/2025 | 1:00:00 PM | 33.5571 | 52.83994 | 19.28284 | 28.09716 | 36.3609 | 2.8038 | 45.5362 | 33.4452 | -0.1119 | 49.5819 | 44.73063 | 11.17353 | 31.03647 |
| 3/17/2025 | 2:00:00 PM | 33.51363 | 52.86855 | 19.35492 | 28.02508 | 36.37164 | 2.85801 | 45.48199 | 33.46337 | -0.05026 | 49.52026 | 44.74134 | 11.22771 | 30.98229 |
| 3/17/2025 | 3:00:00 PM | 33.51697 | 52.87928 | 19.36231 | 28.01769 | 36.3788 | 2.86183 | 45.47817 | 33.47427 | -0.0427 | 49.5127 | 44.7592 | 11.24223 | 30.96777 |
| 3/17/2025 | 4:00:00 PM | 33.54372 | 52.88286 | 19.33914 | 28.04086 | 36.39312 | 2.8494 | 45.4906 | 33.47427 | -0.06945 | 49.53945 | 44.75563 | 11.21191 | 30.99809 |
| 3/17/2025 | 5:00:00 PM | 33.54038 | 52.90074 | 19.36036 | 28.01964 | 36.40744 | 2.86706 | 45.47294 | 33.48881 | -0.05157 | 49.52157 | 44.77706 | 11.23668 | 30.97332 |
| 3/17/2025 | 6:00:00 PM | 33.55041 | 52.90431 | 19.3539 | 28.0261 | 36.41817 | 2.86776 | 45.47224 | 33.49608 | -0.05433 | 49.52433 | 44.78777 | 11.23736 | 30.97264 |
| 3/17/2025 | 7:00:00 PM | 33.55041 | 52.92577 | 19.37536 | 28.00464 | 36.43249 | 2.88208 | 45.45792 | 33.50698 | -0.04343 | 49.51343 | 44.82706 | 11.27665 | 30.93335 |
| 3/17/2025 | 8:00:00 PM | 33.55376 | 52.9508 | 19.39704 | 27.98296 | 36.43965 | 2.88589 | 45.45411 | 33.53242 | -0.02134 | 49.49134 | 44.86277 | 11.30901 | 30.90099 |
| 3/17/2025 | 9:00:00 PM | 33.57048 | 52.96868 | 19.3982 | 27.9818 | 36.45039 | 2.87991 | 45.46009 | 33.53969 | -0.03079 | 49.50079 | 44.90205 | 11.33157 | 30.87843 |
| 3/17/2025 | 10:00:00 PM | 33.5872 | 52.99371 | 19.40651 | 27.97349 | 36.46471 | 2.87751 | 45.46249 | 33.56513 | -0.02207 | 49.49207 | 44.94491 | 11.35771 | 30.85229 |
| 3/17/2025 | 11:00:00 PM | 33.62732 | 53.01517 | 19.38785 | 27.99215 | 36.47187 | 2.84455 | 45.49545 | 33.57966 | -0.04766 | 49.51766 | 44.98419 | 11.35687 | 30.85313 |
| 3/18/2025 | 12:00:00 AM | 33.63067 | 53.02947 | 19.3988 | 27.9812 | 36.48977 | 2.8591 | 45.4809 | 33.58693 | -0.04374 | 49.51374 | 44.99848 | 11.36781 | 30.84219 |
| 3/18/2025 | 1:00:00 AM | 33.63401 | 53.0402 | 19.40619 | 27.97381 | 36.49692 | 2.86291 | 45.47709 | 33.61237 | -0.02164 | 49.49164 | 45.02348 | 11.38947 | 30.82053 |
| 3/18/2025 | 2:00:00 AM | 33.68083 | 53.06881 | 19.38798 | 27.99202 | 36.51482 | 2.83399 | 45.50601 | 33.62691 | -0.05392 | 49.52392 | 45.05919 | 11.37836 | 30.83164 |
| 3/18/2025 | 3:00:00 AM | 33.71092 | 53.05808 | 19.34716 | 28.03284 | 36.52556 | 2.81464 | 45.52536 | 33.64144 | -0.06948 | 49.53948 | 45.10205 | 11.39113 | 30.81887 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/18/2025 | 4:00:00 AM | 33.72764 | 53.08312 | 19.35548 | 28.02452 | 36.54346 | 2.81582 | 45.52418 | 33.65962 | -0.06802 | 49.53802 | 45.14133 | 11.41369 | 30.79631 |
| 3/18/2025 | 5:00:00 AM | 33.74771 | 53.11172 | 19.36401 | 28.01599 | 36.5542 | 2.80649 | 45.53351 | 33.68869 | -0.05902 | 49.52902 | 45.19133 | 11.44362 | 30.76638 |
| 3/18/2025 | 6:00:00 AM | 33.76443 | 53.13676 | 19.37233 | 28.00767 | 36.57209 | 2.80766 | 45.53234 | 33.70686 | -0.05757 | 49.52757 | 45.23061 | 11.46618 | 30.74382 |
| 3/18/2025 | 7:00:00 AM | 33.81124 | 53.16537 | 19.35413 | 28.02587 | 36.58283 | 2.77159 | 45.56841 | 33.72866 | -0.08258 | 49.55258 | 45.25918 | 11.44794 | 30.76206 |
| 3/18/2025 | 8:00:00 AM | 33.81793 | 53.17967 | 19.36174 | 28.01826 | 36.60431 | 2.78638 | 45.55362 | 33.75047 | -0.06746 | 49.53746 | 45.2949 | 11.47697 | 30.73303 |
| 3/18/2025 | 9:00:00 AM | 33.85472 | 53.19755 | 19.34283 | 28.03717 | 36.61147 | 2.75675 | 45.58325 | 33.76864 | -0.08608 | 49.55608 | 45.34132 | 11.4866 | 30.7234 |
| 3/18/2025 | 10:00:00 AM | 33.87144 | 53.23689 | 19.36545 | 28.01455 | 36.62937 | 2.75793 | 45.58207 | 33.80135 | -0.07009 | 49.54009 | 45.39846 | 11.52702 | 30.68298 |
| 3/18/2025 | 11:00:00 AM | 33.89819 | 53.25477 | 19.35658 | 28.02342 | 36.64726 | 2.74907 | 45.59093 | 33.81225 | -0.08594 | 49.55594 | 45.42703 | 11.52884 | 30.68116 |
| 3/18/2025 | 12:00:00 PM | 33.91825 | 53.2655 | 19.34725 | 28.03275 | 36.66874 | 2.75049 | 45.58951 | 33.83406 | -0.08419 | 49.55419 | 45.43418 | 11.51593 | 30.69407 |
| 3/18/2025 | 1:00:00 PM | 33.93497 | 53.26192 | 19.32695 | 28.05305 | 36.68306 | 2.74809 | 45.59191 | 33.84859 | -0.08638 | 49.55638 | 45.41989 | 11.48492 | 30.72508 |
| 3/18/2025 | 2:00:00 PM | 33.96172 | 53.25834 | 19.29662 | 28.08338 | 36.69738 | 2.73566 | 45.60434 | 33.85223 | -0.10949 | 49.57949 | 45.39489 | 11.43317 | 30.77683 |
| 3/18/2025 | 3:00:00 PM | 33.9751 | 53.25119 | 19.27609 | 28.10391 | 36.71886 | 2.74376 | 45.59624 | 33.85586 | -0.11924 | 49.58924 | 45.38418 | 11.40908 | 30.80092 |
| 3/18/2025 | 4:00:00 PM | 33.96172 | 53.23689 | 19.27517 | 28.10483 | 36.72601 | 2.76429 | 45.57571 | 33.85949 | -0.10223 | 49.57223 | 45.36989 | 11.40817 | 30.80183 |
| 3/18/2025 | 5:00:00 PM | 33.945 | 53.23331 | 19.28831 | 28.09169 | 36.74033 | 2.79533 | 45.54467 | 33.85949 | -0.08551 | 49.55551 | 45.35561 | 11.41061 | 30.79939 |
| 3/18/2025 | 6:00:00 PM | 33.94835 | 53.23689 | 19.28854 | 28.09146 | 36.75465 | 2.8063 | 45.5337 | 33.85586 | -0.09249 | 49.56249 | 45.35918 | 11.41083 | 30.79917 |
| 3/18/2025 | 7:00:00 PM | 33.945 | 53.24404 | 19.29904 | 28.08096 | 36.76897 | 2.82397 | 45.51603 | 33.86676 | -0.07824 | 49.54824 | 45.37704 | 11.43204 | 30.77796 |
| 3/18/2025 | 8:00:00 PM | 33.93832 | 53.23689 | 19.29857 | 28.08143 | 36.78329 | 2.84497 | 45.49503 | 33.86313 | -0.07519 | 49.54519 | 45.37704 | 11.43872 | 30.77128 |
| 3/18/2025 | 9:00:00 PM | 33.93163 | 53.24046 | 19.30883 | 28.07117 | 36.79045 | 2.85882 | 45.48118 | 33.8704 | -0.06123 | 49.53123 | 45.36989 | 11.43826 | 30.77174 |
| 3/18/2025 | 10:00:00 PM | 33.93497 | 53.25477 | 19.3198 | 28.0602 | 36.80834 | 2.87337 | 45.46663 | 33.87403 | -0.06094 | 49.53094 | 45.39489 | 11.45992 | 30.75008 |
| 3/18/2025 | 11:00:00 PM | 33.92828 | 53.23331 | 19.30503 | 28.07497 | 36.81192 | 2.88364 | 45.45636 | 33.87767 | -0.05061 | 49.52061 | 45.40204 | 11.47376 | 30.73624 |
| 3/19/2025 | 12:00:00 AM | 33.91825 | 53.22258 | 19.30433 | 28.07567 | 36.82624 | 2.90799 | 45.43201 | 33.88493 | -0.03332 | 49.50332 | 45.38418 | 11.46593 | 30.74407 |
| 3/19/2025 | 1:00:00 AM | 33.90488 | 53.21901 | 19.31413 | 28.06587 | 36.82982 | 2.92494 | 45.41506 | 33.87403 | -0.03085 | 49.50085 | 45.34847 | 11.44359 | 30.76641 |
| 3/19/2025 | 2:00:00 AM | 33.89819 | 53.1904 | 19.29221 | 28.08779 | 36.84056 | 2.94237 | 45.39763 | 33.8704 | -0.02779 | 49.49779 | 45.30918 | 11.41099 | 30.79901 |
| 3/19/2025 | 3:00:00 AM | 33.88481 | 53.17252 | 19.28771 | 28.09229 | 36.84056 | 2.95575 | 45.38425 | 33.85223 | -0.03258 | 49.50258 | 45.25561 | 11.3708 | 30.8392 |
| 3/19/2025 | 4:00:00 AM | 33.86809 | 53.15464 | 19.28655 | 28.09345 | 36.85488 | 2.98679 | 45.35321 | 33.83769 | -0.0304 | 49.5004 | 45.20918 | 11.34109 | 30.86891 |
| 3/19/2025 | 5:00:00 AM | 33.8614 | 53.13676 | 19.27536 | 28.10464 | 36.86204 | 3.00064 | 45.33936 | 33.81952 | -0.04188 | 49.51188 | 45.15919 | 11.29779 | 30.91221 |
| 3/19/2025 | 6:00:00 AM | 33.84468 | 53.10457 | 19.25989 | 28.12011 | 36.85846 | 3.01378 | 45.32622 | 33.79771 | -0.04697 | 49.51697 | 45.10562 | 11.26094 | 30.94906 |
| 3/19/2025 | 7:00:00 AM | 33.82796 | 53.06881 | 19.24085 | 28.13915 | 36.85846 | 3.0305 | 45.3095 | 33.77227 | -0.05569 | 49.52569 | 45.02705 | 11.19909 | 31.01091 |
| 3/19/2025 | 8:00:00 AM | 33.81793 | 53.04378 | 19.22585 | 28.15415 | 36.8692 | 3.05127 | 45.28873 | 33.73957 | -0.07836 | 49.54836 | 44.95205 | 11.13412 | 31.07588 |
| 3/19/2025 | 9:00:00 AM | 33.80456 | 53.02232 | 19.21776 | 28.16224 | 36.86562 | 3.06106 | 45.27894 | 33.72503 | -0.07953 | 49.54953 | 44.90205 | 11.09749 | 31.11251 |
| 3/19/2025 | 10:00:00 AM | 33.8079 | 52.99729 | 19.18939 | 28.19061 | 36.85488 | 3.04698 | 45.29302 | 33.70323 | -0.10467 | 49.57467 | 44.84848 | 11.04058 | 31.16942 |
| 3/19/2025 | 11:00:00 AM | 33.79118 | 52.97583 | 19.18465 | 28.19535 | 36.85488 | 3.0637 | 45.2763 | 33.68142 | -0.10976 | 49.57976 | 44.79491 | 11.00373 | 31.20627 |
| 3/19/2025 | 12:00:00 PM | 33.80456 | 52.97583 | 19.17127 | 28.20873 | 36.8513 | 3.04674 | 45.29326 | 33.66325 | -0.14131 | 49.61131 | 44.76634 | 10.96178 | 31.24822 |
| 3/19/2025 | 1:00:00 PM | 33.7778 | 52.91862 | 19.14082 | 28.23918 | 36.84414 | 3.06634 | 45.27366 | 33.63418 | -0.14362 | 49.61362 | 44.64849 | 10.87069 | 31.33931 |
| 3/19/2025 | 2:00:00 PM | 33.76108 | 52.8757 | 19.11462 | 28.26538 | 36.83698 | 3.0759 | 45.2641 | 33.59783 | -0.16325 | 49.63325 | 44.56992 | 10.80884 | 31.40116 |
| 3/19/2025 | 3:00:00 PM | 33.73768 | 52.77557 | 19.03789 | 28.34211 | 36.82624 | 3.08856 | 45.25144 | 33.56513 | -0.17255 | 49.64255 | 44.48421 | 10.74653 | 31.46347 |
| 3/19/2025 | 4:00:00 PM | 33.72096 | 52.75054 | 19.02958 | 28.35042 | 36.81192 | 3.09096 | 45.24904 | 33.52879 | -0.19217 | 49.66217 | 44.39493 | 10.67397 | 31.53603 |
| 3/19/2025 | 5:00:00 PM | 33.71092 | 52.71836 | 19.00744 | 28.37256 | 36.80476 | 3.09384 | 45.24616 | 33.49971 | -0.21121 | 49.68121 | 44.34493 | 10.63401 | 31.57599 |
| 3/19/2025 | 6:00:00 PM | 33.70758 | 52.70763 | 19.00005 | 28.37995 | 36.79761 | 3.09003 | 45.24997 | 33.47427 | -0.23331 | 49.70331 | 44.31636 | 10.60878 | 31.60122 |
| 3/19/2025 | 7:00:00 PM | 33.71427 | 52.71478 | 19.00051 | 28.37949 | 36.78329 | 3.06902 | 45.27098 | 33.46337 | -0.2509 | 49.7209 | 44.31636 | 10.60209 | 31.60791 |
| 3/19/2025 | 8:00:00 PM | 33.70758 | 52.70763 | 19.00005 | 28.37995 | 36.76897 | 3.06139 | 45.27861 | 33.4561 | -0.25148 | 49.72148 | 44.30207 | 10.59449 | 31.61551 |
| 3/19/2025 | 9:00:00 PM | 33.71092 | 52.73266 | 19.02174 | 28.35826 | 36.76181 | 3.05089 | 45.28911 | 33.45247 | -0.25845 | 49.72845 | 44.32707 | 10.61615 | 31.59385 |
| 3/19/2025 | 10:00:00 PM | 33.71427 | 52.75054 | 19.03627 | 28.34373 | 36.74391 | 3.02964 | 45.31036 | 33.44883 | -0.26544 | 49.73544 | 44.35207 | 10.6378 | 31.5722 |
| 3/19/2025 | 11:00:00 PM | 33.71427 | 52.76485 | 19.05058 | 28.32942 | 36.72959 | 3.01532 | 45.32468 | 33.45247 | -0.2618 | 49.7318 | 44.35207 | 10.6378 | 31.5722 |
| 3/20/2025 | 12:00:00 AM | 33.71761 | 52.77915 | 19.06154 | 28.31846 | 36.72244 | 3.00483 | 45.33517 | 33.45247 | -0.26514 | 49.73514 | 44.36636 | 10.64875 | 31.56125 |
| 3/20/2025 | 1:00:00 AM | 33.7243 | 52.78988 | 19.06558 | 28.31442 | 36.7117 | 2.9874 | 45.3526 | 33.46337 | -0.26093 | 49.73093 | 44.40921 | 10.68491 | 31.52509 |
| 3/20/2025 | 2:00:00 AM | 33.73433 | 52.81849 | 19.08416 | 28.29584 | 36.70454 | 2.97021 | 45.36979 | 33.47791 | -0.25642 | 49.72642 | 44.4485 | 10.71417 | 31.49583 |
| 3/20/2025 | 3:00:00 AM | 33.73433 | 52.82922 | 19.09489 | 28.28511 | 36.6938 | 2.95947 | 45.38053 | 33.48518 | -0.24915 | 49.71915 | 44.47707 | 10.74274 | 31.46726 |
| 3/20/2025 | 4:00:00 AM | 33.73099 | 52.82922 | 19.09823 | 28.28177 | 36.69738 | 2.96639 | 45.37361 | 33.48881 | -0.24218 | 49.71218 | 44.48064 | 10.74965 | 31.46035 |
| 3/20/2025 | 5:00:00 AM | 33.6942 | 52.73624 | 19.04204 | 28.33796 | 36.68306 | 2.98886 | 45.35114 | 33.48881 | -0.20539 | 49.67539 | 44.4735 | 10.7793 | 31.4307 |
| 3/20/2025 | 6:00:00 AM | 33.6942 | 52.74697 | 19.05277 | 28.32723 | 36.68306 | 2.98886 | 45.35114 | 33.49244 | -0.20176 | 49.67176 | 44.49849 | 10.80429 | 31.40571 |
| 3/20/2025 | 7:00:00 AM | 33.69755 | 52.76485 | 19.0673 | 28.3127 | 36.67232 | 2.97477 | 45.36523 | 33.50335 | -0.1942 | 49.6642 | 44.51992 | 10.82237 | 31.38763 |
| 3/20/2025 | 8:00:00 AM | 33.70424 | 52.79345 | 19.08921 | 28.29079 | 36.67232 | 2.96808 | 45.37192 | 33.51788 | -0.18636 | 49.65636 | 44.56992 | 10.86568 | 31.34432 |
| 3/20/2025 | 9:00:00 AM | 33.7243 | 52.80776 | 19.08346 | 28.29654 | 36.67232 | 2.94802 | 45.39198 | 33.53242 | -0.19188 | 49.66188 | 44.59492 | 10.87062 | 31.33938 |
| 3/20/2025 | 10:00:00 AM | 33.72764 | 52.81849 | 19.09085 | 28.28915 | 36.67232 | 2.94468 | 45.39532 | 33.53969 | -0.18795 | 49.65795 | 44.62349 | 10.89585 | 31.31415 |
| 3/20/2025 | 11:00:00 AM | 33.73768 | 52.82922 | 19.09154 | 28.28846 | 36.67232 | 2.93464 | 45.40536 | 33.54696 | -0.19072 | 49.66072 | 44.64492 | 10.90724 | 31.30276 |
| 3/20/2025 | 12:00:00 PM | 33.74771 | 52.8471 | 19.09939 | 28.28061 | 36.67232 | 2.92461 | 45.41539 | 33.56149 | -0.18622 | 49.65622 | 44.66992 | 10.92221 | 31.28779 |
| 3/20/2025 | 1:00:00 PM | 33.75105 | 52.84352 | 19.09247 | 28.28753 | 36.66874 | 2.91769 | 45.42231 | 33.5724 | -0.17865 | 49.64865 | 44.66277 | 10.91172 | 31.29828 |
| 3/20/2025 | 2:00:00 PM | 33.74102 | 52.83279 | 19.09177 | 28.28823 | 36.6759 | 2.93488 | 45.40512 | 33.56149 | -0.17953 | 49.64953 | 44.63063 | 10.88961 | 31.32039 |
| 3/20/2025 | 3:00:00 PM | 33.74102 | 52.81849 | 19.07747 | 28.30253 | 36.67948 | 2.93846 | 45.40154 | 33.54696 | -0.19406 | 49.66406 | 44.58778 | 10.84676 | 31.36324 |
| 3/20/2025 | 4:00:00 PM | 33.73433 | 52.78273 | 19.0484 | 28.3316 | 36.67948 | 2.94515 | 45.39485 | 33.53242 | -0.20191 | 49.67191 | 44.53421 | 10.79988 | 31.41012 |
| 3/20/2025 | 5:00:00 PM | 33.7243 | 52.76127 | 19.03697 | 28.34303 | 36.6759 | 2.9516 | 45.3884 | 33.51788 | -0.20642 | 49.67642 | 44.49849 | 10.77419 | 31.43581 |
| 3/20/2025 | 6:00:00 PM | 33.70758 | 52.73981 | 19.03223 | 28.34777 | 36.6759 | 2.96832 | 45.37168 | 33.49971 | -0.20787 | 49.67787 | 44.43778 | 10.7302 | 31.4798 |
| 3/20/2025 | 7:00:00 PM | 33.70089 | 52.72551 | 19.02462 | 28.35538 | 36.67232 | 2.97143 | 45.36857 | 33.48881 | -0.21208 | 49.68208 | 44.40921 | 10.70832 | 31.50168 |
| 3/20/2025 | 8:00:00 PM | 33.68417 | 52.70405 | 19.01988 | 28.36012 | 36.66874 | 2.98457 | 45.35543 | 33.46701 | -0.21716 | 49.68716 | 44.36279 | 10.67862 | 31.53138 |
| 3/20/2025 | 9:00:00 PM | 33.68752 | 52.69332 | 19.0058 | 28.3742 | 36.66516 | 2.97764 | 45.36236 | 33.4561 | -0.23142 | 49.70142 | 44.34493 | 10.65741 | 31.55259 |
| 3/20/2025 | 10:00:00 PM | 33.67748 | 52.68617 | 19.00869 | 28.37131 | 36.66158 | 2.9841 | 45.3559 | 33.4452 | -0.23228 | 49.70228 | 44.3235 | 10.64602 | 31.56398 |
| 3/20/2025 | 11:00:00 PM | 33.67414 | 52.67902 | 19.00488 | 28.37512 | 36.65084 | 2.9767 | 45.3633 | 33.43793 | -0.23621 | 49.70621 | 44.30922 | 10.63508 | 31.57492 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/21/2025 | 12:00:00 AM | 33.6708 | 52.67902 | 19.00822 | 28.37178 | 36.658 | 2.9872 | 45.3528 | 33.4234 | -0.2474 | 49.7174 | 44.26636 | 10.59556 | 31.61444 |
| 3/21/2025 | 1:00:00 AM | 33.65742 | 52.64326 | 18.98584 | 28.39416 | 36.65084 | 2.99342 | 45.34658 | 33.40159 | -0.25583 | 49.72583 | 44.20565 | 10.54823 | 31.66177 |
| 3/21/2025 | 2:00:00 AM | 33.66076 | 52.65399 | 18.99323 | 28.38677 | 36.63295 | 2.97219 | 45.36781 | 33.39796 | -0.2628 | 49.7328 | 44.21636 | 10.5556 | 31.6544 |
| 3/21/2025 | 3:00:00 AM | 33.66745 | 52.6826 | 19.01515 | 28.36485 | 36.63295 | 2.9655 | 45.3745 | 33.40159 | -0.26586 | 49.73586 | 44.27707 | 10.60962 | 31.60038 |
| 3/21/2025 | 4:00:00 AM | 33.6942 | 52.71836 | 19.02416 | 28.35584 | 36.62937 | 2.93517 | 45.40483 | 33.41249 | -0.28171 | 49.75171 | 44.31993 | 10.62573 | 31.58427 |
| 3/21/2025 | 5:00:00 AM | 33.70089 | 52.73624 | 19.03535 | 28.34465 | 36.61863 | 2.91774 | 45.42226 | 33.41613 | -0.28476 | 49.75476 | 44.33421 | 10.63332 | 31.57668 |
| 3/21/2025 | 6:00:00 AM | 33.6942 | 52.73981 | 19.04561 | 28.33439 | 36.60789 | 2.91369 | 45.42631 | 33.41613 | -0.27807 | 49.74807 | 44.33779 | 10.64359 | 31.56641 |
| 3/21/2025 | 7:00:00 AM | 33.69755 | 52.74339 | 19.04584 | 28.33416 | 36.61147 | 2.91392 | 45.42608 | 33.4234 | -0.27415 | 49.74415 | 44.3485 | 10.65095 | 31.55905 |
| 3/21/2025 | 8:00:00 AM | 33.70424 | 52.74697 | 19.04273 | 28.33727 | 36.60073 | 2.89649 | 45.44351 | 33.42703 | -0.27721 | 49.74721 | 44.35207 | 10.64783 | 31.56217 |
| 3/21/2025 | 9:00:00 AM | 33.69755 | 52.74339 | 19.04584 | 28.33416 | 36.60431 | 2.90676 | 45.43324 | 33.42703 | -0.27052 | 49.74052 | 44.33779 | 10.64024 | 31.56976 |
| 3/21/2025 | 10:00:00 AM | 33.70758 | 52.75054 | 19.04296 | 28.33704 | 36.59357 | 2.88599 | 45.45401 | 33.42703 | -0.28055 | 49.75055 | 44.3485 | 10.64092 | 31.56908 |
| 3/21/2025 | 11:00:00 AM | 33.71427 | 52.75412 | 19.03985 | 28.34015 | 36.59715 | 2.88288 | 45.45712 | 33.42703 | -0.28724 | 49.75724 | 44.34136 | 10.62709 | 31.58291 |
| 3/21/2025 | 12:00:00 PM | 33.71761 | 52.75054 | 19.03293 | 28.34707 | 36.60073 | 2.88312 | 45.45688 | 33.42703 | -0.29058 | 49.76058 | 44.34493 | 10.62732 | 31.58268 |
| 3/21/2025 | 1:00:00 PM | 33.71761 | 52.75054 | 19.03293 | 28.34707 | 36.59715 | 2.87954 | 45.46046 | 33.41976 | -0.29785 | 49.76785 | 44.33064 | 10.61303 | 31.59697 |
| 3/21/2025 | 2:00:00 PM | 33.70758 | 52.70405 | 18.99647 | 28.38353 | 36.58999 | 2.88241 | 45.45759 | 33.41613 | -0.29145 | 49.76145 | 44.29493 | 10.58735 | 31.62265 |
| 3/21/2025 | 3:00:00 PM | 33.70089 | 52.66829 | 18.9674 | 28.4126 | 36.58999 | 2.8891 | 45.4509 | 33.40159 | -0.2993 | 49.7693 | 44.22708 | 10.52619 | 31.68381 |
| 3/21/2025 | 4:00:00 PM | 33.69086 | 52.64684 | 18.95598 | 28.42402 | 36.58999 | 2.89913 | 45.44087 | 33.37979 | -0.31107 | 49.78107 | 44.16993 | 10.47907 | 31.73093 |
| 3/21/2025 | 5:00:00 PM | 33.67748 | 52.61465 | 18.93717 | 28.44283 | 36.58641 | 2.90893 | 45.43107 | 33.36161 | -0.31587 | 49.78587 | 44.11994 | 10.44246 | 31.76754 |
| 3/21/2025 | 6:00:00 PM | 33.66411 | 52.58604 | 18.92193 | 28.45807 | 36.57567 | 2.91156 | 45.42844 | 33.32891 | -0.3352 | 49.8052 | 44.06994 | 10.40583 | 31.80417 |
| 3/21/2025 | 7:00:00 PM | 33.65408 | 52.59319 | 18.93911 | 28.44089 | 36.56494 | 2.91086 | 45.42914 | 33.32164 | -0.33244 | 49.80244 | 44.04851 | 10.39443 | 31.81557 |
| 3/21/2025 | 8:00:00 PM | 33.66411 | 52.62538 | 18.96127 | 28.41873 | 36.56852 | 2.90441 | 45.43559 | 33.32527 | -0.33884 | 49.80884 | 44.10208 | 10.43797 | 31.77203 |
| 3/21/2025 | 9:00:00 PM | 33.67748 | 52.67187 | 18.99439 | 28.38561 | 36.55062 | 2.87314 | 45.46686 | 33.33254 | -0.34494 | 49.81494 | 44.17351 | 10.49603 | 31.71397 |
| 3/21/2025 | 10:00:00 PM | 33.69086 | 52.70763 | 19.01677 | 28.36323 | 36.5542 | 2.86334 | 45.47666 | 33.35435 | -0.33651 | 49.80651 | 44.23779 | 10.54693 | 31.66307 |
| 3/21/2025 | 11:00:00 PM | 33.68752 | 52.72909 | 19.04157 | 28.33843 | 36.54704 | 2.85952 | 45.48048 | 33.36888 | -0.31864 | 49.78864 | 44.28779 | 10.60027 | 31.60973 |
| 3/22/2025 | 12:00:00 AM | 33.6942 | 52.75769 | 19.06349 | 28.31651 | 36.54704 | 2.85284 | 45.48716 | 33.38705 | -0.30715 | 49.77715 | 44.32707 | 10.63287 | 31.57713 |
| 3/22/2025 | 1:00:00 AM | 33.68083 | 52.73981 | 19.05898 | 28.32102 | 36.54704 | 2.86621 | 45.47379 | 33.40886 | -0.27197 | 49.74197 | 44.36636 | 10.68553 | 31.52447 |
| 3/22/2025 | 2:00:00 AM | 33.69086 | 52.75769 | 19.06683 | 28.31317 | 36.54346 | 2.8526 | 45.4874 | 33.43066 | -0.2602 | 49.7302 | 44.4235 | 10.73264 | 31.47736 |
| 3/22/2025 | 3:00:00 AM | 33.70089 | 52.77557 | 19.07468 | 28.30532 | 36.54704 | 2.84615 | 45.49385 | 33.4452 | -0.25569 | 49.72569 | 44.46278 | 10.76189 | 31.44811 |
| 3/22/2025 | 4:00:00 AM | 33.70424 | 52.78988 | 19.08564 | 28.29436 | 36.55062 | 2.84638 | 45.49362 | 33.4561 | -0.24814 | 49.71814 | 44.49849 | 10.79425 | 31.41575 |
| 3/22/2025 | 5:00:00 AM | 33.72764 | 52.83279 | 19.10515 | 28.27485 | 36.5542 | 2.82656 | 45.51344 | 33.48881 | -0.23883 | 49.70883 | 44.56278 | 10.83514 | 31.37486 |
| 3/22/2025 | 6:00:00 AM | 33.73433 | 52.85782 | 19.12349 | 28.25651 | 36.54704 | 2.81271 | 45.52729 | 33.49971 | -0.23462 | 49.70462 | 44.59492 | 10.86059 | 31.34941 |
| 3/22/2025 | 7:00:00 AM | 33.74436 | 52.89358 | 19.14922 | 28.23078 | 36.56494 | 2.82058 | 45.51942 | 33.53242 | -0.21194 | 49.68194 | 44.67349 | 10.92913 | 31.28087 |
| 3/22/2025 | 8:00:00 AM | 33.75774 | 52.92219 | 19.16445 | 28.21555 | 36.57209 | 2.81435 | 45.52565 | 33.55059 | -0.20715 | 49.67715 | 44.72706 | 10.96932 | 31.24068 |
| 3/22/2025 | 9:00:00 AM | 33.77446 | 52.95795 | 19.18349 | 28.19651 | 36.58641 | 2.81195 | 45.52805 | 33.5833 | -0.19116 | 49.66116 | 44.78777 | 11.01331 | 31.19669 |
| 3/22/2025 | 10:00:00 AM | 33.78784 | 52.97583 | 19.18799 | 28.19201 | 36.58999 | 2.80215 | 45.53785 | 33.59783 | -0.19001 | 49.66001 | 44.82348 | 11.03564 | 31.17436 |
| 3/22/2025 | 11:00:00 AM | 33.80121 | 52.99014 | 19.18893 | 28.19107 | 36.60073 | 2.79952 | 45.54048 | 33.61237 | -0.18884 | 49.65884 | 44.84491 | 11.0437 | 31.1663 |
| 3/22/2025 | 12:00:00 PM | 33.82128 | 52.99371 | 19.17243 | 28.20757 | 36.60789 | 2.78661 | 45.55339 | 33.63054 | -0.19074 | 49.66074 | 44.84491 | 11.02363 | 31.18637 |
| 3/22/2025 | 1:00:00 PM | 33.82462 | 52.98299 | 19.15837 | 28.22163 | 36.61863 | 2.79401 | 45.54599 | 33.63418 | -0.19044 | 49.66044 | 44.82348 | 10.99886 | 31.21114 |
| 3/22/2025 | 2:00:00 PM | 33.84134 | 52.97941 | 19.13807 | 28.24193 | 36.62579 | 2.78445 | 45.55555 | 33.63418 | -0.20716 | 49.67716 | 44.80206 | 10.96072 | 31.24928 |
| 3/22/2025 | 3:00:00 PM | 33.83465 | 52.96511 | 19.13046 | 28.24954 | 36.64369 | 2.80904 | 45.53096 | 33.62327 | -0.21138 | 49.68138 | 44.77706 | 10.94241 | 31.26759 |
| 3/22/2025 | 4:00:00 PM | 33.838 | 52.96153 | 19.12353 | 28.25647 | 36.65084 | 2.81284 | 45.52716 | 33.63054 | -0.20746 | 49.67746 | 44.7842 | 10.9462 | 31.2638 |
| 3/22/2025 | 5:00:00 PM | 33.83465 | 52.95438 | 19.11973 | 28.26027 | 36.65442 | 2.81977 | 45.52023 | 33.63054 | -0.20411 | 49.67411 | 44.76634 | 10.93169 | 31.27831 |
| 3/22/2025 | 6:00:00 PM | 33.80121 | 52.89001 | 19.0888 | 28.2912 | 36.66874 | 2.86753 | 45.47247 | 33.62691 | -0.1743 | 49.6443 | 44.76991 | 10.9687 | 31.2413 |
| 3/22/2025 | 7:00:00 PM | 33.79452 | 52.87928 | 19.08476 | 28.29524 | 36.66874 | 2.87422 | 45.46578 | 33.62691 | -0.16761 | 49.63761 | 44.7592 | 10.96468 | 31.24532 |
| 3/22/2025 | 8:00:00 PM | 33.78449 | 52.88286 | 19.09837 | 28.28163 | 36.67232 | 2.88783 | 45.45217 | 33.63054 | -0.15395 | 49.62395 | 44.76634 | 10.98185 | 31.22815 |
| 3/22/2025 | 9:00:00 PM | 33.78449 | 52.88286 | 19.09837 | 28.28163 | 36.6759 | 2.89141 | 45.44859 | 33.63418 | -0.15031 | 49.62031 | 44.79848 | 11.01399 | 31.19601 |
| 3/22/2025 | 10:00:00 PM | 33.79787 | 52.91862 | 19.12075 | 28.25925 | 36.69022 | 2.89235 | 45.44765 | 33.64508 | -0.15279 | 49.62279 | 44.8342 | 11.03633 | 31.17367 |
| 3/22/2025 | 11:00:00 PM | 33.80121 | 52.92935 | 19.12814 | 28.25186 | 36.69738 | 2.89617 | 45.44383 | 33.65598 | -0.14523 | 49.61523 | 44.84848 | 11.04727 | 31.16273 |
| 3/23/2025 | 12:00:00 AM | 33.79452 | 52.92577 | 19.13125 | 28.24875 | 36.70454 | 2.91002 | 45.42998 | 33.65598 | -0.13854 | 49.60854 | 44.8342 | 11.03968 | 31.17032 |
| 3/23/2025 | 1:00:00 AM | 33.79452 | 52.92935 | 19.13483 | 28.24517 | 36.70812 | 2.9136 | 45.4264 | 33.65598 | -0.13854 | 49.60854 | 44.82706 | 11.03254 | 31.17746 |
| 3/23/2025 | 2:00:00 AM | 33.78115 | 52.91504 | 19.13389 | 28.24611 | 36.70812 | 2.92697 | 45.41303 | 33.65598 | -0.12517 | 49.59517 | 44.79491 | 11.01376 | 31.19624 |
| 3/23/2025 | 3:00:00 AM | 33.77112 | 52.89358 | 19.12246 | 28.25754 | 36.7117 | 2.94058 | 45.39942 | 33.63781 | -0.13331 | 49.60331 | 44.75563 | 10.98451 | 31.22549 |
| 3/23/2025 | 4:00:00 AM | 33.77112 | 52.89358 | 19.12246 | 28.25754 | 36.71528 | 2.94416 | 45.39584 | 33.63781 | -0.13331 | 49.60331 | 44.74491 | 10.97379 | 31.23621 |
| 3/23/2025 | 5:00:00 AM | 33.7544 | 52.88643 | 19.13203 | 28.24797 | 36.72244 | 2.96804 | 45.37196 | 33.61964 | -0.13476 | 49.60476 | 44.70563 | 10.95123 | 31.25877 |
| 3/23/2025 | 6:00:00 AM | 33.74771 | 52.85425 | 19.10654 | 28.27346 | 36.72244 | 2.97473 | 45.36527 | 33.60147 | -0.14624 | 49.61624 | 44.65563 | 10.90792 | 31.30208 |
| 3/23/2025 | 7:00:00 AM | 33.73433 | 52.82922 | 19.09489 | 28.28511 | 36.72244 | 2.98811 | 45.35189 | 33.5833 | -0.15103 | 49.62103 | 44.59135 | 10.85702 | 31.35298 |
| 3/23/2025 | 8:00:00 AM | 33.73099 | 52.82564 | 19.09465 | 28.28535 | 36.72601 | 2.99502 | 45.34498 | 33.56149 | -0.1695 | 49.6395 | 44.56278 | 10.83179 | 31.37821 |
| 3/23/2025 | 9:00:00 AM | 33.73433 | 52.81491 | 19.08058 | 28.29942 | 36.72601 | 2.99168 | 45.34832 | 33.55786 | -0.17647 | 49.64647 | 44.54135 | 10.80702 | 31.40298 |
| 3/23/2025 | 10:00:00 AM | 33.73433 | 52.82206 | 19.08773 | 28.29227 | 36.72959 | 2.99526 | 45.34474 | 33.54332 | -0.19101 | 49.66101 | 44.53064 | 10.79631 | 31.41369 |
| 3/23/2025 | 11:00:00 AM | 33.74102 | 52.81849 | 19.07747 | 28.30253 | 36.72244 | 2.98142 | 45.35858 | 33.53969 | -0.20133 | 49.67133 | 44.53064 | 10.78962 | 31.42038 |
| 3/23/2025 | 12:00:00 PM | 33.74771 | 52.81849 | 19.07078 | 28.30922 | 36.72601 | 2.9783 | 45.3617 | 33.53969 | -0.20802 | 49.67802 | 44.50564 | 10.75793 | 31.45207 |
| 3/23/2025 | 1:00:00 PM | 33.7544 | 52.81849 | 19.06409 | 28.31591 | 36.71886 | 2.96446 | 45.37554 | 33.53242 | -0.22198 | 49.69198 | 44.51635 | 10.76195 | 31.44805 |
| 3/23/2025 | 2:00:00 PM | 33.7544 | 52.81491 | 19.06051 | 28.31949 | 36.7117 | 2.9573 | 45.3827 | 33.52515 | -0.22925 | 49.69925 | 44.48778 | 10.73338 | 31.47662 |
| 3/23/2025 | 3:00:00 PM | 33.76108 | 52.81133 | 19.05025 | 28.32975 | 36.70812 | 2.94704 | 45.39296 | 33.51788 | -0.2432 | 49.7132 | 44.46278 | 10.7017 | 31.5083 |
| 3/23/2025 | 4:00:00 PM | 33.76108 | 52.81133 | 19.05025 | 28.32975 | 36.70454 | 2.94346 | 45.39654 | 33.50698 | -0.2541 | 49.7241 | 44.46635 | 10.70527 | 31.50473 |
| 3/23/2025 | 5:00:00 PM | 33.76777 | 52.81133 | 19.04356 | 28.33644 | 36.70812 | 2.94035 | 45.39965 | 33.49608 | -0.27169 | 49.74169 | 44.45564 | 10.68787 | 31.52213 |
| 3/23/2025 | 6:00:00 PM | 33.7778 | 52.81849 | 19.04069 | 28.33931 | 36.69022 | 2.91242 | 45.42758 | 33.49244 | -0.28536 | 49.75536 | 44.45921 | 10.68141 | 31.52859 |
| 3/23/2025 | 7:00:00 PM | 33.79452 | 52.84352 | 19.049 | 28.331 | 36.69022 | 2.8957 | 45.4443 | 33.50335 | -0.29117 | 49.76117 | 44.49135 | 10.69683 | 31.51317 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/23/2025 | 8:00:00 PM | 33.8079 | 52.89001 | 19.08211 | 28.29789 | 36.6938 | 2.8859 | 45.4541 | 33.51788 | -0.29002 | 49.76002 | 44.55564 | 10.74774 | 31.46226 |
| 3/23/2025 | 9:00:00 PM | 33.82462 | 52.92577 | 19.10115 | 28.27885 | 36.69022 | 2.8656 | 45.4744 | 33.53969 | -0.28493 | 49.75493 | 44.62349 | 10.79887 | 31.41113 |
| 3/23/2025 | 10:00:00 PM | 33.838 | 52.96511 | 19.12711 | 28.25289 | 36.6938 | 2.8558 | 45.4842 | 33.56149 | -0.27651 | 49.74651 | 44.68063 | 10.84263 | 31.36737 |
| 3/23/2025 | 11:00:00 PM | 33.86475 | 53.00444 | 19.13969 | 28.24031 | 36.69738 | 2.83263 | 45.50737 | 33.59057 | -0.27418 | 49.74418 | 44.75206 | 10.88731 | 31.32269 |
| 3/24/2025 | 12:00:00 AM | 33.85806 | 52.99371 | 19.13565 | 28.24435 | 36.70096 | 2.8429 | 45.4971 | 33.5942 | -0.26386 | 49.73386 | 44.7092 | 10.85114 | 31.35886 |
| 3/24/2025 | 1:00:00 AM | 33.88481 | 53.03663 | 19.15182 | 28.22818 | 36.70454 | 2.81973 | 45.52027 | 33.61601 | -0.2688 | 49.7388 | 44.8092 | 10.92439 | 31.28561 |
| 3/24/2025 | 2:00:00 AM | 33.88816 | 53.04736 | 19.1592 | 28.2208 | 36.70812 | 2.81996 | 45.52004 | 33.63054 | -0.25762 | 49.72762 | 44.82348 | 10.93532 | 31.27468 |
| 3/24/2025 | 3:00:00 AM | 33.8915 | 53.06166 | 19.17016 | 28.20984 | 36.71528 | 2.82378 | 45.51622 | 33.63418 | -0.25732 | 49.72732 | 44.85205 | 10.96055 | 31.24945 |
| 3/24/2025 | 4:00:00 AM | 33.89484 | 53.06881 | 19.17397 | 28.20603 | 36.71886 | 2.82402 | 45.51598 | 33.64871 | -0.24613 | 49.71613 | 44.85563 | 10.96079 | 31.24921 |
| 3/24/2025 | 5:00:00 AM | 33.88147 | 53.03305 | 19.15158 | 28.22842 | 36.72601 | 2.84454 | 45.49546 | 33.66325 | -0.21822 | 49.68822 | 44.88777 | 11.0063 | 31.2037 |
| 3/24/2025 | 6:00:00 AM | 33.88147 | 53.04736 | 19.16589 | 28.21411 | 36.72601 | 2.84454 | 45.49546 | 33.66688 | -0.21459 | 49.68459 | 44.90562 | 11.02415 | 31.18585 |
| 3/24/2025 | 7:00:00 AM | 33.88481 | 53.05093 | 19.16612 | 28.21388 | 36.73675 | 2.85194 | 45.48806 | 33.67779 | -0.20702 | 49.67702 | 44.89491 | 11.0101 | 31.1999 |
| 3/24/2025 | 8:00:00 AM | 33.88481 | 53.05093 | 19.16612 | 28.21388 | 36.74391 | 2.8591 | 45.4809 | 33.67779 | -0.20702 | 49.67702 | 44.89134 | 11.00653 | 31.20347 |
| 3/24/2025 | 9:00:00 AM | 33.88816 | 53.05093 | 19.16277 | 28.21723 | 36.74749 | 2.85933 | 45.48067 | 33.68505 | -0.20311 | 49.67311 | 44.89134 | 11.00318 | 31.20682 |
| 3/24/2025 | 10:00:00 AM | 33.8915 | 53.05451 | 19.16301 | 28.21699 | 36.75823 | 2.86673 | 45.47327 | 33.68869 | -0.20281 | 49.67281 | 44.88777 | 10.99627 | 31.21373 |
| 3/24/2025 | 11:00:00 AM | 33.90153 | 53.07239 | 19.17086 | 28.20914 | 36.76181 | 2.86028 | 45.47972 | 33.68869 | -0.21284 | 49.68284 | 44.9092 | 11.00767 | 31.20233 |
| 3/24/2025 | 12:00:00 PM | 33.90822 | 53.08312 | 19.1749 | 28.2051 | 36.77255 | 2.86433 | 45.47567 | 33.69596 | -0.21226 | 49.68226 | 44.91991 | 11.01169 | 31.19831 |
| 3/24/2025 | 1:00:00 PM | 33.91491 | 53.09742 | 19.18251 | 28.19749 | 36.77613 | 2.86122 | 45.47878 | 33.69959 | -0.21532 | 49.68532 | 44.93062 | 11.01571 | 31.19429 |
| 3/24/2025 | 2:00:00 PM | 33.92828 | 53.09742 | 19.16914 | 28.21086 | 36.78329 | 2.85501 | 45.48499 | 33.71049 | -0.21779 | 49.68779 | 44.94491 | 11.01663 | 31.19337 |
| 3/24/2025 | 3:00:00 PM | 33.93163 | 53.101 | 19.16937 | 28.21063 | 36.79045 | 2.85882 | 45.48118 | 33.70686 | -0.22477 | 49.69477 | 44.93062 | 10.99899 | 31.21101 |
| 3/24/2025 | 4:00:00 PM | 33.93497 | 53.09742 | 19.16245 | 28.21755 | 36.79403 | 2.85906 | 45.48094 | 33.71049 | -0.22448 | 49.69448 | 44.92705 | 10.99208 | 31.21792 |
| 3/24/2025 | 5:00:00 PM | 33.93163 | 53.10457 | 19.17294 | 28.20706 | 36.80476 | 2.87313 | 45.46687 | 33.70686 | -0.22477 | 49.69477 | 44.91991 | 10.98828 | 31.22172 |
| 3/24/2025 | 6:00:00 PM | 33.92828 | 53.09027 | 19.16199 | 28.21801 | 36.80476 | 2.87648 | 45.46352 | 33.70686 | -0.22142 | 49.69142 | 44.89491 | 10.96663 | 31.24337 |
| 3/24/2025 | 7:00:00 PM | 33.92494 | 53.08312 | 19.15818 | 28.22182 | 36.8155 | 2.89056 | 45.44944 | 33.69959 | -0.22535 | 49.69535 | 44.88777 | 10.96283 | 31.24717 |
| 3/24/2025 | 8:00:00 PM | 33.92828 | 53.09027 | 19.16199 | 28.21801 | 36.81908 | 2.8908 | 45.4492 | 33.70323 | -0.22505 | 49.69505 | 44.88777 | 10.95949 | 31.25051 |
| 3/24/2025 | 9:00:00 PM | 33.93832 | 53.10457 | 19.16625 | 28.21375 | 36.81192 | 2.8736 | 45.4664 | 33.71049 | -0.22783 | 49.69783 | 44.92348 | 10.98516 | 31.22484 |
| 3/24/2025 | 10:00:00 PM | 33.93832 | 53.11172 | 19.1734 | 28.2066 | 36.82624 | 2.88792 | 45.45208 | 33.71413 | -0.22419 | 49.69419 | 44.93062 | 10.9923 | 31.2177 |
| 3/24/2025 | 11:00:00 PM | 33.93497 | 53.10457 | 19.1696 | 28.2104 | 36.82624 | 2.89127 | 45.44873 | 33.71776 | -0.21721 | 49.68721 | 44.91634 | 10.98137 | 31.22863 |
| 3/25/2025 | 12:00:00 AM | 33.94166 | 53.11172 | 19.17006 | 28.20994 | 36.82982 | 2.88816 | 45.45184 | 33.7214 | -0.22026 | 49.69026 | 44.93062 | 10.98896 | 31.22104 |
| 3/25/2025 | 1:00:00 AM | 33.93497 | 53.1153 | 19.18033 | 28.19967 | 36.8334 | 2.89843 | 45.44157 | 33.72503 | -0.20994 | 49.67994 | 44.92348 | 10.98851 | 31.22149 |
| 3/25/2025 | 2:00:00 AM | 33.93832 | 53.11888 | 19.18056 | 28.19944 | 36.83698 | 2.89866 | 45.44134 | 33.72503 | -0.21329 | 49.68329 | 44.93062 | 10.9923 | 31.2177 |
| 3/25/2025 | 3:00:00 AM | 33.93497 | 53.12245 | 19.18748 | 28.19252 | 36.84056 | 2.90559 | 45.43441 | 33.7214 | -0.21357 | 49.68357 | 44.91277 | 10.9778 | 31.2322 |
| 3/25/2025 | 4:00:00 AM | 33.92828 | 53.101 | 19.17272 | 28.20728 | 36.84414 | 2.91586 | 45.42414 | 33.71413 | -0.21415 | 49.68415 | 44.8842 | 10.95592 | 31.25408 |
| 3/25/2025 | 5:00:00 AM | 33.91491 | 53.09384 | 19.17893 | 28.20107 | 36.84772 | 2.93281 | 45.40719 | 33.69959 | -0.21532 | 49.68532 | 44.84848 | 10.93357 | 31.27643 |
| 3/25/2025 | 6:00:00 AM | 33.91491 | 53.06881 | 19.1539 | 28.2261 | 36.8513 | 2.93639 | 45.40361 | 33.68142 | -0.23349 | 49.70349 | 44.81277 | 10.89786 | 31.31214 |
| 3/25/2025 | 7:00:00 AM | 33.89819 | 53.04736 | 19.14917 | 28.23083 | 36.84414 | 2.94595 | 45.39405 | 33.67779 | -0.2204 | 49.6904 | 44.79848 | 10.90029 | 31.30971 |
| 3/25/2025 | 8:00:00 AM | 33.89484 | 53.02947 | 19.13463 | 28.24537 | 36.84772 | 2.95288 | 45.38712 | 33.66688 | -0.22796 | 49.69796 | 44.77349 | 10.87865 | 31.33135 |
| 3/25/2025 | 9:00:00 AM | 33.88816 | 53.02947 | 19.14131 | 28.23869 | 36.8513 | 2.96314 | 45.37686 | 33.65962 | -0.22854 | 49.69854 | 44.75206 | 10.8639 | 31.3461 |
| 3/25/2025 | 10:00:00 AM | 33.89484 | 53.01875 | 19.12391 | 28.25609 | 36.85488 | 2.96004 | 45.37996 | 33.65235 | -0.24249 | 49.71249 | 44.74134 | 10.8465 | 31.3635 |
| 3/25/2025 | 11:00:00 AM | 33.8915 | 53.00802 | 19.11652 | 28.26348 | 36.84414 | 2.95264 | 45.38736 | 33.64508 | -0.24642 | 49.71642 | 44.71992 | 10.82842 | 31.38158 |
| 3/25/2025 | 12:00:00 PM | 33.90822 | 52.99371 | 19.08549 | 28.29451 | 36.84414 | 2.93592 | 45.40408 | 33.63054 | -0.27768 | 49.74768 | 44.6842 | 10.77598 | 31.43402 |
| 3/25/2025 | 1:00:00 PM | 33.91825 | 52.97226 | 19.05401 | 28.32599 | 36.8513 | 2.93305 | 45.40695 | 33.61964 | -0.29861 | 49.76861 | 44.63778 | 10.71953 | 31.49047 |
| 3/25/2025 | 2:00:00 PM | 33.945 | 52.96153 | 19.01653 | 28.36347 | 36.84056 | 2.89556 | 45.44444 | 33.60147 | -0.34353 | 49.81353 | 44.60563 | 10.66063 | 31.54937 |
| 3/25/2025 | 3:00:00 PM | 33.95838 | 52.92935 | 18.97097 | 28.40903 | 36.84414 | 2.88576 | 45.45424 | 33.5942 | -0.36418 | 49.83418 | 44.54849 | 10.59011 | 31.61989 |
| 3/25/2025 | 4:00:00 PM | 33.94835 | 52.91146 | 18.96311 | 28.41689 | 36.83698 | 2.88863 | 45.45137 | 33.57603 | -0.37232 | 49.84232 | 44.53064 | 10.58229 | 31.62771 |
| 3/25/2025 | 5:00:00 PM | 33.93497 | 52.90789 | 18.97292 | 28.40708 | 36.8334 | 2.89843 | 45.44157 | 33.56149 | -0.37348 | 49.84348 | 44.50921 | 10.57424 | 31.63576 |
| 3/25/2025 | 6:00:00 PM | 33.92494 | 52.89001 | 18.96507 | 28.41493 | 36.82624 | 2.9013 | 45.4387 | 33.55059 | -0.37435 | 49.84435 | 44.49135 | 10.56641 | 31.64359 |
| 3/25/2025 | 7:00:00 PM | 33.91156 | 52.89001 | 18.97845 | 28.40155 | 36.8155 | 2.90394 | 45.43606 | 33.53605 | -0.37551 | 49.84551 | 44.45921 | 10.54765 | 31.66235 |
| 3/25/2025 | 8:00:00 PM | 33.89819 | 52.89001 | 18.99182 | 28.38818 | 36.8155 | 2.91731 | 45.42269 | 33.53605 | -0.36214 | 49.83214 | 44.45921 | 10.56102 | 31.64898 |
| 3/25/2025 | 9:00:00 PM | 33.88481 | 52.88643 | 19.00162 | 28.37838 | 36.80476 | 2.91995 | 45.42005 | 33.52879 | -0.35602 | 49.82602 | 44.45921 | 10.5744 | 31.6356 |
| 3/25/2025 | 10:00:00 PM | 33.87144 | 52.89001 | 19.01857 | 28.36143 | 36.80476 | 2.93332 | 45.40668 | 33.51425 | -0.35719 | 49.82719 | 44.45207 | 10.58063 | 31.62937 |
| 3/25/2025 | 11:00:00 PM | 33.81793 | 52.80061 | 18.98268 | 28.39732 | 36.79761 | 2.97968 | 45.36032 | 33.51061 | -0.30732 | 49.77732 | 44.41635 | 10.59842 | 31.61158 |
| 3/26/2025 | 12:00:00 AM | 33.80121 | 52.77915 | 18.97794 | 28.40206 | 36.79045 | 2.98924 | 45.35076 | 33.49971 | -0.3015 | 49.7715 | 44.39493 | 10.59372 | 31.61628 |
| 3/26/2025 | 1:00:00 AM | 33.78784 | 52.76127 | 18.97343 | 28.40657 | 36.78329 | 2.99545 | 45.34455 | 33.48881 | -0.29903 | 49.76903 | 44.34493 | 10.55709 | 31.65291 |
| 3/26/2025 | 2:00:00 AM | 33.7778 | 52.74339 | 18.96559 | 28.41441 | 36.77255 | 2.99475 | 45.34525 | 33.47064 | -0.30716 | 49.77716 | 44.30922 | 10.53142 | 31.67858 |
| 3/26/2025 | 3:00:00 AM | 33.76108 | 52.73266 | 18.97158 | 28.40842 | 36.77613 | 3.01505 | 45.32495 | 33.45974 | -0.30134 | 49.77134 | 44.28779 | 10.52671 | 31.68329 |
| 3/26/2025 | 4:00:00 AM | 33.74102 | 52.70763 | 18.96661 | 28.41339 | 36.76539 | 3.02437 | 45.31563 | 33.43793 | -0.30309 | 49.77309 | 44.24493 | 10.50391 | 31.70609 |
| 3/26/2025 | 5:00:00 AM | 33.72764 | 52.6969 | 18.96926 | 28.41074 | 36.74749 | 3.01985 | 45.32015 | 33.41976 | -0.30788 | 49.77788 | 44.22708 | 10.49944 | 31.71056 |
| 3/26/2025 | 6:00:00 AM | 33.7243 | 52.6826 | 18.9583 | 28.4217 | 36.75107 | 3.02677 | 45.31323 | 33.39796 | -0.32634 | 49.79634 | 44.21279 | 10.48849 | 31.72151 |
| 3/26/2025 | 7:00:00 AM | 33.70758 | 52.65399 | 18.94641 | 28.43359 | 36.73317 | 3.02559 | 45.31441 | 33.37979 | -0.32779 | 49.79779 | 44.18779 | 10.48021 | 31.72979 |
| 3/26/2025 | 8:00:00 AM | 33.69086 | 52.6218 | 18.93094 | 28.44906 | 36.73675 | 3.04589 | 45.29411 | 33.36161 | -0.32925 | 49.79925 | 44.14851 | 10.45765 | 31.75235 |
| 3/26/2025 | 9:00:00 AM | 33.6106 | 52.6075 | 18.9969 | 28.3831 | 36.72601 | 3.11541 | 45.22459 | 33.34344 | -0.26716 | 49.73716 | 44.14851 | 10.53791 | 31.67209 |
| 3/26/2025 | 10:00:00 AM | 33.62398 | 52.63968 | 19.0157 | 28.3643 | 36.70812 | 3.08414 | 45.25586 | 33.34344 | -0.28054 | 49.75054 | 44.14851 | 10.52453 | 31.68547 |
| 3/26/2025 | 11:00:00 AM | 33.62398 | 52.62896 | 19.00498 | 28.37502 | 36.69738 | 3.0734 | 45.2666 | 33.33618 | -0.2878 | 49.7578 | 44.14494 | 10.52096 | 31.68904 |
| 3/26/2025 | 12:00:00 PM | 33.59054 | 52.60392 | 19.01338 | 28.36662 | 36.68664 | 3.0961 | 45.2439 | 33.31437 | -0.27617 | 49.74617 | 44.10922 | 10.51868 | 31.69132 |
| 3/26/2025 | 1:00:00 PM | 33.59723 | 52.58962 | 18.99239 | 28.38761 | 36.68306 | 3.08583 | 45.25417 | 33.30347 | -0.29376 | 49.76376 | 44.10208 | 10.50485 | 31.70515 |
| 3/26/2025 | 2:00:00 PM | 33.55041 | 52.56459 | 19.01418 | 28.36582 | 36.66158 | 3.11117 | 45.22883 | 33.28166 | -0.26875 | 49.73875 | 44.07708 | 10.52667 | 31.68333 |
| 3/26/2025 | 3:00:00 PM | 33.54707 | 52.57531 | 19.02824 | 28.35176 | 36.658 | 3.11093 | 45.22907 | 33.27803 | -0.26904 | 49.73904 | 44.06637 | 10.5193 | 31.6907 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/26/2025 | 4:00:00 PM | 33.48688 | 52.49307 | 19.00619 | 28.37381 | 36.64011 | 3.15323 | 45.18677 | 33.24532 | -0.24156 | 49.71156 | 44.01994 | 10.53306 | 31.67694 |
| 3/26/2025 | 5:00:00 PM | 33.43003 | 52.45373 | 19.0237 | 28.3563 | 36.62579 | 3.19576 | 45.14424 | 33.20898 | -0.22105 | 49.69105 | 43.99137 | 10.56134 | 31.64866 |
| 3/26/2025 | 6:00:00 PM | 33.37987 | 52.41082 | 19.03095 | 28.34905 | 36.61505 | 3.23518 | 45.10482 | 33.17627 | -0.2036 | 49.6736 | 43.96637 | 10.5865 | 31.6235 |
| 3/26/2025 | 7:00:00 PM | 33.30964 | 52.37148 | 19.06184 | 28.31816 | 36.59357 | 3.28393 | 45.05607 | 33.13993 | -0.16971 | 49.63971 | 43.94494 | 10.6353 | 31.5747 |
| 3/26/2025 | 8:00:00 PM | 33.3063 | 52.37505 | 19.06875 | 28.31125 | 36.58999 | 3.28369 | 45.05631 | 33.12176 | -0.18454 | 49.65454 | 43.93066 | 10.62436 | 31.58564 |
| 3/26/2025 | 9:00:00 PM | 33.3598 | 52.5181 | 19.1583 | 28.2217 | 36.56852 | 3.20872 | 45.13128 | 33.16174 | -0.19806 | 49.66806 | 44.11994 | 10.76014 | 31.44986 |
| 3/26/2025 | 10:00:00 PM | 33.35312 | 52.5181 | 19.16498 | 28.21502 | 36.55778 | 3.20466 | 45.13534 | 33.17991 | -0.17321 | 49.64321 | 44.11636 | 10.76324 | 31.44676 |
| 3/26/2025 | 11:00:00 PM | 33.36649 | 52.53598 | 19.16949 | 28.21051 | 36.55062 | 3.18413 | 45.15587 | 33.17627 | -0.19022 | 49.66022 | 44.14136 | 10.77487 | 31.43513 |
| 3/27/2025 | 12:00:00 AM | 33.37652 | 52.57531 | 19.19879 | 28.18121 | 36.53988 | 3.16336 | 45.17664 | 33.20535 | -0.17117 | 49.64117 | 44.1985 | 10.82198 | 31.38802 |
| 3/27/2025 | 1:00:00 AM | 33.38321 | 52.58962 | 19.20641 | 28.17359 | 36.53272 | 3.14951 | 45.19049 | 33.20535 | -0.17786 | 49.64786 | 44.2235 | 10.84029 | 31.36971 |
| 3/27/2025 | 2:00:00 AM | 33.39659 | 52.63253 | 19.23594 | 28.14406 | 36.5184 | 3.12181 | 45.21819 | 33.23078 | -0.16581 | 49.63581 | 44.30207 | 10.90548 | 31.30452 |
| 3/27/2025 | 3:00:00 AM | 33.39993 | 52.63968 | 19.23975 | 28.14025 | 36.51482 | 3.11489 | 45.22511 | 33.24169 | -0.15824 | 49.62824 | 44.30922 | 10.90929 | 31.30071 |
| 3/27/2025 | 4:00:00 AM | 33.39324 | 52.64326 | 19.25002 | 28.12998 | 36.51124 | 3.118 | 45.222 | 33.24532 | -0.14792 | 49.61792 | 44.31279 | 10.91955 | 31.29045 |
| 3/27/2025 | 5:00:00 AM | 33.38656 | 52.63611 | 19.24955 | 28.13045 | 36.50408 | 3.11752 | 45.22248 | 33.23805 | -0.14851 | 49.61851 | 44.29136 | 10.9048 | 31.3052 |
| 3/27/2025 | 6:00:00 AM | 33.38656 | 52.64326 | 19.2567 | 28.1233 | 36.50766 | 3.1211 | 45.2189 | 33.24169 | -0.14487 | 49.61487 | 44.31636 | 10.9298 | 31.2802 |
| 3/27/2025 | 7:00:00 AM | 33.38321 | 52.64326 | 19.26005 | 28.11995 | 36.49692 | 3.11371 | 45.22629 | 33.24169 | -0.14152 | 49.61152 | 44.30564 | 10.92243 | 31.28757 |
| 3/27/2025 | 8:00:00 AM | 33.37652 | 52.64326 | 19.26674 | 28.11326 | 36.49692 | 3.1204 | 45.2196 | 33.24532 | -0.1312 | 49.6012 | 44.29136 | 10.91484 | 31.29516 |
| 3/27/2025 | 9:00:00 AM | 33.36649 | 52.62538 | 19.25889 | 28.12111 | 36.5005 | 3.13401 | 45.20599 | 33.24532 | -0.12117 | 49.59117 | 44.26993 | 10.90344 | 31.30656 |
| 3/27/2025 | 10:00:00 AM | 33.36649 | 52.6075 | 19.24101 | 28.13899 | 36.49334 | 3.12685 | 45.21315 | 33.22352 | -0.14297 | 49.61297 | 44.23065 | 10.86416 | 31.34584 |
| 3/27/2025 | 11:00:00 AM | 33.36649 | 52.58962 | 19.22313 | 28.15687 | 36.48977 | 3.12328 | 45.21672 | 33.21625 | -0.15024 | 49.62024 | 44.20922 | 10.84273 | 31.36727 |
| 3/27/2025 | 12:00:00 PM | 33.36984 | 52.57174 | 19.2019 | 28.1781 | 36.48977 | 3.11993 | 45.22007 | 33.20535 | -0.16449 | 49.63449 | 44.15208 | 10.78224 | 31.42776 |
| 3/27/2025 | 1:00:00 PM | 33.36649 | 52.54671 | 19.18022 | 28.19978 | 36.48261 | 3.11612 | 45.22388 | 33.19081 | -0.17568 | 49.64568 | 44.11994 | 10.75345 | 31.45655 |
| 3/27/2025 | 2:00:00 PM | 33.30964 | 52.37505 | 19.06541 | 28.31459 | 36.48619 | 3.17655 | 45.16345 | 33.17627 | -0.13337 | 49.60337 | 44.07708 | 10.76744 | 31.44256 |
| 3/27/2025 | 3:00:00 PM | 33.30964 | 52.41082 | 19.10118 | 28.27882 | 36.47545 | 3.16581 | 45.17419 | 33.16537 | -0.14427 | 49.61427 | 44.09851 | 10.78887 | 31.42113 |
| 3/27/2025 | 4:00:00 PM | 33.31299 | 52.41797 | 19.10498 | 28.27502 | 36.46829 | 3.1553 | 45.1847 | 33.16174 | -0.15125 | 49.62125 | 44.09137 | 10.77838 | 31.43162 |
| 3/27/2025 | 5:00:00 PM | 33.29627 | 52.38578 | 19.08951 | 28.29049 | 36.46113 | 3.16486 | 45.17514 | 33.14356 | -0.15271 | 49.62271 | 44.02351 | 10.72724 | 31.48276 |
| 3/27/2025 | 6:00:00 PM | 33.27955 | 52.35717 | 19.07762 | 28.30238 | 36.45397 | 3.17442 | 45.16558 | 33.13266 | -0.14689 | 49.61689 | 43.96637 | 10.68682 | 31.52318 |
| 3/27/2025 | 7:00:00 PM | 33.26617 | 52.34287 | 19.0767 | 28.3033 | 36.44681 | 3.18064 | 45.15936 | 33.10722 | -0.15895 | 49.62895 | 43.93423 | 10.66806 | 31.54194 |
| 3/27/2025 | 8:00:00 PM | 33.2762 | 52.36433 | 19.08813 | 28.29187 | 36.44681 | 3.17061 | 45.16939 | 33.10359 | -0.17261 | 49.64261 | 43.97708 | 10.70088 | 31.50912 |
| 3/27/2025 | 9:00:00 PM | 33.26952 | 52.37505 | 19.10553 | 28.27447 | 36.43965 | 3.17013 | 45.16987 | 33.11449 | -0.15503 | 49.62503 | 43.9878 | 10.71828 | 31.49172 |
| 3/27/2025 | 10:00:00 PM | 33.26952 | 52.37863 | 19.10911 | 28.27089 | 36.42891 | 3.15939 | 45.18061 | 33.10359 | -0.16593 | 49.63593 | 44.00208 | 10.73256 | 31.47744 |
| 3/27/2025 | 11:00:00 PM | 33.27286 | 52.38936 | 19.1165 | 28.2635 | 36.42175 | 3.14889 | 45.19111 | 33.11813 | -0.15473 | 49.62473 | 44.02708 | 10.75422 | 31.45578 |
| 3/28/2025 | 12:00:00 AM | 33.25948 | 52.38221 | 19.12273 | 28.25727 | 36.41817 | 3.15869 | 45.18131 | 33.11813 | -0.14135 | 49.61135 | 44.0128 | 10.75332 | 31.45668 |
| 3/28/2025 | 1:00:00 AM | 33.24945 | 52.37863 | 19.12918 | 28.25082 | 36.4146 | 3.16515 | 45.17485 | 33.10359 | -0.14586 | 49.61586 | 43.98066 | 10.73121 | 31.47879 |
| 3/28/2025 | 2:00:00 AM | 33.2528 | 52.38578 | 19.13298 | 28.24702 | 36.40028 | 3.14748 | 45.19252 | 33.10359 | -0.14921 | 49.61921 | 44.0128 | 10.76 | 31.45 |
| 3/28/2025 | 3:00:00 AM | 33.26617 | 52.41439 | 19.14822 | 28.23178 | 36.40744 | 3.14127 | 45.19873 | 33.12539 | -0.14078 | 49.61078 | 44.0628 | 10.79663 | 31.41337 |
| 3/28/2025 | 4:00:00 AM | 33.27286 | 52.43942 | 19.16656 | 28.21344 | 36.40386 | 3.131 | 45.209 | 33.13266 | -0.1402 | 49.6102 | 44.09137 | 10.81851 | 31.39149 |
| 3/28/2025 | 5:00:00 AM | 33.2762 | 52.443 | 19.1668 | 28.2132 | 36.38954 | 3.11334 | 45.22666 | 33.13266 | -0.14354 | 49.61354 | 44.11279 | 10.83659 | 31.37341 |
| 3/28/2025 | 6:00:00 AM | 33.28624 | 52.46803 | 19.18179 | 28.19821 | 36.3967 | 3.11046 | 45.22954 | 33.15083 | -0.13541 | 49.60541 | 44.14851 | 10.86227 | 31.34773 |
| 3/28/2025 | 7:00:00 AM | 33.28624 | 52.48234 | 19.1961 | 28.1839 | 36.38954 | 3.1033 | 45.2367 | 33.16174 | -0.1245 | 49.5945 | 44.17351 | 10.88727 | 31.32273 |
| 3/28/2025 | 8:00:00 AM | 33.29961 | 52.50379 | 19.20418 | 28.17582 | 36.38954 | 3.08993 | 45.25007 | 33.17264 | -0.12697 | 49.59697 | 44.21993 | 10.92032 | 31.28968 |
| 3/28/2025 | 9:00:00 AM | 33.30964 | 52.52525 | 19.21561 | 28.16439 | 36.39312 | 3.08348 | 45.25652 | 33.18717 | -0.12247 | 49.59247 | 44.25922 | 10.94958 | 31.26042 |
| 3/28/2025 | 10:00:00 AM | 33.32302 | 52.55743 | 19.23441 | 28.14559 | 36.3967 | 3.07368 | 45.26632 | 33.20898 | -0.11404 | 49.58404 | 44.30564 | 10.98262 | 31.22738 |
| 3/28/2025 | 11:00:00 AM | 33.33305 | 52.56816 | 19.23511 | 28.14489 | 36.39312 | 3.06007 | 45.27993 | 33.23078 | -0.10227 | 49.57227 | 44.34493 | 11.01188 | 31.19812 |
| 3/28/2025 | 12:00:00 PM | 33.33974 | 52.58247 | 19.24273 | 28.13727 | 36.3967 | 3.05696 | 45.28304 | 33.24169 | -0.09805 | 49.56805 | 44.36993 | 11.03019 | 31.17981 |
| 3/28/2025 | 1:00:00 PM | 33.34643 | 52.58962 | 19.24319 | 28.13681 | 36.39312 | 3.04669 | 45.29331 | 33.24896 | -0.09747 | 49.56747 | 44.3985 | 11.05207 | 31.15793 |
| 3/28/2025 | 2:00:00 PM | 33.35646 | 52.61108 | 19.25462 | 28.12538 | 36.40028 | 3.04382 | 45.29618 | 33.26713 | -0.08933 | 49.55933 | 44.41635 | 11.05989 | 31.15011 |
| 3/28/2025 | 3:00:00 PM | 33.36649 | 52.62538 | 19.25889 | 28.12111 | 36.40386 | 3.03737 | 45.30263 | 33.27076 | -0.09573 | 49.56573 | 44.43064 | 11.06415 | 31.14585 |
| 3/28/2025 | 4:00:00 PM | 33.36649 | 52.62896 | 19.26247 | 28.11753 | 36.4146 | 3.04811 | 45.29189 | 33.2853 | -0.08119 | 49.55119 | 44.45921 | 11.09272 | 31.11728 |
| 3/28/2025 | 5:00:00 PM | 33.37652 | 52.64684 | 19.27032 | 28.10968 | 36.41817 | 3.04165 | 45.29835 | 33.29983 | -0.07669 | 49.54669 | 44.48778 | 11.11126 | 31.09874 |
| 3/28/2025 | 6:00:00 PM | 33.37987 | 52.66472 | 19.28485 | 28.09515 | 36.42533 | 3.04546 | 45.29454 | 33.31437 | -0.0655 | 49.5355 | 44.51278 | 11.13291 | 31.07709 |
| 3/28/2025 | 7:00:00 PM | 33.38656 | 52.6826 | 19.29604 | 28.08396 | 36.42533 | 3.03877 | 45.30123 | 33.32891 | -0.05765 | 49.52765 | 44.55564 | 11.16908 | 31.04092 |
| 3/28/2025 | 8:00:00 PM | 33.39659 | 52.70048 | 19.30389 | 28.07611 | 36.43965 | 3.04306 | 45.29694 | 33.33981 | -0.05678 | 49.52678 | 44.59492 | 11.19833 | 31.01167 |
| 3/28/2025 | 9:00:00 PM | 33.39993 | 52.73981 | 19.33988 | 28.04012 | 36.45039 | 3.05046 | 45.28954 | 33.37252 | -0.02741 | 49.49741 | 44.66635 | 11.26642 | 30.94358 |
| 3/28/2025 | 10:00:00 PM | 33.39993 | 52.76127 | 19.36134 | 28.01866 | 36.45039 | 3.05046 | 45.28954 | 33.39432 | -0.00561 | 49.47561 | 44.72349 | 11.32356 | 30.88644 |
| 3/28/2025 | 11:00:00 PM | 33.40996 | 52.76842 | 19.35846 | 28.02154 | 36.45755 | 3.04759 | 45.29241 | 33.40886 | -0.0011 | 49.4711 | 44.74849 | 11.33853 | 30.87147 |
| 3/29/2025 | 12:00:00 AM | 33.43003 | 52.77915 | 19.34912 | 28.03088 | 36.47187 | 3.04184 | 45.29816 | 33.42703 | -0.003 | 49.473 | 44.79134 | 11.36131 | 30.84869 |
| 3/29/2025 | 1:00:00 AM | 33.43672 | 52.79345 | 19.35673 | 28.02327 | 36.47903 | 3.04231 | 45.29769 | 33.44883 | 0.01211 | 49.45789 | 44.8092 | 11.37248 | 30.83752 |
| 3/29/2025 | 2:00:00 AM | 33.46012 | 52.81133 | 19.35121 | 28.02879 | 36.48977 | 3.02965 | 45.31035 | 33.45974 | -0.00038 | 49.47038 | 44.85205 | 11.39193 | 30.81807 |
| 3/29/2025 | 3:00:00 AM | 33.48353 | 52.82564 | 19.34211 | 28.03789 | 36.51124 | 3.02771 | 45.31229 | 33.48154 | -0.00199 | 49.47199 | 44.88062 | 11.39709 | 30.81291 |
| 3/29/2025 | 4:00:00 AM | 33.49356 | 52.83637 | 19.34281 | 28.03719 | 36.51124 | 3.01768 | 45.32232 | 33.49244 | -0.00112 | 49.47112 | 44.90562 | 11.41206 | 30.79794 |
| 3/29/2025 | 5:00:00 AM | 33.50694 | 52.8614 | 19.35446 | 28.02554 | 36.52198 | 3.01504 | 45.32496 | 33.50335 | -0.00359 | 49.47359 | 44.93777 | 11.43083 | 30.77917 |
| 3/29/2025 | 6:00:00 AM | 33.52366 | 52.87928 | 19.35562 | 28.02438 | 36.53272 | 3.00906 | 45.33094 | 33.51788 | -0.00578 | 49.47578 | 44.94848 | 11.42482 | 30.78518 |
| 3/29/2025 | 7:00:00 AM | 33.527 | 52.88286 | 19.35586 | 28.02414 | 36.54704 | 3.02004 | 45.31996 | 33.52515 | -0.00185 | 49.47185 | 44.97705 | 11.45005 | 30.75995 |
| 3/29/2025 | 8:00:00 AM | 33.53704 | 52.89716 | 19.36012 | 28.01988 | 36.55062 | 3.01358 | 45.32642 | 33.53605 | -0.00099 | 49.47099 | 44.99134 | 11.4543 | 30.7557 |
| 3/29/2025 | 9:00:00 AM | 33.55376 | 52.90431 | 19.35055 | 28.02945 | 36.56494 | 3.01118 | 45.32882 | 33.54696 | -0.0068 | 49.4768 | 45.01991 | 11.46615 | 30.74385 |
| 3/29/2025 | 10:00:00 AM | 33.56044 | 52.92577 | 19.36533 | 28.01467 | 36.58283 | 3.02239 | 45.31761 | 33.55786 | -0.00258 | 49.47258 | 45.03419 | 11.47375 | 30.73625 |
| 3/29/2025 | 11:00:00 AM | 33.58051 | 52.9365 | 19.35599 | 28.02401 | 36.59357 | 3.01306 | 45.32694 | 33.57603 | -0.00448 | 49.47448 | 45.05205 | 11.47154 | 30.73846 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/29/2025 | 12:00:00 PM | 33.5872 | 52.94007 | 19.35287 | 28.02713 | 36.59715 | 3.00995 | 45.33005 | 33.5833 | -0.0039 | 49.4739 | 45.05205 | 11.46485 | 30.74515 |
| 3/29/2025 | 1:00:00 PM | 33.59388 | 52.94007 | 19.34619 | 28.03381 | 36.61863 | 3.02475 | 45.31525 | 33.59057 | -0.00331 | 49.47331 | 45.04133 | 11.44745 | 30.76255 |
| 3/29/2025 | 2:00:00 PM | 33.58385 | 52.92219 | 19.33834 | 28.04166 | 36.62221 | 3.03836 | 45.30164 | 33.58693 | 0.00308 | 49.46692 | 45.01991 | 11.43606 | 30.77394 |
| 3/29/2025 | 3:00:00 PM | 33.60057 | 52.91862 | 19.31805 | 28.06195 | 36.63295 | 3.03238 | 45.30762 | 33.5942 | -0.00637 | 49.47637 | 44.99848 | 11.39791 | 30.81209 |
| 3/29/2025 | 4:00:00 PM | 33.60057 | 52.91146 | 19.31089 | 28.06911 | 36.64369 | 3.04312 | 45.29688 | 33.57966 | -0.02091 | 49.49091 | 44.98419 | 11.38362 | 30.82638 |
| 3/29/2025 | 5:00:00 PM | 33.59054 | 52.89001 | 19.29947 | 28.08053 | 36.65084 | 3.0603 | 45.2797 | 33.56876 | -0.02178 | 49.49178 | 44.94491 | 11.35437 | 30.85563 |
| 3/29/2025 | 6:00:00 PM | 33.58385 | 52.8757 | 19.29185 | 28.08815 | 36.658 | 3.07415 | 45.26585 | 33.56513 | -0.01872 | 49.48872 | 44.92348 | 11.33963 | 30.87037 |
| 3/29/2025 | 7:00:00 PM | 33.57382 | 52.86855 | 19.29473 | 28.08527 | 36.66874 | 3.09492 | 45.24508 | 33.56149 | -0.01233 | 49.48233 | 44.91634 | 11.34252 | 30.86748 |
| 3/29/2025 | 8:00:00 PM | 33.55376 | 52.86855 | 19.31479 | 28.06521 | 36.66874 | 3.11498 | 45.22502 | 33.55422 | 0.00046 | 49.46954 | 44.91991 | 11.36615 | 30.84385 |
| 3/29/2025 | 9:00:00 PM | 33.54372 | 52.85782 | 19.3141 | 28.0659 | 36.66874 | 3.12502 | 45.21498 | 33.55422 | 0.0105 | 49.4595 | 44.91634 | 11.37262 | 30.83738 |
| 3/29/2025 | 10:00:00 PM | 33.53369 | 52.85782 | 19.32413 | 28.05587 | 36.67948 | 3.14579 | 45.19421 | 33.54696 | 0.01327 | 49.45673 | 44.88777 | 11.35408 | 30.85592 |
| 3/29/2025 | 11:00:00 PM | 33.52032 | 52.85067 | 19.33035 | 28.04965 | 36.68306 | 3.16274 | 45.17726 | 33.54332 | 0.023 | 49.447 | 44.87348 | 11.35316 | 30.85684 |
| 3/30/2025 | 12:00:00 AM | 33.5036 | 52.82922 | 19.32562 | 28.05438 | 36.68306 | 3.17946 | 45.16054 | 33.52515 | 0.02155 | 49.44845 | 44.82348 | 11.31988 | 30.89012 |
| 3/30/2025 | 1:00:00 AM | 33.48353 | 52.79703 | 19.3135 | 28.0665 | 36.68664 | 3.20311 | 45.13689 | 33.51061 | 0.02708 | 49.44292 | 44.78063 | 11.2971 | 30.9129 |
| 3/30/2025 | 2:00:00 AM | 33.4735 | 52.77915 | 19.30565 | 28.07435 | 36.69022 | 3.21672 | 45.12328 | 33.48881 | 0.01531 | 49.45469 | 44.75563 | 11.28213 | 30.92787 |
| 3/30/2025 | 3:00:00 AM | 33.45678 | 52.76485 | 19.30807 | 28.07193 | 36.68664 | 3.22986 | 45.11014 | 33.47427 | 0.01749 | 49.45251 | 44.69492 | 11.23814 | 30.97186 |
| 3/30/2025 | 4:00:00 AM | 33.44006 | 52.73981 | 19.29975 | 28.08025 | 36.69738 | 3.25732 | 45.08268 | 33.4561 | 0.01604 | 49.45396 | 44.64135 | 11.20129 | 31.00871 |
| 3/30/2025 | 5:00:00 AM | 33.42334 | 52.71121 | 19.28787 | 28.09213 | 36.69022 | 3.26688 | 45.07312 | 33.4343 | 0.01096 | 49.45904 | 44.59492 | 11.17158 | 31.03842 |
| 3/30/2025 | 6:00:00 AM | 33.40328 | 52.68975 | 19.28647 | 28.09353 | 36.68664 | 3.28336 | 45.05664 | 33.41613 | 0.01285 | 49.45715 | 44.54492 | 11.14164 | 31.06836 |
| 3/30/2025 | 7:00:00 AM | 33.40328 | 52.6826 | 19.27932 | 28.10068 | 36.68306 | 3.27978 | 45.06022 | 33.39432 | -0.00896 | 49.47896 | 44.51992 | 11.11664 | 31.09336 |
| 3/30/2025 | 8:00:00 AM | 33.40996 | 52.69332 | 19.28336 | 28.09664 | 36.6759 | 3.26594 | 45.07406 | 33.37979 | -0.03017 | 49.50017 | 44.49135 | 11.08139 | 31.12861 |
| 3/30/2025 | 9:00:00 AM | 33.39993 | 52.67902 | 19.27909 | 28.10091 | 36.6759 | 3.27597 | 45.06403 | 33.37252 | -0.02741 | 49.49741 | 44.45564 | 11.05571 | 31.15429 |
| 3/30/2025 | 10:00:00 AM | 33.40662 | 52.65756 | 19.25094 | 28.12906 | 36.66516 | 3.25854 | 45.08146 | 33.35798 | -0.04864 | 49.51864 | 44.40564 | 10.99902 | 31.21098 |
| 3/30/2025 | 11:00:00 AM | 33.40328 | 52.62896 | 19.22568 | 28.15432 | 36.658 | 3.25472 | 45.08528 | 33.33254 | -0.07074 | 49.54074 | 44.34493 | 10.94165 | 31.26835 |
| 3/30/2025 | 12:00:00 PM | 33.40328 | 52.58962 | 19.18634 | 28.19366 | 36.65084 | 3.24756 | 45.09244 | 33.3071 | -0.09618 | 49.56618 | 44.2735 | 10.87022 | 31.33978 |
| 3/30/2025 | 1:00:00 PM | 33.40662 | 52.55386 | 19.14724 | 28.23276 | 36.64011 | 3.23349 | 45.10651 | 33.27076 | -0.13586 | 49.60586 | 44.1985 | 10.79188 | 31.41812 |
| 3/30/2025 | 2:00:00 PM | 33.42668 | 52.52167 | 19.09499 | 28.28501 | 36.62937 | 3.20269 | 45.13731 | 33.24896 | -0.17772 | 49.64772 | 44.12351 | 10.69683 | 31.51317 |
| 3/30/2025 | 3:00:00 PM | 33.4434 | 52.47876 | 19.03536 | 28.34464 | 36.62221 | 3.17881 | 45.16119 | 33.21625 | -0.22715 | 49.69715 | 44.0628 | 10.6194 | 31.5906 |
| 3/30/2025 | 4:00:00 PM | 33.43337 | 52.45373 | 19.02036 | 28.35964 | 36.60431 | 3.17094 | 45.16906 | 33.18354 | -0.24983 | 49.71983 | 44.03065 | 10.59728 | 31.61272 |
| 3/30/2025 | 5:00:00 PM | 33.37318 | 52.3536 | 18.98042 | 28.39958 | 36.60073 | 3.22755 | 45.11245 | 33.15447 | -0.21871 | 49.68871 | 44.00565 | 10.63247 | 31.57753 |
| 3/30/2025 | 6:00:00 PM | 33.34308 | 52.28923 | 18.94615 | 28.43385 | 36.57925 | 3.23617 | 45.10383 | 33.1363 | -0.20678 | 49.67678 | 43.97351 | 10.63043 | 31.57957 |
| 3/30/2025 | 7:00:00 PM | 33.3364 | 52.27493 | 18.93853 | 28.44147 | 36.56494 | 3.22854 | 45.11146 | 33.11449 | -0.22191 | 49.69191 | 43.95566 | 10.61926 | 31.59074 |
| 3/30/2025 | 8:00:00 PM | 33.31633 | 52.24989 | 18.93356 | 28.44644 | 36.55062 | 3.23429 | 45.10571 | 33.08905 | -0.22728 | 49.69728 | 43.89137 | 10.57504 | 31.63496 |
| 3/30/2025 | 9:00:00 PM | 33.31968 | 52.28565 | 18.96597 | 28.41403 | 36.5363 | 3.21662 | 45.12338 | 33.08542 | -0.23426 | 49.70426 | 43.92351 | 10.60383 | 31.60617 |
| 3/30/2025 | 10:00:00 PM | 33.3364 | 52.31426 | 18.97786 | 28.40214 | 36.52198 | 3.18558 | 45.15442 | 33.09632 | -0.24008 | 49.71008 | 43.98066 | 10.64426 | 31.56574 |
| 3/30/2025 | 11:00:00 PM | 33.3364 | 52.32857 | 18.99217 | 28.38783 | 36.51124 | 3.17484 | 45.16516 | 33.09995 | -0.23645 | 49.70645 | 44.00565 | 10.66925 | 31.54075 |
| 3/31/2025 | 12:00:00 AM | 33.34308 | 52.3679 | 19.02482 | 28.35518 | 36.5005 | 3.15742 | 45.18258 | 33.11449 | -0.22859 | 49.69859 | 44.07351 | 10.73043 | 31.47957 |
| 3/31/2025 | 1:00:00 AM | 33.34977 | 52.38936 | 19.03959 | 28.34041 | 36.48977 | 3.14 | 45.2 | 33.12176 | -0.22801 | 49.69801 | 44.10922 | 10.75945 | 31.45055 |
| 3/31/2025 | 2:00:00 AM | 33.34977 | 52.41082 | 19.06105 | 28.31895 | 36.48261 | 3.13284 | 45.20716 | 33.13266 | -0.21711 | 49.68711 | 44.14136 | 10.79159 | 31.41841 |
| 3/31/2025 | 3:00:00 AM | 33.34977 | 52.42154 | 19.07177 | 28.30823 | 36.47187 | 3.1221 | 45.2179 | 33.14356 | -0.20621 | 49.67621 | 44.15208 | 10.80231 | 31.40769 |
| 3/31/2025 | 4:00:00 AM | 33.34977 | 52.42154 | 19.07177 | 28.30823 | 36.46471 | 3.11494 | 45.22506 | 33.1472 | -0.20257 | 49.67257 | 44.15208 | 10.80231 | 31.40769 |
| 3/31/2025 | 5:00:00 AM | 33.33974 | 52.4287 | 19.08896 | 28.29104 | 36.45755 | 3.11781 | 45.22219 | 33.1472 | -0.19254 | 49.66254 | 44.16993 | 10.83019 | 31.37981 |
| 3/31/2025 | 6:00:00 AM | 33.34308 | 52.43585 | 19.09277 | 28.28723 | 36.46113 | 3.11805 | 45.22195 | 33.1472 | -0.19588 | 49.66588 | 44.18065 | 10.83757 | 31.37243 |
| 3/31/2025 | 7:00:00 AM | 33.34977 | 52.46088 | 19.11111 | 28.26889 | 36.45755 | 3.10778 | 45.23222 | 33.169 | -0.18077 | 49.65077 | 44.2235 | 10.87373 | 31.33627 |
| 3/31/2025 | 8:00:00 AM | 33.34977 | 52.47876 | 19.12899 | 28.25101 | 36.45039 | 3.10062 | 45.23938 | 33.169 | -0.18077 | 49.65077 | 44.2485 | 10.89873 | 31.31127 |
| 3/31/2025 | 9:00:00 AM | 33.35646 | 52.46803 | 19.11157 | 28.26843 | 36.45039 | 3.09393 | 45.24607 | 33.17264 | -0.18382 | 49.65382 | 44.25207 | 10.89561 | 31.31439 |
| 3/31/2025 | 10:00:00 AM | 33.33974 | 52.41439 | 19.07465 | 28.30535 | 36.45039 | 3.11065 | 45.22935 | 33.17991 | -0.15983 | 49.62983 | 44.25922 | 10.91948 | 31.29052 |
| 3/31/2025 | 11:00:00 AM | 33.34308 | 52.41439 | 19.07131 | 28.30869 | 36.43607 | 3.09299 | 45.24701 | 33.19081 | -0.15227 | 49.62227 | 44.26279 | 10.91971 | 31.29029 |
| 3/31/2025 | 12:00:00 PM | 33.35312 | 52.41439 | 19.06127 | 28.31873 | 36.44323 | 3.09011 | 45.24989 | 33.18717 | -0.16595 | 49.63595 | 44.25207 | 10.89895 | 31.31105 |
| 3/31/2025 | 1:00:00 PM | 33.37652 | 52.41082 | 19.0343 | 28.3457 | 36.44681 | 3.07029 | 45.26971 | 33.18717 | -0.18935 | 49.65935 | 44.24493 | 10.86841 | 31.34159 |
| 3/31/2025 | 2:00:00 PM | 33.39659 | 52.42512 | 19.02853 | 28.35147 | 36.43965 | 3.04306 | 45.29694 | 33.18717 | -0.20942 | 49.67942 | 44.25207 | 10.85548 | 31.35452 |
| 3/31/2025 | 3:00:00 PM | 33.39659 | 52.40724 | 19.01065 | 28.36935 | 36.43965 | 3.04306 | 45.29694 | 33.17627 | -0.22032 | 49.69032 | 44.22708 | 10.83049 | 31.37951 |
| 3/31/2025 | 4:00:00 PM | 33.3899 | 52.39651 | 19.00661 | 28.37339 | 36.43965 | 3.04975 | 45.29025 | 33.17991 | -0.20999 | 49.67999 | 44.20922 | 10.81932 | 31.39068 |
| 3/31/2025 | 5:00:00 PM | 33.38656 | 52.40724 | 19.02068 | 28.35932 | 36.43249 | 3.04593 | 45.29407 | 33.17991 | -0.20665 | 49.67665 | 44.23422 | 10.84766 | 31.36234 |
| 3/31/2025 | 6:00:00 PM | 33.37987 | 52.41439 | 19.03452 | 28.34548 | 36.43965 | 3.05978 | 45.28022 | 33.18717 | -0.1927 | 49.6627 | 44.2485 | 10.86863 | 31.34137 |
| 3/31/2025 | 7:00:00 PM | 33.38321 | 52.4287 | 19.04549 | 28.33451 | 36.43249 | 3.04928 | 45.29072 | 33.18354 | -0.19967 | 49.66967 | 44.26279 | 10.87958 | 31.33042 |
| 3/31/2025 | 8:00:00 PM | 33.38321 | 52.43585 | 19.05264 | 28.32736 | 36.44323 | 3.06002 | 45.27998 | 33.19808 | -0.18513 | 49.65513 | 44.28779 | 10.90458 | 31.30542 |
| 3/31/2025 | 9:00:00 PM | 33.38656 | 52.46446 | 19.0779 | 28.3021 | 36.43249 | 3.04593 | 45.29407 | 33.21261 | -0.17395 | 49.64395 | 44.33779 | 10.95123 | 31.25877 |
| 3/31/2025 | 10:00:00 PM | 33.37987 | 52.48234 | 19.10247 | 28.27753 | 36.43607 | 3.0562 | 45.2838 | 33.22715 | -0.15272 | 49.62272 | 44.36636 | 10.98649 | 31.22351 |
| 3/31/2025 | 11:00:00 PM | 33.37987 | 52.48949 | 19.10962 | 28.27038 | 36.43607 | 3.0562 | 45.2838 | 33.23442 | -0.14545 | 49.61545 | 44.37707 | 10.9972 | 31.2128 |
| 4/1/2025 | 12:00:00 AM | 33.38321 | 52.50379 | 19.12058 | 28.25942 | 36.43965 | 3.05644 | 45.28356 | 33.24169 | -0.14152 | 49.61152 | 44.40564 | 11.02243 | 31.18757 |
| 4/1/2025 | 1:00:00 AM | 33.38656 | 52.51095 | 19.12439 | 28.25561 | 36.44681 | 3.06025 | 45.27975 | 33.25259 | -0.13397 | 49.60397 | 44.4235 | 11.03694 | 31.17306 |
| 4/1/2025 | 2:00:00 AM | 33.36984 | 52.50737 | 19.13753 | 28.24247 | 36.43965 | 3.06981 | 45.27019 | 33.24896 | -0.12088 | 49.59088 | 44.40564 | 11.0358 | 31.1742 |
| 4/1/2025 | 3:00:00 AM | 33.37318 | 52.51452 | 19.14134 | 28.23866 | 36.43965 | 3.06647 | 45.27353 | 33.25622 | -0.11696 | 49.58696 | 44.41635 | 11.04317 | 31.16683 |
| 4/1/2025 | 4:00:00 AM | 33.37318 | 52.5181 | 19.14492 | 28.23508 | 36.45039 | 3.07721 | 45.26279 | 33.25986 | -0.11332 | 49.58332 | 44.43064 | 11.05746 | 31.15254 |
| 4/1/2025 | 5:00:00 AM | 33.37318 | 52.5324 | 19.15922 | 28.22078 | 36.45039 | 3.07721 | 45.26279 | 33.26349 | -0.10969 | 49.57969 | 44.44493 | 11.07175 | 31.13825 |
| 4/1/2025 | 6:00:00 AM | 33.36984 | 52.5324 | 19.16256 | 28.21744 | 36.45755 | 3.08771 | 45.25229 | 33.27439 | -0.09545 | 49.56545 | 44.44493 | 11.07509 | 31.13491 |
| 4/1/2025 | 7:00:00 AM | 33.37652 | 52.55386 | 19.17734 | 28.20266 | 36.46113 | 3.08461 | 45.25539 | 33.27439 | -0.10213 | 49.57213 | 44.46992 | 11.0934 | 31.1166 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/1/2025 | 8:00:00 AM | 33.37987 | 52.55386 | 19.17399 | 28.20601 | 36.46829 | 3.08842 | 45.25158 | 33.2853 | -0.09457 | 49.56457 | 44.49492 | 11.11505 | 31.09495 |
| 4/1/2025 | 9:00:00 AM | 33.3899 | 52.57174 | 19.18184 | 28.19816 | 36.46113 | 3.07123 | 45.26877 | 33.28893 | -0.10097 | 49.57097 | 44.50921 | 11.11931 | 31.09069 |
| 4/1/2025 | 10:00:00 AM | 33.3899 | 52.59677 | 19.20687 | 28.17313 | 36.46829 | 3.07839 | 45.26161 | 33.30347 | -0.08643 | 49.55643 | 44.54135 | 11.15145 | 31.05855 |
| 4/1/2025 | 11:00:00 AM | 33.40662 | 52.61108 | 19.20446 | 28.17554 | 36.47545 | 3.06883 | 45.27117 | 33.31437 | -0.09225 | 49.56225 | 44.56635 | 11.15973 | 31.05027 |
| 4/1/2025 | 12:00:00 PM | 33.41665 | 52.6218 | 19.20515 | 28.17485 | 36.47903 | 3.06238 | 45.27762 | 33.318 | -0.09865 | 49.56865 | 44.58421 | 11.16756 | 31.04244 |
| 4/1/2025 | 1:00:00 PM | 33.42 | 52.63253 | 19.21253 | 28.16747 | 36.48619 | 3.06619 | 45.27381 | 33.32891 | -0.09109 | 49.56109 | 44.59135 | 11.17135 | 31.03865 |
| 4/1/2025 | 2:00:00 PM | 33.42668 | 52.63968 | 19.213 | 28.167 | 36.48261 | 3.05593 | 45.28407 | 33.32891 | -0.09777 | 49.56777 | 44.60206 | 11.17538 | 31.03462 |
| 4/1/2025 | 3:00:00 PM | 33.43003 | 52.63611 | 19.20608 | 28.17392 | 36.48619 | 3.05616 | 45.28384 | 33.33981 | -0.09022 | 49.56022 | 44.60206 | 11.17203 | 31.03797 |
| 4/1/2025 | 4:00:00 PM | 33.43337 | 52.63968 | 19.20631 | 28.17369 | 36.49692 | 3.06355 | 45.27645 | 33.33254 | -0.10083 | 49.57083 | 44.60921 | 11.17584 | 31.03416 |
| 4/1/2025 | 5:00:00 PM | 33.43672 | 52.63611 | 19.19939 | 28.18061 | 36.49692 | 3.0602 | 45.2798 | 33.34344 | -0.09328 | 49.56328 | 44.59849 | 11.16177 | 31.04823 |
| 4/1/2025 | 6:00:00 PM | 33.4434 | 52.65041 | 19.20701 | 28.17299 | 36.50408 | 3.06068 | 45.27932 | 33.34708 | -0.09632 | 49.56632 | 44.61278 | 11.16938 | 31.04062 |
| 4/1/2025 | 7:00:00 PM | 33.44006 | 52.65399 | 19.21393 | 28.16607 | 36.51124 | 3.07118 | 45.26882 | 33.35071 | -0.08935 | 49.55935 | 44.61635 | 11.17629 | 31.03371 |
| 4/1/2025 | 8:00:00 PM | 33.4434 | 52.66114 | 19.21774 | 28.16226 | 36.51482 | 3.07142 | 45.26858 | 33.35071 | -0.09269 | 49.56269 | 44.63063 | 11.18723 | 31.02277 |
| 4/1/2025 | 9:00:00 PM | 33.44006 | 52.6826 | 19.24254 | 28.13746 | 36.51124 | 3.07118 | 45.26882 | 33.36525 | -0.07481 | 49.54481 | 44.67349 | 11.23343 | 30.97657 |
| 4/1/2025 | 10:00:00 PM | 33.44675 | 52.69332 | 19.24657 | 28.13343 | 36.52198 | 3.07523 | 45.26477 | 33.36888 | -0.07787 | 49.54787 | 44.6842 | 11.23745 | 30.97255 |
| 4/1/2025 | 11:00:00 PM | 33.4434 | 52.68975 | 19.24635 | 28.13365 | 36.5363 | 3.0929 | 45.2471 | 33.37615 | -0.06725 | 49.53725 | 44.68063 | 11.23723 | 30.97277 |
| 4/2/2025 | 12:00:00 AM | 33.44675 | 52.6969 | 19.25015 | 28.12985 | 36.5363 | 3.08955 | 45.25045 | 33.37979 | -0.06696 | 49.53696 | 44.70206 | 11.25531 | 30.95469 |
| 4/2/2025 | 1:00:00 AM | 33.44675 | 52.70763 | 19.26088 | 28.11912 | 36.54346 | 3.09671 | 45.24329 | 33.38342 | -0.06333 | 49.53333 | 44.7092 | 11.26245 | 30.94755 |
| 4/2/2025 | 2:00:00 AM | 33.4434 | 52.70763 | 19.26423 | 28.11577 | 36.53988 | 3.09648 | 45.24352 | 33.39432 | -0.04908 | 49.51908 | 44.71992 | 11.27652 | 30.93348 |
| 4/2/2025 | 3:00:00 AM | 33.43337 | 52.68617 | 19.2528 | 28.1272 | 36.54346 | 3.11009 | 45.22991 | 33.40522 | -0.02815 | 49.49815 | 44.74134 | 11.30797 | 30.90203 |
| 4/2/2025 | 4:00:00 AM | 33.43003 | 52.68975 | 19.25972 | 28.12028 | 36.5542 | 3.12417 | 45.21583 | 33.40159 | -0.02844 | 49.49844 | 44.74849 | 11.31846 | 30.89154 |
| 4/2/2025 | 5:00:00 AM | 33.43337 | 52.68975 | 19.25638 | 28.12362 | 36.56136 | 3.12799 | 45.21201 | 33.40159 | -0.03178 | 49.50178 | 44.7342 | 11.30083 | 30.90917 |
| 4/2/2025 | 6:00:00 AM | 33.41665 | 52.68617 | 19.26952 | 28.11048 | 36.56136 | 3.14471 | 45.19529 | 33.41249 | -0.00416 | 49.47416 | 44.74134 | 11.32469 | 30.88531 |
| 4/2/2025 | 7:00:00 AM | 33.43003 | 52.70405 | 19.27402 | 28.10598 | 36.56494 | 3.13491 | 45.20509 | 33.41613 | -0.0139 | 49.4839 | 44.75563 | 11.3256 | 30.8844 |
| 4/2/2025 | 8:00:00 AM | 33.43672 | 52.71478 | 19.27806 | 28.10194 | 36.57567 | 3.13895 | 45.20105 | 33.41976 | -0.01696 | 49.48696 | 44.79134 | 11.35462 | 30.85538 |
| 4/2/2025 | 9:00:00 AM | 33.45009 | 52.73624 | 19.28615 | 28.09385 | 36.58283 | 3.13274 | 45.20726 | 33.43793 | -0.01216 | 49.48216 | 44.82348 | 11.37339 | 30.83661 |
| 4/2/2025 | 10:00:00 AM | 33.46347 | 52.75412 | 19.29065 | 28.08935 | 36.57925 | 3.11578 | 45.22422 | 33.44883 | -0.01464 | 49.48464 | 44.86277 | 11.3993 | 30.8107 |
| 4/2/2025 | 11:00:00 AM | 33.46681 | 52.76485 | 19.29804 | 28.08196 | 36.58641 | 3.1196 | 45.2204 | 33.46337 | -0.00344 | 49.47344 | 44.87705 | 11.41024 | 30.79976 |
| 4/2/2025 | 12:00:00 PM | 33.47016 | 52.76127 | 19.29111 | 28.08889 | 36.59357 | 3.12341 | 45.21659 | 33.47064 | 0.00048 | 49.46952 | 44.87348 | 11.40332 | 30.80668 |
| 4/2/2025 | 1:00:00 PM | 33.47684 | 52.74697 | 19.27013 | 28.10987 | 36.60073 | 3.12389 | 45.21611 | 33.46337 | -0.01347 | 49.48347 | 44.82348 | 11.34664 | 30.86336 |
| 4/2/2025 | 2:00:00 PM | 33.48353 | 52.73981 | 19.25628 | 28.12372 | 36.60789 | 3.12436 | 45.21564 | 33.4561 | -0.02743 | 49.49743 | 44.81991 | 11.33638 | 30.87362 |
| 4/2/2025 | 3:00:00 PM | 33.48688 | 52.73981 | 19.25293 | 28.12707 | 36.60789 | 3.12101 | 45.21899 | 33.46701 | -0.01987 | 49.48987 | 44.8092 | 11.32232 | 30.88768 |
| 4/2/2025 | 4:00:00 PM | 33.48353 | 52.72909 | 19.24556 | 28.13444 | 36.61863 | 3.1351 | 45.2049 | 33.46337 | -0.02016 | 49.49016 | 44.78777 | 11.30424 | 30.90576 |
| 4/2/2025 | 5:00:00 PM | 33.48353 | 52.72193 | 19.2384 | 28.1416 | 36.62221 | 3.13868 | 45.20132 | 33.45247 | -0.03106 | 49.50106 | 44.77349 | 11.28996 | 30.92004 |
| 4/2/2025 | 6:00:00 PM | 33.47684 | 52.72551 | 19.24867 | 28.13133 | 36.62937 | 3.15253 | 45.18747 | 33.44883 | -0.02801 | 49.49801 | 44.78777 | 11.31093 | 30.89907 |
| 4/2/2025 | 7:00:00 PM | 33.47016 | 52.73266 | 19.2625 | 28.1175 | 36.62937 | 3.15921 | 45.18079 | 33.45247 | -0.01769 | 49.48769 | 44.80206 | 11.3319 | 30.8781 |
| 4/2/2025 | 8:00:00 PM | 33.47684 | 52.73981 | 19.26297 | 28.11703 | 36.63295 | 3.15611 | 45.18389 | 33.46701 | -0.00983 | 49.47983 | 44.8342 | 11.35736 | 30.85264 |
| 4/2/2025 | 9:00:00 PM | 33.47684 | 52.77557 | 19.29873 | 28.08127 | 36.63653 | 3.15969 | 45.18031 | 33.47791 | 0.00107 | 49.46893 | 44.86991 | 11.39307 | 30.81693 |
| 4/2/2025 | 10:00:00 PM | 33.4735 | 52.78273 | 19.30923 | 28.07077 | 36.64011 | 3.16661 | 45.17339 | 33.48881 | 0.01531 | 49.45469 | 44.90205 | 11.42855 | 30.78145 |
| 4/2/2025 | 11:00:00 PM | 33.48353 | 52.80776 | 19.32423 | 28.05577 | 36.64369 | 3.16016 | 45.17984 | 33.49971 | 0.01618 | 49.45382 | 44.94491 | 11.46138 | 30.74862 |
| 4/3/2025 | 12:00:00 AM | 33.5036 | 52.82206 | 19.31846 | 28.06154 | 36.65084 | 3.14724 | 45.19276 | 33.51788 | 0.01428 | 49.45572 | 44.98062 | 11.47702 | 30.73298 |
| 4/3/2025 | 1:00:00 AM | 33.51697 | 52.83279 | 19.31582 | 28.06418 | 36.66158 | 3.14461 | 45.19539 | 33.53242 | 0.01545 | 49.45455 | 44.99848 | 11.48151 | 30.72849 |
| 4/3/2025 | 2:00:00 AM | 33.53369 | 52.84352 | 19.30983 | 28.07017 | 36.66516 | 3.13147 | 45.20853 | 33.54332 | 0.00963 | 49.46037 | 45.01991 | 11.48622 | 30.72378 |
| 4/3/2025 | 3:00:00 AM | 33.55041 | 52.8614 | 19.31099 | 28.06901 | 36.66874 | 3.11833 | 45.22167 | 33.55422 | 0.00381 | 49.46619 | 45.04848 | 11.49807 | 30.71193 |
| 4/3/2025 | 4:00:00 AM | 33.56379 | 52.87928 | 19.31549 | 28.06451 | 36.67948 | 3.11569 | 45.22431 | 33.56513 | 0.00134 | 49.46866 | 45.07705 | 11.51326 | 30.69674 |
| 4/3/2025 | 5:00:00 AM | 33.57382 | 52.88286 | 19.30904 | 28.07096 | 36.69022 | 3.1164 | 45.2236 | 33.58693 | 0.01311 | 49.45689 | 45.11276 | 11.53894 | 30.67106 |
| 4/3/2025 | 6:00:00 AM | 33.61729 | 52.91862 | 19.30133 | 28.07867 | 36.69022 | 3.07293 | 45.26707 | 33.59783 | -0.01946 | 49.48946 | 45.15919 | 11.5419 | 30.6681 |
| 4/3/2025 | 7:00:00 AM | 33.62732 | 52.93292 | 19.3056 | 28.0744 | 36.70454 | 3.07722 | 45.26278 | 33.60874 | -0.01858 | 49.48858 | 45.17704 | 11.54972 | 30.66028 |
| 4/3/2025 | 8:00:00 AM | 33.64739 | 52.95795 | 19.31056 | 28.06944 | 36.70812 | 3.06073 | 45.27927 | 33.62691 | -0.02048 | 49.49048 | 45.20918 | 11.56179 | 30.64821 |
| 4/3/2025 | 9:00:00 AM | 33.67748 | 52.96511 | 19.28763 | 28.09237 | 36.72601 | 3.04853 | 45.29147 | 33.64144 | -0.03604 | 49.50604 | 45.23418 | 11.5567 | 30.6533 |
| 4/3/2025 | 10:00:00 AM | 33.68417 | 52.97941 | 19.29524 | 28.08476 | 36.73317 | 3.049 | 45.291 | 33.65598 | -0.02819 | 49.49819 | 45.25918 | 11.57501 | 30.63499 |
| 4/3/2025 | 11:00:00 AM | 33.69755 | 52.97583 | 19.27828 | 28.10172 | 36.73675 | 3.0392 | 45.3008 | 33.66688 | -0.03067 | 49.50067 | 45.24847 | 11.55092 | 30.65908 |
| 4/3/2025 | 12:00:00 PM | 33.70424 | 52.97941 | 19.27517 | 28.10483 | 36.75107 | 3.04683 | 45.29317 | 33.67415 | -0.03009 | 49.50009 | 45.2449 | 11.54066 | 30.66934 |
| 4/3/2025 | 1:00:00 PM | 33.73433 | 52.97941 | 19.24508 | 28.13492 | 36.75823 | 3.0239 | 45.3161 | 33.67779 | -0.05654 | 49.52654 | 45.2199 | 11.48557 | 30.72443 |
| 4/3/2025 | 2:00:00 PM | 33.79118 | 52.98299 | 19.19181 | 28.18819 | 36.77255 | 2.98137 | 45.35863 | 33.67779 | -0.11339 | 49.58339 | 45.21276 | 11.42158 | 30.78842 |
| 4/3/2025 | 3:00:00 PM | 33.8079 | 52.97583 | 19.16793 | 28.21207 | 36.77971 | 2.97181 | 45.36819 | 33.67779 | -0.13011 | 49.60011 | 45.2199 | 11.412 | 30.798 |
| 4/3/2025 | 4:00:00 PM | 33.78784 | 52.97583 | 19.18799 | 28.19201 | 36.79045 | 3.00261 | 45.33739 | 33.68505 | -0.10279 | 49.57279 | 45.2199 | 11.43206 | 30.77794 |
| 4/3/2025 | 5:00:00 PM | 33.78115 | 52.97941 | 19.19826 | 28.18174 | 36.79761 | 3.01646 | 45.32354 | 33.69232 | -0.08883 | 49.55883 | 45.23061 | 11.44946 | 30.76054 |
| 4/3/2025 | 6:00:00 PM | 33.78115 | 52.98656 | 19.20541 | 28.17459 | 36.80834 | 3.02719 | 45.31281 | 33.69596 | -0.08519 | 49.55519 | 45.24847 | 11.46732 | 30.74268 |
| 4/3/2025 | 7:00:00 PM | 33.77446 | 52.99729 | 19.22283 | 28.15717 | 36.81908 | 3.04462 | 45.29538 | 33.70323 | -0.07123 | 49.54123 | 45.2699 | 11.49544 | 30.71456 |
| 4/3/2025 | 8:00:00 PM | 33.77446 | 53.01517 | 19.24071 | 28.13929 | 36.82982 | 3.05536 | 45.28464 | 33.71049 | -0.06397 | 49.53397 | 45.30561 | 11.53115 | 30.67885 |
| 4/3/2025 | 9:00:00 PM | 33.76443 | 53.03663 | 19.2722 | 28.1078 | 36.82982 | 3.06539 | 45.27461 | 33.7323 | -0.03213 | 49.50213 | 45.34489 | 11.58046 | 30.62954 |
| 4/3/2025 | 10:00:00 PM | 33.76443 | 53.0402 | 19.27577 | 28.10423 | 36.83698 | 3.07255 | 45.26745 | 33.7432 | -0.02123 | 49.49123 | 45.39846 | 11.63403 | 30.57597 |
| 4/3/2025 | 11:00:00 PM | 33.81124 | 53.08312 | 19.27188 | 28.10812 | 36.84772 | 3.03648 | 45.30352 | 33.77591 | -0.03533 | 49.50533 | 45.4806 | 11.66936 | 30.54064 |
| 4/4/2025 | 12:00:00 AM | 33.82462 | 53.10457 | 19.27995 | 28.10005 | 36.85846 | 3.03384 | 45.30616 | 33.79771 | -0.02691 | 49.49691 | 45.51989 | 11.69527 | 30.51473 |
| 4/4/2025 | 1:00:00 AM | 33.85806 | 53.12603 | 19.26797 | 28.11203 | 36.86562 | 3.00756 | 45.33244 | 33.81588 | -0.04218 | 49.51218 | 45.56274 | 11.70468 | 30.50532 |
| 4/4/2025 | 2:00:00 AM | 33.88481 | 53.14391 | 19.2591 | 28.1209 | 36.88709 | 3.00228 | 45.33772 | 33.83406 | -0.05075 | 49.52075 | 45.58417 | 11.69936 | 30.51064 |
| 4/4/2025 | 3:00:00 AM | 33.87144 | 53.15106 | 19.27962 | 28.10038 | 36.89425 | 3.02281 | 45.31719 | 33.84859 | -0.02285 | 49.49285 | 45.59846 | 11.72702 | 30.48298 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/4/2025 | 4:00:00 AM | 33.88481 | 53.15821 | 19.2734 | 28.1066 | 36.90141 | 3.0166 | 45.3234 | 33.84859 | -0.03622 | 49.50622 | 45.60917 | 11.72436 | 30.48564 |
| 4/4/2025 | 5:00:00 AM | 33.90822 | 53.17252 | 19.2643 | 28.1157 | 36.91931 | 3.01109 | 45.32891 | 33.86676 | -0.04146 | 49.51146 | 45.6306 | 11.72238 | 30.48762 |
| 4/4/2025 | 6:00:00 AM | 33.90822 | 53.17967 | 19.27145 | 28.10855 | 36.93363 | 3.02541 | 45.31459 | 33.87403 | -0.03419 | 49.50419 | 45.64846 | 11.74024 | 30.46976 |
| 4/4/2025 | 7:00:00 AM | 33.92828 | 53.19755 | 19.26927 | 28.11073 | 36.94079 | 3.01251 | 45.32749 | 33.89584 | -0.03244 | 49.50244 | 45.67703 | 11.74875 | 30.46125 |
| 4/4/2025 | 8:00:00 AM | 33.92828 | 53.19755 | 19.26927 | 28.11073 | 36.95868 | 3.0304 | 45.3096 | 33.89584 | -0.03244 | 49.50244 | 45.66274 | 11.73446 | 30.47554 |
| 4/4/2025 | 9:00:00 AM | 33.93832 | 53.19755 | 19.25923 | 28.12077 | 36.96226 | 3.02394 | 45.31606 | 33.91037 | -0.02795 | 49.49795 | 45.66631 | 11.72799 | 30.48201 |
| 4/4/2025 | 10:00:00 AM | 33.945 | 53.19397 | 19.24897 | 28.13103 | 36.98016 | 3.03516 | 45.30484 | 33.91401 | -0.03099 | 49.50099 | 45.65917 | 11.71417 | 30.49583 |
| 4/4/2025 | 11:00:00 AM | 33.95169 | 53.18682 | 19.23513 | 28.14487 | 36.98016 | 3.02847 | 45.31153 | 33.90674 | -0.04495 | 49.51495 | 45.64488 | 11.69319 | 30.51681 |
| 4/4/2025 | 12:00:00 PM | 33.945 | 53.14033 | 19.19533 | 28.18467 | 36.9909 | 3.0459 | 45.2941 | 33.91037 | -0.03463 | 49.50463 | 45.59846 | 11.65346 | 30.55654 |
| 4/4/2025 | 1:00:00 PM | 33.96841 | 53.13676 | 19.16835 | 28.21165 | 37.00522 | 3.03681 | 45.30319 | 33.91037 | -0.05804 | 49.52804 | 45.56989 | 11.60148 | 30.60852 |
| 4/4/2025 | 2:00:00 PM | 34.03864 | 53.12603 | 19.08739 | 28.29261 | 37.01238 | 2.97374 | 45.36626 | 33.89947 | -0.13917 | 49.60917 | 45.52346 | 11.48482 | 30.72518 |
| 4/4/2025 | 3:00:00 PM | 34.04532 | 53.1153 | 19.06998 | 28.31002 | 37.0267 | 2.98138 | 45.35862 | 33.89947 | -0.14585 | 49.61585 | 45.50203 | 11.45671 | 30.75329 |
| 4/4/2025 | 4:00:00 PM | 34.0286 | 53.101 | 19.0724 | 28.3076 | 37.0267 | 2.9981 | 45.3419 | 33.88493 | -0.14367 | 49.61367 | 45.48775 | 11.45915 | 30.75085 |
| 4/4/2025 | 5:00:00 PM | 34.02192 | 53.101 | 19.07908 | 28.30092 | 37.03743 | 3.01551 | 45.32449 | 33.8813 | -0.14062 | 49.61062 | 45.40918 | 11.38726 | 30.82274 |
| 4/4/2025 | 6:00:00 PM | 34.01188 | 53.07954 | 19.06766 | 28.31234 | 37.04101 | 3.02913 | 45.31087 | 33.8704 | -0.14148 | 49.61148 | 45.36275 | 11.35087 | 30.85913 |
| 4/4/2025 | 7:00:00 PM | 33.98848 | 53.06524 | 19.07676 | 28.30324 | 37.04101 | 3.05253 | 45.28747 | 33.85586 | -0.13262 | 49.60262 | 45.34132 | 11.35284 | 30.85716 |
| 4/4/2025 | 8:00:00 PM | 33.9751 | 53.05808 | 19.08298 | 28.29702 | 37.04459 | 3.06949 | 45.27051 | 33.84496 | -0.13014 | 49.60014 | 45.33061 | 11.35551 | 30.85449 |
| 4/4/2025 | 9:00:00 PM | 33.97176 | 53.07239 | 19.10063 | 28.27937 | 37.04817 | 3.07641 | 45.26359 | 33.84859 | -0.12317 | 49.59317 | 45.34132 | 11.36956 | 30.84044 |
| 4/4/2025 | 10:00:00 PM | 33.97176 | 53.09384 | 19.12208 | 28.25792 | 37.04817 | 3.07641 | 45.26359 | 33.86313 | -0.10863 | 49.57863 | 45.37347 | 11.40171 | 30.80829 |
| 4/4/2025 | 11:00:00 PM | 33.96507 | 53.10815 | 19.14308 | 28.23692 | 37.05533 | 3.09026 | 45.24974 | 33.86313 | -0.10194 | 49.57194 | 45.36632 | 11.40125 | 30.80875 |
| 4/5/2025 | 12:00:00 AM | 33.95169 | 53.10457 | 19.15288 | 28.22712 | 37.06249 | 3.1108 | 45.2292 | 33.87403 | -0.07766 | 49.54766 | 45.35204 | 11.40035 | 30.80965 |
| 4/5/2025 | 1:00:00 AM | 33.94835 | 53.10457 | 19.15622 | 28.22378 | 37.06249 | 3.11414 | 45.22586 | 33.86676 | -0.08159 | 49.55159 | 45.33418 | 11.38583 | 30.82417 |
| 4/5/2025 | 2:00:00 AM | 33.93832 | 53.10815 | 19.16983 | 28.21017 | 37.06249 | 3.12417 | 45.21583 | 33.86676 | -0.07156 | 49.54156 | 45.3199 | 11.38158 | 30.82842 |
| 4/5/2025 | 3:00:00 AM | 33.92828 | 53.10815 | 19.17987 | 28.20013 | 37.06249 | 3.13421 | 45.20579 | 33.86676 | -0.06152 | 49.53152 | 45.30918 | 11.3809 | 30.8291 |
| 4/5/2025 | 4:00:00 AM | 33.93163 | 53.11888 | 19.18725 | 28.19275 | 37.06607 | 3.13444 | 45.20556 | 33.86313 | -0.0685 | 49.5385 | 45.30204 | 11.37041 | 30.83959 |
| 4/5/2025 | 5:00:00 AM | 33.91825 | 53.101 | 19.18275 | 28.19725 | 37.06965 | 3.1514 | 45.1886 | 33.86313 | -0.05512 | 49.52512 | 45.27347 | 11.35522 | 30.85478 |
| 4/5/2025 | 6:00:00 AM | 33.91156 | 53.10457 | 19.19301 | 28.18699 | 37.07323 | 3.16167 | 45.17833 | 33.85949 | -0.05207 | 49.52207 | 45.25561 | 11.34405 | 30.86595 |
| 4/5/2025 | 7:00:00 AM | 33.90488 | 53.10815 | 19.20327 | 28.17673 | 37.07681 | 3.17193 | 45.16807 | 33.85949 | -0.04539 | 49.51539 | 45.2449 | 11.34002 | 30.86998 |
| 4/5/2025 | 8:00:00 AM | 33.89819 | 53.10457 | 19.20638 | 28.17362 | 37.07681 | 3.17862 | 45.16138 | 33.85949 | -0.0387 | 49.5087 | 45.22704 | 11.32885 | 30.88115 |
| 4/5/2025 | 9:00:00 AM | 33.91491 | 53.10815 | 19.19324 | 28.18676 | 37.07681 | 3.1619 | 45.1781 | 33.85586 | -0.05905 | 49.52905 | 45.17347 | 11.25856 | 30.95144 |
| 4/5/2025 | 10:00:00 AM | 33.92828 | 53.11172 | 19.18344 | 28.19656 | 37.08397 | 3.15569 | 45.18431 | 33.86313 | -0.06515 | 49.53515 | 45.09847 | 11.17019 | 31.03981 |
| 4/5/2025 | 11:00:00 AM | 33.94166 | 53.10457 | 19.16291 | 28.21709 | 37.07681 | 3.13515 | 45.20485 | 33.85949 | -0.08217 | 49.55217 | 45.00205 | 11.06039 | 31.14961 |
| 4/5/2025 | 12:00:00 PM | 33.95504 | 53.101 | 19.14596 | 28.23404 | 37.08755 | 3.13251 | 45.20749 | 33.85223 | -0.10281 | 49.57281 | 44.90562 | 10.95058 | 31.25942 |
| 4/5/2025 | 1:00:00 PM | 33.96841 | 53.06881 | 19.1004 | 28.2796 | 37.09113 | 3.12272 | 45.21728 | 33.84132 | -0.12709 | 49.59709 | 44.7592 | 10.79079 | 31.41921 |
| 4/5/2025 | 2:00:00 PM | 34.00185 | 53.04736 | 19.04551 | 28.33449 | 37.07681 | 3.07496 | 45.26504 | 33.81952 | -0.18233 | 49.65233 | 44.68777 | 10.68592 | 31.52408 |
| 4/5/2025 | 3:00:00 PM | 34.01523 | 53.02947 | 19.01424 | 28.36576 | 37.09113 | 3.0759 | 45.2641 | 33.80498 | -0.21025 | 49.68025 | 44.67349 | 10.65826 | 31.55174 |
| 4/5/2025 | 4:00:00 PM | 33.99182 | 53.02232 | 19.0305 | 28.3495 | 37.07681 | 3.08499 | 45.25501 | 33.79408 | -0.19774 | 49.66774 | 44.65206 | 10.66024 | 31.54976 |
| 4/5/2025 | 5:00:00 PM | 33.95504 | 52.95795 | 19.00291 | 28.37709 | 37.08039 | 3.12535 | 45.21465 | 33.78318 | -0.17186 | 49.64186 | 44.65206 | 10.69702 | 31.51298 |
| 4/5/2025 | 6:00:00 PM | 33.94166 | 52.93292 | 18.99126 | 28.38874 | 37.07681 | 3.13515 | 45.20485 | 33.76501 | -0.17665 | 49.64665 | 44.63063 | 10.68897 | 31.52103 |
| 4/5/2025 | 7:00:00 PM | 33.9216 | 52.92935 | 19.00775 | 28.37225 | 37.06965 | 3.14805 | 45.19195 | 33.76501 | -0.15659 | 49.62659 | 44.61278 | 10.69118 | 31.51882 |
| 4/5/2025 | 8:00:00 PM | 33.89819 | 52.92219 | 19.024 | 28.356 | 37.07681 | 3.17862 | 45.16138 | 33.74684 | -0.15135 | 49.62135 | 44.60921 | 10.71102 | 31.49898 |
| 4/5/2025 | 9:00:00 PM | 33.88481 | 52.94007 | 19.05526 | 28.32474 | 37.05891 | 3.1741 | 45.1659 | 33.75047 | -0.13434 | 49.60434 | 44.60563 | 10.72082 | 31.48918 |
| 4/5/2025 | 10:00:00 PM | 33.86809 | 52.93292 | 19.06483 | 28.31517 | 37.06607 | 3.19798 | 45.14202 | 33.7432 | -0.12489 | 49.59489 | 44.60563 | 10.73754 | 31.47246 |
| 4/5/2025 | 11:00:00 PM | 33.86475 | 52.93292 | 19.06817 | 28.31183 | 37.05891 | 3.19416 | 45.14584 | 33.7432 | -0.12155 | 49.59155 | 44.58778 | 10.72303 | 31.48697 |
| 4/6/2025 | 12:00:00 AM | 33.87144 | 52.94723 | 19.07579 | 28.30421 | 37.05533 | 3.18389 | 45.15611 | 33.75047 | -0.12097 | 49.59097 | 44.58421 | 10.71277 | 31.49723 |
| 4/6/2025 | 1:00:00 AM | 33.86475 | 52.94723 | 19.08248 | 28.29752 | 37.05175 | 3.187 | 45.153 | 33.7432 | -0.12155 | 49.59155 | 44.59135 | 10.7266 | 31.4834 |
| 4/6/2025 | 2:00:00 AM | 33.85137 | 52.94007 | 19.0887 | 28.2913 | 37.04459 | 3.19322 | 45.14678 | 33.73957 | -0.1118 | 49.5818 | 44.58421 | 10.73284 | 31.47716 |
| 4/6/2025 | 3:00:00 AM | 33.84468 | 52.9365 | 19.09182 | 28.28818 | 37.04459 | 3.19991 | 45.14009 | 33.73957 | -0.10511 | 49.57511 | 44.57706 | 10.73238 | 31.47762 |
| 4/6/2025 | 4:00:00 AM | 33.85137 | 52.96153 | 19.11016 | 28.26984 | 37.03743 | 3.18606 | 45.15394 | 33.74684 | -0.10453 | 49.57453 | 44.58778 | 10.73641 | 31.47359 |
| 4/6/2025 | 5:00:00 AM | 33.8614 | 52.96868 | 19.10728 | 28.27272 | 37.03385 | 3.17245 | 45.16755 | 33.75047 | -0.11093 | 49.58093 | 44.58063 | 10.71923 | 31.49077 |
| 4/6/2025 | 6:00:00 AM | 33.838 | 52.93292 | 19.09492 | 28.28508 | 37.03385 | 3.19585 | 45.14415 | 33.72866 | -0.10934 | 49.57934 | 44.56992 | 10.73192 | 31.47808 |
| 4/6/2025 | 7:00:00 AM | 33.82128 | 52.91862 | 19.09734 | 28.28266 | 37.03385 | 3.21257 | 45.12743 | 33.71049 | -0.11079 | 49.58079 | 44.55921 | 10.73793 | 31.47207 |
| 4/6/2025 | 8:00:00 AM | 33.80456 | 52.90074 | 19.09618 | 28.28382 | 37.03385 | 3.22929 | 45.11071 | 33.69959 | -0.10497 | 49.57497 | 44.54135 | 10.73679 | 31.47321 |
| 4/6/2025 | 9:00:00 AM | 33.80456 | 52.88286 | 19.0783 | 28.3017 | 37.0267 | 3.22214 | 45.11786 | 33.68142 | -0.12314 | 49.59314 | 44.53778 | 10.73322 | 31.47678 |
| 4/6/2025 | 10:00:00 AM | 33.79452 | 52.85782 | 19.0633 | 28.3167 | 37.0267 | 3.23218 | 45.10782 | 33.66688 | -0.12764 | 49.59764 | 44.52707 | 10.73255 | 31.47745 |
| 4/6/2025 | 11:00:00 AM | 33.79118 | 52.83994 | 19.04876 | 28.33124 | 37.01238 | 3.2212 | 45.1188 | 33.64871 | -0.14247 | 49.61247 | 44.48064 | 10.68946 | 31.52054 |
| 4/6/2025 | 12:00:00 PM | 33.79787 | 52.83994 | 19.04207 | 28.33793 | 37.01238 | 3.21451 | 45.12549 | 33.63418 | -0.16369 | 49.63369 | 44.49849 | 10.70062 | 31.50938 |
| 4/6/2025 | 1:00:00 PM | 33.7778 | 52.83279 | 19.05499 | 28.32501 | 36.99806 | 3.22026 | 45.11974 | 33.62691 | -0.15089 | 49.62089 | 44.48421 | 10.70641 | 31.50359 |
| 4/6/2025 | 2:00:00 PM | 33.78784 | 52.85782 | 19.06998 | 28.31002 | 37.00164 | 3.2138 | 45.1262 | 33.63781 | -0.15003 | 49.62003 | 44.48064 | 10.6928 | 31.5172 |
| 4/6/2025 | 3:00:00 PM | 33.77446 | 52.84352 | 19.06906 | 28.31094 | 36.99448 | 3.22002 | 45.11998 | 33.62327 | -0.15119 | 49.62119 | 44.48064 | 10.70618 | 31.50382 |
| 4/6/2025 | 4:00:00 PM | 33.76108 | 52.83279 | 19.07171 | 28.30829 | 36.98016 | 3.21908 | 45.12092 | 33.6051 | -0.15598 | 49.62598 | 44.45207 | 10.69099 | 31.51901 |
| 4/6/2025 | 5:00:00 PM | 33.7544 | 52.81491 | 19.06051 | 28.31949 | 36.97658 | 3.22218 | 45.11782 | 33.58693 | -0.16747 | 49.63747 | 44.42707 | 10.67267 | 31.53733 |
| 4/6/2025 | 6:00:00 PM | 33.74102 | 52.79345 | 19.05243 | 28.32757 | 36.97658 | 3.23556 | 45.10444 | 33.56876 | -0.17226 | 49.64226 | 44.41278 | 10.67176 | 31.53824 |
| 4/6/2025 | 7:00:00 PM | 33.73768 | 52.772 | 19.03432 | 28.34568 | 36.96226 | 3.22458 | 45.11542 | 33.55059 | -0.18709 | 49.65709 | 44.44493 | 10.70725 | 31.50275 |
| 4/6/2025 | 8:00:00 PM | 33.71761 | 52.75054 | 19.03293 | 28.34707 | 36.95153 | 3.23392 | 45.10608 | 33.52879 | -0.18882 | 49.65882 | 44.46992 | 10.75231 | 31.45769 |
| 4/6/2025 | 9:00:00 PM | 33.72096 | 52.75054 | 19.02958 | 28.35042 | 36.94437 | 3.22341 | 45.11659 | 33.52515 | -0.19581 | 49.66581 | 44.46992 | 10.74896 | 31.46104 |
| 4/6/2025 | 10:00:00 PM | 33.71761 | 52.75054 | 19.03293 | 28.34707 | 36.93363 | 3.21602 | 45.12398 | 33.51425 | -0.20336 | 49.67336 | 44.57349 | 10.85588 | 31.35412 |
| 4/6/2025 | 11:00:00 PM | 33.71761 | 52.75769 | 19.04008 | 28.33992 | 36.92647 | 3.20886 | 45.13114 | 33.50698 | -0.21063 | 49.68063 | 44.59492 | 10.87731 | 31.33269 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/7/2025 | 12:00:00 AM | 33.72096 | 52.76485 | 19.04389 | 28.33611 | 36.91573 | 3.19477 | 45.14523 | 33.50698 | -0.21398 | 49.68398 | 44.60921 | 10.88825 | 31.32175 |
| 4/7/2025 | 1:00:00 AM | 33.70758 | 52.75054 | 19.04296 | 28.33704 | 36.90857 | 3.20099 | 45.13901 | 33.49971 | -0.20787 | 49.67787 | 44.58778 | 10.8802 | 31.3298 |
| 4/7/2025 | 2:00:00 AM | 33.70424 | 52.73624 | 19.032 | 28.348 | 36.90141 | 3.19717 | 45.14283 | 33.47791 | -0.22633 | 49.69633 | 44.54492 | 10.84068 | 31.36932 |
| 4/7/2025 | 3:00:00 AM | 33.69086 | 52.72551 | 19.03465 | 28.34535 | 36.88709 | 3.19623 | 45.14377 | 33.45974 | -0.23112 | 49.70112 | 44.50564 | 10.81478 | 31.39522 |
| 4/7/2025 | 4:00:00 AM | 33.68083 | 52.71478 | 19.03395 | 28.34605 | 36.87278 | 3.19195 | 45.14805 | 33.45247 | -0.22836 | 49.69836 | 44.48778 | 10.80695 | 31.40305 |
| 4/7/2025 | 5:00:00 AM | 33.67748 | 52.71121 | 19.03373 | 28.34627 | 36.87636 | 3.19888 | 45.14112 | 33.4343 | -0.24318 | 49.71318 | 44.48064 | 10.80316 | 31.40684 |
| 4/7/2025 | 6:00:00 AM | 33.67414 | 52.71121 | 19.03707 | 28.34293 | 36.86204 | 3.1879 | 45.1521 | 33.4343 | -0.23984 | 49.70984 | 44.46278 | 10.78864 | 31.42136 |
| 4/7/2025 | 7:00:00 AM | 33.6708 | 52.70763 | 19.03683 | 28.34317 | 36.8513 | 3.1805 | 45.1595 | 33.41976 | -0.25104 | 49.72104 | 44.45564 | 10.78484 | 31.42516 |
| 4/7/2025 | 8:00:00 AM | 33.6708 | 52.70405 | 19.03325 | 28.34675 | 36.84772 | 3.17692 | 45.16308 | 33.41613 | -0.25467 | 49.72467 | 44.44135 | 10.77055 | 31.43945 |
| 4/7/2025 | 9:00:00 AM | 33.67748 | 52.70048 | 19.023 | 28.357 | 36.83698 | 3.1595 | 45.1805 | 33.41249 | -0.26499 | 49.73499 | 44.4485 | 10.77102 | 31.43898 |
| 4/7/2025 | 10:00:00 AM | 33.6942 | 52.71478 | 19.02058 | 28.35942 | 36.82982 | 3.13562 | 45.20438 | 33.41613 | -0.27807 | 49.74807 | 44.46278 | 10.76858 | 31.44142 |
| 4/7/2025 | 11:00:00 AM | 33.6942 | 52.71478 | 19.02058 | 28.35942 | 36.82266 | 3.12846 | 45.21154 | 33.40522 | -0.28898 | 49.75898 | 44.45564 | 10.76144 | 31.44856 |
| 4/7/2025 | 12:00:00 PM | 33.69755 | 52.71121 | 19.01366 | 28.36634 | 36.81192 | 3.11437 | 45.22563 | 33.40522 | -0.29233 | 49.76233 | 44.43778 | 10.74023 | 31.46977 |
| 4/7/2025 | 1:00:00 PM | 33.69755 | 52.68617 | 18.98862 | 28.39138 | 36.80476 | 3.10721 | 45.23279 | 33.39432 | -0.30323 | 49.77323 | 44.40207 | 10.70452 | 31.50548 |
| 4/7/2025 | 2:00:00 PM | 33.70424 | 52.67902 | 18.97478 | 28.40522 | 36.79045 | 3.08621 | 45.25379 | 33.38705 | -0.31719 | 49.78719 | 44.36993 | 10.66569 | 31.54431 |
| 4/7/2025 | 3:00:00 PM | 33.70424 | 52.6969 | 18.99266 | 28.38734 | 36.78329 | 3.07905 | 45.26095 | 33.37979 | -0.32445 | 49.79445 | 44.43421 | 10.72997 | 31.48003 |
| 4/7/2025 | 4:00:00 PM | 33.6942 | 52.69332 | 18.99912 | 28.38088 | 36.77971 | 3.08551 | 45.25449 | 33.39432 | -0.29988 | 49.76988 | 44.48064 | 10.78644 | 31.42356 |
| 4/7/2025 | 5:00:00 PM | 33.70089 | 52.71478 | 19.01389 | 28.36611 | 36.77613 | 3.07524 | 45.26476 | 33.40522 | -0.29567 | 49.76567 | 44.50564 | 10.80475 | 31.40525 |
| 4/7/2025 | 6:00:00 PM | 33.70424 | 52.75054 | 19.0463 | 28.3337 | 36.77255 | 3.06831 | 45.27169 | 33.41976 | -0.28448 | 49.75448 | 44.56992 | 10.86568 | 31.34432 |
| 4/7/2025 | 7:00:00 PM | 33.71427 | 52.76485 | 19.05058 | 28.32942 | 36.76539 | 3.05112 | 45.28888 | 33.42703 | -0.28724 | 49.75724 | 44.58421 | 10.86994 | 31.34006 |
| 4/7/2025 | 8:00:00 PM | 33.70089 | 52.76485 | 19.06396 | 28.31604 | 36.76539 | 3.0645 | 45.2755 | 33.43066 | -0.27023 | 49.74023 | 44.58421 | 10.88332 | 31.32668 |
| 4/7/2025 | 9:00:00 PM | 33.70758 | 52.78273 | 19.07515 | 28.30485 | 36.75465 | 3.04707 | 45.29293 | 33.4343 | -0.27328 | 49.74328 | 44.61635 | 10.90877 | 31.30123 |
| 4/7/2025 | 10:00:00 PM | 33.71761 | 52.80776 | 19.09015 | 28.28985 | 36.76181 | 3.0442 | 45.2958 | 33.45247 | -0.26514 | 49.73514 | 44.67349 | 10.95588 | 31.25412 |
| 4/7/2025 | 11:00:00 PM | 33.72096 | 52.82206 | 19.1011 | 28.2789 | 36.75823 | 3.03727 | 45.30273 | 33.46337 | -0.25759 | 49.72759 | 44.69849 | 10.97753 | 31.23247 |
| 4/8/2025 | 12:00:00 AM | 33.7243 | 52.83279 | 19.10849 | 28.27151 | 36.75823 | 3.03393 | 45.30607 | 33.46701 | -0.25729 | 49.72729 | 44.71992 | 10.99562 | 31.21438 |
| 4/8/2025 | 1:00:00 AM | 33.71761 | 52.83994 | 19.12233 | 28.25767 | 36.76181 | 3.0442 | 45.2958 | 33.47427 | -0.24334 | 49.71334 | 44.72349 | 11.00588 | 31.20412 |
| 4/8/2025 | 2:00:00 AM | 33.71092 | 52.83994 | 19.12902 | 28.25098 | 36.75823 | 3.04731 | 45.29269 | 33.48154 | -0.22938 | 49.69938 | 44.7342 | 11.02328 | 31.18672 |
| 4/8/2025 | 3:00:00 AM | 33.71427 | 52.83637 | 19.1221 | 28.2579 | 36.75465 | 3.04038 | 45.29962 | 33.47791 | -0.23636 | 49.70636 | 44.73063 | 11.01636 | 31.19364 |
| 4/8/2025 | 4:00:00 AM | 33.71761 | 52.84352 | 19.12591 | 28.25409 | 36.76539 | 3.04778 | 45.29222 | 33.48154 | -0.23607 | 49.70607 | 44.73777 | 11.02016 | 31.18984 |
| 4/8/2025 | 5:00:00 AM | 33.70758 | 52.83637 | 19.12879 | 28.25121 | 36.75823 | 3.05065 | 45.28935 | 33.47791 | -0.22967 | 49.69967 | 44.73063 | 11.02305 | 31.18695 |
| 4/8/2025 | 6:00:00 AM | 33.70758 | 52.84352 | 19.13594 | 28.24406 | 36.76539 | 3.05781 | 45.28219 | 33.47064 | -0.23694 | 49.70694 | 44.7092 | 11.00162 | 31.20838 |
| 4/8/2025 | 7:00:00 AM | 33.71092 | 52.83637 | 19.12545 | 28.25455 | 36.76181 | 3.05089 | 45.28911 | 33.47427 | -0.23665 | 49.70665 | 44.72349 | 11.01257 | 31.19743 |
| 4/8/2025 | 8:00:00 AM | 33.71092 | 52.85067 | 19.13975 | 28.24025 | 36.76181 | 3.05089 | 45.28911 | 33.46701 | -0.24391 | 49.71391 | 44.72706 | 11.01614 | 31.19386 |
| 4/8/2025 | 9:00:00 AM | 33.70424 | 52.82922 | 19.12498 | 28.25502 | 36.76897 | 3.06473 | 45.27527 | 33.46337 | -0.24087 | 49.71087 | 44.6842 | 10.97996 | 31.23004 |
| 4/8/2025 | 10:00:00 AM | 33.69755 | 52.80776 | 19.11021 | 28.26979 | 36.76539 | 3.06784 | 45.27216 | 33.4452 | -0.25235 | 49.72235 | 44.65206 | 10.95451 | 31.25549 |
| 4/8/2025 | 11:00:00 AM | 33.70089 | 52.80418 | 19.10329 | 28.27671 | 36.77255 | 3.07166 | 45.26834 | 33.4452 | -0.25569 | 49.72569 | 44.64849 | 10.9476 | 31.2624 |
| 4/8/2025 | 12:00:00 PM | 33.71092 | 52.82206 | 19.11114 | 28.26886 | 36.76897 | 3.05805 | 45.28195 | 33.4452 | -0.26572 | 49.73572 | 44.66277 | 10.95185 | 31.25815 |
| 4/8/2025 | 1:00:00 PM | 33.71427 | 52.82564 | 19.11137 | 28.26863 | 36.76181 | 3.04754 | 45.29246 | 33.4452 | -0.26907 | 49.73907 | 44.65563 | 10.94136 | 31.26864 |
| 4/8/2025 | 2:00:00 PM | 33.73433 | 52.80776 | 19.07343 | 28.30657 | 36.76539 | 3.03106 | 45.30894 | 33.44883 | -0.2855 | 49.7555 | 44.66277 | 10.92844 | 31.28156 |
| 4/8/2025 | 3:00:00 PM | 33.7243 | 52.81491 | 19.09061 | 28.28939 | 36.75823 | 3.03393 | 45.30607 | 33.4452 | -0.2791 | 49.7491 | 44.66635 | 10.94205 | 31.26795 |
| 4/8/2025 | 4:00:00 PM | 33.73433 | 52.81849 | 19.08416 | 28.29584 | 36.75107 | 3.01674 | 45.32326 | 33.44883 | -0.2855 | 49.7555 | 44.66277 | 10.92844 | 31.28156 |
| 4/8/2025 | 5:00:00 PM | 33.74771 | 52.85425 | 19.10654 | 28.27346 | 36.75823 | 3.01052 | 45.32948 | 33.47064 | -0.27707 | 49.74707 | 44.73777 | 10.99006 | 31.21994 |
| 4/8/2025 | 6:00:00 PM | 33.75105 | 52.8757 | 19.12465 | 28.25535 | 36.76181 | 3.01076 | 45.32924 | 33.48518 | -0.26587 | 49.73587 | 44.77349 | 11.02244 | 31.18756 |
| 4/8/2025 | 7:00:00 PM | 33.73768 | 52.8471 | 19.10942 | 28.27058 | 36.75823 | 3.02055 | 45.31945 | 33.50698 | -0.2307 | 49.7007 | 44.8342 | 11.09652 | 31.11348 |
| 4/8/2025 | 8:00:00 PM | 33.74771 | 52.87928 | 19.13157 | 28.24843 | 36.75465 | 3.00694 | 45.33306 | 33.52515 | -0.22256 | 49.69256 | 44.88777 | 11.14006 | 31.06994 |
| 4/8/2025 | 9:00:00 PM | 33.76443 | 52.92219 | 19.15776 | 28.22224 | 36.76181 | 2.99738 | 45.34262 | 33.54696 | -0.21747 | 49.68747 | 44.95919 | 11.19476 | 31.01524 |
| 4/8/2025 | 10:00:00 PM | 33.7778 | 52.9508 | 19.173 | 28.207 | 36.76897 | 2.99117 | 45.34883 | 33.57966 | -0.19814 | 49.66814 | 45.01991 | 11.24211 | 30.96789 |
| 4/8/2025 | 11:00:00 PM | 33.78784 | 52.97226 | 19.18442 | 28.19558 | 36.77971 | 2.99187 | 45.34813 | 33.60147 | -0.18637 | 49.65637 | 45.05205 | 11.26421 | 30.94579 |
| 4/9/2025 | 12:00:00 AM | 33.78784 | 52.99729 | 19.20945 | 28.17055 | 36.77971 | 2.99187 | 45.34813 | 33.62691 | -0.16093 | 49.63093 | 45.0949 | 11.30706 | 30.90294 |
| 4/9/2025 | 1:00:00 AM | 33.80456 | 53.02232 | 19.21776 | 28.16224 | 36.79761 | 2.99305 | 45.34695 | 33.64144 | -0.16312 | 49.63312 | 45.13419 | 11.32963 | 30.88037 |
| 4/9/2025 | 2:00:00 AM | 33.8079 | 53.0402 | 19.2323 | 28.1477 | 36.80118 | 2.99328 | 45.34672 | 33.66325 | -0.14465 | 49.61465 | 45.17347 | 11.36557 | 30.84443 |
| 4/9/2025 | 3:00:00 AM | 33.81793 | 53.07239 | 19.25446 | 28.12554 | 36.81192 | 2.99399 | 45.34601 | 33.67779 | -0.14014 | 49.61014 | 45.20918 | 11.39125 | 30.81875 |
| 4/9/2025 | 4:00:00 AM | 33.82128 | 53.09027 | 19.26899 | 28.11101 | 36.8155 | 2.99422 | 45.34578 | 33.70323 | -0.11805 | 49.58805 | 45.24847 | 11.42719 | 30.78281 |
| 4/9/2025 | 5:00:00 AM | 33.81124 | 53.07239 | 19.26115 | 28.11885 | 36.82982 | 3.01858 | 45.32142 | 33.72503 | -0.08621 | 49.55621 | 45.30561 | 11.49437 | 30.71563 |
| 4/9/2025 | 6:00:00 AM | 33.82128 | 53.08312 | 19.26184 | 28.11816 | 36.84414 | 3.02286 | 45.31714 | 33.73957 | -0.08171 | 49.55171 | 45.33418 | 11.5129 | 30.6971 |
| 4/9/2025 | 7:00:00 AM | 33.82128 | 53.10457 | 19.28329 | 28.09671 | 36.85488 | 3.0336 | 45.3064 | 33.75047 | -0.07081 | 49.54081 | 45.35561 | 11.53433 | 30.67567 |
| 4/9/2025 | 8:00:00 AM | 33.83465 | 53.1153 | 19.28065 | 28.09935 | 36.8692 | 3.03455 | 45.30545 | 33.76864 | -0.06601 | 49.53601 | 45.38418 | 11.54953 | 30.66047 |
| 4/9/2025 | 9:00:00 AM | 33.83465 | 53.12603 | 19.29138 | 28.08862 | 36.88351 | 3.04886 | 45.29114 | 33.77954 | -0.05511 | 49.52511 | 45.39846 | 11.56381 | 30.64619 |
| 4/9/2025 | 10:00:00 AM | 33.85137 | 53.14391 | 19.29254 | 28.08746 | 36.90499 | 3.05362 | 45.28638 | 33.78681 | -0.06456 | 49.53456 | 45.43418 | 11.58281 | 30.62719 |
| 4/9/2025 | 11:00:00 AM | 33.8614 | 53.15106 | 19.28966 | 28.09034 | 36.90499 | 3.04359 | 45.29641 | 33.80498 | -0.05642 | 49.52642 | 45.44489 | 11.58349 | 30.62651 |
| 4/9/2025 | 12:00:00 PM | 33.88147 | 53.16179 | 19.28032 | 28.09968 | 36.91931 | 3.03784 | 45.30216 | 33.81225 | -0.06922 | 49.53922 | 45.44489 | 11.56342 | 30.64658 |
| 4/9/2025 | 1:00:00 PM | 33.88481 | 53.13676 | 19.25195 | 28.12805 | 36.92289 | 3.03808 | 45.30192 | 33.81225 | -0.07256 | 49.54256 | 45.40561 | 11.5208 | 30.6892 |
| 4/9/2025 | 2:00:00 PM | 33.93497 | 53.13318 | 19.19821 | 28.18179 | 36.94079 | 3.00582 | 45.33418 | 33.80862 | -0.12635 | 49.59635 | 45.36632 | 11.43135 | 30.77865 |
| 4/9/2025 | 3:00:00 PM | 33.93832 | 53.10457 | 19.16625 | 28.21375 | 36.94795 | 3.00963 | 45.33037 | 33.79408 | -0.14424 | 49.61424 | 45.34847 | 11.41015 | 30.79985 |
| 4/9/2025 | 4:00:00 PM | 33.9216 | 53.11172 | 19.19012 | 28.18988 | 36.95868 | 3.03708 | 45.30292 | 33.80135 | -0.12025 | 49.59025 | 45.34132 | 11.41972 | 30.79028 |
| 4/9/2025 | 5:00:00 PM | 33.91156 | 53.09742 | 19.18586 | 28.19414 | 36.96584 | 3.05428 | 45.28572 | 33.78318 | -0.12838 | 49.59838 | 45.31275 | 11.40119 | 30.80881 |
| 4/9/2025 | 6:00:00 PM | 33.89484 | 53.08669 | 19.19185 | 28.18815 | 36.98016 | 3.08532 | 45.25468 | 33.78318 | -0.11166 | 49.58166 | 45.29133 | 11.39649 | 30.81351 |
| 4/9/2025 | 7:00:00 PM | 33.89484 | 53.07596 | 19.18112 | 28.19888 | 36.97658 | 3.08174 | 45.25826 | 33.77227 | -0.12257 | 49.59257 | 45.27347 | 11.37863 | 30.83137 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/9/2025 | 8:00:00 PM | 33.87144 | 53.06166 | 19.19022 | 28.18978 | 36.98374 | 3.1123 | 45.2277 | 33.7541 | -0.11734 | 49.58734 | 45.25918 | 11.38774 | 30.82226 |
| 4/9/2025 | 9:00:00 PM | 33.87144 | 53.06524 | 19.1938 | 28.1862 | 36.9909 | 3.11946 | 45.22054 | 33.76501 | -0.10643 | 49.57643 | 45.28061 | 11.40917 | 30.80083 |
| 4/9/2025 | 10:00:00 PM | 33.85472 | 53.05451 | 19.19979 | 28.18021 | 36.9909 | 3.13618 | 45.20382 | 33.75774 | -0.09698 | 49.56698 | 45.24847 | 11.39375 | 30.81625 |
| 4/9/2025 | 11:00:00 PM | 33.84468 | 53.04736 | 19.20268 | 28.17732 | 36.98732 | 3.14264 | 45.19736 | 33.74684 | -0.09784 | 49.56784 | 45.23418 | 11.3895 | 30.8205 |
| 4/10/2025 | 12:00:00 AM | 33.84803 | 53.05093 | 19.2029 | 28.1771 | 36.99448 | 3.14645 | 45.19355 | 33.74684 | -0.10119 | 49.57119 | 45.23776 | 11.38973 | 30.82027 |
| 4/10/2025 | 1:00:00 AM | 33.84468 | 53.04736 | 19.20268 | 28.17732 | 36.99448 | 3.1498 | 45.1902 | 33.7432 | -0.10148 | 49.57148 | 45.23418 | 11.3895 | 30.8205 |
| 4/10/2025 | 2:00:00 AM | 33.80121 | 52.98299 | 19.18178 | 28.19822 | 36.99806 | 3.19685 | 45.14315 | 33.72503 | -0.07618 | 49.54618 | 45.18419 | 11.38298 | 30.82702 |
| 4/10/2025 | 3:00:00 AM | 33.78784 | 52.96511 | 19.17727 | 28.20273 | 36.99448 | 3.20664 | 45.13336 | 33.71049 | -0.07735 | 49.54735 | 45.13776 | 11.34992 | 30.86008 |
| 4/10/2025 | 4:00:00 AM | 33.77446 | 52.94007 | 19.16561 | 28.21439 | 36.99448 | 3.22002 | 45.11998 | 33.69232 | -0.08214 | 49.55214 | 45.08419 | 11.30973 | 30.90027 |
| 4/10/2025 | 5:00:00 AM | 33.76443 | 52.92219 | 19.15776 | 28.22224 | 36.9909 | 3.22647 | 45.11353 | 33.67415 | -0.09028 | 49.56028 | 45.04133 | 11.2769 | 30.9331 |
| 4/10/2025 | 6:00:00 AM | 33.7544 | 52.90789 | 19.15349 | 28.22651 | 36.9909 | 3.2365 | 45.1035 | 33.65598 | -0.09842 | 49.56842 | 45.00205 | 11.24765 | 30.96235 |
| 4/10/2025 | 7:00:00 AM | 33.74436 | 52.88643 | 19.14207 | 28.23793 | 36.99806 | 3.2537 | 45.0863 | 33.63418 | -0.11018 | 49.58018 | 44.96276 | 11.2184 | 30.9916 |
| 4/10/2025 | 8:00:00 AM | 33.73099 | 52.85782 | 19.12683 | 28.25317 | 36.98374 | 3.25275 | 45.08725 | 33.61964 | -0.11135 | 49.58135 | 44.9092 | 11.17821 | 31.03179 |
| 4/10/2025 | 9:00:00 AM | 33.73099 | 52.83994 | 19.10895 | 28.27105 | 36.98374 | 3.25275 | 45.08725 | 33.59783 | -0.13316 | 49.60316 | 44.87348 | 11.14249 | 31.06751 |
| 4/10/2025 | 10:00:00 AM | 33.72764 | 52.82564 | 19.098 | 28.282 | 36.98374 | 3.2561 | 45.0839 | 33.57966 | -0.14798 | 49.61798 | 44.83063 | 11.10299 | 31.10701 |
| 4/10/2025 | 11:00:00 AM | 33.73099 | 52.80776 | 19.07677 | 28.30323 | 36.96584 | 3.23485 | 45.10515 | 33.55786 | -0.17313 | 49.64313 | 44.79491 | 11.06392 | 31.14608 |
| 4/10/2025 | 12:00:00 PM | 33.74102 | 52.79703 | 19.05601 | 28.32399 | 36.96226 | 3.22124 | 45.11876 | 33.55059 | -0.19043 | 49.66043 | 44.76634 | 11.02532 | 31.18468 |
| 4/10/2025 | 1:00:00 PM | 33.7544 | 52.76842 | 19.01402 | 28.36598 | 36.9551 | 3.2007 | 45.1393 | 33.53969 | -0.21471 | 49.68471 | 44.71992 | 10.96552 | 31.24448 |
| 4/10/2025 | 2:00:00 PM | 33.78115 | 52.80776 | 19.02661 | 28.35339 | 36.94079 | 3.15964 | 45.18036 | 33.53605 | -0.2451 | 49.7151 | 44.79848 | 11.01733 | 31.19267 |
| 4/10/2025 | 3:00:00 PM | 33.80456 | 52.89001 | 19.08545 | 28.29455 | 36.94079 | 3.13623 | 45.20377 | 33.57603 | -0.22853 | 49.69853 | 44.92705 | 11.12249 | 31.08751 |
| 4/10/2025 | 4:00:00 PM | 33.81793 | 52.91862 | 19.10069 | 28.27931 | 36.93721 | 3.11928 | 45.22072 | 33.60147 | -0.21646 | 49.68646 | 44.98776 | 11.16983 | 31.04017 |
| 4/10/2025 | 5:00:00 PM | 33.81124 | 52.92219 | 19.11095 | 28.26905 | 36.93005 | 3.11881 | 45.22119 | 33.60874 | -0.2025 | 49.6725 | 44.98776 | 11.17652 | 31.03348 |
| 4/10/2025 | 6:00:00 PM | 33.82128 | 52.96153 | 19.14025 | 28.23975 | 36.93363 | 3.11235 | 45.22765 | 33.63054 | -0.19074 | 49.66074 | 45.05562 | 11.23434 | 30.97566 |
| 4/10/2025 | 7:00:00 PM | 33.84134 | 52.99371 | 19.15237 | 28.22763 | 36.92647 | 3.08513 | 45.25487 | 33.65962 | -0.18172 | 49.65172 | 45.12704 | 11.2857 | 30.9243 |
| 4/10/2025 | 8:00:00 PM | 33.838 | 53.01159 | 19.17359 | 28.20641 | 36.93363 | 3.09563 | 45.24437 | 33.67415 | -0.16385 | 49.63385 | 45.15204 | 11.31404 | 30.89596 |
| 4/10/2025 | 9:00:00 PM | 33.84468 | 53.03305 | 19.18837 | 28.19163 | 36.93721 | 3.09253 | 45.24747 | 33.68869 | -0.15599 | 49.62599 | 45.20918 | 11.3645 | 30.8455 |
| 4/10/2025 | 10:00:00 PM | 33.85472 | 53.07596 | 19.22124 | 28.15876 | 36.93363 | 3.07891 | 45.26109 | 33.71776 | -0.13696 | 49.60696 | 45.28061 | 11.42589 | 30.78411 |
| 4/10/2025 | 11:00:00 PM | 33.86475 | 53.09742 | 19.23267 | 28.14733 | 36.94437 | 3.07962 | 45.26038 | 33.7432 | -0.12155 | 49.59155 | 45.33061 | 11.46586 | 30.74414 |
| 4/11/2025 | 12:00:00 AM | 33.87144 | 53.10815 | 19.23671 | 28.14329 | 36.94437 | 3.07293 | 45.26707 | 33.76864 | -0.1028 | 49.5728 | 45.37704 | 11.5056 | 30.7044 |
| 4/11/2025 | 1:00:00 AM | 33.88147 | 53.14033 | 19.25886 | 28.12114 | 36.95868 | 3.07721 | 45.26279 | 33.79045 | -0.09102 | 49.56102 | 45.43418 | 11.55271 | 30.65729 |
| 4/11/2025 | 2:00:00 AM | 33.87812 | 53.15106 | 19.27294 | 28.10706 | 36.96584 | 3.08772 | 45.25228 | 33.80135 | -0.07677 | 49.54677 | 45.44846 | 11.57034 | 30.63966 |
| 4/11/2025 | 3:00:00 AM | 33.87478 | 53.15821 | 19.28343 | 28.09657 | 36.97658 | 3.1018 | 45.2382 | 33.81588 | -0.0589 | 49.5289 | 45.44846 | 11.57368 | 30.63632 |
| 4/11/2025 | 4:00:00 AM | 33.86809 | 53.16179 | 19.2937 | 28.0863 | 36.98016 | 3.11207 | 45.22793 | 33.82315 | -0.04494 | 49.51494 | 45.45561 | 11.58752 | 30.62248 |
| 4/11/2025 | 5:00:00 AM | 33.8614 | 53.17252 | 19.31112 | 28.06888 | 36.9909 | 3.1295 | 45.2105 | 33.83406 | -0.02734 | 49.49734 | 45.47703 | 11.61563 | 30.59437 |
| 4/11/2025 | 6:00:00 AM | 33.86475 | 53.16894 | 19.30419 | 28.07581 | 36.99806 | 3.13331 | 45.20669 | 33.83769 | -0.02706 | 49.49706 | 45.47703 | 11.61228 | 30.59772 |
| 4/11/2025 | 7:00:00 AM | 33.86475 | 53.1904 | 19.32565 | 28.05435 | 37.0088 | 3.14405 | 45.19595 | 33.84496 | -0.01979 | 49.48979 | 45.49846 | 11.63371 | 30.57629 |
| 4/11/2025 | 8:00:00 AM | 33.86809 | 53.19755 | 19.32946 | 28.05054 | 37.01954 | 3.15145 | 45.18855 | 33.85223 | -0.01586 | 49.48586 | 45.52703 | 11.65894 | 30.55106 |
| 4/11/2025 | 9:00:00 AM | 33.87478 | 53.21185 | 19.33707 | 28.04293 | 37.0267 | 3.15192 | 45.18808 | 33.86676 | -0.00802 | 49.47802 | 45.54846 | 11.67368 | 30.53632 |
| 4/11/2025 | 10:00:00 AM | 33.88147 | 53.21543 | 19.33396 | 28.04604 | 37.03743 | 3.15596 | 45.18404 | 33.87767 | -0.0038 | 49.4738 | 45.54132 | 11.65985 | 30.55015 |
| 4/11/2025 | 11:00:00 AM | 33.87812 | 53.19755 | 19.31943 | 28.06057 | 37.04817 | 3.17005 | 45.16995 | 33.87767 | -0.00045 | 49.47045 | 45.53775 | 11.65963 | 30.55037 |
| 4/11/2025 | 12:00:00 PM | 33.87812 | 53.18682 | 19.3087 | 28.0713 | 37.05175 | 3.17363 | 45.16637 | 33.87767 | -0.00045 | 49.47045 | 45.5056 | 11.62748 | 30.58252 |
| 4/11/2025 | 1:00:00 PM | 33.88147 | 53.16894 | 19.28747 | 28.09253 | 37.05891 | 3.17744 | 45.16256 | 33.8704 | -0.01107 | 49.48107 | 45.46632 | 11.58485 | 30.62515 |
| 4/11/2025 | 2:00:00 PM | 33.88481 | 53.16179 | 19.27698 | 28.10302 | 37.06607 | 3.18126 | 45.15874 | 33.86313 | -0.02168 | 49.49168 | 45.44489 | 11.56008 | 30.64992 |
| 4/11/2025 | 3:00:00 PM | 33.85806 | 53.05451 | 19.19645 | 28.18355 | 37.07681 | 3.21875 | 45.12125 | 33.84496 | -0.0131 | 49.4831 | 45.40561 | 11.54755 | 30.66245 |
| 4/11/2025 | 4:00:00 PM | 33.84134 | 53.0259 | 19.18456 | 28.19544 | 37.08397 | 3.24263 | 45.09737 | 33.83406 | -0.00728 | 49.47728 | 45.36989 | 11.52855 | 30.68145 |
| 4/11/2025 | 5:00:00 PM | 33.82796 | 53.01875 | 19.19079 | 28.18921 | 37.08039 | 3.25243 | 45.08757 | 33.81588 | -0.01208 | 49.48208 | 45.34847 | 11.52051 | 30.68949 |
| 4/11/2025 | 6:00:00 PM | 33.82796 | 53.01159 | 19.18363 | 28.19637 | 37.08397 | 3.25601 | 45.08399 | 33.81588 | -0.01208 | 49.48208 | 45.33061 | 11.50265 | 30.70735 |
| 4/11/2025 | 7:00:00 PM | 33.81793 | 53.00802 | 19.19009 | 28.18991 | 37.09113 | 3.2732 | 45.0668 | 33.79771 | -0.02022 | 49.49022 | 45.3199 | 11.50197 | 30.70803 |
| 4/11/2025 | 8:00:00 PM | 33.8079 | 53.01159 | 19.20369 | 28.17631 | 37.09113 | 3.28323 | 45.05677 | 33.79771 | -0.01019 | 49.48019 | 45.30561 | 11.49771 | 30.71229 |
| 4/11/2025 | 9:00:00 PM | 33.79787 | 53.00802 | 19.21015 | 28.16985 | 37.08755 | 3.28968 | 45.05032 | 33.79408 | -0.00379 | 49.47379 | 45.32347 | 11.5256 | 30.6844 |
| 4/11/2025 | 10:00:00 PM | 33.8079 | 53.0259 | 19.218 | 28.162 | 37.09113 | 3.28323 | 45.05677 | 33.80135 | -0.00655 | 49.47655 | 45.35204 | 11.54414 | 30.66586 |
| 4/11/2025 | 11:00:00 PM | 33.79787 | 53.02232 | 19.22445 | 28.15555 | 37.08397 | 3.2861 | 45.0539 | 33.80135 | 0.00348 | 49.46652 | 45.33418 | 11.53631 | 30.67369 |
| 4/12/2025 | 12:00:00 AM | 33.78449 | 53.01875 | 19.23426 | 28.14574 | 37.09113 | 3.30664 | 45.03336 | 33.79771 | 0.01322 | 49.45678 | 45.33418 | 11.54969 | 30.66031 |
| 4/12/2025 | 1:00:00 AM | 33.78784 | 53.0259 | 19.23806 | 28.14194 | 37.09113 | 3.30329 | 45.03671 | 33.79771 | 0.00987 | 49.46013 | 45.33775 | 11.54991 | 30.66009 |
| 4/12/2025 | 2:00:00 AM | 33.78784 | 53.02232 | 19.23448 | 28.14552 | 37.09113 | 3.30329 | 45.03671 | 33.79045 | 0.00261 | 49.46739 | 45.32704 | 11.5392 | 30.6708 |
| 4/12/2025 | 3:00:00 AM | 33.78784 | 53.02232 | 19.23448 | 28.14552 | 37.09113 | 3.30329 | 45.03671 | 33.78318 | -0.00466 | 49.47466 | 45.3199 | 11.53206 | 30.67794 |
| 4/12/2025 | 4:00:00 AM | 33.78449 | 53.0259 | 19.24141 | 28.13859 | 37.08755 | 3.30306 | 45.03694 | 33.79045 | 0.00596 | 49.46404 | 45.3199 | 11.53541 | 30.67459 |
| 4/12/2025 | 5:00:00 AM | 33.78115 | 53.03305 | 19.2519 | 28.1281 | 37.08755 | 3.3064 | 45.0336 | 33.79045 | 0.0093 | 49.4607 | 45.33418 | 11.55303 | 30.65697 |
| 4/12/2025 | 6:00:00 AM | 33.78449 | 53.05451 | 19.27002 | 28.10998 | 37.08755 | 3.30306 | 45.03694 | 33.80498 | 0.02049 | 49.44951 | 45.36989 | 11.5854 | 30.6246 |
| 4/12/2025 | 7:00:00 AM | 33.79787 | 53.07954 | 19.28167 | 28.09833 | 37.08755 | 3.28968 | 45.05032 | 33.81225 | 0.01438 | 49.45562 | 45.39846 | 11.60059 | 30.60941 |
| 4/12/2025 | 8:00:00 AM | 33.80121 | 53.101 | 19.29979 | 28.08021 | 37.09471 | 3.2935 | 45.0465 | 33.83042 | 0.02921 | 49.44079 | 45.43418 | 11.63297 | 30.57703 |
| 4/12/2025 | 9:00:00 AM | 33.81459 | 53.10815 | 19.29356 | 28.08644 | 37.08755 | 3.27296 | 45.06704 | 33.83769 | 0.0231 | 49.4469 | 45.44132 | 11.62673 | 30.58327 |
| 4/12/2025 | 10:00:00 AM | 33.81459 | 53.12603 | 19.31144 | 28.06856 | 37.09471 | 3.28012 | 45.05988 | 33.84496 | 0.03037 | 49.43963 | 45.45203 | 11.63744 | 30.57256 |
| 4/12/2025 | 11:00:00 AM | 33.84468 | 53.13318 | 19.2885 | 28.0915 | 37.09829 | 3.25361 | 45.08639 | 33.86313 | 0.01845 | 49.45155 | 45.46632 | 11.62164 | 30.58836 |
| 4/12/2025 | 12:00:00 PM | 33.85472 | 53.14748 | 19.29276 | 28.08724 | 37.10545 | 3.25073 | 45.08927 | 33.87403 | 0.01931 | 49.45069 | 45.45203 | 11.59731 | 30.61269 |
| 4/12/2025 | 1:00:00 PM | 33.87144 | 53.14391 | 19.27247 | 28.10753 | 37.10545 | 3.23401 | 45.10599 | 33.8704 | -0.00104 | 49.47104 | 45.42703 | 11.55559 | 30.65441 |
| 4/12/2025 | 2:00:00 PM | 33.9216 | 53.15821 | 19.23661 | 28.14339 | 37.10902 | 3.18742 | 45.15258 | 33.8813 | -0.0403 | 49.5103 | 45.39489 | 11.47329 | 30.73671 |
| 4/12/2025 | 3:00:00 PM | 33.95504 | 53.15464 | 19.1996 | 28.1804 | 37.1126 | 3.15756 | 45.18244 | 33.88493 | -0.07011 | 49.54011 | 45.37347 | 11.41843 | 30.79157 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/12/2025 | 4:00:00 PM | 33.93163 | 53.15106 | 19.21943 | 28.16057 | 37.11618 | 3.18455 | 45.15545 | 33.88493 | -0.0467 | 49.5167 | 45.38775 | 11.45612 | 30.75388 |
| 4/12/2025 | 5:00:00 PM | 33.92494 | 53.16537 | 19.24043 | 28.13957 | 37.1305 | 3.20556 | 45.13444 | 33.8922 | -0.03274 | 49.50274 | 45.37704 | 11.4521 | 30.7579 |
| 4/12/2025 | 6:00:00 PM | 33.91491 | 53.16894 | 19.25403 | 28.12597 | 37.13408 | 3.21917 | 45.12083 | 33.89584 | -0.01907 | 49.48907 | 45.35561 | 11.4407 | 30.7693 |
| 4/12/2025 | 7:00:00 PM | 33.91491 | 53.18325 | 19.26834 | 28.11166 | 37.13766 | 3.22275 | 45.11725 | 33.90674 | -0.00817 | 49.47817 | 45.37704 | 11.46213 | 30.74787 |
| 4/12/2025 | 8:00:00 PM | 33.90822 | 53.2047 | 19.29648 | 28.08352 | 37.14482 | 3.2366 | 45.1034 | 33.91401 | 0.00579 | 49.46421 | 45.40561 | 11.49739 | 30.71261 |
| 4/12/2025 | 9:00:00 PM | 33.92494 | 53.22973 | 19.30479 | 28.07521 | 37.1484 | 3.22346 | 45.11654 | 33.92854 | 0.0036 | 49.4664 | 45.43061 | 11.50567 | 30.70433 |
| 4/12/2025 | 10:00:00 PM | 33.945 | 53.24046 | 19.29546 | 28.08454 | 37.14482 | 3.19982 | 45.14018 | 33.94671 | 0.00171 | 49.46829 | 45.43775 | 11.49275 | 30.71725 |
| 4/12/2025 | 11:00:00 PM | 33.94166 | 53.25477 | 19.31311 | 28.06689 | 37.15556 | 3.2139 | 45.1261 | 33.95398 | 0.01232 | 49.45768 | 45.42703 | 11.48537 | 30.72463 |
| 4/13/2025 | 12:00:00 AM | 33.96172 | 53.26192 | 19.3002 | 28.0798 | 37.16988 | 3.20816 | 45.13184 | 33.96125 | -0.00047 | 49.47047 | 45.36275 | 11.40103 | 30.80897 |
| 4/13/2025 | 1:00:00 AM | 33.96507 | 53.27265 | 19.30758 | 28.07242 | 37.1663 | 3.20123 | 45.13877 | 33.97942 | 0.01435 | 49.45565 | 45.24133 | 11.27626 | 30.93374 |
| 4/13/2025 | 2:00:00 AM | 33.9751 | 53.27622 | 19.30112 | 28.07888 | 37.17704 | 3.20194 | 45.13806 | 33.98306 | 0.00796 | 49.46204 | 45.1699 | 11.1948 | 31.0152 |
| 4/13/2025 | 3:00:00 AM | 33.97844 | 53.27622 | 19.29778 | 28.08222 | 37.18419 | 3.20575 | 45.13425 | 33.98669 | 0.00825 | 49.46175 | 45.05562 | 11.07718 | 31.13282 |
| 4/13/2025 | 4:00:00 AM | 33.97176 | 53.27265 | 19.30089 | 28.07911 | 37.19135 | 3.21959 | 45.12041 | 33.99396 | 0.0222 | 49.4478 | 44.95919 | 10.98743 | 31.22257 |
| 4/13/2025 | 5:00:00 AM | 33.96841 | 53.2798 | 19.31139 | 28.06861 | 37.19493 | 3.22652 | 45.11348 | 33.99396 | 0.02555 | 49.44445 | 44.89848 | 10.93007 | 31.27993 |
| 4/13/2025 | 6:00:00 AM | 33.96841 | 53.27265 | 19.30424 | 28.07576 | 37.20209 | 3.23368 | 45.10632 | 33.99032 | 0.02191 | 49.44809 | 44.87348 | 10.90507 | 31.30493 |
| 4/13/2025 | 7:00:00 AM | 33.97176 | 53.2798 | 19.30804 | 28.07196 | 37.21283 | 3.24107 | 45.09893 | 33.99396 | 0.0222 | 49.4478 | 44.87705 | 10.90529 | 31.30471 |
| 4/13/2025 | 8:00:00 AM | 33.97176 | 53.27622 | 19.30446 | 28.07554 | 37.21283 | 3.24107 | 45.09893 | 33.99759 | 0.02583 | 49.44417 | 44.88777 | 10.91601 | 31.29399 |
| 4/13/2025 | 9:00:00 AM | 33.97844 | 53.27622 | 19.29778 | 28.08222 | 37.21999 | 3.24155 | 45.09845 | 33.99032 | 0.01188 | 49.45812 | 44.88062 | 10.90218 | 31.30782 |
| 4/13/2025 | 10:00:00 AM | 33.97844 | 53.26907 | 19.29063 | 28.08937 | 37.22357 | 3.24513 | 45.09487 | 33.98669 | 0.00825 | 49.46175 | 44.87705 | 10.89861 | 31.31139 |
| 4/13/2025 | 11:00:00 AM | 33.98848 | 53.27265 | 19.28417 | 28.09583 | 37.23431 | 3.24583 | 45.09417 | 33.99032 | 0.00184 | 49.46816 | 44.88062 | 10.89214 | 31.31786 |
| 4/13/2025 | 12:00:00 PM | 34.00185 | 53.2655 | 19.26365 | 28.11635 | 37.23431 | 3.23246 | 45.10754 | 33.98306 | -0.01879 | 49.48879 | 44.87705 | 10.8752 | 31.3348 |
| 4/13/2025 | 1:00:00 PM | 34.01857 | 53.24761 | 19.22904 | 28.15096 | 37.24505 | 3.22648 | 45.11352 | 33.97579 | -0.04278 | 49.51278 | 44.87348 | 10.85491 | 31.35509 |
| 4/13/2025 | 2:00:00 PM | 34.08211 | 53.23689 | 19.15478 | 28.22522 | 37.24147 | 3.15936 | 45.18064 | 33.96852 | -0.11359 | 49.58359 | 44.87705 | 10.79494 | 31.41506 |
| 4/13/2025 | 3:00:00 PM | 34.10217 | 53.21901 | 19.11684 | 28.26316 | 37.24147 | 3.1393 | 45.2007 | 33.96489 | -0.13728 | 49.60728 | 44.86277 | 10.7606 | 31.4494 |
| 4/13/2025 | 4:00:00 PM | 34.08211 | 53.21185 | 19.12974 | 28.25026 | 37.24863 | 3.16652 | 45.17348 | 33.94671 | -0.1354 | 49.6054 | 44.8592 | 10.77709 | 31.43291 |
| 4/13/2025 | 5:00:00 PM | 34.07208 | 53.20113 | 19.12905 | 28.25095 | 37.24505 | 3.17297 | 45.16703 | 33.93945 | -0.13263 | 49.60263 | 44.84491 | 10.77283 | 31.43717 |
| 4/13/2025 | 6:00:00 PM | 34.05536 | 53.18682 | 19.13146 | 28.24854 | 37.24505 | 3.18969 | 45.15031 | 33.92491 | -0.13045 | 49.60045 | 44.8342 | 10.77884 | 31.43116 |
| 4/13/2025 | 7:00:00 PM | 34.04867 | 53.17252 | 19.12385 | 28.25615 | 37.24863 | 3.19996 | 45.14004 | 33.91037 | -0.1383 | 49.6083 | 44.8342 | 10.78553 | 31.42447 |
| 4/13/2025 | 8:00:00 PM | 34.03529 | 53.16894 | 19.13365 | 28.24635 | 37.24863 | 3.21334 | 45.12666 | 33.90674 | -0.12855 | 49.59855 | 44.82348 | 10.78819 | 31.42181 |
| 4/13/2025 | 9:00:00 PM | 34.02192 | 53.16894 | 19.14702 | 28.23298 | 37.24505 | 3.22313 | 45.11687 | 33.9031 | -0.11882 | 49.58882 | 44.80563 | 10.78371 | 31.42629 |
| 4/13/2025 | 10:00:00 PM | 34.00854 | 53.17252 | 19.16398 | 28.21602 | 37.24147 | 3.23293 | 45.10707 | 33.89947 | -0.10907 | 49.57907 | 44.81277 | 10.80423 | 31.40577 |
| 4/13/2025 | 11:00:00 PM | 33.99516 | 53.17252 | 19.17736 | 28.20264 | 37.24147 | 3.24631 | 45.09369 | 33.8922 | -0.10296 | 49.57296 | 44.80206 | 10.8069 | 31.4031 |
| 4/14/2025 | 12:00:00 AM | 33.97844 | 53.15464 | 19.1762 | 28.2038 | 37.23431 | 3.25587 | 45.08413 | 33.88493 | -0.09351 | 49.56351 | 44.76991 | 10.79147 | 31.41853 |
| 4/14/2025 | 1:00:00 AM | 33.96507 | 53.14748 | 19.18241 | 28.19759 | 37.23431 | 3.26924 | 45.07076 | 33.87767 | -0.0874 | 49.5574 | 44.76991 | 10.80484 | 31.40516 |
| 4/14/2025 | 2:00:00 AM | 33.95838 | 53.14033 | 19.18195 | 28.19805 | 37.22715 | 3.26877 | 45.07123 | 33.86676 | -0.09162 | 49.56162 | 44.76991 | 10.81153 | 31.39847 |
| 4/14/2025 | 3:00:00 AM | 33.93832 | 53.12245 | 19.18413 | 28.19587 | 37.22715 | 3.28883 | 45.05117 | 33.85949 | -0.07883 | 49.54883 | 44.75206 | 10.81374 | 31.39626 |
| 4/14/2025 | 4:00:00 AM | 33.92828 | 53.11888 | 19.1906 | 28.1894 | 37.22357 | 3.29529 | 45.04471 | 33.84496 | -0.08332 | 49.55332 | 44.74849 | 10.82021 | 31.38979 |
| 4/14/2025 | 5:00:00 AM | 33.91825 | 53.10457 | 19.18632 | 28.19368 | 37.21999 | 3.30174 | 45.03826 | 33.83406 | -0.08419 | 49.55419 | 44.73777 | 10.81952 | 31.39048 |
| 4/14/2025 | 6:00:00 AM | 33.89819 | 53.07596 | 19.17777 | 28.20223 | 37.21283 | 3.31464 | 45.02536 | 33.82315 | -0.07504 | 49.54504 | 44.72706 | 10.82887 | 31.38113 |
| 4/14/2025 | 7:00:00 AM | 33.87478 | 53.03305 | 19.15827 | 28.22173 | 37.20925 | 3.33447 | 45.00553 | 33.80862 | -0.06616 | 49.53616 | 44.71277 | 10.83799 | 31.37201 |
| 4/14/2025 | 8:00:00 AM | 33.87478 | 53.03663 | 19.16185 | 28.21815 | 37.20567 | 3.33089 | 45.00911 | 33.79771 | -0.07707 | 49.54707 | 44.71634 | 10.84156 | 31.36844 |
| 4/14/2025 | 9:00:00 AM | 33.88147 | 53.02947 | 19.148 | 28.232 | 37.19851 | 3.31704 | 45.02296 | 33.79408 | -0.08739 | 49.55739 | 44.70563 | 10.82416 | 31.38584 |
| 4/14/2025 | 10:00:00 AM | 33.8915 | 53.02947 | 19.13797 | 28.24203 | 37.19493 | 3.30343 | 45.03657 | 33.79408 | -0.09742 | 49.56742 | 44.69849 | 10.80699 | 31.40301 |
| 4/14/2025 | 11:00:00 AM | 33.89819 | 53.02947 | 19.13128 | 28.24872 | 37.19135 | 3.29316 | 45.04684 | 33.78681 | -0.11138 | 49.58138 | 44.68777 | 10.78958 | 31.42042 |
| 4/14/2025 | 12:00:00 PM | 33.90488 | 53.01517 | 19.11029 | 28.26971 | 37.18419 | 3.27931 | 45.06069 | 33.77591 | -0.12897 | 49.59897 | 44.67706 | 10.77218 | 31.43782 |
| 4/14/2025 | 1:00:00 PM | 33.92494 | 52.98299 | 19.05805 | 28.32195 | 37.17346 | 3.24852 | 45.09148 | 33.74684 | -0.1781 | 49.6481 | 44.6592 | 10.73426 | 31.47574 |
| 4/14/2025 | 2:00:00 PM | 33.97844 | 52.96868 | 18.99024 | 28.38976 | 37.17704 | 3.1986 | 45.1414 | 33.7323 | -0.24614 | 49.71614 | 44.65206 | 10.67362 | 31.53638 |
| 4/14/2025 | 3:00:00 PM | 33.99851 | 52.9508 | 18.95229 | 28.42771 | 37.16272 | 3.16421 | 45.17579 | 33.71776 | -0.28075 | 49.75075 | 44.63778 | 10.63927 | 31.57073 |
| 4/14/2025 | 4:00:00 PM | 33.97844 | 52.9365 | 18.95806 | 28.42194 | 37.15556 | 3.17712 | 45.16288 | 33.70686 | -0.27158 | 49.74158 | 44.62349 | 10.64505 | 31.56495 |
| 4/14/2025 | 5:00:00 PM | 33.96172 | 52.91862 | 18.9569 | 28.4231 | 37.1484 | 3.18668 | 45.15332 | 33.68869 | -0.27303 | 49.74303 | 44.58063 | 10.61891 | 31.59109 |
| 4/14/2025 | 6:00:00 PM | 33.95504 | 52.91504 | 18.96 | 28.42 | 37.14482 | 3.18978 | 45.15022 | 33.67415 | -0.28089 | 49.75089 | 44.56992 | 10.61488 | 31.59512 |
| 4/14/2025 | 7:00:00 PM | 33.94835 | 52.91146 | 18.96311 | 28.41689 | 37.1305 | 3.18215 | 45.15785 | 33.66325 | -0.2851 | 49.7551 | 44.54492 | 10.59657 | 31.61343 |
| 4/14/2025 | 8:00:00 PM | 33.93832 | 52.91146 | 18.97314 | 28.40686 | 37.12334 | 3.18502 | 45.15498 | 33.65598 | -0.28234 | 49.75234 | 44.55921 | 10.62089 | 31.58911 |
| 4/14/2025 | 9:00:00 PM | 33.93163 | 52.92935 | 18.99772 | 28.38228 | 37.1126 | 3.18097 | 45.15903 | 33.65962 | -0.27201 | 49.74201 | 44.55921 | 10.62758 | 31.58242 |
| 4/14/2025 | 10:00:00 PM | 33.9216 | 52.94365 | 19.02205 | 28.35795 | 37.10187 | 3.18027 | 45.15973 | 33.66688 | -0.25472 | 49.72472 | 44.55921 | 10.63761 | 31.57239 |
| 4/14/2025 | 11:00:00 PM | 33.9216 | 52.96153 | 19.03993 | 28.34007 | 37.09471 | 3.17311 | 45.16689 | 33.67052 | -0.25108 | 49.72108 | 44.55921 | 10.63761 | 31.57239 |
| 4/15/2025 | 12:00:00 AM | 33.91491 | 52.96153 | 19.04662 | 28.33338 | 37.09113 | 3.17622 | 45.16378 | 33.67779 | -0.23712 | 49.70712 | 44.55921 | 10.6443 | 31.5657 |
| 4/15/2025 | 1:00:00 AM | 33.89819 | 52.96153 | 19.06334 | 28.31666 | 37.08397 | 3.18578 | 45.15422 | 33.68142 | -0.21677 | 49.68677 | 44.56278 | 10.66459 | 31.54541 |
| 4/15/2025 | 2:00:00 AM | 33.89819 | 52.96511 | 19.06692 | 28.31308 | 37.07681 | 3.17862 | 45.16138 | 33.68142 | -0.21677 | 49.68677 | 44.55564 | 10.65745 | 31.55255 |
| 4/15/2025 | 3:00:00 AM | 33.88481 | 52.95795 | 19.07314 | 28.30686 | 37.08039 | 3.19558 | 45.14442 | 33.67779 | -0.20702 | 49.67702 | 44.55564 | 10.67083 | 31.53917 |
| 4/15/2025 | 4:00:00 AM | 33.87812 | 52.96511 | 19.08699 | 28.29301 | 37.07323 | 3.19511 | 45.14489 | 33.67052 | -0.2076 | 49.6776 | 44.55921 | 10.68109 | 31.52891 |
| 4/15/2025 | 5:00:00 AM | 33.87812 | 52.97226 | 19.09414 | 28.28586 | 37.07323 | 3.19511 | 45.14489 | 33.67779 | -0.20033 | 49.67033 | 44.55564 | 10.67752 | 31.53248 |
| 4/15/2025 | 6:00:00 AM | 33.84468 | 52.91146 | 19.06678 | 28.31322 | 37.06607 | 3.22139 | 45.11861 | 33.68142 | -0.16326 | 49.63326 | 44.55206 | 10.70738 | 31.50262 |
| 4/15/2025 | 7:00:00 AM | 33.838 | 52.92219 | 19.08419 | 28.29581 | 37.06607 | 3.22807 | 45.11193 | 33.68142 | -0.15658 | 49.62658 | 44.55921 | 10.72121 | 31.48879 |
| 4/15/2025 | 8:00:00 AM | 33.85472 | 52.94723 | 19.09251 | 28.28749 | 37.06249 | 3.20777 | 45.13223 | 33.68869 | -0.16603 | 49.63603 | 44.56278 | 10.70806 | 31.50194 |
| 4/15/2025 | 9:00:00 AM | 33.85472 | 52.9365 | 19.08178 | 28.29822 | 37.05891 | 3.20419 | 45.13581 | 33.69596 | -0.15876 | 49.62876 | 44.55921 | 10.70449 | 31.50551 |
| 4/15/2025 | 10:00:00 AM | 33.86809 | 52.94007 | 19.07198 | 28.30802 | 37.05533 | 3.18724 | 45.15276 | 33.69232 | -0.17577 | 49.64577 | 44.56278 | 10.69469 | 31.51531 |
| 4/15/2025 | 11:00:00 AM | 33.87478 | 52.9365 | 19.06172 | 28.31828 | 37.05533 | 3.18055 | 45.15945 | 33.69232 | -0.18246 | 49.65246 | 44.56278 | 10.688 | 31.522 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/15/2025 | 12:00:00 PM | 33.88147 | 52.92219 | 19.04072 | 28.33928 | 37.05533 | 3.17386 | 45.16614 | 33.68505 | -0.19642 | 49.66642 | 44.56278 | 10.68131 | 31.52869 |
| 4/15/2025 | 1:00:00 PM | 33.89819 | 52.90431 | 19.00612 | 28.37388 | 37.04817 | 3.14998 | 45.19002 | 33.67415 | -0.22404 | 49.69404 | 44.55921 | 10.66102 | 31.54898 |
| 4/15/2025 | 2:00:00 PM | 33.96507 | 52.90789 | 18.94282 | 28.43718 | 37.05175 | 3.08668 | 45.25332 | 33.65962 | -0.30545 | 49.77545 | 44.55564 | 10.59057 | 31.61943 |
| 4/15/2025 | 3:00:00 PM | 33.98179 | 52.89358 | 18.91179 | 28.46821 | 37.04817 | 3.06638 | 45.27362 | 33.66325 | -0.31854 | 49.78854 | 44.54135 | 10.55956 | 31.65044 |
| 4/15/2025 | 4:00:00 PM | 33.95838 | 52.88643 | 18.92805 | 28.45195 | 37.04459 | 3.08621 | 45.25379 | 33.64871 | -0.30967 | 49.77967 | 44.53778 | 10.5794 | 31.6306 |
| 4/15/2025 | 5:00:00 PM | 33.94835 | 52.87928 | 18.93093 | 28.44907 | 37.03385 | 3.0855 | 45.2545 | 33.64508 | -0.30327 | 49.77327 | 44.53421 | 10.58586 | 31.62414 |
| 4/15/2025 | 6:00:00 PM | 33.95504 | 52.89001 | 18.93497 | 28.44503 | 37.03027 | 3.07523 | 45.26477 | 33.62691 | -0.32813 | 49.79813 | 44.52707 | 10.57203 | 31.63797 |
| 4/15/2025 | 7:00:00 PM | 33.94166 | 52.8757 | 18.93404 | 28.44596 | 37.0267 | 3.08504 | 45.25496 | 33.61964 | -0.32202 | 49.79202 | 44.50921 | 10.56755 | 31.64245 |
| 4/15/2025 | 8:00:00 PM | 33.92828 | 52.8757 | 18.94742 | 28.43258 | 37.0267 | 3.09842 | 45.24158 | 33.61237 | -0.31591 | 49.78591 | 44.51278 | 10.5845 | 31.6255 |
| 4/15/2025 | 9:00:00 PM | 33.91825 | 52.89001 | 18.97176 | 28.40824 | 37.01596 | 3.09771 | 45.24229 | 33.61237 | -0.30588 | 49.77588 | 44.51278 | 10.59453 | 31.61547 |
| 4/15/2025 | 10:00:00 PM | 33.90153 | 52.90074 | 18.99921 | 28.38079 | 37.01954 | 3.11801 | 45.22199 | 33.62327 | -0.27826 | 49.74826 | 44.51635 | 10.61482 | 31.59518 |
| 4/15/2025 | 11:00:00 PM | 33.90153 | 52.91146 | 19.00993 | 28.37007 | 37.01238 | 3.11085 | 45.22915 | 33.62691 | -0.27462 | 49.74462 | 44.50921 | 10.60768 | 31.60232 |
| 4/16/2025 | 12:00:00 AM | 33.8915 | 52.91504 | 19.02354 | 28.35646 | 37.00522 | 3.11372 | 45.22628 | 33.63054 | -0.26096 | 49.73096 | 44.50564 | 10.61414 | 31.59586 |
| 4/16/2025 | 1:00:00 AM | 33.87812 | 52.91862 | 19.0405 | 28.3395 | 37.00522 | 3.1271 | 45.2129 | 33.62691 | -0.25121 | 49.72121 | 44.50921 | 10.63109 | 31.57891 |
| 4/16/2025 | 2:00:00 AM | 33.86475 | 52.91862 | 19.05387 | 28.32613 | 37.00164 | 3.13689 | 45.20311 | 33.62691 | -0.23784 | 49.70784 | 44.50564 | 10.64089 | 31.56911 |
| 4/16/2025 | 3:00:00 AM | 33.85806 | 52.91146 | 19.0534 | 28.3266 | 36.99806 | 3.14 | 45.2 | 33.62327 | -0.23479 | 49.70479 | 44.50207 | 10.64401 | 31.56599 |
| 4/16/2025 | 4:00:00 AM | 33.84803 | 52.90431 | 19.05628 | 28.32372 | 36.99448 | 3.14645 | 45.19355 | 33.61964 | -0.22839 | 49.69839 | 44.50564 | 10.65761 | 31.55239 |
| 4/16/2025 | 5:00:00 AM | 33.84134 | 52.91862 | 19.07728 | 28.30272 | 36.9909 | 3.14956 | 45.19044 | 33.61964 | -0.2217 | 49.6917 | 44.50207 | 10.66073 | 31.54927 |
| 4/16/2025 | 6:00:00 AM | 33.82796 | 52.92219 | 19.09423 | 28.28577 | 36.98374 | 3.15578 | 45.18422 | 33.62327 | -0.20469 | 49.67469 | 44.50207 | 10.67411 | 31.53589 |
| 4/16/2025 | 7:00:00 AM | 33.82796 | 52.91504 | 19.08708 | 28.29292 | 36.98732 | 3.15936 | 45.18064 | 33.62327 | -0.20469 | 49.67469 | 44.50207 | 10.67411 | 31.53589 |
| 4/16/2025 | 8:00:00 AM | 33.82796 | 52.92935 | 19.10139 | 28.27861 | 36.99448 | 3.16652 | 45.17348 | 33.62327 | -0.20469 | 49.67469 | 44.51278 | 10.68482 | 31.52518 |
| 4/16/2025 | 9:00:00 AM | 33.838 | 52.92935 | 19.09135 | 28.28865 | 36.98732 | 3.14932 | 45.19068 | 33.63418 | -0.20382 | 49.67382 | 44.50921 | 10.67121 | 31.53879 |
| 4/16/2025 | 10:00:00 AM | 33.79452 | 52.83279 | 19.03827 | 28.34173 | 36.98732 | 3.1928 | 45.1472 | 33.63054 | -0.16398 | 49.63398 | 44.50921 | 10.71469 | 31.49531 |
| 4/16/2025 | 11:00:00 AM | 33.81459 | 52.83279 | 19.0182 | 28.3618 | 36.98732 | 3.17273 | 45.16727 | 33.62691 | -0.18768 | 49.65768 | 44.50564 | 10.69105 | 31.51895 |
| 4/16/2025 | 12:00:00 PM | 33.82796 | 52.83637 | 19.00841 | 28.37159 | 36.9909 | 3.16294 | 45.17706 | 33.63054 | -0.19742 | 49.66742 | 44.50921 | 10.68125 | 31.52875 |
| 4/16/2025 | 1:00:00 PM | 33.838 | 52.82922 | 18.99122 | 28.38878 | 36.98374 | 3.14574 | 45.19426 | 33.62327 | -0.21473 | 49.68473 | 44.50207 | 10.66407 | 31.54593 |
| 4/16/2025 | 2:00:00 PM | 33.90488 | 52.81491 | 18.91003 | 28.46997 | 36.98374 | 3.07886 | 45.26114 | 33.61601 | -0.28887 | 49.75887 | 44.50207 | 10.59719 | 31.61281 |
| 4/16/2025 | 3:00:00 PM | 33.91825 | 52.79703 | 18.87878 | 28.50122 | 36.98016 | 3.06191 | 45.27809 | 33.6051 | -0.31315 | 49.78315 | 44.49135 | 10.5731 | 31.6369 |
| 4/16/2025 | 4:00:00 PM | 33.90488 | 52.79703 | 18.89215 | 28.48785 | 36.98016 | 3.07528 | 45.26472 | 33.5942 | -0.31068 | 49.78068 | 44.48421 | 10.57933 | 31.63067 |
| 4/16/2025 | 5:00:00 PM | 33.89819 | 52.80418 | 18.90599 | 28.47401 | 36.973 | 3.07481 | 45.26519 | 33.5942 | -0.30399 | 49.77399 | 44.48778 | 10.58959 | 31.62041 |
| 4/16/2025 | 6:00:00 PM | 33.8915 | 52.81133 | 18.91983 | 28.46017 | 36.973 | 3.0815 | 45.2585 | 33.59783 | -0.29367 | 49.76367 | 44.49135 | 10.59985 | 31.61015 |
| 4/16/2025 | 7:00:00 PM | 33.89819 | 52.82922 | 18.93103 | 28.44897 | 36.96942 | 3.07123 | 45.26877 | 33.61237 | -0.28582 | 49.75582 | 44.48778 | 10.58959 | 31.62041 |
| 4/16/2025 | 8:00:00 PM | 33.88481 | 52.83994 | 18.95513 | 28.42487 | 36.96226 | 3.07745 | 45.26255 | 33.61964 | -0.26517 | 49.73517 | 44.48778 | 10.60297 | 31.60703 |
| 4/16/2025 | 9:00:00 PM | 33.88481 | 52.8614 | 18.97659 | 28.40341 | 36.96226 | 3.07745 | 45.26255 | 33.63054 | -0.25427 | 49.72427 | 44.50207 | 10.61726 | 31.59274 |
| 4/16/2025 | 10:00:00 PM | 33.87812 | 52.8757 | 18.99758 | 28.38242 | 36.96584 | 3.08772 | 45.25228 | 33.64508 | -0.23304 | 49.70304 | 44.50207 | 10.62395 | 31.58605 |
| 4/16/2025 | 11:00:00 PM | 33.87144 | 52.90074 | 19.0293 | 28.3507 | 36.96584 | 3.0944 | 45.2456 | 33.65598 | -0.21546 | 49.68546 | 44.51635 | 10.64491 | 31.56509 |
| 4/17/2025 | 12:00:00 AM | 33.8614 | 52.90074 | 19.03934 | 28.34066 | 36.96942 | 3.10802 | 45.23198 | 33.65962 | -0.20178 | 49.67178 | 44.51992 | 10.65852 | 31.55148 |
| 4/17/2025 | 1:00:00 AM | 33.85137 | 52.91504 | 19.06367 | 28.31633 | 36.96584 | 3.11447 | 45.22553 | 33.67052 | -0.18085 | 49.65085 | 44.52707 | 10.6757 | 31.5343 |
| 4/17/2025 | 2:00:00 AM | 33.84803 | 52.92219 | 19.07416 | 28.30584 | 36.96942 | 3.12139 | 45.21861 | 33.67052 | -0.17751 | 49.64751 | 44.53778 | 10.68975 | 31.52025 |
| 4/17/2025 | 3:00:00 AM | 33.84134 | 52.9365 | 19.09516 | 28.28484 | 36.97658 | 3.13524 | 45.20476 | 33.68869 | -0.15265 | 49.62265 | 44.54135 | 10.70001 | 31.50999 |
| 4/17/2025 | 4:00:00 AM | 33.84134 | 52.96153 | 19.12019 | 28.25981 | 36.97658 | 3.13524 | 45.20476 | 33.69959 | -0.14175 | 49.61175 | 44.55564 | 10.7143 | 31.4957 |
| 4/17/2025 | 5:00:00 AM | 33.84134 | 52.96153 | 19.12019 | 28.25981 | 36.98016 | 3.13882 | 45.20118 | 33.70323 | -0.13811 | 49.60811 | 44.58063 | 10.73929 | 31.47071 |
| 4/17/2025 | 6:00:00 AM | 33.83131 | 52.96511 | 19.1338 | 28.2462 | 36.98732 | 3.15601 | 45.18399 | 33.71049 | -0.12082 | 49.59082 | 44.57349 | 10.74218 | 31.46782 |
| 4/17/2025 | 7:00:00 AM | 33.83131 | 52.97583 | 19.14452 | 28.23548 | 36.98374 | 3.15243 | 45.18757 | 33.71413 | -0.11718 | 49.58718 | 44.58063 | 10.74932 | 31.46068 |
| 4/17/2025 | 8:00:00 AM | 33.83131 | 52.98656 | 19.15525 | 28.22475 | 36.98732 | 3.15601 | 45.18399 | 33.71413 | -0.11718 | 49.58718 | 44.57706 | 10.74575 | 31.46425 |
| 4/17/2025 | 9:00:00 AM | 33.84134 | 52.98299 | 19.14165 | 28.23835 | 36.99448 | 3.15314 | 45.18686 | 33.7214 | -0.11994 | 49.58994 | 44.59492 | 10.75358 | 31.45642 |
| 4/17/2025 | 10:00:00 AM | 33.84803 | 52.97583 | 19.1278 | 28.2522 | 36.99806 | 3.15003 | 45.18997 | 33.72503 | -0.123 | 49.593 | 44.58421 | 10.73618 | 31.47382 |
| 4/17/2025 | 11:00:00 AM | 33.85806 | 52.97583 | 19.11777 | 28.26223 | 37.00164 | 3.14358 | 45.19642 | 33.72503 | -0.13303 | 49.60303 | 44.59849 | 10.74043 | 31.46957 |
| 4/17/2025 | 12:00:00 PM | 33.86809 | 52.95795 | 19.08986 | 28.29014 | 37.00522 | 3.13713 | 45.20287 | 33.71413 | -0.15396 | 49.62396 | 44.59492 | 10.72683 | 31.48317 |
| 4/17/2025 | 1:00:00 PM | 33.87812 | 52.94007 | 19.06195 | 28.31805 | 37.0088 | 3.13068 | 45.20932 | 33.69959 | -0.17853 | 49.64853 | 44.59492 | 10.7168 | 31.4932 |
| 4/17/2025 | 2:00:00 PM | 33.945 | 52.94007 | 18.99507 | 28.38493 | 37.0088 | 3.0638 | 45.2762 | 33.69596 | -0.24904 | 49.71904 | 44.58421 | 10.63921 | 31.57079 |
| 4/17/2025 | 3:00:00 PM | 33.96841 | 52.92219 | 18.95378 | 28.42622 | 37.01596 | 3.04755 | 45.29245 | 33.68869 | -0.27972 | 49.74972 | 44.58421 | 10.6158 | 31.5942 |
| 4/17/2025 | 4:00:00 PM | 33.945 | 52.91146 | 18.96646 | 28.41354 | 37.01238 | 3.06738 | 45.27262 | 33.67052 | -0.27448 | 49.74448 | 44.57349 | 10.62849 | 31.58151 |
| 4/17/2025 | 5:00:00 PM | 33.93497 | 52.90431 | 18.96934 | 28.41066 | 37.01238 | 3.07741 | 45.26259 | 33.66688 | -0.26809 | 49.73809 | 44.56992 | 10.63495 | 31.57505 |
| 4/17/2025 | 6:00:00 PM | 33.8915 | 52.81849 | 18.92699 | 28.45301 | 37.01238 | 3.12088 | 45.21912 | 33.66688 | -0.22462 | 49.69462 | 44.56278 | 10.67128 | 31.53872 |
| 4/17/2025 | 7:00:00 PM | 33.88481 | 52.80776 | 18.92295 | 28.45705 | 37.0088 | 3.12399 | 45.21601 | 33.65235 | -0.23246 | 49.70246 | 44.55564 | 10.67083 | 31.53917 |
| 4/17/2025 | 8:00:00 PM | 33.8614 | 52.81491 | 18.95351 | 28.42649 | 37.00522 | 3.14382 | 45.19618 | 33.65962 | -0.20178 | 49.67178 | 44.54492 | 10.68352 | 31.52648 |
| 4/17/2025 | 9:00:00 PM | 33.85472 | 52.82922 | 18.9745 | 28.4055 | 37.0088 | 3.15408 | 45.18592 | 33.66325 | -0.19147 | 49.66147 | 44.54849 | 10.69377 | 31.51623 |
| 4/17/2025 | 10:00:00 PM | 33.85137 | 52.83637 | 18.985 | 28.395 | 37.0088 | 3.15743 | 45.18257 | 33.67052 | -0.18085 | 49.65085 | 44.54849 | 10.69712 | 31.51288 |
| 4/17/2025 | 11:00:00 PM | 33.84468 | 52.83994 | 18.99526 | 28.38474 | 37.0088 | 3.16412 | 45.17588 | 33.67415 | -0.17053 | 49.64053 | 44.54849 | 10.70381 | 31.50619 |
| 4/18/2025 | 12:00:00 AM | 33.83465 | 52.84352 | 19.00887 | 28.37113 | 37.00522 | 3.17057 | 45.16943 | 33.67052 | -0.16413 | 49.63413 | 44.55564 | 10.72099 | 31.48901 |
| 4/18/2025 | 1:00:00 AM | 33.82796 | 52.85425 | 19.02629 | 28.35371 | 37.0088 | 3.18084 | 45.15916 | 33.67779 | -0.15017 | 49.62017 | 44.55564 | 10.72768 | 31.48232 |
| 4/18/2025 | 2:00:00 AM | 33.82796 | 52.86498 | 19.03702 | 28.34298 | 37.00522 | 3.17726 | 45.16274 | 33.69232 | -0.13564 | 49.60564 | 44.55921 | 10.73125 | 31.47875 |
| 4/18/2025 | 3:00:00 AM | 33.81459 | 52.86855 | 19.05396 | 28.32604 | 37.00522 | 3.19063 | 45.14937 | 33.68142 | -0.13317 | 49.60317 | 44.55921 | 10.74462 | 31.46538 |
| 4/18/2025 | 4:00:00 AM | 33.8079 | 52.87213 | 19.06423 | 28.31577 | 37.0088 | 3.2009 | 45.1391 | 33.68869 | -0.11921 | 49.58921 | 44.56635 | 10.75845 | 31.45155 |
| 4/18/2025 | 5:00:00 AM | 33.8079 | 52.88643 | 19.07853 | 28.30147 | 37.00164 | 3.19374 | 45.14626 | 33.69959 | -0.10831 | 49.57831 | 44.56635 | 10.75845 | 31.45155 |
| 4/18/2025 | 6:00:00 AM | 33.79452 | 52.87213 | 19.07761 | 28.30239 | 37.00164 | 3.20712 | 45.13288 | 33.69596 | -0.09856 | 49.56856 | 44.56635 | 10.77183 | 31.43817 |
| 4/18/2025 | 7:00:00 AM | 33.80121 | 52.89716 | 19.09595 | 28.28405 | 37.01596 | 3.21475 | 45.12525 | 33.70323 | -0.09798 | 49.56798 | 44.57349 | 10.77228 | 31.43772 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/18/2025 | 8:00:00 AM | 33.8079 | 52.90431 | 19.09641 | 28.28359 | 37.01238 | 3.20448 | 45.13552 | 33.70686 | -0.10104 | 49.57104 | 44.57349 | 10.76559 | 31.44441 |
| 4/18/2025 | 9:00:00 AM | 33.81124 | 52.90431 | 19.09307 | 28.28693 | 37.01238 | 3.20114 | 45.13886 | 33.71049 | -0.10075 | 49.57075 | 44.57349 | 10.76225 | 31.44775 |
| 4/18/2025 | 10:00:00 AM | 33.81459 | 52.88643 | 19.07184 | 28.30816 | 37.01238 | 3.19779 | 45.14221 | 33.69959 | -0.115 | 49.585 | 44.57706 | 10.76247 | 31.44753 |
| 4/18/2025 | 11:00:00 AM | 33.82128 | 52.87213 | 19.05085 | 28.32915 | 37.01238 | 3.1911 | 45.1489 | 33.69959 | -0.12169 | 49.59169 | 44.57349 | 10.75221 | 31.45779 |
| 4/18/2025 | 12:00:00 PM | 33.84803 | 52.86855 | 19.02052 | 28.35948 | 37.01954 | 3.17151 | 45.16849 | 33.69232 | -0.15571 | 49.62571 | 44.57349 | 10.72546 | 31.48454 |
| 4/18/2025 | 1:00:00 PM | 33.85806 | 52.8614 | 19.00334 | 28.37666 | 37.01596 | 3.1579 | 45.1821 | 33.68505 | -0.17301 | 49.64301 | 44.57349 | 10.71543 | 31.49457 |
| 4/18/2025 | 2:00:00 PM | 33.92828 | 52.85425 | 18.92597 | 28.45403 | 37.01954 | 3.09126 | 45.24874 | 33.66688 | -0.2614 | 49.7314 | 44.55921 | 10.63093 | 31.57907 |
| 4/18/2025 | 3:00:00 PM | 33.93832 | 52.82206 | 18.88374 | 28.49626 | 37.01238 | 3.07406 | 45.26594 | 33.65962 | -0.2787 | 49.7487 | 44.54849 | 10.61017 | 31.59983 |
| 4/18/2025 | 4:00:00 PM | 33.9216 | 52.81133 | 18.88973 | 28.49027 | 37.01238 | 3.09078 | 45.24922 | 33.64508 | -0.27652 | 49.74652 | 44.54135 | 10.61975 | 31.59025 |
| 4/18/2025 | 5:00:00 PM | 33.91491 | 52.80776 | 18.89285 | 28.48715 | 37.01596 | 3.10105 | 45.23895 | 33.63418 | -0.28073 | 49.75073 | 44.53064 | 10.61573 | 31.59427 |
| 4/18/2025 | 6:00:00 PM | 33.90488 | 52.78988 | 18.885 | 28.495 | 37.0088 | 3.10392 | 45.23608 | 33.62691 | -0.27797 | 49.74797 | 44.52349 | 10.61861 | 31.59139 |
| 4/18/2025 | 7:00:00 PM | 33.89819 | 52.77915 | 18.88096 | 28.49904 | 37.00522 | 3.10703 | 45.23297 | 33.61601 | -0.28218 | 49.75218 | 44.51635 | 10.61816 | 31.59184 |
| 4/18/2025 | 8:00:00 PM | 33.87812 | 52.78273 | 18.90461 | 28.47539 | 37.00164 | 3.12352 | 45.21648 | 33.61237 | -0.26575 | 49.73575 | 44.50564 | 10.62752 | 31.58248 |
| 4/18/2025 | 9:00:00 PM | 33.87812 | 52.80061 | 18.92249 | 28.45751 | 36.99806 | 3.11994 | 45.22006 | 33.61601 | -0.26211 | 49.73211 | 44.50564 | 10.62752 | 31.58248 |
| 4/18/2025 | 10:00:00 PM | 33.88147 | 52.81491 | 18.93344 | 28.44656 | 36.99448 | 3.11301 | 45.22699 | 33.62691 | -0.25456 | 49.72456 | 44.51278 | 10.63131 | 31.57869 |
| 4/18/2025 | 11:00:00 PM | 33.86809 | 52.81133 | 18.94324 | 28.43676 | 36.9909 | 3.12281 | 45.21719 | 33.62327 | -0.24482 | 49.71482 | 44.50564 | 10.63755 | 31.57245 |
| 4/19/2025 | 12:00:00 AM | 33.86475 | 52.82564 | 18.96089 | 28.41911 | 36.9909 | 3.12615 | 45.21385 | 33.63054 | -0.23421 | 49.70421 | 44.50207 | 10.63732 | 31.57268 |
| 4/19/2025 | 1:00:00 AM | 33.8614 | 52.82206 | 18.96066 | 28.41934 | 36.98016 | 3.11876 | 45.22124 | 33.63054 | -0.23086 | 49.70086 | 44.50921 | 10.64781 | 31.56219 |
| 4/19/2025 | 2:00:00 AM | 33.85806 | 52.83637 | 18.97831 | 28.40169 | 36.98374 | 3.12568 | 45.21432 | 33.63418 | -0.22388 | 49.69388 | 44.50921 | 10.65115 | 31.55885 |
| 4/19/2025 | 3:00:00 AM | 33.8614 | 52.85425 | 18.99285 | 28.38715 | 36.98374 | 3.12234 | 45.21766 | 33.64871 | -0.21269 | 49.68269 | 44.51635 | 10.65495 | 31.55505 |
| 4/19/2025 | 4:00:00 AM | 33.86475 | 52.86855 | 19.0038 | 28.3762 | 36.9909 | 3.12615 | 45.21385 | 33.65235 | -0.2124 | 49.6824 | 44.51992 | 10.65517 | 31.55483 |
| 4/19/2025 | 5:00:00 AM | 33.86475 | 52.8757 | 19.01095 | 28.36905 | 36.98374 | 3.11899 | 45.22101 | 33.66688 | -0.19787 | 49.66787 | 44.52349 | 10.65874 | 31.55126 |
| 4/19/2025 | 6:00:00 AM | 33.86809 | 52.89001 | 19.02192 | 28.35808 | 36.98016 | 3.11207 | 45.22793 | 33.67052 | -0.19757 | 49.66757 | 44.52707 | 10.65898 | 31.55102 |
| 4/19/2025 | 7:00:00 AM | 33.86809 | 52.90074 | 19.03265 | 28.34735 | 36.98374 | 3.11565 | 45.22435 | 33.67779 | -0.1903 | 49.6603 | 44.53778 | 10.66969 | 31.54031 |
| 4/19/2025 | 8:00:00 AM | 33.88147 | 52.91862 | 19.03715 | 28.34285 | 36.99448 | 3.11301 | 45.22699 | 33.69596 | -0.18551 | 49.65551 | 44.54849 | 10.66702 | 31.54298 |
| 4/19/2025 | 9:00:00 AM | 33.88481 | 52.94007 | 19.05526 | 28.32474 | 36.99448 | 3.10967 | 45.23033 | 33.70323 | -0.18158 | 49.65158 | 44.55564 | 10.67083 | 31.53917 |
| 4/19/2025 | 10:00:00 AM | 33.89819 | 52.94723 | 19.04904 | 28.33096 | 36.99806 | 3.09987 | 45.24013 | 33.7214 | -0.17679 | 49.64679 | 44.55921 | 10.66102 | 31.54898 |
| 4/19/2025 | 11:00:00 AM | 33.90822 | 52.9508 | 19.04258 | 28.33742 | 37.00164 | 3.09342 | 45.24658 | 33.72866 | -0.17956 | 49.64956 | 44.57349 | 10.66527 | 31.54473 |
| 4/19/2025 | 12:00:00 PM | 33.91491 | 52.96153 | 19.04662 | 28.33338 | 37.00164 | 3.08673 | 45.25327 | 33.73593 | -0.17898 | 49.64898 | 44.59135 | 10.67644 | 31.53356 |
| 4/19/2025 | 1:00:00 PM | 33.93163 | 52.96868 | 19.03705 | 28.34295 | 37.00522 | 3.07359 | 45.26641 | 33.7323 | -0.19933 | 49.66933 | 44.58778 | 10.65615 | 31.55385 |
| 4/19/2025 | 2:00:00 PM | 33.99516 | 52.97941 | 18.98425 | 28.39575 | 37.0088 | 3.01364 | 45.32636 | 33.74684 | -0.24832 | 49.71832 | 44.60206 | 10.6069 | 31.6031 |
| 4/19/2025 | 3:00:00 PM | 34.00185 | 52.96868 | 18.96683 | 28.41317 | 37.01596 | 3.01411 | 45.32589 | 33.75047 | -0.25138 | 49.72138 | 44.60563 | 10.60378 | 31.60622 |
| 4/19/2025 | 4:00:00 PM | 33.9751 | 52.95438 | 18.97928 | 28.40072 | 37.02312 | 3.04802 | 45.29198 | 33.7432 | -0.2319 | 49.7019 | 44.60563 | 10.63053 | 31.57947 |
| 4/19/2025 | 5:00:00 PM | 33.96172 | 52.9365 | 18.97478 | 28.40522 | 37.02312 | 3.0614 | 45.2786 | 33.7323 | -0.22942 | 49.69942 | 44.59849 | 10.63677 | 31.57323 |
| 4/19/2025 | 6:00:00 PM | 33.95504 | 52.94365 | 18.98861 | 28.39139 | 37.03027 | 3.07523 | 45.26477 | 33.73593 | -0.21911 | 49.68911 | 44.60206 | 10.64702 | 31.56298 |
| 4/19/2025 | 7:00:00 PM | 33.95169 | 52.95438 | 19.00269 | 28.37731 | 37.0267 | 3.07501 | 45.26499 | 33.73957 | -0.21212 | 49.68212 | 44.60921 | 10.65752 | 31.55248 |
| 4/19/2025 | 8:00:00 PM | 33.93832 | 52.96153 | 19.02321 | 28.35679 | 37.03385 | 3.09553 | 45.24447 | 33.75047 | -0.18785 | 49.65785 | 44.61278 | 10.67446 | 31.53554 |
| 4/19/2025 | 9:00:00 PM | 33.94166 | 52.97941 | 19.03775 | 28.34225 | 37.04101 | 3.09935 | 45.24065 | 33.75774 | -0.18392 | 49.65392 | 44.62349 | 10.68183 | 31.52817 |
| 4/19/2025 | 10:00:00 PM | 33.94835 | 53.00087 | 19.05252 | 28.32748 | 37.04101 | 3.09266 | 45.24734 | 33.76501 | -0.18334 | 49.65334 | 44.63778 | 10.68943 | 31.52057 |
| 4/19/2025 | 11:00:00 PM | 33.93832 | 53.00802 | 19.0697 | 28.3103 | 37.05175 | 3.11343 | 45.22657 | 33.77591 | -0.16241 | 49.63241 | 44.64492 | 10.7066 | 31.5034 |
| 4/20/2025 | 12:00:00 AM | 33.94166 | 53.01875 | 19.07709 | 28.30291 | 37.05175 | 3.11009 | 45.22991 | 33.79045 | -0.15121 | 49.62121 | 44.64849 | 10.70683 | 31.50317 |
| 4/20/2025 | 1:00:00 AM | 33.93832 | 53.0259 | 19.08758 | 28.29242 | 37.05891 | 3.12059 | 45.21941 | 33.79045 | -0.14787 | 49.61787 | 44.65563 | 10.71731 | 31.49269 |
| 4/20/2025 | 2:00:00 AM | 33.92828 | 53.0259 | 19.09762 | 28.28238 | 37.05891 | 3.13063 | 45.20937 | 33.79408 | -0.1342 | 49.6042 | 44.6592 | 10.73092 | 31.47908 |
| 4/20/2025 | 3:00:00 AM | 33.92494 | 53.02232 | 19.09738 | 28.28262 | 37.06965 | 3.14471 | 45.19529 | 33.79408 | -0.13086 | 49.60086 | 44.65563 | 10.73069 | 31.47931 |
| 4/20/2025 | 4:00:00 AM | 33.9216 | 53.02947 | 19.10787 | 28.27213 | 37.06607 | 3.14447 | 45.19553 | 33.78681 | -0.13479 | 49.60479 | 44.65563 | 10.73403 | 31.47597 |
| 4/20/2025 | 5:00:00 AM | 33.91491 | 53.0259 | 19.11099 | 28.26901 | 37.07323 | 3.15832 | 45.18168 | 33.78681 | -0.1281 | 49.5981 | 44.6592 | 10.74429 | 31.46571 |
| 4/20/2025 | 6:00:00 AM | 33.91156 | 53.02232 | 19.11076 | 28.26924 | 37.06965 | 3.15809 | 45.18191 | 33.78681 | -0.12475 | 49.59475 | 44.66992 | 10.75836 | 31.45164 |
| 4/20/2025 | 7:00:00 AM | 33.91156 | 53.01875 | 19.10719 | 28.27281 | 37.08039 | 3.16883 | 45.17117 | 33.78318 | -0.12838 | 49.59838 | 44.6592 | 10.74764 | 31.46236 |
| 4/20/2025 | 8:00:00 AM | 33.90822 | 53.03663 | 19.12841 | 28.25159 | 37.07681 | 3.16859 | 45.17141 | 33.78681 | -0.12141 | 49.59141 | 44.6592 | 10.75098 | 31.45902 |
| 4/20/2025 | 9:00:00 AM | 33.91491 | 53.02947 | 19.11456 | 28.26544 | 37.08755 | 3.17264 | 45.16736 | 33.78681 | -0.1281 | 49.5981 | 44.66277 | 10.74786 | 31.46214 |
| 4/20/2025 | 10:00:00 AM | 33.91491 | 53.02947 | 19.11456 | 28.26544 | 37.08755 | 3.17264 | 45.16736 | 33.78681 | -0.1281 | 49.5981 | 44.6592 | 10.74429 | 31.46571 |
| 4/20/2025 | 11:00:00 AM | 33.9216 | 53.03663 | 19.11503 | 28.26497 | 37.08755 | 3.16595 | 45.17405 | 33.78681 | -0.13479 | 49.60479 | 44.65563 | 10.73403 | 31.47597 |
| 4/20/2025 | 12:00:00 PM | 33.90153 | 52.99014 | 19.08861 | 28.29139 | 37.09113 | 3.1896 | 45.1504 | 33.78681 | -0.11472 | 49.58472 | 44.6592 | 10.75767 | 31.45233 |
| 4/20/2025 | 1:00:00 PM | 33.89819 | 52.97583 | 19.07764 | 28.30236 | 37.09113 | 3.19294 | 45.14706 | 33.77591 | -0.12228 | 49.59228 | 44.64849 | 10.7503 | 31.4597 |
| 4/20/2025 | 2:00:00 PM | 33.91491 | 52.97583 | 19.06092 | 28.31908 | 37.09471 | 3.1798 | 45.1602 | 33.77227 | -0.14264 | 49.61264 | 44.64492 | 10.73001 | 31.47999 |
| 4/20/2025 | 3:00:00 PM | 33.91156 | 52.96153 | 19.04997 | 28.33003 | 37.09113 | 3.17957 | 45.16043 | 33.76501 | -0.14655 | 49.61655 | 44.64135 | 10.72979 | 31.48021 |
| 4/20/2025 | 4:00:00 PM | 33.89819 | 52.94007 | 19.04188 | 28.33812 | 37.09113 | 3.19294 | 45.14706 | 33.7432 | -0.15499 | 49.62499 | 44.63778 | 10.73959 | 31.47041 |
| 4/20/2025 | 5:00:00 PM | 33.8915 | 52.9365 | 19.045 | 28.335 | 37.09113 | 3.19963 | 45.14037 | 33.73957 | -0.15193 | 49.62193 | 44.62706 | 10.73556 | 31.47444 |
| 4/20/2025 | 6:00:00 PM | 33.8915 | 52.94723 | 19.05573 | 28.32427 | 37.09829 | 3.20679 | 45.13321 | 33.7323 | -0.1592 | 49.6292 | 44.61992 | 10.72842 | 31.48158 |
| 4/20/2025 | 7:00:00 PM | 33.88147 | 52.93292 | 19.05145 | 28.32855 | 37.08755 | 3.20608 | 45.13392 | 33.72503 | -0.15644 | 49.62644 | 44.60563 | 10.72416 | 31.48584 |
| 4/20/2025 | 8:00:00 PM | 33.86475 | 52.92935 | 19.0646 | 28.3154 | 37.09113 | 3.22638 | 45.11362 | 33.71776 | -0.14699 | 49.61699 | 44.60206 | 10.73731 | 31.47269 |
| 4/20/2025 | 9:00:00 PM | 33.87144 | 52.9508 | 19.07936 | 28.30064 | 37.08397 | 3.21253 | 45.12747 | 33.72503 | -0.14641 | 49.61641 | 44.60206 | 10.73062 | 31.47938 |
| 4/20/2025 | 10:00:00 PM | 33.87144 | 52.96511 | 19.09367 | 28.28633 | 37.08755 | 3.21611 | 45.12389 | 33.72866 | -0.14278 | 49.61278 | 44.60921 | 10.73777 | 31.47223 |
| 4/20/2025 | 11:00:00 PM | 33.85806 | 52.97941 | 19.12135 | 28.25865 | 37.08397 | 3.22591 | 45.11409 | 33.72866 | -0.1294 | 49.5994 | 44.60206 | 10.744 | 31.466 |
| 4/21/2025 | 12:00:00 AM | 33.85137 | 52.97226 | 19.12089 | 28.25911 | 37.07681 | 3.22544 | 45.11456 | 33.7432 | -0.10817 | 49.57817 | 44.60206 | 10.75069 | 31.45931 |
| 4/21/2025 | 1:00:00 AM | 33.84468 | 52.99014 | 19.14546 | 28.23454 | 37.08397 | 3.23929 | 45.10071 | 33.74684 | -0.09784 | 49.56784 | 44.60921 | 10.76453 | 31.44547 |
| 4/21/2025 | 2:00:00 AM | 33.84134 | 52.98656 | 19.14522 | 28.23478 | 37.08039 | 3.23905 | 45.10095 | 33.74684 | -0.0945 | 49.5645 | 44.60563 | 10.76429 | 31.44571 |
| 4/21/2025 | 3:00:00 AM | 33.838 | 52.99371 | 19.15571 | 28.22429 | 37.07681 | 3.23881 | 45.10119 | 33.7432 | -0.0948 | 49.5648 | 44.60921 | 10.77121 | 31.43879 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/21/2025 | 4:00:00 AM | 33.84468 | 53.00444 | 19.15976 | 28.22024 | 37.07681 | 3.23213 | 45.10787 | 33.75047 | -0.09421 | 49.56421 | 44.61992 | 10.77524 | 31.43476 |
| 4/21/2025 | 5:00:00 AM | 33.81459 | 52.92577 | 19.11118 | 28.26882 | 37.08039 | 3.2658 | 45.0742 | 33.7541 | -0.06049 | 49.53049 | 44.61992 | 10.80533 | 31.40467 |
| 4/21/2025 | 6:00:00 AM | 33.81793 | 52.9365 | 19.11857 | 28.26143 | 37.08397 | 3.26604 | 45.07396 | 33.75774 | -0.06019 | 49.53019 | 44.62349 | 10.80556 | 31.40444 |
| 4/21/2025 | 7:00:00 AM | 33.82796 | 52.95438 | 19.12642 | 28.25358 | 37.08397 | 3.25601 | 45.08399 | 33.76501 | -0.06295 | 49.53295 | 44.6342 | 10.80624 | 31.40376 |
| 4/21/2025 | 8:00:00 AM | 33.838 | 52.96511 | 19.12711 | 28.25289 | 37.08039 | 3.24239 | 45.09761 | 33.77227 | -0.06573 | 49.53573 | 44.6342 | 10.7962 | 31.4138 |
| 4/21/2025 | 9:00:00 AM | 33.84134 | 52.97941 | 19.13807 | 28.24193 | 37.08755 | 3.24621 | 45.09379 | 33.78681 | -0.05453 | 49.52453 | 44.65206 | 10.81072 | 31.39928 |
| 4/21/2025 | 10:00:00 AM | 33.85137 | 52.99014 | 19.13877 | 28.24123 | 37.09113 | 3.23976 | 45.10024 | 33.79771 | -0.05366 | 49.52366 | 44.64492 | 10.79355 | 31.41645 |
| 4/21/2025 | 11:00:00 AM | 33.86475 | 53.00087 | 19.13612 | 28.24388 | 37.09113 | 3.22638 | 45.11362 | 33.79771 | -0.06704 | 49.53704 | 44.6592 | 10.79445 | 31.41555 |
| 4/21/2025 | 12:00:00 PM | 33.87144 | 53.00802 | 19.13658 | 28.24342 | 37.09471 | 3.22327 | 45.11673 | 33.80498 | -0.06646 | 49.53646 | 44.6592 | 10.78776 | 31.42224 |
| 4/21/2025 | 1:00:00 PM | 33.87144 | 53.01159 | 19.14015 | 28.23985 | 37.10187 | 3.23043 | 45.10957 | 33.79771 | -0.07373 | 49.54373 | 44.66992 | 10.79848 | 31.41152 |
| 4/21/2025 | 2:00:00 PM | 33.91825 | 53.01159 | 19.09334 | 28.28666 | 37.10545 | 3.1872 | 45.1528 | 33.79771 | -0.12054 | 49.59054 | 44.66635 | 10.7481 | 31.4619 |
| 4/21/2025 | 3:00:00 PM | 33.93497 | 53.00087 | 19.0659 | 28.3141 | 37.10187 | 3.1669 | 45.1731 | 33.79408 | -0.14089 | 49.61089 | 44.66992 | 10.73495 | 31.47505 |
| 4/21/2025 | 4:00:00 PM | 33.91491 | 53.00087 | 19.08596 | 28.29404 | 37.10902 | 3.19411 | 45.14589 | 33.78681 | -0.1281 | 49.5981 | 44.66635 | 10.75144 | 31.45856 |
| 4/21/2025 | 5:00:00 PM | 33.91156 | 52.99371 | 19.08215 | 28.29785 | 37.10902 | 3.19746 | 45.14254 | 33.78318 | -0.12838 | 49.59838 | 44.6592 | 10.74764 | 31.46236 |
| 4/21/2025 | 6:00:00 PM | 33.90488 | 52.98656 | 19.08168 | 28.29832 | 37.10902 | 3.20414 | 45.13586 | 33.77591 | -0.12897 | 49.59897 | 44.6592 | 10.75432 | 31.45568 |
| 4/21/2025 | 7:00:00 PM | 33.89484 | 52.98299 | 19.08815 | 28.29185 | 37.1126 | 3.21776 | 45.12224 | 33.77591 | -0.11893 | 49.58893 | 44.65206 | 10.75722 | 31.45278 |
| 4/21/2025 | 8:00:00 PM | 33.88481 | 52.99014 | 19.10533 | 28.27467 | 37.10902 | 3.22421 | 45.11579 | 33.77591 | -0.1089 | 49.5789 | 44.65563 | 10.77082 | 31.43918 |
| 4/21/2025 | 9:00:00 PM | 33.88147 | 53.00087 | 19.1194 | 28.2606 | 37.10902 | 3.22755 | 45.11245 | 33.78681 | -0.09466 | 49.56466 | 44.65206 | 10.77059 | 31.43941 |
| 4/21/2025 | 10:00:00 PM | 33.87478 | 53.01517 | 19.14039 | 28.23961 | 37.10545 | 3.23067 | 45.10933 | 33.79045 | -0.08433 | 49.55433 | 44.65563 | 10.78085 | 31.42915 |
| 4/21/2025 | 11:00:00 PM | 33.86475 | 53.02947 | 19.16472 | 28.21528 | 37.11976 | 3.25501 | 45.08499 | 33.80498 | -0.05977 | 49.52977 | 44.66635 | 10.8016 | 31.4084 |
| 4/22/2025 | 12:00:00 AM | 33.8614 | 53.03305 | 19.17165 | 28.20835 | 37.11976 | 3.25836 | 45.08164 | 33.80135 | -0.06005 | 49.53005 | 44.66635 | 10.80495 | 31.40505 |
| 4/22/2025 | 1:00:00 AM | 33.85472 | 53.03663 | 19.18191 | 28.19809 | 37.11618 | 3.26146 | 45.07854 | 33.80862 | -0.0461 | 49.5161 | 44.67349 | 10.81877 | 31.39123 |
| 4/22/2025 | 2:00:00 AM | 33.84468 | 53.0259 | 19.18122 | 28.19878 | 37.11618 | 3.2715 | 45.0685 | 33.81225 | -0.03243 | 49.50243 | 44.66992 | 10.82524 | 31.38476 |
| 4/22/2025 | 3:00:00 AM | 33.84468 | 53.03663 | 19.19195 | 28.18805 | 37.12334 | 3.27866 | 45.06134 | 33.80862 | -0.03606 | 49.50606 | 44.67706 | 10.83238 | 31.37762 |
| 4/22/2025 | 4:00:00 AM | 33.83465 | 53.03305 | 19.1984 | 28.1816 | 37.12334 | 3.28869 | 45.05131 | 33.81225 | -0.0224 | 49.4924 | 44.68063 | 10.84598 | 31.36402 |
| 4/22/2025 | 5:00:00 AM | 33.83131 | 53.03305 | 19.20174 | 28.17826 | 37.11618 | 3.28487 | 45.05513 | 33.80862 | -0.02269 | 49.49269 | 44.67349 | 10.84218 | 31.36782 |
| 4/22/2025 | 6:00:00 AM | 33.82462 | 53.02947 | 19.20485 | 28.17515 | 37.12692 | 3.3023 | 45.0377 | 33.80498 | -0.01964 | 49.48964 | 44.68063 | 10.85601 | 31.35399 |
| 4/22/2025 | 7:00:00 AM | 33.81459 | 53.03663 | 19.22204 | 28.15796 | 37.13408 | 3.31949 | 45.02051 | 33.80862 | -0.00597 | 49.47597 | 44.6842 | 10.86961 | 31.34039 |
| 4/22/2025 | 8:00:00 AM | 33.82128 | 53.03305 | 19.21177 | 28.16823 | 37.13408 | 3.3128 | 45.0272 | 33.80498 | -0.0163 | 49.4863 | 44.67706 | 10.85578 | 31.35422 |
| 4/22/2025 | 9:00:00 AM | 33.82462 | 53.0402 | 19.21558 | 28.16442 | 37.1305 | 3.30588 | 45.03412 | 33.81588 | -0.00874 | 49.47874 | 44.68063 | 10.85601 | 31.35399 |
| 4/22/2025 | 10:00:00 AM | 33.83131 | 53.0402 | 19.20889 | 28.17111 | 37.13766 | 3.30635 | 45.03365 | 33.81952 | -0.01179 | 49.48179 | 44.6842 | 10.85289 | 31.35711 |
| 4/22/2025 | 11:00:00 AM | 33.83465 | 53.0259 | 19.19125 | 28.18875 | 37.14482 | 3.31017 | 45.02983 | 33.80862 | -0.02603 | 49.49603 | 44.68777 | 10.85312 | 31.35688 |
| 4/22/2025 | 12:00:00 PM | 33.84468 | 53.00802 | 19.16334 | 28.21666 | 37.13766 | 3.29298 | 45.04702 | 33.79045 | -0.05423 | 49.52423 | 44.67706 | 10.83238 | 31.37762 |
| 4/22/2025 | 1:00:00 PM | 33.8614 | 52.99729 | 19.13589 | 28.24411 | 37.13766 | 3.27626 | 45.06374 | 33.79045 | -0.07095 | 49.54095 | 44.66992 | 10.80852 | 31.40148 |
| 4/22/2025 | 2:00:00 PM | 33.92828 | 52.99371 | 19.06543 | 28.31457 | 37.13408 | 3.2058 | 45.1342 | 33.77954 | -0.14874 | 49.61874 | 44.65206 | 10.72378 | 31.48622 |
| 4/22/2025 | 3:00:00 PM | 33.92828 | 52.96868 | 19.0404 | 28.3396 | 37.13766 | 3.20938 | 45.13062 | 33.76864 | -0.15964 | 49.62964 | 44.65206 | 10.72378 | 31.48622 |
| 4/22/2025 | 4:00:00 PM | 33.91491 | 52.96153 | 19.04662 | 28.33338 | 37.13408 | 3.21917 | 45.12083 | 33.76137 | -0.15354 | 49.62354 | 44.63778 | 10.72287 | 31.48713 |
| 4/22/2025 | 5:00:00 PM | 33.90488 | 52.94007 | 19.03519 | 28.34481 | 37.13766 | 3.23278 | 45.10722 | 33.73957 | -0.16531 | 49.63531 | 44.63063 | 10.72575 | 31.48425 |
| 4/22/2025 | 6:00:00 PM | 33.8915 | 52.93292 | 19.04142 | 28.33858 | 37.12692 | 3.23542 | 45.10458 | 33.7323 | -0.1592 | 49.6292 | 44.62706 | 10.73556 | 31.47444 |
| 4/22/2025 | 7:00:00 PM | 33.8915 | 52.92219 | 19.03069 | 28.34931 | 37.12334 | 3.23184 | 45.10816 | 33.72866 | -0.16284 | 49.63284 | 44.61278 | 10.72128 | 31.48872 |
| 4/22/2025 | 8:00:00 PM | 33.87478 | 52.91504 | 19.04026 | 28.33974 | 37.1126 | 3.23782 | 45.10218 | 33.71776 | -0.15702 | 49.62702 | 44.60563 | 10.73085 | 31.47915 |
| 4/22/2025 | 9:00:00 PM | 33.86475 | 52.92577 | 19.06102 | 28.31898 | 37.11976 | 3.25501 | 45.08499 | 33.71776 | -0.14699 | 49.61699 | 44.60206 | 10.73731 | 31.47269 |
| 4/22/2025 | 10:00:00 PM | 33.85137 | 52.9365 | 19.08513 | 28.29487 | 37.1126 | 3.26123 | 45.07877 | 33.7214 | -0.12997 | 49.59997 | 44.59492 | 10.74355 | 31.46645 |
| 4/22/2025 | 11:00:00 PM | 33.84468 | 52.93292 | 19.08824 | 28.29176 | 37.11618 | 3.2715 | 45.0685 | 33.7323 | -0.11238 | 49.58238 | 44.59492 | 10.75024 | 31.45976 |
| 4/23/2025 | 12:00:00 AM | 33.83465 | 52.94723 | 19.11258 | 28.26742 | 37.10545 | 3.2708 | 45.0692 | 33.72866 | -0.10599 | 49.57599 | 44.59492 | 10.76027 | 31.44973 |
| 4/23/2025 | 1:00:00 AM | 33.82796 | 52.9508 | 19.12284 | 28.25716 | 37.10187 | 3.27391 | 45.06609 | 33.72866 | -0.0993 | 49.5693 | 44.59849 | 10.77053 | 31.43947 |
| 4/23/2025 | 2:00:00 AM | 33.81793 | 52.95438 | 19.13645 | 28.24355 | 37.09829 | 3.28036 | 45.05964 | 33.7323 | -0.08563 | 49.55563 | 44.59849 | 10.78056 | 31.42944 |
| 4/23/2025 | 3:00:00 AM | 33.81793 | 52.9508 | 19.13287 | 28.24713 | 37.10187 | 3.28394 | 45.05606 | 33.72503 | -0.0929 | 49.5629 | 44.58778 | 10.76985 | 31.44015 |
| 4/23/2025 | 4:00:00 AM | 33.80121 | 52.94365 | 19.14244 | 28.23756 | 37.09471 | 3.2935 | 45.0465 | 33.71776 | -0.08345 | 49.55345 | 44.59492 | 10.79371 | 31.41629 |
| 4/23/2025 | 5:00:00 AM | 33.79452 | 52.94723 | 19.15271 | 28.22729 | 37.09471 | 3.30019 | 45.03981 | 33.71776 | -0.07676 | 49.54676 | 44.59492 | 10.8004 | 31.4096 |
| 4/23/2025 | 6:00:00 AM | 33.78449 | 52.94007 | 19.15558 | 28.22442 | 37.09471 | 3.31022 | 45.02978 | 33.70686 | -0.07763 | 49.54763 | 44.58063 | 10.79614 | 31.41386 |
| 4/23/2025 | 7:00:00 AM | 33.7778 | 52.91504 | 19.13724 | 28.24276 | 37.09113 | 3.31333 | 45.02667 | 33.71049 | -0.06731 | 49.53731 | 44.57349 | 10.79569 | 31.41431 |
| 4/23/2025 | 8:00:00 AM | 33.78115 | 52.91862 | 19.13747 | 28.24253 | 37.09471 | 3.31356 | 45.02644 | 33.71776 | -0.06339 | 49.53339 | 44.59135 | 10.8102 | 31.3998 |
| 4/23/2025 | 9:00:00 AM | 33.78115 | 52.91146 | 19.13031 | 28.24969 | 37.08755 | 3.3064 | 45.0336 | 33.71776 | -0.06339 | 49.53339 | 44.58421 | 10.80306 | 31.40694 |
| 4/23/2025 | 10:00:00 AM | 33.78784 | 52.90789 | 19.12005 | 28.25995 | 37.08755 | 3.29971 | 45.04029 | 33.71049 | -0.07735 | 49.54735 | 44.58063 | 10.79279 | 31.41721 |
| 4/23/2025 | 11:00:00 AM | 33.79118 | 52.90431 | 19.11313 | 28.26687 | 37.08039 | 3.28921 | 45.05079 | 33.70323 | -0.08795 | 49.55795 | 44.57706 | 10.78588 | 31.42412 |
| 4/23/2025 | 12:00:00 PM | 33.80456 | 52.88643 | 19.08187 | 28.29813 | 37.09113 | 3.28657 | 45.05343 | 33.69959 | -0.10497 | 49.57497 | 44.56992 | 10.76536 | 31.44464 |
| 4/23/2025 | 1:00:00 PM | 33.82128 | 52.86855 | 19.04727 | 28.33273 | 37.08397 | 3.26269 | 45.07731 | 33.68505 | -0.13623 | 49.60623 | 44.55921 | 10.73793 | 31.47207 |
| 4/23/2025 | 2:00:00 PM | 33.87478 | 52.85067 | 18.97589 | 28.40411 | 37.07323 | 3.19845 | 45.14155 | 33.66325 | -0.21153 | 49.68153 | 44.54849 | 10.67371 | 31.53629 |
| 4/23/2025 | 3:00:00 PM | 33.88147 | 52.83637 | 18.9549 | 28.4251 | 37.07323 | 3.19176 | 45.14824 | 33.65235 | -0.22912 | 49.69912 | 44.53421 | 10.65274 | 31.55726 |
| 4/23/2025 | 4:00:00 PM | 33.86809 | 52.81849 | 18.9504 | 28.4296 | 37.06965 | 3.20156 | 45.13844 | 33.64144 | -0.22665 | 49.69665 | 44.52349 | 10.6554 | 31.5546 |
| 4/23/2025 | 5:00:00 PM | 33.8614 | 52.80776 | 18.94636 | 28.43364 | 37.06249 | 3.20109 | 45.13891 | 33.61964 | -0.24176 | 49.71176 | 44.50921 | 10.64781 | 31.56219 |
| 4/23/2025 | 6:00:00 PM | 33.85137 | 52.79703 | 18.94566 | 28.43434 | 37.05175 | 3.20038 | 45.13962 | 33.61601 | -0.23536 | 49.70536 | 44.50207 | 10.6507 | 31.5593 |
| 4/23/2025 | 7:00:00 PM | 33.84803 | 52.7863 | 18.93827 | 28.44173 | 37.04817 | 3.20014 | 45.13986 | 33.60874 | -0.23929 | 49.70929 | 44.48064 | 10.63261 | 31.57739 |
| 4/23/2025 | 8:00:00 PM | 33.83131 | 52.77915 | 18.94784 | 28.43216 | 37.04101 | 3.2097 | 45.1303 | 33.5942 | -0.23711 | 49.70711 | 44.47707 | 10.64576 | 31.56424 |
| 4/23/2025 | 9:00:00 PM | 33.81793 | 52.7863 | 18.96837 | 28.41163 | 37.03743 | 3.2195 | 45.1205 | 33.59783 | -0.2201 | 49.6901 | 44.46992 | 10.65199 | 31.55801 |
| 4/23/2025 | 10:00:00 PM | 33.8079 | 52.7863 | 18.9784 | 28.4016 | 37.03027 | 3.22237 | 45.11763 | 33.5942 | -0.2137 | 49.6837 | 44.46992 | 10.66202 | 31.54798 |
| 4/23/2025 | 11:00:00 PM | 33.79452 | 52.79345 | 18.99893 | 28.38107 | 37.02312 | 3.2286 | 45.1114 | 33.59783 | -0.19669 | 49.66669 | 44.45921 | 10.66469 | 31.54531 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/24/2025 | 12:00:00 AM | 33.79118 | 52.80061 | 19.00943 | 28.37057 | 37.01596 | 3.22478 | 45.11522 | 33.5942 | -0.19698 | 49.66698 | 44.45564 | 10.66446 | 31.54554 |
| 4/24/2025 | 1:00:00 AM | 33.78449 | 52.81133 | 19.02684 | 28.35316 | 37.01596 | 3.23147 | 45.10853 | 33.60147 | -0.18302 | 49.65302 | 44.45921 | 10.67472 | 31.53528 |
| 4/24/2025 | 2:00:00 AM | 33.7778 | 52.80061 | 19.02281 | 28.35719 | 37.0088 | 3.231 | 45.109 | 33.59783 | -0.17997 | 49.64997 | 44.46278 | 10.68498 | 31.52502 |
| 4/24/2025 | 3:00:00 AM | 33.76443 | 52.80418 | 19.03975 | 28.34025 | 37.0088 | 3.24437 | 45.09563 | 33.59057 | -0.17386 | 49.64386 | 44.45564 | 10.69121 | 31.51879 |
| 4/24/2025 | 4:00:00 AM | 33.75774 | 52.80776 | 19.05002 | 28.32998 | 37.00164 | 3.2439 | 45.0961 | 33.58693 | -0.17081 | 49.64081 | 44.45921 | 10.70147 | 31.50853 |
| 4/24/2025 | 5:00:00 AM | 33.74771 | 52.80418 | 19.05647 | 28.32353 | 36.99448 | 3.24677 | 45.09323 | 33.59057 | -0.15714 | 49.62714 | 44.45207 | 10.70436 | 31.50564 |
| 4/24/2025 | 6:00:00 AM | 33.73768 | 52.79703 | 19.05935 | 28.32065 | 36.99806 | 3.26038 | 45.07962 | 33.58693 | -0.15075 | 49.62075 | 44.44493 | 10.70725 | 31.50275 |
| 4/24/2025 | 7:00:00 AM | 33.74102 | 52.7863 | 19.04528 | 28.33472 | 36.98732 | 3.2463 | 45.0937 | 33.5833 | -0.15772 | 49.62772 | 44.44135 | 10.70033 | 31.50967 |
| 4/24/2025 | 8:00:00 AM | 33.73433 | 52.79345 | 19.05912 | 28.32088 | 36.98732 | 3.25299 | 45.08701 | 33.5833 | -0.15103 | 49.62103 | 44.44493 | 10.7106 | 31.4994 |
| 4/24/2025 | 9:00:00 AM | 33.74102 | 52.78273 | 19.04171 | 28.33829 | 36.98374 | 3.24272 | 45.09728 | 33.5833 | -0.15772 | 49.62772 | 44.44135 | 10.70033 | 31.50967 |
| 4/24/2025 | 10:00:00 AM | 33.7243 | 52.72551 | 19.00121 | 28.37879 | 36.98374 | 3.25944 | 45.08056 | 33.57603 | -0.14827 | 49.61827 | 44.43778 | 10.71348 | 31.49652 |
| 4/24/2025 | 11:00:00 AM | 33.73433 | 52.72193 | 18.9876 | 28.3924 | 36.97658 | 3.24225 | 45.09775 | 33.56876 | -0.16557 | 49.63557 | 44.43778 | 10.70345 | 31.50655 |
| 4/24/2025 | 12:00:00 PM | 33.74436 | 52.6969 | 18.95254 | 28.42746 | 36.96942 | 3.22506 | 45.11494 | 33.55059 | -0.19377 | 49.66377 | 44.41993 | 10.67557 | 31.53443 |
| 4/24/2025 | 1:00:00 PM | 33.7544 | 52.67544 | 18.92104 | 28.45896 | 36.96584 | 3.21144 | 45.12856 | 33.53605 | -0.21835 | 49.68835 | 44.35921 | 10.60481 | 31.60519 |
| 4/24/2025 | 2:00:00 PM | 33.82128 | 52.67544 | 18.85416 | 28.52584 | 36.9551 | 3.13382 | 45.20618 | 33.52152 | -0.29976 | 49.76976 | 44.3985 | 10.57722 | 31.63278 |
| 4/24/2025 | 3:00:00 PM | 33.82128 | 52.65041 | 18.82913 | 28.55087 | 36.9551 | 3.13382 | 45.20618 | 33.51061 | -0.31067 | 49.78067 | 44.36993 | 10.54865 | 31.66135 |
| 4/24/2025 | 4:00:00 PM | 33.81459 | 52.63253 | 18.81794 | 28.56206 | 36.95153 | 3.13694 | 45.20306 | 33.49244 | -0.32215 | 49.79215 | 44.3735 | 10.55891 | 31.65109 |
| 4/24/2025 | 5:00:00 PM | 33.80456 | 52.6218 | 18.81724 | 28.56276 | 36.94437 | 3.13981 | 45.20019 | 33.48154 | -0.32302 | 49.79302 | 44.35207 | 10.54751 | 31.66249 |
| 4/24/2025 | 6:00:00 PM | 33.79787 | 52.59677 | 18.7989 | 28.5811 | 36.94079 | 3.14292 | 45.19708 | 33.45974 | -0.33813 | 49.80813 | 44.31636 | 10.51849 | 31.69151 |
| 4/24/2025 | 7:00:00 PM | 33.78784 | 52.58247 | 18.79463 | 28.58537 | 36.92647 | 3.13863 | 45.20137 | 33.4561 | -0.33174 | 49.80174 | 44.29493 | 10.50709 | 31.70291 |
| 4/24/2025 | 8:00:00 PM | 33.76443 | 52.57174 | 18.80731 | 28.57269 | 36.91573 | 3.1513 | 45.1887 | 33.43793 | -0.3265 | 49.7965 | 44.31636 | 10.55193 | 31.65807 |
| 4/24/2025 | 9:00:00 PM | 33.76108 | 52.58247 | 18.82139 | 28.55861 | 36.91215 | 3.15107 | 45.18893 | 33.43066 | -0.33042 | 49.80042 | 44.30564 | 10.54456 | 31.66544 |
| 4/24/2025 | 10:00:00 PM | 33.75774 | 52.60035 | 18.84261 | 28.53739 | 36.89783 | 3.14009 | 45.19991 | 33.44157 | -0.31617 | 49.78617 | 44.30922 | 10.55148 | 31.65852 |
| 4/24/2025 | 11:00:00 PM | 33.74771 | 52.61823 | 18.87052 | 28.50948 | 36.89425 | 3.14654 | 45.19346 | 33.44883 | -0.29888 | 49.76888 | 44.30922 | 10.56151 | 31.64849 |
| 4/25/2025 | 12:00:00 AM | 33.74436 | 52.61823 | 18.87387 | 28.50613 | 36.88351 | 3.13915 | 45.20085 | 33.45247 | -0.29189 | 49.76189 | 44.30564 | 10.56128 | 31.64872 |
| 4/25/2025 | 1:00:00 AM | 33.73433 | 52.62538 | 18.89105 | 28.48895 | 36.87993 | 3.1456 | 45.1944 | 33.4561 | -0.27823 | 49.74823 | 44.31279 | 10.57846 | 31.63154 |
| 4/25/2025 | 2:00:00 AM | 33.71761 | 52.61823 | 18.90062 | 28.47938 | 36.87993 | 3.16232 | 45.17768 | 33.45247 | -0.26514 | 49.73514 | 44.30207 | 10.58446 | 31.62554 |
| 4/25/2025 | 3:00:00 AM | 33.71092 | 52.61108 | 18.90016 | 28.47984 | 36.87278 | 3.16186 | 45.17814 | 33.44157 | -0.26935 | 49.73935 | 44.30207 | 10.59115 | 31.61885 |
| 4/25/2025 | 4:00:00 AM | 33.70424 | 52.6075 | 18.90326 | 28.47674 | 36.86204 | 3.1578 | 45.1822 | 33.4343 | -0.26994 | 49.73994 | 44.30564 | 10.6014 | 31.6086 |
| 4/25/2025 | 5:00:00 AM | 33.68417 | 52.58962 | 18.90545 | 28.47455 | 36.85846 | 3.17429 | 45.16571 | 33.43066 | -0.25351 | 49.72351 | 44.29493 | 10.61076 | 31.59924 |
| 4/25/2025 | 6:00:00 AM | 33.68083 | 52.58962 | 18.90879 | 28.47121 | 36.85846 | 3.17763 | 45.16237 | 33.43066 | -0.25017 | 49.72017 | 44.29136 | 10.61053 | 31.59947 |
| 4/25/2025 | 7:00:00 AM | 33.67748 | 52.60035 | 18.92287 | 28.45713 | 36.8513 | 3.17382 | 45.16618 | 33.43066 | -0.24682 | 49.71682 | 44.28779 | 10.61031 | 31.59969 |
| 4/25/2025 | 8:00:00 AM | 33.68417 | 52.61108 | 18.92691 | 28.45309 | 36.84414 | 3.15997 | 45.18003 | 33.44157 | -0.2426 | 49.7126 | 44.2985 | 10.61433 | 31.59567 |
| 4/25/2025 | 9:00:00 AM | 33.69755 | 52.62538 | 18.92783 | 28.45217 | 36.84772 | 3.15017 | 45.18983 | 33.43793 | -0.25962 | 49.72962 | 44.29493 | 10.59738 | 31.61262 |
| 4/25/2025 | 10:00:00 AM | 33.70424 | 52.6218 | 18.91756 | 28.46244 | 36.84414 | 3.1399 | 45.2001 | 33.44157 | -0.26267 | 49.73267 | 44.29136 | 10.58712 | 31.62288 |
| 4/25/2025 | 11:00:00 AM | 33.70758 | 52.6075 | 18.89992 | 28.48008 | 36.83698 | 3.1294 | 45.2106 | 33.43793 | -0.26965 | 49.73965 | 44.29136 | 10.58378 | 31.62622 |
| 4/25/2025 | 12:00:00 PM | 33.71761 | 52.59319 | 18.87558 | 28.50442 | 36.8334 | 3.11579 | 45.22421 | 33.43793 | -0.27968 | 49.74968 | 44.27707 | 10.55946 | 31.65054 |
| 4/25/2025 | 1:00:00 PM | 33.73099 | 52.56816 | 18.83717 | 28.54283 | 36.8334 | 3.10241 | 45.23759 | 33.41249 | -0.3185 | 49.7885 | 44.28064 | 10.54965 | 31.66035 |
| 4/25/2025 | 2:00:00 PM | 33.79118 | 52.56101 | 18.76983 | 28.61017 | 36.82624 | 3.03506 | 45.30494 | 33.40159 | -0.38959 | 49.85959 | 44.26279 | 10.47161 | 31.73839 |
| 4/25/2025 | 3:00:00 PM | 33.69755 | 52.52883 | 18.83128 | 28.54872 | 36.82624 | 3.12869 | 45.21131 | 33.38342 | -0.31413 | 49.78413 | 44.25565 | 10.5581 | 31.6519 |
| 4/25/2025 | 4:00:00 PM | 33.68752 | 52.51452 | 18.827 | 28.553 | 36.80834 | 3.12082 | 45.21918 | 33.36525 | -0.32227 | 49.79227 | 44.24136 | 10.55384 | 31.65616 |
| 4/25/2025 | 5:00:00 PM | 33.68752 | 52.50737 | 18.81985 | 28.56015 | 36.80834 | 3.12082 | 45.21918 | 33.35071 | -0.33681 | 49.80681 | 44.2235 | 10.53598 | 31.67402 |
| 4/25/2025 | 6:00:00 PM | 33.67748 | 52.49307 | 18.81559 | 28.56441 | 36.79761 | 3.12013 | 45.21987 | 33.33981 | -0.33767 | 49.80767 | 44.21993 | 10.54245 | 31.66755 |
| 4/25/2025 | 7:00:00 PM | 33.66745 | 52.48591 | 18.81846 | 28.56154 | 36.79045 | 3.123 | 45.217 | 33.33618 | -0.33127 | 49.80127 | 44.18779 | 10.52034 | 31.68966 |
| 4/25/2025 | 8:00:00 PM | 33.65742 | 52.48949 | 18.83207 | 28.54793 | 36.78329 | 3.12587 | 45.21413 | 33.33254 | -0.32488 | 49.79488 | 44.19493 | 10.53751 | 31.67249 |
| 4/25/2025 | 9:00:00 PM | 33.64404 | 52.49664 | 18.8526 | 28.5274 | 36.78687 | 3.14283 | 45.19717 | 33.33254 | -0.3115 | 49.7815 | 44.19493 | 10.55089 | 31.65911 |
| 4/25/2025 | 10:00:00 PM | 33.63401 | 52.50737 | 18.87336 | 28.50664 | 36.77255 | 3.13854 | 45.20146 | 33.33981 | -0.2942 | 49.7642 | 44.19493 | 10.56092 | 31.64908 |
| 4/25/2025 | 11:00:00 PM | 33.62398 | 52.5181 | 18.89412 | 28.48588 | 36.76897 | 3.14499 | 45.19501 | 33.33618 | -0.2878 | 49.7578 | 44.1985 | 10.57452 | 31.63548 |
| 4/26/2025 | 12:00:00 AM | 33.62398 | 52.52525 | 18.90127 | 28.47873 | 36.76181 | 3.13783 | 45.20217 | 33.34708 | -0.2769 | 49.7469 | 44.1985 | 10.57452 | 31.63548 |
| 4/26/2025 | 1:00:00 AM | 33.62064 | 52.53598 | 18.91534 | 28.46466 | 36.76181 | 3.14117 | 45.19883 | 33.35071 | -0.26993 | 49.73993 | 44.19493 | 10.57429 | 31.63571 |
| 4/26/2025 | 2:00:00 AM | 33.60392 | 52.53598 | 18.93206 | 28.44794 | 36.75107 | 3.14715 | 45.19285 | 33.35798 | -0.24594 | 49.71594 | 44.1985 | 10.59458 | 31.61542 |
| 4/26/2025 | 3:00:00 AM | 33.60392 | 52.55028 | 18.94636 | 28.43364 | 36.75107 | 3.14715 | 45.19285 | 33.35435 | -0.24957 | 49.71957 | 44.20208 | 10.59816 | 31.61184 |
| 4/26/2025 | 4:00:00 AM | 33.60392 | 52.57174 | 18.96782 | 28.41218 | 36.75465 | 3.15073 | 45.18927 | 33.37252 | -0.2314 | 49.7014 | 44.21636 | 10.61244 | 31.59756 |
| 4/26/2025 | 5:00:00 AM | 33.59388 | 52.58247 | 18.98859 | 28.39141 | 36.75823 | 3.16435 | 45.17565 | 33.38705 | -0.20683 | 49.67683 | 44.21993 | 10.62605 | 31.58395 |
| 4/26/2025 | 6:00:00 AM | 33.60057 | 52.59319 | 18.99262 | 28.38738 | 36.74749 | 3.14692 | 45.19308 | 33.38705 | -0.21352 | 49.68352 | 44.22708 | 10.62651 | 31.58349 |
| 4/26/2025 | 7:00:00 AM | 33.60057 | 52.61465 | 19.01408 | 28.36592 | 36.74749 | 3.14692 | 45.19308 | 33.41249 | -0.18808 | 49.65808 | 44.23422 | 10.63365 | 31.57635 |
| 4/26/2025 | 8:00:00 AM | 33.60392 | 52.6218 | 19.01788 | 28.36212 | 36.75107 | 3.14715 | 45.19285 | 33.41976 | -0.18416 | 49.65416 | 44.2485 | 10.64458 | 31.56542 |
| 4/26/2025 | 9:00:00 AM | 33.59054 | 52.59677 | 19.00623 | 28.37377 | 36.75823 | 3.16769 | 45.17231 | 33.41976 | -0.17078 | 49.64078 | 44.25565 | 10.66511 | 31.54489 |
| 4/26/2025 | 10:00:00 AM | 33.60392 | 52.58604 | 18.98212 | 28.39788 | 36.75107 | 3.14715 | 45.19285 | 33.4234 | -0.18052 | 49.65052 | 44.25565 | 10.65173 | 31.55827 |
| 4/26/2025 | 11:00:00 AM | 33.62064 | 52.59319 | 18.97255 | 28.40745 | 36.74749 | 3.12685 | 45.21315 | 33.4234 | -0.19724 | 49.66724 | 44.26993 | 10.64929 | 31.56071 |
| 4/26/2025 | 12:00:00 PM | 33.62398 | 52.58604 | 18.96206 | 28.41794 | 36.75823 | 3.13425 | 45.20575 | 33.41976 | -0.20422 | 49.67422 | 44.26636 | 10.64238 | 31.56762 |
| 4/26/2025 | 1:00:00 PM | 33.6407 | 52.58247 | 18.94177 | 28.43823 | 36.75823 | 3.11753 | 45.22247 | 33.4234 | -0.2173 | 49.6873 | 44.26636 | 10.62566 | 31.58434 |
| 4/26/2025 | 2:00:00 PM | 33.69755 | 52.57889 | 18.88134 | 28.49866 | 36.75823 | 3.06068 | 45.27932 | 33.41249 | -0.28506 | 49.75506 | 44.26279 | 10.56524 | 31.64476 |
| 4/26/2025 | 3:00:00 PM | 33.69086 | 52.57174 | 18.88088 | 28.49912 | 36.75823 | 3.06737 | 45.27263 | 33.41249 | -0.27837 | 49.74837 | 44.26279 | 10.57193 | 31.63807 |
| 4/26/2025 | 4:00:00 PM | 33.68083 | 52.56101 | 18.88018 | 28.49982 | 36.76181 | 3.08098 | 45.25902 | 33.40159 | -0.27924 | 49.74924 | 44.25922 | 10.57839 | 31.63161 |
| 4/26/2025 | 5:00:00 PM | 33.67414 | 52.56101 | 18.88687 | 28.49313 | 36.76181 | 3.08767 | 45.25233 | 33.39796 | -0.27618 | 49.74618 | 44.25207 | 10.57793 | 31.63207 |
| 4/26/2025 | 6:00:00 PM | 33.67414 | 52.56101 | 18.88687 | 28.49313 | 36.76181 | 3.08767 | 45.25233 | 33.39069 | -0.28345 | 49.75345 | 44.25207 | 10.57793 | 31.63207 |
| 4/26/2025 | 7:00:00 PM | 33.67414 | 52.57889 | 18.90475 | 28.47525 | 36.75823 | 3.08409 | 45.25591 | 33.40522 | -0.26892 | 49.73892 | 44.25207 | 10.57793 | 31.63207 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/26/2025 | 8:00:00 PM | 33.67414 | 52.59319 | 18.91905 | 28.46095 | 36.76181 | 3.08767 | 45.25233 | 33.4234 | -0.25074 | 49.72074 | 44.25922 | 10.58508 | 31.62492 |
| 4/26/2025 | 9:00:00 PM | 33.6708 | 52.60392 | 18.93312 | 28.44688 | 36.75823 | 3.08743 | 45.25257 | 33.42703 | -0.24377 | 49.71377 | 44.26636 | 10.59556 | 31.61444 |
| 4/26/2025 | 10:00:00 PM | 33.66076 | 52.61823 | 18.95747 | 28.42253 | 36.75465 | 3.09389 | 45.24611 | 33.4452 | -0.21556 | 49.68556 | 44.2735 | 10.61274 | 31.59726 |
| 4/26/2025 | 11:00:00 PM | 33.65742 | 52.62896 | 18.97154 | 28.40846 | 36.75823 | 3.10081 | 45.23919 | 33.45247 | -0.20495 | 49.67495 | 44.28422 | 10.6268 | 31.5832 |
| 4/27/2025 | 12:00:00 AM | 33.65742 | 52.65399 | 18.99657 | 28.38343 | 36.76539 | 3.10797 | 45.23203 | 33.46701 | -0.19041 | 49.66041 | 44.29493 | 10.63751 | 31.57249 |
| 4/27/2025 | 1:00:00 AM | 33.66076 | 52.67544 | 19.01468 | 28.36532 | 36.76897 | 3.10821 | 45.23179 | 33.48881 | -0.17195 | 49.64195 | 44.31279 | 10.65203 | 31.55797 |
| 4/27/2025 | 2:00:00 AM | 33.65073 | 52.67544 | 19.02471 | 28.35529 | 36.77613 | 3.1254 | 45.2146 | 33.48518 | -0.16555 | 49.63555 | 44.31636 | 10.66563 | 31.54437 |
| 4/27/2025 | 3:00:00 AM | 33.65073 | 52.67902 | 19.02829 | 28.35171 | 36.77613 | 3.1254 | 45.2146 | 33.48518 | -0.16555 | 49.63555 | 44.3235 | 10.67277 | 31.53723 |
| 4/27/2025 | 4:00:00 AM | 33.65408 | 52.70048 | 19.0464 | 28.3336 | 36.78687 | 3.13279 | 45.20721 | 33.50335 | -0.15073 | 49.62073 | 44.33779 | 10.68371 | 31.52629 |
| 4/27/2025 | 5:00:00 AM | 33.65742 | 52.71121 | 19.05379 | 28.32621 | 36.78329 | 3.12587 | 45.21413 | 33.51788 | -0.13954 | 49.60954 | 44.3485 | 10.69108 | 31.51892 |
| 4/27/2025 | 6:00:00 AM | 33.65742 | 52.73266 | 19.07524 | 28.30476 | 36.79045 | 3.13303 | 45.20697 | 33.52879 | -0.12863 | 49.59863 | 44.35921 | 10.70179 | 31.50821 |
| 4/27/2025 | 7:00:00 AM | 33.66745 | 52.74697 | 19.07952 | 28.30048 | 36.79403 | 3.12658 | 45.21342 | 33.54332 | -0.12413 | 49.59413 | 44.36636 | 10.69891 | 31.51109 |
| 4/27/2025 | 8:00:00 AM | 33.67414 | 52.76127 | 19.08713 | 28.29287 | 36.80476 | 3.13062 | 45.20938 | 33.55422 | -0.11992 | 49.58992 | 44.37707 | 10.70293 | 31.50707 |
| 4/27/2025 | 9:00:00 AM | 33.68417 | 52.76842 | 19.08425 | 28.29575 | 36.80476 | 3.12059 | 45.21941 | 33.56149 | -0.12268 | 49.59268 | 44.39493 | 10.71076 | 31.49924 |
| 4/27/2025 | 10:00:00 AM | 33.67748 | 52.75054 | 19.07306 | 28.30694 | 36.82624 | 3.14876 | 45.19124 | 33.56876 | -0.10872 | 49.57872 | 44.40564 | 10.72816 | 31.48184 |
| 4/27/2025 | 11:00:00 AM | 33.68752 | 52.75412 | 19.0666 | 28.3134 | 36.81908 | 3.13156 | 45.20844 | 33.57603 | -0.11149 | 49.58149 | 44.45564 | 10.76812 | 31.44188 |
| 4/27/2025 | 12:00:00 PM | 33.6942 | 52.75054 | 19.05634 | 28.32366 | 36.82982 | 3.13562 | 45.20438 | 33.5833 | -0.1109 | 49.5809 | 44.42707 | 10.73287 | 31.47713 |
| 4/27/2025 | 1:00:00 PM | 33.70424 | 52.75412 | 19.04988 | 28.33012 | 36.83698 | 3.13274 | 45.20726 | 33.58693 | -0.11731 | 49.58731 | 44.4235 | 10.71926 | 31.49074 |
| 4/27/2025 | 2:00:00 PM | 33.71761 | 52.76127 | 19.04366 | 28.33634 | 36.84056 | 3.12295 | 45.21705 | 33.5942 | -0.12341 | 49.59341 | 44.43064 | 10.71303 | 31.49697 |
| 4/27/2025 | 3:00:00 PM | 33.73099 | 52.76485 | 19.03386 | 28.34614 | 36.85488 | 3.12389 | 45.21611 | 33.60147 | -0.12952 | 49.59952 | 44.43778 | 10.70679 | 31.50321 |
| 4/27/2025 | 4:00:00 PM | 33.73433 | 52.772 | 19.03767 | 28.34233 | 36.85846 | 3.12413 | 45.21587 | 33.60874 | -0.12559 | 49.59559 | 44.44493 | 10.7106 | 31.4994 |
| 4/27/2025 | 5:00:00 PM | 33.74436 | 52.77557 | 19.03121 | 28.34879 | 36.85846 | 3.1141 | 45.2259 | 33.6051 | -0.13926 | 49.60926 | 44.45564 | 10.71128 | 31.49872 |
| 4/27/2025 | 6:00:00 PM | 33.7544 | 52.79345 | 19.03905 | 28.34095 | 36.87636 | 3.12196 | 45.21804 | 33.61964 | -0.13476 | 49.60476 | 44.45564 | 10.70124 | 31.50876 |
| 4/27/2025 | 7:00:00 PM | 33.7544 | 52.80418 | 19.04978 | 28.33022 | 36.88351 | 3.12911 | 45.21089 | 33.62327 | -0.13113 | 49.60113 | 44.46278 | 10.70838 | 31.50162 |
| 4/27/2025 | 8:00:00 PM | 33.75105 | 52.82206 | 19.07101 | 28.30899 | 36.89067 | 3.13962 | 45.20038 | 33.64871 | -0.10234 | 49.57234 | 44.47707 | 10.72602 | 31.48398 |
| 4/27/2025 | 9:00:00 PM | 33.74771 | 52.84352 | 19.09581 | 28.28419 | 36.89783 | 3.15012 | 45.18988 | 33.65962 | -0.08809 | 49.55809 | 44.48778 | 10.74007 | 31.46993 |
| 4/27/2025 | 10:00:00 PM | 33.75774 | 52.87213 | 19.11439 | 28.26561 | 36.90141 | 3.14367 | 45.19633 | 33.68142 | -0.07632 | 49.54632 | 44.51992 | 10.76218 | 31.44782 |
| 4/27/2025 | 11:00:00 PM | 33.76443 | 52.88643 | 19.122 | 28.258 | 36.91215 | 3.14772 | 45.19228 | 33.69596 | -0.06847 | 49.53847 | 44.53064 | 10.76621 | 31.44379 |
| 4/28/2025 | 12:00:00 AM | 33.76777 | 52.91146 | 19.14369 | 28.23631 | 36.92289 | 3.15512 | 45.18488 | 33.71413 | -0.05364 | 49.52364 | 44.57349 | 10.80572 | 31.40428 |
| 4/28/2025 | 1:00:00 AM | 33.77446 | 52.92935 | 19.15489 | 28.22511 | 36.93005 | 3.15559 | 45.18441 | 33.72866 | -0.0458 | 49.5158 | 44.57706 | 10.8026 | 31.4074 |
| 4/28/2025 | 2:00:00 AM | 33.77112 | 52.9365 | 19.16538 | 28.21462 | 36.93721 | 3.16609 | 45.17391 | 33.74684 | -0.02428 | 49.49428 | 44.57706 | 10.80594 | 31.40406 |
| 4/28/2025 | 3:00:00 AM | 33.77112 | 52.9508 | 19.17968 | 28.20032 | 36.94795 | 3.17683 | 45.16317 | 33.76137 | -0.00975 | 49.47975 | 44.58421 | 10.81309 | 31.39691 |
| 4/28/2025 | 4:00:00 AM | 33.7778 | 52.96153 | 19.18373 | 28.19627 | 36.9551 | 3.1773 | 45.1627 | 33.77227 | -0.00553 | 49.47553 | 44.59849 | 10.82069 | 31.38931 |
| 4/28/2025 | 5:00:00 AM | 33.77446 | 52.96511 | 19.19065 | 28.18935 | 36.96942 | 3.19496 | 45.14504 | 33.77591 | 0.00145 | 49.46855 | 44.60563 | 10.83117 | 31.37883 |
| 4/28/2025 | 6:00:00 AM | 33.7778 | 52.97226 | 19.19446 | 28.18554 | 36.98016 | 3.20236 | 45.13764 | 33.77954 | 0.00174 | 49.46826 | 44.60921 | 10.83141 | 31.37859 |
| 4/28/2025 | 7:00:00 AM | 33.79787 | 52.99371 | 19.19584 | 28.18416 | 36.98732 | 3.18945 | 45.15055 | 33.78681 | -0.01106 | 49.48106 | 44.62706 | 10.82919 | 31.38081 |
| 4/28/2025 | 8:00:00 AM | 33.81124 | 53.01159 | 19.20035 | 28.17965 | 36.99806 | 3.18682 | 45.15318 | 33.79771 | -0.01353 | 49.48353 | 44.64492 | 10.83368 | 31.37632 |
| 4/28/2025 | 9:00:00 AM | 33.81793 | 53.00087 | 19.18294 | 28.19706 | 37.01238 | 3.19445 | 45.14555 | 33.81225 | -0.00568 | 49.47568 | 44.64492 | 10.82699 | 31.38301 |
| 4/28/2025 | 10:00:00 AM | 33.82796 | 53.01517 | 19.18721 | 28.19279 | 37.0267 | 3.19874 | 45.14126 | 33.82679 | -0.00117 | 49.47117 | 44.66277 | 10.83481 | 31.37519 |
| 4/28/2025 | 11:00:00 AM | 33.82128 | 53.01517 | 19.19389 | 28.18611 | 37.02312 | 3.20184 | 45.13816 | 33.82679 | 0.00551 | 49.46449 | 44.66635 | 10.84507 | 31.36493 |
| 4/28/2025 | 12:00:00 PM | 33.84134 | 53.02232 | 19.18098 | 28.19902 | 37.04817 | 3.20683 | 45.13317 | 33.84132 | -2E-05 | 49.47002 | 44.66992 | 10.82858 | 31.38142 |
| 4/28/2025 | 1:00:00 PM | 33.84468 | 53.01517 | 19.17049 | 28.20951 | 37.04459 | 3.19991 | 45.14009 | 33.84132 | -0.00336 | 49.47336 | 44.68063 | 10.83595 | 31.37405 |
| 4/28/2025 | 2:00:00 PM | 33.84468 | 53.02232 | 19.17764 | 28.20236 | 37.06249 | 3.21781 | 45.12219 | 33.84496 | 0.00028 | 49.46972 | 44.68777 | 10.84309 | 31.36691 |
| 4/28/2025 | 3:00:00 PM | 33.84134 | 53.0259 | 19.18456 | 28.19544 | 37.06965 | 3.22831 | 45.11169 | 33.84859 | 0.00725 | 49.46275 | 44.69492 | 10.85358 | 31.35642 |
| 4/28/2025 | 4:00:00 PM | 33.85137 | 53.00802 | 19.15665 | 28.22335 | 37.08039 | 3.22902 | 45.11098 | 33.84132 | -0.01005 | 49.48005 | 44.69135 | 10.83998 | 31.37002 |
| 4/28/2025 | 5:00:00 PM | 33.84134 | 53.00444 | 19.1631 | 28.2169 | 37.08039 | 3.23905 | 45.10095 | 33.83406 | -0.00728 | 49.47728 | 44.69135 | 10.85001 | 31.35999 |
| 4/28/2025 | 6:00:00 PM | 33.84134 | 53.00087 | 19.15953 | 28.22047 | 37.08397 | 3.24263 | 45.09737 | 33.83042 | -0.01092 | 49.48092 | 44.68777 | 10.84643 | 31.36357 |
| 4/28/2025 | 7:00:00 PM | 33.83131 | 52.99014 | 19.15883 | 28.22117 | 37.08755 | 3.25624 | 45.08376 | 33.81588 | -0.01543 | 49.48543 | 44.68777 | 10.85646 | 31.35354 |
| 4/28/2025 | 8:00:00 PM | 33.82462 | 52.99014 | 19.16552 | 28.21448 | 37.09829 | 3.27367 | 45.06633 | 33.81225 | -0.01237 | 49.48237 | 44.67706 | 10.85244 | 31.35756 |
| 4/28/2025 | 9:00:00 PM | 33.81793 | 52.98656 | 19.16863 | 28.21137 | 37.10545 | 3.28752 | 45.05248 | 33.80862 | -0.00931 | 49.47931 | 44.66992 | 10.85199 | 31.35801 |
| 4/28/2025 | 10:00:00 PM | 33.8079 | 52.96153 | 19.15363 | 28.22637 | 37.10545 | 3.29755 | 45.04245 | 33.80498 | -0.00292 | 49.47292 | 44.67349 | 10.86559 | 31.34441 |
| 4/28/2025 | 11:00:00 PM | 33.80121 | 52.95438 | 19.15317 | 28.22683 | 37.10545 | 3.30424 | 45.03576 | 33.79771 | -0.0035 | 49.4735 | 44.6592 | 10.85799 | 31.35201 |
| 4/29/2025 | 12:00:00 AM | 33.79787 | 52.95795 | 19.16008 | 28.21992 | 37.10902 | 3.31115 | 45.02885 | 33.79045 | -0.00742 | 49.47742 | 44.65206 | 10.85419 | 31.35581 |
| 4/29/2025 | 1:00:00 AM | 33.79452 | 52.9508 | 19.15628 | 28.22372 | 37.10902 | 3.3145 | 45.0255 | 33.78318 | -0.01134 | 49.48134 | 44.64849 | 10.85397 | 31.35603 |
| 4/29/2025 | 2:00:00 AM | 33.79118 | 52.94723 | 19.15605 | 28.22395 | 37.1126 | 3.32142 | 45.01858 | 33.76501 | -0.02617 | 49.49617 | 44.64492 | 10.85374 | 31.35626 |
| 4/29/2025 | 3:00:00 AM | 33.78449 | 52.94365 | 19.15916 | 28.22084 | 37.10545 | 3.32096 | 45.01904 | 33.76501 | -0.01948 | 49.48948 | 44.63063 | 10.84614 | 31.36386 |
| 4/29/2025 | 4:00:00 AM | 33.78449 | 52.94365 | 19.15916 | 28.22084 | 37.10902 | 3.32453 | 45.01547 | 33.75047 | -0.03402 | 49.50402 | 44.62349 | 10.839 | 31.371 |
| 4/29/2025 | 5:00:00 AM | 33.78784 | 52.9508 | 19.16296 | 28.21704 | 37.1126 | 3.32476 | 45.01524 | 33.75047 | -0.03737 | 49.50737 | 44.62349 | 10.83565 | 31.37435 |
| 4/29/2025 | 6:00:00 AM | 33.78784 | 52.95438 | 19.16654 | 28.21346 | 37.10545 | 3.31761 | 45.02239 | 33.7432 | -0.04464 | 49.51464 | 44.61635 | 10.82851 | 31.38149 |
| 4/29/2025 | 7:00:00 AM | 33.78115 | 52.96868 | 19.18753 | 28.19247 | 37.10545 | 3.3243 | 45.0157 | 33.74684 | -0.03431 | 49.50431 | 44.61278 | 10.83163 | 31.37837 |
| 4/29/2025 | 8:00:00 AM | 33.78784 | 52.96153 | 19.17369 | 28.20631 | 37.10545 | 3.31761 | 45.02239 | 33.7541 | -0.03374 | 49.50374 | 44.60563 | 10.81779 | 31.39221 |
| 4/29/2025 | 9:00:00 AM | 33.80121 | 52.98656 | 19.18535 | 28.19465 | 37.10545 | 3.30424 | 45.03576 | 33.75047 | -0.05074 | 49.52074 | 44.61278 | 10.81157 | 31.39843 |
| 4/29/2025 | 10:00:00 AM | 33.76443 | 52.90074 | 19.13631 | 28.24369 | 37.10902 | 3.34459 | 44.99541 | 33.75774 | -0.00669 | 49.47669 | 44.61278 | 10.84835 | 31.36165 |
| 4/29/2025 | 11:00:00 AM | 33.7544 | 52.85782 | 19.10342 | 28.27658 | 37.10545 | 3.35105 | 44.98895 | 33.75774 | 0.00334 | 49.46666 | 44.60921 | 10.85481 | 31.35519 |
| 4/29/2025 | 12:00:00 PM | 33.76108 | 52.87213 | 19.11105 | 28.26895 | 37.10187 | 3.34079 | 44.99921 | 33.76864 | 0.00756 | 49.46244 | 44.60921 | 10.84813 | 31.36187 |
| 4/29/2025 | 1:00:00 PM | 33.76777 | 52.86498 | 19.09721 | 28.28279 | 37.10545 | 3.33768 | 45.00232 | 33.75774 | -0.01003 | 49.48003 | 44.60921 | 10.84144 | 31.36856 |
| 4/29/2025 | 2:00:00 PM | 33.76443 | 52.8614 | 19.09697 | 28.28303 | 37.09829 | 3.33386 | 45.00614 | 33.75774 | -0.00669 | 49.47669 | 44.60563 | 10.8412 | 31.3688 |
| 4/29/2025 | 3:00:00 PM | 33.76443 | 52.8757 | 19.11127 | 28.26873 | 37.10187 | 3.33744 | 45.00256 | 33.7541 | -0.01033 | 49.48033 | 44.60921 | 10.84478 | 31.36522 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/29/2025 | 4:00:00 PM | 33.77112 | 52.87213 | 19.10101 | 28.27899 | 37.10187 | 3.33075 | 45.00925 | 33.75774 | -0.01338 | 49.48338 | 44.61278 | 10.84166 | 31.36834 |
| 4/29/2025 | 5:00:00 PM | 33.77446 | 52.89716 | 19.1227 | 28.2573 | 37.10187 | 3.32741 | 45.01259 | 33.77591 | 0.00145 | 49.46855 | 44.61992 | 10.84546 | 31.36454 |
| 4/29/2025 | 6:00:00 PM | 33.76777 | 52.89358 | 19.12581 | 28.25419 | 37.10187 | 3.3341 | 45.0059 | 33.77591 | 0.00814 | 49.46186 | 44.61992 | 10.85215 | 31.35785 |
| 4/29/2025 | 7:00:00 PM | 33.77112 | 52.89716 | 19.12604 | 28.25396 | 37.10545 | 3.33433 | 45.00567 | 33.77591 | 0.00479 | 49.46521 | 44.61992 | 10.8488 | 31.3612 |
| 4/29/2025 | 8:00:00 PM | 33.77112 | 52.89716 | 19.12604 | 28.25396 | 37.10545 | 3.33433 | 45.00567 | 33.77954 | 0.00842 | 49.46158 | 44.61635 | 10.84523 | 31.36477 |
| 4/29/2025 | 9:00:00 PM | 33.76777 | 52.91504 | 19.14727 | 28.23273 | 37.10902 | 3.34125 | 44.99875 | 33.78318 | 0.01541 | 49.45459 | 44.61992 | 10.85215 | 31.35785 |
| 4/29/2025 | 10:00:00 PM | 33.78115 | 52.9365 | 19.15535 | 28.22465 | 37.10902 | 3.32787 | 45.01213 | 33.79771 | 0.01656 | 49.45344 | 44.62706 | 10.84591 | 31.36409 |
| 4/29/2025 | 11:00:00 PM | 33.7778 | 52.93292 | 19.15512 | 28.22488 | 37.1126 | 3.3348 | 45.0052 | 33.80135 | 0.02355 | 49.44645 | 44.64135 | 10.86355 | 31.34645 |
| 4/30/2025 | 12:00:00 AM | 33.77112 | 52.94365 | 19.17253 | 28.20747 | 37.10902 | 3.3379 | 45.0021 | 33.80862 | 0.0375 | 49.4325 | 44.64135 | 10.87023 | 31.33977 |
| 4/30/2025 | 1:00:00 AM | 33.78784 | 52.94365 | 19.15581 | 28.22419 | 37.11618 | 3.32834 | 45.01166 | 33.80862 | 0.02078 | 49.44922 | 44.64849 | 10.86065 | 31.34935 |
| 4/30/2025 | 2:00:00 AM | 33.79118 | 52.94365 | 19.15247 | 28.22753 | 37.11976 | 3.32858 | 45.01142 | 33.80862 | 0.01744 | 49.45256 | 44.64492 | 10.85374 | 31.35626 |
| 4/30/2025 | 3:00:00 AM | 33.7778 | 52.94365 | 19.16585 | 28.21415 | 37.11976 | 3.34196 | 44.99804 | 33.80862 | 0.03082 | 49.43918 | 44.65206 | 10.87426 | 31.33574 |
| 4/30/2025 | 4:00:00 AM | 33.77112 | 52.92577 | 19.15465 | 28.22535 | 37.12334 | 3.35222 | 44.98778 | 33.80135 | 0.03023 | 49.43977 | 44.65206 | 10.88094 | 31.32906 |
| 4/30/2025 | 5:00:00 AM | 33.76777 | 52.93292 | 19.16515 | 28.21485 | 37.1305 | 3.36273 | 44.97727 | 33.80498 | 0.03721 | 49.43279 | 44.64849 | 10.88072 | 31.32928 |
| 4/30/2025 | 6:00:00 AM | 33.78115 | 52.94723 | 19.16608 | 28.21392 | 37.12692 | 3.34577 | 44.99423 | 33.80498 | 0.02383 | 49.44617 | 44.64849 | 10.86734 | 31.34266 |
| 4/30/2025 | 7:00:00 AM | 33.79452 | 52.95795 | 19.16343 | 28.21657 | 37.12692 | 3.3324 | 45.0076 | 33.81588 | 0.02136 | 49.44864 | 44.65563 | 10.86111 | 31.34889 |
| 4/30/2025 | 8:00:00 AM | 33.79787 | 52.96868 | 19.17081 | 28.20919 | 37.13766 | 3.33979 | 45.00021 | 33.81952 | 0.02165 | 49.44835 | 44.6592 | 10.86133 | 31.34867 |
| 4/30/2025 | 9:00:00 AM | 33.80456 | 52.96511 | 19.16055 | 28.21945 | 37.14124 | 3.33668 | 45.00332 | 33.81588 | 0.01132 | 49.45868 | 44.6592 | 10.85464 | 31.35536 |
| 4/30/2025 | 10:00:00 AM | 33.80456 | 52.9508 | 19.14624 | 28.23376 | 37.13766 | 3.3331 | 45.0069 | 33.81588 | 0.01132 | 49.45868 | 44.66277 | 10.85821 | 31.35179 |
| 4/30/2025 | 11:00:00 AM | 33.8079 | 52.9508 | 19.1429 | 28.2371 | 37.14124 | 3.33334 | 45.00666 | 33.80498 | -0.00292 | 49.47292 | 44.66277 | 10.85487 | 31.35513 |
| 4/30/2025 | 12:00:00 PM | 33.82128 | 52.93292 | 19.11164 | 28.26836 | 37.14482 | 3.32354 | 45.01646 | 33.79771 | -0.02357 | 49.49357 | 44.65563 | 10.83435 | 31.37565 |
| 4/30/2025 | 1:00:00 PM | 33.82462 | 52.91862 | 19.094 | 28.286 | 37.14124 | 3.31662 | 45.02338 | 33.79771 | -0.02691 | 49.49691 | 44.63778 | 10.81316 | 31.39684 |
| 4/30/2025 | 2:00:00 PM | 33.88147 | 52.90431 | 19.02284 | 28.35716 | 37.13408 | 3.25261 | 45.08739 | 33.77227 | -0.1092 | 49.5792 | 44.63778 | 10.75631 | 31.45369 |
| 4/30/2025 | 3:00:00 PM | 33.87478 | 52.89001 | 19.01523 | 28.36477 | 37.13408 | 3.2593 | 45.0807 | 33.76864 | -0.10614 | 49.57614 | 44.62706 | 10.75228 | 31.45772 |
| 4/30/2025 | 4:00:00 PM | 33.85137 | 52.86855 | 19.01718 | 28.36282 | 37.13766 | 3.28629 | 45.05371 | 33.7541 | -0.09727 | 49.56727 | 44.61635 | 10.76498 | 31.44502 |
| 4/30/2025 | 5:00:00 PM | 33.84803 | 52.8471 | 18.99907 | 28.38093 | 37.13408 | 3.28605 | 45.05395 | 33.73957 | -0.10846 | 49.57846 | 44.60563 | 10.7576 | 31.4524 |
| 4/30/2025 | 6:00:00 PM | 33.838 | 52.83279 | 18.99479 | 28.38521 | 37.12692 | 3.28892 | 45.05108 | 33.71776 | -0.12024 | 49.59024 | 44.59135 | 10.75335 | 31.45665 |
| 4/30/2025 | 7:00:00 PM | 33.83465 | 52.82922 | 18.99457 | 28.38543 | 37.12692 | 3.29227 | 45.04773 | 33.7214 | -0.11325 | 49.58325 | 44.57706 | 10.74241 | 31.46759 |
| 4/30/2025 | 8:00:00 PM | 33.82462 | 52.83279 | 19.00817 | 28.37183 | 37.12692 | 3.3023 | 45.0377 | 33.71413 | -0.11049 | 49.58049 | 44.56992 | 10.7453 | 31.4647 |
| 4/30/2025 | 9:00:00 PM | 33.81459 | 52.8471 | 19.03251 | 28.34749 | 37.11618 | 3.30159 | 45.03841 | 33.71776 | -0.09683 | 49.56683 | 44.57349 | 10.7589 | 31.4511 |
| 4/30/2025 | 10:00:00 PM | 33.80121 | 52.85067 | 19.04946 | 28.33054 | 37.11976 | 3.31855 | 45.02145 | 33.71776 | -0.08345 | 49.55345 | 44.56278 | 10.76157 | 31.44843 |
| 4/30/2025 | 11:00:00 PM | 33.78449 | 52.83637 | 19.05188 | 28.32812 | 37.10902 | 3.32453 | 45.01547 | 33.71413 | -0.07036 | 49.54036 | 44.56635 | 10.78186 | 31.42814 |
| 5/1/2025 | 12:00:00 AM | 33.77446 | 52.82922 | 19.05476 | 28.32524 | 37.10902 | 3.33456 | 45.00544 | 33.70686 | -0.0676 | 49.5376 | 44.55921 | 10.78475 | 31.42525 |
| 5/1/2025 | 1:00:00 AM | 33.76443 | 52.82564 | 19.06121 | 28.31879 | 37.10187 | 3.33744 | 45.00256 | 33.69959 | -0.06484 | 49.53484 | 44.55206 | 10.78763 | 31.42237 |
| 5/1/2025 | 2:00:00 AM | 33.75105 | 52.82564 | 19.07459 | 28.30541 | 37.09471 | 3.34366 | 44.99634 | 33.69596 | -0.05509 | 49.52509 | 44.54849 | 10.79744 | 31.41256 |
| 5/1/2025 | 3:00:00 AM | 33.74436 | 52.82564 | 19.08128 | 28.29872 | 37.09829 | 3.35393 | 44.98607 | 33.68505 | -0.05931 | 49.52931 | 44.53778 | 10.79342 | 31.41658 |
| 5/1/2025 | 4:00:00 AM | 33.73768 | 52.81849 | 19.08081 | 28.29919 | 37.09471 | 3.35703 | 44.98297 | 33.68869 | -0.04899 | 49.51899 | 44.54135 | 10.80367 | 31.40633 |
| 5/1/2025 | 5:00:00 AM | 33.73099 | 52.81849 | 19.0875 | 28.2925 | 37.08755 | 3.35656 | 44.98344 | 33.68142 | -0.04957 | 49.51957 | 44.53778 | 10.80679 | 31.40321 |
| 5/1/2025 | 6:00:00 AM | 33.72096 | 52.80418 | 19.08322 | 28.29678 | 37.08755 | 3.36659 | 44.97341 | 33.67052 | -0.05044 | 49.52044 | 44.51992 | 10.79896 | 31.41104 |
| 5/1/2025 | 7:00:00 AM | 33.71427 | 52.80418 | 19.08991 | 28.29009 | 37.07681 | 3.36254 | 44.97746 | 33.66325 | -0.05102 | 49.52102 | 44.51278 | 10.79851 | 31.41149 |
| 5/1/2025 | 8:00:00 AM | 33.71427 | 52.79703 | 19.08276 | 28.29724 | 37.08039 | 3.36612 | 44.97388 | 33.66325 | -0.05102 | 49.52102 | 44.51635 | 10.80208 | 31.40792 |
| 5/1/2025 | 9:00:00 AM | 33.70758 | 52.77915 | 19.07157 | 28.30843 | 37.06965 | 3.36207 | 44.97793 | 33.64144 | -0.06614 | 49.53614 | 44.50564 | 10.79806 | 31.41194 |
| 5/1/2025 | 10:00:00 AM | 33.71092 | 52.76127 | 19.05035 | 28.32965 | 37.06607 | 3.35515 | 44.98485 | 33.63781 | -0.07311 | 49.54311 | 44.44493 | 10.73401 | 31.47599 |
| 5/1/2025 | 11:00:00 AM | 33.71761 | 52.74339 | 19.02578 | 28.35422 | 37.04817 | 3.33056 | 45.00944 | 33.61601 | -0.1016 | 49.5716 | 44.4735 | 10.75589 | 31.45411 |
| 5/1/2025 | 12:00:00 PM | 33.72764 | 52.73624 | 19.0086 | 28.3714 | 37.05175 | 3.32411 | 45.01589 | 33.61237 | -0.11527 | 49.58527 | 44.45921 | 10.73157 | 31.47843 |
| 5/1/2025 | 1:00:00 PM | 33.73768 | 52.70405 | 18.96637 | 28.41363 | 37.04817 | 3.31049 | 45.02951 | 33.59057 | -0.14711 | 49.61711 | 44.45564 | 10.71796 | 31.49204 |
| 5/1/2025 | 2:00:00 PM | 33.82462 | 52.68975 | 18.86513 | 28.51487 | 37.03743 | 3.21281 | 45.12719 | 33.57603 | -0.24859 | 49.71859 | 44.40564 | 10.58102 | 31.62898 |
| 5/1/2025 | 3:00:00 PM | 33.80456 | 52.66114 | 18.85658 | 28.52342 | 37.02312 | 3.21856 | 45.12144 | 33.55422 | -0.25034 | 49.72034 | 44.41278 | 10.60822 | 31.60178 |
| 5/1/2025 | 4:00:00 PM | 33.78115 | 52.62538 | 18.84423 | 28.53577 | 37.02312 | 3.24197 | 45.09803 | 33.52879 | -0.25236 | 49.72236 | 44.3735 | 10.59235 | 31.61765 |
| 5/1/2025 | 5:00:00 PM | 33.77112 | 52.59677 | 18.82565 | 28.55435 | 37.0088 | 3.23768 | 45.10232 | 33.50698 | -0.26414 | 49.73414 | 44.33779 | 10.56667 | 31.64333 |
| 5/1/2025 | 6:00:00 PM | 33.76443 | 52.58247 | 18.81804 | 28.56196 | 37.00522 | 3.24079 | 45.09921 | 33.48881 | -0.27562 | 49.74562 | 44.33779 | 10.57336 | 31.63664 |
| 5/1/2025 | 7:00:00 PM | 33.75105 | 52.55386 | 18.80281 | 28.57719 | 36.9909 | 3.23985 | 45.10015 | 33.47791 | -0.27314 | 49.74314 | 44.30564 | 10.55459 | 31.65541 |
| 5/1/2025 | 8:00:00 PM | 33.74436 | 52.54671 | 18.80235 | 28.57765 | 36.96942 | 3.22506 | 45.11494 | 33.45974 | -0.28462 | 49.75462 | 44.31636 | 10.572 | 31.638 |
| 5/1/2025 | 9:00:00 PM | 33.72764 | 52.55386 | 18.82622 | 28.55378 | 36.96226 | 3.23462 | 45.10538 | 33.4452 | -0.28244 | 49.75244 | 44.30564 | 10.578 | 31.632 |
| 5/1/2025 | 10:00:00 PM | 33.71761 | 52.56101 | 18.8434 | 28.5366 | 36.95153 | 3.23392 | 45.10608 | 33.44157 | -0.27604 | 49.74604 | 44.2985 | 10.58089 | 31.62911 |
| 5/1/2025 | 11:00:00 PM | 33.71092 | 52.55743 | 18.84651 | 28.53349 | 36.93721 | 3.22629 | 45.11371 | 33.44157 | -0.26935 | 49.73935 | 44.29136 | 10.58044 | 31.62956 |
| 5/2/2025 | 12:00:00 AM | 33.6942 | 52.55028 | 18.85608 | 28.52392 | 36.92289 | 3.22869 | 45.11131 | 33.4343 | -0.2599 | 49.7299 | 44.2735 | 10.5793 | 31.6307 |
| 5/2/2025 | 1:00:00 AM | 33.68752 | 52.55386 | 18.86634 | 28.51366 | 36.91931 | 3.23179 | 45.10821 | 33.4234 | -0.26412 | 49.73412 | 44.26993 | 10.58241 | 31.62759 |
| 5/2/2025 | 2:00:00 AM | 33.68083 | 52.54313 | 18.8623 | 28.5177 | 36.90857 | 3.22774 | 45.11226 | 33.41613 | -0.2647 | 49.7347 | 44.26279 | 10.58196 | 31.62804 |
| 5/2/2025 | 3:00:00 AM | 33.6708 | 52.54671 | 18.87591 | 28.50409 | 36.89783 | 3.22703 | 45.11297 | 33.41249 | -0.25831 | 49.72831 | 44.25922 | 10.58842 | 31.62158 |
| 5/2/2025 | 4:00:00 AM | 33.66745 | 52.55386 | 18.88641 | 28.49359 | 36.89067 | 3.22322 | 45.11678 | 33.41249 | -0.25496 | 49.72496 | 44.25207 | 10.58462 | 31.62538 |
| 5/2/2025 | 5:00:00 AM | 33.66745 | 52.56101 | 18.89356 | 28.48644 | 36.87993 | 3.21248 | 45.12752 | 33.42703 | -0.24042 | 49.71042 | 44.25565 | 10.5882 | 31.6218 |
| 5/2/2025 | 6:00:00 AM | 33.66745 | 52.56816 | 18.90071 | 28.47929 | 36.87278 | 3.20533 | 45.13467 | 33.43066 | -0.23679 | 49.70679 | 44.26279 | 10.59534 | 31.61466 |
| 5/2/2025 | 7:00:00 AM | 33.66745 | 52.58247 | 18.91502 | 28.46498 | 36.8692 | 3.20175 | 45.13825 | 33.43793 | -0.22952 | 49.69952 | 44.26279 | 10.59534 | 31.61466 |
| 5/2/2025 | 8:00:00 AM | 33.6708 | 52.60392 | 18.93312 | 28.44688 | 36.8692 | 3.1984 | 45.1416 | 33.4452 | -0.2256 | 49.6956 | 44.2735 | 10.6027 | 31.6073 |
| 5/2/2025 | 9:00:00 AM | 33.68083 | 52.61108 | 18.93025 | 28.44975 | 36.85488 | 3.17405 | 45.16595 | 33.45247 | -0.22836 | 49.69836 | 44.2735 | 10.59267 | 31.61733 |
| 5/2/2025 | 10:00:00 AM | 33.68417 | 52.59677 | 18.9126 | 28.4674 | 36.85846 | 3.17429 | 45.16571 | 33.4452 | -0.23897 | 49.70897 | 44.26636 | 10.58219 | 31.62781 |
| 5/2/2025 | 11:00:00 AM | 33.68083 | 52.56101 | 18.88018 | 28.49982 | 36.84772 | 3.16689 | 45.17311 | 33.44157 | -0.23926 | 49.70926 | 44.26279 | 10.58196 | 31.62804 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/2/2025 | 12:00:00 PM | 33.68752 | 52.54313 | 18.85561 | 28.52439 | 36.85488 | 3.16736 | 45.17264 | 33.43793 | -0.24959 | 49.71959 | 44.26279 | 10.57527 | 31.63473 |
| 5/2/2025 | 1:00:00 PM | 33.71092 | 52.53598 | 18.82506 | 28.55494 | 36.84414 | 3.13322 | 45.20678 | 33.43066 | -0.28026 | 49.75026 | 44.26279 | 10.55187 | 31.65813 |
| 5/2/2025 | 2:00:00 PM | 33.76777 | 52.53955 | 18.77178 | 28.60822 | 36.84056 | 3.07279 | 45.26721 | 33.42703 | -0.34074 | 49.81074 | 44.26636 | 10.49859 | 31.71141 |
| 5/2/2025 | 3:00:00 PM | 33.77446 | 52.53598 | 18.76152 | 28.61848 | 36.8334 | 3.05894 | 45.28106 | 33.4234 | -0.35106 | 49.82106 | 44.25565 | 10.48119 | 31.72881 |
| 5/2/2025 | 4:00:00 PM | 33.77446 | 52.54313 | 18.76867 | 28.61133 | 36.8334 | 3.05894 | 45.28106 | 33.43793 | -0.33653 | 49.80653 | 44.25922 | 10.48476 | 31.72524 |
| 5/2/2025 | 5:00:00 PM | 33.77112 | 52.55386 | 18.78274 | 28.59726 | 36.8334 | 3.06228 | 45.27772 | 33.43793 | -0.33319 | 49.80319 | 44.26636 | 10.49524 | 31.71476 |
| 5/2/2025 | 6:00:00 PM | 33.77112 | 52.58247 | 18.81135 | 28.56865 | 36.8334 | 3.06228 | 45.27772 | 33.46701 | -0.30411 | 49.77411 | 44.28064 | 10.50952 | 31.70048 |
| 5/2/2025 | 7:00:00 PM | 33.7778 | 52.58962 | 18.81182 | 28.56818 | 36.82624 | 3.04844 | 45.29156 | 33.46701 | -0.31079 | 49.78079 | 44.28422 | 10.50642 | 31.70358 |
| 5/2/2025 | 8:00:00 PM | 33.76108 | 52.58962 | 18.82854 | 28.55146 | 36.8334 | 3.07232 | 45.26768 | 33.48154 | -0.27954 | 49.74954 | 44.28779 | 10.52671 | 31.68329 |
| 5/2/2025 | 9:00:00 PM | 33.76443 | 52.61465 | 18.85022 | 28.52978 | 36.82982 | 3.06539 | 45.27461 | 33.49608 | -0.26835 | 49.73835 | 44.29493 | 10.5305 | 31.6795 |
| 5/2/2025 | 10:00:00 PM | 33.76443 | 52.63253 | 18.8681 | 28.5119 | 36.82982 | 3.06539 | 45.27461 | 33.50698 | -0.25745 | 49.72745 | 44.30922 | 10.54479 | 31.66521 |
| 5/2/2025 | 11:00:00 PM | 33.76108 | 52.65041 | 18.88933 | 28.49067 | 36.8334 | 3.07232 | 45.26768 | 33.52515 | -0.23593 | 49.70593 | 44.32707 | 10.56599 | 31.64401 |
| 5/3/2025 | 12:00:00 AM | 33.7544 | 52.66829 | 18.91389 | 28.46611 | 36.8334 | 3.079 | 45.261 | 33.53605 | -0.21835 | 49.68835 | 44.33779 | 10.58339 | 31.62661 |
| 5/3/2025 | 1:00:00 AM | 33.74771 | 52.67544 | 18.92773 | 28.45227 | 36.84056 | 3.09285 | 45.24715 | 33.54696 | -0.20075 | 49.67075 | 44.3485 | 10.60079 | 31.60921 |
| 5/3/2025 | 2:00:00 AM | 33.74436 | 52.68975 | 18.94539 | 28.43461 | 36.84056 | 3.0962 | 45.2438 | 33.55059 | -0.19377 | 49.66377 | 44.36279 | 10.61843 | 31.59157 |
| 5/3/2025 | 3:00:00 AM | 33.74102 | 52.70048 | 18.95946 | 28.42054 | 36.85846 | 3.11744 | 45.22256 | 33.56149 | -0.17953 | 49.64953 | 44.36636 | 10.62534 | 31.58466 |
| 5/3/2025 | 4:00:00 AM | 33.74436 | 52.71836 | 18.974 | 28.406 | 36.85488 | 3.11052 | 45.22948 | 33.57603 | -0.16833 | 49.63833 | 44.42707 | 10.68271 | 31.52729 |
| 5/3/2025 | 5:00:00 AM | 33.74436 | 52.73266 | 18.9883 | 28.3917 | 36.85846 | 3.1141 | 45.2259 | 33.57966 | -0.1647 | 49.6347 | 44.41993 | 10.67557 | 31.53443 |
| 5/3/2025 | 6:00:00 AM | 33.74771 | 52.75412 | 19.00641 | 28.37359 | 36.86562 | 3.11791 | 45.22209 | 33.59057 | -0.15714 | 49.62714 | 44.41993 | 10.67222 | 31.53778 |
| 5/3/2025 | 7:00:00 AM | 33.74771 | 52.772 | 19.02429 | 28.35571 | 36.87636 | 3.12865 | 45.21135 | 33.60874 | -0.13897 | 49.60897 | 44.42707 | 10.67936 | 31.53064 |
| 5/3/2025 | 8:00:00 AM | 33.7544 | 52.78988 | 19.03548 | 28.34452 | 36.87993 | 3.12553 | 45.21447 | 33.62327 | -0.13113 | 49.60113 | 44.4485 | 10.6941 | 31.5159 |
| 5/3/2025 | 9:00:00 AM | 33.75774 | 52.79345 | 19.03571 | 28.34429 | 36.87993 | 3.12219 | 45.21781 | 33.63418 | -0.12356 | 49.59356 | 44.44493 | 10.68719 | 31.52281 |
| 5/3/2025 | 10:00:00 AM | 33.76443 | 52.81133 | 19.0469 | 28.3331 | 36.89783 | 3.1334 | 45.2066 | 33.64144 | -0.12299 | 49.59299 | 44.45921 | 10.69478 | 31.51522 |
| 5/3/2025 | 11:00:00 AM | 33.7778 | 52.81849 | 19.04069 | 28.33931 | 36.90499 | 3.12719 | 45.21281 | 33.65235 | -0.12545 | 49.59545 | 44.46278 | 10.68498 | 31.52502 |
| 5/3/2025 | 12:00:00 PM | 33.78784 | 52.81849 | 19.03065 | 28.34935 | 36.90499 | 3.11715 | 45.22285 | 33.65962 | -0.12822 | 49.59822 | 44.46992 | 10.68208 | 31.52792 |
| 5/3/2025 | 1:00:00 PM | 33.79452 | 52.82206 | 19.02754 | 28.35246 | 36.91573 | 3.12121 | 45.21879 | 33.66688 | -0.12764 | 49.59764 | 44.48064 | 10.68612 | 31.52388 |
| 5/3/2025 | 2:00:00 PM | 33.81459 | 52.82922 | 19.01463 | 28.36537 | 36.92647 | 3.11188 | 45.22812 | 33.67052 | -0.14407 | 49.61407 | 44.48421 | 10.66962 | 31.54038 |
| 5/3/2025 | 3:00:00 PM | 33.83131 | 52.82922 | 18.99791 | 28.38209 | 36.93363 | 3.10232 | 45.23768 | 33.67779 | -0.15352 | 49.62352 | 44.48778 | 10.65647 | 31.55353 |
| 5/3/2025 | 4:00:00 PM | 33.82796 | 52.83637 | 19.00841 | 28.37159 | 36.93005 | 3.10209 | 45.23791 | 33.68142 | -0.14654 | 49.61654 | 44.49849 | 10.67053 | 31.53947 |
| 5/3/2025 | 5:00:00 PM | 33.82462 | 52.83994 | 19.01532 | 28.36468 | 36.94437 | 3.11975 | 45.22025 | 33.68142 | -0.1432 | 49.6132 | 44.49492 | 10.6703 | 31.5397 |
| 5/3/2025 | 6:00:00 PM | 33.82462 | 52.84352 | 19.0189 | 28.3611 | 36.94795 | 3.12333 | 45.21667 | 33.69232 | -0.1323 | 49.6023 | 44.50564 | 10.68102 | 31.52898 |
| 5/3/2025 | 7:00:00 PM | 33.81124 | 52.83994 | 19.0287 | 28.3513 | 36.9551 | 3.14386 | 45.19614 | 33.68869 | -0.12255 | 49.59255 | 44.50921 | 10.69797 | 31.51203 |
| 5/3/2025 | 8:00:00 PM | 33.80121 | 52.82922 | 19.02801 | 28.35199 | 36.96226 | 3.16105 | 45.17895 | 33.68869 | -0.11252 | 49.58252 | 44.50921 | 10.708 | 31.502 |
| 5/3/2025 | 9:00:00 PM | 33.79452 | 52.85782 | 19.0633 | 28.3167 | 36.96584 | 3.17132 | 45.16868 | 33.70686 | -0.08766 | 49.55766 | 44.52349 | 10.72897 | 31.48103 |
| 5/3/2025 | 10:00:00 PM | 33.79118 | 52.86498 | 19.0738 | 28.3062 | 36.98016 | 3.18898 | 45.15102 | 33.71776 | -0.07342 | 49.54342 | 44.53064 | 10.73946 | 31.47054 |
| 5/3/2025 | 11:00:00 PM | 33.78115 | 52.87213 | 19.09098 | 28.28902 | 36.98016 | 3.19901 | 45.14099 | 33.72503 | -0.05612 | 49.52612 | 44.52707 | 10.74592 | 31.46408 |
| 5/4/2025 | 12:00:00 AM | 33.78115 | 52.88286 | 19.10171 | 28.27829 | 36.98732 | 3.20617 | 45.13383 | 33.72866 | -0.05249 | 49.52249 | 44.53778 | 10.75663 | 31.45337 |
| 5/4/2025 | 1:00:00 AM | 33.75105 | 52.81491 | 19.06386 | 28.31614 | 36.98732 | 3.23627 | 45.10373 | 33.7323 | -0.01875 | 49.48875 | 44.55206 | 10.80101 | 31.40899 |
| 5/4/2025 | 2:00:00 AM | 33.75105 | 52.82922 | 19.07817 | 28.30183 | 37.00164 | 3.25059 | 45.08941 | 33.7432 | -0.00785 | 49.47785 | 44.56278 | 10.81173 | 31.39827 |
| 5/4/2025 | 3:00:00 AM | 33.7544 | 52.83637 | 19.08197 | 28.29803 | 37.00164 | 3.24724 | 45.09276 | 33.74684 | -0.00756 | 49.47756 | 44.56278 | 10.80838 | 31.40162 |
| 5/4/2025 | 4:00:00 AM | 33.75774 | 52.85067 | 19.09293 | 28.28707 | 37.00164 | 3.2439 | 45.0961 | 33.75774 | 0 | 49.47 | 44.56992 | 10.81218 | 31.39782 |
| 5/4/2025 | 5:00:00 AM | 33.75105 | 52.85425 | 19.1032 | 28.2768 | 37.01238 | 3.26133 | 45.07867 | 33.75774 | 0.00669 | 49.46331 | 44.57706 | 10.82601 | 31.38399 |
| 5/4/2025 | 6:00:00 AM | 33.75774 | 52.86855 | 19.11081 | 28.26919 | 37.01954 | 3.2618 | 45.0782 | 33.76864 | 0.0109 | 49.4591 | 44.59135 | 10.83361 | 31.37639 |
| 5/4/2025 | 7:00:00 AM | 33.77112 | 52.88643 | 19.11531 | 28.26469 | 37.01954 | 3.24842 | 45.09158 | 33.77954 | 0.00842 | 49.46158 | 44.59849 | 10.82737 | 31.38263 |
| 5/4/2025 | 8:00:00 AM | 33.78784 | 52.90431 | 19.11647 | 28.26353 | 37.03385 | 3.24601 | 45.09399 | 33.79045 | 0.00261 | 49.46739 | 44.65206 | 10.86422 | 31.34578 |
| 5/4/2025 | 9:00:00 AM | 33.79452 | 52.92219 | 19.12767 | 28.25233 | 37.03743 | 3.24291 | 45.09709 | 33.80498 | 0.01046 | 49.45954 | 44.63063 | 10.83611 | 31.37389 |
| 5/4/2025 | 10:00:00 AM | 33.80121 | 52.91504 | 19.11383 | 28.26617 | 37.04101 | 3.2398 | 45.1002 | 33.80862 | 0.00741 | 49.46259 | 44.62349 | 10.82228 | 31.38772 |
| 5/4/2025 | 11:00:00 AM | 33.81124 | 52.91504 | 19.1038 | 28.2762 | 37.06249 | 3.25125 | 45.08875 | 33.80498 | -0.00626 | 49.47626 | 44.63063 | 10.81939 | 31.39061 |
| 5/4/2025 | 12:00:00 PM | 33.81124 | 52.90789 | 19.09665 | 28.28335 | 37.06249 | 3.25125 | 45.08875 | 33.81225 | 0.00101 | 49.46899 | 44.61992 | 10.80868 | 31.40132 |
| 5/4/2025 | 1:00:00 PM | 33.82796 | 52.90431 | 19.07635 | 28.30365 | 37.07681 | 3.24885 | 45.09115 | 33.80135 | -0.02661 | 49.49661 | 44.63063 | 10.80267 | 31.40733 |
| 5/4/2025 | 2:00:00 PM | 33.86809 | 52.90789 | 19.0398 | 28.3402 | 37.07323 | 3.20514 | 45.13486 | 33.80135 | -0.06674 | 49.53674 | 44.62706 | 10.75897 | 31.45103 |
| 5/4/2025 | 3:00:00 PM | 33.87812 | 52.89358 | 19.01546 | 28.36454 | 37.08039 | 3.20227 | 45.13773 | 33.80862 | -0.0695 | 49.5395 | 44.63778 | 10.75966 | 31.45034 |
| 5/4/2025 | 4:00:00 PM | 33.86475 | 52.88643 | 19.02168 | 28.35832 | 37.08755 | 3.2228 | 45.1172 | 33.80135 | -0.0634 | 49.5334 | 44.61992 | 10.75517 | 31.45483 |
| 5/4/2025 | 5:00:00 PM | 33.85472 | 52.87928 | 19.02456 | 28.35544 | 37.08755 | 3.23283 | 45.10717 | 33.79408 | -0.06064 | 49.53064 | 44.61992 | 10.7652 | 31.4448 |
| 5/4/2025 | 6:00:00 PM | 33.85472 | 52.88286 | 19.02814 | 28.35186 | 37.08755 | 3.23283 | 45.10717 | 33.79408 | -0.06064 | 49.53064 | 44.61992 | 10.7652 | 31.4448 |
| 5/4/2025 | 7:00:00 PM | 33.85472 | 52.89001 | 19.03529 | 28.34471 | 37.09471 | 3.23999 | 45.10001 | 33.80135 | -0.05337 | 49.52337 | 44.62706 | 10.77234 | 31.43766 |
| 5/4/2025 | 8:00:00 PM | 33.84468 | 52.89001 | 19.04533 | 28.33467 | 37.09829 | 3.25361 | 45.08639 | 33.80498 | -0.0397 | 49.5097 | 44.62706 | 10.78238 | 31.42762 |
| 5/4/2025 | 9:00:00 PM | 33.84134 | 52.91862 | 19.07728 | 28.30272 | 37.10187 | 3.26053 | 45.07947 | 33.81952 | -0.02182 | 49.49182 | 44.63063 | 10.78929 | 31.42071 |
| 5/4/2025 | 10:00:00 PM | 33.83131 | 52.93292 | 19.10161 | 28.27839 | 37.10187 | 3.27056 | 45.06944 | 33.83406 | 0.00275 | 49.46725 | 44.64849 | 10.81718 | 31.39282 |
| 5/4/2025 | 11:00:00 PM | 33.82462 | 52.94007 | 19.11545 | 28.26455 | 37.10902 | 3.2844 | 45.0556 | 33.84496 | 0.02034 | 49.44966 | 44.64492 | 10.8203 | 31.3897 |
| 5/5/2025 | 12:00:00 AM | 33.838 | 52.9508 | 19.1128 | 28.2672 | 37.10902 | 3.27102 | 45.06898 | 33.85586 | 0.01786 | 49.45214 | 44.6592 | 10.8212 | 31.3888 |
| 5/5/2025 | 1:00:00 AM | 33.84803 | 52.97226 | 19.12423 | 28.25577 | 37.1305 | 3.28247 | 45.05753 | 33.85223 | 0.0042 | 49.4658 | 44.66277 | 10.81474 | 31.39526 |
| 5/5/2025 | 2:00:00 AM | 33.84468 | 52.96511 | 19.12043 | 28.25957 | 37.1305 | 3.28582 | 45.05418 | 33.85949 | 0.01481 | 49.45519 | 44.66992 | 10.82524 | 31.38476 |
| 5/5/2025 | 3:00:00 AM | 33.84468 | 52.97583 | 19.13115 | 28.24885 | 37.13408 | 3.2894 | 45.0506 | 33.86676 | 0.02208 | 49.44792 | 44.67706 | 10.83238 | 31.37762 |
| 5/5/2025 | 4:00:00 AM | 33.84803 | 52.97583 | 19.1278 | 28.2522 | 37.13766 | 3.28963 | 45.05037 | 33.8704 | 0.02237 | 49.44763 | 44.68063 | 10.8326 | 31.3774 |
| 5/5/2025 | 5:00:00 AM | 33.84803 | 52.96868 | 19.12065 | 28.25935 | 37.14124 | 3.29321 | 45.04679 | 33.86313 | 0.0151 | 49.4549 | 44.6842 | 10.83617 | 31.37383 |
| 5/5/2025 | 6:00:00 AM | 33.85137 | 52.97583 | 19.12446 | 28.25554 | 37.15198 | 3.30061 | 45.03939 | 33.8704 | 0.01903 | 49.45097 | 44.6842 | 10.83283 | 31.37717 |
| 5/5/2025 | 7:00:00 AM | 33.85806 | 52.99729 | 19.13923 | 28.24077 | 37.15198 | 3.29392 | 45.04608 | 33.87403 | 0.01597 | 49.45403 | 44.69135 | 10.83329 | 31.37671 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/5/2025 | 8:00:00 AM | 33.85472 | 52.99371 | 19.13899 | 28.24101 | 37.15914 | 3.30442 | 45.03558 | 33.8813 | 0.02658 | 49.44342 | 44.69135 | 10.83663 | 31.37337 |
| 5/5/2025 | 9:00:00 AM | 33.87144 | 52.98656 | 19.11512 | 28.26488 | 37.1663 | 3.29486 | 45.04514 | 33.87767 | 0.00623 | 49.46377 | 44.69492 | 10.82348 | 31.38652 |
| 5/5/2025 | 10:00:00 AM | 33.87144 | 52.98656 | 19.11512 | 28.26488 | 37.16272 | 3.29128 | 45.04872 | 33.8813 | 0.00986 | 49.46014 | 44.70206 | 10.83062 | 31.37938 |
| 5/5/2025 | 11:00:00 AM | 33.87478 | 52.96511 | 19.09033 | 28.28967 | 37.1663 | 3.29152 | 45.04848 | 33.87403 | -0.00075 | 49.47075 | 44.69492 | 10.82014 | 31.38986 |
| 5/5/2025 | 12:00:00 PM | 33.88481 | 52.94723 | 19.06242 | 28.31758 | 37.17704 | 3.29223 | 45.04777 | 33.85949 | -0.02532 | 49.49532 | 44.6842 | 10.79939 | 31.41061 |
| 5/5/2025 | 1:00:00 PM | 33.8915 | 52.92219 | 19.03069 | 28.34931 | 37.17346 | 3.28196 | 45.05804 | 33.83769 | -0.05381 | 49.52381 | 44.68063 | 10.78913 | 31.42087 |
| 5/5/2025 | 2:00:00 PM | 33.95838 | 52.91504 | 18.95666 | 28.42334 | 37.17704 | 3.21866 | 45.12134 | 33.82679 | -0.13159 | 49.60159 | 44.66992 | 10.71154 | 31.49846 |
| 5/5/2025 | 3:00:00 PM | 33.96841 | 52.89001 | 18.9216 | 28.4584 | 37.16988 | 3.20147 | 45.13853 | 33.81952 | -0.14889 | 49.61889 | 44.65563 | 10.68722 | 31.52278 |
| 5/5/2025 | 4:00:00 PM | 33.945 | 52.8614 | 18.9164 | 28.4636 | 37.16272 | 3.21772 | 45.12228 | 33.79045 | -0.15455 | 49.62455 | 44.63778 | 10.69278 | 31.51722 |
| 5/5/2025 | 5:00:00 PM | 33.93832 | 52.8471 | 18.90878 | 28.47122 | 37.16988 | 3.23156 | 45.10844 | 33.77954 | -0.15878 | 49.62878 | 44.62706 | 10.68874 | 31.52126 |
| 5/5/2025 | 6:00:00 PM | 33.93163 | 52.82922 | 18.89759 | 28.48241 | 37.1663 | 3.23467 | 45.10533 | 33.76501 | -0.16662 | 49.63662 | 44.61278 | 10.68115 | 31.52885 |
| 5/5/2025 | 7:00:00 PM | 33.9216 | 52.81849 | 18.89689 | 28.48311 | 37.16272 | 3.24112 | 45.09888 | 33.7541 | -0.1675 | 49.6375 | 44.59849 | 10.67689 | 31.53311 |
| 5/5/2025 | 8:00:00 PM | 33.90488 | 52.80776 | 18.90288 | 28.47712 | 37.15198 | 3.2471 | 45.0929 | 33.7432 | -0.16168 | 49.63168 | 44.58063 | 10.67575 | 31.53425 |
| 5/5/2025 | 9:00:00 PM | 33.89819 | 52.81491 | 18.91672 | 28.46328 | 37.1484 | 3.25021 | 45.08979 | 33.75047 | -0.14772 | 49.61772 | 44.58063 | 10.68244 | 31.52756 |
| 5/5/2025 | 10:00:00 PM | 33.88481 | 52.82206 | 18.93725 | 28.44275 | 37.15198 | 3.26717 | 45.07283 | 33.74684 | -0.13797 | 49.60797 | 44.57706 | 10.69225 | 31.51775 |
| 5/5/2025 | 11:00:00 PM | 33.87144 | 52.81849 | 18.94705 | 28.43295 | 37.14124 | 3.2698 | 45.0702 | 33.7432 | -0.12824 | 49.59824 | 44.56992 | 10.69848 | 31.51152 |
| 5/6/2025 | 12:00:00 AM | 33.87812 | 52.83994 | 18.96182 | 28.41818 | 37.13408 | 3.25596 | 45.08404 | 33.7432 | -0.13492 | 49.60492 | 44.57349 | 10.69537 | 31.51463 |
| 5/6/2025 | 1:00:00 AM | 33.85806 | 52.84352 | 18.98546 | 28.39454 | 37.13408 | 3.27602 | 45.06398 | 33.73957 | -0.11849 | 49.58849 | 44.56278 | 10.70472 | 31.50528 |
| 5/6/2025 | 2:00:00 AM | 33.84803 | 52.83637 | 18.98834 | 28.39166 | 37.12692 | 3.27889 | 45.06111 | 33.72503 | -0.123 | 49.593 | 44.55921 | 10.71118 | 31.49882 |
| 5/6/2025 | 3:00:00 AM | 33.84468 | 52.83994 | 18.99526 | 28.38474 | 37.12334 | 3.27866 | 45.06134 | 33.72503 | -0.11965 | 49.58965 | 44.55921 | 10.71453 | 31.49547 |
| 5/6/2025 | 4:00:00 AM | 33.77446 | 52.71478 | 18.94032 | 28.43968 | 37.11976 | 3.3453 | 44.9947 | 33.7214 | -0.05306 | 49.52306 | 44.54492 | 10.77046 | 31.43954 |
| 5/6/2025 | 5:00:00 AM | 33.7544 | 52.67187 | 18.91747 | 28.46253 | 37.11618 | 3.36178 | 44.97822 | 33.70323 | -0.05117 | 49.52117 | 44.53421 | 10.77981 | 31.43019 |
| 5/6/2025 | 6:00:00 AM | 33.74436 | 52.65756 | 18.9132 | 28.4668 | 37.10902 | 3.36466 | 44.97534 | 33.69596 | -0.0484 | 49.5184 | 44.53421 | 10.78985 | 31.42015 |
| 5/6/2025 | 7:00:00 AM | 33.74102 | 52.66114 | 18.92012 | 28.45988 | 37.10902 | 3.368 | 44.972 | 33.68142 | -0.0596 | 49.5296 | 44.51635 | 10.77533 | 31.43467 |
| 5/6/2025 | 8:00:00 AM | 33.74436 | 52.65399 | 18.90963 | 28.47037 | 37.09471 | 3.35035 | 44.98965 | 33.68505 | -0.05931 | 49.52931 | 44.50921 | 10.76485 | 31.44515 |
| 5/6/2025 | 9:00:00 AM | 33.74771 | 52.65756 | 18.90985 | 28.47015 | 37.10187 | 3.35416 | 44.98584 | 33.66688 | -0.08083 | 49.55083 | 44.50207 | 10.75436 | 31.45564 |
| 5/6/2025 | 10:00:00 AM | 33.75774 | 52.64326 | 18.88552 | 28.49448 | 37.09471 | 3.33697 | 45.00303 | 33.66688 | -0.09086 | 49.56086 | 44.49492 | 10.73718 | 31.47282 |
| 5/6/2025 | 11:00:00 AM | 33.76443 | 52.63611 | 18.87168 | 28.50832 | 37.08039 | 3.31596 | 45.02404 | 33.65235 | -0.11208 | 49.58208 | 44.48421 | 10.71978 | 31.49022 |
| 5/6/2025 | 12:00:00 PM | 33.77446 | 52.61823 | 18.84377 | 28.53623 | 37.08039 | 3.30593 | 45.03407 | 33.63054 | -0.14392 | 49.61392 | 44.43421 | 10.65975 | 31.55025 |
| 5/6/2025 | 1:00:00 PM | 33.78449 | 52.58962 | 18.80513 | 28.57487 | 37.06965 | 3.28516 | 45.05484 | 33.61237 | -0.17212 | 49.64212 | 44.3985 | 10.61401 | 31.59599 |
| 5/6/2025 | 2:00:00 PM | 33.838 | 52.57174 | 18.73374 | 28.64626 | 37.06607 | 3.22807 | 45.11193 | 33.58693 | -0.25107 | 49.72107 | 44.41993 | 10.58193 | 31.62807 |
| 5/6/2025 | 3:00:00 PM | 33.84468 | 52.53955 | 18.69487 | 28.68513 | 37.05175 | 3.20707 | 45.13293 | 33.57603 | -0.26865 | 49.73865 | 44.36993 | 10.52525 | 31.68475 |
| 5/6/2025 | 4:00:00 PM | 33.83131 | 52.51095 | 18.67964 | 28.70036 | 37.03743 | 3.20612 | 45.13388 | 33.55422 | -0.27709 | 49.74709 | 44.38421 | 10.5529 | 31.6571 |
| 5/6/2025 | 5:00:00 PM | 33.81793 | 52.48591 | 18.66798 | 28.71202 | 37.02312 | 3.20519 | 45.13481 | 33.52515 | -0.29278 | 49.76278 | 44.34493 | 10.527 | 31.683 |
| 5/6/2025 | 6:00:00 PM | 33.80121 | 52.45015 | 18.64894 | 28.73106 | 37.01238 | 3.21117 | 45.12883 | 33.49971 | -0.3015 | 49.7715 | 44.30564 | 10.50443 | 31.70557 |
| 5/6/2025 | 7:00:00 PM | 33.79118 | 52.43227 | 18.64109 | 28.73891 | 36.99806 | 3.20688 | 45.13312 | 33.48518 | -0.306 | 49.776 | 44.30207 | 10.51089 | 31.69911 |
| 5/6/2025 | 8:00:00 PM | 33.77446 | 52.43227 | 18.65781 | 28.72219 | 36.98732 | 3.21286 | 45.12714 | 33.47064 | -0.30382 | 49.77382 | 44.30564 | 10.53118 | 31.67882 |
| 5/6/2025 | 9:00:00 PM | 33.76777 | 52.43227 | 18.6645 | 28.7155 | 36.973 | 3.20523 | 45.13477 | 33.45974 | -0.30803 | 49.77803 | 44.29493 | 10.52716 | 31.68284 |
| 5/6/2025 | 10:00:00 PM | 33.76443 | 52.45015 | 18.68572 | 28.69428 | 36.96584 | 3.20141 | 45.13859 | 33.45974 | -0.30469 | 49.77469 | 44.28422 | 10.51979 | 31.69021 |
| 5/6/2025 | 11:00:00 PM | 33.75774 | 52.44658 | 18.68884 | 28.69116 | 36.95153 | 3.19379 | 45.14621 | 33.45974 | -0.298 | 49.768 | 44.26993 | 10.51219 | 31.69781 |
| 5/7/2025 | 12:00:00 AM | 33.74436 | 52.443 | 18.69864 | 28.68136 | 36.94437 | 3.20001 | 45.13999 | 33.4452 | -0.29916 | 49.76916 | 44.2735 | 10.52914 | 31.68086 |
| 5/7/2025 | 1:00:00 AM | 33.74102 | 52.46088 | 18.71986 | 28.66014 | 36.93005 | 3.18903 | 45.15097 | 33.44883 | -0.29219 | 49.76219 | 44.26993 | 10.52891 | 31.68109 |
| 5/7/2025 | 2:00:00 AM | 33.74436 | 52.46088 | 18.71652 | 28.66348 | 36.91931 | 3.17495 | 45.16505 | 33.45247 | -0.29189 | 49.76189 | 44.26279 | 10.51843 | 31.69157 |
| 5/7/2025 | 3:00:00 AM | 33.74436 | 52.48591 | 18.74155 | 28.63845 | 36.90499 | 3.16063 | 45.17937 | 33.45974 | -0.28462 | 49.75462 | 44.26636 | 10.522 | 31.688 |
| 5/7/2025 | 4:00:00 AM | 33.73433 | 52.48591 | 18.75158 | 28.62842 | 36.90141 | 3.16708 | 45.17292 | 33.46337 | -0.27096 | 49.74096 | 44.26993 | 10.5356 | 31.6744 |
| 5/7/2025 | 5:00:00 AM | 33.73433 | 52.48234 | 18.74801 | 28.63199 | 36.89783 | 3.1635 | 45.1765 | 33.47791 | -0.25642 | 49.72642 | 44.2735 | 10.53917 | 31.67083 |
| 5/7/2025 | 6:00:00 AM | 33.73768 | 52.49307 | 18.75539 | 28.62461 | 36.89067 | 3.15299 | 45.18701 | 33.49244 | -0.24524 | 49.71524 | 44.28064 | 10.54296 | 31.66704 |
| 5/7/2025 | 7:00:00 AM | 33.7243 | 52.48591 | 18.76161 | 28.61839 | 36.88351 | 3.15921 | 45.18079 | 33.48518 | -0.23912 | 49.70912 | 44.27707 | 10.55277 | 31.65723 |
| 5/7/2025 | 8:00:00 AM | 33.74436 | 52.52167 | 18.77731 | 28.60269 | 36.88351 | 3.13915 | 45.20085 | 33.51061 | -0.23375 | 49.70375 | 44.29136 | 10.547 | 31.663 |
| 5/7/2025 | 9:00:00 AM | 33.75774 | 52.53598 | 18.77824 | 28.60176 | 36.88351 | 3.12577 | 45.21423 | 33.51788 | -0.23986 | 49.70986 | 44.30207 | 10.54433 | 31.66567 |
| 5/7/2025 | 10:00:00 AM | 33.76108 | 52.54313 | 18.78205 | 28.59795 | 36.88351 | 3.12243 | 45.21757 | 33.52515 | -0.23593 | 49.70593 | 44.30564 | 10.54456 | 31.66544 |
| 5/7/2025 | 11:00:00 AM | 33.77446 | 52.54671 | 18.77225 | 28.60775 | 36.88709 | 3.11263 | 45.22737 | 33.53242 | -0.24204 | 49.71204 | 44.31636 | 10.5419 | 31.6681 |
| 5/7/2025 | 12:00:00 PM | 33.7778 | 52.55386 | 18.77606 | 28.60394 | 36.87278 | 3.09498 | 45.24502 | 33.53242 | -0.24538 | 49.71538 | 44.32707 | 10.54927 | 31.66073 |
| 5/7/2025 | 1:00:00 PM | 33.7778 | 52.53955 | 18.76175 | 28.61825 | 36.87636 | 3.09856 | 45.24144 | 33.52879 | -0.24901 | 49.71901 | 44.32707 | 10.54927 | 31.66073 |
| 5/7/2025 | 2:00:00 PM | 33.77446 | 52.53598 | 18.76152 | 28.61848 | 36.87993 | 3.10547 | 45.23453 | 33.52152 | -0.25294 | 49.72294 | 44.31636 | 10.5419 | 31.6681 |
| 5/7/2025 | 3:00:00 PM | 33.79118 | 52.51452 | 18.72334 | 28.65666 | 36.87993 | 3.08875 | 45.25125 | 33.51425 | -0.27693 | 49.74693 | 44.31636 | 10.52518 | 31.68482 |
| 5/7/2025 | 4:00:00 PM | 33.78784 | 52.51452 | 18.72668 | 28.65332 | 36.87993 | 3.09209 | 45.24791 | 33.51061 | -0.27723 | 49.74723 | 44.31279 | 10.52495 | 31.68505 |
| 5/7/2025 | 5:00:00 PM | 33.78784 | 52.52525 | 18.73741 | 28.64259 | 36.87993 | 3.09209 | 45.24791 | 33.52515 | -0.26269 | 49.73269 | 44.3235 | 10.53566 | 31.67434 |
| 5/7/2025 | 6:00:00 PM | 33.80456 | 52.56459 | 18.76003 | 28.61997 | 36.87636 | 3.0718 | 45.2682 | 33.53969 | -0.26487 | 49.73487 | 44.33064 | 10.52608 | 31.68392 |
| 5/7/2025 | 7:00:00 PM | 33.80456 | 52.58962 | 18.78506 | 28.59494 | 36.87993 | 3.07537 | 45.26463 | 33.56513 | -0.23943 | 49.70943 | 44.34136 | 10.5368 | 31.6732 |
| 5/7/2025 | 8:00:00 PM | 33.8079 | 52.61465 | 18.80675 | 28.57325 | 36.87993 | 3.07203 | 45.26797 | 33.57966 | -0.22824 | 49.69824 | 44.36279 | 10.55489 | 31.65511 |
| 5/7/2025 | 9:00:00 PM | 33.81124 | 52.64684 | 18.8356 | 28.5444 | 36.88351 | 3.07227 | 45.26773 | 33.61601 | -0.19523 | 49.66523 | 44.39493 | 10.58369 | 31.62631 |
| 5/7/2025 | 10:00:00 PM | 33.82462 | 52.70048 | 18.87586 | 28.50414 | 36.89425 | 3.06963 | 45.27037 | 33.64144 | -0.18318 | 49.65318 | 44.46278 | 10.63816 | 31.57184 |
| 5/7/2025 | 11:00:00 PM | 33.83465 | 52.73266 | 18.89801 | 28.48199 | 36.89425 | 3.0596 | 45.2804 | 33.67415 | -0.1605 | 49.6305 | 44.44493 | 10.61028 | 31.59972 |
| 5/8/2025 | 12:00:00 AM | 33.838 | 52.74339 | 18.90539 | 28.47461 | 36.90857 | 3.07057 | 45.26943 | 33.69596 | -0.14204 | 49.61204 | 44.48778 | 10.64978 | 31.56022 |
| 5/8/2025 | 1:00:00 AM | 33.84803 | 52.77915 | 18.93112 | 28.44888 | 36.91931 | 3.07128 | 45.26872 | 33.72503 | -0.123 | 49.593 | 44.50921 | 10.66118 | 31.54882 |
| 5/8/2025 | 2:00:00 AM | 33.85137 | 52.79703 | 18.94566 | 28.43434 | 36.93005 | 3.07868 | 45.26132 | 33.7541 | -0.09727 | 49.56727 | 44.52349 | 10.67212 | 31.53788 |
| 5/8/2025 | 3:00:00 AM | 33.85472 | 52.82922 | 18.9745 | 28.4055 | 36.94437 | 3.08965 | 45.25035 | 33.76137 | -0.09335 | 49.56335 | 44.53778 | 10.68306 | 31.52694 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/8/2025 | 4:00:00 AM | 33.8614 | 52.84352 | 18.98212 | 28.39788 | 36.95868 | 3.09728 | 45.24272 | 33.79045 | -0.07095 | 49.54095 | 44.55921 | 10.69781 | 31.51219 |
| 5/8/2025 | 5:00:00 AM | 33.86475 | 52.86498 | 19.00023 | 28.37977 | 36.96584 | 3.10109 | 45.23891 | 33.80862 | -0.05613 | 49.52613 | 44.57349 | 10.70874 | 31.50126 |
| 5/8/2025 | 6:00:00 AM | 33.8614 | 52.87213 | 19.01073 | 28.36927 | 36.98732 | 3.12592 | 45.21408 | 33.81588 | -0.04552 | 49.51552 | 44.59135 | 10.72995 | 31.48005 |
| 5/8/2025 | 7:00:00 AM | 33.86475 | 52.88643 | 19.02168 | 28.35832 | 36.99448 | 3.12973 | 45.21027 | 33.83042 | -0.03433 | 49.50433 | 44.60921 | 10.74446 | 31.46554 |
| 5/8/2025 | 8:00:00 AM | 33.87812 | 52.91504 | 19.03692 | 28.34308 | 37.01954 | 3.14142 | 45.19858 | 33.85223 | -0.02589 | 49.49589 | 44.6342 | 10.75608 | 31.45392 |
| 5/8/2025 | 9:00:00 AM | 33.88147 | 52.92935 | 19.04788 | 28.33212 | 37.0267 | 3.14523 | 45.19477 | 33.8704 | -0.01107 | 49.48107 | 44.64849 | 10.76702 | 31.44298 |
| 5/8/2025 | 10:00:00 AM | 33.89819 | 52.9508 | 19.05261 | 28.32739 | 37.04101 | 3.14282 | 45.19718 | 33.8813 | -0.01689 | 49.48689 | 44.6592 | 10.76101 | 31.44899 |
| 5/8/2025 | 11:00:00 AM | 33.90488 | 52.94365 | 19.03877 | 28.34123 | 37.05175 | 3.14687 | 45.19313 | 33.88493 | -0.01995 | 49.48995 | 44.66277 | 10.75789 | 31.45211 |
| 5/8/2025 | 12:00:00 PM | 33.89819 | 52.92577 | 19.02758 | 28.35242 | 37.06965 | 3.17146 | 45.16854 | 33.88493 | -0.01326 | 49.48326 | 44.67349 | 10.7753 | 31.4347 |
| 5/8/2025 | 1:00:00 PM | 33.88147 | 52.83994 | 18.95847 | 28.42153 | 37.07681 | 3.19534 | 45.14466 | 33.87403 | -0.00744 | 49.47744 | 44.66992 | 10.78845 | 31.42155 |
| 5/8/2025 | 2:00:00 PM | 33.90488 | 52.81849 | 18.91361 | 28.46639 | 37.07681 | 3.17193 | 45.16807 | 33.84496 | -0.05992 | 49.52992 | 44.66277 | 10.75789 | 31.45211 |
| 5/8/2025 | 3:00:00 PM | 33.9216 | 52.81491 | 18.89331 | 28.48669 | 37.09113 | 3.16953 | 45.17047 | 33.84132 | -0.08028 | 49.55028 | 44.6592 | 10.7376 | 31.4724 |
| 5/8/2025 | 4:00:00 PM | 33.91491 | 52.81491 | 18.9 | 28.48 | 37.10187 | 3.18696 | 45.15304 | 33.84132 | -0.07359 | 49.54359 | 44.65206 | 10.73715 | 31.47285 |
| 5/8/2025 | 5:00:00 PM | 33.89819 | 52.78988 | 18.89169 | 28.48831 | 37.10187 | 3.20368 | 45.13632 | 33.82679 | -0.0714 | 49.5414 | 44.64492 | 10.74673 | 31.46327 |
| 5/8/2025 | 6:00:00 PM | 33.88816 | 52.78273 | 18.89457 | 28.48543 | 37.10545 | 3.21729 | 45.12271 | 33.81588 | -0.07228 | 49.54228 | 44.63778 | 10.74962 | 31.46038 |
| 5/8/2025 | 7:00:00 PM | 33.87478 | 52.76485 | 18.89007 | 28.48993 | 37.10902 | 3.23424 | 45.10576 | 33.81225 | -0.06253 | 49.53253 | 44.62349 | 10.74871 | 31.46129 |
| 5/8/2025 | 8:00:00 PM | 33.86475 | 52.75769 | 18.89294 | 28.48706 | 37.1126 | 3.24785 | 45.09215 | 33.80498 | -0.05977 | 49.52977 | 44.61992 | 10.75517 | 31.45483 |
| 5/8/2025 | 9:00:00 PM | 33.85137 | 52.75769 | 18.90632 | 28.47368 | 37.1126 | 3.26123 | 45.07877 | 33.79045 | -0.06092 | 49.53092 | 44.62349 | 10.77212 | 31.43788 |
| 5/8/2025 | 10:00:00 PM | 33.83465 | 52.76842 | 18.93377 | 28.44623 | 37.11618 | 3.28153 | 45.05847 | 33.79771 | -0.03694 | 49.50694 | 44.60563 | 10.77098 | 31.43902 |
| 5/8/2025 | 11:00:00 PM | 33.838 | 52.77557 | 18.93757 | 28.44243 | 37.1126 | 3.2746 | 45.0654 | 33.80135 | -0.03665 | 49.50665 | 44.61635 | 10.77835 | 31.43165 |
| 5/9/2025 | 12:00:00 AM | 33.82796 | 52.772 | 18.94404 | 28.43596 | 37.11618 | 3.28822 | 45.05178 | 33.79771 | -0.03025 | 49.50025 | 44.60921 | 10.78125 | 31.42875 |
| 5/9/2025 | 1:00:00 AM | 33.81793 | 52.78273 | 18.9648 | 28.4152 | 37.1126 | 3.29467 | 45.04533 | 33.80135 | -0.01658 | 49.48658 | 44.60563 | 10.7877 | 31.4223 |
| 5/9/2025 | 2:00:00 AM | 33.8079 | 52.772 | 18.9641 | 28.4159 | 37.1126 | 3.3047 | 45.0353 | 33.79771 | -0.01019 | 49.48019 | 44.57349 | 10.76559 | 31.44441 |
| 5/9/2025 | 3:00:00 AM | 33.80456 | 52.77915 | 18.97459 | 28.40541 | 37.11976 | 3.3152 | 45.0248 | 33.78681 | -0.01775 | 49.48775 | 44.59849 | 10.79393 | 31.41607 |
| 5/9/2025 | 4:00:00 AM | 33.79452 | 52.77557 | 18.98105 | 28.39895 | 37.11618 | 3.32166 | 45.01834 | 33.79045 | -0.00407 | 49.47407 | 44.57349 | 10.77897 | 31.43103 |
| 5/9/2025 | 5:00:00 AM | 33.78784 | 52.78273 | 18.99489 | 28.38511 | 37.1126 | 3.32476 | 45.01524 | 33.79045 | 0.00261 | 49.46739 | 44.59492 | 10.80708 | 31.40292 |
| 5/9/2025 | 6:00:00 AM | 33.78449 | 52.78273 | 18.99824 | 28.38176 | 37.1126 | 3.32811 | 45.01189 | 33.77954 | -0.00495 | 49.47495 | 44.58778 | 10.80329 | 31.40671 |
| 5/9/2025 | 7:00:00 AM | 33.78784 | 52.78988 | 19.00204 | 28.37796 | 37.11618 | 3.32834 | 45.01166 | 33.78318 | -0.00466 | 49.47466 | 44.59135 | 10.80351 | 31.40649 |
| 5/9/2025 | 8:00:00 AM | 33.79452 | 52.79703 | 19.00251 | 28.37749 | 37.11618 | 3.32166 | 45.01834 | 33.78681 | -0.00771 | 49.47771 | 44.59135 | 10.79683 | 31.41317 |
| 5/9/2025 | 9:00:00 AM | 33.79118 | 52.79703 | 19.00585 | 28.37415 | 37.11618 | 3.325 | 45.015 | 33.78318 | -0.008 | 49.478 | 44.58421 | 10.79303 | 31.41697 |
| 5/9/2025 | 10:00:00 AM | 33.81124 | 52.79345 | 18.98221 | 28.39779 | 37.11618 | 3.30494 | 45.03506 | 33.77591 | -0.03533 | 49.50533 | 44.58421 | 10.77297 | 31.43703 |
| 5/9/2025 | 11:00:00 AM | 33.81459 | 52.77915 | 18.96456 | 28.41544 | 37.1126 | 3.29801 | 45.04199 | 33.77591 | -0.03868 | 49.50868 | 44.58063 | 10.76604 | 31.44396 |
| 5/9/2025 | 12:00:00 PM | 33.82128 | 52.76485 | 18.94357 | 28.43643 | 37.10902 | 3.28774 | 45.05226 | 33.75774 | -0.06354 | 49.53354 | 44.57349 | 10.75221 | 31.45779 |
| 5/9/2025 | 1:00:00 PM | 33.83131 | 52.75769 | 18.92638 | 28.45362 | 37.10545 | 3.27414 | 45.06586 | 33.7541 | -0.07721 | 49.54721 | 44.56278 | 10.73147 | 31.47853 |
| 5/9/2025 | 2:00:00 PM | 33.87144 | 52.74697 | 18.87553 | 28.50447 | 37.10545 | 3.23401 | 45.10599 | 33.7323 | -0.13914 | 49.60914 | 44.55564 | 10.6842 | 31.5258 |
| 5/9/2025 | 3:00:00 PM | 33.8915 | 52.71836 | 18.82686 | 28.55314 | 37.10545 | 3.21395 | 45.12605 | 33.72503 | -0.16647 | 49.63647 | 44.54492 | 10.65342 | 31.55658 |
| 5/9/2025 | 4:00:00 PM | 33.87144 | 52.69332 | 18.82188 | 28.55812 | 37.10187 | 3.23043 | 45.10957 | 33.70686 | -0.16458 | 49.63458 | 44.48778 | 10.61634 | 31.59366 |
| 5/9/2025 | 5:00:00 PM | 33.87144 | 52.69332 | 18.82188 | 28.55812 | 37.09113 | 3.21969 | 45.12031 | 33.69596 | -0.17548 | 49.64548 | 44.51278 | 10.64134 | 31.56866 |
| 5/9/2025 | 6:00:00 PM | 33.8614 | 52.6826 | 18.8212 | 28.5588 | 37.08755 | 3.22615 | 45.11385 | 33.68505 | -0.17635 | 49.64635 | 44.50207 | 10.64067 | 31.56933 |
| 5/9/2025 | 7:00:00 PM | 33.84468 | 52.66829 | 18.82361 | 28.55639 | 37.08039 | 3.23571 | 45.10429 | 33.67779 | -0.16689 | 49.63689 | 44.49135 | 10.64667 | 31.56333 |
| 5/9/2025 | 8:00:00 PM | 33.83131 | 52.66114 | 18.82983 | 28.55017 | 37.08039 | 3.24908 | 45.09092 | 33.67052 | -0.16079 | 49.63079 | 44.46992 | 10.63861 | 31.57139 |
| 5/9/2025 | 9:00:00 PM | 33.81793 | 52.65399 | 18.83606 | 28.54394 | 37.07681 | 3.25888 | 45.08112 | 33.66688 | -0.15105 | 49.62105 | 44.4735 | 10.65557 | 31.55443 |
| 5/9/2025 | 10:00:00 PM | 33.81124 | 52.66114 | 18.8499 | 28.5301 | 37.06965 | 3.25841 | 45.08159 | 33.66325 | -0.14799 | 49.61799 | 44.4735 | 10.66226 | 31.54774 |
| 5/9/2025 | 11:00:00 PM | 33.79452 | 52.64684 | 18.85232 | 28.52768 | 37.06249 | 3.26797 | 45.07203 | 33.65598 | -0.13854 | 49.60854 | 44.45921 | 10.66469 | 31.54531 |
| 5/10/2025 | 12:00:00 AM | 33.78115 | 52.63253 | 18.85138 | 28.52862 | 37.05533 | 3.27418 | 45.06582 | 33.64508 | -0.13607 | 49.60607 | 44.43421 | 10.65306 | 31.55694 |
| 5/10/2025 | 1:00:00 AM | 33.77112 | 52.62538 | 18.85426 | 28.52574 | 37.04817 | 3.27705 | 45.06295 | 33.63418 | -0.13694 | 49.60694 | 44.42707 | 10.65595 | 31.55405 |
| 5/10/2025 | 2:00:00 AM | 33.76443 | 52.61823 | 18.8538 | 28.5262 | 37.03743 | 3.273 | 45.067 | 33.62327 | -0.14116 | 49.61116 | 44.40207 | 10.63764 | 31.57236 |
| 5/10/2025 | 3:00:00 AM | 33.7544 | 52.6075 | 18.8531 | 28.5269 | 37.03743 | 3.28303 | 45.05697 | 33.60147 | -0.15293 | 49.62293 | 44.41635 | 10.66195 | 31.54805 |
| 5/10/2025 | 4:00:00 AM | 33.74102 | 52.6075 | 18.86648 | 28.51352 | 37.0267 | 3.28568 | 45.05432 | 33.59783 | -0.14319 | 49.61319 | 44.40564 | 10.66462 | 31.54538 |
| 5/10/2025 | 5:00:00 AM | 33.74102 | 52.60392 | 18.8629 | 28.5171 | 37.01954 | 3.27852 | 45.06148 | 33.59057 | -0.15045 | 49.62045 | 44.38421 | 10.64319 | 31.56681 |
| 5/10/2025 | 6:00:00 AM | 33.73433 | 52.60035 | 18.86602 | 28.51398 | 37.01238 | 3.27805 | 45.06195 | 33.5833 | -0.15103 | 49.62103 | 44.38778 | 10.65345 | 31.55655 |
| 5/10/2025 | 7:00:00 AM | 33.74102 | 52.59677 | 18.85575 | 28.52425 | 37.0088 | 3.26778 | 45.07222 | 33.57966 | -0.16136 | 49.63136 | 44.38421 | 10.64319 | 31.56681 |
| 5/10/2025 | 8:00:00 AM | 33.74771 | 52.61823 | 18.87052 | 28.50948 | 36.99806 | 3.25035 | 45.08965 | 33.57603 | -0.17168 | 49.64168 | 44.38421 | 10.6365 | 31.5735 |
| 5/10/2025 | 9:00:00 AM | 33.74771 | 52.61465 | 18.86694 | 28.51306 | 36.99448 | 3.24677 | 45.09323 | 33.5724 | -0.17531 | 49.64531 | 44.38064 | 10.63293 | 31.57707 |
| 5/10/2025 | 10:00:00 AM | 33.75105 | 52.61108 | 18.86003 | 28.51997 | 36.98732 | 3.23627 | 45.10373 | 33.56876 | -0.18229 | 49.65229 | 44.36993 | 10.61888 | 31.59112 |
| 5/10/2025 | 11:00:00 AM | 33.76443 | 52.61465 | 18.85022 | 28.52978 | 36.98016 | 3.21573 | 45.12427 | 33.56513 | -0.1993 | 49.6693 | 44.36636 | 10.60193 | 31.60807 |
| 5/10/2025 | 12:00:00 PM | 33.77446 | 52.61823 | 18.84377 | 28.53623 | 36.97658 | 3.20212 | 45.13788 | 33.5724 | -0.20206 | 49.67206 | 44.36636 | 10.5919 | 31.6181 |
| 5/10/2025 | 1:00:00 PM | 33.7778 | 52.61823 | 18.84043 | 28.53957 | 36.96584 | 3.18804 | 45.15196 | 33.56876 | -0.20904 | 49.67904 | 44.36636 | 10.58856 | 31.62144 |
| 5/10/2025 | 2:00:00 PM | 33.7778 | 52.61465 | 18.83685 | 28.54315 | 36.96584 | 3.18804 | 45.15196 | 33.56513 | -0.21267 | 49.68267 | 44.35921 | 10.58141 | 31.62859 |
| 5/10/2025 | 3:00:00 PM | 33.70424 | 52.443 | 18.73876 | 28.64124 | 36.9551 | 3.25086 | 45.08914 | 33.56513 | -0.13911 | 49.60911 | 44.35921 | 10.65497 | 31.55503 |
| 5/10/2025 | 4:00:00 PM | 33.70424 | 52.4287 | 18.72446 | 28.65554 | 36.94795 | 3.24371 | 45.09629 | 33.55059 | -0.15365 | 49.62365 | 44.3485 | 10.64426 | 31.56574 |
| 5/10/2025 | 5:00:00 PM | 33.70758 | 52.41439 | 18.70681 | 28.67319 | 36.94795 | 3.24037 | 45.09963 | 33.54332 | -0.16426 | 49.63426 | 44.34493 | 10.63735 | 31.57265 |
| 5/10/2025 | 6:00:00 PM | 33.72764 | 52.43227 | 18.70463 | 28.67537 | 36.94437 | 3.21673 | 45.12327 | 33.53605 | -0.19159 | 49.66159 | 44.33421 | 10.60657 | 31.60343 |
| 5/10/2025 | 7:00:00 PM | 33.71427 | 52.41082 | 18.69655 | 28.68345 | 36.93363 | 3.21936 | 45.12064 | 33.52515 | -0.18912 | 49.65912 | 44.33064 | 10.61637 | 31.59363 |
| 5/10/2025 | 8:00:00 PM | 33.69755 | 52.41082 | 18.71327 | 28.66673 | 36.92647 | 3.22892 | 45.11108 | 33.51788 | -0.17967 | 49.64967 | 44.31636 | 10.61881 | 31.59119 |
| 5/10/2025 | 9:00:00 PM | 33.67748 | 52.39651 | 18.71903 | 28.66097 | 36.92289 | 3.24541 | 45.09459 | 33.50698 | -0.1705 | 49.6405 | 44.31279 | 10.63531 | 31.57469 |
| 5/10/2025 | 10:00:00 PM | 33.66411 | 52.38578 | 18.72167 | 28.65833 | 36.91931 | 3.2552 | 45.0848 | 33.50698 | -0.15713 | 49.62713 | 44.30207 | 10.63796 | 31.57204 |
| 5/10/2025 | 11:00:00 PM | 33.64739 | 52.37148 | 18.72409 | 28.65591 | 36.91215 | 3.26476 | 45.07524 | 33.48518 | -0.16221 | 49.63221 | 44.2735 | 10.62611 | 31.58389 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/11/2025 | 12:00:00 AM | 33.62732 | 52.35717 | 18.72985 | 28.65015 | 36.90141 | 3.27409 | 45.06591 | 33.47791 | -0.14941 | 49.61941 | 44.25565 | 10.62833 | 31.58167 |
| 5/11/2025 | 1:00:00 AM | 33.62732 | 52.34645 | 18.71913 | 28.66087 | 36.89783 | 3.27051 | 45.06949 | 33.46337 | -0.16395 | 49.63395 | 44.2485 | 10.62118 | 31.58882 |
| 5/11/2025 | 2:00:00 AM | 33.6106 | 52.33929 | 18.72869 | 28.65131 | 36.89067 | 3.28007 | 45.05993 | 33.45247 | -0.15813 | 49.62813 | 44.25565 | 10.64505 | 31.56495 |
| 5/11/2025 | 3:00:00 AM | 33.60392 | 52.33572 | 18.7318 | 28.6482 | 36.88709 | 3.28317 | 45.05683 | 33.4452 | -0.15872 | 49.62872 | 44.24493 | 10.64101 | 31.56899 |
| 5/11/2025 | 4:00:00 AM | 33.60392 | 52.33214 | 18.72822 | 28.65178 | 36.87636 | 3.27244 | 45.06756 | 33.4343 | -0.16962 | 49.63962 | 44.23422 | 10.6303 | 31.5797 |
| 5/11/2025 | 5:00:00 AM | 33.59388 | 52.32857 | 18.73469 | 28.64531 | 36.87278 | 3.2789 | 45.0611 | 33.42703 | -0.16685 | 49.63685 | 44.21636 | 10.62248 | 31.58752 |
| 5/11/2025 | 6:00:00 AM | 33.59054 | 52.31784 | 18.7273 | 28.6527 | 36.85488 | 3.26434 | 45.07566 | 33.41249 | -0.17805 | 49.64805 | 44.19493 | 10.60439 | 31.60561 |
| 5/11/2025 | 7:00:00 AM | 33.5872 | 52.32141 | 18.73421 | 28.64579 | 36.8513 | 3.2641 | 45.0759 | 33.40522 | -0.18198 | 49.65198 | 44.20922 | 10.62202 | 31.58798 |
| 5/11/2025 | 8:00:00 AM | 33.59054 | 52.30353 | 18.71299 | 28.66701 | 36.8513 | 3.26076 | 45.07924 | 33.39069 | -0.19985 | 49.66985 | 44.18779 | 10.59725 | 31.61275 |
| 5/11/2025 | 9:00:00 AM | 33.59054 | 52.28565 | 18.69511 | 28.68489 | 36.82624 | 3.2357 | 45.1043 | 33.38342 | -0.20712 | 49.67712 | 44.17708 | 10.58654 | 31.62346 |
| 5/11/2025 | 10:00:00 AM | 33.5872 | 52.28208 | 18.69488 | 28.68512 | 36.81908 | 3.23188 | 45.10812 | 33.36525 | -0.22195 | 49.69195 | 44.16993 | 10.58273 | 31.62727 |
| 5/11/2025 | 11:00:00 AM | 33.59723 | 52.2642 | 18.66697 | 28.71303 | 36.80834 | 3.21111 | 45.12889 | 33.35435 | -0.24288 | 49.71288 | 44.14136 | 10.54413 | 31.66587 |
| 5/11/2025 | 12:00:00 PM | 33.60392 | 52.2642 | 18.66028 | 28.71972 | 36.80476 | 3.20084 | 45.13916 | 33.33981 | -0.26411 | 49.73411 | 44.14494 | 10.54102 | 31.66898 |
| 5/11/2025 | 1:00:00 PM | 33.60726 | 52.24989 | 18.64263 | 28.73737 | 36.79403 | 3.18677 | 45.15323 | 33.32527 | -0.28199 | 49.75199 | 44.13422 | 10.52696 | 31.68304 |
| 5/11/2025 | 2:00:00 PM | 33.6106 | 52.24274 | 18.63214 | 28.74786 | 36.77971 | 3.16911 | 45.17089 | 33.32527 | -0.28533 | 49.75533 | 44.11994 | 10.50934 | 31.70066 |
| 5/11/2025 | 3:00:00 PM | 33.61395 | 52.24632 | 18.63237 | 28.74763 | 36.77255 | 3.1586 | 45.1814 | 33.31074 | -0.30321 | 49.77321 | 44.11636 | 10.50241 | 31.70759 |
| 5/11/2025 | 4:00:00 PM | 33.61395 | 52.22844 | 18.61449 | 28.76551 | 36.76181 | 3.14786 | 45.19214 | 33.30347 | -0.31048 | 49.78048 | 44.10208 | 10.48813 | 31.72187 |
| 5/11/2025 | 5:00:00 PM | 33.6106 | 52.21771 | 18.60711 | 28.77289 | 36.75465 | 3.14405 | 45.19595 | 33.28893 | -0.32167 | 49.79167 | 44.09494 | 10.48434 | 31.72566 |
| 5/11/2025 | 6:00:00 PM | 33.60392 | 52.21771 | 18.61379 | 28.76621 | 36.74749 | 3.14357 | 45.19643 | 33.28893 | -0.31499 | 49.78499 | 44.08779 | 10.48387 | 31.72613 |
| 5/11/2025 | 7:00:00 PM | 33.60392 | 52.23201 | 18.62809 | 28.75191 | 36.73675 | 3.13283 | 45.20717 | 33.29983 | -0.30409 | 49.77409 | 44.08779 | 10.48387 | 31.72613 |
| 5/11/2025 | 8:00:00 PM | 33.59388 | 52.23201 | 18.63813 | 28.74187 | 36.72244 | 3.12856 | 45.21144 | 33.29983 | -0.29405 | 49.76405 | 44.07708 | 10.4832 | 31.7268 |
| 5/11/2025 | 9:00:00 PM | 33.59723 | 52.24632 | 18.64909 | 28.73091 | 36.71886 | 3.12163 | 45.21837 | 33.3071 | -0.29013 | 49.76013 | 44.08422 | 10.48699 | 31.72301 |
| 5/11/2025 | 10:00:00 PM | 33.59388 | 52.24989 | 18.65601 | 28.72399 | 36.71528 | 3.1214 | 45.2186 | 33.31074 | -0.28314 | 49.75314 | 44.08065 | 10.48677 | 31.72323 |
| 5/11/2025 | 11:00:00 PM | 33.57716 | 52.24274 | 18.66558 | 28.71442 | 36.70812 | 3.13096 | 45.20904 | 33.30347 | -0.27369 | 49.74369 | 44.08779 | 10.51063 | 31.69937 |
| 5/12/2025 | 12:00:00 AM | 33.57382 | 52.24274 | 18.66892 | 28.71108 | 36.70454 | 3.13072 | 45.20928 | 33.2962 | -0.27762 | 49.74762 | 44.08422 | 10.5104 | 31.6996 |
| 5/12/2025 | 1:00:00 AM | 33.56044 | 52.23916 | 18.67872 | 28.70128 | 36.69738 | 3.13694 | 45.20306 | 33.2962 | -0.26424 | 49.73424 | 44.08065 | 10.52021 | 31.68979 |
| 5/12/2025 | 2:00:00 AM | 33.56379 | 52.23916 | 18.67537 | 28.70463 | 36.69022 | 3.12643 | 45.21357 | 33.29257 | -0.27122 | 49.74122 | 44.07351 | 10.50972 | 31.70028 |
| 5/12/2025 | 3:00:00 AM | 33.56044 | 52.24274 | 18.6823 | 28.6977 | 36.68664 | 3.1262 | 45.2138 | 33.2853 | -0.27514 | 49.74514 | 44.07351 | 10.51307 | 31.69693 |
| 5/12/2025 | 4:00:00 AM | 33.56379 | 52.24274 | 18.67895 | 28.70105 | 36.68306 | 3.11927 | 45.22073 | 33.28893 | -0.27486 | 49.74486 | 44.08065 | 10.51686 | 31.69314 |
| 5/12/2025 | 5:00:00 AM | 33.5571 | 52.24989 | 18.69279 | 28.68721 | 36.6759 | 3.1188 | 45.2212 | 33.28893 | -0.26817 | 49.73817 | 44.07351 | 10.51641 | 31.69359 |
| 5/12/2025 | 6:00:00 AM | 33.55376 | 52.25347 | 18.69971 | 28.68029 | 36.67948 | 3.12572 | 45.21428 | 33.2853 | -0.26846 | 49.73846 | 44.0628 | 10.50904 | 31.70096 |
| 5/12/2025 | 7:00:00 AM | 33.56713 | 52.27493 | 18.7078 | 28.6722 | 36.66874 | 3.10161 | 45.23839 | 33.29257 | -0.27456 | 49.74456 | 44.07351 | 10.50638 | 31.70362 |
| 5/12/2025 | 8:00:00 AM | 33.57382 | 52.27493 | 18.70111 | 28.67889 | 36.67232 | 3.0985 | 45.2415 | 33.30347 | -0.27035 | 49.74035 | 44.08065 | 10.50683 | 31.70317 |
| 5/12/2025 | 9:00:00 AM | 33.57716 | 52.2785 | 18.70134 | 28.67866 | 36.658 | 3.08084 | 45.25916 | 33.29983 | -0.27733 | 49.74733 | 44.08065 | 10.50349 | 31.70651 |
| 5/12/2025 | 10:00:00 AM | 33.59054 | 52.28208 | 18.69154 | 28.68846 | 36.658 | 3.06746 | 45.27254 | 33.29983 | -0.29071 | 49.76071 | 44.08065 | 10.49011 | 31.71989 |
| 5/12/2025 | 11:00:00 AM | 33.59388 | 52.28923 | 18.69535 | 28.68465 | 36.65442 | 3.06054 | 45.27946 | 33.30347 | -0.29041 | 49.76041 | 44.08779 | 10.49391 | 31.71609 |
| 5/12/2025 | 12:00:00 PM | 33.60726 | 52.30353 | 18.69627 | 28.68373 | 36.65084 | 3.04358 | 45.29642 | 33.318 | -0.28926 | 49.75926 | 44.09137 | 10.48411 | 31.72589 |
| 5/12/2025 | 1:00:00 PM | 33.6106 | 52.31069 | 18.70009 | 28.67991 | 36.65084 | 3.04024 | 45.29976 | 33.31437 | -0.29623 | 49.76623 | 44.09137 | 10.48077 | 31.72923 |
| 5/12/2025 | 2:00:00 PM | 33.6407 | 52.31069 | 18.66999 | 28.71001 | 36.65442 | 3.01372 | 45.32628 | 33.318 | -0.3227 | 49.7927 | 44.09851 | 10.45781 | 31.75219 |
| 5/12/2025 | 3:00:00 PM | 33.63736 | 52.30711 | 18.66975 | 28.71025 | 36.65442 | 3.01706 | 45.32294 | 33.32527 | -0.31209 | 49.78209 | 44.09851 | 10.46115 | 31.74885 |
| 5/12/2025 | 4:00:00 PM | 33.63736 | 52.30711 | 18.66975 | 28.71025 | 36.65442 | 3.01706 | 45.32294 | 33.318 | -0.31936 | 49.78936 | 44.09494 | 10.45758 | 31.75242 |
| 5/12/2025 | 5:00:00 PM | 33.64404 | 52.30353 | 18.65949 | 28.72051 | 36.65084 | 3.0068 | 45.3332 | 33.31074 | -0.3333 | 49.8033 | 44.09851 | 10.45447 | 31.75553 |
| 5/12/2025 | 6:00:00 PM | 33.65073 | 52.31069 | 18.65996 | 28.72004 | 36.64369 | 2.99296 | 45.34704 | 33.32164 | -0.32909 | 49.79909 | 44.09851 | 10.44778 | 31.76222 |
| 5/12/2025 | 7:00:00 PM | 33.65073 | 52.31426 | 18.66353 | 28.71647 | 36.65084 | 3.00011 | 45.33989 | 33.33254 | -0.31819 | 49.78819 | 44.10208 | 10.45135 | 31.75865 |
| 5/12/2025 | 8:00:00 PM | 33.65073 | 52.33572 | 18.68499 | 28.69501 | 36.65442 | 3.00369 | 45.33631 | 33.34344 | -0.30729 | 49.77729 | 44.10565 | 10.45492 | 31.75508 |
| 5/12/2025 | 9:00:00 PM | 33.64739 | 52.35002 | 18.70263 | 28.67737 | 36.65442 | 3.00703 | 45.33297 | 33.36161 | -0.28578 | 49.75578 | 44.11636 | 10.46897 | 31.74103 |
| 5/12/2025 | 10:00:00 PM | 33.64404 | 52.37505 | 18.73101 | 28.64899 | 36.65442 | 3.01038 | 45.32962 | 33.38342 | -0.26062 | 49.73062 | 44.13065 | 10.48661 | 31.72339 |
| 5/12/2025 | 11:00:00 PM | 33.64739 | 52.38936 | 18.74197 | 28.63803 | 36.66158 | 3.01419 | 45.32581 | 33.39432 | -0.25307 | 49.72307 | 44.14494 | 10.49755 | 31.71245 |
| 5/13/2025 | 12:00:00 AM | 33.63736 | 52.38936 | 18.752 | 28.628 | 36.66516 | 3.0278 | 45.3122 | 33.40522 | -0.23214 | 49.70214 | 44.15565 | 10.51829 | 31.69171 |
| 5/13/2025 | 1:00:00 AM | 33.64404 | 52.40724 | 18.7632 | 28.6168 | 36.66516 | 3.02112 | 45.31888 | 33.41613 | -0.22791 | 49.69791 | 44.17351 | 10.52947 | 31.68053 |
| 5/13/2025 | 2:00:00 AM | 33.65073 | 52.42154 | 18.77081 | 28.60919 | 36.67232 | 3.02159 | 45.31841 | 33.42703 | -0.2237 | 49.6937 | 44.18422 | 10.53349 | 31.67651 |
| 5/13/2025 | 3:00:00 AM | 33.65073 | 52.43585 | 18.78512 | 28.59488 | 36.6759 | 3.02517 | 45.31483 | 33.43793 | -0.2128 | 49.6828 | 44.19493 | 10.5442 | 31.6658 |
| 5/13/2025 | 4:00:00 AM | 33.65742 | 52.46446 | 18.80704 | 28.57296 | 36.68664 | 3.02922 | 45.31078 | 33.45974 | -0.19768 | 49.66768 | 44.21279 | 10.55537 | 31.65463 |
| 5/13/2025 | 5:00:00 AM | 33.66076 | 52.47518 | 18.81442 | 28.56558 | 36.69022 | 3.02946 | 45.31054 | 33.46701 | -0.19375 | 49.66375 | 44.25922 | 10.59846 | 31.61154 |
| 5/13/2025 | 6:00:00 AM | 33.67414 | 52.49664 | 18.8225 | 28.5575 | 36.69738 | 3.02324 | 45.31676 | 33.48881 | -0.18533 | 49.65533 | 44.25922 | 10.58508 | 31.62492 |
| 5/13/2025 | 7:00:00 AM | 33.68083 | 52.51095 | 18.83012 | 28.54988 | 36.70812 | 3.02729 | 45.31271 | 33.50335 | -0.17748 | 49.64748 | 44.26993 | 10.5891 | 31.6209 |
| 5/13/2025 | 8:00:00 AM | 33.68752 | 52.53598 | 18.84846 | 28.53154 | 36.7117 | 3.02418 | 45.31582 | 33.51425 | -0.17327 | 49.64327 | 44.2735 | 10.58598 | 31.62402 |
| 5/13/2025 | 9:00:00 AM | 33.70424 | 52.55028 | 18.84604 | 28.53396 | 36.72959 | 3.02535 | 45.31465 | 33.53242 | -0.17182 | 49.64182 | 44.28779 | 10.58355 | 31.62645 |
| 5/13/2025 | 10:00:00 AM | 33.71092 | 52.55743 | 18.84651 | 28.53349 | 36.73675 | 3.02583 | 45.31417 | 33.54696 | -0.16396 | 49.63396 | 44.29493 | 10.58401 | 31.62599 |
| 5/13/2025 | 11:00:00 AM | 33.71092 | 52.57174 | 18.86082 | 28.51918 | 36.74391 | 3.03299 | 45.30701 | 33.55422 | -0.1567 | 49.6267 | 44.31279 | 10.60187 | 31.60813 |
| 5/13/2025 | 12:00:00 PM | 33.71761 | 52.56459 | 18.84698 | 28.53302 | 36.75107 | 3.03346 | 45.30654 | 33.56513 | -0.15248 | 49.62248 | 44.32707 | 10.60946 | 31.60054 |
| 5/13/2025 | 1:00:00 PM | 33.72096 | 52.56459 | 18.84363 | 28.53637 | 36.75823 | 3.03727 | 45.30273 | 33.55786 | -0.1631 | 49.6331 | 44.31993 | 10.59897 | 31.61103 |
| 5/13/2025 | 2:00:00 PM | 33.73768 | 52.57174 | 18.83406 | 28.54594 | 36.77971 | 3.04203 | 45.29797 | 33.56513 | -0.17255 | 49.64255 | 44.32707 | 10.58939 | 31.62061 |
| 5/13/2025 | 3:00:00 PM | 33.75105 | 52.57174 | 18.82069 | 28.55931 | 36.76897 | 3.01792 | 45.32208 | 33.5724 | -0.17865 | 49.64865 | 44.33779 | 10.58674 | 31.62326 |
| 5/13/2025 | 4:00:00 PM | 33.75774 | 52.56816 | 18.81042 | 28.56958 | 36.79403 | 3.03629 | 45.30371 | 33.57603 | -0.18171 | 49.65171 | 44.34493 | 10.58719 | 31.62281 |
| 5/13/2025 | 5:00:00 PM | 33.74771 | 52.56816 | 18.82045 | 28.55955 | 36.79045 | 3.04274 | 45.29726 | 33.57966 | -0.16805 | 49.63805 | 44.3485 | 10.60079 | 31.60921 |
| 5/13/2025 | 6:00:00 PM | 33.74771 | 52.55386 | 18.80615 | 28.57385 | 36.80476 | 3.05705 | 45.28295 | 33.5724 | -0.17531 | 49.64531 | 44.34136 | 10.59365 | 31.61635 |
| 5/13/2025 | 7:00:00 PM | 33.74436 | 52.55028 | 18.80592 | 28.57408 | 36.80834 | 3.06398 | 45.27602 | 33.5724 | -0.17196 | 49.64196 | 44.34493 | 10.60057 | 31.60943 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/13/2025 | 8:00:00 PM | 33.74771 | 52.55743 | 18.80972 | 28.57028 | 36.80834 | 3.06063 | 45.27937 | 33.5724 | -0.17531 | 49.64531 | 44.3485 | 10.60079 | 31.60921 |
| 5/13/2025 | 9:00:00 PM | 33.74436 | 52.56816 | 18.8238 | 28.5562 | 36.81908 | 3.07472 | 45.26528 | 33.5833 | -0.16106 | 49.63106 | 44.35564 | 10.61128 | 31.59872 |
| 5/13/2025 | 10:00:00 PM | 33.74102 | 52.57889 | 18.83787 | 28.54213 | 36.82266 | 3.08164 | 45.25836 | 33.5833 | -0.15772 | 49.62772 | 44.35921 | 10.61819 | 31.59181 |
| 5/13/2025 | 11:00:00 PM | 33.74102 | 52.57889 | 18.83787 | 28.54213 | 36.82982 | 3.0888 | 45.2512 | 33.58693 | -0.15409 | 49.62409 | 44.35921 | 10.61819 | 31.59181 |
| 5/14/2025 | 12:00:00 AM | 33.73768 | 52.57889 | 18.84121 | 28.53879 | 36.8334 | 3.09572 | 45.24428 | 33.58693 | -0.15075 | 49.62075 | 44.36636 | 10.62868 | 31.58132 |
| 5/14/2025 | 1:00:00 AM | 33.73768 | 52.59677 | 18.85909 | 28.52091 | 36.84056 | 3.10288 | 45.23712 | 33.59057 | -0.14711 | 49.61711 | 44.36636 | 10.62868 | 31.58132 |
| 5/14/2025 | 2:00:00 AM | 33.73768 | 52.59319 | 18.85551 | 28.52449 | 36.84414 | 3.10646 | 45.23354 | 33.5942 | -0.14348 | 49.61348 | 44.36636 | 10.62868 | 31.58132 |
| 5/14/2025 | 3:00:00 AM | 33.73433 | 52.60035 | 18.86602 | 28.51398 | 36.84414 | 3.10981 | 45.23019 | 33.60147 | -0.13286 | 49.60286 | 44.3735 | 10.63917 | 31.57083 |
| 5/14/2025 | 4:00:00 AM | 33.74102 | 52.61108 | 18.87006 | 28.50994 | 36.84772 | 3.1067 | 45.2333 | 33.6051 | -0.13592 | 49.60592 | 44.38064 | 10.63962 | 31.57038 |
| 5/14/2025 | 5:00:00 AM | 33.73099 | 52.61465 | 18.88366 | 28.49634 | 36.85488 | 3.12389 | 45.21611 | 33.6051 | -0.12589 | 49.59589 | 44.38064 | 10.64965 | 31.56035 |
| 5/14/2025 | 6:00:00 AM | 33.73768 | 52.63968 | 18.902 | 28.478 | 36.85846 | 3.12078 | 45.21922 | 33.61237 | -0.12531 | 49.59531 | 44.38778 | 10.6501 | 31.5599 |
| 5/14/2025 | 7:00:00 AM | 33.74102 | 52.65041 | 18.90939 | 28.47061 | 36.86562 | 3.1246 | 45.2154 | 33.62327 | -0.11775 | 49.58775 | 44.39136 | 10.65034 | 31.55966 |
| 5/14/2025 | 8:00:00 AM | 33.74436 | 52.65041 | 18.90605 | 28.47395 | 36.8692 | 3.12484 | 45.21516 | 33.63054 | -0.11382 | 49.58382 | 44.39493 | 10.65057 | 31.55943 |
| 5/14/2025 | 9:00:00 AM | 33.73433 | 52.64326 | 18.90893 | 28.47107 | 36.87636 | 3.14203 | 45.19797 | 33.63054 | -0.10379 | 49.57379 | 44.3985 | 10.66417 | 31.54583 |
| 5/14/2025 | 10:00:00 AM | 33.74102 | 52.65756 | 18.91654 | 28.46346 | 36.87636 | 3.13534 | 45.20466 | 33.64144 | -0.09958 | 49.56958 | 44.40564 | 10.66462 | 31.54538 |
| 5/14/2025 | 11:00:00 AM | 33.75105 | 52.66472 | 18.91367 | 28.46633 | 36.88351 | 3.13246 | 45.20754 | 33.64508 | -0.10597 | 49.57597 | 44.41278 | 10.66173 | 31.54827 |
| 5/14/2025 | 12:00:00 PM | 33.75105 | 52.67544 | 18.92439 | 28.45561 | 36.88709 | 3.13604 | 45.20396 | 33.64871 | -0.10234 | 49.57234 | 44.41635 | 10.6653 | 31.5447 |
| 5/14/2025 | 1:00:00 PM | 33.76108 | 52.6826 | 18.92152 | 28.45848 | 36.89425 | 3.13317 | 45.20683 | 33.65598 | -0.1051 | 49.5751 | 44.4235 | 10.66242 | 31.54758 |
| 5/14/2025 | 2:00:00 PM | 33.77112 | 52.68617 | 18.91505 | 28.46495 | 36.90499 | 3.13387 | 45.20613 | 33.66325 | -0.10787 | 49.57787 | 44.43064 | 10.65952 | 31.55048 |
| 5/14/2025 | 3:00:00 PM | 33.78784 | 52.68975 | 18.90191 | 28.47809 | 36.91215 | 3.12431 | 45.21569 | 33.66688 | -0.12096 | 49.59096 | 44.43421 | 10.64637 | 31.56363 |
| 5/14/2025 | 4:00:00 PM | 33.78784 | 52.68975 | 18.90191 | 28.47809 | 36.91573 | 3.12789 | 45.21211 | 33.66688 | -0.12096 | 49.59096 | 44.43421 | 10.64637 | 31.56363 |
| 5/14/2025 | 5:00:00 PM | 33.78449 | 52.70048 | 18.91599 | 28.46401 | 36.92289 | 3.1384 | 45.2016 | 33.67052 | -0.11397 | 49.58397 | 44.44135 | 10.65686 | 31.55314 |
| 5/14/2025 | 6:00:00 PM | 33.78115 | 52.70048 | 18.91933 | 28.46067 | 36.92289 | 3.14174 | 45.19826 | 33.67415 | -0.107 | 49.577 | 44.44135 | 10.6602 | 31.5498 |
| 5/14/2025 | 7:00:00 PM | 33.76777 | 52.67187 | 18.9041 | 28.4759 | 36.92647 | 3.1587 | 45.1813 | 33.67052 | -0.09725 | 49.56725 | 44.44493 | 10.67716 | 31.53284 |
| 5/14/2025 | 8:00:00 PM | 33.77112 | 52.68617 | 18.91505 | 28.46495 | 36.92289 | 3.15177 | 45.18823 | 33.67052 | -0.1006 | 49.5706 | 44.43778 | 10.66666 | 31.54334 |
| 5/14/2025 | 9:00:00 PM | 33.77112 | 52.69332 | 18.9222 | 28.4578 | 36.93721 | 3.16609 | 45.17391 | 33.68142 | -0.0897 | 49.5597 | 44.44135 | 10.67023 | 31.53977 |
| 5/14/2025 | 10:00:00 PM | 33.76108 | 52.6969 | 18.93582 | 28.44418 | 36.93363 | 3.17255 | 45.16745 | 33.68142 | -0.07966 | 49.54966 | 44.4485 | 10.68742 | 31.52258 |
| 5/14/2025 | 11:00:00 PM | 33.76108 | 52.70048 | 18.9394 | 28.4406 | 36.94795 | 3.18687 | 45.15313 | 33.68869 | -0.07239 | 49.54239 | 44.45564 | 10.69456 | 31.51544 |
| 5/15/2025 | 12:00:00 AM | 33.7544 | 52.70048 | 18.94608 | 28.43392 | 36.94437 | 3.18997 | 45.15003 | 33.69232 | -0.06208 | 49.53208 | 44.45921 | 10.70481 | 31.50519 |
| 5/15/2025 | 1:00:00 AM | 33.74771 | 52.71121 | 18.9635 | 28.4165 | 36.94795 | 3.20024 | 45.13976 | 33.69596 | -0.05175 | 49.52175 | 44.46278 | 10.71507 | 31.49493 |
| 5/15/2025 | 2:00:00 AM | 33.75105 | 52.70048 | 18.94943 | 28.43057 | 36.9551 | 3.20405 | 45.13595 | 33.69959 | -0.05146 | 49.52146 | 44.46635 | 10.7153 | 31.4947 |
| 5/15/2025 | 3:00:00 AM | 33.75105 | 52.70763 | 18.95658 | 28.42342 | 36.95868 | 3.20763 | 45.13237 | 33.70323 | -0.04782 | 49.51782 | 44.46992 | 10.71887 | 31.49113 |
| 5/15/2025 | 4:00:00 AM | 33.74436 | 52.71121 | 18.96685 | 28.41315 | 36.96226 | 3.2179 | 45.1221 | 33.71049 | -0.03387 | 49.50387 | 44.4735 | 10.72914 | 31.48086 |
| 5/15/2025 | 5:00:00 AM | 33.74771 | 52.71478 | 18.96707 | 28.41293 | 36.96226 | 3.21455 | 45.12545 | 33.71413 | -0.03358 | 49.50358 | 44.47707 | 10.72936 | 31.48064 |
| 5/15/2025 | 6:00:00 AM | 33.74102 | 52.70763 | 18.96661 | 28.41339 | 36.96584 | 3.22482 | 45.11518 | 33.71049 | -0.03053 | 49.50053 | 44.47707 | 10.73605 | 31.47395 |
| 5/15/2025 | 7:00:00 AM | 33.74771 | 52.71121 | 18.9635 | 28.4165 | 36.973 | 3.22529 | 45.11471 | 33.71049 | -0.03722 | 49.50722 | 44.48064 | 10.73293 | 31.47707 |
| 5/15/2025 | 8:00:00 AM | 33.74771 | 52.71836 | 18.97065 | 28.40935 | 36.98016 | 3.23245 | 45.10755 | 33.69959 | -0.04812 | 49.51812 | 44.48064 | 10.73293 | 31.47707 |
| 5/15/2025 | 9:00:00 AM | 33.75105 | 52.72551 | 18.97446 | 28.40554 | 36.97658 | 3.22553 | 45.11447 | 33.69959 | -0.05146 | 49.52146 | 44.47707 | 10.72602 | 31.48398 |
| 5/15/2025 | 10:00:00 AM | 33.74436 | 52.71836 | 18.974 | 28.406 | 36.98016 | 3.2358 | 45.1042 | 33.69596 | -0.0484 | 49.5184 | 44.4735 | 10.72914 | 31.48086 |
| 5/15/2025 | 11:00:00 AM | 33.75774 | 52.71121 | 18.95347 | 28.42653 | 36.97658 | 3.21884 | 45.12116 | 33.68869 | -0.06905 | 49.53905 | 44.47707 | 10.71933 | 31.49067 |
| 5/15/2025 | 12:00:00 PM | 33.76443 | 52.70405 | 18.93962 | 28.44038 | 36.98374 | 3.21931 | 45.12069 | 33.68505 | -0.07938 | 49.54938 | 44.46635 | 10.70192 | 31.50808 |
| 5/15/2025 | 1:00:00 PM | 33.76443 | 52.70048 | 18.93605 | 28.44395 | 36.98374 | 3.21931 | 45.12069 | 33.68869 | -0.07574 | 49.54574 | 44.46635 | 10.70192 | 31.50808 |
| 5/15/2025 | 2:00:00 PM | 33.76443 | 52.70405 | 18.93962 | 28.44038 | 36.9909 | 3.22647 | 45.11353 | 33.69232 | -0.07211 | 49.54211 | 44.46635 | 10.70192 | 31.50808 |
| 5/15/2025 | 3:00:00 PM | 33.77446 | 52.70763 | 18.93317 | 28.44683 | 36.98732 | 3.21286 | 45.12714 | 33.68869 | -0.08577 | 49.55577 | 44.46278 | 10.68832 | 31.52168 |
| 5/15/2025 | 4:00:00 PM | 33.77112 | 52.71121 | 18.94009 | 28.43991 | 36.98732 | 3.2162 | 45.1238 | 33.68869 | -0.08243 | 49.55243 | 44.45921 | 10.68809 | 31.52191 |
| 5/15/2025 | 5:00:00 PM | 33.77112 | 52.70405 | 18.93293 | 28.44707 | 36.98732 | 3.2162 | 45.1238 | 33.68142 | -0.0897 | 49.5597 | 44.45564 | 10.68452 | 31.52548 |
| 5/15/2025 | 6:00:00 PM | 33.76443 | 52.6969 | 18.93247 | 28.44753 | 36.9909 | 3.22647 | 45.11353 | 33.68142 | -0.08301 | 49.55301 | 44.45564 | 10.69121 | 31.51879 |
| 5/15/2025 | 7:00:00 PM | 33.76443 | 52.69332 | 18.92889 | 28.45111 | 36.9909 | 3.22647 | 45.11353 | 33.67415 | -0.09028 | 49.56028 | 44.44493 | 10.6805 | 31.5295 |
| 5/15/2025 | 8:00:00 PM | 33.7544 | 52.68975 | 18.93535 | 28.44465 | 36.98732 | 3.23292 | 45.10708 | 33.67415 | -0.08025 | 49.55025 | 44.4485 | 10.6941 | 31.5159 |
| 5/15/2025 | 9:00:00 PM | 33.75105 | 52.70405 | 18.953 | 28.427 | 36.99448 | 3.24343 | 45.09657 | 33.67052 | -0.08053 | 49.55053 | 44.44493 | 10.69388 | 31.51612 |
| 5/15/2025 | 10:00:00 PM | 33.71761 | 52.6218 | 18.90419 | 28.47581 | 36.9909 | 3.27329 | 45.06671 | 33.67052 | -0.04709 | 49.51709 | 44.45207 | 10.73446 | 31.47554 |
| 5/15/2025 | 11:00:00 PM | 33.71092 | 52.6218 | 18.91088 | 28.46912 | 36.98732 | 3.2764 | 45.0636 | 33.65962 | -0.0513 | 49.5213 | 44.44493 | 10.73401 | 31.47599 |
| 5/16/2025 | 12:00:00 AM | 33.70758 | 52.62538 | 18.9178 | 28.4622 | 36.98732 | 3.27974 | 45.06026 | 33.66688 | -0.0407 | 49.5107 | 44.44135 | 10.73377 | 31.47623 |
| 5/16/2025 | 1:00:00 AM | 33.70758 | 52.61823 | 18.91065 | 28.46935 | 36.98374 | 3.27616 | 45.06384 | 33.66688 | -0.0407 | 49.5107 | 44.43778 | 10.7302 | 31.4798 |
| 5/16/2025 | 2:00:00 AM | 33.70424 | 52.6218 | 18.91756 | 28.46244 | 36.9909 | 3.28666 | 45.05334 | 33.65962 | -0.04462 | 49.51462 | 44.43421 | 10.72997 | 31.48003 |
| 5/16/2025 | 3:00:00 AM | 33.69755 | 52.61823 | 18.92068 | 28.45932 | 36.98016 | 3.28261 | 45.05739 | 33.65235 | -0.0452 | 49.5152 | 44.43064 | 10.73309 | 31.47691 |
| 5/16/2025 | 4:00:00 AM | 33.70089 | 52.61823 | 18.91734 | 28.46266 | 36.98374 | 3.28285 | 45.05715 | 33.64508 | -0.05581 | 49.52581 | 44.4235 | 10.72261 | 31.48739 |
| 5/16/2025 | 5:00:00 AM | 33.6942 | 52.6218 | 18.9276 | 28.4524 | 36.9909 | 3.2967 | 45.0433 | 33.64871 | -0.04549 | 49.51549 | 44.42707 | 10.73287 | 31.47713 |
| 5/16/2025 | 6:00:00 AM | 33.6942 | 52.6218 | 18.9276 | 28.4524 | 36.98016 | 3.28596 | 45.05404 | 33.64144 | -0.05276 | 49.52276 | 44.41993 | 10.72573 | 31.48427 |
| 5/16/2025 | 7:00:00 AM | 33.6942 | 52.61823 | 18.92403 | 28.45597 | 36.98732 | 3.29312 | 45.04688 | 33.64144 | -0.05276 | 49.52276 | 44.41278 | 10.71858 | 31.49142 |
| 5/16/2025 | 8:00:00 AM | 33.69755 | 52.63253 | 18.93498 | 28.44502 | 36.973 | 3.27545 | 45.06455 | 33.64508 | -0.05247 | 49.52247 | 44.41278 | 10.71523 | 31.49477 |
| 5/16/2025 | 9:00:00 AM | 33.70424 | 52.62896 | 18.92472 | 28.45528 | 36.973 | 3.26876 | 45.07124 | 33.63781 | -0.06643 | 49.53643 | 44.41635 | 10.71211 | 31.49789 |
| 5/16/2025 | 10:00:00 AM | 33.71092 | 52.62896 | 18.91804 | 28.46196 | 36.96584 | 3.25492 | 45.08508 | 33.63781 | -0.07311 | 49.54311 | 44.41635 | 10.70543 | 31.50457 |
| 5/16/2025 | 11:00:00 AM | 33.70758 | 52.63253 | 18.92495 | 28.45505 | 36.96942 | 3.26184 | 45.07816 | 33.62691 | -0.08067 | 49.55067 | 44.40921 | 10.70163 | 31.50837 |
| 5/16/2025 | 12:00:00 PM | 33.71092 | 52.6218 | 18.91088 | 28.46912 | 36.973 | 3.26208 | 45.07792 | 33.62691 | -0.08401 | 49.55401 | 44.40564 | 10.69472 | 31.51528 |
| 5/16/2025 | 1:00:00 PM | 33.71427 | 52.61108 | 18.89681 | 28.48319 | 36.96226 | 3.24799 | 45.09201 | 33.62327 | -0.091 | 49.561 | 44.3985 | 10.68423 | 31.52577 |
| 5/16/2025 | 2:00:00 PM | 33.71427 | 52.6075 | 18.89323 | 28.48677 | 36.96584 | 3.25157 | 45.08843 | 33.61601 | -0.09826 | 49.56826 | 44.39493 | 10.68066 | 31.52934 |
| 5/16/2025 | 3:00:00 PM | 33.71092 | 52.58962 | 18.8787 | 28.5013 | 36.96584 | 3.25492 | 45.08508 | 33.60147 | -0.10945 | 49.57945 | 44.38064 | 10.66972 | 31.54028 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/16/2025 | 4:00:00 PM | 33.70424 | 52.57174 | 18.8675 | 28.5125 | 36.9551 | 3.25086 | 45.08914 | 33.59057 | -0.11367 | 49.58367 | 44.36993 | 10.66569 | 31.54431 |
| 5/16/2025 | 5:00:00 PM | 33.69086 | 52.54671 | 18.85585 | 28.52415 | 36.95153 | 3.26067 | 45.07933 | 33.56513 | -0.12573 | 49.59573 | 44.35564 | 10.66478 | 31.54522 |
| 5/16/2025 | 6:00:00 PM | 33.67414 | 52.52883 | 18.85469 | 28.52531 | 36.94437 | 3.27023 | 45.06977 | 33.54696 | -0.12718 | 49.59718 | 44.33779 | 10.66365 | 31.54635 |
| 5/16/2025 | 7:00:00 PM | 33.65073 | 52.49664 | 18.84591 | 28.53409 | 36.93721 | 3.28648 | 45.05352 | 33.52879 | -0.12194 | 49.59194 | 44.31993 | 10.6692 | 31.5408 |
| 5/16/2025 | 8:00:00 PM | 33.63067 | 52.49307 | 18.8624 | 28.5176 | 36.93363 | 3.30296 | 45.03704 | 33.51061 | -0.12006 | 49.59006 | 44.30564 | 10.67497 | 31.53503 |
| 5/16/2025 | 9:00:00 PM | 33.62064 | 52.48591 | 18.86527 | 28.51473 | 36.92289 | 3.30225 | 45.03775 | 33.49971 | -0.12093 | 49.59093 | 44.29493 | 10.67429 | 31.53571 |
| 5/16/2025 | 10:00:00 PM | 33.62398 | 52.48591 | 18.86193 | 28.51807 | 36.91573 | 3.29175 | 45.04825 | 33.49608 | -0.1279 | 49.5979 | 44.28779 | 10.66381 | 31.54619 |
| 5/16/2025 | 11:00:00 PM | 33.60392 | 52.46803 | 18.86411 | 28.51589 | 36.90141 | 3.29749 | 45.04251 | 33.47791 | -0.12601 | 49.59601 | 44.2735 | 10.66958 | 31.54042 |
| 5/17/2025 | 12:00:00 AM | 33.59054 | 52.46088 | 18.87034 | 28.50966 | 36.89067 | 3.30013 | 45.03987 | 33.46701 | -0.12353 | 49.59353 | 44.25565 | 10.66511 | 31.54489 |
| 5/17/2025 | 1:00:00 AM | 33.59054 | 52.46446 | 18.87392 | 28.50608 | 36.89067 | 3.30013 | 45.03987 | 33.45247 | -0.13807 | 49.60807 | 44.25207 | 10.66153 | 31.54847 |
| 5/17/2025 | 2:00:00 AM | 33.59054 | 52.44658 | 18.85604 | 28.52396 | 36.87278 | 3.28224 | 45.05776 | 33.4452 | -0.14534 | 49.61534 | 44.23065 | 10.64011 | 31.56989 |
| 5/17/2025 | 3:00:00 AM | 33.57716 | 52.44658 | 18.86942 | 28.51058 | 36.86562 | 3.28846 | 45.05154 | 33.4343 | -0.14286 | 49.61286 | 44.21993 | 10.64277 | 31.56723 |
| 5/17/2025 | 4:00:00 AM | 33.57048 | 52.43942 | 18.86894 | 28.51106 | 36.85846 | 3.28798 | 45.05202 | 33.42703 | -0.14345 | 49.61345 | 44.21279 | 10.64231 | 31.56769 |
| 5/17/2025 | 5:00:00 AM | 33.57048 | 52.43942 | 18.86894 | 28.51106 | 36.84772 | 3.27724 | 45.06276 | 33.41976 | -0.15072 | 49.62072 | 44.20565 | 10.63517 | 31.57483 |
| 5/17/2025 | 6:00:00 AM | 33.56713 | 52.43942 | 18.87229 | 28.50771 | 36.83698 | 3.26985 | 45.07015 | 33.41249 | -0.15464 | 49.62464 | 44.1985 | 10.63137 | 31.57863 |
| 5/17/2025 | 7:00:00 AM | 33.56713 | 52.45015 | 18.88302 | 28.49698 | 36.82982 | 3.26269 | 45.07731 | 33.40886 | -0.15827 | 49.62827 | 44.19136 | 10.62423 | 31.58577 |
| 5/17/2025 | 8:00:00 AM | 33.57048 | 52.45373 | 18.88325 | 28.49675 | 36.82266 | 3.25218 | 45.08782 | 33.40886 | -0.16162 | 49.63162 | 44.18422 | 10.61374 | 31.59626 |
| 5/17/2025 | 9:00:00 AM | 33.5872 | 52.47876 | 18.89156 | 28.48844 | 36.81908 | 3.23188 | 45.10812 | 33.40522 | -0.18198 | 49.65198 | 44.18779 | 10.60059 | 31.60941 |
| 5/17/2025 | 10:00:00 AM | 33.59054 | 52.48949 | 18.89895 | 28.48105 | 36.80834 | 3.2178 | 45.1222 | 33.41613 | -0.17441 | 49.64441 | 44.18422 | 10.59368 | 31.61632 |
| 5/17/2025 | 11:00:00 AM | 33.59723 | 52.51452 | 18.91729 | 28.46271 | 36.80118 | 3.20395 | 45.13605 | 33.4234 | -0.17383 | 49.64383 | 44.18779 | 10.59056 | 31.61944 |
| 5/17/2025 | 12:00:00 PM | 33.59723 | 52.50737 | 18.91014 | 28.46986 | 36.79403 | 3.1968 | 45.1432 | 33.4234 | -0.17383 | 49.64383 | 44.18422 | 10.58699 | 31.62301 |
| 5/17/2025 | 1:00:00 PM | 33.60726 | 52.52167 | 18.91441 | 28.46559 | 36.79045 | 3.18319 | 45.15681 | 33.4343 | -0.17296 | 49.64296 | 44.19493 | 10.58767 | 31.62233 |
| 5/17/2025 | 2:00:00 PM | 33.6106 | 52.53598 | 18.92538 | 28.45462 | 36.78687 | 3.17627 | 45.16373 | 33.45247 | -0.15813 | 49.62813 | 44.20208 | 10.59148 | 31.61852 |
| 5/17/2025 | 3:00:00 PM | 33.62732 | 52.54671 | 18.91939 | 28.46061 | 36.78329 | 3.15597 | 45.18403 | 33.45974 | -0.16758 | 49.63758 | 44.20922 | 10.5819 | 31.6281 |
| 5/17/2025 | 4:00:00 PM | 33.63067 | 52.56816 | 18.93749 | 28.44251 | 36.79045 | 3.15978 | 45.18022 | 33.46337 | -0.1673 | 49.6373 | 44.21636 | 10.58569 | 31.62431 |
| 5/17/2025 | 5:00:00 PM | 33.63736 | 52.56816 | 18.9308 | 28.4492 | 36.79045 | 3.15309 | 45.18691 | 33.47427 | -0.16309 | 49.63309 | 44.23065 | 10.59329 | 31.61671 |
| 5/17/2025 | 6:00:00 PM | 33.63067 | 52.58604 | 18.95537 | 28.42463 | 36.78687 | 3.1562 | 45.1838 | 33.47427 | -0.1564 | 49.6264 | 44.23065 | 10.59998 | 31.61002 |
| 5/17/2025 | 7:00:00 PM | 33.63736 | 52.59319 | 18.95583 | 28.42417 | 36.78329 | 3.14593 | 45.19407 | 33.48154 | -0.15582 | 49.62582 | 44.23779 | 10.60043 | 31.60957 |
| 5/17/2025 | 8:00:00 PM | 33.62732 | 52.59677 | 18.96945 | 28.41055 | 36.79045 | 3.16313 | 45.17687 | 33.49244 | -0.13488 | 49.60488 | 44.24493 | 10.61761 | 31.59239 |
| 5/17/2025 | 9:00:00 PM | 33.6407 | 52.62538 | 18.98468 | 28.39532 | 36.79403 | 3.15333 | 45.18667 | 33.49971 | -0.14099 | 49.61099 | 44.25565 | 10.61495 | 31.59505 |
| 5/17/2025 | 10:00:00 PM | 33.63736 | 52.64684 | 19.00948 | 28.37052 | 36.79403 | 3.15667 | 45.18333 | 33.51425 | -0.12311 | 49.59311 | 44.2735 | 10.63614 | 31.57386 |
| 5/17/2025 | 11:00:00 PM | 33.6407 | 52.65756 | 19.01686 | 28.36314 | 36.79761 | 3.15691 | 45.18309 | 33.52879 | -0.11191 | 49.58191 | 44.27707 | 10.63637 | 31.57363 |
| 5/18/2025 | 12:00:00 AM | 33.6407 | 52.67187 | 19.03117 | 28.34883 | 36.79761 | 3.15691 | 45.18309 | 33.53969 | -0.10101 | 49.57101 | 44.29136 | 10.65066 | 31.55934 |
| 5/18/2025 | 1:00:00 AM | 33.6407 | 52.67187 | 19.03117 | 28.34883 | 36.80834 | 3.16764 | 45.17236 | 33.54696 | -0.09374 | 49.56374 | 44.29493 | 10.65423 | 31.55577 |
| 5/18/2025 | 2:00:00 AM | 33.64404 | 52.6826 | 19.03856 | 28.34144 | 36.80834 | 3.1643 | 45.1757 | 33.54696 | -0.09708 | 49.56708 | 44.30207 | 10.65803 | 31.55197 |
| 5/18/2025 | 3:00:00 AM | 33.6407 | 52.68617 | 19.04547 | 28.33453 | 36.8155 | 3.1748 | 45.1652 | 33.56513 | -0.07557 | 49.54557 | 44.31636 | 10.67566 | 31.53434 |
| 5/18/2025 | 4:00:00 AM | 33.60726 | 52.6218 | 19.01454 | 28.36546 | 36.8155 | 3.20824 | 45.13176 | 33.5724 | -0.03486 | 49.50486 | 44.31993 | 10.71267 | 31.49733 |
| 5/18/2025 | 5:00:00 AM | 33.60392 | 52.6218 | 19.01788 | 28.36212 | 36.8155 | 3.21158 | 45.12842 | 33.57966 | -0.02426 | 49.49426 | 44.33064 | 10.72672 | 31.48328 |
| 5/18/2025 | 6:00:00 AM | 33.60392 | 52.6218 | 19.01788 | 28.36212 | 36.82982 | 3.2259 | 45.1141 | 33.59057 | -0.01335 | 49.48335 | 44.34136 | 10.73744 | 31.47256 |
| 5/18/2025 | 7:00:00 AM | 33.61729 | 52.64684 | 19.02955 | 28.35045 | 36.8334 | 3.21611 | 45.12389 | 33.59783 | -0.01946 | 49.48946 | 44.3485 | 10.73121 | 31.47879 |
| 5/18/2025 | 8:00:00 AM | 33.62732 | 52.66829 | 19.04097 | 28.33903 | 36.84056 | 3.21324 | 45.12676 | 33.6051 | -0.02222 | 49.49222 | 44.35564 | 10.72832 | 31.48168 |
| 5/18/2025 | 9:00:00 AM | 33.63736 | 52.68975 | 19.05239 | 28.32761 | 36.84414 | 3.20678 | 45.13322 | 33.62327 | -0.01409 | 49.48409 | 44.36279 | 10.72543 | 31.48457 |
| 5/18/2025 | 10:00:00 AM | 33.65742 | 52.70405 | 19.04663 | 28.33337 | 36.84772 | 3.1903 | 45.1497 | 33.62691 | -0.03051 | 49.50051 | 44.38064 | 10.72322 | 31.48678 |
| 5/18/2025 | 11:00:00 AM | 33.66745 | 52.72551 | 19.05806 | 28.32194 | 36.85846 | 3.19101 | 45.14899 | 33.64508 | -0.02237 | 49.49237 | 44.38778 | 10.72033 | 31.48967 |
| 5/18/2025 | 12:00:00 PM | 33.67748 | 52.73624 | 19.05876 | 28.32124 | 36.86204 | 3.18456 | 45.15544 | 33.65962 | -0.01786 | 49.48786 | 44.40564 | 10.72816 | 31.48184 |
| 5/18/2025 | 1:00:00 PM | 33.68417 | 52.74339 | 19.05922 | 28.32078 | 36.8692 | 3.18503 | 45.15497 | 33.66688 | -0.01729 | 49.48729 | 44.40921 | 10.72504 | 31.48496 |
| 5/18/2025 | 2:00:00 PM | 33.71092 | 52.76842 | 19.0575 | 28.3225 | 36.87993 | 3.16901 | 45.17099 | 33.66688 | -0.04404 | 49.51404 | 44.41635 | 10.70543 | 31.50457 |
| 5/18/2025 | 3:00:00 PM | 33.73768 | 52.78988 | 19.0522 | 28.3278 | 36.88351 | 3.14583 | 45.19417 | 33.67415 | -0.06353 | 49.53353 | 44.43421 | 10.69653 | 31.51347 |
| 5/18/2025 | 4:00:00 PM | 33.74102 | 52.78988 | 19.04886 | 28.33114 | 36.89067 | 3.14965 | 45.19035 | 33.67779 | -0.06323 | 49.53323 | 44.44135 | 10.70033 | 31.50967 |
| 5/18/2025 | 5:00:00 PM | 33.74102 | 52.78988 | 19.04886 | 28.33114 | 36.89783 | 3.15681 | 45.18319 | 33.67779 | -0.06323 | 49.53323 | 44.43421 | 10.69319 | 31.51681 |
| 5/18/2025 | 6:00:00 PM | 33.74102 | 52.79345 | 19.05243 | 28.32757 | 36.90857 | 3.16755 | 45.17245 | 33.67779 | -0.06323 | 49.53323 | 44.43778 | 10.69676 | 31.51324 |
| 5/18/2025 | 7:00:00 PM | 33.73768 | 52.78273 | 19.04505 | 28.33495 | 36.90857 | 3.17089 | 45.16911 | 33.67415 | -0.06353 | 49.53353 | 44.43778 | 10.7001 | 31.5099 |
| 5/18/2025 | 8:00:00 PM | 33.69755 | 52.71478 | 19.01723 | 28.36277 | 36.91215 | 3.2146 | 45.1254 | 33.67052 | -0.02703 | 49.49703 | 44.43064 | 10.73309 | 31.47691 |
| 5/18/2025 | 9:00:00 PM | 33.6942 | 52.70763 | 19.01343 | 28.36657 | 36.91931 | 3.22511 | 45.11489 | 33.67415 | -0.02005 | 49.49005 | 44.43778 | 10.74358 | 31.46642 |
| 5/18/2025 | 10:00:00 PM | 33.68417 | 52.70763 | 19.02346 | 28.35654 | 36.92289 | 3.23872 | 45.10128 | 33.66688 | -0.01729 | 49.48729 | 44.44135 | 10.75718 | 31.45282 |
| 5/18/2025 | 11:00:00 PM | 33.66411 | 52.6969 | 19.03279 | 28.34721 | 36.92647 | 3.26236 | 45.07764 | 33.65962 | -0.00449 | 49.47449 | 44.43421 | 10.7701 | 31.4399 |
| 5/19/2025 | 12:00:00 AM | 33.65742 | 52.68975 | 19.03233 | 28.34767 | 36.93005 | 3.27263 | 45.06737 | 33.64508 | -0.01234 | 49.48234 | 44.42707 | 10.76965 | 31.44035 |
| 5/19/2025 | 1:00:00 AM | 33.6407 | 52.67544 | 19.03474 | 28.34526 | 36.93363 | 3.29293 | 45.04707 | 33.63781 | -0.00289 | 49.47289 | 44.41635 | 10.77565 | 31.43435 |
| 5/19/2025 | 2:00:00 AM | 33.64404 | 52.66472 | 19.02068 | 28.35932 | 36.92647 | 3.28243 | 45.05757 | 33.62327 | -0.02077 | 49.49077 | 44.40564 | 10.7616 | 31.4484 |
| 5/19/2025 | 3:00:00 AM | 33.62732 | 52.63253 | 19.00521 | 28.37479 | 36.93363 | 3.30631 | 45.03369 | 33.59783 | -0.02949 | 49.49949 | 44.39136 | 10.76404 | 31.44596 |
| 5/19/2025 | 4:00:00 AM | 33.61729 | 52.60392 | 18.98663 | 28.39337 | 36.93005 | 3.31276 | 45.02724 | 33.5724 | -0.04489 | 49.51489 | 44.36636 | 10.74907 | 31.46093 |
| 5/19/2025 | 5:00:00 AM | 33.60057 | 52.58604 | 18.98547 | 28.39453 | 36.93005 | 3.32948 | 45.01052 | 33.55422 | -0.04635 | 49.51635 | 44.35207 | 10.7515 | 31.4585 |
| 5/19/2025 | 6:00:00 AM | 33.60057 | 52.60035 | 18.99978 | 28.38022 | 36.91573 | 3.31516 | 45.02484 | 33.54332 | -0.05725 | 49.52725 | 44.34136 | 10.74079 | 31.46921 |
| 5/19/2025 | 7:00:00 AM | 33.60726 | 52.61465 | 19.00739 | 28.37261 | 36.91573 | 3.30847 | 45.03153 | 33.54332 | -0.06394 | 49.53394 | 44.32707 | 10.71981 | 31.49019 |
| 5/19/2025 | 8:00:00 AM | 33.60726 | 52.59677 | 18.98951 | 28.39049 | 36.90857 | 3.30131 | 45.03869 | 33.52152 | -0.08574 | 49.55574 | 44.31993 | 10.71267 | 31.49733 |
| 5/19/2025 | 9:00:00 AM | 33.60726 | 52.60392 | 18.99666 | 28.38334 | 36.90141 | 3.29415 | 45.04585 | 33.51425 | -0.09301 | 49.56301 | 44.30564 | 10.69838 | 31.51162 |
| 5/19/2025 | 10:00:00 AM | 33.61395 | 52.6075 | 18.99355 | 28.38645 | 36.88709 | 3.27314 | 45.06686 | 33.52152 | -0.09243 | 49.56243 | 44.30207 | 10.68812 | 31.52188 |
| 5/19/2025 | 11:00:00 AM | 33.62732 | 52.63611 | 19.00879 | 28.37121 | 36.88709 | 3.25977 | 45.08023 | 33.52515 | -0.10217 | 49.57217 | 44.2985 | 10.67118 | 31.53882 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/19/2025 | 12:00:00 PM | 33.5872 | 52.53598 | 18.94878 | 28.43122 | 36.88351 | 3.29631 | 45.04369 | 33.54332 | -0.04388 | 49.51388 | 44.30564 | 10.71844 | 31.49156 |
| 5/19/2025 | 1:00:00 PM | 33.59388 | 52.52525 | 18.93137 | 28.44863 | 36.87993 | 3.28605 | 45.05395 | 33.54696 | -0.04692 | 49.51692 | 44.30922 | 10.71534 | 31.49466 |
| 5/19/2025 | 2:00:00 PM | 33.60726 | 52.53598 | 18.92872 | 28.45128 | 36.87636 | 3.2691 | 45.0709 | 33.54332 | -0.06394 | 49.53394 | 44.30922 | 10.70196 | 31.50804 |
| 5/19/2025 | 3:00:00 PM | 33.6106 | 52.54313 | 18.93253 | 28.44747 | 36.87636 | 3.26576 | 45.07424 | 33.55786 | -0.05274 | 49.52274 | 44.30922 | 10.69862 | 31.51138 |
| 5/19/2025 | 4:00:00 PM | 33.62064 | 52.53598 | 18.91534 | 28.46466 | 36.87636 | 3.25572 | 45.08428 | 33.56149 | -0.05915 | 49.52915 | 44.31993 | 10.69929 | 31.51071 |
| 5/19/2025 | 5:00:00 PM | 33.61395 | 52.53955 | 18.9256 | 28.4544 | 36.8692 | 3.25525 | 45.08475 | 33.56149 | -0.05246 | 49.52246 | 44.31993 | 10.70598 | 31.50402 |
| 5/19/2025 | 6:00:00 PM | 33.62732 | 52.56101 | 18.93369 | 28.44631 | 36.86562 | 3.2383 | 45.1017 | 33.56876 | -0.05856 | 49.52856 | 44.31993 | 10.69261 | 31.51739 |
| 5/19/2025 | 7:00:00 PM | 33.62732 | 52.56459 | 18.93727 | 28.44273 | 36.86562 | 3.2383 | 45.1017 | 33.5724 | -0.05492 | 49.52492 | 44.32707 | 10.69975 | 31.51025 |
| 5/19/2025 | 8:00:00 PM | 33.62732 | 52.57889 | 18.95157 | 28.42843 | 36.87278 | 3.24546 | 45.09454 | 33.57603 | -0.05129 | 49.52129 | 44.33421 | 10.70689 | 31.50311 |
| 5/19/2025 | 9:00:00 PM | 33.63067 | 52.59677 | 18.9661 | 28.4139 | 36.87278 | 3.24211 | 45.09789 | 33.59783 | -0.03284 | 49.50284 | 44.34136 | 10.71069 | 31.49931 |
| 5/19/2025 | 10:00:00 PM | 33.63401 | 52.61465 | 18.98064 | 28.39936 | 36.87636 | 3.24235 | 45.09765 | 33.6051 | -0.02891 | 49.49891 | 44.35207 | 10.71806 | 31.49194 |
| 5/19/2025 | 11:00:00 PM | 33.6407 | 52.61108 | 18.97038 | 28.40962 | 36.87993 | 3.23923 | 45.10077 | 33.61601 | -0.02469 | 49.49469 | 44.35921 | 10.71851 | 31.49149 |
| 5/20/2025 | 12:00:00 AM | 33.63736 | 52.63611 | 18.99875 | 28.38125 | 36.87993 | 3.24257 | 45.09743 | 33.61964 | -0.01772 | 49.48772 | 44.36993 | 10.73257 | 31.47743 |
| 5/20/2025 | 1:00:00 AM | 33.63736 | 52.63253 | 18.99517 | 28.38483 | 36.88709 | 3.24973 | 45.09027 | 33.62691 | -0.01045 | 49.48045 | 44.36636 | 10.729 | 31.481 |
| 5/20/2025 | 2:00:00 AM | 33.65073 | 52.62538 | 18.97465 | 28.40535 | 36.88351 | 3.23278 | 45.10722 | 33.64508 | -0.00565 | 49.47565 | 44.38064 | 10.72991 | 31.48009 |
| 5/20/2025 | 3:00:00 AM | 33.64739 | 52.63968 | 18.99229 | 28.38771 | 36.89067 | 3.24328 | 45.09672 | 33.65235 | 0.00496 | 49.46504 | 44.38778 | 10.74039 | 31.46961 |
| 5/20/2025 | 4:00:00 AM | 33.6708 | 52.64326 | 18.97246 | 28.40754 | 36.89425 | 3.22345 | 45.11655 | 33.65598 | -0.01482 | 49.48482 | 44.3985 | 10.7277 | 31.4823 |
| 5/20/2025 | 5:00:00 AM | 33.66411 | 52.64684 | 18.98273 | 28.39727 | 36.90141 | 3.2373 | 45.1027 | 33.66688 | 0.00277 | 49.46723 | 44.41278 | 10.74867 | 31.46133 |
| 5/20/2025 | 6:00:00 AM | 33.68083 | 52.62538 | 18.94455 | 28.43545 | 36.90499 | 3.22416 | 45.11584 | 33.66688 | -0.01395 | 49.48395 | 44.41635 | 10.73552 | 31.47448 |
| 5/20/2025 | 7:00:00 AM | 33.69755 | 52.64326 | 18.94571 | 28.43429 | 36.90499 | 3.20744 | 45.13256 | 33.67779 | -0.01976 | 49.48976 | 44.41993 | 10.72238 | 31.48762 |
| 5/20/2025 | 8:00:00 AM | 33.71761 | 52.66829 | 18.95068 | 28.42932 | 36.91931 | 3.2017 | 45.1383 | 33.69596 | -0.02165 | 49.49165 | 44.43778 | 10.72017 | 31.48983 |
| 5/20/2025 | 9:00:00 AM | 33.73768 | 52.68617 | 18.94849 | 28.43151 | 36.92289 | 3.18521 | 45.15479 | 33.71049 | -0.02719 | 49.49719 | 44.54492 | 10.80724 | 31.40276 |
| 5/20/2025 | 10:00:00 AM | 33.76108 | 52.6969 | 18.93582 | 28.44418 | 36.93005 | 3.16897 | 45.17103 | 33.7214 | -0.03968 | 49.50968 | 44.50207 | 10.74099 | 31.46901 |
| 5/20/2025 | 11:00:00 AM | 33.76108 | 52.69332 | 18.93224 | 28.44776 | 36.93721 | 3.17613 | 45.16387 | 33.72503 | -0.03605 | 49.50605 | 44.47707 | 10.71599 | 31.49401 |
| 5/20/2025 | 12:00:00 PM | 33.76777 | 52.70405 | 18.93628 | 28.44372 | 36.94079 | 3.17302 | 45.16698 | 33.73593 | -0.03184 | 49.50184 | 44.48064 | 10.71287 | 31.49713 |
| 5/20/2025 | 1:00:00 PM | 33.78115 | 52.70763 | 18.92648 | 28.45352 | 36.95153 | 3.17038 | 45.16962 | 33.73593 | -0.04522 | 49.51522 | 44.48421 | 10.70306 | 31.50694 |
| 5/20/2025 | 2:00:00 PM | 33.78449 | 52.71121 | 18.92672 | 28.45328 | 36.94795 | 3.16346 | 45.17654 | 33.74684 | -0.03765 | 49.50765 | 44.48778 | 10.70329 | 31.50671 |
| 5/20/2025 | 3:00:00 PM | 33.78449 | 52.73266 | 18.94817 | 28.43183 | 36.96226 | 3.17777 | 45.16223 | 33.76137 | -0.02312 | 49.49312 | 44.49492 | 10.71043 | 31.49957 |
| 5/20/2025 | 4:00:00 PM | 33.79118 | 52.71478 | 18.9236 | 28.4564 | 36.96226 | 3.17108 | 45.16892 | 33.7541 | -0.03708 | 49.50708 | 44.50207 | 10.71089 | 31.49911 |
| 5/20/2025 | 5:00:00 PM | 33.79452 | 52.71121 | 18.91669 | 28.46331 | 36.98016 | 3.18564 | 45.15436 | 33.76137 | -0.03315 | 49.50315 | 44.50207 | 10.70755 | 31.50245 |
| 5/20/2025 | 6:00:00 PM | 33.79118 | 52.70763 | 18.91645 | 28.46355 | 36.98016 | 3.18898 | 45.15102 | 33.76137 | -0.02981 | 49.49981 | 44.50921 | 10.71803 | 31.49197 |
| 5/20/2025 | 7:00:00 PM | 33.78784 | 52.73266 | 18.94482 | 28.43518 | 36.9909 | 3.20306 | 45.13694 | 33.76501 | -0.02283 | 49.49283 | 44.51992 | 10.73208 | 31.47792 |
| 5/20/2025 | 8:00:00 PM | 33.78115 | 52.73981 | 18.95866 | 28.42134 | 36.99448 | 3.21333 | 45.12667 | 33.76864 | -0.01251 | 49.48251 | 44.51635 | 10.7352 | 31.4748 |
| 5/20/2025 | 9:00:00 PM | 33.79118 | 52.75769 | 18.96651 | 28.41349 | 37.00522 | 3.21404 | 45.12596 | 33.77227 | -0.01891 | 49.48891 | 44.52707 | 10.73589 | 31.47411 |
| 5/20/2025 | 10:00:00 PM | 33.81459 | 52.772 | 18.95741 | 28.42259 | 37.0088 | 3.19421 | 45.14579 | 33.79771 | -0.01688 | 49.48688 | 44.53778 | 10.72319 | 31.48681 |
| 5/20/2025 | 11:00:00 PM | 33.81459 | 52.78273 | 18.96814 | 28.41186 | 37.01596 | 3.20137 | 45.13863 | 33.79771 | -0.01688 | 49.48688 | 44.54135 | 10.72676 | 31.48324 |
| 5/21/2025 | 12:00:00 AM | 33.82128 | 52.79703 | 18.97575 | 28.40425 | 37.01954 | 3.19826 | 45.14174 | 33.80498 | -0.0163 | 49.4863 | 44.54492 | 10.72364 | 31.48636 |
| 5/21/2025 | 1:00:00 AM | 33.83131 | 52.80776 | 18.97645 | 28.40355 | 37.02312 | 3.19181 | 45.14819 | 33.81225 | -0.01906 | 49.48906 | 44.55921 | 10.7279 | 31.4821 |
| 5/21/2025 | 2:00:00 AM | 33.838 | 52.81491 | 18.97691 | 28.40309 | 37.03027 | 3.19227 | 45.14773 | 33.81952 | -0.01848 | 49.48848 | 44.55564 | 10.71764 | 31.49236 |
| 5/21/2025 | 3:00:00 AM | 33.84468 | 52.82564 | 18.98096 | 28.39904 | 37.04101 | 3.19633 | 45.14367 | 33.83406 | -0.01062 | 49.48062 | 44.56992 | 10.72524 | 31.48476 |
| 5/21/2025 | 4:00:00 AM | 33.84468 | 52.83279 | 18.98811 | 28.39189 | 37.04817 | 3.20349 | 45.13651 | 33.83406 | -0.01062 | 49.48062 | 44.58063 | 10.73595 | 31.47405 |
| 5/21/2025 | 5:00:00 AM | 33.84468 | 52.83637 | 18.99169 | 28.38831 | 37.05175 | 3.20707 | 45.13293 | 33.83042 | -0.01426 | 49.48426 | 44.58063 | 10.73595 | 31.47405 |
| 5/21/2025 | 6:00:00 AM | 33.84134 | 52.83994 | 18.9986 | 28.3814 | 37.05533 | 3.21399 | 45.12601 | 33.83406 | -0.00728 | 49.47728 | 44.58421 | 10.74287 | 31.46713 |
| 5/21/2025 | 7:00:00 AM | 33.85472 | 52.8471 | 18.99238 | 28.38762 | 37.06249 | 3.20777 | 45.13223 | 33.83406 | -0.02066 | 49.49066 | 44.58421 | 10.72949 | 31.48051 |
| 5/21/2025 | 8:00:00 AM | 33.84468 | 52.83994 | 18.99526 | 28.38474 | 37.06607 | 3.22139 | 45.11861 | 33.83406 | -0.01062 | 49.48062 | 44.58421 | 10.73953 | 31.47047 |
| 5/21/2025 | 9:00:00 AM | 33.85137 | 52.8471 | 18.99573 | 28.38427 | 37.06965 | 3.21828 | 45.12172 | 33.83769 | -0.01368 | 49.48368 | 44.59492 | 10.74355 | 31.46645 |
| 5/21/2025 | 10:00:00 AM | 33.85806 | 52.83637 | 18.97831 | 28.40169 | 37.06965 | 3.21159 | 45.12841 | 33.83042 | -0.02764 | 49.49764 | 44.59135 | 10.73329 | 31.47671 |
| 5/21/2025 | 11:00:00 AM | 33.8614 | 52.83279 | 18.97139 | 28.40861 | 37.07323 | 3.21183 | 45.12817 | 33.83042 | -0.03098 | 49.50098 | 44.58421 | 10.72281 | 31.48719 |
| 5/21/2025 | 12:00:00 PM | 33.86475 | 52.82206 | 18.95731 | 28.42269 | 37.07681 | 3.21206 | 45.12794 | 33.81952 | -0.04523 | 49.51523 | 44.58063 | 10.71588 | 31.49412 |
| 5/21/2025 | 1:00:00 PM | 33.85472 | 52.7863 | 18.93158 | 28.44842 | 37.08397 | 3.22925 | 45.11075 | 33.79408 | -0.06064 | 49.53064 | 44.56635 | 10.71163 | 31.49837 |
| 5/21/2025 | 2:00:00 PM | 33.87478 | 52.75412 | 18.87934 | 28.50066 | 37.08397 | 3.20919 | 45.13081 | 33.76864 | -0.10614 | 49.57614 | 44.54849 | 10.67371 | 31.53629 |
| 5/21/2025 | 3:00:00 PM | 33.84803 | 52.6826 | 18.83457 | 28.54543 | 37.07681 | 3.22878 | 45.11122 | 33.7432 | -0.10483 | 49.57483 | 44.52349 | 10.67546 | 31.53454 |
| 5/21/2025 | 4:00:00 PM | 33.83465 | 52.65399 | 18.81934 | 28.56066 | 37.06965 | 3.235 | 45.105 | 33.7214 | -0.11325 | 49.58325 | 44.50921 | 10.67456 | 31.53544 |
| 5/21/2025 | 5:00:00 PM | 33.82462 | 52.63611 | 18.81149 | 28.56851 | 37.06965 | 3.24503 | 45.09497 | 33.71413 | -0.11049 | 49.58049 | 44.49135 | 10.66673 | 31.54327 |
| 5/21/2025 | 6:00:00 PM | 33.81124 | 52.6218 | 18.81056 | 28.56944 | 37.06249 | 3.25125 | 45.08875 | 33.69596 | -0.11528 | 49.58528 | 44.4735 | 10.66226 | 31.54774 |
| 5/21/2025 | 7:00:00 PM | 33.79452 | 52.60035 | 18.80583 | 28.57417 | 37.05891 | 3.26439 | 45.07561 | 33.67415 | -0.12037 | 49.59037 | 44.45921 | 10.66469 | 31.54531 |
| 5/21/2025 | 8:00:00 PM | 33.78115 | 52.58247 | 18.80132 | 28.57868 | 37.05533 | 3.27418 | 45.06582 | 33.65598 | -0.12517 | 49.59517 | 44.44135 | 10.6602 | 31.5498 |
| 5/21/2025 | 9:00:00 PM | 33.76443 | 52.57531 | 18.81088 | 28.56912 | 37.03743 | 3.273 | 45.067 | 33.65235 | -0.11208 | 49.58208 | 44.4235 | 10.65907 | 31.55093 |
| 5/21/2025 | 10:00:00 PM | 33.75105 | 52.57889 | 18.82784 | 28.55216 | 37.03385 | 3.2828 | 45.0572 | 33.63418 | -0.11687 | 49.58687 | 44.41278 | 10.66173 | 31.54827 |
| 5/21/2025 | 11:00:00 PM | 33.73768 | 52.56816 | 18.83048 | 28.54952 | 37.03385 | 3.29617 | 45.04383 | 33.63418 | -0.1035 | 49.5735 | 44.40207 | 10.66439 | 31.54561 |
| 5/22/2025 | 12:00:00 AM | 33.72764 | 52.55743 | 18.82979 | 28.55021 | 37.01954 | 3.2919 | 45.0481 | 33.61601 | -0.11163 | 49.58163 | 44.40207 | 10.67443 | 31.53557 |
| 5/22/2025 | 1:00:00 AM | 33.71761 | 52.56459 | 18.84698 | 28.53302 | 37.00522 | 3.28761 | 45.05239 | 33.61237 | -0.10524 | 49.57524 | 44.38421 | 10.6666 | 31.5434 |
| 5/22/2025 | 2:00:00 AM | 33.71427 | 52.55386 | 18.83959 | 28.54041 | 36.99806 | 3.28379 | 45.05621 | 33.60147 | -0.1128 | 49.5828 | 44.36993 | 10.65566 | 31.55434 |
| 5/22/2025 | 3:00:00 AM | 33.71092 | 52.56101 | 18.85009 | 28.52991 | 36.98732 | 3.2764 | 45.0636 | 33.60874 | -0.10218 | 49.57218 | 44.36993 | 10.65901 | 31.55099 |
| 5/22/2025 | 4:00:00 AM | 33.71427 | 52.57531 | 18.86104 | 28.51896 | 36.98016 | 3.26589 | 45.07411 | 33.6051 | -0.10917 | 49.57917 | 44.36636 | 10.65209 | 31.55791 |
| 5/22/2025 | 5:00:00 AM | 33.71092 | 52.57889 | 18.86797 | 28.51203 | 36.973 | 3.26208 | 45.07792 | 33.6051 | -0.10582 | 49.57582 | 44.36279 | 10.65187 | 31.55813 |
| 5/22/2025 | 6:00:00 AM | 33.70758 | 52.58604 | 18.87846 | 28.50154 | 36.96942 | 3.26184 | 45.07816 | 33.6051 | -0.10248 | 49.57248 | 44.35564 | 10.64806 | 31.56194 |
| 5/22/2025 | 7:00:00 AM | 33.70758 | 52.58962 | 18.88204 | 28.49796 | 36.96584 | 3.25826 | 45.08174 | 33.6051 | -0.10248 | 49.57248 | 44.35921 | 10.65163 | 31.55837 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/22/2025 | 8:00:00 AM | 33.71761 | 52.59677 | 18.87916 | 28.50084 | 36.96226 | 3.24465 | 45.09535 | 33.60874 | -0.10887 | 49.57887 | 44.35921 | 10.6416 | 31.5684 |
| 5/22/2025 | 9:00:00 AM | 33.7243 | 52.60392 | 18.87962 | 28.50038 | 36.95868 | 3.23438 | 45.10562 | 33.61964 | -0.10466 | 49.57466 | 44.36279 | 10.63849 | 31.57151 |
| 5/22/2025 | 10:00:00 AM | 33.73099 | 52.61465 | 18.88366 | 28.49634 | 36.95153 | 3.22054 | 45.11946 | 33.61964 | -0.11135 | 49.58135 | 44.36279 | 10.6318 | 31.5782 |
| 5/22/2025 | 11:00:00 AM | 33.75105 | 52.61465 | 18.8636 | 28.5164 | 36.94795 | 3.1969 | 45.1431 | 33.62327 | -0.12778 | 49.59778 | 44.3735 | 10.62245 | 31.58755 |
| 5/22/2025 | 12:00:00 PM | 33.74771 | 52.6075 | 18.85979 | 28.52021 | 36.94795 | 3.20024 | 45.13976 | 33.62327 | -0.12444 | 49.59444 | 44.36636 | 10.61865 | 31.59135 |
| 5/22/2025 | 1:00:00 PM | 33.76777 | 52.61465 | 18.84688 | 28.53312 | 36.94437 | 3.1766 | 45.1634 | 33.61601 | -0.15176 | 49.62176 | 44.36279 | 10.59502 | 31.61498 |
| 5/22/2025 | 2:00:00 PM | 33.7778 | 52.61823 | 18.84043 | 28.53957 | 36.94795 | 3.17015 | 45.16985 | 33.61964 | -0.15816 | 49.62816 | 44.36636 | 10.58856 | 31.62144 |
| 5/22/2025 | 3:00:00 PM | 33.78784 | 52.6075 | 18.81966 | 28.56034 | 36.93721 | 3.14937 | 45.19063 | 33.62691 | -0.16093 | 49.63093 | 44.36636 | 10.57852 | 31.63148 |
| 5/22/2025 | 4:00:00 PM | 33.78115 | 52.60392 | 18.82277 | 28.55723 | 36.93363 | 3.15248 | 45.18752 | 33.62691 | -0.15424 | 49.62424 | 44.36279 | 10.58164 | 31.62836 |
| 5/22/2025 | 5:00:00 PM | 33.7778 | 52.59677 | 18.81897 | 28.56103 | 36.93005 | 3.15225 | 45.18775 | 33.61964 | -0.15816 | 49.62816 | 44.35921 | 10.58141 | 31.62859 |
| 5/22/2025 | 6:00:00 PM | 33.7778 | 52.59677 | 18.81897 | 28.56103 | 36.93363 | 3.15583 | 45.18417 | 33.62691 | -0.15089 | 49.62089 | 44.35921 | 10.58141 | 31.62859 |
| 5/22/2025 | 7:00:00 PM | 33.76108 | 52.59677 | 18.83569 | 28.54431 | 36.93005 | 3.16897 | 45.17103 | 33.62691 | -0.13417 | 49.60417 | 44.36636 | 10.60528 | 31.60472 |
| 5/22/2025 | 8:00:00 PM | 33.76108 | 52.59319 | 18.83211 | 28.54789 | 36.93721 | 3.17613 | 45.16387 | 33.63054 | -0.13054 | 49.60054 | 44.3735 | 10.61242 | 31.59758 |
| 5/22/2025 | 9:00:00 PM | 33.74771 | 52.60035 | 18.85264 | 28.52736 | 36.93005 | 3.18234 | 45.15766 | 33.63054 | -0.11717 | 49.58717 | 44.36993 | 10.62222 | 31.58778 |
| 5/22/2025 | 10:00:00 PM | 33.74771 | 52.61108 | 18.86337 | 28.51663 | 36.93363 | 3.18592 | 45.15408 | 33.65235 | -0.09536 | 49.56536 | 44.38064 | 10.63293 | 31.57707 |
| 5/22/2025 | 11:00:00 PM | 33.74436 | 52.6218 | 18.87744 | 28.50256 | 36.93363 | 3.18927 | 45.15073 | 33.65598 | -0.08838 | 49.55838 | 44.38778 | 10.64342 | 31.56658 |
| 5/23/2025 | 12:00:00 AM | 33.74102 | 52.63611 | 18.89509 | 28.48491 | 36.93363 | 3.19261 | 45.14739 | 33.66325 | -0.07777 | 49.54777 | 44.39136 | 10.65034 | 31.55966 |
| 5/23/2025 | 1:00:00 AM | 33.7243 | 52.63253 | 18.90823 | 28.47177 | 36.93721 | 3.21291 | 45.12709 | 33.65962 | -0.06468 | 49.53468 | 44.39493 | 10.67063 | 31.53937 |
| 5/23/2025 | 2:00:00 AM | 33.72096 | 52.63253 | 18.91157 | 28.46843 | 36.93721 | 3.21625 | 45.12375 | 33.65598 | -0.06498 | 49.53498 | 44.39493 | 10.67397 | 31.53603 |
| 5/23/2025 | 3:00:00 AM | 33.72096 | 52.65399 | 18.93303 | 28.44697 | 36.93721 | 3.21625 | 45.12375 | 33.67052 | -0.05044 | 49.52044 | 44.39493 | 10.67397 | 31.53603 |
| 5/23/2025 | 4:00:00 AM | 33.71427 | 52.64326 | 18.92899 | 28.45101 | 36.94437 | 3.2301 | 45.1099 | 33.67052 | -0.04375 | 49.51375 | 44.40921 | 10.69494 | 31.51506 |
| 5/23/2025 | 5:00:00 AM | 33.70758 | 52.65399 | 18.94641 | 28.43359 | 36.94079 | 3.23321 | 45.10679 | 33.67052 | -0.03706 | 49.50706 | 44.40921 | 10.70163 | 31.50837 |
| 5/23/2025 | 6:00:00 AM | 33.70758 | 52.65399 | 18.94641 | 28.43359 | 36.94079 | 3.23321 | 45.10679 | 33.67052 | -0.03706 | 49.50706 | 44.40207 | 10.69449 | 31.51551 |
| 5/23/2025 | 7:00:00 AM | 33.71092 | 52.66829 | 18.95737 | 28.42263 | 36.94079 | 3.22987 | 45.11013 | 33.67779 | -0.03313 | 49.50313 | 44.41278 | 10.70186 | 31.50814 |
| 5/23/2025 | 8:00:00 AM | 33.72096 | 52.66829 | 18.94733 | 28.43267 | 36.94079 | 3.21983 | 45.12017 | 33.68142 | -0.03954 | 49.50954 | 44.41635 | 10.69539 | 31.51461 |
| 5/23/2025 | 9:00:00 AM | 33.72764 | 52.67544 | 18.9478 | 28.4322 | 36.94795 | 3.22031 | 45.11969 | 33.68505 | -0.04259 | 49.51259 | 44.41993 | 10.69229 | 31.51771 |
| 5/23/2025 | 10:00:00 AM | 33.73099 | 52.6826 | 18.95161 | 28.42839 | 36.94795 | 3.21696 | 45.12304 | 33.68142 | -0.04957 | 49.51957 | 44.41993 | 10.68894 | 31.52106 |
| 5/23/2025 | 11:00:00 AM | 33.73433 | 52.67902 | 18.94469 | 28.43531 | 36.94437 | 3.21004 | 45.12996 | 33.68869 | -0.04564 | 49.51564 | 44.42707 | 10.69274 | 31.51726 |
| 5/23/2025 | 12:00:00 PM | 33.74771 | 52.6826 | 18.93489 | 28.44511 | 36.95153 | 3.20382 | 45.13618 | 33.68505 | -0.06266 | 49.53266 | 44.41635 | 10.66864 | 31.54136 |
| 5/23/2025 | 1:00:00 PM | 33.7544 | 52.65399 | 18.89959 | 28.48041 | 36.95153 | 3.19713 | 45.14287 | 33.67779 | -0.07661 | 49.54661 | 44.41993 | 10.66553 | 31.54447 |
| 5/23/2025 | 2:00:00 PM | 33.76777 | 52.65041 | 18.88264 | 28.49736 | 36.95153 | 3.18376 | 45.15624 | 33.66688 | -0.10089 | 49.57089 | 44.40564 | 10.63787 | 31.57213 |
| 5/23/2025 | 3:00:00 PM | 33.78115 | 52.63253 | 18.85138 | 28.52862 | 36.9551 | 3.17395 | 45.16605 | 33.65598 | -0.12517 | 49.59517 | 44.40207 | 10.62092 | 31.58908 |
| 5/23/2025 | 4:00:00 PM | 33.78449 | 52.62896 | 18.84447 | 28.53553 | 36.95153 | 3.16704 | 45.17296 | 33.65598 | -0.12851 | 49.59851 | 44.3985 | 10.61401 | 31.59599 |
| 5/23/2025 | 5:00:00 PM | 33.78449 | 52.62538 | 18.84089 | 28.53911 | 36.94795 | 3.16346 | 45.17654 | 33.65235 | -0.13214 | 49.60214 | 44.39493 | 10.61044 | 31.59956 |
| 5/23/2025 | 6:00:00 PM | 33.78115 | 52.6218 | 18.84065 | 28.53935 | 36.94437 | 3.16322 | 45.17678 | 33.64871 | -0.13244 | 49.60244 | 44.3985 | 10.61735 | 31.59265 |
| 5/23/2025 | 7:00:00 PM | 33.76777 | 52.62538 | 18.85761 | 28.52239 | 36.95153 | 3.18376 | 45.15624 | 33.65235 | -0.11542 | 49.58542 | 44.39493 | 10.62716 | 31.58284 |
| 5/23/2025 | 8:00:00 PM | 33.76443 | 52.62538 | 18.86095 | 28.51905 | 36.94795 | 3.18352 | 45.15648 | 33.66688 | -0.09755 | 49.56755 | 44.39493 | 10.6305 | 31.5795 |
| 5/23/2025 | 9:00:00 PM | 33.75105 | 52.62538 | 18.87433 | 28.50567 | 36.94079 | 3.18974 | 45.15026 | 33.66688 | -0.08417 | 49.55417 | 44.39493 | 10.64388 | 31.56612 |
| 5/23/2025 | 10:00:00 PM | 33.74102 | 52.63968 | 18.89866 | 28.48134 | 36.94437 | 3.20335 | 45.13665 | 33.67415 | -0.06687 | 49.53687 | 44.3985 | 10.65748 | 31.55252 |
| 5/23/2025 | 11:00:00 PM | 33.73433 | 52.63253 | 18.8982 | 28.4818 | 36.94795 | 3.21362 | 45.12638 | 33.67052 | -0.06381 | 49.53381 | 44.3985 | 10.66417 | 31.54583 |
| 5/24/2025 | 12:00:00 AM | 33.7243 | 52.63611 | 18.91181 | 28.46819 | 36.94437 | 3.22007 | 45.11993 | 33.66688 | -0.05742 | 49.52742 | 44.40207 | 10.67777 | 31.53223 |
| 5/24/2025 | 1:00:00 AM | 33.71427 | 52.64684 | 18.93257 | 28.44743 | 36.94795 | 3.23368 | 45.10632 | 33.67052 | -0.04375 | 49.51375 | 44.3985 | 10.68423 | 31.52577 |
| 5/24/2025 | 2:00:00 AM | 33.71092 | 52.64684 | 18.93592 | 28.44408 | 36.94795 | 3.23703 | 45.10297 | 33.67052 | -0.0404 | 49.5104 | 44.40564 | 10.69472 | 31.51528 |
| 5/24/2025 | 3:00:00 AM | 33.70424 | 52.63611 | 18.93187 | 28.44813 | 36.94079 | 3.23655 | 45.10345 | 33.66688 | -0.03736 | 49.50736 | 44.40564 | 10.7014 | 31.5086 |
| 5/24/2025 | 4:00:00 AM | 33.6942 | 52.63253 | 18.93833 | 28.44167 | 36.94795 | 3.25375 | 45.08625 | 33.66325 | -0.03095 | 49.50095 | 44.39493 | 10.70073 | 31.50927 |
| 5/24/2025 | 5:00:00 AM | 33.68417 | 52.62896 | 18.94479 | 28.43521 | 36.94437 | 3.2602 | 45.0798 | 33.64508 | -0.03909 | 49.50909 | 44.3985 | 10.71433 | 31.49567 |
| 5/24/2025 | 6:00:00 AM | 33.67748 | 52.62538 | 18.9479 | 28.4321 | 36.94795 | 3.27047 | 45.06953 | 33.64144 | -0.03604 | 49.50604 | 44.38778 | 10.7103 | 31.4997 |
| 5/24/2025 | 7:00:00 AM | 33.68083 | 52.62896 | 18.94813 | 28.43187 | 36.94079 | 3.25996 | 45.08004 | 33.64508 | -0.03575 | 49.50575 | 44.39136 | 10.71053 | 31.49947 |
| 5/24/2025 | 8:00:00 AM | 33.6708 | 52.61108 | 18.94028 | 28.43972 | 36.94437 | 3.27357 | 45.06643 | 33.63054 | -0.04026 | 49.51026 | 44.3735 | 10.7027 | 31.5073 |
| 5/24/2025 | 9:00:00 AM | 33.67748 | 52.61108 | 18.9336 | 28.4464 | 36.93721 | 3.25973 | 45.08027 | 33.62691 | -0.05057 | 49.52057 | 44.3735 | 10.69602 | 31.51398 |
| 5/24/2025 | 10:00:00 AM | 33.68417 | 52.60392 | 18.91975 | 28.46025 | 36.93363 | 3.24946 | 45.09054 | 33.61237 | -0.0718 | 49.5418 | 44.36636 | 10.68219 | 31.52781 |
| 5/24/2025 | 11:00:00 AM | 33.68752 | 52.58962 | 18.9021 | 28.4779 | 36.93363 | 3.24611 | 45.09389 | 33.6051 | -0.08242 | 49.55242 | 44.35564 | 10.66812 | 31.54188 |
| 5/24/2025 | 12:00:00 PM | 33.70089 | 52.58962 | 18.88873 | 28.49127 | 36.93721 | 3.23632 | 45.10368 | 33.59783 | -0.10306 | 49.57306 | 44.3485 | 10.64761 | 31.56239 |
| 5/24/2025 | 1:00:00 PM | 33.70424 | 52.56816 | 18.86392 | 28.51608 | 36.93005 | 3.22581 | 45.11419 | 33.57966 | -0.12458 | 49.59458 | 44.33064 | 10.6264 | 31.5836 |
| 5/24/2025 | 2:00:00 PM | 33.69755 | 52.53955 | 18.842 | 28.538 | 36.92289 | 3.22534 | 45.11466 | 33.57603 | -0.12152 | 49.59152 | 44.32707 | 10.62952 | 31.58048 |
| 5/24/2025 | 3:00:00 PM | 33.68752 | 52.5181 | 18.83058 | 28.54942 | 36.91215 | 3.22463 | 45.11537 | 33.55422 | -0.1333 | 49.6033 | 44.31279 | 10.62527 | 31.58473 |
| 5/24/2025 | 4:00:00 PM | 33.6708 | 52.49664 | 18.82584 | 28.55416 | 36.90141 | 3.23061 | 45.10939 | 33.54332 | -0.12748 | 49.59748 | 44.25207 | 10.58127 | 31.62873 |
| 5/24/2025 | 5:00:00 PM | 33.65073 | 52.47876 | 18.82803 | 28.55197 | 36.89425 | 3.24352 | 45.09648 | 33.52515 | -0.12558 | 49.59558 | 44.26636 | 10.61563 | 31.59437 |
| 5/24/2025 | 6:00:00 PM | 33.63067 | 52.4287 | 18.79803 | 28.58197 | 36.88709 | 3.25642 | 45.08358 | 33.51425 | -0.11642 | 49.58642 | 44.25922 | 10.62855 | 31.58145 |
| 5/24/2025 | 7:00:00 PM | 33.62064 | 52.41797 | 18.79733 | 28.58267 | 36.88351 | 3.26287 | 45.07713 | 33.51061 | -0.11003 | 49.58003 | 44.25565 | 10.63501 | 31.57499 |
| 5/24/2025 | 8:00:00 PM | 33.61395 | 52.41082 | 18.79687 | 28.58313 | 36.87636 | 3.26241 | 45.07759 | 33.49608 | -0.11787 | 49.58787 | 44.2485 | 10.63455 | 31.57545 |
| 5/24/2025 | 9:00:00 PM | 33.60057 | 52.41439 | 18.81382 | 28.56618 | 36.8692 | 3.26863 | 45.07137 | 33.50698 | -0.09359 | 49.56359 | 44.24136 | 10.64079 | 31.56921 |
| 5/24/2025 | 10:00:00 PM | 33.5872 | 52.41439 | 18.82719 | 28.55281 | 36.85846 | 3.27126 | 45.06874 | 33.50335 | -0.08385 | 49.55385 | 44.24493 | 10.65773 | 31.55227 |
| 5/24/2025 | 11:00:00 PM | 33.58385 | 52.4287 | 18.84485 | 28.53515 | 36.85488 | 3.27103 | 45.06897 | 33.49971 | -0.08414 | 49.55414 | 44.24136 | 10.65751 | 31.55249 |
| 5/25/2025 | 12:00:00 AM | 33.57048 | 52.4287 | 18.85822 | 28.52178 | 36.85488 | 3.2844 | 45.0556 | 33.50698 | -0.0635 | 49.5335 | 44.23065 | 10.66017 | 31.54983 |
| 5/25/2025 | 1:00:00 AM | 33.56044 | 52.43227 | 18.87183 | 28.50817 | 36.84772 | 3.28728 | 45.05272 | 33.50698 | -0.05346 | 49.52346 | 44.24136 | 10.68092 | 31.52908 |
| 5/25/2025 | 2:00:00 AM | 33.56044 | 52.443 | 18.88256 | 28.49744 | 36.83698 | 3.27654 | 45.06346 | 33.51061 | -0.04983 | 49.51983 | 44.23779 | 10.67735 | 31.53265 |
| 5/25/2025 | 3:00:00 AM | 33.5571 | 52.46088 | 18.90378 | 28.47622 | 36.84056 | 3.28346 | 45.05654 | 33.51425 | -0.04285 | 49.51285 | 44.23779 | 10.68069 | 31.52931 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/25/2025 | 4:00:00 AM | 33.55376 | 52.46803 | 18.91427 | 28.46573 | 36.8334 | 3.27964 | 45.06036 | 33.51788 | -0.03588 | 49.50588 | 44.24493 | 10.69117 | 31.51883 |
| 5/25/2025 | 5:00:00 AM | 33.55041 | 52.46803 | 18.91762 | 28.46238 | 36.82982 | 3.27941 | 45.06059 | 33.51425 | -0.03616 | 49.50616 | 44.24493 | 10.69452 | 31.51548 |
| 5/25/2025 | 6:00:00 AM | 33.54707 | 52.48591 | 18.93884 | 28.44116 | 36.82624 | 3.27917 | 45.06083 | 33.52152 | -0.02555 | 49.49555 | 44.25207 | 10.705 | 31.505 |
| 5/25/2025 | 7:00:00 AM | 33.5571 | 52.49664 | 18.93954 | 28.44046 | 36.82624 | 3.26914 | 45.07086 | 33.52879 | -0.02831 | 49.49831 | 44.25207 | 10.69497 | 31.51503 |
| 5/25/2025 | 8:00:00 AM | 33.56379 | 52.51095 | 18.94716 | 28.43284 | 36.82266 | 3.25887 | 45.08113 | 33.54696 | -0.01683 | 49.48683 | 44.25922 | 10.69543 | 31.51457 |
| 5/25/2025 | 9:00:00 AM | 33.56379 | 52.51095 | 18.94716 | 28.43284 | 36.82266 | 3.25887 | 45.08113 | 33.54696 | -0.01683 | 49.48683 | 44.26279 | 10.699 | 31.511 |
| 5/25/2025 | 10:00:00 AM | 33.57716 | 52.51095 | 18.93379 | 28.44621 | 36.82266 | 3.2455 | 45.0945 | 33.54696 | -0.0302 | 49.5002 | 44.26993 | 10.69277 | 31.51723 |
| 5/25/2025 | 11:00:00 AM | 33.57716 | 52.50379 | 18.92663 | 28.45337 | 36.82266 | 3.2455 | 45.0945 | 33.54332 | -0.03384 | 49.50384 | 44.26279 | 10.68563 | 31.52437 |
| 5/25/2025 | 12:00:00 PM | 33.59054 | 52.49307 | 18.90253 | 28.47747 | 36.8155 | 3.22496 | 45.11504 | 33.53969 | -0.05085 | 49.52085 | 44.25565 | 10.66511 | 31.54489 |
| 5/25/2025 | 1:00:00 PM | 33.59388 | 52.46446 | 18.87058 | 28.50942 | 36.8155 | 3.22162 | 45.11838 | 33.52152 | -0.07236 | 49.54236 | 44.25207 | 10.65819 | 31.55181 |
| 5/25/2025 | 2:00:00 PM | 33.62064 | 52.43942 | 18.81878 | 28.56122 | 36.80834 | 3.1877 | 45.1523 | 33.50698 | -0.11366 | 49.58366 | 44.24493 | 10.62429 | 31.58571 |
| 5/25/2025 | 3:00:00 PM | 33.62732 | 52.42512 | 18.7978 | 28.5822 | 36.81192 | 3.1846 | 45.1554 | 33.50335 | -0.12397 | 49.59397 | 44.23422 | 10.6069 | 31.6031 |
| 5/25/2025 | 4:00:00 PM | 33.62732 | 52.41797 | 18.79065 | 28.58935 | 36.81192 | 3.1846 | 45.1554 | 33.49244 | -0.13488 | 49.60488 | 44.22708 | 10.59976 | 31.61024 |
| 5/25/2025 | 5:00:00 PM | 33.62732 | 52.41439 | 18.78707 | 28.59293 | 36.80834 | 3.18102 | 45.15898 | 33.48518 | -0.14214 | 49.61214 | 44.2235 | 10.59618 | 31.61382 |
| 5/25/2025 | 6:00:00 PM | 33.61729 | 52.42512 | 18.80783 | 28.57217 | 36.80118 | 3.18389 | 45.15611 | 33.48881 | -0.12848 | 49.59848 | 44.2235 | 10.60621 | 31.60379 |
| 5/25/2025 | 7:00:00 PM | 33.60726 | 52.41082 | 18.80356 | 28.57644 | 36.80118 | 3.19392 | 45.14608 | 33.48518 | -0.12208 | 49.59208 | 44.21636 | 10.6091 | 31.6009 |
| 5/25/2025 | 8:00:00 PM | 33.60057 | 52.41082 | 18.81025 | 28.56975 | 36.80118 | 3.20061 | 45.13939 | 33.48518 | -0.11539 | 49.58539 | 44.21279 | 10.61222 | 31.59778 |
| 5/25/2025 | 9:00:00 PM | 33.60057 | 52.42512 | 18.82455 | 28.55545 | 36.79045 | 3.18988 | 45.15012 | 33.49971 | -0.10086 | 49.57086 | 44.21279 | 10.61222 | 31.59778 |
| 5/25/2025 | 10:00:00 PM | 33.60057 | 52.45015 | 18.84958 | 28.53042 | 36.79403 | 3.19346 | 45.14654 | 33.51061 | -0.08996 | 49.55996 | 44.2235 | 10.62293 | 31.58707 |
| 5/25/2025 | 11:00:00 PM | 33.5872 | 52.443 | 18.8558 | 28.5242 | 36.79045 | 3.20325 | 45.13675 | 33.51061 | -0.07659 | 49.54659 | 44.21636 | 10.62916 | 31.58084 |
| 5/26/2025 | 12:00:00 AM | 33.5872 | 52.46088 | 18.87368 | 28.50632 | 36.79045 | 3.20325 | 45.13675 | 33.52152 | -0.06568 | 49.53568 | 44.23065 | 10.64345 | 31.56655 |
| 5/26/2025 | 1:00:00 AM | 33.59388 | 52.48591 | 18.89203 | 28.48797 | 36.79045 | 3.19657 | 45.14343 | 33.53242 | -0.06146 | 49.53146 | 44.2485 | 10.65462 | 31.55538 |
| 5/26/2025 | 2:00:00 AM | 33.59054 | 52.48591 | 18.89537 | 28.48463 | 36.78329 | 3.19275 | 45.14725 | 33.53605 | -0.05449 | 49.52449 | 44.2485 | 10.65796 | 31.55204 |
| 5/26/2025 | 3:00:00 AM | 33.59388 | 52.49664 | 18.90276 | 28.47724 | 36.80118 | 3.2073 | 45.1327 | 33.54332 | -0.05056 | 49.52056 | 44.2485 | 10.65462 | 31.55538 |
| 5/26/2025 | 4:00:00 AM | 33.5872 | 52.49664 | 18.90944 | 28.47056 | 36.79045 | 3.20325 | 45.13675 | 33.54332 | -0.04388 | 49.51388 | 44.25207 | 10.66487 | 31.54513 |
| 5/26/2025 | 5:00:00 AM | 33.58385 | 52.48949 | 18.90564 | 28.47436 | 36.79045 | 3.2066 | 45.1334 | 33.53969 | -0.04416 | 49.51416 | 44.25565 | 10.6718 | 31.5382 |
| 5/26/2025 | 6:00:00 AM | 33.59054 | 52.51452 | 18.92398 | 28.45602 | 36.79761 | 3.20707 | 45.13293 | 33.54696 | -0.04358 | 49.51358 | 44.25922 | 10.66868 | 31.54132 |
| 5/26/2025 | 7:00:00 AM | 33.59723 | 52.5324 | 18.93517 | 28.44483 | 36.80118 | 3.20395 | 45.13605 | 33.56149 | -0.03574 | 49.50574 | 44.26993 | 10.6727 | 31.5373 |
| 5/26/2025 | 8:00:00 AM | 33.60392 | 52.55386 | 18.94994 | 28.43006 | 36.80476 | 3.20084 | 45.13916 | 33.56876 | -0.03516 | 49.50516 | 44.28064 | 10.67672 | 31.53328 |
| 5/26/2025 | 9:00:00 AM | 33.62398 | 52.57889 | 18.95491 | 28.42509 | 36.80118 | 3.1772 | 45.1628 | 33.59057 | -0.03341 | 49.50341 | 44.29136 | 10.66738 | 31.54262 |
| 5/26/2025 | 10:00:00 AM | 33.63067 | 52.59677 | 18.9661 | 28.4139 | 36.80834 | 3.17767 | 45.16233 | 33.60147 | -0.0292 | 49.4992 | 44.2985 | 10.66783 | 31.54217 |
| 5/26/2025 | 11:00:00 AM | 33.65073 | 52.61465 | 18.96392 | 28.41608 | 36.81192 | 3.16119 | 45.17881 | 33.62691 | -0.02382 | 49.49382 | 44.31636 | 10.66563 | 31.54437 |
| 5/26/2025 | 12:00:00 PM | 33.66411 | 52.64326 | 18.97915 | 28.40085 | 36.81908 | 3.15497 | 45.18503 | 33.64144 | -0.02267 | 49.49267 | 44.33064 | 10.66653 | 31.54347 |
| 5/26/2025 | 1:00:00 PM | 33.68083 | 52.64326 | 18.96243 | 28.41757 | 36.82982 | 3.14899 | 45.19101 | 33.64871 | -0.03212 | 49.50212 | 44.34493 | 10.6641 | 31.5459 |
| 5/26/2025 | 2:00:00 PM | 33.70424 | 52.65756 | 18.95332 | 28.42668 | 36.8334 | 3.12916 | 45.21084 | 33.66325 | -0.04099 | 49.51099 | 44.35921 | 10.65497 | 31.55503 |
| 5/26/2025 | 3:00:00 PM | 33.7243 | 52.66829 | 18.94399 | 28.43601 | 36.84056 | 3.11626 | 45.22374 | 33.67415 | -0.05015 | 49.52015 | 44.36279 | 10.63849 | 31.57151 |
| 5/26/2025 | 4:00:00 PM | 33.73099 | 52.66472 | 18.93373 | 28.44627 | 36.84414 | 3.11315 | 45.22685 | 33.68142 | -0.04957 | 49.51957 | 44.38064 | 10.64965 | 31.56035 |
| 5/26/2025 | 5:00:00 PM | 33.73433 | 52.66829 | 18.93396 | 28.44604 | 36.86204 | 3.12771 | 45.21229 | 33.68505 | -0.04928 | 49.51928 | 44.38064 | 10.64631 | 31.56369 |
| 5/26/2025 | 6:00:00 PM | 33.73099 | 52.67544 | 18.94445 | 28.43555 | 36.85846 | 3.12747 | 45.21253 | 33.69596 | -0.03503 | 49.50503 | 44.3985 | 10.66751 | 31.54249 |
| 5/26/2025 | 7:00:00 PM | 33.73433 | 52.6826 | 18.94827 | 28.43173 | 36.86562 | 3.13129 | 45.20871 | 33.71049 | -0.02384 | 49.49384 | 44.40207 | 10.66774 | 31.54226 |
| 5/26/2025 | 8:00:00 PM | 33.75105 | 52.70763 | 18.95658 | 28.42342 | 36.88351 | 3.13246 | 45.20754 | 33.7214 | -0.02965 | 49.49965 | 44.41993 | 10.66888 | 31.54112 |
| 5/26/2025 | 9:00:00 PM | 33.76443 | 52.71836 | 18.95393 | 28.42607 | 36.88709 | 3.12266 | 45.21734 | 33.73593 | -0.0285 | 49.4985 | 44.43064 | 10.66621 | 31.54379 |
| 5/26/2025 | 10:00:00 PM | 33.78449 | 52.73624 | 18.95175 | 28.42825 | 36.89067 | 3.10618 | 45.23382 | 33.7541 | -0.03039 | 49.50039 | 44.44493 | 10.66044 | 31.54956 |
| 5/26/2025 | 11:00:00 PM | 33.77446 | 52.73266 | 18.9582 | 28.4218 | 36.90499 | 3.13053 | 45.20947 | 33.76137 | -0.01309 | 49.48309 | 44.44493 | 10.67047 | 31.53953 |
| 5/27/2025 | 12:00:00 AM | 33.78449 | 52.73981 | 18.95532 | 28.42468 | 36.91573 | 3.13124 | 45.20876 | 33.77227 | -0.01222 | 49.48222 | 44.45921 | 10.67472 | 31.53528 |
| 5/27/2025 | 1:00:00 AM | 33.79787 | 52.74697 | 18.9491 | 28.4309 | 36.92289 | 3.12502 | 45.21498 | 33.77591 | -0.02196 | 49.49196 | 44.47707 | 10.6792 | 31.5308 |
| 5/27/2025 | 2:00:00 AM | 33.80121 | 52.75054 | 18.94933 | 28.43067 | 36.93005 | 3.12884 | 45.21116 | 33.78681 | -0.0144 | 49.4844 | 44.47707 | 10.67586 | 31.53414 |
| 5/27/2025 | 3:00:00 AM | 33.8079 | 52.75769 | 18.94979 | 28.43021 | 36.94437 | 3.13647 | 45.20353 | 33.79408 | -0.01382 | 49.48382 | 44.48778 | 10.67988 | 31.53012 |
| 5/27/2025 | 4:00:00 AM | 33.80456 | 52.75769 | 18.95313 | 28.42687 | 36.9551 | 3.15054 | 45.18946 | 33.79045 | -0.01411 | 49.48411 | 44.49849 | 10.69393 | 31.51607 |
| 5/27/2025 | 5:00:00 AM | 33.81459 | 52.77557 | 18.96098 | 28.41902 | 36.95868 | 3.14409 | 45.19591 | 33.80135 | -0.01324 | 49.48324 | 44.50207 | 10.68748 | 31.52252 |
| 5/27/2025 | 6:00:00 AM | 33.82462 | 52.79345 | 18.96883 | 28.41117 | 36.96942 | 3.1448 | 45.1952 | 33.81225 | -0.01237 | 49.48237 | 44.50207 | 10.67745 | 31.53255 |
| 5/27/2025 | 7:00:00 AM | 33.83465 | 52.80061 | 18.96596 | 28.41404 | 36.96942 | 3.13477 | 45.20523 | 33.81952 | -0.01513 | 49.48513 | 44.51635 | 10.6817 | 31.5283 |
| 5/27/2025 | 8:00:00 AM | 33.83465 | 52.79703 | 18.96238 | 28.41762 | 36.98016 | 3.14551 | 45.19449 | 33.81952 | -0.01513 | 49.48513 | 44.51635 | 10.6817 | 31.5283 |
| 5/27/2025 | 9:00:00 AM | 33.838 | 52.79703 | 18.95903 | 28.42097 | 36.98374 | 3.14574 | 45.19426 | 33.81588 | -0.02212 | 49.49212 | 44.51992 | 10.68192 | 31.52808 |
| 5/27/2025 | 10:00:00 AM | 33.838 | 52.7863 | 18.9483 | 28.4317 | 36.9909 | 3.1529 | 45.1871 | 33.80135 | -0.03665 | 49.50665 | 44.51992 | 10.68192 | 31.52808 |
| 5/27/2025 | 11:00:00 AM | 33.8079 | 52.70763 | 18.89973 | 28.48027 | 37.00522 | 3.19732 | 45.14268 | 33.80135 | -0.00655 | 49.47655 | 44.51278 | 10.70488 | 31.50512 |
| 5/27/2025 | 12:00:00 PM | 33.81124 | 52.68617 | 18.87493 | 28.50507 | 37.00522 | 3.19398 | 45.14602 | 33.78318 | -0.02806 | 49.49806 | 44.50564 | 10.6944 | 31.5156 |
| 5/27/2025 | 1:00:00 PM | 33.82462 | 52.66114 | 18.83652 | 28.54348 | 37.00164 | 3.17702 | 45.16298 | 33.76501 | -0.05961 | 49.52961 | 44.49135 | 10.66673 | 31.54327 |
| 5/27/2025 | 2:00:00 PM | 33.838 | 52.65041 | 18.81241 | 28.56759 | 37.0088 | 3.1708 | 45.1692 | 33.7432 | -0.0948 | 49.5648 | 44.48064 | 10.64264 | 31.56736 |
| 5/27/2025 | 3:00:00 PM | 33.82462 | 52.59677 | 18.77215 | 28.60785 | 37.00164 | 3.17702 | 45.16298 | 33.71049 | -0.11413 | 49.58413 | 44.45564 | 10.63102 | 31.57898 |
| 5/27/2025 | 4:00:00 PM | 33.79787 | 52.56459 | 18.76672 | 28.61328 | 37.00164 | 3.20377 | 45.13623 | 33.68505 | -0.11282 | 49.58282 | 44.42707 | 10.6292 | 31.5808 |
| 5/27/2025 | 5:00:00 PM | 33.77112 | 52.54313 | 18.77201 | 28.60799 | 36.99806 | 3.22694 | 45.11306 | 33.65962 | -0.1115 | 49.5815 | 44.40207 | 10.63095 | 31.57905 |
| 5/27/2025 | 6:00:00 PM | 33.74436 | 52.50379 | 18.75943 | 28.62057 | 36.98016 | 3.2358 | 45.1042 | 33.63418 | -0.11018 | 49.58018 | 44.37707 | 10.63271 | 31.57729 |
| 5/27/2025 | 7:00:00 PM | 33.71427 | 52.47518 | 18.76091 | 28.61909 | 36.98016 | 3.26589 | 45.07411 | 33.60874 | -0.10553 | 49.57553 | 44.35564 | 10.64137 | 31.56863 |
| 5/27/2025 | 8:00:00 PM | 33.69086 | 52.45373 | 18.76287 | 28.61713 | 36.96942 | 3.27856 | 45.06144 | 33.5833 | -0.10756 | 49.57756 | 44.28422 | 10.59336 | 31.61664 |
| 5/27/2025 | 9:00:00 PM | 33.68083 | 52.45015 | 18.76932 | 28.61068 | 36.95868 | 3.27785 | 45.06215 | 33.5724 | -0.10843 | 49.57843 | 44.30922 | 10.62839 | 31.58161 |
| 5/27/2025 | 10:00:00 PM | 33.6708 | 52.4573 | 18.7865 | 28.5935 | 36.94795 | 3.27715 | 45.06285 | 33.56149 | -0.10931 | 49.57931 | 44.30564 | 10.63484 | 31.57516 |
| 5/27/2025 | 11:00:00 PM | 33.65073 | 52.45373 | 18.803 | 28.577 | 36.93721 | 3.28648 | 45.05352 | 33.55786 | -0.09287 | 49.56287 | 44.29136 | 10.64063 | 31.56937 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/28/2025 | 12:00:00 AM | 33.63401 | 52.443 | 18.80899 | 28.57101 | 36.92647 | 3.29246 | 45.04754 | 33.54696 | -0.08705 | 49.55705 | 44.2735 | 10.63949 | 31.57051 |
| 5/28/2025 | 1:00:00 AM | 33.62732 | 52.43585 | 18.80853 | 28.57147 | 36.91931 | 3.29199 | 45.04801 | 33.53242 | -0.0949 | 49.5649 | 44.26279 | 10.63547 | 31.57453 |
| 5/28/2025 | 2:00:00 AM | 33.6106 | 52.41797 | 18.80737 | 28.57263 | 36.90499 | 3.29439 | 45.04561 | 33.51061 | -0.09999 | 49.56999 | 44.24136 | 10.63076 | 31.57924 |
| 5/28/2025 | 3:00:00 AM | 33.5872 | 52.39294 | 18.80574 | 28.57426 | 36.89425 | 3.30705 | 45.03295 | 33.49608 | -0.09112 | 49.56112 | 44.20208 | 10.61488 | 31.59512 |
| 5/28/2025 | 4:00:00 AM | 33.58385 | 52.38578 | 18.80193 | 28.57807 | 36.87993 | 3.29608 | 45.04392 | 33.47791 | -0.10594 | 49.57594 | 44.19493 | 10.61108 | 31.59892 |
| 5/28/2025 | 5:00:00 AM | 33.57382 | 52.38936 | 18.81554 | 28.56446 | 36.8692 | 3.29538 | 45.04462 | 33.45974 | -0.11408 | 49.58408 | 44.18065 | 10.60683 | 31.60317 |
| 5/28/2025 | 6:00:00 AM | 33.56379 | 52.37863 | 18.81484 | 28.56516 | 36.85846 | 3.29467 | 45.04533 | 33.4452 | -0.11859 | 49.58859 | 44.18065 | 10.61686 | 31.59314 |
| 5/28/2025 | 7:00:00 AM | 33.56044 | 52.37505 | 18.81461 | 28.56539 | 36.84772 | 3.28728 | 45.05272 | 33.4343 | -0.12614 | 49.59614 | 44.17351 | 10.61307 | 31.59693 |
| 5/28/2025 | 8:00:00 AM | 33.56044 | 52.38221 | 18.82177 | 28.55823 | 36.82982 | 3.26938 | 45.07062 | 33.43066 | -0.12978 | 49.59978 | 44.15922 | 10.59878 | 31.61122 |
| 5/28/2025 | 9:00:00 AM | 33.56044 | 52.37148 | 18.81104 | 28.56896 | 36.82982 | 3.26938 | 45.07062 | 33.43066 | -0.12978 | 49.59978 | 44.15208 | 10.59164 | 31.61836 |
| 5/28/2025 | 10:00:00 AM | 33.57048 | 52.36433 | 18.79385 | 28.58615 | 36.80834 | 3.23786 | 45.10214 | 33.41976 | -0.15072 | 49.62072 | 44.14136 | 10.57088 | 31.63912 |
| 5/28/2025 | 11:00:00 AM | 33.56713 | 52.36075 | 18.79362 | 28.58638 | 36.80118 | 3.23405 | 45.10595 | 33.41976 | -0.14737 | 49.61737 | 44.12351 | 10.55638 | 31.65362 |
| 5/28/2025 | 12:00:00 PM | 33.58385 | 52.35717 | 18.77332 | 28.60668 | 36.78687 | 3.20302 | 45.13698 | 33.40886 | -0.17499 | 49.64499 | 44.11994 | 10.53609 | 31.67391 |
| 5/28/2025 | 1:00:00 PM | 33.56044 | 52.2785 | 18.71806 | 28.66194 | 36.77971 | 3.21927 | 45.12073 | 33.40886 | -0.15158 | 49.62158 | 44.11994 | 10.5595 | 31.6505 |
| 5/28/2025 | 2:00:00 PM | 33.60726 | 52.27493 | 18.66767 | 28.71233 | 36.77255 | 3.16529 | 45.17471 | 33.39796 | -0.2093 | 49.6793 | 44.10565 | 10.49839 | 31.71161 |
| 5/28/2025 | 3:00:00 PM | 33.61395 | 52.26062 | 18.64667 | 28.73333 | 36.76181 | 3.14786 | 45.19214 | 33.40159 | -0.21236 | 49.68236 | 44.10208 | 10.48813 | 31.72187 |
| 5/28/2025 | 4:00:00 PM | 33.60392 | 52.25347 | 18.64955 | 28.73045 | 36.75107 | 3.14715 | 45.19285 | 33.40159 | -0.20233 | 49.67233 | 44.09494 | 10.49102 | 31.71898 |
| 5/28/2025 | 5:00:00 PM | 33.6106 | 52.25704 | 18.64644 | 28.73356 | 36.74033 | 3.12973 | 45.21027 | 33.40159 | -0.20901 | 49.67901 | 44.09851 | 10.48791 | 31.72209 |
| 5/28/2025 | 6:00:00 PM | 33.59723 | 52.26062 | 18.66339 | 28.71661 | 36.74033 | 3.1431 | 45.1969 | 33.40159 | -0.19564 | 49.66564 | 44.10208 | 10.50485 | 31.70515 |
| 5/28/2025 | 7:00:00 PM | 33.5872 | 52.2642 | 18.677 | 28.703 | 36.72601 | 3.13881 | 45.20119 | 33.40886 | -0.17834 | 49.64834 | 44.10208 | 10.51488 | 31.69512 |
| 5/28/2025 | 8:00:00 PM | 33.58385 | 52.2785 | 18.69465 | 28.68535 | 36.72601 | 3.14216 | 45.19784 | 33.4234 | -0.16045 | 49.63045 | 44.11279 | 10.52894 | 31.68106 |
| 5/28/2025 | 9:00:00 PM | 33.57716 | 52.29638 | 18.71922 | 28.66078 | 36.72601 | 3.14885 | 45.19115 | 33.43066 | -0.1465 | 49.6165 | 44.11279 | 10.53563 | 31.67437 |
| 5/28/2025 | 10:00:00 PM | 33.57382 | 52.32141 | 18.74759 | 28.63241 | 36.72244 | 3.14862 | 45.19138 | 33.4561 | -0.11772 | 49.58772 | 44.13065 | 10.55683 | 31.65317 |
| 5/28/2025 | 11:00:00 PM | 33.57382 | 52.35717 | 18.78335 | 28.59665 | 36.71886 | 3.14504 | 45.19496 | 33.47427 | -0.09955 | 49.56955 | 44.14494 | 10.57112 | 31.63888 |
| 5/29/2025 | 12:00:00 AM | 33.57382 | 52.37863 | 18.80481 | 28.57519 | 36.72244 | 3.14862 | 45.19138 | 33.49244 | -0.08138 | 49.55138 | 44.15922 | 10.5854 | 31.6246 |
| 5/29/2025 | 1:00:00 AM | 33.58385 | 52.40009 | 18.81624 | 28.56376 | 36.72244 | 3.13859 | 45.20141 | 33.51425 | -0.0696 | 49.5396 | 44.17708 | 10.59323 | 31.61677 |
| 5/29/2025 | 2:00:00 AM | 33.58385 | 52.42512 | 18.84127 | 28.53873 | 36.72959 | 3.14574 | 45.19426 | 33.53605 | -0.0478 | 49.5178 | 44.19493 | 10.61108 | 31.59892 |
| 5/29/2025 | 3:00:00 AM | 33.5872 | 52.43585 | 18.84865 | 28.53135 | 36.73317 | 3.14597 | 45.19403 | 33.54696 | -0.04024 | 49.51024 | 44.20208 | 10.61488 | 31.59512 |
| 5/29/2025 | 4:00:00 AM | 33.58385 | 52.43942 | 18.85557 | 28.52443 | 36.74033 | 3.15648 | 45.18352 | 33.54696 | -0.03689 | 49.50689 | 44.21993 | 10.63608 | 31.57392 |
| 5/29/2025 | 5:00:00 AM | 33.59054 | 52.46088 | 18.87034 | 28.50966 | 36.74033 | 3.14979 | 45.19021 | 33.56149 | -0.02905 | 49.49905 | 44.21993 | 10.62939 | 31.58061 |
| 5/29/2025 | 6:00:00 AM | 33.59388 | 52.47876 | 18.88488 | 28.49512 | 36.74391 | 3.15003 | 45.18997 | 33.56513 | -0.02875 | 49.49875 | 44.24493 | 10.65105 | 31.55895 |
| 5/29/2025 | 7:00:00 AM | 33.59388 | 52.49664 | 18.90276 | 28.47724 | 36.75465 | 3.16077 | 45.17923 | 33.57966 | -0.01422 | 49.48422 | 44.25207 | 10.65819 | 31.55181 |
| 5/29/2025 | 8:00:00 AM | 33.59388 | 52.50022 | 18.90634 | 28.47366 | 36.76181 | 3.16793 | 45.17207 | 33.5833 | -0.01058 | 49.48058 | 44.25922 | 10.66534 | 31.54466 |
| 5/29/2025 | 9:00:00 AM | 33.60057 | 52.52167 | 18.9211 | 28.4589 | 36.76897 | 3.1684 | 45.1716 | 33.59783 | -0.00274 | 49.47274 | 44.26993 | 10.66936 | 31.54064 |
| 5/29/2025 | 10:00:00 AM | 33.62398 | 52.54313 | 18.91915 | 28.46085 | 36.77613 | 3.15215 | 45.18785 | 33.60874 | -0.01524 | 49.48524 | 44.28064 | 10.65666 | 31.55334 |
| 5/29/2025 | 11:00:00 AM | 33.65408 | 52.57889 | 18.92481 | 28.45519 | 36.78329 | 3.12921 | 45.21079 | 33.63054 | -0.02354 | 49.49354 | 44.2985 | 10.64442 | 31.56558 |
| 5/29/2025 | 12:00:00 PM | 33.70089 | 52.63968 | 18.93879 | 28.44121 | 36.79045 | 3.08956 | 45.25044 | 33.65962 | -0.04127 | 49.51127 | 44.43064 | 10.72975 | 31.48025 |
| 5/29/2025 | 1:00:00 PM | 33.73768 | 52.67902 | 18.94134 | 28.43866 | 36.79761 | 3.05993 | 45.28007 | 33.69232 | -0.04536 | 49.51536 | 44.40921 | 10.67153 | 31.53847 |
| 5/29/2025 | 2:00:00 PM | 33.7778 | 52.71121 | 18.93341 | 28.44659 | 36.80834 | 3.03054 | 45.30946 | 33.72866 | -0.04914 | 49.51914 | 44.41278 | 10.63498 | 31.57502 |
| 5/29/2025 | 3:00:00 PM | 33.80121 | 52.73981 | 18.9386 | 28.4414 | 36.8155 | 3.01429 | 45.32571 | 33.74684 | -0.05437 | 49.52437 | 44.42707 | 10.62586 | 31.58414 |
| 5/29/2025 | 4:00:00 PM | 33.8079 | 52.75412 | 18.94622 | 28.43378 | 36.83698 | 3.02908 | 45.31092 | 33.76501 | -0.04289 | 49.51289 | 44.43421 | 10.62631 | 31.58369 |
| 5/29/2025 | 5:00:00 PM | 33.81459 | 52.75412 | 18.93953 | 28.44047 | 36.8513 | 3.03671 | 45.30329 | 33.78318 | -0.03141 | 49.50141 | 44.44135 | 10.62676 | 31.58324 |
| 5/29/2025 | 6:00:00 PM | 33.81459 | 52.75412 | 18.93953 | 28.44047 | 36.86562 | 3.05103 | 45.28897 | 33.79045 | -0.02414 | 49.49414 | 44.44135 | 10.62676 | 31.58324 |
| 5/29/2025 | 7:00:00 PM | 33.81124 | 52.73624 | 18.925 | 28.455 | 36.87636 | 3.06512 | 45.27488 | 33.78681 | -0.02443 | 49.49443 | 44.44493 | 10.63369 | 31.57631 |
| 5/29/2025 | 8:00:00 PM | 33.80456 | 52.74697 | 18.94241 | 28.43759 | 36.89425 | 3.08969 | 45.25031 | 33.79408 | -0.01048 | 49.48048 | 44.46278 | 10.65822 | 31.55178 |
| 5/29/2025 | 9:00:00 PM | 33.80456 | 52.74339 | 18.93883 | 28.44117 | 36.90857 | 3.10401 | 45.23599 | 33.79408 | -0.01048 | 49.48048 | 44.46992 | 10.66536 | 31.54464 |
| 5/29/2025 | 10:00:00 PM | 33.83465 | 52.77915 | 18.9445 | 28.4355 | 36.91573 | 3.08108 | 45.25892 | 33.80862 | -0.02603 | 49.49603 | 44.50564 | 10.67099 | 31.53901 |
| 5/29/2025 | 11:00:00 PM | 33.83465 | 52.7863 | 18.95165 | 28.42835 | 36.92647 | 3.09182 | 45.24818 | 33.81588 | -0.01877 | 49.48877 | 44.50564 | 10.67099 | 31.53901 |
| 5/30/2025 | 12:00:00 AM | 33.84803 | 52.74339 | 18.89536 | 28.48464 | 36.94079 | 3.09276 | 45.24724 | 33.83042 | -0.01761 | 49.48761 | 44.50564 | 10.65761 | 31.55239 |
| 5/30/2025 | 1:00:00 AM | 33.83465 | 52.74339 | 18.90874 | 28.47126 | 36.94795 | 3.1133 | 45.2267 | 33.83406 | -0.00059 | 49.47059 | 44.50921 | 10.67456 | 31.53544 |
| 5/30/2025 | 2:00:00 AM | 33.82796 | 52.72909 | 18.90113 | 28.47887 | 36.95868 | 3.13072 | 45.20928 | 33.81225 | -0.01571 | 49.48571 | 44.48778 | 10.65982 | 31.55018 |
| 5/30/2025 | 3:00:00 AM | 33.83131 | 52.73981 | 18.9085 | 28.4715 | 36.95868 | 3.12737 | 45.21263 | 33.81588 | -0.01543 | 49.48543 | 44.51992 | 10.68861 | 31.52139 |
| 5/30/2025 | 4:00:00 AM | 33.83131 | 52.73981 | 18.9085 | 28.4715 | 36.96942 | 3.13811 | 45.20189 | 33.82315 | -0.00816 | 49.47816 | 44.51992 | 10.68861 | 31.52139 |
| 5/30/2025 | 5:00:00 AM | 33.83131 | 52.74697 | 18.91566 | 28.46434 | 36.98374 | 3.15243 | 45.18757 | 33.82315 | -0.00816 | 49.47816 | 44.51278 | 10.68147 | 31.52853 |
| 5/30/2025 | 6:00:00 AM | 33.82796 | 52.75054 | 18.92258 | 28.45742 | 36.98374 | 3.15578 | 45.18422 | 33.81952 | -0.00844 | 49.47844 | 44.51635 | 10.68839 | 31.52161 |
| 5/30/2025 | 7:00:00 AM | 33.82796 | 52.75769 | 18.92973 | 28.45027 | 36.99448 | 3.16652 | 45.17348 | 33.81588 | -0.01208 | 49.48208 | 44.50921 | 10.68125 | 31.52875 |
| 5/30/2025 | 8:00:00 AM | 33.82796 | 52.75054 | 18.92258 | 28.45742 | 36.9909 | 3.16294 | 45.17706 | 33.81588 | -0.01208 | 49.48208 | 44.50921 | 10.68125 | 31.52875 |
| 5/30/2025 | 9:00:00 AM | 33.83465 | 52.73624 | 18.90159 | 28.47841 | 37.0088 | 3.17415 | 45.16585 | 33.80862 | -0.02603 | 49.49603 | 44.49849 | 10.66384 | 31.54616 |
| 5/30/2025 | 10:00:00 AM | 33.84134 | 52.73624 | 18.8949 | 28.4851 | 37.0088 | 3.16746 | 45.17254 | 33.79771 | -0.04363 | 49.51363 | 44.50564 | 10.6643 | 31.5457 |
| 5/30/2025 | 11:00:00 AM | 33.84134 | 52.72909 | 18.88775 | 28.49225 | 37.0088 | 3.16746 | 45.17254 | 33.79408 | -0.04726 | 49.51726 | 44.48778 | 10.64644 | 31.56356 |
| 5/30/2025 | 12:00:00 PM | 33.85472 | 52.73266 | 18.87794 | 28.50206 | 37.0088 | 3.15408 | 45.18592 | 33.79771 | -0.05701 | 49.52701 | 44.49492 | 10.6402 | 31.5698 |
| 5/30/2025 | 1:00:00 PM | 33.86809 | 52.71836 | 18.85027 | 28.52973 | 37.0088 | 3.14071 | 45.19929 | 33.79771 | -0.07038 | 49.54038 | 44.47707 | 10.60898 | 31.60102 |
| 5/30/2025 | 2:00:00 PM | 33.87478 | 52.68617 | 18.81139 | 28.56861 | 37.01238 | 3.1376 | 45.2024 | 33.77591 | -0.09887 | 49.56887 | 44.4485 | 10.57372 | 31.63628 |
| 5/30/2025 | 3:00:00 PM | 33.89819 | 52.66114 | 18.76295 | 28.61705 | 37.00522 | 3.10703 | 45.23297 | 33.76137 | -0.13682 | 49.60682 | 44.44493 | 10.54674 | 31.66326 |
| 5/30/2025 | 4:00:00 PM | 33.86809 | 52.63253 | 18.76444 | 28.61556 | 37.00164 | 3.13355 | 45.20645 | 33.73593 | -0.13216 | 49.60216 | 44.42707 | 10.55898 | 31.65102 |
| 5/30/2025 | 5:00:00 PM | 33.84803 | 52.59677 | 18.74874 | 28.63126 | 37.00522 | 3.15719 | 45.18281 | 33.71413 | -0.1339 | 49.6039 | 44.40564 | 10.55761 | 31.65239 |
| 5/30/2025 | 6:00:00 PM | 33.82796 | 52.57889 | 18.75093 | 28.62907 | 36.99806 | 3.1701 | 45.1699 | 33.69959 | -0.12837 | 49.59837 | 44.38421 | 10.55625 | 31.65375 |
| 5/30/2025 | 7:00:00 PM | 33.81459 | 52.55743 | 18.74284 | 28.63716 | 36.99448 | 3.17989 | 45.16011 | 33.68505 | -0.12954 | 49.59954 | 44.38064 | 10.56605 | 31.64395 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/30/2025 | 8:00:00 PM | 33.79787 | 52.53598 | 18.73811 | 28.64189 | 36.9909 | 3.19303 | 45.14697 | 33.66325 | -0.13462 | 49.60462 | 44.36636 | 10.56849 | 31.64151 |
| 5/30/2025 | 9:00:00 PM | 33.78449 | 52.52525 | 18.74076 | 28.63924 | 36.98374 | 3.19925 | 45.14075 | 33.65235 | -0.13214 | 49.60214 | 44.36636 | 10.58187 | 31.62813 |
| 5/30/2025 | 10:00:00 PM | 33.77446 | 52.52167 | 18.74721 | 28.63279 | 36.973 | 3.19854 | 45.14146 | 33.64508 | -0.12938 | 49.59938 | 44.3485 | 10.57404 | 31.63596 |
| 5/30/2025 | 11:00:00 PM | 33.76108 | 52.5324 | 18.77132 | 28.60868 | 36.96584 | 3.20476 | 45.13524 | 33.64508 | -0.116 | 49.586 | 44.34493 | 10.58385 | 31.62615 |
| 5/31/2025 | 12:00:00 AM | 33.75105 | 52.52167 | 18.77062 | 28.60938 | 36.95868 | 3.20763 | 45.13237 | 33.63781 | -0.11324 | 49.58324 | 44.32707 | 10.57602 | 31.63398 |
| 5/31/2025 | 1:00:00 AM | 33.74436 | 52.5324 | 18.78804 | 28.59196 | 36.94795 | 3.20359 | 45.13641 | 33.62691 | -0.11745 | 49.58745 | 44.33064 | 10.58628 | 31.62372 |
| 5/31/2025 | 2:00:00 AM | 33.6942 | 52.43942 | 18.74522 | 28.63478 | 36.94437 | 3.25017 | 45.08983 | 33.63054 | -0.06366 | 49.53366 | 44.3235 | 10.6293 | 31.5807 |
| 5/31/2025 | 3:00:00 AM | 33.68752 | 52.443 | 18.75548 | 28.62452 | 36.93721 | 3.24969 | 45.09031 | 33.62327 | -0.06425 | 49.53425 | 44.31636 | 10.62884 | 31.58116 |
| 5/31/2025 | 4:00:00 AM | 33.67748 | 52.43585 | 18.75837 | 28.62163 | 36.92647 | 3.24899 | 45.09101 | 33.61601 | -0.06147 | 49.53147 | 44.29493 | 10.61745 | 31.59255 |
| 5/31/2025 | 5:00:00 AM | 33.68083 | 52.45373 | 18.7729 | 28.6071 | 36.92289 | 3.24206 | 45.09794 | 33.6051 | -0.07573 | 49.54573 | 44.2985 | 10.61767 | 31.59233 |
| 5/31/2025 | 6:00:00 AM | 33.68417 | 52.47876 | 18.79459 | 28.58541 | 36.91931 | 3.23514 | 45.10486 | 33.60147 | -0.0827 | 49.5527 | 44.30564 | 10.62147 | 31.58853 |
| 5/31/2025 | 7:00:00 AM | 33.68752 | 52.48234 | 18.79482 | 28.58518 | 36.90499 | 3.21747 | 45.12253 | 33.61237 | -0.07515 | 49.54515 | 44.30922 | 10.6217 | 31.5883 |
| 5/31/2025 | 8:00:00 AM | 33.70089 | 52.50737 | 18.80648 | 28.57352 | 36.90141 | 3.20052 | 45.13948 | 33.62327 | -0.07762 | 49.54762 | 44.31636 | 10.61547 | 31.59453 |
| 5/31/2025 | 9:00:00 AM | 33.71761 | 52.52883 | 18.81122 | 28.56878 | 36.89783 | 3.18022 | 45.15978 | 33.63781 | -0.0798 | 49.5498 | 44.31993 | 10.60232 | 31.60768 |
| 5/31/2025 | 10:00:00 AM | 33.73099 | 52.55028 | 18.81929 | 28.56071 | 36.89783 | 3.16684 | 45.17316 | 33.64508 | -0.08591 | 49.55591 | 44.33779 | 10.6068 | 31.6032 |
| 5/31/2025 | 11:00:00 AM | 33.75105 | 52.59319 | 18.84214 | 28.53786 | 36.90141 | 3.15036 | 45.18964 | 33.67052 | -0.08053 | 49.55053 | 44.36279 | 10.61174 | 31.59826 |
| 5/31/2025 | 12:00:00 PM | 33.75774 | 52.6218 | 18.86406 | 28.51594 | 36.90141 | 3.14367 | 45.19633 | 33.70323 | -0.05451 | 49.52451 | 44.36993 | 10.61219 | 31.59781 |
| 5/31/2025 | 1:00:00 PM | 33.75774 | 52.65399 | 18.89625 | 28.48375 | 36.90141 | 3.14367 | 45.19633 | 33.7214 | -0.03634 | 49.50634 | 44.39136 | 10.63362 | 31.57638 |
| 5/31/2025 | 2:00:00 PM | 33.76777 | 52.64326 | 18.87549 | 28.50451 | 36.90857 | 3.1408 | 45.1992 | 33.7214 | -0.04637 | 49.51637 | 44.3735 | 10.60573 | 31.60427 |
| 5/31/2025 | 3:00:00 PM | 33.76777 | 52.67544 | 18.90767 | 28.47233 | 36.91573 | 3.14796 | 45.19204 | 33.73957 | -0.0282 | 49.4982 | 44.3985 | 10.63073 | 31.57927 |
| 5/31/2025 | 4:00:00 PM | 33.78115 | 52.6826 | 18.90145 | 28.47855 | 36.91931 | 3.13816 | 45.20184 | 33.7541 | -0.02705 | 49.49705 | 44.40921 | 10.62806 | 31.58194 |
| 5/31/2025 | 5:00:00 PM | 33.79118 | 52.69332 | 18.90214 | 28.47786 | 36.91931 | 3.12813 | 45.21187 | 33.75774 | -0.03344 | 49.50344 | 44.40921 | 10.61803 | 31.59197 |
| 5/31/2025 | 6:00:00 PM | 33.79787 | 52.6969 | 18.89903 | 28.48097 | 36.93005 | 3.13218 | 45.20782 | 33.76137 | -0.0365 | 49.5065 | 44.41993 | 10.62206 | 31.58794 |
| 5/31/2025 | 7:00:00 PM | 33.79787 | 52.70763 | 18.90976 | 28.47024 | 36.94437 | 3.1465 | 45.1935 | 33.76864 | -0.02923 | 49.49923 | 44.43421 | 10.63634 | 31.57366 |
| 5/31/2025 | 8:00:00 PM | 33.80121 | 52.72551 | 18.9243 | 28.4557 | 36.94079 | 3.13958 | 45.20042 | 33.77591 | -0.0253 | 49.4953 | 44.44493 | 10.64372 | 31.56628 |
| 5/31/2025 | 9:00:00 PM | 33.81124 | 52.73624 | 18.925 | 28.455 | 36.94437 | 3.13313 | 45.20687 | 33.78681 | -0.02443 | 49.49443 | 44.45921 | 10.64797 | 31.56203 |
| 5/31/2025 | 10:00:00 PM | 33.83465 | 52.76842 | 18.93377 | 28.44623 | 36.95868 | 3.12403 | 45.21597 | 33.80498 | -0.02967 | 49.49967 | 44.48064 | 10.64599 | 31.56401 |
| 5/31/2025 | 11:00:00 PM | 33.82796 | 52.77915 | 18.95119 | 28.42881 | 36.96584 | 3.13788 | 45.20212 | 33.81588 | -0.01208 | 49.48208 | 44.48064 | 10.65268 | 31.55732 |
| 6/1/2025 | 12:00:00 AM | 33.83465 | 52.78988 | 18.95523 | 28.42477 | 36.96942 | 3.13477 | 45.20523 | 33.83042 | -0.00423 | 49.47423 | 44.48778 | 10.65313 | 31.55687 |
| 6/1/2025 | 1:00:00 AM | 33.84803 | 52.78988 | 18.94185 | 28.43815 | 36.98016 | 3.13213 | 45.20787 | 33.83042 | -0.01761 | 49.48761 | 44.49849 | 10.65046 | 31.55954 |
| 6/1/2025 | 2:00:00 AM | 33.85472 | 52.80776 | 18.95304 | 28.42696 | 36.98374 | 3.12902 | 45.21098 | 33.83769 | -0.01703 | 49.48703 | 44.50921 | 10.65449 | 31.55551 |
| 6/1/2025 | 3:00:00 AM | 33.8614 | 52.81491 | 18.95351 | 28.42649 | 36.9909 | 3.1295 | 45.2105 | 33.84859 | -0.01281 | 49.48281 | 44.51278 | 10.65138 | 31.55862 |
| 6/1/2025 | 4:00:00 AM | 33.85806 | 52.81133 | 18.95327 | 28.42673 | 37.00522 | 3.14716 | 45.19284 | 33.84496 | -0.0131 | 49.4831 | 44.52349 | 10.66543 | 31.54457 |
| 6/1/2025 | 5:00:00 AM | 33.87478 | 52.82922 | 18.95444 | 28.42556 | 37.0088 | 3.13402 | 45.20598 | 33.86676 | -0.00802 | 49.47802 | 44.53421 | 10.65943 | 31.55057 |
| 6/1/2025 | 6:00:00 AM | 33.88816 | 52.83994 | 18.95178 | 28.42822 | 37.01238 | 3.12422 | 45.21578 | 33.87403 | -0.01413 | 49.48413 | 44.54135 | 10.65319 | 31.55681 |
| 6/1/2025 | 7:00:00 AM | 33.90153 | 52.8614 | 18.95987 | 28.42013 | 37.0267 | 3.12517 | 45.21483 | 33.88493 | -0.0166 | 49.4866 | 44.54849 | 10.64696 | 31.56304 |
| 6/1/2025 | 8:00:00 AM | 33.90153 | 52.85067 | 18.94914 | 28.43086 | 37.02312 | 3.12159 | 45.21841 | 33.88493 | -0.0166 | 49.4866 | 44.54492 | 10.64339 | 31.56661 |
| 6/1/2025 | 9:00:00 AM | 33.90822 | 52.8614 | 18.95318 | 28.42682 | 37.03385 | 3.12563 | 45.21437 | 33.8813 | -0.02692 | 49.49692 | 44.55921 | 10.65099 | 31.55901 |
| 6/1/2025 | 10:00:00 AM | 33.91156 | 52.85067 | 18.93911 | 28.44089 | 37.04101 | 3.12945 | 45.21055 | 33.88493 | -0.02663 | 49.49663 | 44.54492 | 10.63336 | 31.57664 |
| 6/1/2025 | 11:00:00 AM | 33.91491 | 52.8471 | 18.93219 | 28.44781 | 37.04817 | 3.13326 | 45.20674 | 33.87767 | -0.03724 | 49.50724 | 44.54135 | 10.62644 | 31.58356 |
| 6/1/2025 | 12:00:00 PM | 33.91156 | 52.82564 | 18.91408 | 28.46592 | 37.05175 | 3.14019 | 45.19981 | 33.87767 | -0.03389 | 49.50389 | 44.54135 | 10.62979 | 31.58021 |
| 6/1/2025 | 1:00:00 PM | 33.91491 | 52.81133 | 18.89642 | 28.48358 | 37.06249 | 3.14758 | 45.19242 | 33.86676 | -0.04815 | 49.51815 | 44.53778 | 10.62287 | 31.58713 |
| 6/1/2025 | 2:00:00 PM | 33.93497 | 52.81133 | 18.87636 | 28.50364 | 37.06249 | 3.12752 | 45.21248 | 33.86313 | -0.07184 | 49.54184 | 44.53421 | 10.59924 | 31.61076 |
| 6/1/2025 | 3:00:00 PM | 33.97844 | 52.80418 | 18.82574 | 28.55426 | 37.06249 | 3.08405 | 45.25595 | 33.85586 | -0.12258 | 49.59258 | 44.53064 | 10.5522 | 31.6578 |
| 6/1/2025 | 4:00:00 PM | 33.95504 | 52.76842 | 18.81338 | 28.56662 | 37.06249 | 3.10745 | 45.23255 | 33.84496 | -0.11008 | 49.58008 | 44.51278 | 10.55774 | 31.65226 |
| 6/1/2025 | 5:00:00 PM | 33.87144 | 52.58604 | 18.7146 | 28.6654 | 37.06249 | 3.19105 | 45.14895 | 33.82679 | -0.04465 | 49.51465 | 44.50921 | 10.63777 | 31.57223 |
| 6/1/2025 | 6:00:00 PM | 33.86475 | 52.57174 | 18.70699 | 28.67301 | 37.06249 | 3.19774 | 45.14226 | 33.82679 | -0.03796 | 49.50796 | 44.49492 | 10.63017 | 31.57983 |
| 6/1/2025 | 7:00:00 PM | 33.85137 | 52.55743 | 18.70606 | 28.67394 | 37.06249 | 3.21112 | 45.12888 | 33.81952 | -0.03185 | 49.50185 | 44.49849 | 10.64712 | 31.56288 |
| 6/1/2025 | 8:00:00 PM | 33.8614 | 52.57531 | 18.71391 | 28.66609 | 37.06249 | 3.20109 | 45.13891 | 33.81952 | -0.04188 | 49.51188 | 44.50564 | 10.64424 | 31.56576 |
| 6/1/2025 | 9:00:00 PM | 33.85137 | 52.58247 | 18.7311 | 28.6489 | 37.05891 | 3.20754 | 45.13246 | 33.83042 | -0.02095 | 49.49095 | 44.50564 | 10.65427 | 31.55573 |
| 6/1/2025 | 10:00:00 PM | 33.84803 | 52.61108 | 18.76305 | 28.61695 | 37.05891 | 3.21088 | 45.12912 | 33.83769 | -0.01034 | 49.48034 | 44.52349 | 10.67546 | 31.53454 |
| 6/1/2025 | 11:00:00 PM | 33.85472 | 52.6218 | 18.76708 | 28.61292 | 37.05891 | 3.20419 | 45.13581 | 33.85223 | -0.00249 | 49.47249 | 44.51992 | 10.6652 | 31.5448 |
| 6/2/2025 | 12:00:00 AM | 33.85806 | 52.6218 | 18.76374 | 28.61626 | 37.05533 | 3.19727 | 45.14273 | 33.85586 | -0.0022 | 49.4722 | 44.51278 | 10.65472 | 31.55528 |
| 6/2/2025 | 1:00:00 AM | 33.87144 | 52.63611 | 18.76467 | 28.61533 | 37.06249 | 3.19105 | 45.14895 | 33.85586 | -0.01558 | 49.48558 | 44.51992 | 10.64848 | 31.56152 |
| 6/2/2025 | 2:00:00 AM | 33.86809 | 52.63611 | 18.76802 | 28.61198 | 37.06607 | 3.19798 | 45.14202 | 33.86313 | -0.00496 | 49.47496 | 44.53064 | 10.66255 | 31.54745 |
| 6/2/2025 | 3:00:00 AM | 33.85806 | 52.63968 | 18.78162 | 28.59838 | 37.06965 | 3.21159 | 45.12841 | 33.86313 | 0.00507 | 49.46493 | 44.52707 | 10.66901 | 31.54099 |
| 6/2/2025 | 4:00:00 AM | 33.85806 | 52.63968 | 18.78162 | 28.59838 | 37.06965 | 3.21159 | 45.12841 | 33.85949 | 0.00143 | 49.46857 | 44.51635 | 10.65829 | 31.55171 |
| 6/2/2025 | 5:00:00 AM | 33.85806 | 52.65399 | 18.79593 | 28.58407 | 37.06607 | 3.20801 | 45.13199 | 33.85949 | 0.00143 | 49.46857 | 44.52349 | 10.66543 | 31.54457 |
| 6/2/2025 | 6:00:00 AM | 33.85472 | 52.65399 | 18.79927 | 28.58073 | 37.06965 | 3.21493 | 45.12507 | 33.85949 | 0.00477 | 49.46523 | 44.53064 | 10.67592 | 31.53408 |
| 6/2/2025 | 7:00:00 AM | 33.8614 | 52.66114 | 18.79974 | 28.58026 | 37.06607 | 3.20467 | 45.13533 | 33.85949 | -0.00191 | 49.47191 | 44.52707 | 10.66567 | 31.54433 |
| 6/2/2025 | 8:00:00 AM | 33.86809 | 52.66114 | 18.79305 | 28.58695 | 37.07323 | 3.20514 | 45.13486 | 33.85949 | -0.0086 | 49.4786 | 44.53064 | 10.66255 | 31.54745 |
| 6/2/2025 | 9:00:00 AM | 33.87144 | 52.67544 | 18.804 | 28.576 | 37.07681 | 3.20537 | 45.13463 | 33.86676 | -0.00468 | 49.47468 | 44.52707 | 10.65563 | 31.55437 |
| 6/2/2025 | 10:00:00 AM | 33.87812 | 52.67544 | 18.79732 | 28.58268 | 37.06965 | 3.19153 | 45.14847 | 33.85586 | -0.02226 | 49.49226 | 44.53421 | 10.65609 | 31.55391 |
| 6/2/2025 | 11:00:00 AM | 33.88816 | 52.66829 | 18.78013 | 28.59987 | 37.07681 | 3.18865 | 45.15135 | 33.85586 | -0.0323 | 49.5023 | 44.51992 | 10.63176 | 31.57824 |
| 6/2/2025 | 12:00:00 PM | 33.88481 | 52.64684 | 18.76203 | 28.61797 | 37.07681 | 3.192 | 45.148 | 33.83769 | -0.04712 | 49.51712 | 44.49849 | 10.61368 | 31.59632 |
| 6/2/2025 | 1:00:00 PM | 33.89819 | 52.63968 | 18.74149 | 28.63851 | 37.06965 | 3.17146 | 45.16854 | 33.84132 | -0.05687 | 49.52687 | 44.51278 | 10.61459 | 31.59541 |
| 6/2/2025 | 2:00:00 PM | 33.91491 | 52.63253 | 18.71762 | 28.66238 | 37.07323 | 3.15832 | 45.18168 | 33.82315 | -0.09176 | 49.56176 | 44.49492 | 10.58001 | 31.62999 |
| 6/2/2025 | 3:00:00 PM | 33.95838 | 52.61108 | 18.6527 | 28.7273 | 37.06965 | 3.11127 | 45.22873 | 33.81952 | -0.13886 | 49.60886 | 44.48421 | 10.52583 | 31.68417 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/2/2025 | 4:00:00 PM | 33.93163 | 52.59677 | 18.66514 | 28.71486 | 37.07323 | 3.1416 | 45.1984 | 33.81225 | -0.11938 | 49.58938 | 44.48064 | 10.54901 | 31.66099 |
| 6/2/2025 | 5:00:00 PM | 33.92828 | 52.58962 | 18.66134 | 28.71866 | 37.06965 | 3.14137 | 45.19863 | 33.80862 | -0.11966 | 49.58966 | 44.46992 | 10.54164 | 31.66836 |
| 6/2/2025 | 6:00:00 PM | 33.90822 | 52.56816 | 18.65994 | 28.72006 | 37.06249 | 3.15427 | 45.18573 | 33.79408 | -0.11414 | 49.58414 | 44.45921 | 10.55099 | 31.65901 |
| 6/2/2025 | 7:00:00 PM | 33.90488 | 52.56101 | 18.65613 | 28.72387 | 37.05891 | 3.15403 | 45.18597 | 33.79045 | -0.11443 | 49.58443 | 44.45564 | 10.55076 | 31.65924 |
| 6/2/2025 | 8:00:00 PM | 33.90153 | 52.56101 | 18.65948 | 28.72052 | 37.05175 | 3.15022 | 45.18978 | 33.78681 | -0.11472 | 49.58472 | 44.45921 | 10.55768 | 31.65232 |
| 6/2/2025 | 9:00:00 PM | 33.88816 | 52.55743 | 18.66927 | 28.71073 | 37.04459 | 3.15643 | 45.18357 | 33.79045 | -0.09771 | 49.56771 | 44.45564 | 10.56748 | 31.64252 |
| 6/2/2025 | 10:00:00 PM | 33.88147 | 52.56816 | 18.68669 | 28.69331 | 37.04459 | 3.16312 | 45.17688 | 33.79408 | -0.08739 | 49.55739 | 44.46635 | 10.58488 | 31.62512 |
| 6/2/2025 | 11:00:00 PM | 33.87478 | 52.58604 | 18.71126 | 28.66874 | 37.04459 | 3.16981 | 45.17019 | 33.79771 | -0.07707 | 49.54707 | 44.46278 | 10.588 | 31.622 |
| 6/3/2025 | 12:00:00 AM | 33.86809 | 52.60035 | 18.73226 | 28.64774 | 37.04101 | 3.17292 | 45.16708 | 33.80498 | -0.06311 | 49.53311 | 44.48064 | 10.61255 | 31.59745 |
| 6/3/2025 | 1:00:00 AM | 33.86809 | 52.60035 | 18.73226 | 28.64774 | 37.03385 | 3.16576 | 45.17424 | 33.81225 | -0.05584 | 49.52584 | 44.46278 | 10.59469 | 31.61531 |
| 6/3/2025 | 2:00:00 AM | 33.85806 | 52.6075 | 18.74944 | 28.63056 | 37.03743 | 3.17937 | 45.16063 | 33.81225 | -0.04581 | 49.51581 | 44.46278 | 10.60472 | 31.60528 |
| 6/3/2025 | 3:00:00 AM | 33.84803 | 52.6075 | 18.75947 | 28.62053 | 37.03743 | 3.1894 | 45.1506 | 33.80862 | -0.03941 | 49.50941 | 44.46278 | 10.61475 | 31.59525 |
| 6/3/2025 | 4:00:00 AM | 33.85137 | 52.61823 | 18.76686 | 28.61314 | 37.03385 | 3.18248 | 45.15752 | 33.81952 | -0.03185 | 49.50185 | 44.46992 | 10.61855 | 31.59145 |
| 6/3/2025 | 5:00:00 AM | 33.84134 | 52.62538 | 18.78404 | 28.59596 | 37.03385 | 3.19251 | 45.14749 | 33.81952 | -0.02182 | 49.49182 | 44.4735 | 10.63216 | 31.57784 |
| 6/3/2025 | 6:00:00 AM | 33.838 | 52.63611 | 18.79811 | 28.58189 | 37.03743 | 3.19943 | 45.14057 | 33.81588 | -0.02212 | 49.49212 | 44.47707 | 10.63907 | 31.57093 |
| 6/3/2025 | 7:00:00 AM | 33.84134 | 52.64684 | 18.8055 | 28.5745 | 37.04101 | 3.19967 | 45.14033 | 33.82315 | -0.01819 | 49.48819 | 44.48064 | 10.6393 | 31.5707 |
| 6/3/2025 | 8:00:00 AM | 33.84803 | 52.64326 | 18.79523 | 28.58477 | 37.04101 | 3.19298 | 45.14702 | 33.83042 | -0.01761 | 49.48761 | 44.48064 | 10.63261 | 31.57739 |
| 6/3/2025 | 9:00:00 AM | 33.84468 | 52.65399 | 18.80931 | 28.57069 | 37.03743 | 3.19275 | 45.14725 | 33.82679 | -0.01789 | 49.48789 | 44.48421 | 10.63953 | 31.57047 |
| 6/3/2025 | 10:00:00 AM | 33.85806 | 52.65041 | 18.79235 | 28.58765 | 37.04817 | 3.19011 | 45.14989 | 33.82315 | -0.03491 | 49.50491 | 44.47707 | 10.61901 | 31.59099 |
| 6/3/2025 | 11:00:00 AM | 33.86475 | 52.64326 | 18.77851 | 28.60149 | 37.04101 | 3.17626 | 45.16374 | 33.81588 | -0.04887 | 49.51887 | 44.4735 | 10.60875 | 31.60125 |
| 6/3/2025 | 12:00:00 PM | 33.86809 | 52.63253 | 18.76444 | 28.61556 | 37.04101 | 3.17292 | 45.16708 | 33.80862 | -0.05947 | 49.52947 | 44.45564 | 10.58755 | 31.62245 |
| 6/3/2025 | 1:00:00 PM | 33.88147 | 52.61108 | 18.72961 | 28.65039 | 37.03743 | 3.15596 | 45.18404 | 33.79408 | -0.08739 | 49.55739 | 44.44135 | 10.55988 | 31.65012 |
| 6/3/2025 | 2:00:00 PM | 33.89819 | 52.59677 | 18.69858 | 28.68142 | 37.03743 | 3.13924 | 45.20076 | 33.77954 | -0.11865 | 49.58865 | 44.4485 | 10.55031 | 31.65969 |
| 6/3/2025 | 3:00:00 PM | 33.89819 | 52.55386 | 18.65567 | 28.72433 | 37.0267 | 3.12851 | 45.21149 | 33.76137 | -0.13682 | 49.60682 | 44.4235 | 10.52531 | 31.68469 |
| 6/3/2025 | 4:00:00 PM | 33.87812 | 52.54313 | 18.66501 | 28.71499 | 37.03385 | 3.15573 | 45.18427 | 33.74684 | -0.13128 | 49.60128 | 44.41635 | 10.53823 | 31.67177 |
| 6/3/2025 | 5:00:00 PM | 33.8614 | 52.52525 | 18.66385 | 28.71615 | 37.0267 | 3.1653 | 45.1747 | 33.73593 | -0.12547 | 49.59547 | 44.40564 | 10.54424 | 31.66576 |
| 6/3/2025 | 6:00:00 PM | 33.838 | 52.49664 | 18.65864 | 28.72136 | 37.01596 | 3.17796 | 45.16204 | 33.71413 | -0.12387 | 49.59387 | 44.38778 | 10.54978 | 31.66022 |
| 6/3/2025 | 7:00:00 PM | 33.83131 | 52.48591 | 18.6546 | 28.7254 | 37.0088 | 3.17749 | 45.16251 | 33.71049 | -0.12082 | 49.59082 | 44.37707 | 10.54576 | 31.66424 |
| 6/3/2025 | 8:00:00 PM | 33.83465 | 52.48949 | 18.65484 | 28.72516 | 37.00164 | 3.16699 | 45.17301 | 33.71049 | -0.12416 | 49.59416 | 44.39136 | 10.55671 | 31.65329 |
| 6/3/2025 | 9:00:00 PM | 33.81459 | 52.48591 | 18.67132 | 28.70868 | 36.99448 | 3.17989 | 45.16011 | 33.70686 | -0.10773 | 49.57773 | 44.37707 | 10.56248 | 31.64752 |
| 6/3/2025 | 10:00:00 PM | 33.8079 | 52.48591 | 18.67801 | 28.70199 | 36.9909 | 3.183 | 45.157 | 33.70686 | -0.10104 | 49.57104 | 44.37707 | 10.56917 | 31.64083 |
| 6/3/2025 | 11:00:00 PM | 33.79452 | 52.49307 | 18.69855 | 28.68145 | 36.98732 | 3.1928 | 45.1472 | 33.71776 | -0.07676 | 49.54676 | 44.36993 | 10.57541 | 31.63459 |
| 6/4/2025 | 12:00:00 AM | 33.78784 | 52.49664 | 18.7088 | 28.6712 | 36.97658 | 3.18874 | 45.15126 | 33.70686 | -0.08098 | 49.55098 | 44.35921 | 10.57137 | 31.63863 |
| 6/4/2025 | 1:00:00 AM | 33.78115 | 52.50022 | 18.71907 | 28.66093 | 36.973 | 3.19185 | 45.14815 | 33.69232 | -0.08883 | 49.55883 | 44.35921 | 10.57806 | 31.63194 |
| 6/4/2025 | 2:00:00 AM | 33.7778 | 52.50022 | 18.72242 | 28.65758 | 36.96584 | 3.18804 | 45.15196 | 33.69596 | -0.08184 | 49.55184 | 44.36279 | 10.58499 | 31.62501 |
| 6/4/2025 | 3:00:00 AM | 33.78115 | 52.5181 | 18.73695 | 28.64305 | 36.96226 | 3.18111 | 45.15889 | 33.70323 | -0.07792 | 49.54792 | 44.36636 | 10.58521 | 31.62479 |
| 6/4/2025 | 4:00:00 AM | 33.7778 | 52.52167 | 18.74387 | 28.63613 | 36.9551 | 3.1773 | 45.1627 | 33.70323 | -0.07457 | 49.54457 | 44.35921 | 10.58141 | 31.62859 |
| 6/4/2025 | 5:00:00 AM | 33.77446 | 52.52883 | 18.75437 | 28.62563 | 36.95153 | 3.17707 | 45.16293 | 33.70323 | -0.07123 | 49.54123 | 44.35564 | 10.58118 | 31.62882 |
| 6/4/2025 | 6:00:00 AM | 33.78449 | 52.5324 | 18.74791 | 28.63209 | 36.95153 | 3.16704 | 45.17296 | 33.71413 | -0.07036 | 49.54036 | 44.35207 | 10.56758 | 31.64242 |
| 6/4/2025 | 7:00:00 AM | 33.79118 | 52.55028 | 18.7591 | 28.6209 | 36.95153 | 3.16035 | 45.17965 | 33.70323 | -0.08795 | 49.55795 | 44.36636 | 10.57518 | 31.63482 |
| 6/4/2025 | 8:00:00 AM | 33.79118 | 52.55386 | 18.76268 | 28.61732 | 36.94795 | 3.15677 | 45.18323 | 33.71049 | -0.08069 | 49.55069 | 44.35921 | 10.56803 | 31.64197 |
| 6/4/2025 | 9:00:00 AM | 33.79452 | 52.55386 | 18.75934 | 28.62066 | 36.94437 | 3.14985 | 45.19015 | 33.69596 | -0.09856 | 49.56856 | 44.3485 | 10.55398 | 31.65602 |
| 6/4/2025 | 10:00:00 AM | 33.79452 | 52.55028 | 18.75576 | 28.62424 | 36.94079 | 3.14627 | 45.19373 | 33.69596 | -0.09856 | 49.56856 | 44.34493 | 10.55041 | 31.65959 |
| 6/4/2025 | 11:00:00 AM | 33.80456 | 52.55386 | 18.7493 | 28.6307 | 36.94437 | 3.13981 | 45.20019 | 33.69596 | -0.1086 | 49.5786 | 44.35207 | 10.54751 | 31.66249 |
| 6/4/2025 | 12:00:00 PM | 33.76443 | 52.45015 | 18.68572 | 28.69428 | 36.93363 | 3.1692 | 45.1708 | 33.69232 | -0.07211 | 49.54211 | 44.34493 | 10.5805 | 31.6295 |
| 6/4/2025 | 1:00:00 PM | 33.77112 | 52.43942 | 18.6683 | 28.7117 | 36.93005 | 3.15893 | 45.18107 | 33.69232 | -0.0788 | 49.5488 | 44.33064 | 10.55952 | 31.65048 |
| 6/4/2025 | 2:00:00 PM | 33.77446 | 52.43227 | 18.65781 | 28.72219 | 36.93005 | 3.15559 | 45.18441 | 33.67779 | -0.09667 | 49.56667 | 44.32707 | 10.55261 | 31.65739 |
| 6/4/2025 | 3:00:00 PM | 33.77446 | 52.41439 | 18.63993 | 28.74007 | 36.92647 | 3.15201 | 45.18799 | 33.67415 | -0.10031 | 49.57031 | 44.31993 | 10.54547 | 31.66453 |
| 6/4/2025 | 4:00:00 PM | 33.7778 | 52.38936 | 18.61156 | 28.76844 | 36.92647 | 3.14867 | 45.19133 | 33.66325 | -0.11455 | 49.58455 | 44.30922 | 10.53142 | 31.67858 |
| 6/4/2025 | 5:00:00 PM | 33.77446 | 52.37863 | 18.60417 | 28.77583 | 36.91573 | 3.14127 | 45.19873 | 33.64871 | -0.12575 | 49.59575 | 44.30207 | 10.52761 | 31.68239 |
| 6/4/2025 | 6:00:00 PM | 33.77446 | 52.3679 | 18.59344 | 28.78656 | 36.90857 | 3.13411 | 45.20589 | 33.63418 | -0.14028 | 49.61028 | 44.28064 | 10.50618 | 31.70382 |
| 6/4/2025 | 7:00:00 PM | 33.76108 | 52.3536 | 18.59252 | 28.78748 | 36.90141 | 3.14033 | 45.19967 | 33.61964 | -0.14144 | 49.61144 | 44.28064 | 10.51956 | 31.69044 |
| 6/4/2025 | 8:00:00 PM | 33.75105 | 52.3536 | 18.60255 | 28.77745 | 36.90141 | 3.15036 | 45.18964 | 33.62327 | -0.12778 | 49.59778 | 44.28064 | 10.52959 | 31.68041 |
| 6/4/2025 | 9:00:00 PM | 33.74771 | 52.36075 | 18.61304 | 28.76696 | 36.89425 | 3.14654 | 45.19346 | 33.62691 | -0.1208 | 49.5908 | 44.28422 | 10.53651 | 31.67349 |
| 6/4/2025 | 10:00:00 PM | 33.74436 | 52.3679 | 18.62354 | 28.75646 | 36.89067 | 3.14631 | 45.19369 | 33.63054 | -0.11382 | 49.58382 | 44.29136 | 10.547 | 31.663 |
| 6/4/2025 | 11:00:00 PM | 33.74102 | 52.37148 | 18.63046 | 28.74954 | 36.88709 | 3.14607 | 45.19393 | 33.63781 | -0.10321 | 49.57321 | 44.29136 | 10.55034 | 31.65966 |
| 6/5/2025 | 12:00:00 AM | 33.73099 | 52.37505 | 18.64406 | 28.73594 | 36.87993 | 3.14894 | 45.19106 | 33.64144 | -0.08955 | 49.55955 | 44.28779 | 10.5568 | 31.6532 |
| 6/5/2025 | 1:00:00 AM | 33.72096 | 52.37505 | 18.65409 | 28.72591 | 36.87993 | 3.15897 | 45.18103 | 33.63781 | -0.08315 | 49.55315 | 44.28422 | 10.56326 | 31.64674 |
| 6/5/2025 | 2:00:00 AM | 33.72764 | 52.39294 | 18.6653 | 28.7147 | 36.87636 | 3.14872 | 45.19128 | 33.64508 | -0.08256 | 49.55256 | 44.29136 | 10.56372 | 31.64628 |
| 6/5/2025 | 3:00:00 AM | 33.71761 | 52.40366 | 18.68605 | 28.69395 | 36.87636 | 3.15875 | 45.18125 | 33.64144 | -0.07617 | 49.54617 | 44.28064 | 10.56303 | 31.64697 |
| 6/5/2025 | 4:00:00 AM | 33.71761 | 52.40366 | 18.68605 | 28.69395 | 36.87636 | 3.15875 | 45.18125 | 33.64871 | -0.0689 | 49.5389 | 44.29493 | 10.57732 | 31.63268 |
| 6/5/2025 | 5:00:00 AM | 33.71761 | 52.41797 | 18.70036 | 28.67964 | 36.86562 | 3.14801 | 45.19199 | 33.64871 | -0.0689 | 49.5389 | 44.29493 | 10.57732 | 31.63268 |
| 6/5/2025 | 6:00:00 AM | 33.71092 | 52.43585 | 18.72493 | 28.65507 | 36.87636 | 3.16544 | 45.17456 | 33.65235 | -0.05857 | 49.52857 | 44.30207 | 10.59115 | 31.61885 |
| 6/5/2025 | 7:00:00 AM | 33.71761 | 52.443 | 18.72539 | 28.65461 | 36.86562 | 3.14801 | 45.19199 | 33.65962 | -0.05799 | 49.52799 | 44.30564 | 10.58803 | 31.62197 |
| 6/5/2025 | 8:00:00 AM | 33.7243 | 52.45373 | 18.72943 | 28.65057 | 36.8692 | 3.1449 | 45.1951 | 33.67052 | -0.05378 | 49.52378 | 44.30922 | 10.58492 | 31.62508 |
| 6/5/2025 | 9:00:00 AM | 33.73099 | 52.45373 | 18.72274 | 28.65726 | 36.87278 | 3.14179 | 45.19821 | 33.67052 | -0.06047 | 49.53047 | 44.30207 | 10.57108 | 31.63892 |
| 6/5/2025 | 10:00:00 AM | 33.73099 | 52.45015 | 18.71916 | 28.66084 | 36.8692 | 3.13821 | 45.20179 | 33.66325 | -0.06774 | 49.53774 | 44.29136 | 10.56037 | 31.64963 |
| 6/5/2025 | 11:00:00 AM | 33.73433 | 52.44658 | 18.71225 | 28.66775 | 36.86204 | 3.12771 | 45.21229 | 33.66688 | -0.06745 | 49.53745 | 44.29136 | 10.55703 | 31.65297 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/5/2025 | 12:00:00 PM | 33.74436 | 52.43942 | 18.69506 | 28.68494 | 36.87278 | 3.12842 | 45.21158 | 33.64508 | -0.09928 | 49.56928 | 44.2985 | 10.55414 | 31.65586 |
| 6/5/2025 | 1:00:00 PM | 33.7544 | 52.42154 | 18.66714 | 28.71286 | 36.86562 | 3.11122 | 45.22878 | 33.64871 | -0.10569 | 49.57569 | 44.28064 | 10.52624 | 31.68376 |
| 6/5/2025 | 2:00:00 PM | 33.76108 | 52.40009 | 18.63901 | 28.74099 | 36.86204 | 3.10096 | 45.23904 | 33.62691 | -0.13417 | 49.60417 | 44.26993 | 10.50885 | 31.70115 |
| 6/5/2025 | 3:00:00 PM | 33.74771 | 52.37505 | 18.62734 | 28.75266 | 36.86204 | 3.11433 | 45.22567 | 33.61601 | -0.1317 | 49.6017 | 44.25207 | 10.50436 | 31.70564 |
| 6/5/2025 | 4:00:00 PM | 33.72096 | 52.36075 | 18.63979 | 28.74021 | 36.86204 | 3.14108 | 45.19892 | 33.6051 | -0.11586 | 49.58586 | 44.25207 | 10.53111 | 31.67889 |
| 6/5/2025 | 5:00:00 PM | 33.72096 | 52.34645 | 18.62549 | 28.75451 | 36.85488 | 3.13392 | 45.20608 | 33.58693 | -0.13403 | 49.60403 | 44.24493 | 10.52397 | 31.68603 |
| 6/5/2025 | 6:00:00 PM | 33.71427 | 52.33572 | 18.62145 | 28.75855 | 36.84414 | 3.12987 | 45.21013 | 33.57966 | -0.13461 | 49.60461 | 44.23779 | 10.52352 | 31.68648 |
| 6/5/2025 | 7:00:00 PM | 33.70758 | 52.33572 | 18.62814 | 28.75186 | 36.84414 | 3.13656 | 45.20344 | 33.58693 | -0.12065 | 49.59065 | 44.24493 | 10.53735 | 31.67265 |
| 6/5/2025 | 8:00:00 PM | 33.71092 | 52.34287 | 18.63195 | 28.74805 | 36.8334 | 3.12248 | 45.21752 | 33.59783 | -0.11309 | 49.58309 | 44.2485 | 10.53758 | 31.67242 |
| 6/5/2025 | 9:00:00 PM | 33.6942 | 52.33929 | 18.64509 | 28.73491 | 36.82624 | 3.13204 | 45.20796 | 33.5942 | -0.1 | 49.57 | 44.24493 | 10.55073 | 31.65927 |
| 6/5/2025 | 10:00:00 PM | 33.68417 | 52.33929 | 18.65512 | 28.72488 | 36.82624 | 3.14207 | 45.19793 | 33.59783 | -0.08634 | 49.55634 | 44.23779 | 10.55362 | 31.65638 |
| 6/5/2025 | 11:00:00 PM | 33.67414 | 52.34645 | 18.67231 | 28.70769 | 36.82624 | 3.1521 | 45.1879 | 33.60874 | -0.0654 | 49.5354 | 44.24493 | 10.57079 | 31.63921 |
| 6/6/2025 | 12:00:00 AM | 33.66076 | 52.34645 | 18.68569 | 28.69431 | 36.81908 | 3.15832 | 45.18168 | 33.6051 | -0.05566 | 49.52566 | 44.24493 | 10.58417 | 31.62583 |
| 6/6/2025 | 1:00:00 AM | 33.65408 | 52.33572 | 18.68164 | 28.69836 | 36.82266 | 3.16858 | 45.17142 | 33.60147 | -0.05261 | 49.52261 | 44.23065 | 10.57657 | 31.63343 |
| 6/6/2025 | 2:00:00 AM | 33.6407 | 52.33214 | 18.69144 | 28.68856 | 36.81908 | 3.17838 | 45.16162 | 33.5942 | -0.0465 | 49.5165 | 44.2235 | 10.5828 | 31.6272 |
| 6/6/2025 | 3:00:00 AM | 33.63067 | 52.33214 | 18.70147 | 28.67853 | 36.8155 | 3.18483 | 45.15517 | 33.57966 | -0.05101 | 49.52101 | 44.22708 | 10.59641 | 31.61359 |
| 6/6/2025 | 4:00:00 AM | 33.62732 | 52.32857 | 18.70125 | 28.67875 | 36.81192 | 3.1846 | 45.1554 | 33.5833 | -0.04402 | 49.51402 | 44.2235 | 10.59618 | 31.61382 |
| 6/6/2025 | 5:00:00 AM | 33.62064 | 52.33929 | 18.71865 | 28.66135 | 36.80834 | 3.1877 | 45.1523 | 33.57966 | -0.04098 | 49.51098 | 44.22708 | 10.60644 | 31.60356 |
| 6/6/2025 | 6:00:00 AM | 33.62064 | 52.3536 | 18.73296 | 28.64704 | 36.80834 | 3.1877 | 45.1523 | 33.5833 | -0.03734 | 49.50734 | 44.23422 | 10.61358 | 31.59642 |
| 6/6/2025 | 7:00:00 AM | 33.63067 | 52.37148 | 18.74081 | 28.63919 | 36.80834 | 3.17767 | 45.16233 | 33.59783 | -0.03284 | 49.50284 | 44.24136 | 10.61069 | 31.59931 |
| 6/6/2025 | 8:00:00 AM | 33.63067 | 52.37148 | 18.74081 | 28.63919 | 36.80476 | 3.17409 | 45.16591 | 33.60147 | -0.0292 | 49.4992 | 44.24136 | 10.61069 | 31.59931 |
| 6/6/2025 | 9:00:00 AM | 33.63067 | 52.37505 | 18.74438 | 28.63562 | 36.79761 | 3.16694 | 45.17306 | 33.59783 | -0.03284 | 49.50284 | 44.23065 | 10.59998 | 31.61002 |
| 6/6/2025 | 10:00:00 AM | 33.6407 | 52.37505 | 18.73435 | 28.64565 | 36.80834 | 3.16764 | 45.17236 | 33.59057 | -0.05013 | 49.52013 | 44.23422 | 10.59352 | 31.61648 |
| 6/6/2025 | 11:00:00 AM | 33.65408 | 52.36433 | 18.71025 | 28.66975 | 36.80118 | 3.1471 | 45.1929 | 33.59057 | -0.06351 | 49.53351 | 44.2235 | 10.56942 | 31.64058 |
| 6/6/2025 | 12:00:00 PM | 33.65742 | 52.34287 | 18.68545 | 28.69455 | 36.80118 | 3.14376 | 45.19624 | 33.57966 | -0.07776 | 49.54776 | 44.20922 | 10.5518 | 31.6582 |
| 6/6/2025 | 1:00:00 PM | 33.66076 | 52.33572 | 18.67496 | 28.70504 | 36.79761 | 3.13685 | 45.20315 | 33.5724 | -0.08836 | 49.55836 | 44.20208 | 10.54132 | 31.66868 |
| 6/6/2025 | 2:00:00 PM | 33.68417 | 52.32499 | 18.64082 | 28.73918 | 36.79403 | 3.10986 | 45.23014 | 33.56876 | -0.11541 | 49.58541 | 44.20922 | 10.52505 | 31.68495 |
| 6/6/2025 | 3:00:00 PM | 33.70089 | 52.31784 | 18.61695 | 28.76305 | 36.79045 | 3.08956 | 45.25044 | 33.56149 | -0.1394 | 49.6094 | 44.1985 | 10.49761 | 31.71239 |
| 6/6/2025 | 4:00:00 PM | 33.67414 | 52.29638 | 18.62224 | 28.75776 | 36.78329 | 3.10915 | 45.23085 | 33.56149 | -0.11265 | 49.58265 | 44.1985 | 10.52436 | 31.68564 |
| 6/6/2025 | 5:00:00 PM | 33.67414 | 52.28208 | 18.60794 | 28.77206 | 36.78329 | 3.10915 | 45.23085 | 33.55059 | -0.12355 | 49.59355 | 44.18065 | 10.50651 | 31.70349 |
| 6/6/2025 | 6:00:00 PM | 33.66745 | 52.2785 | 18.61105 | 28.76895 | 36.77971 | 3.11226 | 45.22774 | 33.53969 | -0.12776 | 49.59776 | 44.17351 | 10.50606 | 31.70394 |
| 6/6/2025 | 7:00:00 PM | 33.65742 | 52.2642 | 18.60678 | 28.77322 | 36.77613 | 3.11871 | 45.22129 | 33.54332 | -0.1141 | 49.5841 | 44.18065 | 10.52323 | 31.68677 |
| 6/6/2025 | 8:00:00 PM | 33.65742 | 52.26062 | 18.6032 | 28.7768 | 36.77613 | 3.11871 | 45.22129 | 33.54332 | -0.1141 | 49.5841 | 44.18422 | 10.5268 | 31.6832 |
| 6/6/2025 | 9:00:00 PM | 33.64739 | 52.27135 | 18.62396 | 28.75604 | 36.76897 | 3.12158 | 45.21842 | 33.54696 | -0.10043 | 49.57043 | 44.18422 | 10.53683 | 31.67317 |
| 6/6/2025 | 10:00:00 PM | 33.64404 | 52.28565 | 18.64161 | 28.73839 | 36.77255 | 3.12851 | 45.21149 | 33.56876 | -0.07528 | 49.54528 | 44.1985 | 10.55446 | 31.65554 |
| 6/6/2025 | 11:00:00 PM | 33.62732 | 52.29281 | 18.66549 | 28.71451 | 36.75823 | 3.13091 | 45.20909 | 33.5724 | -0.05492 | 49.52492 | 44.19136 | 10.56404 | 31.64596 |
| 6/7/2025 | 12:00:00 AM | 33.62064 | 52.29638 | 18.67574 | 28.70426 | 36.76181 | 3.14117 | 45.19883 | 33.5724 | -0.04824 | 49.51824 | 44.19493 | 10.57429 | 31.63571 |
| 6/7/2025 | 1:00:00 AM | 33.62064 | 52.31426 | 18.69362 | 28.68638 | 36.76539 | 3.14475 | 45.19525 | 33.5724 | -0.04824 | 49.51824 | 44.1985 | 10.57786 | 31.63214 |
| 6/7/2025 | 2:00:00 AM | 33.60392 | 52.32141 | 18.71749 | 28.66251 | 36.77255 | 3.16863 | 45.17137 | 33.5833 | -0.02062 | 49.49062 | 44.20208 | 10.59816 | 31.61184 |
| 6/7/2025 | 3:00:00 AM | 33.60392 | 52.33214 | 18.72822 | 28.65178 | 36.76181 | 3.15789 | 45.18211 | 33.58693 | -0.01699 | 49.48699 | 44.21279 | 10.60887 | 31.60113 |
| 6/7/2025 | 4:00:00 AM | 33.60057 | 52.33929 | 18.73872 | 28.64128 | 36.76897 | 3.1684 | 45.1716 | 33.59057 | -0.01 | 49.48 | 44.20565 | 10.60508 | 31.60492 |
| 6/7/2025 | 5:00:00 AM | 33.60057 | 52.3536 | 18.75303 | 28.62697 | 36.76539 | 3.16482 | 45.17518 | 33.59783 | -0.00274 | 49.47274 | 44.21279 | 10.61222 | 31.59778 |
| 6/7/2025 | 6:00:00 AM | 33.60392 | 52.3679 | 18.76398 | 28.61602 | 36.76897 | 3.16505 | 45.17495 | 33.60874 | 0.00482 | 49.46518 | 44.23065 | 10.62673 | 31.58327 |
| 6/7/2025 | 7:00:00 AM | 33.6106 | 52.38221 | 18.77161 | 28.60839 | 36.77255 | 3.16195 | 45.17805 | 33.60874 | -0.00186 | 49.47186 | 44.22708 | 10.61648 | 31.59352 |
| 6/7/2025 | 8:00:00 AM | 33.61395 | 52.38578 | 18.77183 | 28.60817 | 36.77255 | 3.1586 | 45.1814 | 33.6051 | -0.00885 | 49.47885 | 44.2235 | 10.60955 | 31.60045 |
| 6/7/2025 | 9:00:00 AM | 33.62064 | 52.39294 | 18.7723 | 28.6077 | 36.77613 | 3.15549 | 45.18451 | 33.61964 | -0.001 | 49.471 | 44.23065 | 10.61001 | 31.59999 |
| 6/7/2025 | 10:00:00 AM | 33.60726 | 52.34645 | 18.73919 | 28.64081 | 36.77255 | 3.16529 | 45.17471 | 33.61601 | 0.00875 | 49.46125 | 44.22708 | 10.61982 | 31.59018 |
| 6/7/2025 | 11:00:00 AM | 33.62064 | 52.35717 | 18.73653 | 28.64347 | 36.77613 | 3.15549 | 45.18451 | 33.6051 | -0.01554 | 49.48554 | 44.23422 | 10.61358 | 31.59642 |
| 6/7/2025 | 12:00:00 PM | 33.63401 | 52.3536 | 18.71959 | 28.66041 | 36.78329 | 3.14928 | 45.19072 | 33.59783 | -0.03618 | 49.50618 | 44.2235 | 10.58949 | 31.62051 |
| 6/7/2025 | 1:00:00 PM | 33.6407 | 52.34287 | 18.70217 | 28.67783 | 36.78329 | 3.14259 | 45.19741 | 33.59783 | -0.04287 | 49.51287 | 44.21636 | 10.57566 | 31.63434 |
| 6/7/2025 | 2:00:00 PM | 33.6708 | 52.32857 | 18.65777 | 28.72223 | 36.78329 | 3.11249 | 45.22751 | 33.58693 | -0.08387 | 49.55387 | 44.20922 | 10.53842 | 31.67158 |
| 6/7/2025 | 3:00:00 PM | 33.7243 | 52.31426 | 18.58996 | 28.79004 | 36.78329 | 3.05899 | 45.28101 | 33.57966 | -0.14464 | 49.61464 | 44.20565 | 10.48135 | 31.72865 |
| 6/7/2025 | 4:00:00 PM | 33.69086 | 52.29281 | 18.60195 | 28.77805 | 36.77613 | 3.08527 | 45.25473 | 33.57603 | -0.11483 | 49.58483 | 44.19493 | 10.50407 | 31.70593 |
| 6/7/2025 | 5:00:00 PM | 33.6942 | 52.29281 | 18.59861 | 28.78139 | 36.77255 | 3.07835 | 45.26165 | 33.56876 | -0.12544 | 49.59544 | 44.1985 | 10.5043 | 31.7057 |
| 6/7/2025 | 6:00:00 PM | 33.68752 | 52.28208 | 18.59456 | 28.78544 | 36.76897 | 3.08145 | 45.25855 | 33.56876 | -0.11876 | 49.58876 | 44.19493 | 10.50741 | 31.70259 |
| 6/7/2025 | 7:00:00 PM | 33.67414 | 52.26062 | 18.58648 | 28.79352 | 36.76897 | 3.09483 | 45.24517 | 33.56149 | -0.11265 | 49.58265 | 44.18422 | 10.51008 | 31.69992 |
| 6/7/2025 | 8:00:00 PM | 33.66411 | 52.24632 | 18.58221 | 28.79779 | 36.76539 | 3.10128 | 45.23872 | 33.55786 | -0.10625 | 49.57625 | 44.18065 | 10.51654 | 31.69346 |
| 6/7/2025 | 9:00:00 PM | 33.65408 | 52.24989 | 18.59581 | 28.78419 | 36.76181 | 3.10773 | 45.23227 | 33.55786 | -0.09622 | 49.56622 | 44.18065 | 10.52657 | 31.68343 |
| 6/7/2025 | 10:00:00 PM | 33.65073 | 52.2642 | 18.61347 | 28.76653 | 36.75823 | 3.1075 | 45.2325 | 33.55786 | -0.09287 | 49.56287 | 44.19136 | 10.54063 | 31.66937 |
| 6/7/2025 | 11:00:00 PM | 33.63401 | 52.26062 | 18.62661 | 28.75339 | 36.75823 | 3.12422 | 45.21578 | 33.56513 | -0.06888 | 49.53888 | 44.19136 | 10.55735 | 31.65265 |
| 6/8/2025 | 12:00:00 AM | 33.61729 | 52.24989 | 18.6326 | 28.7474 | 36.75823 | 3.14094 | 45.19906 | 33.5724 | -0.04489 | 49.51489 | 44.19136 | 10.57407 | 31.63593 |
| 6/8/2025 | 1:00:00 AM | 33.61395 | 52.25704 | 18.64309 | 28.73691 | 36.76539 | 3.15144 | 45.18856 | 33.57603 | -0.03792 | 49.50792 | 44.18779 | 10.57384 | 31.63616 |
| 6/8/2025 | 2:00:00 AM | 33.60726 | 52.27135 | 18.66409 | 28.71591 | 36.76181 | 3.15455 | 45.18545 | 33.5724 | -0.03486 | 49.50486 | 44.19493 | 10.58767 | 31.62233 |
| 6/8/2025 | 3:00:00 AM | 33.60057 | 52.26777 | 18.6672 | 28.7128 | 36.75465 | 3.15408 | 45.18592 | 33.5724 | -0.02817 | 49.49817 | 44.18422 | 10.58365 | 31.62635 |
| 6/8/2025 | 4:00:00 AM | 33.60057 | 52.27493 | 18.67436 | 28.70564 | 36.75465 | 3.15408 | 45.18592 | 33.5724 | -0.02817 | 49.49817 | 44.18065 | 10.58008 | 31.62992 |
| 6/8/2025 | 5:00:00 AM | 33.59054 | 52.2785 | 18.68796 | 28.69204 | 36.75465 | 3.16411 | 45.17589 | 33.56513 | -0.02541 | 49.49541 | 44.17708 | 10.58654 | 31.62346 |
| 6/8/2025 | 6:00:00 AM | 33.60057 | 52.28565 | 18.68508 | 28.69492 | 36.75465 | 3.15408 | 45.18592 | 33.5724 | -0.02817 | 49.49817 | 44.19136 | 10.59079 | 31.61921 |
| 6/8/2025 | 7:00:00 AM | 33.60057 | 52.29996 | 18.69939 | 28.68061 | 36.75465 | 3.15408 | 45.18592 | 33.57603 | -0.02454 | 49.49454 | 44.1985 | 10.59793 | 31.61207 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/8/2025 | 8:00:00 AM | 33.60726 | 52.31784 | 18.71058 | 28.66942 | 36.75465 | 3.14739 | 45.19261 | 33.5833 | -0.02396 | 49.49396 | 44.19493 | 10.58767 | 31.62233 |
| 6/8/2025 | 9:00:00 AM | 33.62398 | 52.32499 | 18.70101 | 28.67899 | 36.75465 | 3.13067 | 45.20933 | 33.5833 | -0.04068 | 49.51068 | 44.20208 | 10.5781 | 31.6319 |
| 6/8/2025 | 10:00:00 AM | 33.63736 | 52.33214 | 18.69478 | 28.68522 | 36.74391 | 3.10655 | 45.23345 | 33.59057 | -0.04679 | 49.51679 | 44.1985 | 10.56114 | 31.64886 |
| 6/8/2025 | 11:00:00 AM | 33.6407 | 52.31069 | 18.66999 | 28.71001 | 36.75823 | 3.11753 | 45.22247 | 33.5833 | -0.0574 | 49.5274 | 44.19136 | 10.55066 | 31.65934 |
| 6/8/2025 | 12:00:00 PM | 33.62732 | 52.27135 | 18.64403 | 28.73597 | 36.75465 | 3.12733 | 45.21267 | 33.57603 | -0.05129 | 49.52129 | 44.18422 | 10.5569 | 31.6531 |
| 6/8/2025 | 1:00:00 PM | 33.64404 | 52.2642 | 18.62016 | 28.75984 | 36.75107 | 3.10703 | 45.23297 | 33.5724 | -0.07164 | 49.54164 | 44.17708 | 10.53304 | 31.67696 |
| 6/8/2025 | 2:00:00 PM | 33.66745 | 52.26062 | 18.59317 | 28.78683 | 36.75465 | 3.0872 | 45.2528 | 33.56149 | -0.10596 | 49.57596 | 44.16636 | 10.49891 | 31.71109 |
| 6/8/2025 | 3:00:00 PM | 33.68417 | 52.23916 | 18.55499 | 28.82501 | 36.74749 | 3.06332 | 45.27668 | 33.55422 | -0.12995 | 49.59995 | 44.15565 | 10.47148 | 31.73852 |
| 6/8/2025 | 4:00:00 PM | 33.65408 | 52.21771 | 18.56363 | 28.81637 | 36.74749 | 3.09341 | 45.24659 | 33.54332 | -0.11076 | 49.58076 | 44.15208 | 10.498 | 31.712 |
| 6/8/2025 | 5:00:00 PM | 33.64404 | 52.19625 | 18.55221 | 28.82779 | 36.74749 | 3.10345 | 45.23655 | 33.52515 | -0.11889 | 49.58889 | 44.13779 | 10.49375 | 31.71625 |
| 6/8/2025 | 6:00:00 PM | 33.63067 | 52.16764 | 18.53697 | 28.84303 | 36.74033 | 3.10966 | 45.23034 | 33.51061 | -0.12006 | 49.59006 | 44.11994 | 10.48927 | 31.72073 |
| 6/8/2025 | 7:00:00 PM | 33.60726 | 52.15691 | 18.54965 | 28.83035 | 36.73317 | 3.12591 | 45.21409 | 33.49971 | -0.10755 | 49.57755 | 44.11636 | 10.5091 | 31.7009 |
| 6/8/2025 | 8:00:00 PM | 33.6106 | 52.15334 | 18.54274 | 28.83726 | 36.72601 | 3.11541 | 45.22459 | 33.49244 | -0.11816 | 49.58816 | 44.10922 | 10.49862 | 31.71138 |
| 6/8/2025 | 9:00:00 PM | 33.58385 | 52.13903 | 18.55518 | 28.82482 | 36.72601 | 3.14216 | 45.19784 | 33.48518 | -0.09867 | 49.56867 | 44.11279 | 10.52894 | 31.68106 |
| 6/8/2025 | 10:00:00 PM | 33.56713 | 52.15334 | 18.58621 | 28.79379 | 36.71528 | 3.14815 | 45.19185 | 33.49608 | -0.07105 | 49.54105 | 44.12351 | 10.55638 | 31.65362 |
| 6/8/2025 | 11:00:00 PM | 33.56044 | 52.16764 | 18.6072 | 28.7728 | 36.7117 | 3.15126 | 45.18874 | 33.49971 | -0.06073 | 49.53073 | 44.11994 | 10.5595 | 31.6505 |
| 6/9/2025 | 12:00:00 AM | 33.55376 | 52.16764 | 18.61388 | 28.76612 | 36.70812 | 3.15436 | 45.18564 | 33.50698 | -0.04678 | 49.51678 | 44.11636 | 10.5626 | 31.6474 |
| 6/9/2025 | 1:00:00 AM | 33.55041 | 52.17837 | 18.62796 | 28.75204 | 36.7117 | 3.16129 | 45.17871 | 33.49971 | -0.0507 | 49.5207 | 44.11279 | 10.56238 | 31.64762 |
| 6/9/2025 | 2:00:00 AM | 33.54038 | 52.1891 | 18.64872 | 28.73128 | 36.70096 | 3.16058 | 45.17942 | 33.50335 | -0.03703 | 49.50703 | 44.11279 | 10.57241 | 31.63759 |
| 6/9/2025 | 3:00:00 AM | 33.54038 | 52.19625 | 18.65587 | 28.72413 | 36.70096 | 3.16058 | 45.17942 | 33.50698 | -0.0334 | 49.5034 | 44.11994 | 10.57956 | 31.63044 |
| 6/9/2025 | 4:00:00 AM | 33.53704 | 52.20698 | 18.66994 | 28.71006 | 36.70096 | 3.16392 | 45.17608 | 33.50698 | -0.03006 | 49.50006 | 44.11279 | 10.57575 | 31.63425 |
| 6/9/2025 | 5:00:00 AM | 33.54038 | 52.21413 | 18.67375 | 28.70625 | 36.70812 | 3.16774 | 45.17226 | 33.50698 | -0.0334 | 49.5034 | 44.11636 | 10.57598 | 31.63402 |
| 6/9/2025 | 6:00:00 AM | 33.54372 | 52.22844 | 18.68472 | 28.69528 | 36.6938 | 3.15008 | 45.18992 | 33.50698 | -0.03674 | 49.50674 | 44.10922 | 10.5655 | 31.6445 |
| 6/9/2025 | 7:00:00 AM | 33.55041 | 52.24632 | 18.69591 | 28.68409 | 36.70096 | 3.15055 | 45.18945 | 33.51425 | -0.03616 | 49.50616 | 44.12708 | 10.57667 | 31.63333 |
| 6/9/2025 | 8:00:00 AM | 33.5571 | 52.24632 | 18.68922 | 28.69078 | 36.69738 | 3.14028 | 45.19972 | 33.50698 | -0.05012 | 49.52012 | 44.11636 | 10.55926 | 31.65074 |
| 6/9/2025 | 9:00:00 AM | 33.56379 | 52.24989 | 18.6861 | 28.6939 | 36.69738 | 3.13359 | 45.20641 | 33.51425 | -0.04954 | 49.51954 | 44.11279 | 10.549 | 31.661 |
| 6/9/2025 | 10:00:00 AM | 33.57048 | 52.24989 | 18.67941 | 28.70059 | 36.69022 | 3.11974 | 45.22026 | 33.51061 | -0.05987 | 49.52987 | 44.10922 | 10.53874 | 31.67126 |
| 6/9/2025 | 11:00:00 AM | 33.57382 | 52.24274 | 18.66892 | 28.71108 | 36.6938 | 3.11998 | 45.22002 | 33.51061 | -0.06321 | 49.53321 | 44.10922 | 10.5354 | 31.6746 |
| 6/9/2025 | 12:00:00 PM | 33.58051 | 52.23916 | 18.65865 | 28.72135 | 36.69022 | 3.10971 | 45.23029 | 33.49971 | -0.0808 | 49.5508 | 44.10565 | 10.52514 | 31.68486 |
| 6/9/2025 | 1:00:00 PM | 33.59388 | 52.23559 | 18.64171 | 28.73829 | 36.68664 | 3.09276 | 45.24724 | 33.49608 | -0.0978 | 49.5678 | 44.10208 | 10.5082 | 31.7018 |
| 6/9/2025 | 2:00:00 PM | 33.58051 | 52.16407 | 18.58356 | 28.79644 | 36.68664 | 3.10613 | 45.23387 | 33.48518 | -0.09533 | 49.56533 | 44.08422 | 10.50371 | 31.70629 |
| 6/9/2025 | 3:00:00 PM | 33.62064 | 52.15334 | 18.5327 | 28.8473 | 36.67948 | 3.05884 | 45.28116 | 33.47427 | -0.14637 | 49.61637 | 44.07351 | 10.45287 | 31.75713 |
| 6/9/2025 | 4:00:00 PM | 33.57716 | 52.12473 | 18.54757 | 28.83243 | 36.6759 | 3.09874 | 45.24126 | 33.46701 | -0.11015 | 49.58015 | 44.0628 | 10.48564 | 31.72436 |
| 6/9/2025 | 5:00:00 PM | 33.56713 | 52.11043 | 18.5433 | 28.8367 | 36.67232 | 3.10519 | 45.23481 | 33.4452 | -0.12193 | 49.59193 | 44.05208 | 10.48495 | 31.72505 |
| 6/9/2025 | 6:00:00 PM | 33.54707 | 52.08897 | 18.5419 | 28.8381 | 36.66874 | 3.12167 | 45.21833 | 33.43793 | -0.10914 | 49.57914 | 44.05565 | 10.50858 | 31.70142 |
| 6/9/2025 | 7:00:00 PM | 33.53035 | 52.07824 | 18.54789 | 28.83211 | 36.66158 | 3.13123 | 45.20877 | 33.43793 | -0.09242 | 49.56242 | 44.04494 | 10.51459 | 31.69541 |
| 6/9/2025 | 8:00:00 PM | 33.51028 | 52.06394 | 18.55366 | 28.82634 | 36.658 | 3.14772 | 45.19228 | 33.42703 | -0.08325 | 49.55325 | 44.04137 | 10.53109 | 31.67891 |
| 6/9/2025 | 9:00:00 PM | 33.5036 | 52.07109 | 18.56749 | 28.81251 | 36.65084 | 3.14724 | 45.19276 | 33.43066 | -0.07294 | 49.54294 | 44.0378 | 10.5342 | 31.6758 |
| 6/9/2025 | 10:00:00 PM | 33.48688 | 52.08182 | 18.59494 | 28.78506 | 36.64726 | 3.16038 | 45.17962 | 33.43793 | -0.04895 | 49.51895 | 44.04851 | 10.56163 | 31.64837 |
| 6/9/2025 | 11:00:00 PM | 33.48353 | 52.09255 | 18.60902 | 28.77098 | 36.64011 | 3.15658 | 45.18342 | 33.44157 | -0.04196 | 49.51196 | 44.04137 | 10.55784 | 31.65216 |
| 6/10/2025 | 12:00:00 AM | 33.4735 | 52.10327 | 18.62977 | 28.75023 | 36.63295 | 3.15945 | 45.18055 | 33.44157 | -0.03193 | 49.50193 | 44.04137 | 10.56787 | 31.64213 |
| 6/10/2025 | 1:00:00 AM | 33.47684 | 52.11043 | 18.63359 | 28.74641 | 36.63653 | 3.15969 | 45.18031 | 33.45247 | -0.02437 | 49.49437 | 44.04851 | 10.57167 | 31.63833 |
| 6/10/2025 | 2:00:00 AM | 33.4735 | 52.12115 | 18.64765 | 28.73235 | 36.63295 | 3.15945 | 45.18055 | 33.4561 | -0.0174 | 49.4874 | 44.05208 | 10.57858 | 31.63142 |
| 6/10/2025 | 3:00:00 AM | 33.48353 | 52.13188 | 18.64835 | 28.73165 | 36.63653 | 3.153 | 45.187 | 33.46337 | -0.02016 | 49.49016 | 44.05208 | 10.56855 | 31.64145 |
| 6/10/2025 | 4:00:00 AM | 33.48353 | 52.14976 | 18.66623 | 28.71377 | 36.62937 | 3.14584 | 45.19416 | 33.45974 | -0.02379 | 49.49379 | 44.05922 | 10.57569 | 31.63431 |
| 6/10/2025 | 5:00:00 AM | 33.49356 | 52.17122 | 18.67766 | 28.70234 | 36.63295 | 3.13939 | 45.20061 | 33.47427 | -0.01929 | 49.48929 | 44.0628 | 10.56924 | 31.64076 |
| 6/10/2025 | 6:00:00 AM | 33.50694 | 52.19268 | 18.68574 | 28.69426 | 36.62579 | 3.11885 | 45.22115 | 33.48154 | -0.0254 | 49.4954 | 44.07708 | 10.57014 | 31.63986 |
| 6/10/2025 | 7:00:00 AM | 33.527 | 52.21056 | 18.68356 | 28.69644 | 36.63653 | 3.10953 | 45.23047 | 33.48881 | -0.03819 | 49.50819 | 44.08422 | 10.55722 | 31.65278 |
| 6/10/2025 | 8:00:00 AM | 33.53704 | 52.21771 | 18.68067 | 28.69933 | 36.63295 | 3.09591 | 45.24409 | 33.49244 | -0.0446 | 49.5146 | 44.08065 | 10.54361 | 31.66639 |
| 6/10/2025 | 9:00:00 AM | 33.53704 | 52.19625 | 18.65921 | 28.72079 | 36.63653 | 3.09949 | 45.24051 | 33.49244 | -0.0446 | 49.5146 | 44.07708 | 10.54004 | 31.66996 |
| 6/10/2025 | 10:00:00 AM | 33.55041 | 52.2034 | 18.65299 | 28.72701 | 36.64011 | 3.0897 | 45.2503 | 33.48881 | -0.0616 | 49.5316 | 44.07708 | 10.52667 | 31.68333 |
| 6/10/2025 | 11:00:00 AM | 33.56044 | 52.19268 | 18.63224 | 28.74776 | 36.64011 | 3.07967 | 45.26033 | 33.48881 | -0.07163 | 49.54163 | 44.06994 | 10.5095 | 31.7005 |
| 6/10/2025 | 12:00:00 PM | 33.56044 | 52.18552 | 18.62508 | 28.75492 | 36.63653 | 3.07609 | 45.26391 | 33.47791 | -0.08253 | 49.55253 | 44.06637 | 10.50593 | 31.70407 |
| 6/10/2025 | 1:00:00 PM | 33.5571 | 52.14619 | 18.58909 | 28.79091 | 36.63653 | 3.07943 | 45.26057 | 33.47427 | -0.08283 | 49.55283 | 44.0628 | 10.5057 | 31.7043 |
| 6/10/2025 | 2:00:00 PM | 33.57382 | 52.13546 | 18.56164 | 28.81836 | 36.64369 | 3.06987 | 45.27013 | 33.46337 | -0.11045 | 49.58045 | 44.04494 | 10.47112 | 31.73888 |
| 6/10/2025 | 3:00:00 PM | 33.60057 | 52.114 | 18.51343 | 28.86657 | 36.64011 | 3.03954 | 45.30046 | 33.44883 | -0.15174 | 49.62174 | 44.0378 | 10.43723 | 31.77277 |
| 6/10/2025 | 4:00:00 PM | 33.56379 | 52.09255 | 18.52876 | 28.85124 | 36.63653 | 3.07274 | 45.26726 | 33.44883 | -0.11496 | 49.58496 | 44.03065 | 10.46686 | 31.74314 |
| 6/10/2025 | 5:00:00 PM | 33.54707 | 52.07824 | 18.53117 | 28.84883 | 36.63295 | 3.08588 | 45.25412 | 33.4343 | -0.11277 | 49.58277 | 44.03065 | 10.48358 | 31.72642 |
| 6/10/2025 | 6:00:00 PM | 33.52366 | 52.07109 | 18.54743 | 28.83257 | 36.62579 | 3.10213 | 45.23787 | 33.43066 | -0.093 | 49.563 | 44.02351 | 10.49985 | 31.71015 |
| 6/10/2025 | 7:00:00 PM | 33.5036 | 52.04248 | 18.53888 | 28.84112 | 36.62221 | 3.11861 | 45.22139 | 33.41613 | -0.08747 | 49.55747 | 44.00923 | 10.50563 | 31.70437 |
| 6/10/2025 | 8:00:00 PM | 33.48688 | 52.0389 | 18.55202 | 28.82798 | 36.61863 | 3.13175 | 45.20825 | 33.41976 | -0.06712 | 49.53712 | 44.00923 | 10.52235 | 31.68765 |
| 6/10/2025 | 9:00:00 PM | 33.47016 | 52.0389 | 18.56874 | 28.81126 | 36.61147 | 3.14131 | 45.19869 | 33.40886 | -0.0613 | 49.5313 | 44.00923 | 10.53907 | 31.67093 |
| 6/10/2025 | 10:00:00 PM | 33.46681 | 52.05321 | 18.5864 | 28.7936 | 36.60789 | 3.14108 | 45.19892 | 33.41976 | -0.04705 | 49.51705 | 44.01994 | 10.55313 | 31.65687 |
| 6/10/2025 | 11:00:00 PM | 33.46681 | 52.06394 | 18.59713 | 28.78287 | 36.60789 | 3.14108 | 45.19892 | 33.4234 | -0.04341 | 49.51341 | 44.0128 | 10.54599 | 31.66401 |
| 6/11/2025 | 12:00:00 AM | 33.47016 | 52.07824 | 18.60808 | 28.77192 | 36.60789 | 3.13773 | 45.20227 | 33.43793 | -0.03223 | 49.50223 | 44.02708 | 10.55692 | 31.65308 |
| 6/11/2025 | 1:00:00 AM | 33.47016 | 52.08897 | 18.61881 | 28.76119 | 36.60073 | 3.13057 | 45.20943 | 33.44157 | -0.02859 | 49.49859 | 44.02708 | 10.55692 | 31.65308 |
| 6/11/2025 | 2:00:00 AM | 33.47684 | 52.10327 | 18.62643 | 28.75357 | 36.60431 | 3.12747 | 45.21253 | 33.43793 | -0.03891 | 49.50891 | 44.03422 | 10.55738 | 31.65262 |
| 6/11/2025 | 3:00:00 AM | 33.48688 | 52.12115 | 18.63427 | 28.74573 | 36.60431 | 3.11743 | 45.22257 | 33.45247 | -0.03441 | 49.50441 | 44.04137 | 10.55449 | 31.65551 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/11/2025 | 4:00:00 AM | 33.50025 | 52.13546 | 18.63521 | 28.74479 | 36.60073 | 3.10048 | 45.23952 | 33.45974 | -0.04051 | 49.51051 | 44.04851 | 10.54826 | 31.66174 |
| 6/11/2025 | 5:00:00 AM | 33.51028 | 52.14976 | 18.63948 | 28.74052 | 36.60073 | 3.09045 | 45.24955 | 33.46701 | -0.04327 | 49.51327 | 44.04494 | 10.53466 | 31.67534 |
| 6/11/2025 | 6:00:00 AM | 33.51697 | 52.1748 | 18.65783 | 28.72217 | 36.60073 | 3.08376 | 45.25624 | 33.47064 | -0.04633 | 49.51633 | 44.05565 | 10.53868 | 31.67132 |
| 6/11/2025 | 7:00:00 AM | 33.54372 | 52.19983 | 18.65611 | 28.72389 | 36.61505 | 3.07133 | 45.26867 | 33.48154 | -0.06218 | 49.53218 | 44.07351 | 10.52979 | 31.68021 |
| 6/11/2025 | 8:00:00 AM | 33.56713 | 52.22128 | 18.65415 | 28.72585 | 36.60789 | 3.04076 | 45.29924 | 33.49971 | -0.06742 | 49.53742 | 44.08065 | 10.51352 | 31.69648 |
| 6/11/2025 | 9:00:00 AM | 33.57716 | 52.22844 | 18.65128 | 28.72872 | 36.61147 | 3.03431 | 45.30569 | 33.49971 | -0.07745 | 49.54745 | 44.07351 | 10.49635 | 31.71365 |
| 6/11/2025 | 10:00:00 AM | 33.58385 | 52.23559 | 18.65174 | 28.72826 | 36.61863 | 3.03478 | 45.30522 | 33.49971 | -0.08414 | 49.55414 | 44.07708 | 10.49323 | 31.71677 |
| 6/11/2025 | 11:00:00 AM | 33.59388 | 52.23559 | 18.64171 | 28.73829 | 36.62579 | 3.03191 | 45.30809 | 33.50698 | -0.0869 | 49.5569 | 44.07351 | 10.47963 | 31.73037 |
| 6/11/2025 | 12:00:00 PM | 33.59388 | 52.22486 | 18.63098 | 28.74902 | 36.62579 | 3.03191 | 45.30809 | 33.50698 | -0.0869 | 49.5569 | 44.08065 | 10.48677 | 31.72323 |
| 6/11/2025 | 1:00:00 PM | 33.59723 | 52.22486 | 18.62763 | 28.75237 | 36.63653 | 3.0393 | 45.3007 | 33.49971 | -0.09752 | 49.56752 | 44.08065 | 10.48342 | 31.72658 |
| 6/11/2025 | 2:00:00 PM | 33.6106 | 52.21771 | 18.60711 | 28.77289 | 36.62579 | 3.01519 | 45.32481 | 33.50698 | -0.10362 | 49.57362 | 44.07708 | 10.46648 | 31.74352 |
| 6/11/2025 | 3:00:00 PM | 33.63736 | 52.20698 | 18.56962 | 28.81038 | 36.62937 | 2.99201 | 45.34799 | 33.49608 | -0.14128 | 49.61128 | 44.06994 | 10.43258 | 31.77742 |
| 6/11/2025 | 4:00:00 PM | 33.60726 | 52.2034 | 18.59614 | 28.78386 | 36.62937 | 3.02211 | 45.31789 | 33.49971 | -0.10755 | 49.57755 | 44.08422 | 10.47696 | 31.73304 |
| 6/11/2025 | 5:00:00 PM | 33.59723 | 52.19268 | 18.59545 | 28.78455 | 36.63295 | 3.03572 | 45.30428 | 33.49608 | -0.10115 | 49.57115 | 44.07708 | 10.47985 | 31.73015 |
| 6/11/2025 | 6:00:00 PM | 33.55376 | 52.14261 | 18.58885 | 28.79115 | 36.63295 | 3.07919 | 45.26081 | 33.49608 | -0.05768 | 49.52768 | 44.06994 | 10.51618 | 31.69382 |
| 6/11/2025 | 7:00:00 PM | 33.54707 | 52.12473 | 18.57766 | 28.80234 | 36.64011 | 3.09304 | 45.24696 | 33.49608 | -0.05099 | 49.52099 | 44.06994 | 10.52287 | 31.68713 |
| 6/11/2025 | 8:00:00 PM | 33.54372 | 52.12831 | 18.58459 | 28.79541 | 36.63653 | 3.09281 | 45.24719 | 33.49608 | -0.04764 | 49.51764 | 44.08065 | 10.53693 | 31.67307 |
| 6/11/2025 | 9:00:00 PM | 33.55376 | 52.12831 | 18.57455 | 28.80545 | 36.63295 | 3.07919 | 45.26081 | 33.49971 | -0.05405 | 49.52405 | 44.08422 | 10.53046 | 31.67954 |
| 6/11/2025 | 10:00:00 PM | 33.54707 | 52.13903 | 18.59196 | 28.78804 | 36.63295 | 3.08588 | 45.25412 | 33.51061 | -0.03646 | 49.50646 | 44.09137 | 10.5443 | 31.6657 |
| 6/11/2025 | 11:00:00 PM | 33.5571 | 52.14619 | 18.58909 | 28.79091 | 36.64011 | 3.08301 | 45.25699 | 33.52152 | -0.03558 | 49.50558 | 44.09494 | 10.53784 | 31.67216 |
| 6/12/2025 | 12:00:00 AM | 33.56044 | 52.16049 | 18.60005 | 28.77995 | 36.64011 | 3.07967 | 45.26033 | 33.52879 | -0.03165 | 49.50165 | 44.09494 | 10.5345 | 31.6755 |
| 6/12/2025 | 1:00:00 AM | 33.57716 | 52.18552 | 18.60836 | 28.77164 | 36.64011 | 3.06295 | 45.27705 | 33.54332 | -0.03384 | 49.50384 | 44.11994 | 10.54278 | 31.66722 |
| 6/12/2025 | 2:00:00 AM | 33.59723 | 52.2034 | 18.60617 | 28.77383 | 36.65084 | 3.05361 | 45.28639 | 33.55059 | -0.04664 | 49.51664 | 44.12708 | 10.52985 | 31.68015 |
| 6/12/2025 | 3:00:00 AM | 33.60726 | 52.22844 | 18.62118 | 28.75882 | 36.64726 | 3.04 | 45.3 | 33.55786 | -0.0494 | 49.5194 | 44.13065 | 10.52339 | 31.68661 |
| 6/12/2025 | 4:00:00 AM | 33.61729 | 52.23916 | 18.62187 | 28.75813 | 36.658 | 3.04071 | 45.29929 | 33.55786 | -0.05943 | 49.52943 | 44.13779 | 10.5205 | 31.6895 |
| 6/12/2025 | 5:00:00 AM | 33.63067 | 52.2642 | 18.63353 | 28.74647 | 36.658 | 3.02733 | 45.31267 | 33.57603 | -0.05464 | 49.52464 | 44.14494 | 10.51427 | 31.69573 |
| 6/12/2025 | 6:00:00 AM | 33.64404 | 52.2785 | 18.63446 | 28.74554 | 36.66874 | 3.0247 | 45.3153 | 33.57966 | -0.06438 | 49.53438 | 44.15922 | 10.51518 | 31.69482 |
| 6/12/2025 | 7:00:00 AM | 33.65742 | 52.29638 | 18.63896 | 28.74104 | 36.66874 | 3.01132 | 45.32868 | 33.5833 | -0.07412 | 49.54412 | 44.16279 | 10.50537 | 31.70463 |
| 6/12/2025 | 8:00:00 AM | 33.66076 | 52.30353 | 18.64277 | 28.73723 | 36.6759 | 3.01514 | 45.32486 | 33.5942 | -0.06656 | 49.53656 | 44.15565 | 10.49489 | 31.71511 |
| 6/12/2025 | 9:00:00 AM | 33.67414 | 52.31069 | 18.63655 | 28.74345 | 36.68664 | 3.0125 | 45.3275 | 33.5942 | -0.07994 | 49.54994 | 44.16279 | 10.48865 | 31.72135 |
| 6/12/2025 | 10:00:00 AM | 33.67748 | 52.31784 | 18.64036 | 28.73964 | 36.68306 | 3.00558 | 45.33442 | 33.60147 | -0.07601 | 49.54601 | 44.16636 | 10.48888 | 31.72112 |
| 6/12/2025 | 11:00:00 AM | 33.68752 | 52.32857 | 18.64105 | 28.73895 | 36.69022 | 3.0027 | 45.3373 | 33.60874 | -0.07878 | 49.54878 | 44.17708 | 10.48956 | 31.72044 |
| 6/12/2025 | 12:00:00 PM | 33.69086 | 52.33214 | 18.64128 | 28.73872 | 36.69022 | 2.99936 | 45.34064 | 33.61237 | -0.07849 | 49.54849 | 44.17351 | 10.48265 | 31.72735 |
| 6/12/2025 | 1:00:00 PM | 33.68752 | 52.33214 | 18.64462 | 28.73538 | 36.69738 | 3.00986 | 45.33014 | 33.61601 | -0.07151 | 49.54151 | 44.17351 | 10.48599 | 31.72401 |
| 6/12/2025 | 2:00:00 PM | 33.69755 | 52.31426 | 18.61671 | 28.76329 | 36.70812 | 3.01057 | 45.32943 | 33.59783 | -0.09972 | 49.56972 | 44.16279 | 10.46524 | 31.74476 |
| 6/12/2025 | 3:00:00 PM | 33.71427 | 52.32141 | 18.60714 | 28.77286 | 36.70454 | 2.99027 | 45.34973 | 33.59783 | -0.11644 | 49.58644 | 44.16279 | 10.44852 | 31.76148 |
| 6/12/2025 | 4:00:00 PM | 33.68752 | 52.29638 | 18.60886 | 28.77114 | 36.70812 | 3.0206 | 45.3194 | 33.58693 | -0.10059 | 49.57059 | 44.15922 | 10.4717 | 31.7383 |
| 6/12/2025 | 5:00:00 PM | 33.68417 | 52.28208 | 18.59791 | 28.78209 | 36.71528 | 3.03111 | 45.30889 | 33.5724 | -0.11177 | 49.58177 | 44.14494 | 10.46077 | 31.74923 |
| 6/12/2025 | 6:00:00 PM | 33.65408 | 52.26777 | 18.61369 | 28.76631 | 36.70812 | 3.05404 | 45.28596 | 33.56513 | -0.08895 | 49.55895 | 44.13422 | 10.48014 | 31.72986 |
| 6/12/2025 | 7:00:00 PM | 33.63401 | 52.24989 | 18.61588 | 28.76412 | 36.70454 | 3.07053 | 45.26947 | 33.55059 | -0.08342 | 49.55342 | 44.13422 | 10.50021 | 31.70979 |
| 6/12/2025 | 8:00:00 PM | 33.62398 | 52.24632 | 18.62234 | 28.75766 | 36.70454 | 3.08056 | 45.25944 | 33.54696 | -0.07702 | 49.54702 | 44.13779 | 10.51381 | 31.69619 |
| 6/12/2025 | 9:00:00 PM | 33.6106 | 52.24632 | 18.63572 | 28.74428 | 36.70812 | 3.09752 | 45.24248 | 33.55059 | -0.06001 | 49.53001 | 44.14136 | 10.53076 | 31.67924 |
| 6/12/2025 | 10:00:00 PM | 33.61729 | 52.26062 | 18.64333 | 28.73667 | 36.69738 | 3.08009 | 45.25991 | 33.56876 | -0.04853 | 49.51853 | 44.14494 | 10.52765 | 31.68235 |
| 6/12/2025 | 11:00:00 PM | 33.62064 | 52.2642 | 18.64356 | 28.73644 | 36.70812 | 3.08748 | 45.25252 | 33.56513 | -0.05551 | 49.52551 | 44.14136 | 10.52072 | 31.68928 |
| 6/13/2025 | 12:00:00 AM | 33.60726 | 52.26062 | 18.65336 | 28.72664 | 36.70454 | 3.09728 | 45.24272 | 33.56513 | -0.04213 | 49.51213 | 44.13065 | 10.52339 | 31.68661 |
| 6/13/2025 | 1:00:00 AM | 33.60392 | 52.25347 | 18.64955 | 28.73045 | 36.70096 | 3.09704 | 45.24296 | 33.55422 | -0.0497 | 49.5197 | 44.12708 | 10.52316 | 31.68684 |
| 6/13/2025 | 2:00:00 AM | 33.6106 | 52.2642 | 18.6536 | 28.7264 | 36.69738 | 3.08678 | 45.25322 | 33.56149 | -0.04911 | 49.51911 | 44.14136 | 10.53076 | 31.67924 |
| 6/13/2025 | 3:00:00 AM | 33.62732 | 52.29281 | 18.66549 | 28.71451 | 36.70454 | 3.07722 | 45.26278 | 33.5724 | -0.05492 | 49.52492 | 44.14494 | 10.51762 | 31.69238 |
| 6/13/2025 | 4:00:00 AM | 33.62732 | 52.29638 | 18.66906 | 28.71094 | 36.70096 | 3.07364 | 45.26636 | 33.5724 | -0.05492 | 49.52492 | 44.14494 | 10.51762 | 31.69238 |
| 6/13/2025 | 5:00:00 AM | 33.61729 | 52.25347 | 18.63618 | 28.74382 | 36.70812 | 3.09083 | 45.24917 | 33.57603 | -0.04126 | 49.51126 | 44.14851 | 10.53122 | 31.67878 |
| 6/13/2025 | 6:00:00 AM | 33.63401 | 52.26777 | 18.63376 | 28.74624 | 36.70454 | 3.07053 | 45.26947 | 33.57966 | -0.05435 | 49.52435 | 44.15565 | 10.52164 | 31.68836 |
| 6/13/2025 | 7:00:00 AM | 33.64739 | 52.28565 | 18.63826 | 28.74174 | 36.70812 | 3.06073 | 45.27927 | 33.5942 | -0.05319 | 49.52319 | 44.16636 | 10.51897 | 31.69103 |
| 6/13/2025 | 8:00:00 AM | 33.66411 | 52.29996 | 18.63585 | 28.74415 | 36.70812 | 3.04401 | 45.29599 | 33.59783 | -0.06628 | 49.53628 | 44.16636 | 10.50225 | 31.70775 |
| 6/13/2025 | 9:00:00 AM | 33.67414 | 52.31069 | 18.63655 | 28.74345 | 36.70812 | 3.03398 | 45.30602 | 33.6051 | -0.06904 | 49.53904 | 44.17351 | 10.49937 | 31.71063 |
| 6/13/2025 | 10:00:00 AM | 33.68083 | 52.31069 | 18.62986 | 28.75014 | 36.71886 | 3.03803 | 45.30197 | 33.6051 | -0.07573 | 49.54573 | 44.17708 | 10.49625 | 31.71375 |
| 6/13/2025 | 11:00:00 AM | 33.68752 | 52.31784 | 18.63032 | 28.74968 | 36.71886 | 3.03134 | 45.30866 | 33.60874 | -0.07878 | 49.54878 | 44.17351 | 10.48599 | 31.72401 |
| 6/13/2025 | 12:00:00 PM | 33.68752 | 52.31784 | 18.63032 | 28.74968 | 36.71886 | 3.03134 | 45.30866 | 33.61237 | -0.07515 | 49.54515 | 44.17351 | 10.48599 | 31.72401 |
| 6/13/2025 | 1:00:00 PM | 33.69755 | 52.33572 | 18.63817 | 28.74183 | 36.71886 | 3.02131 | 45.31869 | 33.61237 | -0.08518 | 49.55518 | 44.18065 | 10.4831 | 31.7269 |
| 6/13/2025 | 2:00:00 PM | 33.70424 | 52.33929 | 18.63505 | 28.74495 | 36.72959 | 3.02535 | 45.31465 | 33.63054 | -0.0737 | 49.5437 | 44.19493 | 10.49069 | 31.71931 |
| 6/13/2025 | 3:00:00 PM | 33.71092 | 52.34645 | 18.63553 | 28.74447 | 36.72959 | 3.01867 | 45.32133 | 33.62691 | -0.08401 | 49.55401 | 44.18779 | 10.47687 | 31.73313 |
| 6/13/2025 | 4:00:00 PM | 33.70758 | 52.35002 | 18.64244 | 28.73756 | 36.73317 | 3.02559 | 45.31441 | 33.63054 | -0.07704 | 49.54704 | 44.18065 | 10.47307 | 31.73693 |
| 6/13/2025 | 5:00:00 PM | 33.71427 | 52.32857 | 18.6143 | 28.7657 | 36.73675 | 3.02248 | 45.31752 | 33.61964 | -0.09463 | 49.56463 | 44.18065 | 10.46638 | 31.74362 |
| 6/13/2025 | 6:00:00 PM | 33.70089 | 52.33929 | 18.6384 | 28.7416 | 36.73675 | 3.03586 | 45.30414 | 33.61601 | -0.08488 | 49.55488 | 44.18065 | 10.47976 | 31.73024 |
| 6/13/2025 | 7:00:00 PM | 33.6942 | 52.33929 | 18.64509 | 28.73491 | 36.74033 | 3.04613 | 45.29387 | 33.61601 | -0.07819 | 49.54819 | 44.18779 | 10.49359 | 31.71641 |
| 6/13/2025 | 8:00:00 PM | 33.69755 | 52.33929 | 18.64174 | 28.73826 | 36.74391 | 3.04636 | 45.29364 | 33.61964 | -0.07791 | 49.54791 | 44.18422 | 10.48667 | 31.72333 |
| 6/13/2025 | 9:00:00 PM | 33.6942 | 52.3536 | 18.6594 | 28.7206 | 36.74391 | 3.04971 | 45.29029 | 33.61964 | -0.07456 | 49.54456 | 44.18422 | 10.49002 | 31.71998 |
| 6/13/2025 | 10:00:00 PM | 33.69755 | 52.36433 | 18.66678 | 28.71322 | 36.74033 | 3.04278 | 45.29722 | 33.62691 | -0.07064 | 49.54064 | 44.20208 | 10.50453 | 31.70547 |
| 6/13/2025 | 11:00:00 PM | 33.69755 | 52.37148 | 18.67393 | 28.70607 | 36.74033 | 3.04278 | 45.29722 | 33.63781 | -0.05974 | 49.52974 | 44.20208 | 10.50453 | 31.70547 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/14/2025 | 12:00:00 AM | 33.70424 | 52.39294 | 18.6887 | 28.6913 | 36.74391 | 3.03967 | 45.30033 | 33.63781 | -0.06643 | 49.53643 | 44.20565 | 10.50141 | 31.70859 |
| 6/14/2025 | 1:00:00 AM | 33.71427 | 52.39651 | 18.68224 | 28.69776 | 36.74749 | 3.03322 | 45.30678 | 33.64871 | -0.06556 | 49.53556 | 44.20208 | 10.48781 | 31.72219 |
| 6/14/2025 | 2:00:00 AM | 33.72096 | 52.40724 | 18.68628 | 28.69372 | 36.75107 | 3.03011 | 45.30989 | 33.64871 | -0.07225 | 49.54225 | 44.20922 | 10.48826 | 31.72174 |
| 6/14/2025 | 3:00:00 AM | 33.7243 | 52.42154 | 18.69724 | 28.68276 | 36.75465 | 3.03035 | 45.30965 | 33.65235 | -0.07195 | 49.54195 | 44.21279 | 10.48849 | 31.72151 |
| 6/14/2025 | 4:00:00 AM | 33.73433 | 52.43585 | 18.70152 | 28.67848 | 36.75465 | 3.02032 | 45.31968 | 33.65962 | -0.07471 | 49.54471 | 44.21993 | 10.4856 | 31.7244 |
| 6/14/2025 | 5:00:00 AM | 33.73768 | 52.41082 | 18.67314 | 28.70686 | 36.76897 | 3.03129 | 45.30871 | 33.67052 | -0.06716 | 49.53716 | 44.24136 | 10.50368 | 31.70632 |
| 6/14/2025 | 6:00:00 AM | 33.74436 | 52.4287 | 18.68434 | 28.69566 | 36.76539 | 3.02103 | 45.31897 | 33.68142 | -0.06294 | 49.53294 | 44.23779 | 10.49343 | 31.71657 |
| 6/14/2025 | 7:00:00 AM | 33.7544 | 52.43585 | 18.68145 | 28.69855 | 36.77613 | 3.02173 | 45.31827 | 33.68505 | -0.06935 | 49.53935 | 44.24493 | 10.49053 | 31.71947 |
| 6/14/2025 | 8:00:00 AM | 33.77112 | 52.4573 | 18.68618 | 28.69382 | 36.77255 | 3.00143 | 45.33857 | 33.68869 | -0.08243 | 49.55243 | 44.25207 | 10.48095 | 31.72905 |
| 6/14/2025 | 9:00:00 AM | 33.7778 | 52.46088 | 18.68308 | 28.69692 | 36.77613 | 2.99833 | 45.34167 | 33.70323 | -0.07457 | 49.54457 | 44.26279 | 10.48499 | 31.72501 |
| 6/14/2025 | 10:00:00 AM | 33.79118 | 52.47518 | 18.684 | 28.696 | 36.77613 | 2.98495 | 45.35505 | 33.70323 | -0.08795 | 49.55795 | 44.25922 | 10.46804 | 31.74196 |
| 6/14/2025 | 11:00:00 AM | 33.80456 | 52.48234 | 18.67778 | 28.70222 | 36.79403 | 2.98947 | 45.35053 | 33.71049 | -0.09407 | 49.56407 | 44.26636 | 10.4618 | 31.7482 |
| 6/14/2025 | 12:00:00 PM | 33.80456 | 52.47161 | 18.66705 | 28.71295 | 36.79045 | 2.98589 | 45.35411 | 33.71413 | -0.09043 | 49.56043 | 44.25922 | 10.45466 | 31.75534 |
| 6/14/2025 | 1:00:00 PM | 33.81124 | 52.46446 | 18.65322 | 28.72678 | 36.79761 | 2.98637 | 45.35363 | 33.70686 | -0.10438 | 49.57438 | 44.26279 | 10.45155 | 31.75845 |
| 6/14/2025 | 2:00:00 PM | 33.77112 | 52.4573 | 18.68618 | 28.69382 | 36.79403 | 3.02291 | 45.31709 | 33.70686 | -0.06426 | 49.53426 | 44.25565 | 10.48453 | 31.72547 |
| 6/14/2025 | 3:00:00 PM | 33.77446 | 52.45015 | 18.67569 | 28.70431 | 36.79761 | 3.02315 | 45.31685 | 33.70686 | -0.0676 | 49.5376 | 44.25922 | 10.48476 | 31.72524 |
| 6/14/2025 | 4:00:00 PM | 33.76108 | 52.44658 | 18.6855 | 28.6945 | 36.80118 | 3.0401 | 45.2999 | 33.69596 | -0.06512 | 49.53512 | 44.25207 | 10.49099 | 31.71901 |
| 6/14/2025 | 5:00:00 PM | 33.75774 | 52.43585 | 18.67811 | 28.70189 | 36.79761 | 3.03987 | 45.30013 | 33.69959 | -0.05815 | 49.52815 | 44.25207 | 10.49433 | 31.71567 |
| 6/14/2025 | 6:00:00 PM | 33.75105 | 52.42154 | 18.67049 | 28.70951 | 36.80476 | 3.05371 | 45.28629 | 33.69596 | -0.05509 | 49.52509 | 44.25565 | 10.5046 | 31.7054 |
| 6/14/2025 | 7:00:00 PM | 33.76108 | 52.42154 | 18.66046 | 28.71954 | 36.80118 | 3.0401 | 45.2999 | 33.70323 | -0.05785 | 49.52785 | 44.26636 | 10.50528 | 31.70472 |
| 6/14/2025 | 8:00:00 PM | 33.76443 | 52.43585 | 18.67142 | 28.70858 | 36.80834 | 3.04391 | 45.29609 | 33.70686 | -0.05757 | 49.52757 | 44.26993 | 10.5055 | 31.7045 |
| 6/14/2025 | 9:00:00 PM | 33.76108 | 52.43585 | 18.67477 | 28.70523 | 36.81192 | 3.05084 | 45.28916 | 33.71413 | -0.04695 | 49.51695 | 44.26636 | 10.50528 | 31.70472 |
| 6/14/2025 | 10:00:00 PM | 33.76777 | 52.443 | 18.67523 | 28.70477 | 36.80834 | 3.04057 | 45.29943 | 33.72866 | -0.03911 | 49.50911 | 44.28064 | 10.51287 | 31.69713 |
| 6/14/2025 | 11:00:00 PM | 33.77112 | 52.44658 | 18.67546 | 28.70454 | 36.8155 | 3.04438 | 45.29562 | 33.72866 | -0.04246 | 49.51246 | 44.28064 | 10.50952 | 31.70048 |
| 6/15/2025 | 12:00:00 AM | 33.77446 | 52.45373 | 18.67927 | 28.70073 | 36.81908 | 3.04462 | 45.29538 | 33.72866 | -0.0458 | 49.5158 | 44.28064 | 10.50618 | 31.70382 |
| 6/15/2025 | 1:00:00 AM | 33.77446 | 52.45015 | 18.67569 | 28.70431 | 36.82266 | 3.0482 | 45.2918 | 33.73593 | -0.03853 | 49.50853 | 44.28422 | 10.50976 | 31.70024 |
| 6/15/2025 | 2:00:00 AM | 33.78449 | 52.46446 | 18.67997 | 28.70003 | 36.82624 | 3.04175 | 45.29825 | 33.73593 | -0.04856 | 49.51856 | 44.28422 | 10.49973 | 31.71027 |
| 6/15/2025 | 3:00:00 AM | 33.78449 | 52.44658 | 18.66209 | 28.71791 | 36.82266 | 3.03817 | 45.30183 | 33.73957 | -0.04492 | 49.51492 | 44.28779 | 10.5033 | 31.7067 |
| 6/15/2025 | 4:00:00 AM | 33.79118 | 52.46088 | 18.6697 | 28.7103 | 36.82624 | 3.03506 | 45.30494 | 33.73957 | -0.05161 | 49.52161 | 44.2985 | 10.50732 | 31.70268 |
| 6/15/2025 | 5:00:00 AM | 33.8079 | 52.47518 | 18.66728 | 28.71272 | 36.8334 | 3.0255 | 45.3145 | 33.74684 | -0.06106 | 49.53106 | 44.30207 | 10.49417 | 31.71583 |
| 6/15/2025 | 6:00:00 AM | 33.81793 | 52.49664 | 18.67871 | 28.70129 | 36.8334 | 3.01547 | 45.32453 | 33.75047 | -0.06746 | 49.53746 | 44.30564 | 10.48771 | 31.72229 |
| 6/15/2025 | 7:00:00 AM | 33.83131 | 52.51095 | 18.67964 | 28.70036 | 36.84056 | 3.00925 | 45.33075 | 33.75774 | -0.07357 | 49.54357 | 44.31279 | 10.48148 | 31.72852 |
| 6/15/2025 | 8:00:00 AM | 33.83131 | 52.50737 | 18.67606 | 28.70394 | 36.84056 | 3.00925 | 45.33075 | 33.76501 | -0.0663 | 49.5363 | 44.31279 | 10.48148 | 31.72852 |
| 6/15/2025 | 9:00:00 AM | 33.83465 | 52.51095 | 18.6763 | 28.7037 | 36.84772 | 3.01307 | 45.32693 | 33.74684 | -0.08781 | 49.55781 | 44.30564 | 10.47099 | 31.73901 |
| 6/15/2025 | 10:00:00 AM | 33.83131 | 52.51095 | 18.67964 | 28.70036 | 36.85488 | 3.02357 | 45.31643 | 33.7541 | -0.07721 | 49.54721 | 44.2985 | 10.46719 | 31.74281 |
| 6/15/2025 | 11:00:00 AM | 33.83465 | 52.50737 | 18.67272 | 28.70728 | 36.8513 | 3.01665 | 45.32335 | 33.7432 | -0.09145 | 49.56145 | 44.29136 | 10.45671 | 31.75329 |
| 6/15/2025 | 12:00:00 PM | 33.838 | 52.50022 | 18.66222 | 28.71778 | 36.85488 | 3.01688 | 45.32312 | 33.72866 | -0.10934 | 49.57934 | 44.28779 | 10.44979 | 31.76021 |
| 6/15/2025 | 1:00:00 PM | 33.78784 | 52.47876 | 18.69092 | 28.68908 | 36.84772 | 3.05988 | 45.28012 | 33.72503 | -0.06281 | 49.53281 | 44.28422 | 10.49638 | 31.71362 |
| 6/15/2025 | 2:00:00 PM | 33.77446 | 52.45373 | 18.67927 | 28.70073 | 36.85846 | 3.084 | 45.256 | 33.70686 | -0.0676 | 49.5376 | 44.25922 | 10.48476 | 31.72524 |
| 6/15/2025 | 3:00:00 PM | 33.73768 | 52.42154 | 18.68386 | 28.69614 | 36.8513 | 3.11362 | 45.22638 | 33.69232 | -0.04536 | 49.51536 | 44.24493 | 10.50725 | 31.70275 |
| 6/15/2025 | 4:00:00 PM | 33.72096 | 52.38936 | 18.6684 | 28.7116 | 36.84772 | 3.12676 | 45.21324 | 33.67779 | -0.04317 | 49.51317 | 44.23065 | 10.50969 | 31.70031 |
| 6/15/2025 | 5:00:00 PM | 33.70089 | 52.36433 | 18.66344 | 28.71656 | 36.84056 | 3.13967 | 45.20033 | 33.65598 | -0.04491 | 49.51491 | 44.21279 | 10.5119 | 31.6981 |
| 6/15/2025 | 6:00:00 PM | 33.68417 | 52.34287 | 18.6587 | 28.7213 | 36.8334 | 3.14923 | 45.19077 | 33.63054 | -0.05363 | 49.52363 | 44.20208 | 10.51791 | 31.69209 |
| 6/15/2025 | 7:00:00 PM | 33.68083 | 52.33572 | 18.65489 | 28.72511 | 36.82982 | 3.14899 | 45.19101 | 33.62327 | -0.05756 | 49.52756 | 44.19493 | 10.5141 | 31.6959 |
| 6/15/2025 | 8:00:00 PM | 33.67414 | 52.31784 | 18.6437 | 28.7363 | 36.82982 | 3.15568 | 45.18432 | 33.61237 | -0.06177 | 49.53177 | 44.19136 | 10.51722 | 31.69278 |
| 6/15/2025 | 9:00:00 PM | 33.67414 | 52.31784 | 18.6437 | 28.7363 | 36.81908 | 3.14494 | 45.19506 | 33.61237 | -0.06177 | 49.53177 | 44.18779 | 10.51365 | 31.69635 |
| 6/15/2025 | 10:00:00 PM | 33.68083 | 52.32857 | 18.64774 | 28.73226 | 36.80834 | 3.12751 | 45.21249 | 33.61601 | -0.06482 | 49.53482 | 44.18779 | 10.50696 | 31.70304 |
| 6/15/2025 | 11:00:00 PM | 33.67748 | 52.32141 | 18.64393 | 28.73607 | 36.80118 | 3.1237 | 45.2163 | 33.61237 | -0.06511 | 49.53511 | 44.18065 | 10.50317 | 31.70683 |
| 6/16/2025 | 12:00:00 AM | 33.67414 | 52.32141 | 18.64727 | 28.73273 | 36.79045 | 3.11631 | 45.22369 | 33.6051 | -0.06904 | 49.53904 | 44.17351 | 10.49937 | 31.71063 |
| 6/16/2025 | 1:00:00 AM | 33.66411 | 52.29638 | 18.63227 | 28.74773 | 36.78687 | 3.12276 | 45.21724 | 33.60874 | -0.05537 | 49.52537 | 44.15565 | 10.49154 | 31.71846 |
| 6/16/2025 | 2:00:00 AM | 33.66076 | 52.30353 | 18.64277 | 28.73723 | 36.78687 | 3.12611 | 45.21389 | 33.59783 | -0.06293 | 49.53293 | 44.14851 | 10.48775 | 31.72225 |
| 6/16/2025 | 3:00:00 AM | 33.65408 | 52.31069 | 18.65661 | 28.72339 | 36.77971 | 3.12563 | 45.21437 | 33.5942 | -0.05988 | 49.52988 | 44.15565 | 10.50157 | 31.70843 |
| 6/16/2025 | 4:00:00 AM | 33.64739 | 52.31069 | 18.6633 | 28.7167 | 36.77613 | 3.12874 | 45.21126 | 33.59057 | -0.05682 | 49.52682 | 44.14851 | 10.50112 | 31.70888 |
| 6/16/2025 | 5:00:00 AM | 33.64739 | 52.32499 | 18.6776 | 28.7024 | 36.76897 | 3.12158 | 45.21842 | 33.59783 | -0.04956 | 49.51956 | 44.15208 | 10.50469 | 31.70531 |
| 6/16/2025 | 6:00:00 AM | 33.65408 | 52.35717 | 18.70309 | 28.67691 | 36.76181 | 3.10773 | 45.23227 | 33.61601 | -0.03807 | 49.50807 | 44.17351 | 10.51943 | 31.69057 |
| 6/16/2025 | 7:00:00 AM | 33.6708 | 52.36433 | 18.69353 | 28.68647 | 36.76181 | 3.09101 | 45.24899 | 33.60874 | -0.06206 | 49.53206 | 44.16993 | 10.49913 | 31.71087 |
| 6/16/2025 | 8:00:00 AM | 33.67748 | 52.38221 | 18.70473 | 28.67527 | 36.76181 | 3.08433 | 45.25567 | 33.62691 | -0.05057 | 49.52057 | 44.18065 | 10.50317 | 31.70683 |
| 6/16/2025 | 9:00:00 AM | 33.70089 | 52.39651 | 18.69562 | 28.68438 | 36.76181 | 3.06092 | 45.27908 | 33.63781 | -0.06308 | 49.53308 | 44.18779 | 10.4869 | 31.7231 |
| 6/16/2025 | 10:00:00 AM | 33.71427 | 52.41082 | 18.69655 | 28.68345 | 36.75823 | 3.04396 | 45.29604 | 33.64871 | -0.06556 | 49.53556 | 44.18779 | 10.47352 | 31.73648 |
| 6/16/2025 | 11:00:00 AM | 33.73433 | 52.41797 | 18.68364 | 28.69636 | 36.76181 | 3.02748 | 45.31252 | 33.65235 | -0.08198 | 49.55198 | 44.19493 | 10.4606 | 31.7494 |
| 6/16/2025 | 12:00:00 PM | 33.74102 | 52.41797 | 18.67695 | 28.70305 | 36.75465 | 3.01363 | 45.32637 | 33.66325 | -0.07777 | 49.54777 | 44.19136 | 10.45034 | 31.75966 |
| 6/16/2025 | 1:00:00 PM | 33.73433 | 52.41439 | 18.68006 | 28.69994 | 36.76181 | 3.02748 | 45.31252 | 33.65962 | -0.07471 | 49.54471 | 44.18779 | 10.45346 | 31.75654 |
| 6/16/2025 | 2:00:00 PM | 33.72096 | 52.39651 | 18.67555 | 28.70445 | 36.76181 | 3.04085 | 45.29915 | 33.65598 | -0.06498 | 49.53498 | 44.18065 | 10.45969 | 31.75031 |
| 6/16/2025 | 3:00:00 PM | 33.71092 | 52.37863 | 18.66771 | 28.71229 | 36.76539 | 3.05447 | 45.28553 | 33.63781 | -0.07311 | 49.54311 | 44.17708 | 10.46616 | 31.74384 |
| 6/16/2025 | 4:00:00 PM | 33.70758 | 52.37148 | 18.6639 | 28.7161 | 36.76181 | 3.05423 | 45.28577 | 33.63418 | -0.0734 | 49.5434 | 44.17708 | 10.4695 | 31.7405 |
| 6/16/2025 | 5:00:00 PM | 33.70089 | 52.31069 | 18.6098 | 28.7702 | 36.76181 | 3.06092 | 45.27908 | 33.63418 | -0.06671 | 49.53671 | 44.17351 | 10.47262 | 31.73738 |
| 6/16/2025 | 6:00:00 PM | 33.70089 | 52.31426 | 18.61337 | 28.76663 | 36.75823 | 3.05734 | 45.28266 | 33.63418 | -0.06671 | 49.53671 | 44.17708 | 10.47619 | 31.73381 |
| 6/16/2025 | 7:00:00 PM | 33.69755 | 52.30353 | 18.60598 | 28.77402 | 36.76181 | 3.06426 | 45.27574 | 33.62691 | -0.07064 | 49.54064 | 44.16993 | 10.47238 | 31.73762 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/16/2025 | 8:00:00 PM | 33.70424 | 52.30353 | 18.59929 | 28.78071 | 36.75823 | 3.05399 | 45.28601 | 33.62691 | -0.07733 | 49.54733 | 44.16636 | 10.46212 | 31.74788 |
| 6/16/2025 | 9:00:00 PM | 33.70089 | 52.29281 | 18.59192 | 28.78808 | 36.75823 | 3.05734 | 45.28266 | 33.62327 | -0.07762 | 49.54762 | 44.16636 | 10.46547 | 31.74453 |
| 6/16/2025 | 10:00:00 PM | 33.71092 | 52.30353 | 18.59261 | 28.78739 | 36.75107 | 3.04015 | 45.29985 | 33.63054 | -0.08038 | 49.55038 | 44.17351 | 10.46259 | 31.74741 |
| 6/16/2025 | 11:00:00 PM | 33.71427 | 52.31426 | 18.59999 | 28.78001 | 36.75465 | 3.04038 | 45.29962 | 33.63418 | -0.08009 | 49.55009 | 44.18065 | 10.46638 | 31.74362 |
| 6/17/2025 | 12:00:00 AM | 33.71092 | 52.31784 | 18.60692 | 28.77308 | 36.75465 | 3.04373 | 45.29627 | 33.63418 | -0.07674 | 49.54674 | 44.17351 | 10.46259 | 31.74741 |
| 6/17/2025 | 1:00:00 AM | 33.70758 | 52.32141 | 18.61383 | 28.76617 | 36.74749 | 3.03991 | 45.30009 | 33.64144 | -0.06614 | 49.53614 | 44.17708 | 10.4695 | 31.7405 |
| 6/17/2025 | 2:00:00 AM | 33.70758 | 52.32857 | 18.62099 | 28.75901 | 36.75823 | 3.05065 | 45.28935 | 33.62691 | -0.08067 | 49.55067 | 44.16279 | 10.45521 | 31.75479 |
| 6/17/2025 | 3:00:00 AM | 33.71427 | 52.33929 | 18.62502 | 28.75498 | 36.75823 | 3.04396 | 45.29604 | 33.63781 | -0.07646 | 49.54646 | 44.17351 | 10.45924 | 31.75076 |
| 6/17/2025 | 4:00:00 AM | 33.71761 | 52.35002 | 18.63241 | 28.74759 | 36.75107 | 3.03346 | 45.30654 | 33.63781 | -0.0798 | 49.5498 | 44.18065 | 10.46304 | 31.74696 |
| 6/17/2025 | 5:00:00 AM | 33.72096 | 52.3679 | 18.64694 | 28.73306 | 36.75823 | 3.03727 | 45.30273 | 33.64508 | -0.07588 | 49.54588 | 44.18779 | 10.46683 | 31.74317 |
| 6/17/2025 | 6:00:00 AM | 33.72764 | 52.33572 | 18.60808 | 28.77192 | 36.75107 | 3.02343 | 45.31657 | 33.64508 | -0.08256 | 49.55256 | 44.18779 | 10.46015 | 31.74985 |
| 6/17/2025 | 7:00:00 AM | 33.7243 | 52.33214 | 18.60784 | 28.77216 | 36.75465 | 3.03035 | 45.30965 | 33.64871 | -0.07559 | 49.54559 | 44.18422 | 10.45992 | 31.75008 |
| 6/17/2025 | 8:00:00 AM | 33.72096 | 52.34645 | 18.62549 | 28.75451 | 36.75823 | 3.03727 | 45.30273 | 33.64508 | -0.07588 | 49.54588 | 44.19136 | 10.4704 | 31.7396 |
| 6/17/2025 | 9:00:00 AM | 33.71092 | 52.34287 | 18.63195 | 28.74805 | 36.75465 | 3.04373 | 45.29627 | 33.64871 | -0.06221 | 49.53221 | 44.17708 | 10.46616 | 31.74384 |
| 6/17/2025 | 10:00:00 AM | 33.72096 | 52.36075 | 18.63979 | 28.74021 | 36.75107 | 3.03011 | 45.30989 | 33.65235 | -0.06861 | 49.53861 | 44.19136 | 10.4704 | 31.7396 |
| 6/17/2025 | 11:00:00 AM | 33.71092 | 52.3536 | 18.64268 | 28.73732 | 36.76181 | 3.05089 | 45.28911 | 33.64144 | -0.06948 | 49.53948 | 44.17351 | 10.46259 | 31.74741 |
| 6/17/2025 | 12:00:00 PM | 33.70424 | 52.35002 | 18.64578 | 28.73422 | 36.75107 | 3.04683 | 45.29317 | 33.63418 | -0.07006 | 49.54006 | 44.16993 | 10.46569 | 31.74431 |
| 6/17/2025 | 1:00:00 PM | 33.69086 | 52.33572 | 18.64486 | 28.73514 | 36.75465 | 3.06379 | 45.27621 | 33.63054 | -0.06032 | 49.53032 | 44.16279 | 10.47193 | 31.73807 |
| 6/17/2025 | 2:00:00 PM | 33.68417 | 52.32141 | 18.63724 | 28.74276 | 36.74749 | 3.06332 | 45.27668 | 33.61601 | -0.06816 | 49.53816 | 44.15565 | 10.47148 | 31.73852 |
| 6/17/2025 | 3:00:00 PM | 33.66411 | 52.29996 | 18.63585 | 28.74415 | 36.74749 | 3.08338 | 45.25662 | 33.6051 | -0.05901 | 49.52901 | 44.14136 | 10.47725 | 31.73275 |
| 6/17/2025 | 4:00:00 PM | 33.65742 | 52.28208 | 18.62466 | 28.75534 | 36.74033 | 3.08291 | 45.25709 | 33.5942 | -0.06322 | 49.53322 | 44.13422 | 10.4768 | 31.7332 |
| 6/17/2025 | 5:00:00 PM | 33.63736 | 52.26062 | 18.62326 | 28.75674 | 36.74391 | 3.10655 | 45.23345 | 33.58693 | -0.05043 | 49.52043 | 44.12708 | 10.48972 | 31.72028 |
| 6/17/2025 | 6:00:00 PM | 33.62398 | 52.23559 | 18.61161 | 28.76839 | 36.73317 | 3.10919 | 45.23081 | 33.5724 | -0.05158 | 49.52158 | 44.10922 | 10.48524 | 31.72476 |
| 6/17/2025 | 7:00:00 PM | 33.60726 | 52.10327 | 18.49601 | 28.88399 | 36.73317 | 3.12591 | 45.21409 | 33.55422 | -0.05304 | 49.52304 | 44.09851 | 10.49125 | 31.71875 |
| 6/17/2025 | 8:00:00 PM | 33.60057 | 52.08539 | 18.48482 | 28.89518 | 36.72244 | 3.12187 | 45.21813 | 33.54696 | -0.05361 | 49.52361 | 44.08779 | 10.48722 | 31.72278 |
| 6/17/2025 | 9:00:00 PM | 33.5872 | 52.08897 | 18.50177 | 28.87823 | 36.71886 | 3.13166 | 45.20834 | 33.53605 | -0.05115 | 49.52115 | 44.08779 | 10.50059 | 31.70941 |
| 6/17/2025 | 10:00:00 PM | 33.5872 | 52.09255 | 18.50535 | 28.87465 | 36.7117 | 3.1245 | 45.2155 | 33.53605 | -0.05115 | 49.52115 | 44.09494 | 10.50774 | 31.70226 |
| 6/17/2025 | 11:00:00 PM | 33.58051 | 52.10685 | 18.52634 | 28.85366 | 36.70812 | 3.12761 | 45.21239 | 33.54332 | -0.03719 | 49.50719 | 44.09137 | 10.51086 | 31.69914 |
| 6/18/2025 | 12:00:00 AM | 33.61729 | 52.12115 | 18.50386 | 28.87614 | 36.70454 | 3.08725 | 45.25275 | 33.55059 | -0.0667 | 49.5367 | 44.08779 | 10.4705 | 31.7395 |
| 6/18/2025 | 1:00:00 AM | 33.60392 | 52.11758 | 18.51366 | 28.86634 | 36.70096 | 3.09704 | 45.24296 | 33.53605 | -0.06787 | 49.53787 | 44.07351 | 10.46959 | 31.74041 |
| 6/18/2025 | 2:00:00 AM | 33.61729 | 52.12115 | 18.50386 | 28.87614 | 36.69738 | 3.08009 | 45.25991 | 33.54332 | -0.07397 | 49.54397 | 44.08065 | 10.46336 | 31.74664 |
| 6/18/2025 | 3:00:00 AM | 33.6106 | 52.13903 | 18.52843 | 28.85157 | 36.69022 | 3.07962 | 45.26038 | 33.54696 | -0.06364 | 49.53364 | 44.07708 | 10.46648 | 31.74352 |
| 6/18/2025 | 4:00:00 AM | 33.62064 | 52.14976 | 18.52912 | 28.85088 | 36.68306 | 3.06242 | 45.27758 | 33.54696 | -0.07368 | 49.54368 | 44.08422 | 10.46358 | 31.74642 |
| 6/18/2025 | 5:00:00 AM | 33.62064 | 52.16049 | 18.53985 | 28.84015 | 36.68306 | 3.06242 | 45.27758 | 33.54696 | -0.07368 | 49.54368 | 44.08065 | 10.46001 | 31.74999 |
| 6/18/2025 | 6:00:00 AM | 33.61729 | 52.16764 | 18.55035 | 28.82965 | 36.67948 | 3.06219 | 45.27781 | 33.54696 | -0.07033 | 49.54033 | 44.08422 | 10.46693 | 31.74307 |
| 6/18/2025 | 7:00:00 AM | 33.62398 | 52.18552 | 18.56154 | 28.81846 | 36.67948 | 3.0555 | 45.2845 | 33.54696 | -0.07702 | 49.54702 | 44.08422 | 10.46024 | 31.74976 |
| 6/18/2025 | 8:00:00 AM | 33.62398 | 52.1891 | 18.56512 | 28.81488 | 36.6759 | 3.05192 | 45.28808 | 33.55059 | -0.07339 | 49.54339 | 44.08065 | 10.45667 | 31.75333 |
| 6/18/2025 | 9:00:00 AM | 33.62398 | 52.2034 | 18.57942 | 28.80058 | 36.67232 | 3.04834 | 45.29166 | 33.55422 | -0.06976 | 49.53976 | 44.08065 | 10.45667 | 31.75333 |
| 6/18/2025 | 10:00:00 AM | 33.63067 | 52.21056 | 18.57989 | 28.80011 | 36.67232 | 3.04165 | 45.29835 | 33.55059 | -0.08008 | 49.55008 | 44.08422 | 10.45355 | 31.75645 |
| 6/18/2025 | 11:00:00 AM | 33.63067 | 52.21771 | 18.58704 | 28.79296 | 36.6759 | 3.04523 | 45.29477 | 33.55422 | -0.07645 | 49.54645 | 44.08779 | 10.45712 | 31.75288 |
| 6/18/2025 | 12:00:00 PM | 33.64739 | 52.24632 | 18.59893 | 28.78107 | 36.67232 | 3.02493 | 45.31507 | 33.5724 | -0.07499 | 49.54499 | 44.11279 | 10.4654 | 31.7446 |
| 6/18/2025 | 1:00:00 PM | 33.65742 | 52.25347 | 18.59605 | 28.78395 | 36.66874 | 3.01132 | 45.32868 | 33.5724 | -0.08502 | 49.55502 | 44.10208 | 10.44466 | 31.76534 |
| 6/18/2025 | 2:00:00 PM | 33.67414 | 52.27135 | 18.59721 | 28.78279 | 36.67232 | 2.99818 | 45.34182 | 33.59057 | -0.08357 | 49.55357 | 44.11636 | 10.44222 | 31.76778 |
| 6/18/2025 | 3:00:00 PM | 33.68417 | 52.27135 | 18.58718 | 28.79282 | 36.6759 | 2.99173 | 45.34827 | 33.60147 | -0.0827 | 49.5527 | 44.11636 | 10.43219 | 31.77781 |
| 6/18/2025 | 4:00:00 PM | 33.69755 | 52.28208 | 18.58453 | 28.79547 | 36.66874 | 2.97119 | 45.36881 | 33.61237 | -0.08518 | 49.55518 | 44.12708 | 10.42953 | 31.78047 |
| 6/18/2025 | 5:00:00 PM | 33.70758 | 52.28565 | 18.57807 | 28.80193 | 36.6759 | 2.96832 | 45.37168 | 33.61964 | -0.08794 | 49.55794 | 44.13422 | 10.42664 | 31.78336 |
| 6/18/2025 | 6:00:00 PM | 33.7243 | 52.28923 | 18.56493 | 28.81507 | 36.6759 | 2.9516 | 45.3884 | 33.62691 | -0.09739 | 49.56739 | 44.14494 | 10.42064 | 31.78936 |
| 6/18/2025 | 7:00:00 PM | 33.73768 | 52.30711 | 18.56943 | 28.81057 | 36.68664 | 2.94896 | 45.39104 | 33.63781 | -0.09987 | 49.56987 | 44.15565 | 10.41797 | 31.79203 |
| 6/18/2025 | 8:00:00 PM | 33.73768 | 52.30711 | 18.56943 | 28.81057 | 36.6938 | 2.95612 | 45.38388 | 33.64871 | -0.08897 | 49.55897 | 44.16636 | 10.42868 | 31.78132 |
| 6/18/2025 | 9:00:00 PM | 33.7243 | 52.29638 | 18.57208 | 28.80792 | 36.69738 | 2.97308 | 45.36692 | 33.65235 | -0.07195 | 49.54195 | 44.15208 | 10.42778 | 31.78222 |
| 6/18/2025 | 10:00:00 PM | 33.73433 | 52.29638 | 18.56205 | 28.81795 | 36.70454 | 2.97021 | 45.36979 | 33.64871 | -0.08562 | 49.55562 | 44.16279 | 10.42846 | 31.78154 |
| 6/18/2025 | 11:00:00 PM | 33.73768 | 52.29996 | 18.56228 | 28.81772 | 36.70812 | 2.97044 | 45.36956 | 33.65235 | -0.08533 | 49.55533 | 44.16636 | 10.42868 | 31.78132 |
| 6/19/2025 | 12:00:00 AM | 33.72764 | 52.31069 | 18.58305 | 28.79695 | 36.70454 | 2.9769 | 45.3631 | 33.65598 | -0.07166 | 49.54166 | 44.16636 | 10.43872 | 31.77128 |
| 6/19/2025 | 1:00:00 AM | 33.73099 | 52.31069 | 18.5797 | 28.8003 | 36.71886 | 2.98787 | 45.35213 | 33.65235 | -0.07864 | 49.54864 | 44.16993 | 10.43894 | 31.77106 |
| 6/19/2025 | 2:00:00 AM | 33.71427 | 52.30711 | 18.59284 | 28.78716 | 36.7117 | 2.99743 | 45.34257 | 33.64508 | -0.06919 | 49.53919 | 44.15922 | 10.44495 | 31.76505 |
| 6/19/2025 | 3:00:00 AM | 33.70758 | 52.29996 | 18.59238 | 28.78762 | 36.71528 | 3.0077 | 45.3323 | 33.63418 | -0.0734 | 49.5434 | 44.15922 | 10.45164 | 31.75836 |
| 6/19/2025 | 4:00:00 AM | 33.70424 | 52.31426 | 18.61002 | 28.76998 | 36.71886 | 3.01462 | 45.32538 | 33.63418 | -0.07006 | 49.54006 | 44.16279 | 10.45855 | 31.75145 |
| 6/19/2025 | 5:00:00 AM | 33.70424 | 52.31426 | 18.61002 | 28.76998 | 36.71886 | 3.01462 | 45.32538 | 33.63054 | -0.0737 | 49.5437 | 44.16636 | 10.46212 | 31.74788 |
| 6/19/2025 | 6:00:00 AM | 33.70424 | 52.32141 | 18.61717 | 28.76283 | 36.72601 | 3.02177 | 45.31823 | 33.63054 | -0.0737 | 49.5437 | 44.16279 | 10.45855 | 31.75145 |
| 6/19/2025 | 7:00:00 AM | 33.70424 | 52.32857 | 18.62433 | 28.75567 | 36.72244 | 3.0182 | 45.3218 | 33.63054 | -0.0737 | 49.5437 | 44.15922 | 10.45498 | 31.75502 |
| 6/19/2025 | 8:00:00 AM | 33.70758 | 52.32857 | 18.62099 | 28.75901 | 36.71886 | 3.01128 | 45.32872 | 33.63054 | -0.07704 | 49.54704 | 44.15922 | 10.45164 | 31.75836 |
| 6/19/2025 | 9:00:00 AM | 33.68417 | 52.32141 | 18.63724 | 28.74276 | 36.72601 | 3.04184 | 45.29816 | 33.62327 | -0.0609 | 49.5309 | 44.14851 | 10.46434 | 31.74566 |
| 6/19/2025 | 10:00:00 AM | 33.65742 | 52.30353 | 18.64611 | 28.73389 | 36.71886 | 3.06144 | 45.27856 | 33.60147 | -0.05595 | 49.52595 | 44.13065 | 10.47323 | 31.73677 |
| 6/19/2025 | 11:00:00 AM | 33.65073 | 52.28565 | 18.63492 | 28.74508 | 36.71528 | 3.06455 | 45.27545 | 33.59057 | -0.06016 | 49.53016 | 44.11636 | 10.46563 | 31.74437 |
| 6/19/2025 | 12:00:00 PM | 33.6407 | 52.2785 | 18.6378 | 28.7422 | 36.71528 | 3.07458 | 45.26542 | 33.5833 | -0.0574 | 49.5274 | 44.11279 | 10.47209 | 31.73791 |
| 6/19/2025 | 1:00:00 PM | 33.62398 | 52.26062 | 18.63664 | 28.74336 | 36.71528 | 3.0913 | 45.2487 | 33.56513 | -0.05885 | 49.52885 | 44.09851 | 10.47453 | 31.73547 |
| 6/19/2025 | 2:00:00 PM | 33.60392 | 52.24274 | 18.63882 | 28.74118 | 36.70454 | 3.10062 | 45.23938 | 33.55422 | -0.0497 | 49.5197 | 44.08422 | 10.4803 | 31.7297 |
| 6/19/2025 | 3:00:00 PM | 33.5872 | 52.21771 | 18.63051 | 28.74949 | 36.70096 | 3.11376 | 45.22624 | 33.53605 | -0.05115 | 49.52115 | 44.06994 | 10.48274 | 31.72726 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/19/2025 | 4:00:00 PM | 33.57382 | 52.1891 | 18.61528 | 28.76472 | 36.69738 | 3.12356 | 45.21644 | 33.52152 | -0.0523 | 49.5223 | 44.05922 | 10.4854 | 31.7246 |
| 6/19/2025 | 5:00:00 PM | 33.56044 | 52.17122 | 18.61078 | 28.76922 | 36.68306 | 3.12262 | 45.21738 | 33.51061 | -0.04983 | 49.51983 | 44.05208 | 10.49164 | 31.71836 |
| 6/19/2025 | 6:00:00 PM | 33.54372 | 52.14976 | 18.60604 | 28.77396 | 36.6759 | 3.13218 | 45.20782 | 33.49244 | -0.05128 | 49.52128 | 44.03065 | 10.48693 | 31.72307 |
| 6/19/2025 | 7:00:00 PM | 33.53369 | 52.114 | 18.58031 | 28.79969 | 36.67232 | 3.13863 | 45.20137 | 33.48154 | -0.05215 | 49.52215 | 44.0128 | 10.47911 | 31.73089 |
| 6/19/2025 | 8:00:00 PM | 33.527 | 52.10685 | 18.57985 | 28.80015 | 36.65084 | 3.12384 | 45.21616 | 33.47427 | -0.05273 | 49.52273 | 44.00923 | 10.48223 | 31.72777 |
| 6/19/2025 | 9:00:00 PM | 33.52032 | 52.09612 | 18.5758 | 28.8042 | 36.65084 | 3.13052 | 45.20948 | 33.46701 | -0.05331 | 49.52331 | 43.99851 | 10.47819 | 31.73181 |
| 6/19/2025 | 10:00:00 PM | 33.51363 | 52.08539 | 18.57176 | 28.80824 | 36.64726 | 3.13363 | 45.20637 | 33.4561 | -0.05753 | 49.52753 | 43.99137 | 10.47774 | 31.73226 |
| 6/19/2025 | 11:00:00 PM | 33.49691 | 52.08539 | 18.58848 | 28.79152 | 36.63653 | 3.13962 | 45.20038 | 33.4452 | -0.05171 | 49.52171 | 43.97351 | 10.4766 | 31.7334 |
| 6/20/2025 | 12:00:00 AM | 33.48688 | 52.06751 | 18.58063 | 28.79937 | 36.62579 | 3.13891 | 45.20109 | 33.43066 | -0.05622 | 49.52622 | 43.96637 | 10.47949 | 31.73051 |
| 6/20/2025 | 1:00:00 AM | 33.48019 | 52.06751 | 18.58732 | 28.79268 | 36.61505 | 3.13486 | 45.20514 | 33.4234 | -0.05679 | 49.52679 | 43.95208 | 10.47189 | 31.73811 |
| 6/20/2025 | 2:00:00 AM | 33.47016 | 52.06394 | 18.59378 | 28.78622 | 36.61147 | 3.14131 | 45.19869 | 33.41613 | -0.05403 | 49.52403 | 43.95923 | 10.48907 | 31.72093 |
| 6/20/2025 | 3:00:00 AM | 33.46347 | 52.06751 | 18.60404 | 28.77596 | 36.59715 | 3.13368 | 45.20632 | 33.41613 | -0.04734 | 49.51734 | 43.94137 | 10.4779 | 31.7321 |
| 6/20/2025 | 4:00:00 AM | 33.4735 | 52.08539 | 18.61189 | 28.76811 | 36.59357 | 3.12007 | 45.21993 | 33.41249 | -0.06101 | 49.53101 | 43.94494 | 10.47144 | 31.73856 |
| 6/20/2025 | 5:00:00 AM | 33.4735 | 52.08539 | 18.61189 | 28.76811 | 36.58283 | 3.10933 | 45.23067 | 33.40886 | -0.06464 | 49.53464 | 43.93423 | 10.46073 | 31.74927 |
| 6/20/2025 | 6:00:00 AM | 33.46347 | 52.09255 | 18.62908 | 28.75092 | 36.57209 | 3.10862 | 45.23138 | 33.40522 | -0.05825 | 49.52825 | 43.93066 | 10.46719 | 31.74281 |
| 6/20/2025 | 7:00:00 AM | 33.45009 | 52.08539 | 18.6353 | 28.7447 | 36.57209 | 3.122 | 45.218 | 33.39069 | -0.0594 | 49.5294 | 43.91637 | 10.46628 | 31.74372 |
| 6/20/2025 | 8:00:00 AM | 33.4434 | 52.08897 | 18.64557 | 28.73443 | 36.56852 | 3.12512 | 45.21488 | 33.39069 | -0.05271 | 49.52271 | 43.91994 | 10.47654 | 31.73346 |
| 6/20/2025 | 9:00:00 AM | 33.4434 | 52.09612 | 18.65272 | 28.72728 | 36.5542 | 3.1108 | 45.2292 | 33.38342 | -0.05998 | 49.52998 | 43.91637 | 10.47297 | 31.73703 |
| 6/20/2025 | 10:00:00 AM | 33.45009 | 52.11043 | 18.66034 | 28.71966 | 36.5542 | 3.10411 | 45.23589 | 33.38342 | -0.06667 | 49.53667 | 43.9128 | 10.46271 | 31.74729 |
| 6/20/2025 | 11:00:00 AM | 33.45344 | 52.114 | 18.66056 | 28.71944 | 36.54346 | 3.09002 | 45.24998 | 33.37979 | -0.07365 | 49.54365 | 43.91637 | 10.46293 | 31.74707 |
| 6/20/2025 | 12:00:00 PM | 33.45009 | 52.11043 | 18.66034 | 28.71966 | 36.53988 | 3.08979 | 45.25021 | 33.38342 | -0.06667 | 49.53667 | 43.90923 | 10.45914 | 31.75086 |
| 6/20/2025 | 1:00:00 PM | 33.43337 | 52.114 | 18.68063 | 28.69937 | 36.52198 | 3.08861 | 45.25139 | 33.37252 | -0.06085 | 49.53085 | 43.89852 | 10.46515 | 31.74485 |
| 6/20/2025 | 2:00:00 PM | 33.4434 | 52.12115 | 18.67775 | 28.70225 | 36.52914 | 3.08574 | 45.25426 | 33.37979 | -0.06361 | 49.53361 | 43.90209 | 10.45869 | 31.75131 |
| 6/20/2025 | 3:00:00 PM | 33.44006 | 52.12115 | 18.68109 | 28.69891 | 36.5184 | 3.07834 | 45.26166 | 33.37615 | -0.06391 | 49.53391 | 43.89852 | 10.45846 | 31.75154 |
| 6/20/2025 | 4:00:00 PM | 33.43672 | 52.114 | 18.67728 | 28.70272 | 36.5184 | 3.08168 | 45.25832 | 33.37615 | -0.06057 | 49.53057 | 43.89494 | 10.45822 | 31.75178 |
| 6/20/2025 | 5:00:00 PM | 33.44675 | 52.12831 | 18.68156 | 28.69844 | 36.51482 | 3.06807 | 45.27193 | 33.37252 | -0.07423 | 49.54423 | 43.90209 | 10.45534 | 31.75466 |
| 6/20/2025 | 6:00:00 PM | 33.4434 | 52.12115 | 18.67775 | 28.70225 | 36.50766 | 3.06426 | 45.27574 | 33.37615 | -0.06725 | 49.53725 | 43.89494 | 10.45154 | 31.75846 |
| 6/20/2025 | 7:00:00 PM | 33.45344 | 52.12831 | 18.67487 | 28.70513 | 36.50408 | 3.05064 | 45.28936 | 33.37615 | -0.07729 | 49.54729 | 43.90566 | 10.45222 | 31.75778 |
| 6/20/2025 | 8:00:00 PM | 33.47016 | 52.13903 | 18.66887 | 28.71113 | 36.50408 | 3.03392 | 45.30608 | 33.39432 | -0.07584 | 49.54584 | 43.9128 | 10.44264 | 31.76736 |
| 6/20/2025 | 9:00:00 PM | 33.46681 | 52.07824 | 18.61143 | 28.76857 | 36.50408 | 3.03727 | 45.30273 | 33.39432 | -0.07249 | 49.54249 | 43.89494 | 10.42813 | 31.78187 |
| 6/20/2025 | 10:00:00 PM | 33.48353 | 52.08539 | 18.60186 | 28.77814 | 36.5005 | 3.01697 | 45.32303 | 33.40159 | -0.08194 | 49.55194 | 43.91637 | 10.43284 | 31.77716 |
| 6/20/2025 | 11:00:00 PM | 33.4735 | 52.08897 | 18.61547 | 28.76453 | 36.49692 | 3.02342 | 45.31658 | 33.39796 | -0.07554 | 49.54554 | 43.90566 | 10.43216 | 31.77784 |
| 6/21/2025 | 12:00:00 AM | 33.49022 | 52.09612 | 18.6059 | 28.7741 | 36.49334 | 3.00312 | 45.33688 | 33.41249 | -0.07773 | 49.54773 | 43.92351 | 10.43329 | 31.77671 |
| 6/21/2025 | 1:00:00 AM | 33.49356 | 52.12831 | 18.63475 | 28.74525 | 36.49692 | 3.00336 | 45.33664 | 33.41613 | -0.07743 | 49.54743 | 43.92709 | 10.43353 | 31.77647 |
| 6/21/2025 | 2:00:00 AM | 33.50694 | 52.14619 | 18.63925 | 28.74075 | 36.5005 | 2.99356 | 45.34644 | 33.4234 | -0.08354 | 49.55354 | 43.92709 | 10.42015 | 31.78985 |
| 6/21/2025 | 3:00:00 AM | 33.50694 | 52.15691 | 18.64997 | 28.73003 | 36.50408 | 2.99714 | 45.34286 | 33.43793 | -0.06901 | 49.53901 | 43.93423 | 10.42729 | 31.78271 |
| 6/21/2025 | 4:00:00 AM | 33.5036 | 52.16049 | 18.65689 | 28.72311 | 36.49334 | 2.98974 | 45.35026 | 33.42703 | -0.07657 | 49.54657 | 43.93423 | 10.43063 | 31.77937 |
| 6/21/2025 | 5:00:00 AM | 33.51028 | 52.18552 | 18.67524 | 28.70476 | 36.50408 | 2.9938 | 45.3462 | 33.43066 | -0.07962 | 49.54962 | 43.94494 | 10.43466 | 31.77534 |
| 6/21/2025 | 6:00:00 AM | 33.52032 | 52.20698 | 18.68666 | 28.69334 | 36.50766 | 2.98734 | 45.35266 | 33.43793 | -0.08239 | 49.55239 | 43.95566 | 10.43534 | 31.77466 |
| 6/21/2025 | 7:00:00 AM | 33.52032 | 52.21413 | 18.69381 | 28.68619 | 36.50408 | 2.98376 | 45.35624 | 33.4343 | -0.08602 | 49.55602 | 43.94851 | 10.42819 | 31.78181 |
| 6/21/2025 | 8:00:00 AM | 33.52032 | 52.23559 | 18.71527 | 28.66473 | 36.5005 | 2.98018 | 45.35982 | 33.43793 | -0.08239 | 49.55239 | 43.95923 | 10.43891 | 31.77109 |
| 6/21/2025 | 9:00:00 AM | 33.53369 | 52.26062 | 18.72693 | 28.65307 | 36.50766 | 2.97397 | 45.36603 | 33.4452 | -0.08849 | 49.55849 | 43.97351 | 10.43982 | 31.77018 |
| 6/21/2025 | 10:00:00 AM | 33.53369 | 52.26777 | 18.73408 | 28.64592 | 36.51482 | 2.98113 | 45.35887 | 33.4561 | -0.07759 | 49.54759 | 43.96994 | 10.43625 | 31.77375 |
| 6/21/2025 | 11:00:00 AM | 33.55041 | 52.29281 | 18.7424 | 28.6376 | 36.51124 | 2.96083 | 45.37917 | 33.45974 | -0.09067 | 49.56067 | 43.98423 | 10.43382 | 31.77618 |
| 6/21/2025 | 12:00:00 PM | 33.55376 | 52.2785 | 18.72474 | 28.65526 | 36.5184 | 2.96464 | 45.37536 | 33.47064 | -0.08312 | 49.55312 | 43.98066 | 10.4269 | 31.7831 |
| 6/21/2025 | 1:00:00 PM | 33.56713 | 52.27493 | 18.7078 | 28.6722 | 36.52198 | 2.95485 | 45.38515 | 33.48518 | -0.08195 | 49.55195 | 43.9878 | 10.42067 | 31.78933 |
| 6/21/2025 | 2:00:00 PM | 33.57382 | 52.29281 | 18.71899 | 28.66101 | 36.52198 | 2.94816 | 45.39184 | 33.48154 | -0.09228 | 49.56228 | 43.99851 | 10.42469 | 31.78531 |
| 6/21/2025 | 3:00:00 PM | 33.58051 | 52.29996 | 18.71945 | 28.66055 | 36.52556 | 2.94505 | 45.39495 | 33.49608 | -0.08443 | 49.55443 | 44.0128 | 10.43229 | 31.77771 |
| 6/21/2025 | 4:00:00 PM | 33.59054 | 52.31784 | 18.7273 | 28.6527 | 36.52914 | 2.9386 | 45.4014 | 33.49608 | -0.09446 | 49.56446 | 44.0128 | 10.42226 | 31.78774 |
| 6/21/2025 | 5:00:00 PM | 33.60057 | 52.33572 | 18.73515 | 28.64485 | 36.5363 | 2.93573 | 45.40427 | 33.51061 | -0.08996 | 49.55996 | 44.01994 | 10.41937 | 31.79063 |
| 6/21/2025 | 6:00:00 PM | 33.61395 | 52.35002 | 18.73607 | 28.64393 | 36.53988 | 2.92593 | 45.41407 | 33.52152 | -0.09243 | 49.56243 | 44.0378 | 10.42385 | 31.78615 |
| 6/21/2025 | 7:00:00 PM | 33.62732 | 52.35717 | 18.72985 | 28.65015 | 36.54704 | 2.91972 | 45.42028 | 33.52879 | -0.09853 | 49.56853 | 44.0378 | 10.41048 | 31.79952 |
| 6/21/2025 | 8:00:00 PM | 33.64404 | 52.38578 | 18.74174 | 28.63826 | 36.55062 | 2.90658 | 45.43342 | 33.55059 | -0.09345 | 49.56345 | 44.04494 | 10.4009 | 31.8091 |
| 6/21/2025 | 9:00:00 PM | 33.63736 | 52.39651 | 18.75915 | 28.62085 | 36.55778 | 2.92042 | 45.41958 | 33.55422 | -0.08314 | 49.55314 | 44.05208 | 10.41472 | 31.79528 |
| 6/21/2025 | 10:00:00 PM | 33.66745 | 52.41797 | 18.75052 | 28.62948 | 36.56494 | 2.89749 | 45.44251 | 33.57603 | -0.09142 | 49.56142 | 44.07708 | 10.40963 | 31.80037 |
| 6/21/2025 | 11:00:00 PM | 33.68417 | 52.42512 | 18.74095 | 28.63905 | 36.57925 | 2.89508 | 45.44492 | 33.5833 | -0.10087 | 49.57087 | 44.09137 | 10.4072 | 31.8028 |
| 6/22/2025 | 12:00:00 AM | 33.68417 | 52.43227 | 18.7481 | 28.6319 | 36.57925 | 2.89508 | 45.44492 | 33.58693 | -0.09724 | 49.56724 | 44.09137 | 10.4072 | 31.8028 |
| 6/22/2025 | 1:00:00 AM | 33.70424 | 52.45015 | 18.74591 | 28.63409 | 36.58283 | 2.87859 | 45.46141 | 33.60147 | -0.10277 | 49.57277 | 44.10922 | 10.40498 | 31.80502 |
| 6/22/2025 | 2:00:00 AM | 33.70758 | 52.45373 | 18.74615 | 28.63385 | 36.59357 | 2.88599 | 45.45401 | 33.6051 | -0.10248 | 49.57248 | 44.11279 | 10.40521 | 31.80479 |
| 6/22/2025 | 3:00:00 AM | 33.71092 | 52.46446 | 18.75354 | 28.62646 | 36.60789 | 2.89697 | 45.44303 | 33.61964 | -0.09128 | 49.56128 | 44.11636 | 10.40544 | 31.80456 |
| 6/22/2025 | 4:00:00 AM | 33.70758 | 52.46446 | 18.75688 | 28.62312 | 36.61505 | 2.90747 | 45.43253 | 33.61964 | -0.08794 | 49.55794 | 44.11636 | 10.40878 | 31.80122 |
| 6/22/2025 | 5:00:00 AM | 33.72096 | 52.4573 | 18.73634 | 28.64366 | 36.62221 | 2.90125 | 45.43875 | 33.62691 | -0.09405 | 49.56405 | 44.13065 | 10.40969 | 31.80031 |
| 6/22/2025 | 6:00:00 AM | 33.73768 | 52.48234 | 18.74466 | 28.63534 | 36.62221 | 2.88453 | 45.45547 | 33.63418 | -0.1035 | 49.5735 | 44.14494 | 10.40726 | 31.80274 |
| 6/22/2025 | 7:00:00 AM | 33.75105 | 52.49307 | 18.74202 | 28.63798 | 36.63295 | 2.8819 | 45.4581 | 33.65235 | -0.0987 | 49.5687 | 44.15922 | 10.40817 | 31.80183 |
| 6/22/2025 | 8:00:00 AM | 33.76777 | 52.51095 | 18.74318 | 28.63682 | 36.64369 | 2.87592 | 45.46408 | 33.66688 | -0.10089 | 49.57089 | 44.17351 | 10.40574 | 31.80426 |
| 6/22/2025 | 9:00:00 AM | 33.7778 | 52.5181 | 18.7403 | 28.6397 | 36.65442 | 2.87662 | 45.46338 | 33.67415 | -0.10365 | 49.57365 | 44.17351 | 10.39571 | 31.81429 |
| 6/22/2025 | 10:00:00 AM | 33.78115 | 52.53598 | 18.75483 | 28.62517 | 36.66158 | 2.88043 | 45.45957 | 33.68505 | -0.0961 | 49.5661 | 44.18422 | 10.40307 | 31.80693 |
| 6/22/2025 | 11:00:00 AM | 33.78784 | 52.53955 | 18.75171 | 28.62829 | 36.67232 | 2.88448 | 45.45552 | 33.69232 | -0.09552 | 49.56552 | 44.19493 | 10.40709 | 31.80291 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/22/2025 | 12:00:00 PM | 33.80456 | 52.52883 | 18.72427 | 28.65573 | 36.6759 | 2.87134 | 45.46866 | 33.70323 | -0.10133 | 49.57133 | 44.20565 | 10.40109 | 31.80891 |
| 6/22/2025 | 1:00:00 PM | 33.80456 | 52.52883 | 18.72427 | 28.65573 | 36.68306 | 2.8785 | 45.4615 | 33.70323 | -0.10133 | 49.57133 | 44.20922 | 10.40466 | 31.80534 |
| 6/22/2025 | 2:00:00 PM | 33.8079 | 52.5324 | 18.7245 | 28.6555 | 36.68664 | 2.87874 | 45.46126 | 33.71049 | -0.09741 | 49.56741 | 44.21636 | 10.40846 | 31.80154 |
| 6/22/2025 | 3:00:00 PM | 33.80456 | 52.5324 | 18.72784 | 28.65216 | 36.70812 | 2.90356 | 45.43644 | 33.71413 | -0.09043 | 49.56043 | 44.20565 | 10.40109 | 31.80891 |
| 6/22/2025 | 4:00:00 PM | 33.80456 | 52.53955 | 18.73499 | 28.64501 | 36.7117 | 2.90714 | 45.43286 | 33.7214 | -0.08316 | 49.55316 | 44.21993 | 10.41537 | 31.79463 |
| 6/22/2025 | 5:00:00 PM | 33.80121 | 52.53955 | 18.73834 | 28.64166 | 36.71886 | 2.91765 | 45.42235 | 33.71049 | -0.09072 | 49.56072 | 44.20922 | 10.40801 | 31.80199 |
| 6/22/2025 | 6:00:00 PM | 33.79452 | 52.52525 | 18.73073 | 28.64927 | 36.72244 | 2.92792 | 45.41208 | 33.71049 | -0.08403 | 49.55403 | 44.21279 | 10.41827 | 31.79173 |
| 6/22/2025 | 7:00:00 PM | 33.80456 | 52.54671 | 18.74215 | 28.63785 | 36.72601 | 2.92145 | 45.41855 | 33.71413 | -0.09043 | 49.56043 | 44.22708 | 10.42252 | 31.78748 |
| 6/22/2025 | 8:00:00 PM | 33.80121 | 52.53955 | 18.73834 | 28.64166 | 36.73675 | 2.93554 | 45.40446 | 33.71776 | -0.08345 | 49.55345 | 44.2235 | 10.42229 | 31.78771 |
| 6/22/2025 | 9:00:00 PM | 33.80456 | 52.53955 | 18.73499 | 28.64501 | 36.74033 | 2.93577 | 45.40423 | 33.71413 | -0.09043 | 49.56043 | 44.2235 | 10.41894 | 31.79106 |
| 6/22/2025 | 10:00:00 PM | 33.80456 | 52.47876 | 18.6742 | 28.7058 | 36.74749 | 2.94293 | 45.39707 | 33.71776 | -0.0868 | 49.5568 | 44.2235 | 10.41894 | 31.79106 |
| 6/22/2025 | 11:00:00 PM | 33.80121 | 52.47876 | 18.67755 | 28.70245 | 36.74391 | 2.9427 | 45.3973 | 33.72866 | -0.07255 | 49.54255 | 44.22708 | 10.42587 | 31.78413 |
| 6/23/2025 | 12:00:00 AM | 33.80456 | 52.48234 | 18.67778 | 28.70222 | 36.74749 | 2.94293 | 45.39707 | 33.71413 | -0.09043 | 49.56043 | 44.22708 | 10.42252 | 31.78748 |
| 6/23/2025 | 1:00:00 AM | 33.80121 | 52.47876 | 18.67755 | 28.70245 | 36.75465 | 2.95344 | 45.38656 | 33.71413 | -0.08708 | 49.55708 | 44.23065 | 10.42944 | 31.78056 |
| 6/23/2025 | 2:00:00 AM | 33.78784 | 52.47876 | 18.69092 | 28.68908 | 36.75107 | 2.96323 | 45.37677 | 33.71049 | -0.07735 | 49.54735 | 44.21279 | 10.42495 | 31.78505 |
| 6/23/2025 | 3:00:00 AM | 33.77112 | 52.47161 | 18.70049 | 28.67951 | 36.75823 | 2.98711 | 45.35289 | 33.70323 | -0.06789 | 49.53789 | 44.20922 | 10.4381 | 31.7719 |
| 6/23/2025 | 4:00:00 AM | 33.77112 | 52.48234 | 18.71122 | 28.66878 | 36.75465 | 2.98353 | 45.35647 | 33.70323 | -0.06789 | 49.53789 | 44.21636 | 10.44524 | 31.76476 |
| 6/23/2025 | 5:00:00 AM | 33.76777 | 52.47518 | 18.70741 | 28.67259 | 36.76181 | 2.99404 | 45.34596 | 33.69232 | -0.07545 | 49.54545 | 44.20565 | 10.43788 | 31.77212 |
| 6/23/2025 | 6:00:00 AM | 33.76443 | 52.47161 | 18.70718 | 28.67282 | 36.76539 | 3.00096 | 45.33904 | 33.68869 | -0.07574 | 49.54574 | 44.20565 | 10.44122 | 31.76878 |
| 6/23/2025 | 7:00:00 AM | 33.76443 | 52.47161 | 18.70718 | 28.67282 | 36.76181 | 2.99738 | 45.34262 | 33.68505 | -0.07938 | 49.54938 | 44.19493 | 10.4305 | 31.7795 |
| 6/23/2025 | 8:00:00 AM | 33.7544 | 52.47518 | 18.72078 | 28.65922 | 36.76539 | 3.01099 | 45.32901 | 33.68142 | -0.07298 | 49.54298 | 44.20208 | 10.44768 | 31.76232 |
| 6/23/2025 | 9:00:00 AM | 33.74102 | 52.46446 | 18.72344 | 28.65656 | 36.75823 | 3.01721 | 45.32279 | 33.67052 | -0.0705 | 49.5405 | 44.18422 | 10.4432 | 31.7668 |
| 6/23/2025 | 10:00:00 AM | 33.73433 | 52.45015 | 18.71582 | 28.66418 | 36.76539 | 3.03106 | 45.30894 | 33.65598 | -0.07835 | 49.54835 | 44.16993 | 10.4356 | 31.7744 |
| 6/23/2025 | 11:00:00 AM | 33.7243 | 52.46803 | 18.74373 | 28.63627 | 36.75823 | 3.03393 | 45.30607 | 33.65235 | -0.07195 | 49.54195 | 44.16993 | 10.44563 | 31.76437 |
| 6/23/2025 | 12:00:00 PM | 33.70424 | 52.46803 | 18.76379 | 28.61621 | 36.75107 | 3.04683 | 45.29317 | 33.65235 | -0.05189 | 49.52189 | 44.15565 | 10.45141 | 31.75859 |
| 6/23/2025 | 1:00:00 PM | 33.69755 | 52.4573 | 18.75975 | 28.62025 | 36.75107 | 3.05352 | 45.28648 | 33.63418 | -0.06337 | 49.53337 | 44.14494 | 10.44739 | 31.76261 |
| 6/23/2025 | 2:00:00 PM | 33.68083 | 52.43942 | 18.75859 | 28.62141 | 36.75107 | 3.07024 | 45.26976 | 33.62327 | -0.05756 | 49.52756 | 44.13422 | 10.45339 | 31.75661 |
| 6/23/2025 | 3:00:00 PM | 33.66411 | 52.40009 | 18.73598 | 28.64402 | 36.74033 | 3.07622 | 45.26378 | 33.6051 | -0.05901 | 49.52901 | 44.12708 | 10.46297 | 31.74703 |
| 6/23/2025 | 4:00:00 PM | 33.65408 | 52.38578 | 18.7317 | 28.6483 | 36.73675 | 3.08267 | 45.25733 | 33.59783 | -0.05625 | 49.52625 | 44.10922 | 10.45514 | 31.75486 |
| 6/23/2025 | 5:00:00 PM | 33.63401 | 52.37148 | 18.73747 | 28.64253 | 36.73317 | 3.09916 | 45.24084 | 33.58693 | -0.04708 | 49.51708 | 44.09851 | 10.4645 | 31.7455 |
| 6/23/2025 | 6:00:00 PM | 33.61395 | 52.34645 | 18.7325 | 28.6475 | 36.71886 | 3.10491 | 45.23509 | 33.56513 | -0.04882 | 49.51882 | 44.07708 | 10.46313 | 31.74687 |
| 6/23/2025 | 7:00:00 PM | 33.60392 | 52.1748 | 18.57088 | 28.80912 | 36.70812 | 3.1042 | 45.2358 | 33.55059 | -0.05333 | 49.52333 | 44.07708 | 10.47316 | 31.73684 |
| 6/23/2025 | 8:00:00 PM | 33.60057 | 52.16049 | 18.55992 | 28.82008 | 36.70812 | 3.10755 | 45.23245 | 33.54696 | -0.05361 | 49.52361 | 44.0628 | 10.46223 | 31.74777 |
| 6/23/2025 | 9:00:00 PM | 33.59723 | 52.15691 | 18.55968 | 28.82032 | 36.6938 | 3.09657 | 45.24343 | 33.53605 | -0.06118 | 49.53118 | 44.05208 | 10.45485 | 31.75515 |
| 6/23/2025 | 10:00:00 PM | 33.62064 | 52.18195 | 18.56131 | 28.81869 | 36.69022 | 3.06958 | 45.27042 | 33.54696 | -0.07368 | 49.54368 | 44.0628 | 10.44216 | 31.76784 |
| 6/23/2025 | 11:00:00 PM | 33.62064 | 52.18195 | 18.56131 | 28.81869 | 36.6759 | 3.05526 | 45.28474 | 33.55422 | -0.06642 | 49.53642 | 44.06994 | 10.4493 | 31.7607 |
| 6/24/2025 | 12:00:00 AM | 33.62064 | 52.18195 | 18.56131 | 28.81869 | 36.67948 | 3.05884 | 45.28116 | 33.55422 | -0.06642 | 49.53642 | 44.04851 | 10.42787 | 31.78213 |
| 6/24/2025 | 1:00:00 AM | 33.61395 | 52.18195 | 18.568 | 28.812 | 36.6759 | 3.06195 | 45.27805 | 33.54696 | -0.06699 | 49.53699 | 44.04851 | 10.43456 | 31.77544 |
| 6/24/2025 | 2:00:00 AM | 33.60726 | 52.1891 | 18.58184 | 28.79816 | 36.66516 | 3.0579 | 45.2821 | 33.53969 | -0.06757 | 49.53757 | 44.0378 | 10.43054 | 31.77946 |
| 6/24/2025 | 3:00:00 AM | 33.60392 | 52.18552 | 18.5816 | 28.7984 | 36.66158 | 3.05766 | 45.28234 | 33.53969 | -0.06423 | 49.53423 | 44.04137 | 10.43745 | 31.77255 |
| 6/24/2025 | 4:00:00 AM | 33.59388 | 52.17837 | 18.58449 | 28.79551 | 36.66158 | 3.0677 | 45.2723 | 33.53605 | -0.05783 | 49.52783 | 44.02708 | 10.4332 | 31.7768 |
| 6/24/2025 | 5:00:00 AM | 33.58385 | 52.18552 | 18.60167 | 28.77833 | 36.65442 | 3.07057 | 45.26943 | 33.51788 | -0.06597 | 49.53597 | 44.0378 | 10.45395 | 31.75605 |
| 6/24/2025 | 6:00:00 AM | 33.60392 | 52.2034 | 18.59948 | 28.78052 | 36.64726 | 3.04334 | 45.29666 | 33.52515 | -0.07877 | 49.54877 | 44.03065 | 10.42673 | 31.78327 |
| 6/24/2025 | 7:00:00 AM | 33.59388 | 52.20698 | 18.6131 | 28.7669 | 36.64369 | 3.04981 | 45.29019 | 33.52515 | -0.06873 | 49.53873 | 44.03065 | 10.43677 | 31.77323 |
| 6/24/2025 | 8:00:00 AM | 33.60392 | 52.21413 | 18.61021 | 28.76979 | 36.64011 | 3.03619 | 45.30381 | 33.52515 | -0.07877 | 49.54877 | 44.03422 | 10.4303 | 31.7797 |
| 6/24/2025 | 9:00:00 AM | 33.60392 | 52.21771 | 18.61379 | 28.76621 | 36.63295 | 3.02903 | 45.31097 | 33.52879 | -0.07513 | 49.54513 | 44.03065 | 10.42673 | 31.78327 |
| 6/24/2025 | 10:00:00 AM | 33.59054 | 52.21413 | 18.62359 | 28.75641 | 36.63653 | 3.04599 | 45.29401 | 33.52879 | -0.06175 | 49.53175 | 44.01637 | 10.42583 | 31.78417 |
| 6/24/2025 | 11:00:00 AM | 33.58051 | 52.21771 | 18.6372 | 28.7428 | 36.62579 | 3.04528 | 45.29472 | 33.51425 | -0.06626 | 49.53626 | 44.01994 | 10.43943 | 31.77057 |
| 6/24/2025 | 12:00:00 PM | 33.58385 | 52.21056 | 18.62671 | 28.75329 | 36.62221 | 3.03836 | 45.30164 | 33.52152 | -0.06233 | 49.53233 | 44.0128 | 10.42895 | 31.78105 |
| 6/24/2025 | 1:00:00 PM | 33.57716 | 52.1891 | 18.61194 | 28.76806 | 36.61863 | 3.04147 | 45.29853 | 33.51788 | -0.05928 | 49.52928 | 43.99851 | 10.42135 | 31.78865 |
| 6/24/2025 | 2:00:00 PM | 33.56044 | 52.18552 | 18.62508 | 28.75492 | 36.61863 | 3.05819 | 45.28181 | 33.50335 | -0.05709 | 49.52709 | 43.9878 | 10.42736 | 31.78264 |
| 6/24/2025 | 3:00:00 PM | 33.55376 | 52.1748 | 18.62104 | 28.75896 | 36.60789 | 3.05413 | 45.28587 | 33.48881 | -0.06495 | 49.53495 | 43.99137 | 10.43761 | 31.77239 |
| 6/24/2025 | 4:00:00 PM | 33.56044 | 52.1748 | 18.61436 | 28.76564 | 36.60789 | 3.04745 | 45.29255 | 33.49244 | -0.068 | 49.538 | 43.99494 | 10.4345 | 31.7755 |
| 6/24/2025 | 5:00:00 PM | 33.5571 | 52.15691 | 18.59981 | 28.78019 | 36.60073 | 3.04363 | 45.29637 | 33.48881 | -0.06829 | 49.53829 | 43.98423 | 10.42713 | 31.78287 |
| 6/24/2025 | 6:00:00 PM | 33.55041 | 52.14976 | 18.59935 | 28.78065 | 36.59715 | 3.04674 | 45.29326 | 33.48154 | -0.06887 | 49.53887 | 43.97708 | 10.42667 | 31.78333 |
| 6/24/2025 | 7:00:00 PM | 33.54707 | 52.13546 | 18.58839 | 28.79161 | 36.59357 | 3.0465 | 45.2935 | 33.48154 | -0.06553 | 49.53553 | 43.97351 | 10.42644 | 31.78356 |
| 6/24/2025 | 8:00:00 PM | 33.55376 | 52.14976 | 18.596 | 28.784 | 36.58641 | 3.03265 | 45.30735 | 33.48881 | -0.06495 | 49.53495 | 43.97708 | 10.42332 | 31.78668 |
| 6/24/2025 | 9:00:00 PM | 33.57716 | 52.15691 | 18.57975 | 28.80025 | 36.58641 | 3.00925 | 45.33075 | 33.49971 | -0.07745 | 49.54745 | 43.99494 | 10.41778 | 31.79222 |
| 6/24/2025 | 10:00:00 PM | 33.59054 | 52.16764 | 18.5771 | 28.8029 | 36.58999 | 2.99945 | 45.34055 | 33.51061 | -0.07993 | 49.54993 | 43.99851 | 10.40797 | 31.80203 |
| 6/24/2025 | 11:00:00 PM | 33.58051 | 52.13903 | 18.55852 | 28.82148 | 36.58283 | 3.00232 | 45.33768 | 33.50335 | -0.07716 | 49.54716 | 43.99137 | 10.41086 | 31.79914 |
| 6/25/2025 | 12:00:00 AM | 33.59054 | 52.13546 | 18.54492 | 28.83508 | 36.58283 | 2.99229 | 45.34771 | 33.51061 | -0.07993 | 49.54993 | 44.00208 | 10.41154 | 31.79846 |
| 6/25/2025 | 1:00:00 AM | 33.59723 | 52.14619 | 18.54896 | 28.83104 | 36.58283 | 2.9856 | 45.3544 | 33.51425 | -0.08298 | 49.55298 | 43.99851 | 10.40128 | 31.80872 |
| 6/25/2025 | 2:00:00 AM | 33.60392 | 52.16049 | 18.55657 | 28.82343 | 36.58641 | 2.98249 | 45.35751 | 33.52879 | -0.07513 | 49.54513 | 44.00923 | 10.40531 | 31.80469 |
| 6/25/2025 | 3:00:00 AM | 33.61729 | 52.17837 | 18.56108 | 28.81892 | 36.58641 | 2.96912 | 45.37088 | 33.53605 | -0.08124 | 49.55124 | 44.01637 | 10.39908 | 31.81092 |
| 6/25/2025 | 4:00:00 AM | 33.62064 | 52.19625 | 18.57561 | 28.80439 | 36.58641 | 2.96577 | 45.37423 | 33.53605 | -0.08459 | 49.55459 | 44.01637 | 10.39573 | 31.81427 |
| 6/25/2025 | 5:00:00 AM | 33.63067 | 52.21413 | 18.58346 | 28.79654 | 36.58641 | 2.95574 | 45.38426 | 33.54696 | -0.08371 | 49.55371 | 44.03065 | 10.39998 | 31.81002 |
| 6/25/2025 | 6:00:00 AM | 33.64739 | 52.22844 | 18.58105 | 28.79895 | 36.58283 | 2.93544 | 45.40456 | 33.55786 | -0.08953 | 49.55953 | 44.04851 | 10.40112 | 31.80888 |
| 6/25/2025 | 7:00:00 AM | 33.66745 | 52.25347 | 18.58602 | 28.79398 | 36.58999 | 2.92254 | 45.41746 | 33.56149 | -0.10596 | 49.57596 | 44.04851 | 10.38106 | 31.82894 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/25/2025 | 8:00:00 AM | 33.67748 | 52.27493 | 18.59745 | 28.78255 | 36.58641 | 2.90893 | 45.43107 | 33.58693 | -0.09055 | 49.56055 | 44.06637 | 10.38889 | 31.82111 |
| 6/25/2025 | 9:00:00 AM | 33.68083 | 52.28208 | 18.60125 | 28.77875 | 36.59357 | 2.91274 | 45.42726 | 33.60147 | -0.07936 | 49.54936 | 44.06637 | 10.38554 | 31.82446 |
| 6/25/2025 | 10:00:00 AM | 33.68752 | 52.29281 | 18.60529 | 28.77471 | 36.60073 | 2.91321 | 45.42679 | 33.6051 | -0.08242 | 49.55242 | 44.07351 | 10.38599 | 31.82401 |
| 6/25/2025 | 11:00:00 AM | 33.69086 | 52.29996 | 18.6091 | 28.7709 | 36.60431 | 2.91345 | 45.42655 | 33.60147 | -0.08939 | 49.55939 | 44.07351 | 10.38265 | 31.82735 |
| 6/25/2025 | 12:00:00 PM | 33.6942 | 52.30711 | 18.61291 | 28.76709 | 36.61147 | 2.91727 | 45.42273 | 33.6051 | -0.0891 | 49.5591 | 44.08065 | 10.38645 | 31.82355 |
| 6/25/2025 | 1:00:00 PM | 33.68417 | 52.29638 | 18.61221 | 28.76779 | 36.62221 | 2.93804 | 45.40196 | 33.6051 | -0.07907 | 49.54907 | 44.07351 | 10.38934 | 31.82066 |
| 6/25/2025 | 2:00:00 PM | 33.68083 | 52.29638 | 18.61555 | 28.76445 | 36.62937 | 2.94854 | 45.39146 | 33.6051 | -0.07573 | 49.54573 | 44.08065 | 10.39982 | 31.81018 |
| 6/25/2025 | 3:00:00 PM | 33.67748 | 52.29281 | 18.61533 | 28.76467 | 36.62579 | 2.94831 | 45.39169 | 33.60147 | -0.07601 | 49.54601 | 44.07708 | 10.3996 | 31.8104 |
| 6/25/2025 | 4:00:00 PM | 33.66745 | 52.28208 | 18.61463 | 28.76537 | 36.62937 | 2.96192 | 45.37808 | 33.59783 | -0.06962 | 49.53962 | 44.06994 | 10.40249 | 31.80751 |
| 6/25/2025 | 5:00:00 PM | 33.66076 | 52.26062 | 18.59986 | 28.78014 | 36.62937 | 2.96861 | 45.37139 | 33.59057 | -0.07019 | 49.54019 | 44.06637 | 10.40561 | 31.80439 |
| 6/25/2025 | 6:00:00 PM | 33.64404 | 52.24989 | 18.60585 | 28.77415 | 36.63295 | 2.98891 | 45.35109 | 33.5724 | -0.07164 | 49.54164 | 44.05922 | 10.41518 | 31.79482 |
| 6/25/2025 | 7:00:00 PM | 33.6407 | 52.23916 | 18.59846 | 28.78154 | 36.62579 | 2.98509 | 45.35491 | 33.5724 | -0.0683 | 49.5383 | 44.05565 | 10.41495 | 31.79505 |
| 6/25/2025 | 8:00:00 PM | 33.64739 | 52.24274 | 18.59535 | 28.78465 | 36.62937 | 2.98198 | 45.35802 | 33.57603 | -0.07136 | 49.54136 | 44.06637 | 10.41898 | 31.79102 |
| 6/25/2025 | 9:00:00 PM | 33.65742 | 52.23916 | 18.58174 | 28.79826 | 36.62937 | 2.97195 | 45.36805 | 33.5724 | -0.08502 | 49.55502 | 44.0628 | 10.40538 | 31.80462 |
| 6/25/2025 | 10:00:00 PM | 33.66076 | 52.25347 | 18.59271 | 28.78729 | 36.62937 | 2.96861 | 45.37139 | 33.57966 | -0.0811 | 49.5511 | 44.06637 | 10.40561 | 31.80439 |
| 6/25/2025 | 11:00:00 PM | 33.66411 | 52.24989 | 18.58578 | 28.79422 | 36.62937 | 2.96526 | 45.37474 | 33.59057 | -0.07354 | 49.54354 | 44.06637 | 10.40226 | 31.80774 |
| 6/26/2025 | 12:00:00 AM | 33.66745 | 52.25704 | 18.58959 | 28.79041 | 36.62937 | 2.96192 | 45.37808 | 33.59057 | -0.07688 | 49.54688 | 44.06994 | 10.40249 | 31.80751 |
| 6/26/2025 | 1:00:00 AM | 33.66411 | 52.2642 | 18.60009 | 28.77991 | 36.62937 | 2.96526 | 45.37474 | 33.58693 | -0.07718 | 49.54718 | 44.0628 | 10.39869 | 31.81131 |
| 6/26/2025 | 2:00:00 AM | 33.65073 | 52.24989 | 18.59916 | 28.78084 | 36.62937 | 2.97864 | 45.36136 | 33.57966 | -0.07107 | 49.54107 | 44.05565 | 10.40492 | 31.80508 |
| 6/26/2025 | 3:00:00 AM | 33.66076 | 52.26777 | 18.60701 | 28.77299 | 36.62937 | 2.96861 | 45.37139 | 33.5833 | -0.07746 | 49.54746 | 44.06637 | 10.40561 | 31.80439 |
| 6/26/2025 | 4:00:00 AM | 33.65408 | 52.27493 | 18.62085 | 28.75915 | 36.62937 | 2.97529 | 45.36471 | 33.5833 | -0.07078 | 49.54078 | 44.0628 | 10.40872 | 31.80128 |
| 6/26/2025 | 5:00:00 AM | 33.65742 | 52.2785 | 18.62108 | 28.75892 | 36.63295 | 2.97553 | 45.36447 | 33.58693 | -0.07049 | 49.54049 | 44.0628 | 10.40538 | 31.80462 |
| 6/26/2025 | 6:00:00 AM | 33.66411 | 52.29281 | 18.6287 | 28.7513 | 36.63295 | 2.96884 | 45.37116 | 33.58693 | -0.07718 | 49.54718 | 44.0628 | 10.39869 | 31.81131 |
| 6/26/2025 | 7:00:00 AM | 33.65742 | 52.29281 | 18.63539 | 28.74461 | 36.63295 | 2.97553 | 45.36447 | 33.5833 | -0.07412 | 49.54412 | 44.05922 | 10.4018 | 31.8082 |
| 6/26/2025 | 8:00:00 AM | 33.66076 | 52.29996 | 18.6392 | 28.7408 | 36.63295 | 2.97219 | 45.36781 | 33.59057 | -0.07019 | 49.54019 | 44.06637 | 10.40561 | 31.80439 |
| 6/26/2025 | 9:00:00 AM | 33.66076 | 52.30353 | 18.64277 | 28.73723 | 36.63295 | 2.97219 | 45.36781 | 33.58693 | -0.07383 | 49.54383 | 44.07351 | 10.41275 | 31.79725 |
| 6/26/2025 | 10:00:00 AM | 33.64739 | 52.29996 | 18.65257 | 28.72743 | 36.63295 | 2.98556 | 45.35444 | 33.57603 | -0.07136 | 49.54136 | 44.05208 | 10.40469 | 31.80531 |
| 6/26/2025 | 11:00:00 AM | 33.64404 | 52.30353 | 18.65949 | 28.72051 | 36.62937 | 2.98533 | 45.35467 | 33.56876 | -0.07528 | 49.54528 | 44.0628 | 10.41876 | 31.79124 |
| 6/26/2025 | 12:00:00 PM | 33.64739 | 52.29996 | 18.65257 | 28.72743 | 36.62579 | 2.9784 | 45.3616 | 33.5724 | -0.07499 | 49.54499 | 44.05208 | 10.40469 | 31.80531 |
| 6/26/2025 | 1:00:00 PM | 33.63401 | 52.28208 | 18.64807 | 28.73193 | 36.62937 | 2.99536 | 45.34464 | 33.56513 | -0.06888 | 49.53888 | 44.04137 | 10.40736 | 31.80264 |
| 6/26/2025 | 2:00:00 PM | 33.61395 | 52.2642 | 18.65025 | 28.72975 | 36.62221 | 3.00826 | 45.33174 | 33.55786 | -0.05609 | 49.52609 | 44.03065 | 10.4167 | 31.7933 |
| 6/26/2025 | 3:00:00 PM | 33.61395 | 52.25704 | 18.64309 | 28.73691 | 36.62937 | 3.01542 | 45.32458 | 33.54696 | -0.06699 | 49.53699 | 44.02708 | 10.41313 | 31.79687 |
| 6/26/2025 | 4:00:00 PM | 33.60057 | 52.23559 | 18.63502 | 28.74498 | 36.62579 | 3.02522 | 45.31478 | 33.53605 | -0.06452 | 49.53452 | 44.02351 | 10.42294 | 31.78706 |
| 6/26/2025 | 5:00:00 PM | 33.60392 | 52.22844 | 18.62452 | 28.75548 | 36.62221 | 3.01829 | 45.32171 | 33.53242 | -0.0715 | 49.5415 | 44.02351 | 10.41959 | 31.79041 |
| 6/26/2025 | 6:00:00 PM | 33.61395 | 52.24274 | 18.62879 | 28.75121 | 36.61863 | 3.00468 | 45.33532 | 33.53242 | -0.08153 | 49.55153 | 44.02351 | 10.40956 | 31.80044 |
| 6/26/2025 | 7:00:00 PM | 33.60726 | 52.23201 | 18.62475 | 28.75525 | 36.61863 | 3.01137 | 45.32863 | 33.53969 | -0.06757 | 49.53757 | 44.0128 | 10.40554 | 31.80446 |
| 6/26/2025 | 8:00:00 PM | 33.60057 | 52.1748 | 18.57423 | 28.80577 | 36.61505 | 3.01448 | 45.32552 | 33.52879 | -0.07178 | 49.54178 | 44.0128 | 10.41223 | 31.79777 |
| 6/26/2025 | 9:00:00 PM | 33.60057 | 52.18195 | 18.58138 | 28.79862 | 36.60789 | 3.00732 | 45.33268 | 33.53242 | -0.06815 | 49.53815 | 44.00923 | 10.40866 | 31.80134 |
| 6/26/2025 | 10:00:00 PM | 33.6106 | 52.20698 | 18.59638 | 28.78362 | 36.60789 | 2.99729 | 45.34271 | 33.53605 | -0.07455 | 49.54455 | 44.00923 | 10.39863 | 31.81137 |
| 6/26/2025 | 11:00:00 PM | 33.60726 | 52.22128 | 18.61402 | 28.76598 | 36.60073 | 2.99347 | 45.34653 | 33.53969 | -0.06757 | 49.53757 | 44.01637 | 10.40911 | 31.80089 |
| 6/27/2025 | 12:00:00 AM | 33.61395 | 52.23916 | 18.62521 | 28.75479 | 36.60789 | 2.99394 | 45.34606 | 33.53242 | -0.08153 | 49.55153 | 44.0128 | 10.39885 | 31.81115 |
| 6/27/2025 | 1:00:00 AM | 33.61729 | 52.24632 | 18.62903 | 28.75097 | 36.60073 | 2.98344 | 45.35656 | 33.53969 | -0.0776 | 49.5476 | 44.01637 | 10.39908 | 31.81092 |
| 6/27/2025 | 2:00:00 AM | 33.61395 | 52.24274 | 18.62879 | 28.75121 | 36.59715 | 2.9832 | 45.3568 | 33.54332 | -0.07063 | 49.54063 | 44.01637 | 10.40242 | 31.80758 |
| 6/27/2025 | 3:00:00 AM | 33.63401 | 52.2642 | 18.63019 | 28.74981 | 36.59715 | 2.96314 | 45.37686 | 33.55059 | -0.08342 | 49.55342 | 44.02708 | 10.39307 | 31.81693 |
| 6/27/2025 | 4:00:00 AM | 33.6407 | 52.28923 | 18.64853 | 28.73147 | 36.60073 | 2.96003 | 45.37997 | 33.55786 | -0.08284 | 49.55284 | 44.03065 | 10.38995 | 31.82005 |
| 6/27/2025 | 5:00:00 AM | 33.65408 | 52.31426 | 18.66018 | 28.71982 | 36.60431 | 2.95023 | 45.38977 | 33.56876 | -0.08532 | 49.55532 | 44.04137 | 10.38729 | 31.82271 |
| 6/27/2025 | 6:00:00 AM | 33.66076 | 52.33929 | 18.67853 | 28.70147 | 36.59715 | 2.93639 | 45.40361 | 33.57966 | -0.0811 | 49.5511 | 44.04494 | 10.38418 | 31.82582 |
| 6/27/2025 | 7:00:00 AM | 33.67414 | 52.35717 | 18.68303 | 28.69697 | 36.60431 | 2.93017 | 45.40983 | 33.57966 | -0.09448 | 49.56448 | 44.04851 | 10.37437 | 31.83563 |
| 6/27/2025 | 8:00:00 AM | 33.70089 | 52.38578 | 18.68489 | 28.69511 | 36.61147 | 2.91058 | 45.42942 | 33.59783 | -0.10306 | 49.57306 | 44.08065 | 10.37976 | 31.83024 |
| 6/27/2025 | 9:00:00 AM | 33.71427 | 52.40724 | 18.69297 | 28.68703 | 36.61147 | 2.8972 | 45.4428 | 33.62327 | -0.091 | 49.561 | 44.08422 | 10.36995 | 31.84005 |
| 6/27/2025 | 10:00:00 AM | 33.72764 | 52.42512 | 18.69748 | 28.68252 | 36.61505 | 2.88741 | 45.45259 | 33.62691 | -0.10073 | 49.57073 | 44.09137 | 10.36373 | 31.84627 |
| 6/27/2025 | 11:00:00 AM | 33.73099 | 52.43585 | 18.70486 | 28.67514 | 36.62937 | 2.89838 | 45.44162 | 33.63781 | -0.09318 | 49.56318 | 44.09851 | 10.36752 | 31.84248 |
| 6/27/2025 | 12:00:00 PM | 33.72764 | 52.43942 | 18.71178 | 28.66822 | 36.62579 | 2.89815 | 45.44185 | 33.64508 | -0.08256 | 49.55256 | 44.10208 | 10.37444 | 31.83556 |
| 6/27/2025 | 1:00:00 PM | 33.73433 | 52.443 | 18.70867 | 28.67133 | 36.63653 | 2.9022 | 45.4378 | 33.65235 | -0.08198 | 49.55198 | 44.10922 | 10.37489 | 31.83511 |
| 6/27/2025 | 2:00:00 PM | 33.74102 | 52.46088 | 18.71986 | 28.66014 | 36.64011 | 2.89909 | 45.44091 | 33.65598 | -0.08504 | 49.55504 | 44.11994 | 10.37892 | 31.83108 |
| 6/27/2025 | 3:00:00 PM | 33.74771 | 52.46803 | 18.72032 | 28.65968 | 36.64726 | 2.89955 | 45.44045 | 33.65962 | -0.08809 | 49.55809 | 44.11994 | 10.37223 | 31.83777 |
| 6/27/2025 | 4:00:00 PM | 33.7544 | 52.48591 | 18.73151 | 28.64849 | 36.65084 | 2.89644 | 45.44356 | 33.66325 | -0.09115 | 49.56115 | 44.13422 | 10.37982 | 31.83018 |
| 6/27/2025 | 5:00:00 PM | 33.76443 | 52.31784 | 18.55341 | 28.82659 | 36.65442 | 2.88999 | 45.45001 | 33.67052 | -0.09391 | 49.56391 | 44.14136 | 10.37693 | 31.83307 |
| 6/27/2025 | 6:00:00 PM | 33.76443 | 52.33214 | 18.56771 | 28.81229 | 36.658 | 2.89357 | 45.44643 | 33.67779 | -0.08664 | 49.55664 | 44.14136 | 10.37693 | 31.83307 |
| 6/27/2025 | 7:00:00 PM | 33.76777 | 52.33214 | 18.56437 | 28.81563 | 36.66516 | 2.89739 | 45.44261 | 33.68142 | -0.08635 | 49.55635 | 44.14494 | 10.37717 | 31.83283 |
| 6/27/2025 | 8:00:00 PM | 33.76443 | 52.33929 | 18.57486 | 28.80514 | 36.67232 | 2.90789 | 45.43211 | 33.68142 | -0.08301 | 49.55301 | 44.15208 | 10.38765 | 31.82235 |
| 6/27/2025 | 9:00:00 PM | 33.76443 | 52.34287 | 18.57844 | 28.80156 | 36.67948 | 2.91505 | 45.42495 | 33.68142 | -0.08301 | 49.55301 | 44.14851 | 10.38408 | 31.82592 |
| 6/27/2025 | 10:00:00 PM | 33.78449 | 52.36075 | 18.57626 | 28.80374 | 36.69022 | 2.90573 | 45.43427 | 33.69232 | -0.09217 | 49.56217 | 44.16636 | 10.38187 | 31.82813 |
| 6/27/2025 | 11:00:00 PM | 33.79452 | 52.3679 | 18.57338 | 28.80662 | 36.68306 | 2.88854 | 45.45146 | 33.70323 | -0.09129 | 49.56129 | 44.16993 | 10.37541 | 31.83459 |
| 6/28/2025 | 12:00:00 AM | 33.79787 | 52.38936 | 18.59149 | 28.78851 | 36.68664 | 2.88877 | 45.45123 | 33.70686 | -0.09101 | 49.56101 | 44.17708 | 10.37921 | 31.83079 |
| 6/28/2025 | 1:00:00 AM | 33.79452 | 52.39294 | 18.59842 | 28.78158 | 36.69738 | 2.90286 | 45.43714 | 33.70686 | -0.08766 | 49.55766 | 44.17708 | 10.38256 | 31.82744 |
| 6/28/2025 | 2:00:00 AM | 33.79787 | 52.39294 | 18.59507 | 28.78493 | 36.69738 | 2.89951 | 45.44049 | 33.71049 | -0.08738 | 49.55738 | 44.17351 | 10.37564 | 31.83436 |
| 6/28/2025 | 3:00:00 AM | 33.79118 | 52.39651 | 18.60533 | 28.77467 | 36.70454 | 2.91336 | 45.42664 | 33.71049 | -0.08069 | 49.55069 | 44.17351 | 10.38233 | 31.82767 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/28/2025 | 4:00:00 AM | 33.80456 | 52.40009 | 18.59553 | 28.78447 | 36.7117 | 2.90714 | 45.43286 | 33.71049 | -0.09407 | 49.56407 | 44.18779 | 10.38323 | 31.82677 |
| 6/28/2025 | 5:00:00 AM | 33.81793 | 52.42512 | 18.60719 | 28.77281 | 36.71528 | 2.89735 | 45.44265 | 33.72503 | -0.0929 | 49.5629 | 44.20565 | 10.38772 | 31.82228 |
| 6/28/2025 | 6:00:00 AM | 33.82796 | 52.43585 | 18.60789 | 28.77211 | 36.72244 | 2.89448 | 45.44552 | 33.73957 | -0.08839 | 49.55839 | 44.21636 | 10.3884 | 31.8216 |
| 6/28/2025 | 7:00:00 AM | 33.84134 | 52.443 | 18.60166 | 28.77834 | 36.72601 | 2.88467 | 45.45533 | 33.75047 | -0.09087 | 49.56087 | 44.21279 | 10.37145 | 31.83855 |
| 6/28/2025 | 8:00:00 AM | 33.85137 | 52.46088 | 18.60951 | 28.77049 | 36.73317 | 2.8818 | 45.4582 | 33.76137 | -0.09 | 49.56 | 44.2235 | 10.37213 | 31.83787 |
| 6/28/2025 | 9:00:00 AM | 33.86809 | 52.48591 | 18.61782 | 28.76218 | 36.73675 | 2.86866 | 45.47134 | 33.76864 | -0.09945 | 49.56945 | 44.24136 | 10.37327 | 31.83673 |
| 6/28/2025 | 10:00:00 AM | 33.8614 | 52.48591 | 18.62451 | 28.75549 | 36.74391 | 2.88251 | 45.45749 | 33.77954 | -0.08186 | 49.55186 | 44.22708 | 10.36568 | 31.84432 |
| 6/28/2025 | 11:00:00 AM | 33.86475 | 52.47876 | 18.61401 | 28.76599 | 36.75107 | 2.88632 | 45.45368 | 33.77954 | -0.08521 | 49.55521 | 44.23065 | 10.3659 | 31.8441 |
| 6/28/2025 | 12:00:00 PM | 33.87144 | 52.48949 | 18.61805 | 28.76195 | 36.75465 | 2.88321 | 45.45679 | 33.78681 | -0.08463 | 49.55463 | 44.24136 | 10.36992 | 31.84008 |
| 6/28/2025 | 1:00:00 PM | 33.86809 | 52.47518 | 18.60709 | 28.77291 | 36.75823 | 2.89014 | 45.44986 | 33.78318 | -0.08491 | 49.55491 | 44.24136 | 10.37327 | 31.83673 |
| 6/28/2025 | 2:00:00 PM | 33.86475 | 52.47876 | 18.61401 | 28.76599 | 36.76539 | 2.90064 | 45.43936 | 33.78318 | -0.08157 | 49.55157 | 44.24136 | 10.37661 | 31.83339 |
| 6/28/2025 | 3:00:00 PM | 33.86475 | 52.46446 | 18.59971 | 28.78029 | 36.77255 | 2.9078 | 45.4322 | 33.77954 | -0.08521 | 49.55521 | 44.23779 | 10.37304 | 31.83696 |
| 6/28/2025 | 4:00:00 PM | 33.86475 | 52.45373 | 18.58898 | 28.79102 | 36.77613 | 2.91138 | 45.42862 | 33.77954 | -0.08521 | 49.55521 | 44.24136 | 10.37661 | 31.83339 |
| 6/28/2025 | 5:00:00 PM | 33.85137 | 52.43942 | 18.58805 | 28.79195 | 36.77613 | 2.92476 | 45.41524 | 33.77591 | -0.07546 | 49.54546 | 44.23065 | 10.37928 | 31.83072 |
| 6/28/2025 | 6:00:00 PM | 33.85137 | 52.42512 | 18.57375 | 28.80625 | 36.77971 | 2.92834 | 45.41166 | 33.76864 | -0.08273 | 49.55273 | 44.23779 | 10.38642 | 31.82358 |
| 6/28/2025 | 7:00:00 PM | 33.85472 | 52.42512 | 18.5704 | 28.8096 | 36.77613 | 2.92141 | 45.41859 | 33.77227 | -0.08245 | 49.55245 | 44.24136 | 10.38664 | 31.82336 |
| 6/28/2025 | 8:00:00 PM | 33.85472 | 52.41082 | 18.5561 | 28.8239 | 36.79045 | 2.93573 | 45.40427 | 33.77227 | -0.08245 | 49.55245 | 44.24136 | 10.38664 | 31.82336 |
| 6/28/2025 | 9:00:00 PM | 33.86475 | 52.41797 | 18.55322 | 28.82678 | 36.79045 | 2.9257 | 45.4143 | 33.77591 | -0.08884 | 49.55884 | 44.24493 | 10.38018 | 31.82982 |
| 6/28/2025 | 10:00:00 PM | 33.86809 | 52.42512 | 18.55703 | 28.82297 | 36.79403 | 2.92594 | 45.41406 | 33.78681 | -0.08128 | 49.55128 | 44.25207 | 10.38398 | 31.82602 |
| 6/28/2025 | 11:00:00 PM | 33.86475 | 52.42512 | 18.56037 | 28.81963 | 36.79403 | 2.92928 | 45.41072 | 33.78681 | -0.07794 | 49.54794 | 44.23779 | 10.37304 | 31.83696 |
| 6/29/2025 | 12:00:00 AM | 33.87478 | 52.4287 | 18.55392 | 28.82608 | 36.79761 | 2.92283 | 45.41717 | 33.78681 | -0.08797 | 49.55797 | 44.2485 | 10.37372 | 31.83628 |
| 6/29/2025 | 1:00:00 AM | 33.87812 | 52.43585 | 18.55773 | 28.82227 | 36.79761 | 2.91949 | 45.42051 | 33.80135 | -0.07677 | 49.54677 | 44.25922 | 10.3811 | 31.8289 |
| 6/29/2025 | 2:00:00 AM | 33.88481 | 52.43942 | 18.55461 | 28.82539 | 36.79761 | 2.9128 | 45.4272 | 33.79408 | -0.09073 | 49.56073 | 44.25565 | 10.37084 | 31.83916 |
| 6/29/2025 | 3:00:00 AM | 33.87478 | 52.443 | 18.56822 | 28.81178 | 36.80476 | 2.92998 | 45.41002 | 33.79771 | -0.07707 | 49.54707 | 44.2485 | 10.37372 | 31.83628 |
| 6/29/2025 | 4:00:00 AM | 33.87478 | 52.44658 | 18.5718 | 28.8082 | 36.80476 | 2.92998 | 45.41002 | 33.79408 | -0.0807 | 49.5507 | 44.2485 | 10.37372 | 31.83628 |
| 6/29/2025 | 5:00:00 AM | 33.87812 | 52.44658 | 18.56846 | 28.81154 | 36.80834 | 2.93022 | 45.40978 | 33.79045 | -0.08767 | 49.55767 | 44.2485 | 10.37038 | 31.83962 |
| 6/29/2025 | 6:00:00 AM | 33.88481 | 52.4573 | 18.57249 | 28.80751 | 36.81192 | 2.92711 | 45.41289 | 33.79408 | -0.09073 | 49.56073 | 44.25922 | 10.37441 | 31.83559 |
| 6/29/2025 | 7:00:00 AM | 33.8915 | 52.47161 | 18.58011 | 28.79989 | 36.81908 | 2.92758 | 45.41242 | 33.80135 | -0.09015 | 49.56015 | 44.2735 | 10.382 | 31.828 |
| 6/29/2025 | 8:00:00 AM | 33.89484 | 52.47876 | 18.58392 | 28.79608 | 36.8155 | 2.92066 | 45.41934 | 33.81588 | -0.07896 | 49.54896 | 44.26636 | 10.37152 | 31.83848 |
| 6/29/2025 | 9:00:00 AM | 33.88481 | 52.47161 | 18.5868 | 28.7932 | 36.82266 | 2.93785 | 45.40215 | 33.81225 | -0.07256 | 49.54256 | 44.25565 | 10.37084 | 31.83916 |
| 6/29/2025 | 10:00:00 AM | 33.85472 | 52.47161 | 18.61689 | 28.76311 | 36.82624 | 2.97152 | 45.36848 | 33.79408 | -0.06064 | 49.53064 | 44.24493 | 10.39021 | 31.81979 |
| 6/29/2025 | 11:00:00 AM | 33.83131 | 52.4573 | 18.62599 | 28.75401 | 36.81908 | 2.98777 | 45.35223 | 33.77591 | -0.0554 | 49.5254 | 44.22708 | 10.39577 | 31.81423 |
| 6/29/2025 | 12:00:00 PM | 33.82128 | 52.44658 | 18.6253 | 28.7547 | 36.81908 | 2.9978 | 45.3422 | 33.75774 | -0.06354 | 49.53354 | 44.21993 | 10.39865 | 31.81135 |
| 6/29/2025 | 1:00:00 PM | 33.80456 | 52.42512 | 18.62056 | 28.75944 | 36.8155 | 3.01094 | 45.32906 | 33.74684 | -0.05772 | 49.52772 | 44.20922 | 10.40466 | 31.80534 |
| 6/29/2025 | 2:00:00 PM | 33.78784 | 52.39651 | 18.60867 | 28.77133 | 36.81192 | 3.02408 | 45.31592 | 33.73593 | -0.05191 | 49.52191 | 44.19136 | 10.40352 | 31.80648 |
| 6/29/2025 | 3:00:00 PM | 33.76108 | 52.37148 | 18.6104 | 28.7696 | 36.81908 | 3.058 | 45.282 | 33.7214 | -0.03968 | 49.50968 | 44.17708 | 10.416 | 31.794 |
| 6/29/2025 | 4:00:00 PM | 33.74436 | 52.35002 | 18.60566 | 28.77434 | 36.81192 | 3.06756 | 45.27244 | 33.70323 | -0.04113 | 49.51113 | 44.15565 | 10.41129 | 31.79871 |
| 6/29/2025 | 5:00:00 PM | 33.71761 | 52.31069 | 18.59308 | 28.78692 | 36.79761 | 3.08 | 45.26 | 33.67415 | -0.04346 | 49.51346 | 44.13779 | 10.42018 | 31.78982 |
| 6/29/2025 | 6:00:00 PM | 33.70089 | 52.2785 | 18.57761 | 28.80239 | 36.79045 | 3.08956 | 45.25044 | 33.65598 | -0.04491 | 49.51491 | 44.12708 | 10.42619 | 31.78381 |
| 6/29/2025 | 7:00:00 PM | 33.68752 | 52.26777 | 18.58025 | 28.79975 | 36.77971 | 3.09219 | 45.24781 | 33.65235 | -0.03517 | 49.50517 | 44.11636 | 10.42884 | 31.78116 |
| 6/29/2025 | 8:00:00 PM | 33.67748 | 52.24989 | 18.57241 | 28.80759 | 36.76181 | 3.08433 | 45.25567 | 33.63054 | -0.04694 | 49.51694 | 44.09494 | 10.41746 | 31.79254 |
| 6/29/2025 | 9:00:00 PM | 33.66745 | 52.23916 | 18.57171 | 28.80829 | 36.75823 | 3.09078 | 45.24922 | 33.61601 | -0.05144 | 49.52144 | 44.09137 | 10.42392 | 31.78608 |
| 6/29/2025 | 10:00:00 PM | 33.67414 | 52.24274 | 18.5686 | 28.8114 | 36.74749 | 3.07335 | 45.26665 | 33.61964 | -0.0545 | 49.5245 | 44.09137 | 10.41723 | 31.79277 |
| 6/29/2025 | 11:00:00 PM | 33.68417 | 52.24632 | 18.56215 | 28.81785 | 36.73675 | 3.05258 | 45.28742 | 33.61964 | -0.06453 | 49.53453 | 44.09851 | 10.41434 | 31.79566 |
| 6/30/2025 | 12:00:00 AM | 33.68417 | 52.24989 | 18.56572 | 28.81428 | 36.72959 | 3.04542 | 45.29458 | 33.61964 | -0.06453 | 49.53453 | 44.07708 | 10.39291 | 31.81709 |
| 6/30/2025 | 1:00:00 AM | 33.6708 | 52.23916 | 18.56836 | 28.81164 | 36.72244 | 3.05164 | 45.28836 | 33.60874 | -0.06206 | 49.53206 | 44.06637 | 10.39557 | 31.81443 |
| 6/30/2025 | 2:00:00 AM | 33.66745 | 52.23559 | 18.56814 | 28.81186 | 36.72244 | 3.05499 | 45.28501 | 33.60874 | -0.05871 | 49.52871 | 44.05922 | 10.39177 | 31.81823 |
| 6/30/2025 | 3:00:00 AM | 33.66076 | 52.23559 | 18.57483 | 28.80517 | 36.70812 | 3.04736 | 45.29264 | 33.59783 | -0.06293 | 49.53293 | 44.05208 | 10.39132 | 31.81868 |
| 6/30/2025 | 4:00:00 AM | 33.64739 | 52.23201 | 18.58462 | 28.79538 | 36.70096 | 3.05357 | 45.28643 | 33.59057 | -0.05682 | 49.52682 | 44.04851 | 10.40112 | 31.80888 |
| 6/30/2025 | 5:00:00 AM | 33.64739 | 52.23559 | 18.5882 | 28.7918 | 36.69022 | 3.04283 | 45.29717 | 33.58693 | -0.06046 | 49.53046 | 44.04137 | 10.39398 | 31.81602 |
| 6/30/2025 | 6:00:00 AM | 33.65073 | 52.24989 | 18.59916 | 28.78084 | 36.68664 | 3.03591 | 45.30409 | 33.59057 | -0.06016 | 49.53016 | 44.04851 | 10.39778 | 31.81222 |
| 6/30/2025 | 7:00:00 AM | 33.66745 | 52.26777 | 18.60032 | 28.77968 | 36.67948 | 3.01203 | 45.32797 | 33.59057 | -0.07688 | 49.54688 | 44.05208 | 10.38463 | 31.82537 |
| 6/30/2025 | 8:00:00 AM | 33.66411 | 52.27493 | 18.61082 | 28.76918 | 36.67232 | 3.00821 | 45.33179 | 33.59057 | -0.07354 | 49.54354 | 44.04851 | 10.3844 | 31.8256 |
| 6/30/2025 | 9:00:00 AM | 33.66076 | 52.27493 | 18.61417 | 28.76583 | 36.67232 | 3.01156 | 45.32844 | 33.59057 | -0.07019 | 49.54019 | 44.04494 | 10.38418 | 31.82582 |
| 6/30/2025 | 10:00:00 AM | 33.64739 | 52.2642 | 18.61681 | 28.76319 | 36.66874 | 3.02135 | 45.31865 | 33.5833 | -0.06409 | 49.53409 | 44.03422 | 10.38683 | 31.82317 |
| 6/30/2025 | 11:00:00 AM | 33.62732 | 52.25347 | 18.62615 | 28.75385 | 36.66158 | 3.03426 | 45.30574 | 33.5724 | -0.05492 | 49.52492 | 44.01994 | 10.39262 | 31.81738 |
| 6/30/2025 | 12:00:00 PM | 33.61395 | 52.23201 | 18.61806 | 28.76194 | 36.658 | 3.04405 | 45.29595 | 33.56149 | -0.05246 | 49.52246 | 44.0128 | 10.39885 | 31.81115 |
| 6/30/2025 | 1:00:00 PM | 33.59388 | 52.21056 | 18.61668 | 28.76332 | 36.65442 | 3.06054 | 45.27946 | 33.54332 | -0.05056 | 49.52056 | 43.99851 | 10.40463 | 31.80537 |
| 6/30/2025 | 2:00:00 PM | 33.57716 | 52.14976 | 18.5726 | 28.8074 | 36.64011 | 3.06295 | 45.27705 | 33.53605 | -0.04111 | 49.51111 | 43.98066 | 10.4035 | 31.8065 |
| 6/30/2025 | 3:00:00 PM | 33.56713 | 52.12473 | 18.5576 | 28.8224 | 36.63653 | 3.0694 | 45.2706 | 33.52152 | -0.04561 | 49.51561 | 43.96994 | 10.40281 | 31.80719 |
| 6/30/2025 | 4:00:00 PM | 33.55376 | 52.0997 | 18.54594 | 28.83406 | 36.62937 | 3.07561 | 45.26439 | 33.51425 | -0.03951 | 49.50951 | 43.95566 | 10.4019 | 31.8081 |
| 6/30/2025 | 5:00:00 PM | 33.54707 | 52.08897 | 18.5419 | 28.8381 | 36.61863 | 3.07156 | 45.26844 | 33.49971 | -0.04736 | 49.51736 | 43.94851 | 10.40144 | 31.80856 |
| 6/30/2025 | 6:00:00 PM | 33.55041 | 52.04248 | 18.49207 | 28.88793 | 36.61147 | 3.06106 | 45.27894 | 33.49244 | -0.05797 | 49.52797 | 43.94851 | 10.3981 | 31.8119 |
| 6/30/2025 | 7:00:00 PM | 33.54372 | 52.02818 | 18.48446 | 28.89554 | 36.60431 | 3.06059 | 45.27941 | 33.49608 | -0.04764 | 49.51764 | 43.94137 | 10.39765 | 31.81235 |
| 6/30/2025 | 8:00:00 PM | 33.54372 | 52.0246 | 18.48088 | 28.89912 | 36.59357 | 3.04985 | 45.29015 | 33.49244 | -0.05128 | 49.52128 | 43.94137 | 10.39765 | 31.81235 |
| 6/30/2025 | 9:00:00 PM | 33.5571 | 52.03533 | 18.47823 | 28.90177 | 36.58999 | 3.03289 | 45.30711 | 33.49608 | -0.06102 | 49.53102 | 43.94851 | 10.39141 | 31.81859 |
| 6/30/2025 | 10:00:00 PM | 33.57048 | 52.0389 | 18.46842 | 28.91158 | 36.57925 | 3.00877 | 45.33123 | 33.50698 | -0.0635 | 49.5335 | 43.95566 | 10.38518 | 31.82482 |
| 6/30/2025 | 11:00:00 PM | 33.57716 | 52.04606 | 18.4689 | 28.9111 | 36.57209 | 2.99493 | 45.34507 | 33.50335 | -0.07381 | 49.54381 | 43.94851 | 10.37135 | 31.83865 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/1/2025 | 12:00:00 AM | 33.58385 | 52.05321 | 18.46936 | 28.91064 | 36.57567 | 2.99182 | 45.34818 | 33.50698 | -0.07687 | 49.54687 | 43.94851 | 10.36466 | 31.84534 |
| 7/1/2025 | 1:00:00 AM | 33.59723 | 52.07109 | 18.47386 | 28.90614 | 36.56136 | 2.96413 | 45.37587 | 33.52515 | -0.07208 | 49.54208 | 43.95923 | 10.362 | 31.848 |
| 7/1/2025 | 2:00:00 AM | 33.60392 | 52.08182 | 18.4779 | 28.9021 | 36.56494 | 2.96102 | 45.37898 | 33.52879 | -0.07513 | 49.54513 | 43.9628 | 10.35888 | 31.85112 |
| 7/1/2025 | 3:00:00 AM | 33.59388 | 52.08897 | 18.49509 | 28.88491 | 36.55778 | 2.9639 | 45.3761 | 33.52515 | -0.06873 | 49.53873 | 43.95566 | 10.36178 | 31.84822 |
| 7/1/2025 | 4:00:00 AM | 33.59054 | 52.08539 | 18.49485 | 28.88515 | 36.56494 | 2.9744 | 45.3656 | 33.51788 | -0.07266 | 49.54266 | 43.94851 | 10.35797 | 31.85203 |
| 7/1/2025 | 5:00:00 AM | 33.60726 | 52.114 | 18.50674 | 28.87326 | 36.55778 | 2.95052 | 45.38948 | 33.53242 | -0.07484 | 49.54484 | 43.96637 | 10.35911 | 31.85089 |
| 7/1/2025 | 6:00:00 AM | 33.61395 | 52.12831 | 18.51436 | 28.86564 | 36.5542 | 2.94025 | 45.39975 | 33.53969 | -0.07426 | 49.54426 | 43.97351 | 10.35956 | 31.85044 |
| 7/1/2025 | 7:00:00 AM | 33.63067 | 52.15691 | 18.52624 | 28.85376 | 36.55778 | 2.92711 | 45.41289 | 33.55422 | -0.07645 | 49.54645 | 43.9878 | 10.35713 | 31.85287 |
| 7/1/2025 | 8:00:00 AM | 33.62398 | 52.16049 | 18.53651 | 28.84349 | 36.56136 | 2.93738 | 45.40262 | 33.55786 | -0.06612 | 49.53612 | 43.98066 | 10.35668 | 31.85332 |
| 7/1/2025 | 9:00:00 AM | 33.61395 | 52.15334 | 18.53939 | 28.84061 | 36.56494 | 2.95099 | 45.38901 | 33.54696 | -0.06699 | 49.53699 | 43.96994 | 10.35599 | 31.85401 |
| 7/1/2025 | 10:00:00 AM | 33.58385 | 52.13903 | 18.55518 | 28.82482 | 36.55778 | 2.97393 | 45.36607 | 33.52152 | -0.06233 | 49.53233 | 43.95566 | 10.37181 | 31.83819 |
| 7/1/2025 | 11:00:00 AM | 33.57716 | 52.114 | 18.53684 | 28.84316 | 36.56136 | 2.9842 | 45.3558 | 33.51788 | -0.05928 | 49.52928 | 43.94494 | 10.36778 | 31.84222 |
| 7/1/2025 | 12:00:00 PM | 33.56044 | 52.0997 | 18.53926 | 28.84074 | 36.55778 | 2.99734 | 45.34266 | 33.50698 | -0.05346 | 49.52346 | 43.94137 | 10.38093 | 31.82907 |
| 7/1/2025 | 1:00:00 PM | 33.5571 | 52.0997 | 18.5426 | 28.8374 | 36.5542 | 2.9971 | 45.3429 | 33.49971 | -0.05739 | 49.52739 | 43.94137 | 10.38427 | 31.82573 |
| 7/1/2025 | 2:00:00 PM | 33.54707 | 52.07824 | 18.53117 | 28.84883 | 36.54704 | 2.99997 | 45.34003 | 33.48881 | -0.05826 | 49.52826 | 43.92351 | 10.37644 | 31.83356 |
| 7/1/2025 | 3:00:00 PM | 33.53369 | 52.06036 | 18.52667 | 28.85333 | 36.54346 | 3.00977 | 45.33023 | 33.47427 | -0.05942 | 49.52942 | 43.91637 | 10.38268 | 31.82732 |
| 7/1/2025 | 4:00:00 PM | 33.53035 | 52.05321 | 18.52286 | 28.85714 | 36.54346 | 3.01311 | 45.32689 | 33.47064 | -0.05971 | 49.52971 | 43.90923 | 10.37888 | 31.83112 |
| 7/1/2025 | 5:00:00 PM | 33.52366 | 52.04248 | 18.51882 | 28.86118 | 36.5363 | 3.01264 | 45.32736 | 33.47064 | -0.05302 | 49.52302 | 43.90209 | 10.37843 | 31.83157 |
| 7/1/2025 | 6:00:00 PM | 33.52032 | 52.04248 | 18.52216 | 28.85784 | 36.53272 | 3.0124 | 45.3276 | 33.46337 | -0.05695 | 49.52695 | 43.89494 | 10.37462 | 31.83538 |
| 7/1/2025 | 7:00:00 PM | 33.51697 | 52.0103 | 18.49333 | 28.88667 | 36.5184 | 3.00143 | 45.33857 | 33.4561 | -0.06087 | 49.53087 | 43.89137 | 10.3744 | 31.8356 |
| 7/1/2025 | 8:00:00 PM | 33.51363 | 52.00672 | 18.49309 | 28.88691 | 36.5184 | 3.00477 | 45.33523 | 33.4452 | -0.06843 | 49.53843 | 43.88423 | 10.3706 | 31.8394 |
| 7/1/2025 | 9:00:00 PM | 33.51697 | 52.00314 | 18.48617 | 28.89383 | 36.51124 | 2.99427 | 45.34573 | 33.45247 | -0.0645 | 49.5345 | 43.88423 | 10.36726 | 31.84274 |
| 7/1/2025 | 10:00:00 PM | 33.52366 | 52.0103 | 18.48664 | 28.89336 | 36.51482 | 2.99116 | 45.34884 | 33.44883 | -0.07483 | 49.54483 | 43.89494 | 10.37128 | 31.83872 |
| 7/1/2025 | 11:00:00 PM | 33.53369 | 52.02818 | 18.49449 | 28.88551 | 36.51124 | 2.97755 | 45.36245 | 33.4561 | -0.07759 | 49.54759 | 43.89137 | 10.35768 | 31.85232 |
| 7/2/2025 | 12:00:00 AM | 33.54707 | 52.04606 | 18.49899 | 28.88101 | 36.50408 | 2.95701 | 45.38299 | 33.47064 | -0.07643 | 49.54643 | 43.90923 | 10.36216 | 31.84784 |
| 7/2/2025 | 1:00:00 AM | 33.54372 | 52.05321 | 18.50949 | 28.87051 | 36.5005 | 2.95678 | 45.38322 | 33.47064 | -0.07308 | 49.54308 | 43.90566 | 10.36194 | 31.84806 |
| 7/2/2025 | 2:00:00 AM | 33.56044 | 52.07467 | 18.51423 | 28.86577 | 36.49692 | 2.93648 | 45.40352 | 33.47791 | -0.08253 | 49.55253 | 43.90923 | 10.34879 | 31.86121 |
| 7/2/2025 | 3:00:00 AM | 33.56044 | 52.09255 | 18.53211 | 28.84789 | 36.50408 | 2.94364 | 45.39636 | 33.48154 | -0.0789 | 49.5489 | 43.90923 | 10.34879 | 31.86121 |
| 7/2/2025 | 4:00:00 AM | 33.56044 | 52.0997 | 18.53926 | 28.84074 | 36.49692 | 2.93648 | 45.40352 | 33.48518 | -0.07526 | 49.54526 | 43.90566 | 10.34522 | 31.86478 |
| 7/2/2025 | 5:00:00 AM | 33.58051 | 52.12115 | 18.54064 | 28.83936 | 36.5005 | 2.91999 | 45.42001 | 33.49244 | -0.08807 | 49.55807 | 43.92351 | 10.343 | 31.867 |
| 7/2/2025 | 6:00:00 AM | 33.57716 | 52.13546 | 18.5583 | 28.8217 | 36.49692 | 2.91976 | 45.42024 | 33.49971 | -0.07745 | 49.54745 | 43.92709 | 10.34993 | 31.86007 |
| 7/2/2025 | 7:00:00 AM | 33.59723 | 52.15691 | 18.55968 | 28.82032 | 36.5005 | 2.90327 | 45.43673 | 33.51061 | -0.08662 | 49.55662 | 43.93066 | 10.33343 | 31.87657 |
| 7/2/2025 | 8:00:00 AM | 33.60726 | 52.16764 | 18.56038 | 28.81962 | 36.50408 | 2.89682 | 45.44318 | 33.52152 | -0.08574 | 49.55574 | 43.94494 | 10.33768 | 31.87232 |
| 7/2/2025 | 9:00:00 AM | 33.60057 | 52.17837 | 18.5778 | 28.8022 | 36.51124 | 2.91067 | 45.42933 | 33.52515 | -0.07542 | 49.54542 | 43.9378 | 10.33723 | 31.87277 |
| 7/2/2025 | 10:00:00 AM | 33.59723 | 52.17122 | 18.57399 | 28.80601 | 36.50766 | 2.91043 | 45.42957 | 33.52515 | -0.07208 | 49.54208 | 43.9378 | 10.34057 | 31.86943 |
| 7/2/2025 | 11:00:00 AM | 33.60057 | 52.1891 | 18.58853 | 28.79147 | 36.51124 | 2.91067 | 45.42933 | 33.52152 | -0.07905 | 49.54905 | 43.94494 | 10.34437 | 31.86563 |
| 7/2/2025 | 12:00:00 PM | 33.59388 | 52.18195 | 18.58807 | 28.79193 | 36.50408 | 2.9102 | 45.4298 | 33.52515 | -0.06873 | 49.53873 | 43.9378 | 10.34392 | 31.86608 |
| 7/2/2025 | 1:00:00 PM | 33.59388 | 52.18195 | 18.58807 | 28.79193 | 36.51482 | 2.92094 | 45.41906 | 33.52515 | -0.06873 | 49.53873 | 43.94137 | 10.34749 | 31.86251 |
| 7/2/2025 | 2:00:00 PM | 33.5872 | 52.12115 | 18.53395 | 28.84605 | 36.51482 | 2.92762 | 45.41238 | 33.52152 | -0.06568 | 49.53568 | 43.9378 | 10.3506 | 31.8594 |
| 7/2/2025 | 3:00:00 PM | 33.60057 | 52.11043 | 18.50986 | 28.87014 | 36.51482 | 2.91425 | 45.42575 | 33.52879 | -0.07178 | 49.54178 | 43.94137 | 10.3408 | 31.8692 |
| 7/2/2025 | 4:00:00 PM | 33.59388 | 52.0997 | 18.50582 | 28.87418 | 36.5184 | 2.92452 | 45.41548 | 33.52515 | -0.06873 | 49.53873 | 43.94137 | 10.34749 | 31.86251 |
| 7/2/2025 | 5:00:00 PM | 33.5872 | 52.04963 | 18.46243 | 28.91757 | 36.5184 | 2.9312 | 45.4088 | 33.51425 | -0.07295 | 49.54295 | 43.93066 | 10.34346 | 31.86654 |
| 7/2/2025 | 6:00:00 PM | 33.57382 | 52.03533 | 18.46151 | 28.91849 | 36.51124 | 2.93742 | 45.40258 | 33.50698 | -0.06684 | 49.53684 | 43.92351 | 10.34969 | 31.86031 |
| 7/2/2025 | 7:00:00 PM | 33.57716 | 52.02102 | 18.44386 | 28.93614 | 36.5184 | 2.94124 | 45.39876 | 33.51425 | -0.06291 | 49.53291 | 43.92351 | 10.34635 | 31.86365 |
| 7/2/2025 | 8:00:00 PM | 33.5872 | 52.04248 | 18.45528 | 28.92472 | 36.51482 | 2.92762 | 45.41238 | 33.51425 | -0.07295 | 49.54295 | 43.93066 | 10.34346 | 31.86654 |
| 7/2/2025 | 9:00:00 PM | 33.59388 | 52.04606 | 18.45218 | 28.92782 | 36.51124 | 2.91736 | 45.42264 | 33.51788 | -0.076 | 49.546 | 43.9378 | 10.34392 | 31.86608 |
| 7/2/2025 | 10:00:00 PM | 33.6106 | 52.05679 | 18.44619 | 28.93381 | 36.5184 | 2.9078 | 45.4322 | 33.53242 | -0.07818 | 49.54818 | 43.94494 | 10.33434 | 31.87566 |
| 7/2/2025 | 11:00:00 PM | 33.61395 | 52.07467 | 18.46072 | 28.91928 | 36.5184 | 2.90445 | 45.43555 | 33.53969 | -0.07426 | 49.54426 | 43.94494 | 10.33099 | 31.87901 |
| 7/3/2025 | 12:00:00 AM | 33.6106 | 52.07824 | 18.46764 | 28.91236 | 36.52198 | 2.91138 | 45.42862 | 33.53605 | -0.07455 | 49.54455 | 43.94137 | 10.33077 | 31.87923 |
| 7/3/2025 | 1:00:00 AM | 33.63401 | 52.09255 | 18.45854 | 28.92146 | 36.52198 | 2.88797 | 45.45203 | 33.54332 | -0.09069 | 49.56069 | 43.9628 | 10.32879 | 31.88121 |
| 7/3/2025 | 2:00:00 AM | 33.63401 | 52.10685 | 18.47284 | 28.90716 | 36.52556 | 2.89155 | 45.44845 | 33.55422 | -0.07979 | 49.54979 | 43.96637 | 10.33236 | 31.87764 |
| 7/3/2025 | 3:00:00 AM | 33.64739 | 52.12115 | 18.47376 | 28.90624 | 36.53272 | 2.88533 | 45.45467 | 33.55786 | -0.08953 | 49.55953 | 43.96994 | 10.32255 | 31.88745 |
| 7/3/2025 | 4:00:00 AM | 33.63736 | 52.13546 | 18.4981 | 28.8819 | 36.52914 | 2.89178 | 45.44822 | 33.56149 | -0.07587 | 49.54587 | 43.96637 | 10.32901 | 31.88099 |
| 7/3/2025 | 5:00:00 AM | 33.64404 | 52.14619 | 18.50215 | 28.87785 | 36.52914 | 2.8851 | 45.4549 | 33.56876 | -0.07528 | 49.54528 | 43.96637 | 10.32233 | 31.88767 |
| 7/3/2025 | 6:00:00 AM | 33.65073 | 52.15691 | 18.50618 | 28.87382 | 36.53988 | 2.88915 | 45.45085 | 33.56513 | -0.0856 | 49.5556 | 43.98066 | 10.32993 | 31.88007 |
| 7/3/2025 | 7:00:00 AM | 33.66076 | 52.1748 | 18.51404 | 28.86596 | 36.54346 | 2.8827 | 45.4573 | 33.57603 | -0.08473 | 49.55473 | 43.99137 | 10.33061 | 31.87939 |
| 7/3/2025 | 8:00:00 AM | 33.67414 | 52.19983 | 18.52569 | 28.85431 | 36.54346 | 2.86932 | 45.47068 | 33.5833 | -0.09084 | 49.56084 | 44.00565 | 10.33151 | 31.87849 |
| 7/3/2025 | 9:00:00 AM | 33.68417 | 52.21413 | 18.52996 | 28.85004 | 36.54704 | 2.86287 | 45.47713 | 33.59057 | -0.0936 | 49.5636 | 44.00208 | 10.31791 | 31.89209 |
| 7/3/2025 | 10:00:00 AM | 33.68083 | 52.21771 | 18.53688 | 28.84312 | 36.54704 | 2.86621 | 45.47379 | 33.5942 | -0.08663 | 49.55663 | 44.00208 | 10.32125 | 31.88875 |
| 7/3/2025 | 11:00:00 AM | 33.66745 | 52.21771 | 18.55026 | 28.82974 | 36.56494 | 2.89749 | 45.44251 | 33.5942 | -0.07325 | 49.54325 | 43.99851 | 10.33106 | 31.87894 |
| 7/3/2025 | 12:00:00 PM | 33.68417 | 52.22128 | 18.53711 | 28.84289 | 36.56136 | 2.87719 | 45.46281 | 33.5942 | -0.08997 | 49.55997 | 44.00565 | 10.32148 | 31.88852 |
| 7/3/2025 | 1:00:00 PM | 33.6708 | 52.21413 | 18.54333 | 28.83667 | 36.56494 | 2.89414 | 45.44586 | 33.5942 | -0.0766 | 49.5466 | 44.00208 | 10.33128 | 31.87872 |
| 7/3/2025 | 2:00:00 PM | 33.66411 | 52.20698 | 18.54287 | 28.83713 | 36.56494 | 2.90083 | 45.43917 | 33.59057 | -0.07354 | 49.54354 | 43.99137 | 10.32726 | 31.88274 |
| 7/3/2025 | 3:00:00 PM | 33.65408 | 52.19625 | 18.54217 | 28.83783 | 36.56494 | 2.91086 | 45.42914 | 33.58693 | -0.06715 | 49.53715 | 43.99851 | 10.34443 | 31.86557 |
| 7/3/2025 | 4:00:00 PM | 33.65073 | 52.18195 | 18.53122 | 28.84878 | 36.57209 | 2.92136 | 45.41864 | 33.5833 | -0.06743 | 49.53743 | 43.9878 | 10.33707 | 31.87293 |
| 7/3/2025 | 5:00:00 PM | 33.63736 | 52.16049 | 18.52313 | 28.85687 | 36.56852 | 2.93116 | 45.40884 | 33.5724 | -0.06496 | 49.53496 | 43.98423 | 10.34687 | 31.86313 |
| 7/3/2025 | 6:00:00 PM | 33.63067 | 52.13903 | 18.50836 | 28.87164 | 36.57209 | 2.94142 | 45.39858 | 33.56149 | -0.06918 | 49.53918 | 43.96994 | 10.33927 | 31.87073 |
| 7/3/2025 | 7:00:00 PM | 33.61729 | 52.13188 | 18.51459 | 28.86541 | 36.56494 | 2.94765 | 45.39235 | 33.55422 | -0.06307 | 49.53307 | 43.97351 | 10.35622 | 31.85378 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/3/2025 | 8:00:00 PM | 33.6106 | 52.11043 | 18.49983 | 28.88017 | 36.56494 | 2.95434 | 45.38566 | 33.55786 | -0.05274 | 49.52274 | 43.96637 | 10.35577 | 31.85423 |
| 7/3/2025 | 9:00:00 PM | 33.61395 | 52.10327 | 18.48932 | 28.89068 | 36.56852 | 2.95457 | 45.38543 | 33.54696 | -0.06699 | 49.53699 | 43.96637 | 10.35242 | 31.85758 |
| 7/3/2025 | 10:00:00 PM | 33.63401 | 52.114 | 18.47999 | 28.90001 | 36.56136 | 2.92735 | 45.41265 | 33.56513 | -0.06888 | 49.53888 | 43.97708 | 10.34307 | 31.86693 |
| 7/3/2025 | 11:00:00 PM | 33.65073 | 52.12473 | 18.474 | 28.906 | 36.55778 | 2.90705 | 45.43295 | 33.56149 | -0.08924 | 49.55924 | 43.9878 | 10.33707 | 31.87293 |
| 7/4/2025 | 12:00:00 AM | 33.6407 | 52.13546 | 18.49476 | 28.88524 | 36.56494 | 2.92424 | 45.41576 | 33.57603 | -0.06467 | 49.53467 | 43.98423 | 10.34353 | 31.86647 |
| 7/4/2025 | 1:00:00 AM | 33.64404 | 52.13188 | 18.48784 | 28.89216 | 36.55778 | 2.91374 | 45.42626 | 33.5724 | -0.07164 | 49.54164 | 43.96994 | 10.3259 | 31.8841 |
| 7/4/2025 | 2:00:00 AM | 33.6407 | 52.05679 | 18.41609 | 28.96391 | 36.55778 | 2.91708 | 45.42292 | 33.56149 | -0.07921 | 49.54921 | 43.97351 | 10.33281 | 31.87719 |
| 7/4/2025 | 3:00:00 AM | 33.61729 | 52.02818 | 18.41089 | 28.96911 | 36.56136 | 2.94407 | 45.39593 | 33.55786 | -0.05943 | 49.52943 | 43.95208 | 10.33479 | 31.87521 |
| 7/4/2025 | 4:00:00 AM | 33.60392 | 52.0246 | 18.42068 | 28.95932 | 36.56136 | 2.95744 | 45.38256 | 33.53605 | -0.06787 | 49.53787 | 43.94494 | 10.34102 | 31.86898 |
| 7/4/2025 | 5:00:00 AM | 33.61729 | 52.05679 | 18.4395 | 28.9405 | 36.56136 | 2.94407 | 45.39593 | 33.54696 | -0.07033 | 49.54033 | 43.96994 | 10.35265 | 31.85735 |
| 7/4/2025 | 6:00:00 AM | 33.6407 | 52.07467 | 18.43397 | 28.94603 | 36.5542 | 2.9135 | 45.4265 | 33.55786 | -0.08284 | 49.55284 | 43.98423 | 10.34353 | 31.86647 |
| 7/4/2025 | 7:00:00 AM | 33.63736 | 52.08897 | 18.45161 | 28.92839 | 36.55778 | 2.92042 | 45.41958 | 33.56513 | -0.07223 | 49.54223 | 43.96994 | 10.33258 | 31.87742 |
| 7/4/2025 | 8:00:00 AM | 33.6407 | 52.0997 | 18.459 | 28.921 | 36.56136 | 2.92066 | 45.41934 | 33.56876 | -0.07194 | 49.54194 | 43.97708 | 10.33638 | 31.87362 |
| 7/4/2025 | 9:00:00 AM | 33.65408 | 52.11758 | 18.4635 | 28.9165 | 36.56136 | 2.90728 | 45.43272 | 33.57966 | -0.07442 | 49.54442 | 43.98423 | 10.33015 | 31.87985 |
| 7/4/2025 | 10:00:00 AM | 33.65073 | 52.12473 | 18.474 | 28.906 | 36.55778 | 2.90705 | 45.43295 | 33.5724 | -0.07833 | 49.54833 | 43.98066 | 10.32993 | 31.88007 |
| 7/4/2025 | 11:00:00 AM | 33.64739 | 52.12473 | 18.47734 | 28.90266 | 36.55778 | 2.91039 | 45.42961 | 33.57603 | -0.07136 | 49.54136 | 43.97708 | 10.32969 | 31.88031 |
| 7/4/2025 | 12:00:00 PM | 33.6407 | 52.12115 | 18.48045 | 28.89955 | 36.56494 | 2.92424 | 45.41576 | 33.5724 | -0.0683 | 49.5383 | 43.97708 | 10.33638 | 31.87362 |
| 7/4/2025 | 1:00:00 PM | 33.64404 | 52.12115 | 18.47711 | 28.90289 | 36.56852 | 2.92448 | 45.41552 | 33.5833 | -0.06074 | 49.53074 | 43.97708 | 10.33304 | 31.87696 |
| 7/4/2025 | 2:00:00 PM | 33.66076 | 52.12831 | 18.46755 | 28.91245 | 36.56136 | 2.9006 | 45.4394 | 33.5724 | -0.08836 | 49.55836 | 43.98423 | 10.32347 | 31.88653 |
| 7/4/2025 | 3:00:00 PM | 33.65742 | 52.12831 | 18.47089 | 28.90911 | 36.56494 | 2.90752 | 45.43248 | 33.5833 | -0.07412 | 49.54412 | 43.98423 | 10.32681 | 31.88319 |
| 7/4/2025 | 4:00:00 PM | 33.67748 | 52.12831 | 18.45083 | 28.92917 | 36.56494 | 2.88746 | 45.45254 | 33.58693 | -0.09055 | 49.56055 | 43.99851 | 10.32103 | 31.88897 |
| 7/4/2025 | 5:00:00 PM | 33.69086 | 52.13546 | 18.4446 | 28.9354 | 36.56494 | 2.87408 | 45.46592 | 33.6051 | -0.08576 | 49.55576 | 43.99851 | 10.30765 | 31.90235 |
| 7/4/2025 | 6:00:00 PM | 33.70758 | 52.15334 | 18.44576 | 28.93424 | 36.56494 | 2.85736 | 45.48264 | 33.61964 | -0.08794 | 49.55794 | 44.01637 | 10.30879 | 31.90121 |
| 7/4/2025 | 7:00:00 PM | 33.73433 | 52.17122 | 18.43689 | 28.94311 | 36.56852 | 2.83419 | 45.50581 | 33.63781 | -0.09652 | 49.56652 | 44.02708 | 10.29275 | 31.91725 |
| 7/4/2025 | 8:00:00 PM | 33.74102 | 52.18552 | 18.4445 | 28.9355 | 36.57925 | 2.83823 | 45.50177 | 33.64871 | -0.09231 | 49.56231 | 44.04137 | 10.30035 | 31.90965 |
| 7/4/2025 | 9:00:00 PM | 33.76443 | 52.19625 | 18.43182 | 28.94818 | 36.58283 | 2.8184 | 45.5216 | 33.66688 | -0.09755 | 49.56755 | 44.04851 | 10.28408 | 31.92592 |
| 7/4/2025 | 10:00:00 PM | 33.79118 | 52.22128 | 18.4301 | 28.9499 | 36.58999 | 2.79881 | 45.54119 | 33.68869 | -0.10249 | 49.57249 | 44.07708 | 10.2859 | 31.9241 |
| 7/4/2025 | 11:00:00 PM | 33.80456 | 52.23916 | 18.4346 | 28.9454 | 36.59715 | 2.79259 | 45.54741 | 33.69959 | -0.10497 | 49.57497 | 44.08065 | 10.27609 | 31.93391 |
| 7/5/2025 | 12:00:00 AM | 33.81793 | 52.2642 | 18.44627 | 28.93373 | 36.61147 | 2.79354 | 45.54646 | 33.71413 | -0.1038 | 49.5738 | 44.10208 | 10.28415 | 31.92585 |
| 7/5/2025 | 1:00:00 AM | 33.81793 | 52.26777 | 18.44984 | 28.93016 | 36.61147 | 2.79354 | 45.54646 | 33.7214 | -0.09653 | 49.56653 | 44.10208 | 10.28415 | 31.92585 |
| 7/5/2025 | 2:00:00 AM | 33.81793 | 52.28208 | 18.46415 | 28.91585 | 36.62579 | 2.80786 | 45.53214 | 33.72503 | -0.0929 | 49.5629 | 44.10208 | 10.28415 | 31.92585 |
| 7/5/2025 | 3:00:00 AM | 33.82462 | 52.29638 | 18.47176 | 28.90824 | 36.63295 | 2.80833 | 45.53167 | 33.73957 | -0.08505 | 49.55505 | 44.11279 | 10.28817 | 31.92183 |
| 7/5/2025 | 4:00:00 AM | 33.838 | 52.31784 | 18.47984 | 28.90016 | 36.64369 | 2.80569 | 45.53431 | 33.74684 | -0.09116 | 49.56116 | 44.12708 | 10.28908 | 31.92092 |
| 7/5/2025 | 5:00:00 AM | 33.8614 | 52.35002 | 18.48862 | 28.89138 | 36.64726 | 2.78586 | 45.55414 | 33.76137 | -0.10003 | 49.57003 | 44.15565 | 10.29425 | 31.91575 |
| 7/5/2025 | 6:00:00 AM | 33.88147 | 52.37148 | 18.49001 | 28.88999 | 36.658 | 2.77653 | 45.56347 | 33.77591 | -0.10556 | 49.57556 | 44.15922 | 10.27775 | 31.93225 |
| 7/5/2025 | 7:00:00 AM | 33.8915 | 52.39294 | 18.50144 | 28.87856 | 36.67232 | 2.78082 | 45.55918 | 33.78318 | -0.10832 | 49.57832 | 44.17351 | 10.28201 | 31.92799 |
| 7/5/2025 | 8:00:00 AM | 33.89819 | 52.41082 | 18.51263 | 28.86737 | 36.68306 | 2.78487 | 45.55513 | 33.79771 | -0.10048 | 49.57048 | 44.18779 | 10.2896 | 31.9204 |
| 7/5/2025 | 9:00:00 AM | 33.90822 | 52.43227 | 18.52405 | 28.85595 | 36.68664 | 2.77842 | 45.56158 | 33.80862 | -0.0996 | 49.5696 | 44.19493 | 10.28671 | 31.92329 |
| 7/5/2025 | 10:00:00 AM | 33.91156 | 52.4287 | 18.51714 | 28.86286 | 36.70096 | 2.7894 | 45.5506 | 33.81588 | -0.09568 | 49.56568 | 44.19136 | 10.2798 | 31.9302 |
| 7/5/2025 | 11:00:00 AM | 33.90153 | 52.43942 | 18.53789 | 28.84211 | 36.70812 | 2.80659 | 45.53341 | 33.81952 | -0.08201 | 49.55201 | 44.1985 | 10.29697 | 31.91303 |
| 7/5/2025 | 12:00:00 PM | 33.91825 | 52.443 | 18.52475 | 28.85525 | 36.71528 | 2.79703 | 45.54297 | 33.81588 | -0.10237 | 49.57237 | 44.20565 | 10.2874 | 31.9226 |
| 7/5/2025 | 1:00:00 PM | 33.90153 | 52.40724 | 18.50571 | 28.87429 | 36.72959 | 2.82806 | 45.51194 | 33.82315 | -0.07838 | 49.54838 | 44.20208 | 10.30055 | 31.90945 |
| 7/5/2025 | 2:00:00 PM | 33.89484 | 52.40366 | 18.50882 | 28.87118 | 36.73317 | 2.83833 | 45.50167 | 33.81225 | -0.08259 | 49.55259 | 44.19493 | 10.30009 | 31.90991 |
| 7/5/2025 | 3:00:00 PM | 33.89819 | 52.41439 | 18.5162 | 28.8638 | 36.74391 | 2.84572 | 45.49428 | 33.81952 | -0.07867 | 49.54867 | 44.20565 | 10.30746 | 31.90254 |
| 7/5/2025 | 4:00:00 PM | 33.89819 | 52.39294 | 18.49475 | 28.88525 | 36.74391 | 2.84572 | 45.49428 | 33.81588 | -0.08231 | 49.55231 | 44.1985 | 10.30031 | 31.90969 |
| 7/5/2025 | 5:00:00 PM | 33.89484 | 52.35717 | 18.46233 | 28.91767 | 36.75107 | 2.85623 | 45.48377 | 33.81952 | -0.07532 | 49.54532 | 44.1985 | 10.30366 | 31.90634 |
| 7/5/2025 | 6:00:00 PM | 33.88481 | 52.33214 | 18.44733 | 28.93267 | 36.75465 | 2.86984 | 45.47016 | 33.80498 | -0.07983 | 49.54983 | 44.19136 | 10.30655 | 31.90345 |
| 7/5/2025 | 7:00:00 PM | 33.88816 | 52.34645 | 18.45829 | 28.92171 | 36.75823 | 2.87007 | 45.46993 | 33.81588 | -0.07228 | 49.54228 | 44.19493 | 10.30677 | 31.90323 |
| 7/5/2025 | 8:00:00 PM | 33.88147 | 52.33572 | 18.45425 | 28.92575 | 36.75823 | 2.87676 | 45.46324 | 33.81588 | -0.06559 | 49.53559 | 44.19493 | 10.31346 | 31.89654 |
| 7/5/2025 | 9:00:00 PM | 33.88816 | 52.33572 | 18.44756 | 28.93244 | 36.76897 | 2.88081 | 45.45919 | 33.81225 | -0.07591 | 49.54591 | 44.19493 | 10.30677 | 31.90323 |
| 7/5/2025 | 10:00:00 PM | 33.90488 | 52.34287 | 18.43799 | 28.94201 | 36.76897 | 2.86409 | 45.47591 | 33.81952 | -0.08536 | 49.55536 | 44.20565 | 10.30077 | 31.90923 |
| 7/5/2025 | 11:00:00 PM | 33.89484 | 52.34287 | 18.44803 | 28.93197 | 36.76181 | 2.86697 | 45.47303 | 33.82315 | -0.07169 | 49.54169 | 44.19493 | 10.30009 | 31.90991 |
| 7/6/2025 | 12:00:00 AM | 33.88481 | 52.33572 | 18.45091 | 28.92909 | 36.76539 | 2.88058 | 45.45942 | 33.81225 | -0.07256 | 49.54256 | 44.19493 | 10.31012 | 31.89988 |
| 7/6/2025 | 1:00:00 AM | 33.88147 | 52.34645 | 18.46498 | 28.91502 | 36.77613 | 2.89466 | 45.44534 | 33.81225 | -0.06922 | 49.53922 | 44.1985 | 10.31703 | 31.89297 |
| 7/6/2025 | 2:00:00 AM | 33.88481 | 52.35002 | 18.46521 | 28.91479 | 36.76897 | 2.88416 | 45.45584 | 33.80862 | -0.07619 | 49.54619 | 44.19136 | 10.30655 | 31.90345 |
| 7/6/2025 | 3:00:00 AM | 33.87812 | 52.3536 | 18.47548 | 28.90452 | 36.77971 | 2.90159 | 45.43841 | 33.80135 | -0.07677 | 49.54677 | 44.18422 | 10.3061 | 31.9039 |
| 7/6/2025 | 4:00:00 AM | 33.88147 | 52.36075 | 18.47928 | 28.90072 | 36.77613 | 2.89466 | 45.44534 | 33.80135 | -0.08012 | 49.55012 | 44.18779 | 10.30632 | 31.90368 |
| 7/6/2025 | 5:00:00 AM | 33.88147 | 52.37148 | 18.49001 | 28.88999 | 36.77613 | 2.89466 | 45.44534 | 33.80498 | -0.07649 | 49.54649 | 44.19493 | 10.31346 | 31.89654 |
| 7/6/2025 | 6:00:00 AM | 33.88816 | 52.38936 | 18.5012 | 28.8788 | 36.77613 | 2.88797 | 45.45203 | 33.80498 | -0.08318 | 49.55318 | 44.1985 | 10.31034 | 31.89966 |
| 7/6/2025 | 7:00:00 AM | 33.88147 | 52.40366 | 18.52219 | 28.85781 | 36.77613 | 2.89466 | 45.44534 | 33.80862 | -0.07285 | 49.54285 | 44.19136 | 10.30989 | 31.90011 |
| 7/6/2025 | 8:00:00 AM | 33.88481 | 52.39651 | 18.5117 | 28.8683 | 36.77971 | 2.8949 | 45.4451 | 33.80498 | -0.07983 | 49.54983 | 44.19136 | 10.30655 | 31.90345 |
| 7/6/2025 | 9:00:00 AM | 33.87812 | 52.40366 | 18.52554 | 28.85446 | 36.77613 | 2.89801 | 45.44199 | 33.79771 | -0.08041 | 49.55041 | 44.19136 | 10.31324 | 31.89676 |
| 7/6/2025 | 10:00:00 AM | 33.85472 | 52.39294 | 18.53822 | 28.84178 | 36.78329 | 2.92857 | 45.41143 | 33.79045 | -0.06427 | 49.53427 | 44.16993 | 10.31521 | 31.89479 |
| 7/6/2025 | 11:00:00 AM | 33.83465 | 52.38221 | 18.54756 | 28.83244 | 36.77971 | 2.94506 | 45.39494 | 33.77954 | -0.05511 | 49.52511 | 44.15565 | 10.321 | 31.889 |
| 7/6/2025 | 12:00:00 PM | 33.82128 | 52.32141 | 18.50013 | 28.87987 | 36.77971 | 2.95843 | 45.38157 | 33.76501 | -0.05627 | 49.52627 | 44.14494 | 10.32366 | 31.88634 |
| 7/6/2025 | 1:00:00 PM | 33.79452 | 52.29996 | 18.50544 | 28.87456 | 36.77613 | 2.98161 | 45.35839 | 33.74684 | -0.04768 | 49.51768 | 44.13065 | 10.33613 | 31.87387 |
| 7/6/2025 | 2:00:00 PM | 33.77446 | 52.2785 | 18.50404 | 28.87596 | 36.77255 | 2.99809 | 45.34191 | 33.72866 | -0.0458 | 49.5158 | 44.11279 | 10.33833 | 31.87167 |
| 7/6/2025 | 3:00:00 PM | 33.76777 | 52.26777 | 18.5 | 28.88 | 36.76539 | 2.99762 | 45.34238 | 33.71413 | -0.05364 | 49.52364 | 44.11279 | 10.34502 | 31.86498 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/6/2025 | 4:00:00 PM | 33.75105 | 52.25704 | 18.50599 | 28.87401 | 36.75465 | 3.0036 | 45.3364 | 33.70323 | -0.04782 | 49.51782 | 44.09851 | 10.34746 | 31.86254 |
| 7/6/2025 | 5:00:00 PM | 33.73768 | 52.23201 | 18.49433 | 28.88567 | 36.75107 | 3.01339 | 45.32661 | 33.68869 | -0.04899 | 49.51899 | 44.08422 | 10.34654 | 31.86346 |
| 7/6/2025 | 6:00:00 PM | 33.72764 | 52.2034 | 18.47576 | 28.90424 | 36.73675 | 3.00911 | 45.33089 | 33.67415 | -0.05349 | 49.52349 | 44.06637 | 10.33873 | 31.87127 |
| 7/6/2025 | 7:00:00 PM | 33.72096 | 52.19268 | 18.47172 | 28.90828 | 36.73675 | 3.01579 | 45.32421 | 33.66688 | -0.05408 | 49.52408 | 44.06637 | 10.34541 | 31.86459 |
| 7/6/2025 | 8:00:00 PM | 33.73099 | 52.19625 | 18.46526 | 28.91474 | 36.72601 | 2.99502 | 45.34498 | 33.66325 | -0.06774 | 49.53774 | 44.05922 | 10.32823 | 31.88177 |
| 7/6/2025 | 9:00:00 PM | 33.72764 | 52.18195 | 18.45431 | 28.92569 | 36.71528 | 2.98764 | 45.35236 | 33.65962 | -0.06802 | 49.53802 | 44.05208 | 10.32444 | 31.88556 |
| 7/6/2025 | 10:00:00 PM | 33.73099 | 52.18552 | 18.45453 | 28.92547 | 36.70812 | 2.97713 | 45.36287 | 33.66325 | -0.06774 | 49.53774 | 44.05208 | 10.32109 | 31.88891 |
| 7/6/2025 | 11:00:00 PM | 33.7243 | 52.17837 | 18.45407 | 28.92593 | 36.70096 | 2.97666 | 45.36334 | 33.66325 | -0.06105 | 49.53105 | 44.04137 | 10.31707 | 31.89293 |
| 7/7/2025 | 12:00:00 AM | 33.71761 | 52.18195 | 18.46434 | 28.91566 | 36.69738 | 2.97977 | 45.36023 | 33.64871 | -0.0689 | 49.5389 | 44.03065 | 10.31304 | 31.89696 |
| 7/7/2025 | 1:00:00 AM | 33.71092 | 52.17837 | 18.46745 | 28.91255 | 36.69022 | 2.9793 | 45.3607 | 33.64871 | -0.06221 | 49.53221 | 44.02351 | 10.31259 | 31.89741 |
| 7/7/2025 | 2:00:00 AM | 33.70424 | 52.0246 | 18.32036 | 29.05964 | 36.68306 | 2.97882 | 45.36118 | 33.63781 | -0.06643 | 49.53643 | 44.02351 | 10.31927 | 31.89073 |
| 7/7/2025 | 3:00:00 AM | 33.6942 | 52.0246 | 18.3304 | 29.0496 | 36.6759 | 2.9817 | 45.3583 | 33.63054 | -0.06366 | 49.53366 | 44.01637 | 10.32217 | 31.88783 |
| 7/7/2025 | 4:00:00 AM | 33.68417 | 52.02818 | 18.34401 | 29.03599 | 36.6759 | 2.99173 | 45.34827 | 33.62691 | -0.05726 | 49.52726 | 44.00565 | 10.32148 | 31.88852 |
| 7/7/2025 | 5:00:00 AM | 33.68752 | 52.0389 | 18.35138 | 29.02862 | 36.6759 | 2.98838 | 45.35162 | 33.62691 | -0.06061 | 49.53061 | 44.00923 | 10.32171 | 31.88829 |
| 7/7/2025 | 6:00:00 AM | 33.68417 | 52.04963 | 18.36546 | 29.01454 | 36.658 | 2.97383 | 45.36617 | 33.61601 | -0.06816 | 49.53816 | 44.00208 | 10.31791 | 31.89209 |
| 7/7/2025 | 7:00:00 AM | 33.68417 | 52.06036 | 18.37619 | 29.00381 | 36.658 | 2.97383 | 45.36617 | 33.61237 | -0.0718 | 49.5418 | 44.00923 | 10.32506 | 31.88494 |
| 7/7/2025 | 8:00:00 AM | 33.67748 | 52.06751 | 18.39003 | 28.98997 | 36.65084 | 2.97336 | 45.36664 | 33.61601 | -0.06147 | 49.53147 | 43.99851 | 10.32103 | 31.88897 |
| 7/7/2025 | 9:00:00 AM | 33.67748 | 52.07109 | 18.39361 | 28.98639 | 36.64369 | 2.96621 | 45.37379 | 33.60874 | -0.06874 | 49.53874 | 43.99137 | 10.31389 | 31.89611 |
| 7/7/2025 | 10:00:00 AM | 33.65742 | 52.06394 | 18.40652 | 28.97348 | 36.63653 | 2.97911 | 45.36089 | 33.5942 | -0.06322 | 49.53322 | 43.98066 | 10.32324 | 31.88676 |
| 7/7/2025 | 11:00:00 AM | 33.63401 | 52.09612 | 18.46211 | 28.91789 | 36.63295 | 2.99894 | 45.34106 | 33.59057 | -0.04344 | 49.51344 | 43.96994 | 10.33593 | 31.87407 |
| 7/7/2025 | 12:00:00 PM | 33.63067 | 52.08897 | 18.4583 | 28.9217 | 36.62221 | 2.99154 | 45.34846 | 33.57966 | -0.05101 | 49.52101 | 43.9628 | 10.33213 | 31.87787 |
| 7/7/2025 | 1:00:00 PM | 33.61729 | 52.07467 | 18.45738 | 28.92262 | 36.62221 | 3.00492 | 45.33508 | 33.56513 | -0.05216 | 49.52216 | 43.94137 | 10.32408 | 31.88592 |
| 7/7/2025 | 2:00:00 PM | 33.60726 | 52.07109 | 18.46383 | 28.91617 | 36.61147 | 3.00421 | 45.33579 | 33.55786 | -0.0494 | 49.5194 | 43.93423 | 10.32697 | 31.88303 |
| 7/7/2025 | 3:00:00 PM | 33.59054 | 52.04963 | 18.45909 | 28.92091 | 36.60073 | 3.01019 | 45.32981 | 33.54332 | -0.04722 | 49.51722 | 43.92351 | 10.33297 | 31.87703 |
| 7/7/2025 | 4:00:00 PM | 33.58385 | 52.0246 | 18.44075 | 28.93925 | 36.59357 | 3.00972 | 45.33028 | 33.52879 | -0.05506 | 49.52506 | 43.9128 | 10.32895 | 31.88105 |
| 7/7/2025 | 5:00:00 PM | 33.56379 | 52.00672 | 18.44293 | 28.93707 | 36.58283 | 3.01904 | 45.32096 | 33.51425 | -0.04954 | 49.51954 | 43.89852 | 10.33473 | 31.87527 |
| 7/7/2025 | 6:00:00 PM | 33.5571 | 51.98169 | 18.42459 | 28.95541 | 36.58283 | 3.02573 | 45.31427 | 33.49971 | -0.05739 | 49.52739 | 43.88423 | 10.32713 | 31.88287 |
| 7/7/2025 | 7:00:00 PM | 33.55041 | 51.97454 | 18.42413 | 28.95587 | 36.56852 | 3.01811 | 45.32189 | 33.49244 | -0.05797 | 49.52797 | 43.88066 | 10.33025 | 31.87975 |
| 7/7/2025 | 8:00:00 PM | 33.5571 | 51.97454 | 18.41744 | 28.96256 | 36.5542 | 2.9971 | 45.3429 | 33.49608 | -0.06102 | 49.53102 | 43.87352 | 10.31642 | 31.89358 |
| 7/7/2025 | 9:00:00 PM | 33.56379 | 51.97096 | 18.40717 | 28.97283 | 36.55062 | 2.98683 | 45.35317 | 33.49608 | -0.06771 | 49.53771 | 43.88423 | 10.32044 | 31.88956 |
| 7/7/2025 | 10:00:00 PM | 33.58385 | 51.97811 | 18.39426 | 28.98574 | 36.53988 | 2.95603 | 45.38397 | 33.51061 | -0.07324 | 49.54324 | 43.8878 | 10.30395 | 31.90605 |
| 7/7/2025 | 11:00:00 PM | 33.58385 | 51.98884 | 18.40499 | 28.97501 | 36.53988 | 2.95603 | 45.38397 | 33.51061 | -0.07324 | 49.54324 | 43.89137 | 10.30752 | 31.90248 |
| 7/8/2025 | 12:00:00 AM | 33.59388 | 51.99599 | 18.40211 | 28.97789 | 36.5363 | 2.94242 | 45.39758 | 33.52515 | -0.06873 | 49.53873 | 43.8878 | 10.29392 | 31.91608 |
| 7/8/2025 | 1:00:00 AM | 33.59723 | 52.0103 | 18.41307 | 28.96693 | 36.52914 | 2.93191 | 45.40809 | 33.52515 | -0.07208 | 49.54208 | 43.89137 | 10.29414 | 31.91586 |
| 7/8/2025 | 2:00:00 AM | 33.60392 | 52.02818 | 18.42426 | 28.95574 | 36.52914 | 2.92522 | 45.41478 | 33.52879 | -0.07513 | 49.54513 | 43.90209 | 10.29817 | 31.91183 |
| 7/8/2025 | 3:00:00 AM | 33.60392 | 52.0246 | 18.42068 | 28.95932 | 36.5184 | 2.91448 | 45.42552 | 33.53605 | -0.06787 | 49.53787 | 43.8878 | 10.28388 | 31.92612 |
| 7/8/2025 | 4:00:00 AM | 33.6106 | 52.03175 | 18.42115 | 28.95885 | 36.52198 | 2.91138 | 45.42862 | 33.53969 | -0.07091 | 49.54091 | 43.89137 | 10.28077 | 31.92923 |
| 7/8/2025 | 5:00:00 AM | 33.6106 | 52.04606 | 18.43546 | 28.94454 | 36.52198 | 2.91138 | 45.42862 | 33.53969 | -0.07091 | 49.54091 | 43.90923 | 10.29863 | 31.91137 |
| 7/8/2025 | 6:00:00 AM | 33.63067 | 52.07109 | 18.44042 | 28.93958 | 36.5184 | 2.88773 | 45.45227 | 33.54696 | -0.08371 | 49.55371 | 43.9128 | 10.28213 | 31.92787 |
| 7/8/2025 | 7:00:00 AM | 33.62064 | 52.08182 | 18.46118 | 28.91882 | 36.51482 | 2.89418 | 45.44582 | 33.55059 | -0.07005 | 49.54005 | 43.90923 | 10.28859 | 31.92141 |
| 7/8/2025 | 8:00:00 AM | 33.62732 | 52.07109 | 18.44377 | 28.93623 | 36.52198 | 2.89466 | 45.44534 | 33.55422 | -0.0731 | 49.5431 | 43.9128 | 10.28548 | 31.92452 |
| 7/8/2025 | 9:00:00 AM | 33.63736 | 52.07824 | 18.44088 | 28.93912 | 36.52198 | 2.88462 | 45.45538 | 33.56149 | -0.07587 | 49.54587 | 43.91637 | 10.27901 | 31.93099 |
| 7/8/2025 | 10:00:00 AM | 33.63401 | 52.09255 | 18.45854 | 28.92146 | 36.52198 | 2.88797 | 45.45203 | 33.55786 | -0.07615 | 49.54615 | 43.92709 | 10.29308 | 31.91692 |
| 7/8/2025 | 11:00:00 AM | 33.6407 | 52.10327 | 18.46257 | 28.91743 | 36.52198 | 2.88128 | 45.45872 | 33.56876 | -0.07194 | 49.54194 | 43.92709 | 10.28639 | 31.92361 |
| 7/8/2025 | 12:00:00 PM | 33.63736 | 52.09612 | 18.45876 | 28.92124 | 36.52556 | 2.8882 | 45.4518 | 33.56876 | -0.0686 | 49.5386 | 43.92351 | 10.28615 | 31.92385 |
| 7/8/2025 | 1:00:00 PM | 33.6407 | 52.09255 | 18.45185 | 28.92815 | 36.52198 | 2.88128 | 45.45872 | 33.56513 | -0.07557 | 49.54557 | 43.91994 | 10.27924 | 31.93076 |
| 7/8/2025 | 2:00:00 PM | 33.63736 | 52.07824 | 18.44088 | 28.93912 | 36.52556 | 2.8882 | 45.4518 | 33.56513 | -0.07223 | 49.54223 | 43.9128 | 10.27544 | 31.93456 |
| 7/8/2025 | 3:00:00 PM | 33.62732 | 52.07824 | 18.45092 | 28.92908 | 36.5184 | 2.89108 | 45.44892 | 33.55059 | -0.07673 | 49.54673 | 43.9128 | 10.28548 | 31.92452 |
| 7/8/2025 | 4:00:00 PM | 33.63401 | 52.08897 | 18.45496 | 28.92504 | 36.5184 | 2.88439 | 45.45561 | 33.56513 | -0.06888 | 49.53888 | 43.93066 | 10.29665 | 31.91335 |
| 7/8/2025 | 5:00:00 PM | 33.62064 | 52.06036 | 18.43972 | 28.94028 | 36.5184 | 2.89776 | 45.44224 | 33.55786 | -0.06278 | 49.53278 | 43.90923 | 10.28859 | 31.92141 |
| 7/8/2025 | 6:00:00 PM | 33.62398 | 52.05321 | 18.42923 | 28.95077 | 36.52198 | 2.898 | 45.442 | 33.55422 | -0.06976 | 49.53976 | 43.9128 | 10.28882 | 31.92118 |
| 7/8/2025 | 7:00:00 PM | 33.64404 | 52.06036 | 18.41632 | 28.96368 | 36.52556 | 2.88152 | 45.45848 | 33.56876 | -0.07528 | 49.54528 | 43.92351 | 10.27947 | 31.93053 |
| 7/8/2025 | 8:00:00 PM | 33.65073 | 52.0389 | 18.38817 | 28.99183 | 36.52198 | 2.87125 | 45.46875 | 33.5724 | -0.07833 | 49.54833 | 43.92709 | 10.27636 | 31.93364 |
| 7/8/2025 | 9:00:00 PM | 33.65408 | 51.96738 | 18.3133 | 29.0667 | 36.5184 | 2.86432 | 45.47568 | 33.57966 | -0.07442 | 49.54442 | 43.92351 | 10.26943 | 31.94057 |
| 7/8/2025 | 10:00:00 PM | 33.66745 | 51.98169 | 18.31424 | 29.06576 | 36.5184 | 2.85095 | 45.48905 | 33.5833 | -0.08415 | 49.55415 | 43.94494 | 10.27749 | 31.93251 |
| 7/8/2025 | 11:00:00 PM | 33.68752 | 52.00314 | 18.31562 | 29.06438 | 36.5184 | 2.83088 | 45.50912 | 33.59783 | -0.08969 | 49.55969 | 43.95208 | 10.26456 | 31.94544 |
| 7/9/2025 | 12:00:00 AM | 33.68083 | 51.99957 | 18.31874 | 29.06126 | 36.53272 | 2.85189 | 45.48811 | 33.6051 | -0.07573 | 49.54573 | 43.94851 | 10.26768 | 31.94232 |
| 7/9/2025 | 1:00:00 AM | 33.68752 | 52.02102 | 18.3335 | 29.0465 | 36.53272 | 2.8452 | 45.4948 | 33.61237 | -0.07515 | 49.54515 | 43.95923 | 10.27171 | 31.93829 |
| 7/9/2025 | 2:00:00 AM | 33.69755 | 52.0389 | 18.34135 | 29.03865 | 36.53988 | 2.84233 | 45.49767 | 33.61964 | -0.07791 | 49.54791 | 43.9628 | 10.26525 | 31.94475 |
| 7/9/2025 | 3:00:00 AM | 33.6942 | 52.04963 | 18.35543 | 29.02457 | 36.53988 | 2.84568 | 45.49432 | 33.60874 | -0.08546 | 49.55546 | 43.9628 | 10.2686 | 31.9414 |
| 7/9/2025 | 4:00:00 AM | 33.70089 | 52.06036 | 18.35947 | 29.02053 | 36.5363 | 2.83541 | 45.50459 | 33.61964 | -0.08125 | 49.55125 | 43.9628 | 10.26191 | 31.94809 |
| 7/9/2025 | 5:00:00 AM | 33.70089 | 52.07824 | 18.37735 | 29.00265 | 36.53988 | 2.83899 | 45.50101 | 33.62327 | -0.07762 | 49.54762 | 43.97351 | 10.27262 | 31.93738 |
| 7/9/2025 | 6:00:00 AM | 33.72096 | 52.10327 | 18.38231 | 28.99769 | 36.54704 | 2.82608 | 45.51392 | 33.63054 | -0.09042 | 49.56042 | 43.9878 | 10.26684 | 31.94316 |
| 7/9/2025 | 7:00:00 AM | 33.73099 | 52.11758 | 18.38659 | 28.99341 | 36.5542 | 2.82321 | 45.51679 | 33.64144 | -0.08955 | 49.55955 | 43.99494 | 10.26395 | 31.94605 |
| 7/9/2025 | 8:00:00 AM | 33.73768 | 52.14261 | 18.40493 | 28.97507 | 36.5542 | 2.81652 | 45.52348 | 33.65235 | -0.08533 | 49.55533 | 44.0128 | 10.27512 | 31.93488 |
| 7/9/2025 | 9:00:00 AM | 33.74771 | 52.16407 | 18.41636 | 28.96364 | 36.56494 | 2.81723 | 45.52277 | 33.65962 | -0.08809 | 49.55809 | 44.00565 | 10.25794 | 31.95206 |
| 7/9/2025 | 10:00:00 AM | 33.76108 | 52.13903 | 18.37795 | 29.00205 | 36.57567 | 2.81459 | 45.52541 | 33.67779 | -0.08329 | 49.55329 | 44.02708 | 10.266 | 31.944 |
| 7/9/2025 | 11:00:00 AM | 33.77446 | 52.15334 | 18.37888 | 29.00112 | 36.57209 | 2.79763 | 45.54237 | 33.68505 | -0.08941 | 49.55941 | 44.02351 | 10.24905 | 31.96095 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/9/2025 | 12:00:00 PM | 33.78784 | 52.1748 | 18.38696 | 28.99304 | 36.58283 | 2.79499 | 45.54501 | 33.69232 | -0.09552 | 49.56552 | 44.04494 | 10.2571 | 31.9529 |
| 7/9/2025 | 1:00:00 PM | 33.79452 | 52.18195 | 18.38743 | 28.99257 | 36.58999 | 2.79547 | 45.54453 | 33.70323 | -0.09129 | 49.56129 | 44.04494 | 10.25042 | 31.95958 |
| 7/9/2025 | 2:00:00 PM | 33.80121 | 52.28565 | 18.48444 | 28.89556 | 36.58999 | 2.78878 | 45.55122 | 33.71049 | -0.09072 | 49.56072 | 44.04851 | 10.2473 | 31.9627 |
| 7/9/2025 | 3:00:00 PM | 33.79787 | 52.22844 | 18.43057 | 28.94943 | 36.60073 | 2.80286 | 45.53714 | 33.71776 | -0.08011 | 49.55011 | 44.05922 | 10.26135 | 31.94865 |
| 7/9/2025 | 4:00:00 PM | 33.80121 | 52.24989 | 18.44868 | 28.93132 | 36.60789 | 2.80668 | 45.53332 | 33.71776 | -0.08345 | 49.55345 | 44.0628 | 10.26159 | 31.94841 |
| 7/9/2025 | 5:00:00 PM | 33.79787 | 52.25704 | 18.45917 | 28.92083 | 36.60789 | 2.81002 | 45.52998 | 33.7214 | -0.07647 | 49.54647 | 44.06994 | 10.27207 | 31.93793 |
| 7/9/2025 | 6:00:00 PM | 33.80121 | 52.27135 | 18.47014 | 28.90986 | 36.62221 | 2.821 | 45.519 | 33.71776 | -0.08345 | 49.55345 | 44.06637 | 10.26516 | 31.94484 |
| 7/9/2025 | 7:00:00 PM | 33.80121 | 52.28923 | 18.48802 | 28.89198 | 36.62579 | 2.82458 | 45.51542 | 33.71776 | -0.08345 | 49.55345 | 44.06994 | 10.26873 | 31.94127 |
| 7/9/2025 | 8:00:00 PM | 33.81459 | 52.31069 | 18.4961 | 28.8839 | 36.62579 | 2.8112 | 45.5288 | 33.72503 | -0.08956 | 49.55956 | 44.08422 | 10.26963 | 31.94037 |
| 7/9/2025 | 9:00:00 PM | 33.81124 | 52.32141 | 18.51017 | 28.86983 | 36.63653 | 2.82529 | 45.51471 | 33.72866 | -0.08258 | 49.55258 | 44.08779 | 10.27655 | 31.93345 |
| 7/9/2025 | 10:00:00 PM | 33.838 | 52.35002 | 18.51202 | 28.86798 | 36.63653 | 2.79853 | 45.54147 | 33.7432 | -0.0948 | 49.5648 | 44.10565 | 10.26765 | 31.94235 |
| 7/9/2025 | 11:00:00 PM | 33.84468 | 52.37148 | 18.5268 | 28.8532 | 36.64369 | 2.79901 | 45.54099 | 33.75047 | -0.09421 | 49.56421 | 44.10922 | 10.26454 | 31.94546 |
| 7/10/2025 | 12:00:00 AM | 33.84134 | 52.37505 | 18.53371 | 28.84629 | 36.65442 | 2.81308 | 45.52692 | 33.7541 | -0.08724 | 49.55724 | 44.10208 | 10.26074 | 31.94926 |
| 7/10/2025 | 1:00:00 AM | 33.838 | 52.38936 | 18.55136 | 28.82864 | 36.65442 | 2.81642 | 45.52358 | 33.76137 | -0.07663 | 49.54663 | 44.10922 | 10.27122 | 31.93878 |
| 7/10/2025 | 2:00:00 AM | 33.85137 | 52.39651 | 18.54514 | 28.83486 | 36.66158 | 2.81021 | 45.52979 | 33.76137 | -0.09 | 49.56 | 44.11994 | 10.26857 | 31.94143 |
| 7/10/2025 | 3:00:00 AM | 33.85137 | 52.40366 | 18.55229 | 28.82771 | 36.6759 | 2.82453 | 45.51547 | 33.76501 | -0.08636 | 49.55636 | 44.11636 | 10.26499 | 31.94501 |
| 7/10/2025 | 4:00:00 AM | 33.85472 | 52.41797 | 18.56325 | 28.81675 | 36.66874 | 2.81402 | 45.52598 | 33.76864 | -0.08608 | 49.55608 | 44.12708 | 10.27236 | 31.93764 |
| 7/10/2025 | 5:00:00 AM | 33.86475 | 52.43585 | 18.5711 | 28.8089 | 36.67948 | 2.81473 | 45.52527 | 33.77591 | -0.08884 | 49.55884 | 44.14494 | 10.28019 | 31.92981 |
| 7/10/2025 | 6:00:00 AM | 33.86809 | 52.443 | 18.57491 | 28.80509 | 36.67948 | 2.81139 | 45.52861 | 33.78318 | -0.08491 | 49.55491 | 44.13779 | 10.2697 | 31.9403 |
| 7/10/2025 | 7:00:00 AM | 33.88147 | 52.46088 | 18.57941 | 28.80059 | 36.68664 | 2.80517 | 45.53483 | 33.78681 | -0.09466 | 49.56466 | 44.14851 | 10.26704 | 31.94296 |
| 7/10/2025 | 8:00:00 AM | 33.89819 | 52.47518 | 18.57699 | 28.80301 | 36.70096 | 2.80277 | 45.53723 | 33.80862 | -0.08957 | 49.55957 | 44.16279 | 10.2646 | 31.9454 |
| 7/10/2025 | 9:00:00 AM | 33.91491 | 52.50022 | 18.58531 | 28.79469 | 36.70096 | 2.78605 | 45.55395 | 33.81952 | -0.09539 | 49.56539 | 44.17351 | 10.2586 | 31.9514 |
| 7/10/2025 | 10:00:00 AM | 33.9216 | 52.50022 | 18.57862 | 28.80138 | 36.70454 | 2.78294 | 45.55706 | 33.83042 | -0.09118 | 49.56118 | 44.17351 | 10.25191 | 31.95809 |
| 7/10/2025 | 11:00:00 AM | 33.92494 | 52.50737 | 18.58243 | 28.79757 | 36.7117 | 2.78676 | 45.55324 | 33.83042 | -0.09452 | 49.56452 | 44.17351 | 10.24857 | 31.96143 |
| 7/10/2025 | 12:00:00 PM | 33.92828 | 52.50737 | 18.57909 | 28.80091 | 36.72244 | 2.79416 | 45.54584 | 33.83769 | -0.09059 | 49.56059 | 44.18065 | 10.25237 | 31.95763 |
| 7/10/2025 | 1:00:00 PM | 33.91825 | 52.49664 | 18.57839 | 28.80161 | 36.73317 | 2.81492 | 45.52508 | 33.83406 | -0.08419 | 49.55419 | 44.18065 | 10.2624 | 31.9476 |
| 7/10/2025 | 2:00:00 PM | 33.91491 | 52.50379 | 18.58888 | 28.79112 | 36.74033 | 2.82542 | 45.51458 | 33.83769 | -0.07722 | 49.54722 | 44.17708 | 10.26217 | 31.94783 |
| 7/10/2025 | 3:00:00 PM | 33.90488 | 52.48949 | 18.58461 | 28.79539 | 36.73675 | 2.83187 | 45.50813 | 33.83769 | -0.06719 | 49.53719 | 44.18065 | 10.27577 | 31.93423 |
| 7/10/2025 | 4:00:00 PM | 33.90153 | 52.47876 | 18.57723 | 28.80277 | 36.74749 | 2.84596 | 45.49404 | 33.83042 | -0.07111 | 49.54111 | 44.16993 | 10.2684 | 31.9416 |
| 7/10/2025 | 5:00:00 PM | 33.88481 | 52.46446 | 18.57965 | 28.80035 | 36.74391 | 2.8591 | 45.4809 | 33.81225 | -0.07256 | 49.54256 | 44.15565 | 10.27084 | 31.93916 |
| 7/10/2025 | 6:00:00 PM | 33.87144 | 52.45373 | 18.58229 | 28.79771 | 36.74749 | 2.87605 | 45.46395 | 33.80135 | -0.07009 | 49.54009 | 44.15565 | 10.28421 | 31.92579 |
| 7/10/2025 | 7:00:00 PM | 33.8614 | 52.4287 | 18.5673 | 28.8127 | 36.74749 | 2.88609 | 45.45391 | 33.79408 | -0.06732 | 49.53732 | 44.15208 | 10.29068 | 31.91932 |
| 7/10/2025 | 8:00:00 PM | 33.85137 | 52.42154 | 18.57017 | 28.80983 | 36.74749 | 2.89612 | 45.44388 | 33.79045 | -0.06092 | 49.53092 | 44.14851 | 10.29714 | 31.91286 |
| 7/10/2025 | 9:00:00 PM | 33.85137 | 52.41082 | 18.55945 | 28.82055 | 36.74749 | 2.89612 | 45.44388 | 33.78318 | -0.06819 | 49.53819 | 44.14136 | 10.28999 | 31.92001 |
| 7/10/2025 | 10:00:00 PM | 33.86809 | 52.42512 | 18.55703 | 28.82297 | 36.74749 | 2.8794 | 45.4606 | 33.79771 | -0.07038 | 49.54038 | 44.15922 | 10.29113 | 31.91887 |
| 7/10/2025 | 11:00:00 PM | 33.88147 | 52.4287 | 18.54723 | 28.83277 | 36.74391 | 2.86244 | 45.47756 | 33.79771 | -0.08376 | 49.55376 | 44.15565 | 10.27418 | 31.93582 |
| 7/11/2025 | 12:00:00 AM | 33.86809 | 52.42154 | 18.55345 | 28.82655 | 36.74749 | 2.8794 | 45.4606 | 33.79408 | -0.07401 | 49.54401 | 44.14494 | 10.27685 | 31.93315 |
| 7/11/2025 | 1:00:00 AM | 33.87478 | 52.42154 | 18.54676 | 28.83324 | 36.74749 | 2.87271 | 45.46729 | 33.79045 | -0.08433 | 49.55433 | 44.14494 | 10.27016 | 31.93984 |
| 7/11/2025 | 2:00:00 AM | 33.86809 | 52.4287 | 18.56061 | 28.81939 | 36.74391 | 2.87582 | 45.46418 | 33.79771 | -0.07038 | 49.54038 | 44.14136 | 10.27327 | 31.93673 |
| 7/11/2025 | 3:00:00 AM | 33.87144 | 52.43585 | 18.56441 | 28.81559 | 36.75107 | 2.87963 | 45.46037 | 33.79771 | -0.07373 | 49.54373 | 44.14494 | 10.2735 | 31.9365 |
| 7/11/2025 | 4:00:00 AM | 33.87144 | 52.44658 | 18.57514 | 28.80486 | 36.75107 | 2.87963 | 45.46037 | 33.80498 | -0.06646 | 49.53646 | 44.14494 | 10.2735 | 31.9365 |
| 7/11/2025 | 5:00:00 AM | 33.86475 | 52.43585 | 18.5711 | 28.8089 | 36.74749 | 2.88274 | 45.45726 | 33.79045 | -0.0743 | 49.5443 | 44.14494 | 10.28019 | 31.92981 |
| 7/11/2025 | 6:00:00 AM | 33.87478 | 52.45015 | 18.57537 | 28.80463 | 36.74749 | 2.87271 | 45.46729 | 33.79045 | -0.08433 | 49.55433 | 44.15208 | 10.2773 | 31.9327 |
| 7/11/2025 | 7:00:00 AM | 33.87478 | 52.4573 | 18.58252 | 28.79748 | 36.74749 | 2.87271 | 45.46729 | 33.79408 | -0.0807 | 49.5507 | 44.14494 | 10.27016 | 31.93984 |
| 7/11/2025 | 8:00:00 AM | 33.87812 | 52.46088 | 18.58276 | 28.79724 | 36.74749 | 2.86937 | 45.47063 | 33.79771 | -0.08041 | 49.55041 | 44.14851 | 10.27039 | 31.93961 |
| 7/11/2025 | 9:00:00 AM | 33.87478 | 52.43942 | 18.56464 | 28.81536 | 36.74749 | 2.87271 | 45.46729 | 33.80135 | -0.07343 | 49.54343 | 44.13779 | 10.26301 | 31.94699 |
| 7/11/2025 | 10:00:00 AM | 33.85806 | 52.42512 | 18.56706 | 28.81294 | 36.74749 | 2.88943 | 45.45057 | 33.78681 | -0.07125 | 49.54125 | 44.13422 | 10.27616 | 31.93384 |
| 7/11/2025 | 11:00:00 AM | 33.85472 | 52.43585 | 18.58113 | 28.79887 | 36.74391 | 2.88919 | 45.45081 | 33.78318 | -0.07154 | 49.54154 | 44.14136 | 10.28664 | 31.92336 |
| 7/11/2025 | 12:00:00 PM | 33.84134 | 52.41439 | 18.57305 | 28.80695 | 36.74391 | 2.90257 | 45.43743 | 33.77954 | -0.0618 | 49.5318 | 44.11994 | 10.2786 | 31.9314 |
| 7/11/2025 | 1:00:00 PM | 33.82796 | 52.40724 | 18.57928 | 28.80072 | 36.74391 | 2.91595 | 45.42405 | 33.76137 | -0.06659 | 49.53659 | 44.10922 | 10.28126 | 31.92874 |
| 7/11/2025 | 2:00:00 PM | 33.81459 | 52.38578 | 18.57119 | 28.80881 | 36.73675 | 2.92216 | 45.41784 | 33.75774 | -0.05685 | 49.52685 | 44.10208 | 10.28749 | 31.92251 |
| 7/11/2025 | 3:00:00 PM | 33.8079 | 52.3679 | 18.56 | 28.82 | 36.73675 | 2.92885 | 45.41115 | 33.7432 | -0.0647 | 49.5347 | 44.09851 | 10.29061 | 31.91939 |
| 7/11/2025 | 4:00:00 PM | 33.79787 | 52.35717 | 18.5593 | 28.8207 | 36.73675 | 2.93888 | 45.40112 | 33.73957 | -0.0583 | 49.5283 | 44.08422 | 10.28635 | 31.92365 |
| 7/11/2025 | 5:00:00 PM | 33.77112 | 52.31069 | 18.53957 | 28.84043 | 36.72959 | 2.95847 | 45.38153 | 33.72503 | -0.04609 | 49.51609 | 44.0628 | 10.29168 | 31.91832 |
| 7/11/2025 | 6:00:00 PM | 33.76777 | 52.29638 | 18.52861 | 28.85139 | 36.72959 | 2.96182 | 45.37818 | 33.71413 | -0.05364 | 49.52364 | 44.05922 | 10.29145 | 31.91855 |
| 7/11/2025 | 7:00:00 PM | 33.77446 | 52.29638 | 18.52192 | 28.85808 | 36.71528 | 2.94082 | 45.39918 | 33.71049 | -0.06397 | 49.53397 | 44.0628 | 10.28834 | 31.92166 |
| 7/11/2025 | 8:00:00 PM | 33.78115 | 52.28923 | 18.50808 | 28.87192 | 36.71886 | 2.93771 | 45.40229 | 33.71776 | -0.06339 | 49.53339 | 44.06637 | 10.28522 | 31.92478 |
| 7/11/2025 | 9:00:00 PM | 33.7778 | 52.2785 | 18.5007 | 28.8793 | 36.70812 | 2.93032 | 45.40968 | 33.71413 | -0.06367 | 49.53367 | 44.05922 | 10.28142 | 31.92858 |
| 7/11/2025 | 10:00:00 PM | 33.79787 | 52.29281 | 18.49494 | 28.88506 | 36.69738 | 2.89951 | 45.44049 | 33.72866 | -0.06921 | 49.53921 | 44.06637 | 10.2685 | 31.9415 |
| 7/11/2025 | 11:00:00 PM | 33.79452 | 52.28923 | 18.49471 | 28.88529 | 36.69738 | 2.90286 | 45.43714 | 33.7214 | -0.07312 | 49.54312 | 44.05922 | 10.2647 | 31.9453 |
| 7/12/2025 | 12:00:00 AM | 33.79118 | 52.28208 | 18.4909 | 28.8891 | 36.69022 | 2.89904 | 45.44096 | 33.71776 | -0.07342 | 49.54342 | 44.05208 | 10.2609 | 31.9491 |
| 7/12/2025 | 1:00:00 AM | 33.78784 | 52.2785 | 18.49066 | 28.88934 | 36.69738 | 2.90954 | 45.43046 | 33.71049 | -0.07735 | 49.54735 | 44.04851 | 10.26067 | 31.94933 |
| 7/12/2025 | 2:00:00 AM | 33.77112 | 52.27135 | 18.50023 | 28.87977 | 36.68664 | 2.91552 | 45.42448 | 33.70323 | -0.06789 | 49.53789 | 44.04137 | 10.27025 | 31.93975 |
| 7/12/2025 | 3:00:00 AM | 33.76777 | 52.28208 | 18.51431 | 28.86569 | 36.67948 | 2.91171 | 45.42829 | 33.71049 | -0.05728 | 49.52728 | 44.04494 | 10.27717 | 31.93283 |
| 7/12/2025 | 4:00:00 AM | 33.77112 | 52.15334 | 18.38222 | 28.99778 | 36.6759 | 2.90478 | 45.43522 | 33.70323 | -0.06789 | 49.53789 | 44.0378 | 10.26668 | 31.94332 |
| 7/12/2025 | 5:00:00 AM | 33.76777 | 52.15691 | 18.38914 | 28.99086 | 36.68306 | 2.91529 | 45.42471 | 33.69959 | -0.06818 | 49.53818 | 44.04137 | 10.2736 | 31.9364 |
| 7/12/2025 | 6:00:00 AM | 33.77112 | 52.16764 | 18.39652 | 28.98348 | 36.67948 | 2.90836 | 45.43164 | 33.70686 | -0.06426 | 49.53426 | 44.04494 | 10.27382 | 31.93618 |
| 7/12/2025 | 7:00:00 AM | 33.78115 | 52.1891 | 18.40795 | 28.97205 | 36.6759 | 2.89475 | 45.44525 | 33.71049 | -0.07066 | 49.54066 | 44.05922 | 10.27807 | 31.93193 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/12/2025 | 8:00:00 AM | 33.79118 | 52.19983 | 18.40865 | 28.97135 | 36.66516 | 2.87398 | 45.46602 | 33.71049 | -0.08069 | 49.55069 | 44.04851 | 10.25733 | 31.95267 |
| 7/12/2025 | 9:00:00 AM | 33.78449 | 52.2034 | 18.41891 | 28.96109 | 36.67232 | 2.88783 | 45.45217 | 33.71413 | -0.07036 | 49.54036 | 44.05208 | 10.26759 | 31.94241 |
| 7/12/2025 | 10:00:00 AM | 33.77446 | 52.19625 | 18.42179 | 28.95821 | 36.67232 | 2.89786 | 45.44214 | 33.71413 | -0.06033 | 49.53033 | 44.0378 | 10.26334 | 31.94666 |
| 7/12/2025 | 11:00:00 AM | 33.77112 | 52.19625 | 18.42513 | 28.95487 | 36.66874 | 2.89762 | 45.44238 | 33.70686 | -0.06426 | 49.53426 | 44.03422 | 10.2631 | 31.9469 |
| 7/12/2025 | 12:00:00 PM | 33.76777 | 52.19625 | 18.42848 | 28.95152 | 36.67232 | 2.90455 | 45.43545 | 33.69596 | -0.07181 | 49.54181 | 44.03422 | 10.26645 | 31.94355 |
| 7/12/2025 | 1:00:00 PM | 33.7544 | 52.18195 | 18.42755 | 28.95245 | 36.66874 | 2.91434 | 45.42566 | 33.69232 | -0.06208 | 49.53208 | 44.02351 | 10.26911 | 31.94089 |
| 7/12/2025 | 2:00:00 PM | 33.75105 | 52.1748 | 18.42375 | 28.95625 | 36.65442 | 2.90337 | 45.43663 | 33.68869 | -0.06236 | 49.53236 | 44.01994 | 10.26889 | 31.94111 |
| 7/12/2025 | 3:00:00 PM | 33.74436 | 52.16407 | 18.41971 | 28.96029 | 36.66158 | 2.91722 | 45.42278 | 33.68505 | -0.05931 | 49.52931 | 44.01994 | 10.27558 | 31.93442 |
| 7/12/2025 | 4:00:00 PM | 33.73768 | 52.14619 | 18.40851 | 28.97149 | 36.658 | 2.92032 | 45.41968 | 33.67779 | -0.05989 | 49.52989 | 44.0128 | 10.27512 | 31.93488 |
| 7/12/2025 | 5:00:00 PM | 33.7243 | 52.12115 | 18.39685 | 28.98315 | 36.64726 | 2.92296 | 45.41704 | 33.67415 | -0.05015 | 49.52015 | 43.99494 | 10.27064 | 31.93936 |
| 7/12/2025 | 6:00:00 PM | 33.71761 | 52.10685 | 18.38924 | 28.99076 | 36.64726 | 2.92965 | 45.41035 | 33.65598 | -0.06163 | 49.53163 | 43.98423 | 10.26662 | 31.94338 |
| 7/12/2025 | 7:00:00 PM | 33.71427 | 52.0997 | 18.38543 | 28.99457 | 36.64011 | 2.92584 | 45.41416 | 33.65962 | -0.05465 | 49.52465 | 43.98066 | 10.26639 | 31.94361 |
| 7/12/2025 | 8:00:00 PM | 33.73099 | 52.09255 | 18.36156 | 29.01844 | 36.63295 | 2.90196 | 45.43804 | 33.65962 | -0.07137 | 49.54137 | 43.99137 | 10.26038 | 31.94962 |
| 7/12/2025 | 9:00:00 PM | 33.73099 | 52.08897 | 18.35798 | 29.02202 | 36.62937 | 2.89838 | 45.44162 | 33.66325 | -0.06774 | 49.53774 | 43.99494 | 10.26395 | 31.94605 |
| 7/12/2025 | 10:00:00 PM | 33.76108 | 52.11043 | 18.34935 | 29.03065 | 36.62579 | 2.86471 | 45.47529 | 33.68505 | -0.07603 | 49.54603 | 44.0128 | 10.25172 | 31.95828 |
| 7/12/2025 | 11:00:00 PM | 33.77446 | 52.12115 | 18.34669 | 29.03331 | 36.62579 | 2.85133 | 45.48867 | 33.69232 | -0.08214 | 49.55214 | 44.01637 | 10.24191 | 31.96809 |
| 7/13/2025 | 12:00:00 AM | 33.77112 | 52.12831 | 18.35719 | 29.02281 | 36.62221 | 2.85109 | 45.48891 | 33.69596 | -0.07516 | 49.54516 | 44.01637 | 10.24525 | 31.96475 |
| 7/13/2025 | 1:00:00 AM | 33.77112 | 52.13188 | 18.36076 | 29.01924 | 36.62221 | 2.85109 | 45.48891 | 33.69596 | -0.07516 | 49.54516 | 44.01637 | 10.24525 | 31.96475 |
| 7/13/2025 | 2:00:00 AM | 33.76443 | 52.12473 | 18.3603 | 29.0197 | 36.62579 | 2.86136 | 45.47864 | 33.69232 | -0.07211 | 49.54211 | 44.00565 | 10.24122 | 31.96878 |
| 7/13/2025 | 3:00:00 AM | 33.75105 | 52.12473 | 18.37368 | 29.00632 | 36.62579 | 2.87474 | 45.46526 | 33.68142 | -0.06963 | 49.53963 | 43.99494 | 10.24389 | 31.96611 |
| 7/13/2025 | 4:00:00 AM | 33.7544 | 52.13546 | 18.38106 | 28.99894 | 36.62937 | 2.87497 | 45.46503 | 33.68142 | -0.07298 | 49.54298 | 44.00208 | 10.24768 | 31.96232 |
| 7/13/2025 | 5:00:00 AM | 33.76108 | 52.14976 | 18.38868 | 28.99132 | 36.62579 | 2.86471 | 45.47529 | 33.68505 | -0.07603 | 49.54603 | 44.00923 | 10.24815 | 31.96185 |
| 7/13/2025 | 6:00:00 AM | 33.76443 | 52.16049 | 18.39606 | 28.98394 | 36.62579 | 2.86136 | 45.47864 | 33.68869 | -0.07574 | 49.54574 | 44.0128 | 10.24837 | 31.96163 |
| 7/13/2025 | 7:00:00 AM | 33.77112 | 52.18195 | 18.41083 | 28.96917 | 36.62579 | 2.85467 | 45.48533 | 33.69596 | -0.07516 | 49.54516 | 44.01994 | 10.24882 | 31.96118 |
| 7/13/2025 | 8:00:00 AM | 33.78115 | 52.2034 | 18.42225 | 28.95775 | 36.62937 | 2.84822 | 45.49178 | 33.69959 | -0.08156 | 49.55156 | 44.03065 | 10.2495 | 31.9605 |
| 7/13/2025 | 9:00:00 AM | 33.78784 | 52.22486 | 18.43702 | 28.94298 | 36.63295 | 2.84511 | 45.49489 | 33.71049 | -0.07735 | 49.54735 | 44.02708 | 10.23924 | 31.97076 |
| 7/13/2025 | 10:00:00 AM | 33.77446 | 52.23916 | 18.4647 | 28.9153 | 36.62221 | 2.84775 | 45.49225 | 33.70323 | -0.07123 | 49.54123 | 44.03065 | 10.25619 | 31.95381 |
| 7/13/2025 | 11:00:00 AM | 33.76443 | 52.23559 | 18.47116 | 28.90884 | 36.62579 | 2.86136 | 45.47864 | 33.69596 | -0.06847 | 49.53847 | 44.0128 | 10.24837 | 31.96163 |
| 7/13/2025 | 12:00:00 PM | 33.75774 | 52.22128 | 18.46354 | 28.91646 | 36.63653 | 2.87879 | 45.46121 | 33.69596 | -0.06178 | 49.53178 | 44.00565 | 10.24791 | 31.96209 |
| 7/13/2025 | 1:00:00 PM | 33.75105 | 52.2034 | 18.45235 | 28.92765 | 36.62221 | 2.87116 | 45.46884 | 33.69232 | -0.05873 | 49.52873 | 43.99851 | 10.24746 | 31.96254 |
| 7/13/2025 | 2:00:00 PM | 33.74102 | 52.19268 | 18.45166 | 28.92834 | 36.62937 | 2.88835 | 45.45165 | 33.67779 | -0.06323 | 49.53323 | 43.99851 | 10.25749 | 31.95251 |
| 7/13/2025 | 3:00:00 PM | 33.72764 | 52.17122 | 18.44358 | 28.93642 | 36.62221 | 2.89457 | 45.44543 | 33.67052 | -0.05712 | 49.52712 | 43.99137 | 10.26373 | 31.94627 |
| 7/13/2025 | 4:00:00 PM | 33.71092 | 52.14619 | 18.43527 | 28.94473 | 36.62221 | 2.91129 | 45.42871 | 33.65962 | -0.0513 | 49.5213 | 43.96994 | 10.25902 | 31.95098 |
| 7/13/2025 | 5:00:00 PM | 33.70424 | 52.07467 | 18.37043 | 29.00957 | 36.61863 | 2.91439 | 45.42561 | 33.64144 | -0.0628 | 49.5328 | 43.9628 | 10.25856 | 31.95144 |
| 7/13/2025 | 6:00:00 PM | 33.70424 | 52.05321 | 18.34897 | 29.03103 | 36.61505 | 2.91081 | 45.42919 | 33.64144 | -0.0628 | 49.5328 | 43.95923 | 10.25499 | 31.95501 |
| 7/13/2025 | 7:00:00 PM | 33.71092 | 52.05321 | 18.34229 | 29.03771 | 36.60431 | 2.89339 | 45.44661 | 33.64871 | -0.06221 | 49.53221 | 43.96994 | 10.25902 | 31.95098 |
| 7/13/2025 | 8:00:00 PM | 33.71092 | 52.04248 | 18.33156 | 29.04844 | 36.60431 | 2.89339 | 45.44661 | 33.64871 | -0.06221 | 49.53221 | 43.96994 | 10.25902 | 31.95098 |
| 7/13/2025 | 9:00:00 PM | 33.71427 | 52.0389 | 18.32463 | 29.05537 | 36.60431 | 2.89004 | 45.44996 | 33.64508 | -0.06919 | 49.53919 | 43.9628 | 10.24853 | 31.96147 |
| 7/13/2025 | 10:00:00 PM | 33.7243 | 52.0389 | 18.3146 | 29.0654 | 36.59357 | 2.86927 | 45.47073 | 33.65235 | -0.07195 | 49.54195 | 43.96994 | 10.24564 | 31.96436 |
| 7/13/2025 | 11:00:00 PM | 33.71761 | 52.0389 | 18.32129 | 29.05871 | 36.59715 | 2.87954 | 45.46046 | 33.65235 | -0.06526 | 49.53526 | 43.95923 | 10.24162 | 31.96838 |
| 7/14/2025 | 12:00:00 AM | 33.72764 | 52.04606 | 18.31842 | 29.06158 | 36.60431 | 2.87667 | 45.46333 | 33.65962 | -0.06802 | 49.53802 | 43.9628 | 10.23516 | 31.97484 |
| 7/14/2025 | 1:00:00 AM | 33.73099 | 52.04963 | 18.31864 | 29.06136 | 36.59357 | 2.86258 | 45.47742 | 33.66325 | -0.06774 | 49.53774 | 43.96637 | 10.23538 | 31.97462 |
| 7/14/2025 | 2:00:00 AM | 33.72096 | 52.05679 | 18.33583 | 29.04417 | 36.58999 | 2.86903 | 45.47097 | 33.65962 | -0.06134 | 49.53134 | 43.96637 | 10.24541 | 31.96459 |
| 7/14/2025 | 3:00:00 AM | 33.7243 | 52.07109 | 18.34679 | 29.03321 | 36.58999 | 2.86569 | 45.47431 | 33.65598 | -0.06832 | 49.53832 | 43.9628 | 10.2385 | 31.9715 |
| 7/14/2025 | 4:00:00 AM | 33.71761 | 52.06751 | 18.3499 | 29.0301 | 36.58999 | 2.87238 | 45.46762 | 33.64871 | -0.0689 | 49.5389 | 43.9628 | 10.24519 | 31.96481 |
| 7/14/2025 | 5:00:00 AM | 33.70424 | 52.06394 | 18.3597 | 29.0203 | 36.60073 | 2.89649 | 45.44351 | 33.64144 | -0.0628 | 49.5328 | 43.95208 | 10.24784 | 31.96216 |
| 7/14/2025 | 6:00:00 AM | 33.71427 | 52.07824 | 18.36397 | 29.01603 | 36.58283 | 2.86856 | 45.47144 | 33.64508 | -0.06919 | 49.53919 | 43.95208 | 10.23781 | 31.97219 |
| 7/14/2025 | 7:00:00 AM | 33.7243 | 52.08897 | 18.36467 | 29.01533 | 36.58641 | 2.86211 | 45.47789 | 33.64871 | -0.07559 | 49.54559 | 43.95923 | 10.23493 | 31.97507 |
| 7/14/2025 | 8:00:00 AM | 33.73433 | 52.11758 | 18.38325 | 28.99675 | 36.58641 | 2.85208 | 45.48792 | 33.65962 | -0.07471 | 49.54471 | 43.96637 | 10.23204 | 31.97796 |
| 7/14/2025 | 9:00:00 AM | 33.72096 | 52.12473 | 18.40377 | 28.97623 | 36.57925 | 2.85829 | 45.48171 | 33.64508 | -0.07588 | 49.54588 | 43.9628 | 10.24184 | 31.96816 |
| 7/14/2025 | 10:00:00 AM | 33.71761 | 52.11758 | 18.39997 | 28.98003 | 36.57925 | 2.86164 | 45.47836 | 33.65235 | -0.06526 | 49.53526 | 43.95566 | 10.23805 | 31.97195 |
| 7/14/2025 | 11:00:00 AM | 33.71761 | 52.13188 | 18.41427 | 28.96573 | 36.58283 | 2.86522 | 45.47478 | 33.64871 | -0.0689 | 49.5389 | 43.96637 | 10.24876 | 31.96124 |
| 7/14/2025 | 12:00:00 PM | 33.71427 | 52.12115 | 18.40688 | 28.97312 | 36.58283 | 2.86856 | 45.47144 | 33.64508 | -0.06919 | 49.53919 | 43.95566 | 10.24139 | 31.96861 |
| 7/14/2025 | 1:00:00 PM | 33.69755 | 52.11043 | 18.41288 | 28.96712 | 36.58641 | 2.88886 | 45.45114 | 33.64144 | -0.05611 | 49.52611 | 43.94137 | 10.24382 | 31.96618 |
| 7/14/2025 | 2:00:00 PM | 33.69086 | 52.10327 | 18.41241 | 28.96759 | 36.57567 | 2.88481 | 45.45519 | 33.62691 | -0.06395 | 49.53395 | 43.9378 | 10.24694 | 31.96306 |
| 7/14/2025 | 3:00:00 PM | 33.68752 | 52.08897 | 18.40145 | 28.97855 | 36.57209 | 2.88457 | 45.45543 | 33.62691 | -0.06061 | 49.53061 | 43.93066 | 10.24314 | 31.96686 |
| 7/14/2025 | 4:00:00 PM | 33.68083 | 52.07109 | 18.39026 | 28.98974 | 36.57567 | 2.89484 | 45.44516 | 33.61964 | -0.06119 | 49.53119 | 43.92709 | 10.24626 | 31.96374 |
| 7/14/2025 | 5:00:00 PM | 33.66745 | 52.04963 | 18.38218 | 28.99782 | 36.57209 | 2.90464 | 45.43536 | 33.61237 | -0.05508 | 49.52508 | 43.91994 | 10.25249 | 31.95751 |
| 7/14/2025 | 6:00:00 PM | 33.6407 | 52.0103 | 18.3696 | 29.0104 | 36.56852 | 2.92782 | 45.41218 | 33.59783 | -0.04287 | 49.51287 | 43.90209 | 10.26139 | 31.94861 |
| 7/14/2025 | 7:00:00 PM | 33.63736 | 51.99599 | 18.35863 | 29.02137 | 36.56136 | 2.924 | 45.416 | 33.57966 | -0.0577 | 49.5277 | 43.90209 | 10.26473 | 31.94527 |
| 7/14/2025 | 8:00:00 PM | 33.65073 | 51.99599 | 18.34526 | 29.03474 | 36.55778 | 2.90705 | 45.43295 | 33.59057 | -0.06016 | 49.53016 | 43.90923 | 10.2585 | 31.9515 |
| 7/14/2025 | 9:00:00 PM | 33.6708 | 51.99599 | 18.32519 | 29.05481 | 36.5542 | 2.8834 | 45.4566 | 33.5942 | -0.0766 | 49.5466 | 43.90923 | 10.23843 | 31.97157 |
| 7/14/2025 | 10:00:00 PM | 33.67748 | 52.0103 | 18.33282 | 29.04718 | 36.54704 | 2.86956 | 45.47044 | 33.61237 | -0.06511 | 49.53511 | 43.9128 | 10.23532 | 31.97468 |
| 7/14/2025 | 11:00:00 PM | 33.66411 | 51.99957 | 18.33546 | 29.04454 | 36.55062 | 2.88651 | 45.45349 | 33.60147 | -0.06264 | 49.53264 | 43.90566 | 10.24155 | 31.96845 |
| 7/15/2025 | 12:00:00 AM | 33.6708 | 52.0103 | 18.3395 | 29.0405 | 36.53988 | 2.86908 | 45.47092 | 33.60874 | -0.06206 | 49.53206 | 43.90566 | 10.23486 | 31.97514 |
| 7/15/2025 | 1:00:00 AM | 33.6708 | 52.02102 | 18.35022 | 29.02978 | 36.53988 | 2.86908 | 45.47092 | 33.6051 | -0.0657 | 49.5357 | 43.90566 | 10.23486 | 31.97514 |
| 7/15/2025 | 2:00:00 AM | 33.6708 | 52.02102 | 18.35022 | 29.02978 | 36.5363 | 2.8655 | 45.4745 | 33.5942 | -0.0766 | 49.5466 | 43.89852 | 10.22772 | 31.98228 |
| 7/15/2025 | 3:00:00 AM | 33.67748 | 52.03175 | 18.35427 | 29.02573 | 36.5363 | 2.85882 | 45.48118 | 33.60147 | -0.07601 | 49.54601 | 43.90566 | 10.22818 | 31.98182 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/15/2025 | 4:00:00 AM | 33.67414 | 52.04963 | 18.37549 | 29.00451 | 36.5363 | 2.86216 | 45.47784 | 33.60874 | -0.0654 | 49.5354 | 43.90209 | 10.22795 | 31.98205 |
| 7/15/2025 | 5:00:00 AM | 33.67414 | 52.05679 | 18.38265 | 28.99735 | 36.52556 | 2.85142 | 45.48858 | 33.60874 | -0.0654 | 49.5354 | 43.90566 | 10.23152 | 31.97848 |
| 7/15/2025 | 6:00:00 AM | 33.68417 | 52.07109 | 18.38692 | 28.99308 | 36.52556 | 2.84139 | 45.49861 | 33.60874 | -0.07543 | 49.54543 | 43.9128 | 10.22863 | 31.98137 |
| 7/15/2025 | 7:00:00 AM | 33.69086 | 52.08897 | 18.39811 | 28.98189 | 36.5363 | 2.84544 | 45.49456 | 33.61601 | -0.07485 | 49.54485 | 43.91637 | 10.22551 | 31.98449 |
| 7/15/2025 | 8:00:00 AM | 33.69755 | 52.10327 | 18.40572 | 28.97428 | 36.52914 | 2.83159 | 45.50841 | 33.61964 | -0.07791 | 49.54791 | 43.91994 | 10.22239 | 31.98761 |
| 7/15/2025 | 9:00:00 AM | 33.6942 | 52.114 | 18.4198 | 28.9602 | 36.53988 | 2.84568 | 45.49432 | 33.62327 | -0.07093 | 49.54093 | 43.91637 | 10.22217 | 31.98783 |
| 7/15/2025 | 10:00:00 AM | 33.68752 | 52.10685 | 18.41933 | 28.96067 | 36.5363 | 2.84878 | 45.49122 | 33.61601 | -0.07151 | 49.54151 | 43.90566 | 10.21814 | 31.99186 |
| 7/15/2025 | 11:00:00 AM | 33.67748 | 52.10685 | 18.42937 | 28.95063 | 36.53272 | 2.85524 | 45.48476 | 33.6051 | -0.07238 | 49.54238 | 43.90209 | 10.22461 | 31.98539 |
| 7/15/2025 | 12:00:00 PM | 33.65408 | 52.09255 | 18.43847 | 28.94153 | 36.5363 | 2.88222 | 45.45778 | 33.60147 | -0.05261 | 49.52261 | 43.89494 | 10.24086 | 31.96914 |
| 7/15/2025 | 1:00:00 PM | 33.63736 | 52.07109 | 18.43373 | 28.94627 | 36.5363 | 2.89894 | 45.44106 | 33.5833 | -0.05406 | 49.52406 | 43.88066 | 10.2433 | 31.9667 |
| 7/15/2025 | 2:00:00 PM | 33.6106 | 52.04606 | 18.43546 | 28.94454 | 36.52914 | 2.91854 | 45.42146 | 33.56876 | -0.04184 | 49.51184 | 43.86637 | 10.25577 | 31.95423 |
| 7/15/2025 | 3:00:00 PM | 33.60057 | 52.00672 | 18.40615 | 28.97385 | 36.52198 | 2.92141 | 45.41859 | 33.55059 | -0.04998 | 49.51998 | 43.84495 | 10.24438 | 31.96562 |
| 7/15/2025 | 4:00:00 PM | 33.57048 | 51.97454 | 18.40406 | 28.97594 | 36.51482 | 2.94434 | 45.39566 | 33.53242 | -0.03806 | 49.50806 | 43.82709 | 10.25661 | 31.95339 |
| 7/15/2025 | 5:00:00 PM | 33.54707 | 51.94235 | 18.39528 | 28.98472 | 36.50408 | 2.95701 | 45.38299 | 33.51061 | -0.03646 | 49.50646 | 43.80923 | 10.26216 | 31.94784 |
| 7/15/2025 | 6:00:00 PM | 33.54038 | 51.91374 | 18.37336 | 29.00664 | 36.5005 | 2.96012 | 45.37988 | 33.49608 | -0.0443 | 49.5143 | 43.79852 | 10.25814 | 31.95186 |
| 7/15/2025 | 7:00:00 PM | 33.53035 | 51.89944 | 18.36909 | 29.01091 | 36.48977 | 2.95942 | 45.38058 | 33.48154 | -0.04881 | 49.51881 | 43.79138 | 10.26103 | 31.94897 |
| 7/15/2025 | 8:00:00 PM | 33.527 | 51.88156 | 18.35456 | 29.02544 | 36.48261 | 2.95561 | 45.38439 | 33.47791 | -0.04909 | 49.51909 | 43.78423 | 10.25723 | 31.95277 |
| 7/15/2025 | 9:00:00 PM | 33.52366 | 51.86725 | 18.34359 | 29.03641 | 36.47187 | 2.94821 | 45.39179 | 33.47427 | -0.04939 | 49.51939 | 43.78066 | 10.257 | 31.953 |
| 7/15/2025 | 10:00:00 PM | 33.52366 | 51.85295 | 18.32929 | 29.05071 | 36.46471 | 2.94105 | 45.39895 | 33.46701 | -0.05665 | 49.52665 | 43.77709 | 10.25343 | 31.95657 |
| 7/15/2025 | 11:00:00 PM | 33.53369 | 51.86368 | 18.32999 | 29.05001 | 36.45397 | 2.92028 | 45.41972 | 33.46701 | -0.06668 | 49.53668 | 43.78066 | 10.24697 | 31.96303 |
| 7/16/2025 | 12:00:00 AM | 33.53035 | 51.85295 | 18.3226 | 29.0574 | 36.45039 | 2.92004 | 45.41996 | 33.47064 | -0.05971 | 49.52971 | 43.77352 | 10.24317 | 31.96683 |
| 7/16/2025 | 1:00:00 AM | 33.53369 | 51.87441 | 18.34072 | 29.03928 | 36.44323 | 2.90954 | 45.43046 | 33.47791 | -0.05578 | 49.52578 | 43.76638 | 10.23269 | 31.97731 |
| 7/16/2025 | 2:00:00 AM | 33.52366 | 51.86725 | 18.34359 | 29.03641 | 36.43607 | 2.91241 | 45.42759 | 33.45974 | -0.06392 | 49.53392 | 43.75566 | 10.232 | 31.978 |
| 7/16/2025 | 3:00:00 AM | 33.53035 | 51.87441 | 18.34406 | 29.03594 | 36.42533 | 2.89498 | 45.44502 | 33.46337 | -0.06698 | 49.53698 | 43.75923 | 10.22888 | 31.98112 |
| 7/16/2025 | 4:00:00 AM | 33.51363 | 51.88871 | 18.37508 | 29.00492 | 36.42533 | 2.9117 | 45.4283 | 33.45974 | -0.05389 | 49.52389 | 43.75566 | 10.24203 | 31.96797 |
| 7/16/2025 | 5:00:00 AM | 33.51363 | 51.88871 | 18.37508 | 29.00492 | 36.42175 | 2.90812 | 45.43188 | 33.44883 | -0.0648 | 49.5348 | 43.74138 | 10.22775 | 31.98225 |
| 7/16/2025 | 6:00:00 AM | 33.51697 | 51.90301 | 18.38604 | 28.99396 | 36.41102 | 2.89405 | 45.44595 | 33.4561 | -0.06087 | 49.53087 | 43.74852 | 10.23155 | 31.97845 |
| 7/16/2025 | 7:00:00 AM | 33.51363 | 51.91017 | 18.39654 | 28.98346 | 36.40744 | 2.89381 | 45.44619 | 33.4452 | -0.06843 | 49.53843 | 43.75209 | 10.23846 | 31.97154 |
| 7/16/2025 | 8:00:00 AM | 33.50694 | 51.92089 | 18.41395 | 28.96605 | 36.40386 | 2.89692 | 45.44308 | 33.44883 | -0.05811 | 49.52811 | 43.74138 | 10.23444 | 31.97556 |
| 7/16/2025 | 9:00:00 AM | 33.51028 | 51.92447 | 18.41419 | 28.96581 | 36.40028 | 2.89 | 45.45 | 33.45247 | -0.05781 | 49.52781 | 43.73781 | 10.22753 | 31.98247 |
| 7/16/2025 | 10:00:00 AM | 33.49356 | 51.91732 | 18.42376 | 28.95624 | 36.3967 | 2.90314 | 45.43686 | 33.43793 | -0.05563 | 49.52563 | 43.73066 | 10.2371 | 31.9729 |
| 7/16/2025 | 11:00:00 AM | 33.46347 | 51.89944 | 18.43597 | 28.94403 | 36.38954 | 2.92607 | 45.41393 | 33.41976 | -0.04371 | 49.51371 | 43.70924 | 10.24577 | 31.96423 |
| 7/16/2025 | 12:00:00 PM | 33.45678 | 51.88871 | 18.43193 | 28.94807 | 36.38596 | 2.92918 | 45.41082 | 33.40522 | -0.05156 | 49.52156 | 43.69495 | 10.23817 | 31.97183 |
| 7/16/2025 | 1:00:00 PM | 33.44006 | 51.86368 | 18.42362 | 28.95638 | 36.37522 | 2.93516 | 45.40484 | 33.39796 | -0.0421 | 49.5121 | 43.68424 | 10.24418 | 31.96582 |
| 7/16/2025 | 2:00:00 PM | 33.41665 | 51.83507 | 18.41842 | 28.96158 | 36.37164 | 2.95499 | 45.38501 | 33.37979 | -0.03686 | 49.50686 | 43.66638 | 10.24973 | 31.96027 |
| 7/16/2025 | 3:00:00 PM | 33.39993 | 51.79573 | 18.3958 | 28.9842 | 36.3609 | 2.96097 | 45.37903 | 33.36161 | -0.03832 | 49.50832 | 43.64852 | 10.24859 | 31.96141 |
| 7/16/2025 | 4:00:00 PM | 33.37652 | 51.76712 | 18.3906 | 28.9894 | 36.35016 | 2.97364 | 45.36636 | 33.34708 | -0.02944 | 49.49944 | 43.63424 | 10.25772 | 31.95228 |
| 7/16/2025 | 5:00:00 PM | 33.35646 | 51.73852 | 18.38206 | 28.99794 | 36.343 | 2.98654 | 45.35346 | 33.32891 | -0.02755 | 49.49755 | 43.60924 | 10.25278 | 31.95722 |
| 7/16/2025 | 6:00:00 PM | 33.34308 | 51.70275 | 18.35967 | 29.02033 | 36.32869 | 2.98561 | 45.35439 | 33.3071 | -0.03598 | 49.50598 | 43.6021 | 10.25902 | 31.95098 |
| 7/16/2025 | 7:00:00 PM | 33.32971 | 51.67057 | 18.34086 | 29.03914 | 36.32153 | 2.99182 | 45.34818 | 33.2962 | -0.03351 | 49.50351 | 43.58424 | 10.25453 | 31.95547 |
| 7/16/2025 | 8:00:00 PM | 33.33305 | 51.5919 | 18.25885 | 29.12115 | 36.30363 | 2.97058 | 45.36942 | 33.28893 | -0.04412 | 49.51412 | 43.58781 | 10.25476 | 31.95524 |
| 7/16/2025 | 9:00:00 PM | 33.3364 | 51.5919 | 18.2555 | 29.1245 | 36.29647 | 2.96007 | 45.37993 | 33.2853 | -0.0511 | 49.5211 | 43.58424 | 10.24784 | 31.96216 |
| 7/16/2025 | 10:00:00 PM | 33.35312 | 51.5919 | 18.23878 | 29.14122 | 36.27857 | 2.92545 | 45.41455 | 33.2962 | -0.05692 | 49.52692 | 43.59138 | 10.23826 | 31.97174 |
| 7/16/2025 | 11:00:00 PM | 33.35646 | 51.59905 | 18.24259 | 29.13741 | 36.27499 | 2.91853 | 45.42147 | 33.29983 | -0.05663 | 49.52663 | 43.58424 | 10.22778 | 31.98222 |
| 7/17/2025 | 12:00:00 AM | 33.35312 | 51.59905 | 18.24593 | 29.13407 | 36.26425 | 2.91113 | 45.42887 | 33.28893 | -0.06419 | 49.53419 | 43.57353 | 10.22041 | 31.98959 |
| 7/17/2025 | 1:00:00 AM | 33.36649 | 51.61335 | 18.24686 | 29.13314 | 36.26425 | 2.89776 | 45.44224 | 33.29983 | -0.06666 | 49.53666 | 43.58424 | 10.21775 | 31.99225 |
| 7/17/2025 | 2:00:00 AM | 33.38656 | 51.64554 | 18.25898 | 29.12102 | 36.2571 | 2.87054 | 45.46946 | 33.31437 | -0.07219 | 49.54219 | 43.59853 | 10.21197 | 31.99803 |
| 7/17/2025 | 3:00:00 AM | 33.39993 | 51.67415 | 18.27422 | 29.10578 | 36.25352 | 2.85359 | 45.48641 | 33.33254 | -0.06739 | 49.53739 | 43.60567 | 10.20574 | 32.00426 |
| 7/17/2025 | 4:00:00 AM | 33.42334 | 51.6813 | 18.25796 | 29.12204 | 36.25352 | 2.83018 | 45.50982 | 33.34708 | -0.07626 | 49.54626 | 43.62352 | 10.20018 | 32.00982 |
| 7/17/2025 | 5:00:00 AM | 33.44675 | 51.71348 | 18.26673 | 29.11327 | 36.24636 | 2.79961 | 45.54039 | 33.35798 | -0.08877 | 49.55877 | 43.63424 | 10.18749 | 32.02251 |
| 7/17/2025 | 6:00:00 AM | 33.45344 | 51.73852 | 18.28508 | 29.09492 | 36.24994 | 2.7965 | 45.5435 | 33.36888 | -0.08456 | 49.55456 | 43.64138 | 10.18794 | 32.02206 |
| 7/17/2025 | 7:00:00 AM | 33.48019 | 51.77428 | 18.29409 | 29.08591 | 36.24994 | 2.76975 | 45.57025 | 33.38342 | -0.09677 | 49.56677 | 43.65567 | 10.17548 | 32.03452 |
| 7/17/2025 | 8:00:00 AM | 33.49691 | 51.80646 | 18.30955 | 29.07045 | 36.2571 | 2.76019 | 45.57981 | 33.40522 | -0.09169 | 49.56169 | 43.66995 | 10.17304 | 32.03696 |
| 7/17/2025 | 9:00:00 AM | 33.51028 | 51.83149 | 18.32121 | 29.05879 | 36.25352 | 2.74324 | 45.59676 | 33.41976 | -0.09052 | 49.56052 | 43.68781 | 10.17753 | 32.03247 |
| 7/17/2025 | 10:00:00 AM | 33.51363 | 51.83865 | 18.32502 | 29.05498 | 36.26425 | 2.75062 | 45.58938 | 33.43066 | -0.08297 | 49.55297 | 43.68781 | 10.17418 | 32.03582 |
| 7/17/2025 | 11:00:00 AM | 33.51363 | 51.85295 | 18.33932 | 29.04068 | 36.27499 | 2.76136 | 45.57864 | 33.4343 | -0.07933 | 49.54933 | 43.68424 | 10.17061 | 32.03939 |
| 7/17/2025 | 12:00:00 PM | 33.51028 | 51.85295 | 18.34267 | 29.03733 | 36.27857 | 2.76829 | 45.57171 | 33.4343 | -0.07598 | 49.54598 | 43.69138 | 10.1811 | 32.0289 |
| 7/17/2025 | 1:00:00 PM | 33.5036 | 51.84222 | 18.33862 | 29.04138 | 36.27857 | 2.77497 | 45.56503 | 33.43066 | -0.07294 | 49.54294 | 43.68781 | 10.18421 | 32.02579 |
| 7/17/2025 | 2:00:00 PM | 33.49691 | 51.83149 | 18.33458 | 29.04542 | 36.28931 | 2.7924 | 45.5476 | 33.4343 | -0.06261 | 49.53261 | 43.68424 | 10.18733 | 32.02267 |
| 7/17/2025 | 3:00:00 PM | 33.48353 | 51.81004 | 18.32651 | 29.05349 | 36.29289 | 2.80936 | 45.53064 | 33.4234 | -0.06013 | 49.53013 | 43.68067 | 10.19714 | 32.01286 |
| 7/17/2025 | 4:00:00 PM | 33.4735 | 51.79216 | 18.31866 | 29.06134 | 36.29289 | 2.81939 | 45.52061 | 33.41613 | -0.05737 | 49.52737 | 43.67352 | 10.20002 | 32.00998 |
| 7/17/2025 | 5:00:00 PM | 33.47016 | 51.75997 | 18.28981 | 29.09019 | 36.29289 | 2.82273 | 45.51727 | 33.40886 | -0.0613 | 49.5313 | 43.66638 | 10.19622 | 32.01378 |
| 7/17/2025 | 6:00:00 PM | 33.46012 | 51.73494 | 18.27482 | 29.10518 | 36.28931 | 2.82919 | 45.51081 | 33.40159 | -0.05853 | 49.52853 | 43.66281 | 10.20269 | 32.00731 |
| 7/17/2025 | 7:00:00 PM | 33.46012 | 51.72063 | 18.26051 | 29.11949 | 36.29647 | 2.83635 | 45.50365 | 33.40159 | -0.05853 | 49.52853 | 43.66638 | 10.20626 | 32.00374 |
| 7/17/2025 | 8:00:00 PM | 33.46681 | 51.72421 | 18.2574 | 29.1226 | 36.29647 | 2.82966 | 45.51034 | 33.40886 | -0.05795 | 49.52795 | 43.67352 | 10.20671 | 32.00329 |
| 7/17/2025 | 9:00:00 PM | 33.48019 | 51.72779 | 18.2476 | 29.1324 | 36.29289 | 2.8127 | 45.5273 | 33.40886 | -0.07133 | 49.54133 | 43.67709 | 10.1969 | 32.0131 |
| 7/17/2025 | 10:00:00 PM | 33.49691 | 51.73852 | 18.24161 | 29.13839 | 36.28931 | 2.7924 | 45.5476 | 33.41976 | -0.07715 | 49.54715 | 43.68781 | 10.1909 | 32.0191 |
| 7/17/2025 | 11:00:00 PM | 33.49356 | 51.73852 | 18.24496 | 29.13504 | 36.28573 | 2.79217 | 45.54783 | 33.4234 | -0.07016 | 49.54016 | 43.68781 | 10.19425 | 32.01575 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/18/2025 | 12:00:00 AM | 33.51028 | 51.74924 | 18.23896 | 29.14104 | 36.29289 | 2.78261 | 45.55739 | 33.42703 | -0.08325 | 49.55325 | 43.69138 | 10.1811 | 32.0289 |
| 7/18/2025 | 1:00:00 AM | 33.51028 | 51.7564 | 18.24612 | 29.13388 | 36.29289 | 2.78261 | 45.55739 | 33.43066 | -0.07962 | 49.54962 | 43.69138 | 10.1811 | 32.0289 |
| 7/18/2025 | 2:00:00 AM | 33.49691 | 51.7564 | 18.25949 | 29.12051 | 36.29647 | 2.79956 | 45.54044 | 33.43066 | -0.06625 | 49.53625 | 43.68781 | 10.1909 | 32.0191 |
| 7/18/2025 | 3:00:00 AM | 33.50025 | 51.785 | 18.28475 | 29.09525 | 36.30005 | 2.7998 | 45.5402 | 33.43793 | -0.06232 | 49.53232 | 43.69852 | 10.19827 | 32.01173 |
| 7/18/2025 | 4:00:00 AM | 33.51363 | 51.79216 | 18.27853 | 29.10147 | 36.30005 | 2.78642 | 45.55358 | 33.43793 | -0.0757 | 49.5457 | 43.69852 | 10.18489 | 32.02511 |
| 7/18/2025 | 5:00:00 AM | 33.51363 | 51.82076 | 18.30713 | 29.07287 | 36.30363 | 2.79 | 45.55 | 33.4452 | -0.06843 | 49.53843 | 43.70566 | 10.19203 | 32.01797 |
| 7/18/2025 | 6:00:00 AM | 33.52366 | 51.83865 | 18.31499 | 29.06501 | 36.31079 | 2.78713 | 45.55287 | 33.4452 | -0.07846 | 49.54846 | 43.71281 | 10.18915 | 32.02085 |
| 7/18/2025 | 7:00:00 AM | 33.53704 | 51.84937 | 18.31233 | 29.06767 | 36.31079 | 2.77375 | 45.56625 | 33.44883 | -0.08821 | 49.55821 | 43.71638 | 10.17934 | 32.03066 |
| 7/18/2025 | 8:00:00 AM | 33.53035 | 51.86725 | 18.3369 | 29.0431 | 36.31079 | 2.78044 | 45.55956 | 33.45974 | -0.07061 | 49.54061 | 43.71281 | 10.18246 | 32.02754 |
| 7/18/2025 | 9:00:00 AM | 33.53704 | 51.87441 | 18.33737 | 29.04263 | 36.31437 | 2.77733 | 45.56267 | 33.47064 | -0.0664 | 49.5364 | 43.72709 | 10.19005 | 32.01995 |
| 7/18/2025 | 10:00:00 AM | 33.54707 | 51.88156 | 18.33449 | 29.04551 | 36.32153 | 2.77446 | 45.56554 | 33.47427 | -0.0728 | 49.5428 | 43.73066 | 10.18359 | 32.02641 |
| 7/18/2025 | 11:00:00 AM | 33.5571 | 51.91374 | 18.35664 | 29.02336 | 36.32511 | 2.76801 | 45.57199 | 33.47791 | -0.07919 | 49.54919 | 43.74138 | 10.18428 | 32.02572 |
| 7/18/2025 | 12:00:00 PM | 33.58051 | 51.91374 | 18.33323 | 29.04677 | 36.32869 | 2.74818 | 45.59182 | 33.49244 | -0.08807 | 49.55807 | 43.75209 | 10.17158 | 32.03842 |
| 7/18/2025 | 1:00:00 PM | 33.60057 | 51.93877 | 18.3382 | 29.0418 | 36.33227 | 2.7317 | 45.6083 | 33.50698 | -0.09359 | 49.56359 | 43.76995 | 10.16938 | 32.04062 |
| 7/18/2025 | 2:00:00 PM | 33.60392 | 51.94235 | 18.33843 | 29.04157 | 36.33585 | 2.73193 | 45.60807 | 33.51788 | -0.08604 | 49.55604 | 43.76995 | 10.16603 | 32.04397 |
| 7/18/2025 | 3:00:00 PM | 33.59388 | 51.9352 | 18.34132 | 29.03868 | 36.33942 | 2.74554 | 45.59446 | 33.52152 | -0.07236 | 49.54236 | 43.76281 | 10.16893 | 32.04107 |
| 7/18/2025 | 4:00:00 PM | 33.59054 | 51.92447 | 18.33393 | 29.04607 | 36.34658 | 2.75604 | 45.58396 | 33.51425 | -0.07629 | 49.54629 | 43.75209 | 10.16155 | 32.04845 |
| 7/18/2025 | 5:00:00 PM | 33.59723 | 51.92447 | 18.32724 | 29.05276 | 36.35374 | 2.75651 | 45.58349 | 33.51788 | -0.07935 | 49.54935 | 43.76638 | 10.16915 | 32.04085 |
| 7/18/2025 | 6:00:00 PM | 33.5872 | 51.89229 | 18.30509 | 29.07491 | 36.3609 | 2.7737 | 45.5663 | 33.51425 | -0.07295 | 49.54295 | 43.76638 | 10.17918 | 32.03082 |
| 7/18/2025 | 7:00:00 PM | 33.58051 | 51.87798 | 18.29747 | 29.08253 | 36.36448 | 2.78397 | 45.55603 | 33.51425 | -0.06626 | 49.53626 | 43.76281 | 10.1823 | 32.0277 |
| 7/18/2025 | 8:00:00 PM | 33.58385 | 51.87798 | 18.29413 | 29.08587 | 36.36806 | 2.78421 | 45.55579 | 33.51061 | -0.07324 | 49.54324 | 43.76638 | 10.18253 | 32.02747 |
| 7/18/2025 | 9:00:00 PM | 33.59723 | 51.88513 | 18.2879 | 29.0921 | 36.37522 | 2.77799 | 45.56201 | 33.52515 | -0.07208 | 49.54208 | 43.78066 | 10.18343 | 32.02657 |
| 7/18/2025 | 10:00:00 PM | 33.61729 | 51.89586 | 18.27857 | 29.10143 | 36.37522 | 2.75793 | 45.58207 | 33.53242 | -0.08487 | 49.55487 | 43.79495 | 10.17766 | 32.03234 |
| 7/18/2025 | 11:00:00 PM | 33.63067 | 51.90659 | 18.27592 | 29.10408 | 36.37522 | 2.74455 | 45.59545 | 33.54696 | -0.08371 | 49.55371 | 43.80209 | 10.17142 | 32.03858 |
| 7/19/2025 | 12:00:00 AM | 33.64404 | 51.92447 | 18.28043 | 29.09957 | 36.3788 | 2.73476 | 45.60524 | 33.55786 | -0.08618 | 49.55618 | 43.80923 | 10.16519 | 32.04481 |
| 7/19/2025 | 1:00:00 AM | 33.64739 | 51.93877 | 18.29138 | 29.08862 | 36.39312 | 2.74573 | 45.59427 | 33.56513 | -0.08226 | 49.55226 | 43.80923 | 10.16184 | 32.04816 |
| 7/19/2025 | 2:00:00 AM | 33.66076 | 51.95308 | 18.29232 | 29.08768 | 36.38596 | 2.7252 | 45.6148 | 33.57603 | -0.08473 | 49.55473 | 43.81995 | 10.15919 | 32.05081 |
| 7/19/2025 | 3:00:00 AM | 33.6708 | 51.97096 | 18.30016 | 29.07984 | 36.3967 | 2.7259 | 45.6141 | 33.58693 | -0.08387 | 49.55387 | 43.83066 | 10.15986 | 32.05014 |
| 7/19/2025 | 4:00:00 AM | 33.6708 | 51.98526 | 18.31446 | 29.06554 | 36.40386 | 2.73306 | 45.60694 | 33.5942 | -0.0766 | 49.5466 | 43.83066 | 10.15986 | 32.05014 |
| 7/19/2025 | 5:00:00 AM | 33.67748 | 52.00314 | 18.32566 | 29.05434 | 36.41102 | 2.73354 | 45.60646 | 33.59783 | -0.07965 | 49.54965 | 43.84495 | 10.16747 | 32.04253 |
| 7/19/2025 | 6:00:00 AM | 33.6942 | 52.02818 | 18.33398 | 29.04602 | 36.42175 | 2.72755 | 45.61245 | 33.6051 | -0.0891 | 49.5591 | 43.85566 | 10.16146 | 32.04854 |
| 7/19/2025 | 7:00:00 AM | 33.70424 | 52.05321 | 18.34897 | 29.03103 | 36.42175 | 2.71751 | 45.62249 | 33.62327 | -0.08097 | 49.55097 | 43.86994 | 10.1657 | 32.0443 |
| 7/19/2025 | 8:00:00 AM | 33.71761 | 52.08182 | 18.36421 | 29.01579 | 36.43249 | 2.71488 | 45.62512 | 33.63418 | -0.08343 | 49.55343 | 43.86994 | 10.15233 | 32.05767 |
| 7/19/2025 | 9:00:00 AM | 33.73768 | 52.0997 | 18.36202 | 29.01798 | 36.43965 | 2.70197 | 45.63803 | 33.64508 | -0.0926 | 49.5626 | 43.89137 | 10.15369 | 32.05631 |
| 7/19/2025 | 10:00:00 AM | 33.73099 | 52.04963 | 18.31864 | 29.06136 | 36.45755 | 2.72656 | 45.61344 | 33.65235 | -0.07864 | 49.54864 | 43.8878 | 10.15681 | 32.05319 |
| 7/19/2025 | 11:00:00 AM | 33.7544 | 52.07824 | 18.32384 | 29.05616 | 36.45397 | 2.69957 | 45.64043 | 33.65598 | -0.09842 | 49.56842 | 43.90566 | 10.15126 | 32.05874 |
| 7/19/2025 | 12:00:00 PM | 33.7544 | 52.08897 | 18.33457 | 29.04543 | 36.46471 | 2.71031 | 45.62969 | 33.66688 | -0.08752 | 49.55752 | 43.90923 | 10.15483 | 32.05517 |
| 7/19/2025 | 1:00:00 PM | 33.74436 | 52.08897 | 18.34461 | 29.03539 | 36.47187 | 2.72751 | 45.61249 | 33.66688 | -0.07748 | 49.54748 | 43.90209 | 10.15773 | 32.05227 |
| 7/19/2025 | 2:00:00 PM | 33.73099 | 52.01387 | 18.28288 | 29.09712 | 36.47187 | 2.74088 | 45.59912 | 33.66325 | -0.06774 | 49.53774 | 43.89137 | 10.16038 | 32.04962 |
| 7/19/2025 | 3:00:00 PM | 33.73099 | 52.0246 | 18.29361 | 29.08639 | 36.48261 | 2.75162 | 45.58838 | 33.65598 | -0.07501 | 49.54501 | 43.89852 | 10.16753 | 32.04247 |
| 7/19/2025 | 4:00:00 PM | 33.71761 | 52.01387 | 18.29626 | 29.08374 | 36.49334 | 2.77573 | 45.56427 | 33.64871 | -0.0689 | 49.5389 | 43.89852 | 10.18091 | 32.02909 |
| 7/19/2025 | 5:00:00 PM | 33.6942 | 51.99242 | 18.29822 | 29.08178 | 36.49334 | 2.79914 | 45.54086 | 33.63054 | -0.06366 | 49.53366 | 43.88423 | 10.19003 | 32.01997 |
| 7/19/2025 | 6:00:00 PM | 33.68417 | 51.97811 | 18.29394 | 29.08606 | 36.49334 | 2.80917 | 45.53083 | 33.62327 | -0.0609 | 49.5309 | 43.87352 | 10.18935 | 32.02065 |
| 7/19/2025 | 7:00:00 PM | 33.67414 | 51.96023 | 18.28609 | 29.09391 | 36.5005 | 2.82636 | 45.51364 | 33.61601 | -0.05813 | 49.52813 | 43.86637 | 10.19223 | 32.01777 |
| 7/19/2025 | 8:00:00 PM | 33.67748 | 51.94235 | 18.26487 | 29.11513 | 36.49334 | 2.81586 | 45.52414 | 33.60874 | -0.06874 | 49.53874 | 43.86637 | 10.18889 | 32.02111 |
| 7/19/2025 | 9:00:00 PM | 33.67748 | 51.9352 | 18.25772 | 29.12228 | 36.49692 | 2.81944 | 45.52056 | 33.6051 | -0.07238 | 49.54238 | 43.86637 | 10.18889 | 32.02111 |
| 7/19/2025 | 10:00:00 PM | 33.68752 | 51.94235 | 18.25483 | 29.12517 | 36.49334 | 2.80582 | 45.53418 | 33.61601 | -0.07151 | 49.54151 | 43.86994 | 10.18242 | 32.02758 |
| 7/19/2025 | 11:00:00 PM | 33.68417 | 51.94593 | 18.26176 | 29.11824 | 36.48977 | 2.8056 | 45.5344 | 33.61601 | -0.06816 | 49.53816 | 43.87352 | 10.18935 | 32.02065 |
| 7/20/2025 | 12:00:00 AM | 33.69086 | 51.93877 | 18.24791 | 29.13209 | 36.48977 | 2.79891 | 45.54109 | 33.61237 | -0.07849 | 49.54849 | 43.85566 | 10.1648 | 32.0452 |
| 7/20/2025 | 1:00:00 AM | 33.68417 | 51.93877 | 18.2546 | 29.1254 | 36.49334 | 2.80917 | 45.53083 | 33.60874 | -0.07543 | 49.54543 | 43.85923 | 10.17506 | 32.03494 |
| 7/20/2025 | 2:00:00 AM | 33.67414 | 51.94593 | 18.27179 | 29.10821 | 36.48977 | 2.81563 | 45.52437 | 33.60874 | -0.0654 | 49.5354 | 43.85209 | 10.17795 | 32.03205 |
| 7/20/2025 | 3:00:00 AM | 33.66411 | 51.94235 | 18.27824 | 29.10176 | 36.49334 | 2.82923 | 45.51077 | 33.59783 | -0.06628 | 49.53628 | 43.84852 | 10.18441 | 32.02559 |
| 7/20/2025 | 4:00:00 AM | 33.65408 | 51.93877 | 18.28469 | 29.09531 | 36.49692 | 2.84284 | 45.49716 | 33.59057 | -0.06351 | 49.53351 | 43.84137 | 10.18729 | 32.02271 |
| 7/20/2025 | 5:00:00 AM | 33.66076 | 51.95666 | 18.2959 | 29.0841 | 36.48977 | 2.82901 | 45.51099 | 33.5942 | -0.06656 | 49.53656 | 43.84495 | 10.18419 | 32.02581 |
| 7/20/2025 | 6:00:00 AM | 33.66076 | 51.96381 | 18.30305 | 29.07695 | 36.48977 | 2.82901 | 45.51099 | 33.5942 | -0.06656 | 49.53656 | 43.84852 | 10.18776 | 32.02224 |
| 7/20/2025 | 7:00:00 AM | 33.66076 | 51.97811 | 18.31735 | 29.06265 | 36.48977 | 2.82901 | 45.51099 | 33.59057 | -0.07019 | 49.54019 | 43.84852 | 10.18776 | 32.02224 |
| 7/20/2025 | 8:00:00 AM | 33.66745 | 51.97811 | 18.31066 | 29.06934 | 36.48261 | 2.81516 | 45.52484 | 33.58693 | -0.08052 | 49.55052 | 43.85209 | 10.18464 | 32.02536 |
| 7/20/2025 | 9:00:00 AM | 33.65408 | 51.98884 | 18.33476 | 29.04524 | 36.48619 | 2.83211 | 45.50789 | 33.5942 | -0.05988 | 49.52988 | 43.84137 | 10.18729 | 32.02271 |
| 7/20/2025 | 10:00:00 AM | 33.6407 | 51.97811 | 18.33741 | 29.04259 | 36.48261 | 2.84191 | 45.49809 | 33.5833 | -0.0574 | 49.5274 | 43.81995 | 10.17925 | 32.03075 |
| 7/20/2025 | 11:00:00 AM | 33.6407 | 51.98884 | 18.34814 | 29.03186 | 36.47545 | 2.83475 | 45.50525 | 33.5724 | -0.0683 | 49.5383 | 43.83066 | 10.18996 | 32.02004 |
| 7/20/2025 | 12:00:00 PM | 33.62398 | 51.97096 | 18.34698 | 29.03302 | 36.47545 | 2.85147 | 45.48853 | 33.56149 | -0.06249 | 49.53249 | 43.8128 | 10.18882 | 32.02118 |
| 7/20/2025 | 1:00:00 PM | 33.59723 | 51.96381 | 18.36658 | 29.01342 | 36.47187 | 2.87464 | 45.46536 | 33.54696 | -0.05027 | 49.52027 | 43.79495 | 10.19772 | 32.01228 |
| 7/20/2025 | 2:00:00 PM | 33.57716 | 51.94235 | 18.36519 | 29.01481 | 36.46829 | 2.89113 | 45.44887 | 33.53242 | -0.04474 | 49.51474 | 43.77709 | 10.19993 | 32.01007 |
| 7/20/2025 | 3:00:00 PM | 33.57382 | 51.92089 | 18.34707 | 29.03293 | 36.45755 | 2.88373 | 45.45627 | 33.51788 | -0.05594 | 49.52594 | 43.77709 | 10.20327 | 32.00673 |
| 7/20/2025 | 4:00:00 PM | 33.55376 | 51.90659 | 18.35283 | 29.02717 | 36.45397 | 2.90021 | 45.43979 | 33.50698 | -0.04678 | 49.51678 | 43.75923 | 10.20547 | 32.00453 |
| 7/20/2025 | 5:00:00 PM | 33.54038 | 51.89944 | 18.35906 | 29.02094 | 36.44681 | 2.90643 | 45.43357 | 33.49244 | -0.04794 | 49.51794 | 43.74495 | 10.20457 | 32.00543 |
| 7/20/2025 | 6:00:00 PM | 33.53704 | 51.87798 | 18.34094 | 29.03906 | 36.43965 | 2.90261 | 45.43739 | 33.48154 | -0.0555 | 49.5255 | 43.74495 | 10.20791 | 32.00209 |
| 7/20/2025 | 7:00:00 PM | 33.53369 | 51.86368 | 18.32999 | 29.05001 | 36.43965 | 2.90596 | 45.43404 | 33.48154 | -0.05215 | 49.52215 | 43.73423 | 10.20054 | 32.00946 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/20/2025 | 8:00:00 PM | 33.53704 | 51.85295 | 18.31591 | 29.06409 | 36.42175 | 2.88471 | 45.45529 | 33.47791 | -0.05913 | 49.52913 | 43.73066 | 10.19362 | 32.01638 |
| 7/20/2025 | 9:00:00 PM | 33.54707 | 51.85295 | 18.30588 | 29.07412 | 36.4146 | 2.86753 | 45.47247 | 33.47791 | -0.06916 | 49.53916 | 43.73423 | 10.18716 | 32.02284 |
| 7/20/2025 | 10:00:00 PM | 33.53704 | 51.83865 | 18.30161 | 29.07839 | 36.40744 | 2.8704 | 45.4696 | 33.47791 | -0.05913 | 49.52913 | 43.71995 | 10.18291 | 32.02709 |
| 7/20/2025 | 11:00:00 PM | 33.53035 | 51.83149 | 18.30114 | 29.07886 | 36.40744 | 2.87709 | 45.46291 | 33.47064 | -0.05971 | 49.52971 | 43.71638 | 10.18603 | 32.02397 |
| 7/21/2025 | 12:00:00 AM | 33.53704 | 51.83507 | 18.29803 | 29.08197 | 36.3967 | 2.85966 | 45.48034 | 33.47791 | -0.05913 | 49.52913 | 43.71638 | 10.17934 | 32.03066 |
| 7/21/2025 | 1:00:00 AM | 33.53369 | 51.83507 | 18.30138 | 29.07862 | 36.39312 | 2.85943 | 45.48057 | 33.46701 | -0.06668 | 49.53668 | 43.71281 | 10.17912 | 32.03088 |
| 7/21/2025 | 2:00:00 AM | 33.53704 | 51.87083 | 18.33379 | 29.04621 | 36.38238 | 2.84534 | 45.49466 | 33.47064 | -0.0664 | 49.5364 | 43.71281 | 10.17577 | 32.03423 |
| 7/21/2025 | 3:00:00 AM | 33.53704 | 51.87441 | 18.33737 | 29.04263 | 36.3788 | 2.84176 | 45.49824 | 33.46701 | -0.07003 | 49.54003 | 43.71281 | 10.17577 | 32.03423 |
| 7/21/2025 | 4:00:00 AM | 33.53035 | 51.80646 | 18.27611 | 29.10389 | 36.3788 | 2.84845 | 45.49155 | 33.46701 | -0.06334 | 49.53334 | 43.71281 | 10.18246 | 32.02754 |
| 7/21/2025 | 5:00:00 AM | 33.53704 | 51.81719 | 18.28015 | 29.09985 | 36.38238 | 2.84534 | 45.49466 | 33.47427 | -0.06277 | 49.53277 | 43.70924 | 10.1722 | 32.0378 |
| 7/21/2025 | 6:00:00 AM | 33.54372 | 51.82792 | 18.2842 | 29.0958 | 36.37164 | 2.82792 | 45.51208 | 33.47791 | -0.06581 | 49.53581 | 43.71638 | 10.17266 | 32.03734 |
| 7/21/2025 | 7:00:00 AM | 33.56379 | 51.8458 | 18.28201 | 29.09799 | 36.37164 | 2.80785 | 45.53215 | 33.48154 | -0.08225 | 49.55225 | 43.73066 | 10.16687 | 32.04313 |
| 7/21/2025 | 8:00:00 AM | 33.56713 | 51.86368 | 18.29655 | 29.08345 | 36.37164 | 2.80451 | 45.53549 | 33.48518 | -0.08195 | 49.55195 | 43.73066 | 10.16353 | 32.04647 |
| 7/21/2025 | 9:00:00 AM | 33.5571 | 51.87083 | 18.31373 | 29.06627 | 36.37164 | 2.81454 | 45.52546 | 33.48881 | -0.06829 | 49.53829 | 43.72709 | 10.16999 | 32.04001 |
| 7/21/2025 | 10:00:00 AM | 33.54707 | 51.86725 | 18.32018 | 29.05982 | 36.36806 | 2.82099 | 45.51901 | 33.47791 | -0.06916 | 49.53916 | 43.71638 | 10.16931 | 32.04069 |
| 7/21/2025 | 11:00:00 AM | 33.53369 | 51.87083 | 18.33714 | 29.04286 | 36.3609 | 2.82721 | 45.51279 | 33.47791 | -0.05578 | 49.52578 | 43.70924 | 10.17555 | 32.03445 |
| 7/21/2025 | 12:00:00 PM | 33.52366 | 51.8601 | 18.33644 | 29.04356 | 36.3609 | 2.83724 | 45.50276 | 33.46337 | -0.06029 | 49.53029 | 43.69852 | 10.17486 | 32.03514 |
| 7/21/2025 | 1:00:00 PM | 33.51028 | 51.85295 | 18.34267 | 29.03733 | 36.36448 | 2.8542 | 45.4858 | 33.45247 | -0.05781 | 49.52781 | 43.68781 | 10.17753 | 32.03247 |
| 7/21/2025 | 2:00:00 PM | 33.50025 | 51.84222 | 18.34197 | 29.03803 | 36.35732 | 2.85707 | 45.48293 | 33.44157 | -0.05868 | 49.52868 | 43.68781 | 10.18756 | 32.02244 |
| 7/21/2025 | 3:00:00 PM | 33.48353 | 51.82434 | 18.34081 | 29.03919 | 36.35374 | 2.87021 | 45.46979 | 33.4343 | -0.04923 | 49.51923 | 43.67709 | 10.19356 | 32.01644 |
| 7/21/2025 | 4:00:00 PM | 33.46681 | 51.79931 | 18.3325 | 29.0475 | 36.34658 | 2.87977 | 45.46023 | 33.41613 | -0.05068 | 49.52068 | 43.66281 | 10.196 | 32.014 |
| 7/21/2025 | 5:00:00 PM | 33.47684 | 51.79573 | 18.31889 | 29.06111 | 36.34658 | 2.86974 | 45.47026 | 33.41976 | -0.05708 | 49.52708 | 43.65924 | 10.1824 | 32.0276 |
| 7/21/2025 | 6:00:00 PM | 33.48688 | 51.78858 | 18.3017 | 29.0783 | 36.33585 | 2.84897 | 45.49103 | 33.4234 | -0.06348 | 49.53348 | 43.65924 | 10.17236 | 32.03764 |
| 7/21/2025 | 7:00:00 PM | 33.50025 | 51.79216 | 18.29191 | 29.08809 | 36.32511 | 2.82486 | 45.51514 | 33.43066 | -0.06959 | 49.53959 | 43.67352 | 10.17327 | 32.03673 |
| 7/21/2025 | 8:00:00 PM | 33.51697 | 51.78858 | 18.27161 | 29.10839 | 36.33227 | 2.8153 | 45.5247 | 33.4452 | -0.07177 | 49.54177 | 43.67352 | 10.15655 | 32.05345 |
| 7/21/2025 | 9:00:00 PM | 33.51028 | 51.78858 | 18.2783 | 29.1017 | 36.32511 | 2.81483 | 45.52517 | 33.4452 | -0.06508 | 49.53508 | 43.66638 | 10.1561 | 32.0539 |
| 7/21/2025 | 10:00:00 PM | 33.53704 | 51.79573 | 18.25869 | 29.12131 | 36.32153 | 2.78449 | 45.55551 | 33.44883 | -0.08821 | 49.55821 | 43.68781 | 10.15077 | 32.05923 |
| 7/21/2025 | 11:00:00 PM | 33.53369 | 51.79216 | 18.25847 | 29.12153 | 36.32153 | 2.78784 | 45.55216 | 33.45974 | -0.07395 | 49.54395 | 43.68781 | 10.15412 | 32.05588 |
| 7/22/2025 | 12:00:00 AM | 33.54038 | 51.81004 | 18.26966 | 29.11034 | 36.33227 | 2.79189 | 45.54811 | 33.46701 | -0.07337 | 49.54337 | 43.68424 | 10.14386 | 32.06614 |
| 7/22/2025 | 1:00:00 AM | 33.56044 | 51.82792 | 18.26748 | 29.11252 | 36.32511 | 2.76467 | 45.57533 | 33.48518 | -0.07526 | 49.54526 | 43.70924 | 10.1488 | 32.0612 |
| 7/22/2025 | 2:00:00 AM | 33.56044 | 51.83149 | 18.27105 | 29.10895 | 36.32153 | 2.76109 | 45.57891 | 33.48881 | -0.07163 | 49.54163 | 43.70209 | 10.14165 | 32.06835 |
| 7/22/2025 | 3:00:00 AM | 33.56379 | 51.85295 | 18.28916 | 29.09084 | 36.32869 | 2.7649 | 45.5751 | 33.48154 | -0.08225 | 49.55225 | 43.70924 | 10.14545 | 32.06455 |
| 7/22/2025 | 4:00:00 AM | 33.56713 | 51.87441 | 18.30728 | 29.07272 | 36.32511 | 2.75798 | 45.58202 | 33.49244 | -0.07469 | 49.54469 | 43.71638 | 10.14925 | 32.06075 |
| 7/22/2025 | 5:00:00 AM | 33.57716 | 51.89229 | 18.31513 | 29.06487 | 36.32511 | 2.74795 | 45.59205 | 33.49971 | -0.07745 | 49.54745 | 43.71995 | 10.14279 | 32.06721 |
| 7/22/2025 | 6:00:00 AM | 33.59054 | 51.91374 | 18.3232 | 29.0568 | 36.33585 | 2.74531 | 45.59469 | 33.51061 | -0.07993 | 49.54993 | 43.73423 | 10.14369 | 32.06631 |
| 7/22/2025 | 7:00:00 AM | 33.60057 | 51.92447 | 18.3239 | 29.0561 | 36.33585 | 2.73528 | 45.60472 | 33.52515 | -0.07542 | 49.54542 | 43.74138 | 10.14081 | 32.06919 |
| 7/22/2025 | 8:00:00 AM | 33.61729 | 51.9495 | 18.33221 | 29.04779 | 36.33942 | 2.72213 | 45.61787 | 33.53605 | -0.08124 | 49.55124 | 43.75566 | 10.13837 | 32.07163 |
| 7/22/2025 | 9:00:00 AM | 33.62064 | 51.96023 | 18.33959 | 29.04041 | 36.343 | 2.72236 | 45.61764 | 33.53605 | -0.08459 | 49.55459 | 43.76281 | 10.14217 | 32.06783 |
| 7/22/2025 | 10:00:00 AM | 33.62398 | 51.96738 | 18.3434 | 29.0366 | 36.3609 | 2.73692 | 45.60308 | 33.54332 | -0.08066 | 49.55066 | 43.75566 | 10.13168 | 32.07832 |
| 7/22/2025 | 11:00:00 AM | 33.62398 | 51.98169 | 18.35771 | 29.02229 | 36.36448 | 2.7405 | 45.5995 | 33.54696 | -0.07702 | 49.54702 | 43.76638 | 10.1424 | 32.0676 |
| 7/22/2025 | 12:00:00 PM | 33.62732 | 51.99599 | 18.36867 | 29.01133 | 36.3609 | 2.73358 | 45.60642 | 33.55422 | -0.0731 | 49.5431 | 43.76995 | 10.14263 | 32.06737 |
| 7/22/2025 | 1:00:00 PM | 33.60726 | 51.98169 | 18.37443 | 29.00557 | 36.36806 | 2.7608 | 45.5792 | 33.54332 | -0.06394 | 49.53394 | 43.75923 | 10.15197 | 32.05803 |
| 7/22/2025 | 2:00:00 PM | 33.59054 | 51.97454 | 18.384 | 28.996 | 36.36806 | 2.77752 | 45.56248 | 33.52879 | -0.06175 | 49.53175 | 43.74495 | 10.15441 | 32.05559 |
| 7/22/2025 | 3:00:00 PM | 33.57716 | 51.96738 | 18.39022 | 28.98978 | 36.37522 | 2.79806 | 45.54194 | 33.51788 | -0.05928 | 49.52928 | 43.74495 | 10.16779 | 32.04221 |
| 7/22/2025 | 4:00:00 PM | 33.55041 | 51.94593 | 18.39552 | 28.98448 | 36.36806 | 2.81765 | 45.52235 | 33.49971 | -0.0507 | 49.5207 | 43.73066 | 10.18025 | 32.02975 |
| 7/22/2025 | 5:00:00 PM | 33.54372 | 51.93162 | 18.3879 | 28.9921 | 36.37522 | 2.8315 | 45.5085 | 33.49244 | -0.05128 | 49.52128 | 43.72709 | 10.18337 | 32.02663 |
| 7/22/2025 | 6:00:00 PM | 33.54372 | 51.88871 | 18.34499 | 29.03501 | 36.36448 | 2.82076 | 45.51924 | 33.48518 | -0.05854 | 49.52854 | 43.71638 | 10.17266 | 32.03734 |
| 7/22/2025 | 7:00:00 PM | 33.54372 | 51.89229 | 18.34857 | 29.03143 | 36.36806 | 2.82434 | 45.51566 | 33.48518 | -0.05854 | 49.52854 | 43.71638 | 10.17266 | 32.03734 |
| 7/22/2025 | 8:00:00 PM | 33.55041 | 51.83149 | 18.28108 | 29.09892 | 36.36806 | 2.81765 | 45.52235 | 33.48881 | -0.0616 | 49.5316 | 43.71638 | 10.16597 | 32.04403 |
| 7/22/2025 | 9:00:00 PM | 33.5571 | 51.83149 | 18.27439 | 29.10561 | 36.36448 | 2.80738 | 45.53262 | 33.48881 | -0.06829 | 49.53829 | 43.72352 | 10.16642 | 32.04358 |
| 7/22/2025 | 10:00:00 PM | 33.57382 | 51.83865 | 18.26483 | 29.11517 | 36.3609 | 2.78708 | 45.55292 | 33.49608 | -0.07774 | 49.54774 | 43.72352 | 10.1497 | 32.0603 |
| 7/22/2025 | 11:00:00 PM | 33.57716 | 51.83865 | 18.26149 | 29.11851 | 36.35374 | 2.77658 | 45.56342 | 33.50698 | -0.07018 | 49.54018 | 43.71995 | 10.14279 | 32.06721 |
| 7/23/2025 | 12:00:00 AM | 33.58385 | 51.8458 | 18.26195 | 29.11805 | 36.3609 | 2.77705 | 45.56295 | 33.50698 | -0.07687 | 49.54687 | 43.73423 | 10.15038 | 32.05962 |
| 7/23/2025 | 1:00:00 AM | 33.5872 | 51.85653 | 18.26933 | 29.11067 | 36.35374 | 2.76654 | 45.57346 | 33.51061 | -0.07659 | 49.54659 | 43.73066 | 10.14346 | 32.06654 |
| 7/23/2025 | 2:00:00 AM | 33.60057 | 51.87441 | 18.27384 | 29.10616 | 36.35732 | 2.75675 | 45.58325 | 33.51788 | -0.08269 | 49.55269 | 43.73781 | 10.13724 | 32.07276 |
| 7/23/2025 | 3:00:00 AM | 33.60392 | 51.89229 | 18.28837 | 29.09163 | 36.36806 | 2.76414 | 45.57586 | 33.52515 | -0.07877 | 49.54877 | 43.74138 | 10.13746 | 32.07254 |
| 7/23/2025 | 4:00:00 AM | 33.60392 | 51.89586 | 18.29194 | 29.08806 | 36.3609 | 2.75698 | 45.58302 | 33.52152 | -0.0824 | 49.5524 | 43.74138 | 10.13746 | 32.07254 |
| 7/23/2025 | 5:00:00 AM | 33.60392 | 51.90659 | 18.30267 | 29.07733 | 36.36448 | 2.76056 | 45.57944 | 33.52879 | -0.07513 | 49.54513 | 43.74495 | 10.14103 | 32.06897 |
| 7/23/2025 | 6:00:00 AM | 33.61395 | 51.92805 | 18.3141 | 29.0659 | 36.36448 | 2.75053 | 45.58947 | 33.53242 | -0.08153 | 49.55153 | 43.75923 | 10.14528 | 32.06472 |
| 7/23/2025 | 7:00:00 AM | 33.63067 | 51.96023 | 18.32956 | 29.05044 | 36.36448 | 2.73381 | 45.60619 | 33.53969 | -0.09098 | 49.56098 | 43.76995 | 10.13928 | 32.07072 |
| 7/23/2025 | 8:00:00 AM | 33.63736 | 51.96738 | 18.33002 | 29.04998 | 36.36806 | 2.7307 | 45.6093 | 33.55422 | -0.08314 | 49.55314 | 43.77352 | 10.13616 | 32.07384 |
| 7/23/2025 | 9:00:00 AM | 33.6407 | 51.98526 | 18.34456 | 29.03544 | 36.37522 | 2.73452 | 45.60548 | 33.55786 | -0.08284 | 49.55284 | 43.77709 | 10.13639 | 32.07361 |
| 7/23/2025 | 10:00:00 AM | 33.6407 | 51.99242 | 18.35172 | 29.02828 | 36.3788 | 2.7381 | 45.6019 | 33.55422 | -0.08648 | 49.55648 | 43.76995 | 10.12925 | 32.08075 |
| 7/23/2025 | 11:00:00 AM | 33.62732 | 51.98884 | 18.36152 | 29.01848 | 36.38238 | 2.75506 | 45.58494 | 33.55786 | -0.06946 | 49.53946 | 43.76995 | 10.14263 | 32.06737 |
| 7/23/2025 | 12:00:00 PM | 33.62398 | 51.98526 | 18.36128 | 29.01872 | 36.38238 | 2.7584 | 45.5816 | 33.55059 | -0.07339 | 49.54339 | 43.76638 | 10.1424 | 32.0676 |
| 7/23/2025 | 1:00:00 PM | 33.6106 | 51.97811 | 18.36751 | 29.01249 | 36.38238 | 2.77178 | 45.56822 | 33.54696 | -0.06364 | 49.53364 | 43.76638 | 10.15578 | 32.05422 |
| 7/23/2025 | 2:00:00 PM | 33.61729 | 51.97811 | 18.36082 | 29.01918 | 36.38596 | 2.76867 | 45.57133 | 33.54332 | -0.07397 | 49.54397 | 43.76281 | 10.14552 | 32.06448 |
| 7/23/2025 | 3:00:00 PM | 33.60392 | 51.92089 | 18.31697 | 29.06303 | 36.38596 | 2.78204 | 45.55796 | 33.53605 | -0.06787 | 49.53787 | 43.75209 | 10.14817 | 32.06183 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/23/2025 | 4:00:00 PM | 33.59054 | 51.90301 | 18.31247 | 29.06753 | 36.39312 | 2.80258 | 45.53742 | 33.53242 | -0.05812 | 49.52812 | 43.74495 | 10.15441 | 32.05559 |
| 7/23/2025 | 5:00:00 PM | 33.59054 | 51.89586 | 18.30532 | 29.07468 | 36.39312 | 2.80258 | 45.53742 | 33.52879 | -0.06175 | 49.53175 | 43.74138 | 10.15084 | 32.05916 |
| 7/23/2025 | 6:00:00 PM | 33.5872 | 51.87441 | 18.28721 | 29.09279 | 36.38596 | 2.79876 | 45.54124 | 33.52152 | -0.06568 | 49.53568 | 43.73423 | 10.14703 | 32.06297 |
| 7/23/2025 | 7:00:00 PM | 33.5872 | 51.86368 | 18.27648 | 29.10352 | 36.38596 | 2.79876 | 45.54124 | 33.52515 | -0.06205 | 49.53205 | 43.73423 | 10.14703 | 32.06297 |
| 7/23/2025 | 8:00:00 PM | 33.60057 | 51.8601 | 18.25953 | 29.12047 | 36.38238 | 2.78181 | 45.55819 | 33.52515 | -0.07542 | 49.54542 | 43.74138 | 10.14081 | 32.06919 |
| 7/23/2025 | 9:00:00 PM | 33.60057 | 51.85295 | 18.25238 | 29.12762 | 36.3788 | 2.77823 | 45.56177 | 33.52879 | -0.07178 | 49.54178 | 43.74138 | 10.14081 | 32.06919 |
| 7/23/2025 | 10:00:00 PM | 33.6106 | 51.86368 | 18.25308 | 29.12692 | 36.37522 | 2.76462 | 45.57538 | 33.54332 | -0.06728 | 49.53728 | 43.74852 | 10.13792 | 32.07208 |
| 7/23/2025 | 11:00:00 PM | 33.62064 | 51.85653 | 18.23589 | 29.14411 | 36.38596 | 2.76532 | 45.57468 | 33.53605 | -0.08459 | 49.55459 | 43.74495 | 10.12431 | 32.08569 |
| 7/24/2025 | 12:00:00 AM | 33.62064 | 51.86725 | 18.24661 | 29.13339 | 36.38238 | 2.76174 | 45.57826 | 33.54332 | -0.07732 | 49.54732 | 43.75209 | 10.13145 | 32.07855 |
| 7/24/2025 | 1:00:00 AM | 33.63401 | 51.88513 | 18.25112 | 29.12888 | 36.3788 | 2.74479 | 45.59521 | 33.55422 | -0.07979 | 49.54979 | 43.75923 | 10.12522 | 32.08478 |
| 7/24/2025 | 2:00:00 AM | 33.63067 | 51.89229 | 18.26162 | 29.11838 | 36.38238 | 2.75171 | 45.58829 | 33.55422 | -0.07645 | 49.54645 | 43.75923 | 10.12856 | 32.08144 |
| 7/24/2025 | 3:00:00 AM | 33.63736 | 51.91017 | 18.27281 | 29.10719 | 36.3967 | 2.75934 | 45.58066 | 33.56513 | -0.07223 | 49.54223 | 43.76638 | 10.12902 | 32.08098 |
| 7/24/2025 | 4:00:00 AM | 33.65408 | 51.9352 | 18.28112 | 29.09888 | 36.39312 | 2.73904 | 45.60096 | 33.57603 | -0.07805 | 49.54805 | 43.77709 | 10.12301 | 32.08699 |
| 7/24/2025 | 5:00:00 AM | 33.65073 | 51.94235 | 18.29162 | 29.08838 | 36.38596 | 2.73523 | 45.60477 | 33.57603 | -0.0747 | 49.5447 | 43.77352 | 10.12279 | 32.08721 |
| 7/24/2025 | 6:00:00 AM | 33.65408 | 51.95666 | 18.30258 | 29.07742 | 36.3967 | 2.74262 | 45.59738 | 33.56876 | -0.08532 | 49.55532 | 43.78423 | 10.13015 | 32.07985 |
| 7/24/2025 | 7:00:00 AM | 33.66411 | 51.97811 | 18.314 | 29.066 | 36.3967 | 2.73259 | 45.60741 | 33.5833 | -0.08081 | 49.55081 | 43.7878 | 10.12369 | 32.08631 |
| 7/24/2025 | 8:00:00 AM | 33.67414 | 51.99599 | 18.32185 | 29.05815 | 36.3967 | 2.72256 | 45.61744 | 33.59057 | -0.08357 | 49.55357 | 43.79138 | 10.11724 | 32.09276 |
| 7/24/2025 | 9:00:00 AM | 33.68417 | 52.02102 | 18.33685 | 29.04315 | 36.40386 | 2.71969 | 45.62031 | 33.5942 | -0.08997 | 49.55997 | 43.80923 | 10.12506 | 32.08494 |
| 7/24/2025 | 10:00:00 AM | 33.69086 | 52.0246 | 18.33374 | 29.04626 | 36.40028 | 2.70942 | 45.63058 | 33.60874 | -0.08212 | 49.55212 | 43.80209 | 10.11123 | 32.09877 |
| 7/24/2025 | 11:00:00 AM | 33.68083 | 52.01745 | 18.33662 | 29.04338 | 36.4146 | 2.73377 | 45.60623 | 33.60147 | -0.07936 | 49.54936 | 43.79495 | 10.11412 | 32.09588 |
| 7/24/2025 | 12:00:00 PM | 33.67414 | 52.0103 | 18.33616 | 29.04384 | 36.42175 | 2.74761 | 45.59239 | 33.59783 | -0.07631 | 49.54631 | 43.79138 | 10.11724 | 32.09276 |
| 7/24/2025 | 1:00:00 PM | 33.67414 | 52.00314 | 18.329 | 29.051 | 36.4146 | 2.74046 | 45.59954 | 33.59783 | -0.07631 | 49.54631 | 43.79495 | 10.12081 | 32.08919 |
| 7/24/2025 | 2:00:00 PM | 33.65073 | 51.97811 | 18.32738 | 29.05262 | 36.4146 | 2.76387 | 45.57613 | 33.58693 | -0.0638 | 49.5338 | 43.78066 | 10.12993 | 32.08007 |
| 7/24/2025 | 3:00:00 PM | 33.63067 | 51.96023 | 18.32956 | 29.05044 | 36.4146 | 2.78393 | 45.55607 | 33.57603 | -0.05464 | 49.52464 | 43.76638 | 10.13571 | 32.07429 |
| 7/24/2025 | 4:00:00 PM | 33.62398 | 51.94593 | 18.32195 | 29.05805 | 36.42175 | 2.79777 | 45.54223 | 33.56149 | -0.06249 | 49.53249 | 43.76281 | 10.13883 | 32.07117 |
| 7/24/2025 | 5:00:00 PM | 33.6106 | 51.92089 | 18.31029 | 29.06971 | 36.41102 | 2.80042 | 45.53958 | 33.55786 | -0.05274 | 49.52274 | 43.75209 | 10.14149 | 32.06851 |
| 7/24/2025 | 6:00:00 PM | 33.60057 | 51.90301 | 18.30244 | 29.07756 | 36.4146 | 2.81403 | 45.52597 | 33.54332 | -0.05725 | 49.52725 | 43.74495 | 10.14438 | 32.06562 |
| 7/24/2025 | 7:00:00 PM | 33.59723 | 51.89229 | 18.29506 | 29.08494 | 36.40744 | 2.81021 | 45.52979 | 33.53605 | -0.06118 | 49.53118 | 43.74495 | 10.14772 | 32.06228 |
| 7/24/2025 | 8:00:00 PM | 33.6106 | 51.72063 | 18.11003 | 29.26997 | 36.40386 | 2.79326 | 45.54674 | 33.53605 | -0.07455 | 49.54455 | 43.75209 | 10.14149 | 32.06851 |
| 7/24/2025 | 9:00:00 PM | 33.60392 | 51.71348 | 18.10956 | 29.27044 | 36.40386 | 2.79994 | 45.54006 | 33.53969 | -0.06423 | 49.53423 | 43.73781 | 10.13389 | 32.07611 |
| 7/24/2025 | 10:00:00 PM | 33.60726 | 51.71706 | 18.1098 | 29.2702 | 36.40028 | 2.79302 | 45.54698 | 33.53969 | -0.06757 | 49.53757 | 43.74495 | 10.13769 | 32.07231 |
| 7/24/2025 | 11:00:00 PM | 33.62064 | 51.72779 | 18.10715 | 29.27285 | 36.40386 | 2.78322 | 45.55678 | 33.55422 | -0.06642 | 49.53642 | 43.74852 | 10.12788 | 32.08212 |
| 7/25/2025 | 12:00:00 AM | 33.62732 | 51.84222 | 18.2149 | 29.1651 | 36.3967 | 2.76938 | 45.57062 | 33.55422 | -0.0731 | 49.5431 | 43.75566 | 10.12834 | 32.08166 |
| 7/25/2025 | 1:00:00 AM | 33.63736 | 51.86368 | 18.22632 | 29.15368 | 36.40028 | 2.76292 | 45.57708 | 33.55786 | -0.0795 | 49.5495 | 43.76281 | 10.12545 | 32.08455 |
| 7/25/2025 | 2:00:00 AM | 33.63067 | 51.87798 | 18.24731 | 29.13269 | 36.38954 | 2.75887 | 45.58113 | 33.55786 | -0.07281 | 49.54281 | 43.75566 | 10.12499 | 32.08501 |
| 7/25/2025 | 3:00:00 AM | 33.63736 | 51.89229 | 18.25493 | 29.12507 | 36.40028 | 2.76292 | 45.57708 | 33.56513 | -0.07223 | 49.54223 | 43.76281 | 10.12545 | 32.08455 |
| 7/25/2025 | 4:00:00 AM | 33.6407 | 51.91374 | 18.27304 | 29.10696 | 36.40028 | 2.75958 | 45.58042 | 33.56513 | -0.07557 | 49.54557 | 43.76281 | 10.12211 | 32.08789 |
| 7/25/2025 | 5:00:00 AM | 33.64404 | 51.91732 | 18.27328 | 29.10672 | 36.40028 | 2.75624 | 45.58376 | 33.56876 | -0.07528 | 49.54528 | 43.76281 | 10.11877 | 32.09123 |
| 7/25/2025 | 6:00:00 AM | 33.6407 | 51.93162 | 18.29092 | 29.08908 | 36.40028 | 2.75958 | 45.58042 | 33.56876 | -0.07194 | 49.54194 | 43.76638 | 10.12568 | 32.08432 |
| 7/25/2025 | 7:00:00 AM | 33.65073 | 51.95666 | 18.30593 | 29.07407 | 36.40386 | 2.75313 | 45.58687 | 33.5724 | -0.07833 | 49.54833 | 43.76638 | 10.11565 | 32.09435 |
| 7/25/2025 | 8:00:00 AM | 33.65408 | 51.89944 | 18.24536 | 29.13464 | 36.41102 | 2.75694 | 45.58306 | 33.57603 | -0.07805 | 49.54805 | 43.78423 | 10.13015 | 32.07985 |
| 7/25/2025 | 9:00:00 AM | 33.65742 | 51.92089 | 18.26347 | 29.11653 | 36.40744 | 2.75002 | 45.58998 | 33.5833 | -0.07412 | 49.54412 | 43.78423 | 10.12681 | 32.08319 |
| 7/25/2025 | 10:00:00 AM | 33.66745 | 51.9352 | 18.26775 | 29.11225 | 36.40744 | 2.73999 | 45.60001 | 33.59057 | -0.07688 | 49.54688 | 43.78423 | 10.11678 | 32.09322 |
| 7/25/2025 | 11:00:00 AM | 33.6708 | 51.94593 | 18.27513 | 29.10487 | 36.40744 | 2.73664 | 45.60336 | 33.5942 | -0.0766 | 49.5466 | 43.79495 | 10.12415 | 32.08585 |
| 7/25/2025 | 12:00:00 PM | 33.66076 | 51.9495 | 18.28874 | 29.09126 | 36.41817 | 2.75741 | 45.58259 | 33.5942 | -0.06656 | 49.53656 | 43.78066 | 10.1199 | 32.0901 |
| 7/25/2025 | 1:00:00 PM | 33.65742 | 51.95666 | 18.29924 | 29.08076 | 36.41102 | 2.7536 | 45.5864 | 33.58693 | -0.07049 | 49.54049 | 43.78066 | 10.12324 | 32.08676 |
| 7/25/2025 | 2:00:00 PM | 33.66076 | 51.96381 | 18.30305 | 29.07695 | 36.4146 | 2.75384 | 45.58616 | 33.58693 | -0.07383 | 49.54383 | 43.7878 | 10.12704 | 32.08296 |
| 7/25/2025 | 3:00:00 PM | 33.65408 | 51.96738 | 18.3133 | 29.0667 | 36.41102 | 2.75694 | 45.58306 | 33.58693 | -0.06715 | 49.53715 | 43.77709 | 10.12301 | 32.08699 |
| 7/25/2025 | 4:00:00 PM | 33.63067 | 51.95308 | 18.32241 | 29.05759 | 36.41817 | 2.7875 | 45.5525 | 33.56876 | -0.06191 | 49.53191 | 43.76995 | 10.13928 | 32.07072 |
| 7/25/2025 | 5:00:00 PM | 33.60726 | 51.9352 | 18.32794 | 29.05206 | 36.41102 | 2.80376 | 45.53624 | 33.54696 | -0.0603 | 49.5303 | 43.74495 | 10.13769 | 32.07231 |
| 7/25/2025 | 6:00:00 PM | 33.59054 | 51.91732 | 18.32678 | 29.05322 | 36.41102 | 2.82048 | 45.51952 | 33.53242 | -0.05812 | 49.52812 | 43.73066 | 10.14012 | 32.06988 |
| 7/25/2025 | 7:00:00 PM | 33.57048 | 51.90659 | 18.33611 | 29.04389 | 36.40744 | 2.83696 | 45.50304 | 33.52515 | -0.04533 | 49.51533 | 43.72352 | 10.15304 | 32.05696 |
| 7/25/2025 | 8:00:00 PM | 33.57382 | 51.89944 | 18.32562 | 29.05438 | 36.40386 | 2.83004 | 45.50996 | 33.51788 | -0.05594 | 49.52594 | 43.71638 | 10.14256 | 32.06744 |
| 7/25/2025 | 9:00:00 PM | 33.56713 | 51.89229 | 18.32516 | 29.05484 | 36.38954 | 2.82241 | 45.51759 | 33.51061 | -0.05652 | 49.52652 | 43.72352 | 10.15639 | 32.05361 |
| 7/25/2025 | 10:00:00 PM | 33.57716 | 51.89229 | 18.31513 | 29.06487 | 36.38954 | 2.81238 | 45.52762 | 33.51425 | -0.06291 | 49.53291 | 43.71995 | 10.14279 | 32.06721 |
| 7/25/2025 | 11:00:00 PM | 33.58051 | 51.88871 | 18.3082 | 29.0718 | 36.38954 | 2.80903 | 45.53097 | 33.51425 | -0.06626 | 49.53626 | 43.71995 | 10.13944 | 32.07056 |
| 7/26/2025 | 12:00:00 AM | 33.57382 | 51.88871 | 18.31489 | 29.06511 | 36.38238 | 2.80856 | 45.53144 | 33.50335 | -0.07047 | 49.54047 | 43.70566 | 10.13184 | 32.07816 |
| 7/26/2025 | 1:00:00 AM | 33.57716 | 51.89586 | 18.3187 | 29.0613 | 36.38238 | 2.80522 | 45.53478 | 33.50335 | -0.07381 | 49.54381 | 43.70566 | 10.1285 | 32.0815 |
| 7/26/2025 | 2:00:00 AM | 33.58385 | 51.90659 | 18.32274 | 29.05726 | 36.37522 | 2.79137 | 45.54863 | 33.50335 | -0.0805 | 49.5505 | 43.71281 | 10.12896 | 32.08104 |
| 7/26/2025 | 3:00:00 AM | 33.57716 | 51.90659 | 18.32943 | 29.05057 | 36.37164 | 2.79448 | 45.54552 | 33.50698 | -0.07018 | 49.54018 | 43.70924 | 10.13208 | 32.07792 |
| 7/26/2025 | 4:00:00 AM | 33.5571 | 51.90659 | 18.34949 | 29.03051 | 36.36806 | 2.81096 | 45.52904 | 33.49971 | -0.05739 | 49.52739 | 43.69138 | 10.13428 | 32.07572 |
| 7/26/2025 | 5:00:00 AM | 33.56379 | 51.91017 | 18.34638 | 29.03362 | 36.36806 | 2.80427 | 45.53573 | 33.49244 | -0.07135 | 49.54135 | 43.69852 | 10.13473 | 32.07527 |
| 7/26/2025 | 6:00:00 AM | 33.57048 | 51.93162 | 18.36114 | 29.01886 | 36.36448 | 2.794 | 45.546 | 33.50698 | -0.0635 | 49.5335 | 43.70566 | 10.13518 | 32.07482 |
| 7/26/2025 | 7:00:00 AM | 33.58051 | 51.9495 | 18.36899 | 29.01101 | 36.3609 | 2.78039 | 45.55961 | 33.50698 | -0.07353 | 49.54353 | 43.70924 | 10.12873 | 32.08127 |
| 7/26/2025 | 8:00:00 AM | 33.5872 | 51.95308 | 18.36588 | 29.01412 | 36.36448 | 2.77728 | 45.56272 | 33.51061 | -0.07659 | 49.54659 | 43.71281 | 10.12561 | 32.08439 |
| 7/26/2025 | 9:00:00 AM | 33.60057 | 51.97454 | 18.37397 | 29.00603 | 36.3609 | 2.76033 | 45.57967 | 33.51425 | -0.08632 | 49.55632 | 43.71995 | 10.11938 | 32.09062 |
| 7/26/2025 | 10:00:00 AM | 33.59723 | 51.98526 | 18.38803 | 28.99197 | 36.3609 | 2.76367 | 45.57633 | 33.51788 | -0.07935 | 49.54935 | 43.71281 | 10.11558 | 32.09442 |
| 7/26/2025 | 11:00:00 AM | 33.60392 | 51.98884 | 18.38492 | 28.99508 | 36.35374 | 2.74982 | 45.59018 | 33.52879 | -0.07513 | 49.54513 | 43.72352 | 10.1196 | 32.0904 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/26/2025 | 12:00:00 PM | 33.60392 | 51.99599 | 18.39207 | 28.98793 | 36.3609 | 2.75698 | 45.58302 | 33.53605 | -0.06787 | 49.53787 | 43.71638 | 10.11246 | 32.09754 |
| 7/26/2025 | 1:00:00 PM | 33.60057 | 51.98526 | 18.38469 | 28.99531 | 36.35732 | 2.75675 | 45.58325 | 33.52879 | -0.07178 | 49.54178 | 43.71281 | 10.11224 | 32.09776 |
| 7/26/2025 | 2:00:00 PM | 33.58385 | 51.97096 | 18.38711 | 28.99289 | 36.3609 | 2.77705 | 45.56295 | 33.51788 | -0.06597 | 49.53597 | 43.70566 | 10.12181 | 32.08819 |
| 7/26/2025 | 3:00:00 PM | 33.57382 | 51.9495 | 18.37568 | 29.00432 | 36.35374 | 2.77992 | 45.56008 | 33.51425 | -0.05957 | 49.52957 | 43.69495 | 10.12113 | 32.08887 |
| 7/26/2025 | 4:00:00 PM | 33.56044 | 51.90659 | 18.34615 | 29.03385 | 36.35374 | 2.7933 | 45.5467 | 33.50698 | -0.05346 | 49.52346 | 43.68067 | 10.12023 | 32.08977 |
| 7/26/2025 | 5:00:00 PM | 33.56379 | 51.89229 | 18.3285 | 29.0515 | 36.34658 | 2.78279 | 45.55721 | 33.49608 | -0.06771 | 49.53771 | 43.68424 | 10.12045 | 32.08955 |
| 7/26/2025 | 6:00:00 PM | 33.55376 | 51.87441 | 18.32065 | 29.05935 | 36.34658 | 2.79282 | 45.54718 | 33.48881 | -0.06495 | 49.53495 | 43.68067 | 10.12691 | 32.08309 |
| 7/26/2025 | 7:00:00 PM | 33.5571 | 51.86368 | 18.30658 | 29.07342 | 36.34658 | 2.78948 | 45.55052 | 33.49608 | -0.06102 | 49.53102 | 43.68781 | 10.13071 | 32.07929 |
| 7/26/2025 | 8:00:00 PM | 33.56713 | 51.85653 | 18.2894 | 29.0906 | 36.33942 | 2.77229 | 45.56771 | 33.49608 | -0.07105 | 49.54105 | 43.69138 | 10.12425 | 32.08575 |
| 7/26/2025 | 9:00:00 PM | 33.58385 | 51.86368 | 18.27983 | 29.10017 | 36.33942 | 2.75557 | 45.58443 | 33.50698 | -0.07687 | 49.54687 | 43.69852 | 10.11467 | 32.09533 |
| 7/26/2025 | 10:00:00 PM | 33.59388 | 51.86725 | 18.27337 | 29.10663 | 36.33942 | 2.74554 | 45.59446 | 33.51425 | -0.07963 | 49.54963 | 43.70209 | 10.10821 | 32.10179 |
| 7/26/2025 | 11:00:00 PM | 33.60057 | 51.87083 | 18.27026 | 29.10974 | 36.343 | 2.74243 | 45.59757 | 33.52152 | -0.07905 | 49.54905 | 43.70566 | 10.10509 | 32.10491 |
| 7/27/2025 | 12:00:00 AM | 33.6106 | 51.88156 | 18.27096 | 29.10904 | 36.33942 | 2.72882 | 45.61118 | 33.52515 | -0.08545 | 49.55545 | 43.70566 | 10.09506 | 32.11494 |
| 7/27/2025 | 1:00:00 AM | 33.61395 | 51.88156 | 18.26761 | 29.11239 | 36.343 | 2.72905 | 45.61095 | 33.52879 | -0.08516 | 49.55516 | 43.70566 | 10.09171 | 32.11829 |
| 7/27/2025 | 2:00:00 AM | 33.60726 | 51.89229 | 18.28503 | 29.09497 | 36.34658 | 2.73932 | 45.60068 | 33.53605 | -0.07121 | 49.54121 | 43.70209 | 10.09483 | 32.11517 |
| 7/27/2025 | 3:00:00 AM | 33.61395 | 51.90301 | 18.28906 | 29.09094 | 36.34658 | 2.73263 | 45.60737 | 33.53605 | -0.0779 | 49.5479 | 43.71638 | 10.10243 | 32.10757 |
| 7/27/2025 | 4:00:00 AM | 33.62064 | 51.91732 | 18.29668 | 29.08332 | 36.34658 | 2.72594 | 45.61406 | 33.53969 | -0.08095 | 49.55095 | 43.72352 | 10.10288 | 32.10712 |
| 7/27/2025 | 5:00:00 AM | 33.62398 | 51.93162 | 18.30764 | 29.07236 | 36.34658 | 2.7226 | 45.6174 | 33.54696 | -0.07702 | 49.54702 | 43.73066 | 10.10668 | 32.10332 |
| 7/27/2025 | 6:00:00 AM | 33.63401 | 51.9495 | 18.31549 | 29.06451 | 36.35016 | 2.71615 | 45.62385 | 33.55422 | -0.07979 | 49.54979 | 43.73423 | 10.10022 | 32.10978 |
| 7/27/2025 | 7:00:00 AM | 33.63736 | 51.95666 | 18.3193 | 29.0607 | 36.3609 | 2.72354 | 45.61646 | 33.56876 | -0.0686 | 49.5386 | 43.73781 | 10.10045 | 32.10955 |
| 7/27/2025 | 8:00:00 AM | 33.65408 | 51.98884 | 18.33476 | 29.04524 | 36.35732 | 2.70324 | 45.63676 | 33.5724 | -0.08168 | 49.55168 | 43.74138 | 10.0873 | 32.1227 |
| 7/27/2025 | 9:00:00 AM | 33.65742 | 51.99957 | 18.34215 | 29.03785 | 36.35732 | 2.6999 | 45.6401 | 33.57966 | -0.07776 | 49.54776 | 43.75923 | 10.10181 | 32.10819 |
| 7/27/2025 | 10:00:00 AM | 33.65742 | 52.00672 | 18.3493 | 29.0307 | 36.36448 | 2.70706 | 45.63294 | 33.5833 | -0.07412 | 49.54412 | 43.74852 | 10.0911 | 32.1189 |
| 7/27/2025 | 11:00:00 AM | 33.65073 | 52.00672 | 18.35599 | 29.02401 | 36.36806 | 2.71733 | 45.62267 | 33.57966 | -0.07107 | 49.54107 | 43.74495 | 10.09422 | 32.11578 |
| 7/27/2025 | 12:00:00 PM | 33.63401 | 51.99957 | 18.36556 | 29.01444 | 36.37164 | 2.73763 | 45.60237 | 33.5724 | -0.06161 | 49.53161 | 43.74495 | 10.11094 | 32.09906 |
| 7/27/2025 | 1:00:00 PM | 33.62732 | 51.99957 | 18.37225 | 29.00775 | 36.3788 | 2.75148 | 45.58852 | 33.56149 | -0.06583 | 49.53583 | 43.74138 | 10.11406 | 32.09594 |
| 7/27/2025 | 2:00:00 PM | 33.63401 | 51.99242 | 18.35841 | 29.02159 | 36.3788 | 2.74479 | 45.59521 | 33.56513 | -0.06888 | 49.53888 | 43.74852 | 10.11451 | 32.09549 |
| 7/27/2025 | 3:00:00 PM | 33.62732 | 51.97454 | 18.34722 | 29.03278 | 36.37522 | 2.7479 | 45.5921 | 33.56149 | -0.06583 | 49.53583 | 43.73066 | 10.10334 | 32.10666 |
| 7/27/2025 | 4:00:00 PM | 33.62064 | 51.92447 | 18.30383 | 29.07617 | 36.37164 | 2.751 | 45.589 | 33.55059 | -0.07005 | 49.54005 | 43.72709 | 10.10645 | 32.10355 |
| 7/27/2025 | 5:00:00 PM | 33.62064 | 51.88513 | 18.26449 | 29.11551 | 36.3788 | 2.75816 | 45.58184 | 33.55059 | -0.07005 | 49.54005 | 43.72352 | 10.10288 | 32.10712 |
| 7/27/2025 | 6:00:00 PM | 33.6106 | 51.87083 | 18.26023 | 29.11977 | 36.37522 | 2.76462 | 45.57538 | 33.54332 | -0.06728 | 49.53728 | 43.71638 | 10.10578 | 32.10422 |
| 7/27/2025 | 7:00:00 PM | 33.62064 | 51.86368 | 18.24304 | 29.13696 | 36.37164 | 2.751 | 45.589 | 33.55059 | -0.07005 | 49.54005 | 43.72709 | 10.10645 | 32.10355 |
| 7/27/2025 | 8:00:00 PM | 33.6407 | 51.86725 | 18.22655 | 29.15345 | 36.37522 | 2.73452 | 45.60548 | 33.55786 | -0.08284 | 49.55284 | 43.73423 | 10.09353 | 32.11647 |
| 7/27/2025 | 9:00:00 PM | 33.66076 | 51.88156 | 18.2208 | 29.1592 | 36.37522 | 2.71446 | 45.62554 | 33.5724 | -0.08836 | 49.55836 | 43.75209 | 10.09133 | 32.11867 |
| 7/27/2025 | 10:00:00 PM | 33.67414 | 51.88871 | 18.21457 | 29.16543 | 36.37522 | 2.70108 | 45.63892 | 33.59057 | -0.08357 | 49.55357 | 43.75209 | 10.07795 | 32.13205 |
| 7/27/2025 | 11:00:00 PM | 33.68083 | 51.89586 | 18.21503 | 29.16497 | 36.3788 | 2.69797 | 45.64203 | 33.5942 | -0.08663 | 49.55663 | 43.76638 | 10.08555 | 32.12445 |
| 7/28/2025 | 12:00:00 AM | 33.69755 | 51.90659 | 18.20904 | 29.17096 | 36.3788 | 2.68125 | 45.65875 | 33.60874 | -0.08881 | 49.55881 | 43.77352 | 10.07597 | 32.13403 |
| 7/28/2025 | 1:00:00 AM | 33.70424 | 51.92805 | 18.22381 | 29.15619 | 36.38238 | 2.67814 | 45.66186 | 33.62691 | -0.07733 | 49.54733 | 43.78066 | 10.07642 | 32.13358 |
| 7/28/2025 | 2:00:00 AM | 33.72096 | 51.93877 | 18.21781 | 29.16219 | 36.38596 | 2.665 | 45.675 | 33.63054 | -0.09042 | 49.56042 | 43.79495 | 10.07399 | 32.13601 |
| 7/28/2025 | 3:00:00 AM | 33.73433 | 51.95666 | 18.22233 | 29.15767 | 36.3967 | 2.66237 | 45.67763 | 33.64144 | -0.09289 | 49.56289 | 43.80566 | 10.07133 | 32.13867 |
| 7/28/2025 | 4:00:00 AM | 33.74436 | 51.97454 | 18.23018 | 29.14982 | 36.40028 | 2.65592 | 45.68408 | 33.65598 | -0.08838 | 49.55838 | 43.80923 | 10.06487 | 32.14513 |
| 7/28/2025 | 5:00:00 AM | 33.7544 | 51.99599 | 18.24159 | 29.13841 | 36.4146 | 2.6602 | 45.6798 | 33.65962 | -0.09478 | 49.56478 | 43.81995 | 10.06555 | 32.14445 |
| 7/28/2025 | 6:00:00 AM | 33.75105 | 52.00672 | 18.25567 | 29.12433 | 36.41102 | 2.65997 | 45.68003 | 33.67052 | -0.08053 | 49.55053 | 43.81995 | 10.0689 | 32.1411 |
| 7/28/2025 | 7:00:00 AM | 33.77112 | 52.0389 | 18.26778 | 29.11222 | 36.43249 | 2.66137 | 45.67863 | 33.67779 | -0.09333 | 49.56333 | 43.83423 | 10.06311 | 32.14689 |
| 7/28/2025 | 8:00:00 AM | 33.78115 | 52.06751 | 18.28636 | 29.09364 | 36.43607 | 2.65492 | 45.68508 | 33.68869 | -0.09246 | 49.56246 | 43.85566 | 10.07451 | 32.13549 |
| 7/28/2025 | 9:00:00 AM | 33.78784 | 52.07467 | 18.28683 | 29.09317 | 36.44323 | 2.65539 | 45.68461 | 33.69959 | -0.08825 | 49.55825 | 43.85566 | 10.06782 | 32.14218 |
| 7/28/2025 | 10:00:00 AM | 33.7778 | 52.07824 | 18.30044 | 29.07956 | 36.44323 | 2.66543 | 45.67457 | 33.69959 | -0.07821 | 49.54821 | 43.85566 | 10.07786 | 32.13214 |
| 7/28/2025 | 11:00:00 AM | 33.7778 | 52.07824 | 18.30044 | 29.07956 | 36.45755 | 2.67975 | 45.66025 | 33.69959 | -0.07821 | 49.54821 | 43.85566 | 10.07786 | 32.13214 |
| 7/28/2025 | 12:00:00 PM | 33.76777 | 52.07824 | 18.31047 | 29.06953 | 36.45755 | 2.68978 | 45.65022 | 33.69232 | -0.07545 | 49.54545 | 43.85209 | 10.08432 | 32.12568 |
| 7/28/2025 | 1:00:00 PM | 33.75774 | 52.07109 | 18.31335 | 29.06665 | 36.46471 | 2.70697 | 45.63303 | 33.69232 | -0.06542 | 49.53542 | 43.84495 | 10.08721 | 32.12279 |
| 7/28/2025 | 2:00:00 PM | 33.76108 | 52.06036 | 18.29928 | 29.08072 | 36.46829 | 2.70721 | 45.63279 | 33.69596 | -0.06512 | 49.53512 | 43.84137 | 10.08029 | 32.12971 |
| 7/28/2025 | 3:00:00 PM | 33.75774 | 52.0389 | 18.28116 | 29.09884 | 36.47187 | 2.71413 | 45.62587 | 33.68505 | -0.07269 | 49.54269 | 43.84137 | 10.08363 | 32.12637 |
| 7/28/2025 | 4:00:00 PM | 33.74436 | 52.07109 | 18.32673 | 29.05327 | 36.47903 | 2.73467 | 45.60533 | 33.67415 | -0.07021 | 49.54021 | 43.83066 | 10.0863 | 32.1237 |
| 7/28/2025 | 5:00:00 PM | 33.74436 | 52.06751 | 18.32315 | 29.05685 | 36.47187 | 2.72751 | 45.61249 | 33.66325 | -0.08111 | 49.55111 | 43.82709 | 10.08273 | 32.12727 |
| 7/28/2025 | 6:00:00 PM | 33.72764 | 52.04963 | 18.32199 | 29.05801 | 36.47187 | 2.74423 | 45.59577 | 33.66688 | -0.06076 | 49.53076 | 43.82352 | 10.09588 | 32.11412 |
| 7/28/2025 | 7:00:00 PM | 33.73433 | 52.03175 | 18.29742 | 29.08258 | 36.47187 | 2.73754 | 45.60246 | 33.66325 | -0.07108 | 49.54108 | 43.82352 | 10.08919 | 32.12081 |
| 7/28/2025 | 8:00:00 PM | 33.73433 | 52.0246 | 18.29027 | 29.08973 | 36.47903 | 2.7447 | 45.5953 | 33.66688 | -0.06745 | 49.53745 | 43.83066 | 10.09633 | 32.11367 |
| 7/28/2025 | 9:00:00 PM | 33.7544 | 52.03533 | 18.28093 | 29.09907 | 36.46471 | 2.71031 | 45.62969 | 33.67415 | -0.08025 | 49.55025 | 43.83423 | 10.07983 | 32.13017 |
| 7/28/2025 | 10:00:00 PM | 33.76777 | 52.04606 | 18.27829 | 29.10171 | 36.47187 | 2.7041 | 45.6359 | 33.68505 | -0.08272 | 49.55272 | 43.84495 | 10.07718 | 32.13282 |
| 7/28/2025 | 11:00:00 PM | 33.76777 | 52.05321 | 18.28544 | 29.09456 | 36.47903 | 2.71126 | 45.62874 | 33.69232 | -0.07545 | 49.54545 | 43.84852 | 10.08075 | 32.12925 |
| 7/29/2025 | 12:00:00 AM | 33.78115 | 52.06036 | 18.27921 | 29.10079 | 36.48261 | 2.70146 | 45.63854 | 33.69959 | -0.08156 | 49.55156 | 43.85209 | 10.07094 | 32.13906 |
| 7/29/2025 | 1:00:00 AM | 33.78784 | 52.07467 | 18.28683 | 29.09317 | 36.48619 | 2.69835 | 45.64165 | 33.70686 | -0.08098 | 49.55098 | 43.85209 | 10.06425 | 32.14575 |
| 7/29/2025 | 2:00:00 AM | 33.79118 | 52.08539 | 18.29421 | 29.08579 | 36.48261 | 2.69143 | 45.64857 | 33.71049 | -0.08069 | 49.55069 | 43.8628 | 10.07162 | 32.13838 |
| 7/29/2025 | 3:00:00 AM | 33.81124 | 51.97096 | 18.15972 | 29.22028 | 36.48619 | 2.67495 | 45.66505 | 33.7214 | -0.08984 | 49.55984 | 43.87352 | 10.06228 | 32.14772 |
| 7/29/2025 | 4:00:00 AM | 33.81124 | 51.98884 | 18.1776 | 29.2024 | 36.48977 | 2.67853 | 45.66147 | 33.72503 | -0.08621 | 49.55621 | 43.88066 | 10.06942 | 32.14058 |
| 7/29/2025 | 5:00:00 AM | 33.81124 | 51.99957 | 18.18833 | 29.19167 | 36.49692 | 2.68568 | 45.65432 | 33.72866 | -0.08258 | 49.55258 | 43.88066 | 10.06942 | 32.14058 |
| 7/29/2025 | 6:00:00 AM | 33.82796 | 52.0246 | 18.19664 | 29.18336 | 36.49692 | 2.66896 | 45.67104 | 33.7432 | -0.08476 | 49.55476 | 43.8878 | 10.05984 | 32.15016 |
| 7/29/2025 | 7:00:00 AM | 33.83465 | 52.04248 | 18.20783 | 29.17217 | 36.50766 | 2.67301 | 45.66699 | 33.74684 | -0.08781 | 49.55781 | 43.89494 | 10.06029 | 32.14971 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/29/2025 | 8:00:00 AM | 33.83131 | 52.05679 | 18.22548 | 29.15452 | 36.51124 | 2.67993 | 45.66007 | 33.7432 | -0.08811 | 49.55811 | 43.89852 | 10.06721 | 32.14279 |
| 7/29/2025 | 9:00:00 AM | 33.82796 | 52.05679 | 18.22883 | 29.15117 | 36.52198 | 2.69402 | 45.64598 | 33.7541 | -0.07386 | 49.54386 | 43.89852 | 10.07056 | 32.13944 |
| 7/29/2025 | 10:00:00 AM | 33.81793 | 52.05679 | 18.23886 | 29.14114 | 36.5184 | 2.70047 | 45.63953 | 33.7432 | -0.07473 | 49.54473 | 43.89494 | 10.07701 | 32.13299 |
| 7/29/2025 | 11:00:00 AM | 33.80456 | 52.06036 | 18.2558 | 29.1242 | 36.52198 | 2.71742 | 45.62258 | 33.73593 | -0.06863 | 49.53863 | 43.88423 | 10.07967 | 32.13033 |
| 7/29/2025 | 12:00:00 PM | 33.78784 | 52.04606 | 18.25822 | 29.12178 | 36.52556 | 2.73772 | 45.60228 | 33.72503 | -0.06281 | 49.53281 | 43.86994 | 10.0821 | 32.1279 |
| 7/29/2025 | 1:00:00 PM | 33.7778 | 52.03175 | 18.25395 | 29.12605 | 36.52556 | 2.74776 | 45.59224 | 33.71413 | -0.06367 | 49.53367 | 43.85566 | 10.07786 | 32.13214 |
| 7/29/2025 | 2:00:00 PM | 33.76108 | 51.97811 | 18.21703 | 29.16297 | 36.52198 | 2.7609 | 45.5791 | 33.69959 | -0.06149 | 49.53149 | 43.85566 | 10.09458 | 32.11542 |
| 7/29/2025 | 3:00:00 PM | 33.74436 | 51.96381 | 18.21945 | 29.16055 | 36.52198 | 2.77762 | 45.56238 | 33.68869 | -0.05567 | 49.52567 | 43.8378 | 10.09344 | 32.11656 |
| 7/29/2025 | 4:00:00 PM | 33.7243 | 51.93162 | 18.20732 | 29.17268 | 36.51482 | 2.79052 | 45.54948 | 33.67415 | -0.05015 | 49.52015 | 43.82352 | 10.09922 | 32.11078 |
| 7/29/2025 | 5:00:00 PM | 33.71092 | 51.91374 | 18.20282 | 29.17718 | 36.51124 | 2.80032 | 45.53968 | 33.66325 | -0.04767 | 49.51767 | 43.81995 | 10.10903 | 32.10097 |
| 7/29/2025 | 6:00:00 PM | 33.70089 | 51.88871 | 18.18782 | 29.19218 | 36.50408 | 2.80319 | 45.53681 | 33.64871 | -0.05218 | 49.52218 | 43.80209 | 10.1012 | 32.1088 |
| 7/29/2025 | 7:00:00 PM | 33.70758 | 51.87441 | 18.16683 | 29.21317 | 36.49692 | 2.78934 | 45.55066 | 33.63781 | -0.06977 | 49.53977 | 43.80566 | 10.09808 | 32.11192 |
| 7/29/2025 | 8:00:00 PM | 33.70758 | 51.86368 | 18.1561 | 29.2239 | 36.49334 | 2.78576 | 45.55424 | 33.64144 | -0.06614 | 49.53614 | 43.80566 | 10.09808 | 32.11192 |
| 7/29/2025 | 9:00:00 PM | 33.71761 | 51.8601 | 18.14249 | 29.23751 | 36.49692 | 2.77931 | 45.56069 | 33.64871 | -0.0689 | 49.5389 | 43.80209 | 10.08448 | 32.12552 |
| 7/29/2025 | 10:00:00 PM | 33.72096 | 51.87441 | 18.15345 | 29.22655 | 36.49334 | 2.77238 | 45.56762 | 33.64871 | -0.07225 | 49.54225 | 43.80566 | 10.0847 | 32.1253 |
| 7/29/2025 | 11:00:00 PM | 33.73768 | 51.88156 | 18.14388 | 29.23612 | 36.47903 | 2.74135 | 45.59865 | 33.66688 | -0.0708 | 49.5408 | 43.81637 | 10.07869 | 32.13131 |
| 7/30/2025 | 12:00:00 AM | 33.73768 | 51.88156 | 18.14388 | 29.23612 | 36.47903 | 2.74135 | 45.59865 | 33.65598 | -0.0817 | 49.5517 | 43.80209 | 10.06441 | 32.14559 |
| 7/30/2025 | 1:00:00 AM | 33.73768 | 51.88871 | 18.15103 | 29.22897 | 36.47545 | 2.73777 | 45.60223 | 33.65962 | -0.07806 | 49.54806 | 43.80566 | 10.06798 | 32.14202 |
| 7/30/2025 | 2:00:00 AM | 33.73099 | 51.88156 | 18.15057 | 29.22943 | 36.47903 | 2.74804 | 45.59196 | 33.65962 | -0.07137 | 49.54137 | 43.79495 | 10.06396 | 32.14604 |
| 7/30/2025 | 3:00:00 AM | 33.73099 | 51.90301 | 18.17202 | 29.20798 | 36.47903 | 2.74804 | 45.59196 | 33.65962 | -0.07137 | 49.54137 | 43.79852 | 10.06753 | 32.14247 |
| 7/30/2025 | 4:00:00 AM | 33.72764 | 51.91017 | 18.18253 | 29.19747 | 36.48261 | 2.75497 | 45.58503 | 33.65962 | -0.06802 | 49.53802 | 43.80209 | 10.07445 | 32.13555 |
| 7/30/2025 | 5:00:00 AM | 33.73768 | 51.9352 | 18.19752 | 29.18248 | 36.47545 | 2.73777 | 45.60223 | 33.66325 | -0.07443 | 49.54443 | 43.80923 | 10.07155 | 32.13845 |
| 7/30/2025 | 6:00:00 AM | 33.74102 | 51.94235 | 18.20133 | 29.17867 | 36.47903 | 2.73801 | 45.60199 | 33.65962 | -0.0814 | 49.5514 | 43.81637 | 10.07535 | 32.13465 |
| 7/30/2025 | 7:00:00 AM | 33.73433 | 51.94593 | 18.2116 | 29.1684 | 36.47545 | 2.74112 | 45.59888 | 33.65962 | -0.07471 | 49.54471 | 43.80566 | 10.07133 | 32.13867 |
| 7/30/2025 | 8:00:00 AM | 33.74436 | 51.96738 | 18.22302 | 29.15698 | 36.47187 | 2.72751 | 45.61249 | 33.66688 | -0.07748 | 49.54748 | 43.81637 | 10.07201 | 32.13799 |
| 7/30/2025 | 9:00:00 AM | 33.73768 | 51.96738 | 18.2297 | 29.1503 | 36.47903 | 2.74135 | 45.59865 | 33.66688 | -0.0708 | 49.5408 | 43.81995 | 10.08227 | 32.12773 |
| 7/30/2025 | 10:00:00 AM | 33.73099 | 51.93877 | 18.20778 | 29.17222 | 36.47187 | 2.74088 | 45.59912 | 33.65962 | -0.07137 | 49.54137 | 43.80209 | 10.0711 | 32.1389 |
| 7/30/2025 | 11:00:00 AM | 33.71092 | 51.92447 | 18.21355 | 29.16645 | 36.46829 | 2.75737 | 45.58263 | 33.65598 | -0.05494 | 49.52494 | 43.79138 | 10.08046 | 32.12954 |
| 7/30/2025 | 12:00:00 PM | 33.70424 | 51.91732 | 18.21308 | 29.16692 | 36.46829 | 2.76405 | 45.57595 | 33.63781 | -0.06643 | 49.53643 | 43.78423 | 10.07999 | 32.13001 |
| 7/30/2025 | 1:00:00 PM | 33.6708 | 51.89229 | 18.22149 | 29.15851 | 36.46471 | 2.79391 | 45.54609 | 33.61964 | -0.05116 | 49.52116 | 43.76281 | 10.09201 | 32.11799 |
| 7/30/2025 | 2:00:00 PM | 33.65408 | 51.87083 | 18.21675 | 29.16325 | 36.46471 | 2.81063 | 45.52937 | 33.6051 | -0.04898 | 49.51898 | 43.75209 | 10.09801 | 32.11199 |
| 7/30/2025 | 3:00:00 PM | 33.62732 | 51.85295 | 18.22563 | 29.15437 | 36.46113 | 2.83381 | 45.50619 | 33.58693 | -0.04039 | 49.51039 | 43.73423 | 10.10691 | 32.10309 |
| 7/30/2025 | 4:00:00 PM | 33.62064 | 51.82076 | 18.20012 | 29.17988 | 36.45039 | 2.82975 | 45.51025 | 33.5724 | -0.04824 | 49.51824 | 43.71995 | 10.09931 | 32.11069 |
| 7/30/2025 | 5:00:00 PM | 33.63067 | 51.82434 | 18.19367 | 29.18633 | 36.44323 | 2.81256 | 45.52744 | 33.5724 | -0.05827 | 49.52827 | 43.73066 | 10.09999 | 32.11001 |
| 7/30/2025 | 6:00:00 PM | 33.63736 | 51.82076 | 18.1834 | 29.1966 | 36.43965 | 2.80229 | 45.53771 | 33.57603 | -0.06133 | 49.53133 | 43.73066 | 10.0933 | 32.1167 |
| 7/30/2025 | 7:00:00 PM | 33.6407 | 51.80288 | 18.16218 | 29.21782 | 36.42891 | 2.78821 | 45.55179 | 33.57603 | -0.06467 | 49.53467 | 43.72352 | 10.08282 | 32.12718 |
| 7/30/2025 | 8:00:00 PM | 33.62732 | 51.79216 | 18.16484 | 29.21516 | 36.42533 | 2.79801 | 45.54199 | 33.56876 | -0.05856 | 49.52856 | 43.71281 | 10.08549 | 32.12451 |
| 7/30/2025 | 9:00:00 PM | 33.64404 | 51.79216 | 18.14812 | 29.23188 | 36.41102 | 2.76698 | 45.57302 | 33.56513 | -0.07891 | 49.54891 | 43.71281 | 10.06877 | 32.14123 |
| 7/30/2025 | 10:00:00 PM | 33.66076 | 51.79573 | 18.13497 | 29.24503 | 36.40744 | 2.74668 | 45.59332 | 33.5724 | -0.08836 | 49.55836 | 43.71995 | 10.05919 | 32.15081 |
| 7/30/2025 | 11:00:00 PM | 33.65073 | 51.79931 | 18.14858 | 29.23142 | 36.40744 | 2.75671 | 45.58329 | 33.57966 | -0.07107 | 49.54107 | 43.71638 | 10.06565 | 32.14435 |
| 7/31/2025 | 12:00:00 AM | 33.65408 | 51.79931 | 18.14523 | 29.23477 | 36.40028 | 2.7462 | 45.5938 | 33.5833 | -0.07078 | 49.54078 | 43.71638 | 10.0623 | 32.1477 |
| 7/31/2025 | 1:00:00 AM | 33.65073 | 51.81361 | 18.16288 | 29.21712 | 36.40028 | 2.74955 | 45.59045 | 33.58693 | -0.0638 | 49.5338 | 43.70924 | 10.05851 | 32.15149 |
| 7/31/2025 | 2:00:00 AM | 33.64739 | 51.81361 | 18.16622 | 29.21378 | 36.40386 | 2.75647 | 45.58353 | 33.56876 | -0.07863 | 49.54863 | 43.70566 | 10.05827 | 32.15173 |
| 7/31/2025 | 3:00:00 AM | 33.64739 | 51.82434 | 18.17695 | 29.20305 | 36.38954 | 2.74215 | 45.59785 | 33.5724 | -0.07499 | 49.54499 | 43.71638 | 10.06899 | 32.14101 |
| 7/31/2025 | 4:00:00 AM | 33.64739 | 51.83507 | 18.18768 | 29.19232 | 36.39312 | 2.74573 | 45.59427 | 33.57603 | -0.07136 | 49.54136 | 43.71638 | 10.06899 | 32.14101 |
| 7/31/2025 | 5:00:00 AM | 33.65073 | 51.84222 | 18.19149 | 29.18851 | 36.38954 | 2.73881 | 45.60119 | 33.57966 | -0.07107 | 49.54107 | 43.71281 | 10.06208 | 32.14792 |
| 7/31/2025 | 6:00:00 AM | 33.65742 | 51.91374 | 18.25632 | 29.12368 | 36.38954 | 2.73212 | 45.60788 | 33.58693 | -0.07049 | 49.54049 | 43.73066 | 10.07324 | 32.13676 |
| 7/31/2025 | 7:00:00 AM | 33.67748 | 51.94235 | 18.26487 | 29.11513 | 36.38954 | 2.71206 | 45.62794 | 33.5942 | -0.08328 | 49.55328 | 43.73066 | 10.05318 | 32.15682 |
| 7/31/2025 | 8:00:00 AM | 33.69086 | 51.96381 | 18.27295 | 29.10705 | 36.38954 | 2.69868 | 45.64132 | 33.6051 | -0.08576 | 49.55576 | 43.74852 | 10.05766 | 32.15234 |
| 7/31/2025 | 9:00:00 AM | 33.6942 | 51.94235 | 18.24815 | 29.13185 | 36.38954 | 2.69534 | 45.64466 | 33.61237 | -0.08183 | 49.55183 | 43.74495 | 10.05075 | 32.15925 |
| 7/31/2025 | 10:00:00 AM | 33.69086 | 51.94593 | 18.25507 | 29.12493 | 36.39312 | 2.70226 | 45.63774 | 33.61237 | -0.07849 | 49.54849 | 43.74495 | 10.05409 | 32.15591 |
| 7/31/2025 | 11:00:00 AM | 33.69086 | 51.9495 | 18.25864 | 29.12136 | 36.3967 | 2.70584 | 45.63416 | 33.61237 | -0.07849 | 49.54849 | 43.74138 | 10.05052 | 32.15948 |
| 7/31/2025 | 12:00:00 PM | 33.67414 | 51.94235 | 18.26821 | 29.11179 | 36.38954 | 2.7154 | 45.6246 | 33.6051 | -0.06904 | 49.53904 | 43.73066 | 10.05652 | 32.15348 |
| 7/31/2025 | 1:00:00 PM | 33.67748 | 51.93877 | 18.26129 | 29.11871 | 36.3967 | 2.71922 | 45.62078 | 33.6051 | -0.07238 | 49.54238 | 43.73423 | 10.05675 | 32.15325 |
| 7/31/2025 | 2:00:00 PM | 33.67748 | 51.87798 | 18.2005 | 29.1795 | 36.3967 | 2.71922 | 45.62078 | 33.60874 | -0.06874 | 49.53874 | 43.73066 | 10.05318 | 32.15682 |
| 7/31/2025 | 3:00:00 PM | 33.68083 | 51.87083 | 18.19 | 29.19 | 36.3967 | 2.71587 | 45.62413 | 33.60874 | -0.07209 | 49.54209 | 43.73423 | 10.0534 | 32.1566 |
| 7/31/2025 | 4:00:00 PM | 33.66745 | 51.84937 | 18.18192 | 29.19808 | 36.3967 | 2.72925 | 45.61075 | 33.60147 | -0.06598 | 49.53598 | 43.72709 | 10.05964 | 32.15036 |
| 7/31/2025 | 5:00:00 PM | 33.6708 | 51.84222 | 18.17142 | 29.20858 | 36.38954 | 2.71874 | 45.62126 | 33.59783 | -0.07297 | 49.54297 | 43.72709 | 10.05629 | 32.15371 |
| 7/31/2025 | 6:00:00 PM | 33.64404 | 51.81361 | 18.16957 | 29.21043 | 36.38954 | 2.7455 | 45.5945 | 33.5833 | -0.06074 | 49.53074 | 43.70566 | 10.06162 | 32.14838 |
| 7/31/2025 | 7:00:00 PM | 33.64739 | 51.79216 | 18.14477 | 29.23523 | 36.39312 | 2.74573 | 45.59427 | 33.5833 | -0.06409 | 49.53409 | 43.71638 | 10.06899 | 32.14101 |
| 7/31/2025 | 8:00:00 PM | 33.65742 | 51.79931 | 18.14189 | 29.23811 | 36.38596 | 2.72854 | 45.61146 | 33.5833 | -0.07412 | 49.54412 | 43.71638 | 10.05896 | 32.15104 |
| 7/31/2025 | 9:00:00 PM | 33.68417 | 51.82792 | 18.14375 | 29.23625 | 36.38954 | 2.70537 | 45.63463 | 33.6051 | -0.07907 | 49.54907 | 43.74138 | 10.05721 | 32.15279 |
| 7/31/2025 | 10:00:00 PM | 33.70089 | 51.85295 | 18.15206 | 29.22794 | 36.38954 | 2.68865 | 45.65135 | 33.61601 | -0.08488 | 49.55488 | 43.75566 | 10.05477 | 32.15523 |
| 7/31/2025 | 11:00:00 PM | 33.70424 | 51.84937 | 18.14513 | 29.23487 | 36.38238 | 2.67814 | 45.66186 | 33.63054 | -0.0737 | 49.5437 | 43.74495 | 10.04071 | 32.16929 |
| 8/1/2025 | 12:00:00 AM | 33.71092 | 51.85295 | 18.14203 | 29.23797 | 36.38954 | 2.67862 | 45.66138 | 33.63418 | -0.07674 | 49.54674 | 43.74138 | 10.03046 | 32.17954 |
| 8/1/2025 | 1:00:00 AM | 33.71092 | 51.87083 | 18.15991 | 29.22009 | 36.39312 | 2.6822 | 45.6578 | 33.63781 | -0.07311 | 49.54311 | 43.75566 | 10.04474 | 32.16526 |
| 8/1/2025 | 2:00:00 AM | 33.72096 | 51.87798 | 18.15702 | 29.22298 | 36.3967 | 2.67574 | 45.66426 | 33.64508 | -0.07588 | 49.54588 | 43.75566 | 10.0347 | 32.1753 |
| 8/1/2025 | 3:00:00 AM | 33.70758 | 51.88513 | 18.17755 | 29.20245 | 36.40386 | 2.69628 | 45.64372 | 33.63781 | -0.06977 | 49.53977 | 43.75566 | 10.04808 | 32.16192 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/1/2025 | 4:00:00 AM | 33.72764 | 51.90301 | 18.17537 | 29.20463 | 36.40028 | 2.67264 | 45.66736 | 33.64871 | -0.07893 | 49.54893 | 43.76638 | 10.03874 | 32.17126 |
| 8/1/2025 | 5:00:00 AM | 33.74102 | 51.93162 | 18.1906 | 29.1894 | 36.40386 | 2.66284 | 45.67716 | 33.65962 | -0.0814 | 49.5514 | 43.78066 | 10.03964 | 32.17036 |
| 8/1/2025 | 6:00:00 AM | 33.74436 | 51.94593 | 18.20157 | 29.17843 | 36.41102 | 2.66666 | 45.67334 | 33.66688 | -0.07748 | 49.54748 | 43.7878 | 10.04344 | 32.16656 |
| 8/1/2025 | 7:00:00 AM | 33.77112 | 51.99599 | 18.22487 | 29.15513 | 36.41817 | 2.64705 | 45.69295 | 33.68142 | -0.0897 | 49.5597 | 43.80566 | 10.03454 | 32.17546 |
| 8/1/2025 | 8:00:00 AM | 33.79452 | 52.02818 | 18.23366 | 29.14634 | 36.42175 | 2.62723 | 45.71277 | 33.70686 | -0.08766 | 49.55766 | 43.81995 | 10.02543 | 32.18457 |
| 8/1/2025 | 9:00:00 AM | 33.79452 | 52.04248 | 18.24796 | 29.13204 | 36.42533 | 2.63081 | 45.70919 | 33.71049 | -0.08403 | 49.55403 | 43.82352 | 10.029 | 32.181 |
| 8/1/2025 | 10:00:00 AM | 33.8079 | 52.05321 | 18.24531 | 29.13469 | 36.43249 | 2.62459 | 45.71541 | 33.72503 | -0.08287 | 49.55287 | 43.82709 | 10.01919 | 32.19081 |
| 8/1/2025 | 11:00:00 AM | 33.80456 | 52.06036 | 18.2558 | 29.1242 | 36.43965 | 2.63509 | 45.70491 | 33.7214 | -0.08316 | 49.55316 | 43.83423 | 10.02967 | 32.18033 |
| 8/1/2025 | 12:00:00 PM | 33.80456 | 52.06394 | 18.25938 | 29.12062 | 36.45039 | 2.64583 | 45.69417 | 33.7214 | -0.08316 | 49.55316 | 43.83066 | 10.0261 | 32.1839 |
| 8/1/2025 | 1:00:00 PM | 33.80456 | 52.05679 | 18.25223 | 29.12777 | 36.45397 | 2.64941 | 45.69059 | 33.7323 | -0.07226 | 49.54226 | 43.82709 | 10.02253 | 32.18747 |
| 8/1/2025 | 2:00:00 PM | 33.79787 | 52.04963 | 18.25176 | 29.12824 | 36.45397 | 2.6561 | 45.6839 | 33.71413 | -0.08374 | 49.55374 | 43.83066 | 10.03279 | 32.17721 |
| 8/1/2025 | 3:00:00 PM | 33.79118 | 52.03533 | 18.24415 | 29.13585 | 36.46471 | 2.67353 | 45.66647 | 33.7214 | -0.06978 | 49.53978 | 43.82709 | 10.03591 | 32.17409 |
| 8/1/2025 | 4:00:00 PM | 33.78449 | 52.01387 | 18.22938 | 29.15062 | 36.46829 | 2.6838 | 45.6562 | 33.71413 | -0.07036 | 49.54036 | 43.82709 | 10.0426 | 32.1674 |
| 8/1/2025 | 5:00:00 PM | 33.7778 | 52.00314 | 18.22534 | 29.15466 | 36.46113 | 2.68333 | 45.65667 | 33.71413 | -0.06367 | 49.53367 | 43.81995 | 10.04215 | 32.16785 |
| 8/1/2025 | 6:00:00 PM | 33.78115 | 51.98526 | 18.20411 | 29.17589 | 36.46471 | 2.68356 | 45.65644 | 33.71413 | -0.06702 | 49.53702 | 43.82352 | 10.04237 | 32.16763 |
| 8/1/2025 | 7:00:00 PM | 33.78449 | 51.97811 | 18.19362 | 29.18638 | 36.47545 | 2.69096 | 45.64904 | 33.71049 | -0.074 | 49.544 | 43.82352 | 10.03903 | 32.17097 |
| 8/1/2025 | 8:00:00 PM | 33.81124 | 51.98884 | 18.1776 | 29.2024 | 36.47545 | 2.66421 | 45.67579 | 33.72503 | -0.08621 | 49.55621 | 43.84495 | 10.03371 | 32.17629 |
| 8/1/2025 | 9:00:00 PM | 33.82128 | 52.02102 | 18.19974 | 29.18026 | 36.47545 | 2.65417 | 45.68583 | 33.72866 | -0.09262 | 49.56262 | 43.85209 | 10.03081 | 32.17919 |
| 8/1/2025 | 10:00:00 PM | 33.83131 | 52.03175 | 18.20044 | 29.17956 | 36.47545 | 2.64414 | 45.69586 | 33.7541 | -0.07721 | 49.54721 | 43.85566 | 10.02435 | 32.18565 |
| 8/1/2025 | 11:00:00 PM | 33.83465 | 51.99957 | 18.16492 | 29.21508 | 36.48619 | 2.65154 | 45.68846 | 33.75047 | -0.08418 | 49.55418 | 43.85566 | 10.02101 | 32.18899 |
| 8/2/2025 | 12:00:00 AM | 33.83465 | 52.0103 | 18.17565 | 29.20435 | 36.48619 | 2.65154 | 45.68846 | 33.75774 | -0.07691 | 49.54691 | 43.85923 | 10.02458 | 32.18542 |
| 8/2/2025 | 1:00:00 AM | 33.84134 | 52.0246 | 18.18326 | 29.19674 | 36.48977 | 2.64843 | 45.69157 | 33.76501 | -0.07633 | 49.54633 | 43.86637 | 10.02503 | 32.18497 |
| 8/2/2025 | 2:00:00 AM | 33.84468 | 52.03533 | 18.19065 | 29.18935 | 36.5005 | 2.65582 | 45.68418 | 33.76137 | -0.08331 | 49.55331 | 43.86994 | 10.02526 | 32.18474 |
| 8/2/2025 | 3:00:00 AM | 33.8614 | 52.05679 | 18.19539 | 29.18461 | 36.49692 | 2.63552 | 45.70448 | 33.76864 | -0.09276 | 49.56276 | 43.88066 | 10.01926 | 32.19074 |
| 8/2/2025 | 4:00:00 AM | 33.85806 | 52.07467 | 18.21661 | 29.16339 | 36.51124 | 2.65318 | 45.68682 | 33.78318 | -0.07488 | 49.54488 | 43.87709 | 10.01903 | 32.19097 |
| 8/2/2025 | 5:00:00 AM | 33.8614 | 52.08897 | 18.22757 | 29.15243 | 36.5184 | 2.657 | 45.683 | 33.77954 | -0.08186 | 49.55186 | 43.89137 | 10.02997 | 32.18003 |
| 8/2/2025 | 6:00:00 AM | 33.86475 | 52.0103 | 18.14555 | 29.23445 | 36.50766 | 2.64291 | 45.69709 | 33.78318 | -0.08157 | 49.55157 | 43.89494 | 10.03019 | 32.17981 |
| 8/2/2025 | 7:00:00 AM | 33.88147 | 51.98526 | 18.10379 | 29.27621 | 36.5184 | 2.63693 | 45.70307 | 33.80135 | -0.08012 | 49.55012 | 43.90209 | 10.02062 | 32.18938 |
| 8/2/2025 | 8:00:00 AM | 33.89819 | 52.01387 | 18.11568 | 29.26432 | 36.53272 | 2.63453 | 45.70547 | 33.80135 | -0.09684 | 49.56684 | 43.92351 | 10.02532 | 32.18468 |
| 8/2/2025 | 9:00:00 AM | 33.91156 | 52.04248 | 18.13092 | 29.24908 | 36.53988 | 2.62832 | 45.71168 | 33.81952 | -0.09204 | 49.56204 | 43.92709 | 10.01553 | 32.19447 |
| 8/2/2025 | 10:00:00 AM | 33.90488 | 52.05321 | 18.14833 | 29.23167 | 36.5363 | 2.63142 | 45.70858 | 33.82315 | -0.08173 | 49.55173 | 43.92351 | 10.01863 | 32.19137 |
| 8/2/2025 | 11:00:00 AM | 33.91491 | 52.06394 | 18.14903 | 29.23097 | 36.54346 | 2.62855 | 45.71145 | 33.83042 | -0.08449 | 49.55449 | 43.93423 | 10.01932 | 32.19068 |
| 8/2/2025 | 12:00:00 PM | 33.90822 | 52.06751 | 18.15929 | 29.22071 | 36.55062 | 2.6424 | 45.6976 | 33.82315 | -0.08507 | 49.55507 | 43.92351 | 10.01529 | 32.19471 |
| 8/2/2025 | 1:00:00 PM | 33.90488 | 52.07467 | 18.16979 | 29.21021 | 36.55778 | 2.6529 | 45.6871 | 33.83042 | -0.07446 | 49.54446 | 43.9378 | 10.03292 | 32.17708 |
| 8/2/2025 | 2:00:00 PM | 33.89819 | 52.08182 | 18.18363 | 29.19637 | 36.5542 | 2.65601 | 45.68399 | 33.83042 | -0.06777 | 49.53777 | 43.92351 | 10.02532 | 32.18468 |
| 8/2/2025 | 3:00:00 PM | 33.89819 | 52.08182 | 18.18363 | 29.19637 | 36.56494 | 2.66675 | 45.67325 | 33.81952 | -0.07867 | 49.54867 | 43.93066 | 10.03247 | 32.17753 |
| 8/2/2025 | 4:00:00 PM | 33.88481 | 52.07824 | 18.19343 | 29.18657 | 36.56852 | 2.68371 | 45.65629 | 33.81588 | -0.06893 | 49.53893 | 43.91994 | 10.03513 | 32.17487 |
| 8/2/2025 | 5:00:00 PM | 33.87812 | 52.06394 | 18.18582 | 29.19418 | 36.56852 | 2.6904 | 45.6496 | 33.80498 | -0.07314 | 49.54314 | 43.91637 | 10.03825 | 32.17175 |
| 8/2/2025 | 6:00:00 PM | 33.85806 | 52.04963 | 18.19157 | 29.18843 | 36.56852 | 2.71046 | 45.62954 | 33.79771 | -0.06035 | 49.53035 | 43.89852 | 10.04046 | 32.16954 |
| 8/2/2025 | 7:00:00 PM | 33.84468 | 52.03533 | 18.19065 | 29.18935 | 36.57209 | 2.72741 | 45.61259 | 33.79045 | -0.05423 | 49.52423 | 43.8878 | 10.04312 | 32.16688 |
| 8/2/2025 | 8:00:00 PM | 33.83131 | 52.0103 | 18.17899 | 29.20101 | 36.57567 | 2.74436 | 45.59564 | 33.77591 | -0.0554 | 49.5254 | 43.88066 | 10.04935 | 32.16065 |
| 8/2/2025 | 9:00:00 PM | 33.83131 | 52.02102 | 18.18971 | 29.19029 | 36.56494 | 2.73363 | 45.60637 | 33.76864 | -0.06267 | 49.53267 | 43.8878 | 10.05649 | 32.15351 |
| 8/2/2025 | 10:00:00 PM | 33.83131 | 52.02102 | 18.18971 | 29.19029 | 36.56852 | 2.73721 | 45.60279 | 33.76864 | -0.06267 | 49.53267 | 43.88423 | 10.05292 | 32.15708 |
| 8/2/2025 | 11:00:00 PM | 33.82128 | 52.01387 | 18.19259 | 29.18741 | 36.57209 | 2.75081 | 45.58919 | 33.76137 | -0.05991 | 49.52991 | 43.87709 | 10.05581 | 32.15419 |
| 8/3/2025 | 12:00:00 AM | 33.83465 | 52.02818 | 18.19353 | 29.18647 | 36.55778 | 2.72313 | 45.61687 | 33.76501 | -0.06964 | 49.53964 | 43.88423 | 10.04958 | 32.16042 |
| 8/3/2025 | 1:00:00 AM | 33.82796 | 52.0389 | 18.21094 | 29.16906 | 36.55778 | 2.72982 | 45.61018 | 33.76501 | -0.06295 | 49.53295 | 43.87709 | 10.04913 | 32.16087 |
| 8/3/2025 | 2:00:00 AM | 33.81459 | 52.03175 | 18.21716 | 29.16284 | 36.55778 | 2.74319 | 45.59681 | 33.75047 | -0.06412 | 49.53412 | 43.86994 | 10.05535 | 32.15465 |
| 8/3/2025 | 3:00:00 AM | 33.81124 | 52.03533 | 18.22409 | 29.15591 | 36.55062 | 2.73938 | 45.60062 | 33.74684 | -0.0644 | 49.5344 | 43.86637 | 10.05513 | 32.15487 |
| 8/3/2025 | 4:00:00 AM | 33.81793 | 52.04606 | 18.22813 | 29.15187 | 36.55062 | 2.73269 | 45.60731 | 33.74684 | -0.07109 | 49.54109 | 43.86637 | 10.04844 | 32.16156 |
| 8/3/2025 | 5:00:00 AM | 33.81793 | 52.05321 | 18.23528 | 29.14472 | 36.55062 | 2.73269 | 45.60731 | 33.74684 | -0.07109 | 49.54109 | 43.8628 | 10.04487 | 32.16513 |
| 8/3/2025 | 6:00:00 AM | 33.81459 | 52.05321 | 18.23862 | 29.14138 | 36.54346 | 2.72887 | 45.61113 | 33.74684 | -0.06775 | 49.53775 | 43.85209 | 10.0375 | 32.1725 |
| 8/3/2025 | 7:00:00 AM | 33.8079 | 52.06394 | 18.25604 | 29.12396 | 36.53988 | 2.73198 | 45.60802 | 33.74684 | -0.06106 | 49.53106 | 43.85566 | 10.04776 | 32.16224 |
| 8/3/2025 | 8:00:00 AM | 33.80456 | 52.06751 | 18.26295 | 29.11705 | 36.5363 | 2.73174 | 45.60826 | 33.7432 | -0.06136 | 49.53136 | 43.85566 | 10.0511 | 32.1589 |
| 8/3/2025 | 9:00:00 AM | 33.80456 | 52.06751 | 18.26295 | 29.11705 | 36.5363 | 2.73174 | 45.60826 | 33.7323 | -0.07226 | 49.54226 | 43.85209 | 10.04753 | 32.16247 |
| 8/3/2025 | 10:00:00 AM | 33.80456 | 52.07824 | 18.27368 | 29.10632 | 36.5363 | 2.73174 | 45.60826 | 33.73593 | -0.06863 | 49.53863 | 43.84852 | 10.04396 | 32.16604 |
| 8/3/2025 | 11:00:00 AM | 33.79787 | 52.08182 | 18.28395 | 29.09605 | 36.53272 | 2.73485 | 45.60515 | 33.7323 | -0.06557 | 49.53557 | 43.84137 | 10.0435 | 32.1665 |
| 8/3/2025 | 12:00:00 PM | 33.79118 | 52.07824 | 18.28706 | 29.09294 | 36.52914 | 2.73796 | 45.60204 | 33.72866 | -0.06252 | 49.53252 | 43.84137 | 10.05019 | 32.15981 |
| 8/3/2025 | 1:00:00 PM | 33.78449 | 52.08182 | 18.29733 | 29.08267 | 36.52556 | 2.74107 | 45.59893 | 33.72503 | -0.05946 | 49.52946 | 43.83423 | 10.04974 | 32.16026 |
| 8/3/2025 | 2:00:00 PM | 33.78115 | 52.07467 | 18.29352 | 29.08648 | 36.52198 | 2.74083 | 45.59917 | 33.71776 | -0.06339 | 49.53339 | 43.82709 | 10.04594 | 32.16406 |
| 8/3/2025 | 3:00:00 PM | 33.7778 | 52.06394 | 18.28614 | 29.09386 | 36.51482 | 2.73702 | 45.60298 | 33.71413 | -0.06367 | 49.53367 | 43.82352 | 10.04572 | 32.16428 |
| 8/3/2025 | 4:00:00 PM | 33.76108 | 52.04963 | 18.28855 | 29.09145 | 36.5184 | 2.75732 | 45.58268 | 33.69959 | -0.06149 | 49.53149 | 43.80923 | 10.04815 | 32.16185 |
| 8/3/2025 | 5:00:00 PM | 33.74771 | 52.03533 | 18.28762 | 29.09238 | 36.51482 | 2.76711 | 45.57289 | 33.69596 | -0.05175 | 49.52175 | 43.80209 | 10.05438 | 32.15562 |
| 8/3/2025 | 6:00:00 PM | 33.73099 | 52.0103 | 18.27931 | 29.10069 | 36.50766 | 2.77667 | 45.56333 | 33.67779 | -0.0532 | 49.5232 | 43.78423 | 10.05324 | 32.15676 |
| 8/3/2025 | 7:00:00 PM | 33.7243 | 51.99957 | 18.27527 | 29.10473 | 36.49692 | 2.77262 | 45.56738 | 33.66325 | -0.06105 | 49.53105 | 43.78066 | 10.05636 | 32.15364 |
| 8/3/2025 | 8:00:00 PM | 33.71427 | 51.98169 | 18.26742 | 29.11258 | 36.49334 | 2.77907 | 45.56093 | 33.65235 | -0.06192 | 49.53192 | 43.76638 | 10.05211 | 32.15789 |
| 8/3/2025 | 9:00:00 PM | 33.71092 | 51.98526 | 18.27434 | 29.10566 | 36.48619 | 2.77527 | 45.56473 | 33.65235 | -0.05857 | 49.52857 | 43.76638 | 10.05546 | 32.15454 |
| 8/3/2025 | 10:00:00 PM | 33.70424 | 51.98526 | 18.28102 | 29.09898 | 36.48261 | 2.77837 | 45.56163 | 33.65235 | -0.05189 | 49.52189 | 43.76638 | 10.06214 | 32.14786 |
| 8/3/2025 | 11:00:00 PM | 33.70424 | 51.97811 | 18.27387 | 29.10613 | 36.47903 | 2.77479 | 45.56521 | 33.64871 | -0.05553 | 49.52553 | 43.75923 | 10.05499 | 32.15501 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/4/2025 | 12:00:00 AM | 33.71092 | 51.98169 | 18.27077 | 29.10923 | 36.47187 | 2.76095 | 45.57905 | 33.64144 | -0.06948 | 49.53948 | 43.75209 | 10.04117 | 32.16883 |
| 8/4/2025 | 1:00:00 AM | 33.70424 | 51.97811 | 18.27387 | 29.10613 | 36.45755 | 2.75331 | 45.58669 | 33.64144 | -0.0628 | 49.5328 | 43.75209 | 10.04785 | 32.16215 |
| 8/4/2025 | 2:00:00 AM | 33.70089 | 51.98169 | 18.2808 | 29.0992 | 36.46113 | 2.76024 | 45.57976 | 33.63781 | -0.06308 | 49.53308 | 43.74495 | 10.04406 | 32.16594 |
| 8/4/2025 | 3:00:00 AM | 33.69086 | 51.97454 | 18.28368 | 29.09632 | 36.45039 | 2.75953 | 45.58047 | 33.62691 | -0.06395 | 49.53395 | 43.74138 | 10.05052 | 32.15948 |
| 8/4/2025 | 4:00:00 AM | 33.68752 | 51.98169 | 18.29417 | 29.08583 | 36.45397 | 2.76645 | 45.57355 | 33.62691 | -0.06061 | 49.53061 | 43.73423 | 10.04671 | 32.16329 |
| 8/4/2025 | 5:00:00 AM | 33.69755 | 51.99242 | 18.29487 | 29.08513 | 36.43607 | 2.73852 | 45.60148 | 33.62327 | -0.07428 | 49.54428 | 43.74495 | 10.0474 | 32.1626 |
| 8/4/2025 | 6:00:00 AM | 33.71092 | 52.01387 | 18.30295 | 29.07705 | 36.43607 | 2.72515 | 45.61485 | 33.63418 | -0.07674 | 49.54674 | 43.74852 | 10.0376 | 32.1724 |
| 8/4/2025 | 7:00:00 AM | 33.70424 | 52.01387 | 18.30963 | 29.07037 | 36.43607 | 2.73183 | 45.60817 | 33.64144 | -0.0628 | 49.5328 | 43.74852 | 10.04428 | 32.16572 |
| 8/4/2025 | 8:00:00 AM | 33.70758 | 52.02102 | 18.31344 | 29.06656 | 36.43607 | 2.72849 | 45.61151 | 33.63781 | -0.06977 | 49.53977 | 43.74852 | 10.04094 | 32.16906 |
| 8/4/2025 | 9:00:00 AM | 33.70758 | 52.0246 | 18.31702 | 29.06298 | 36.43249 | 2.72491 | 45.61509 | 33.63054 | -0.07704 | 49.54704 | 43.74495 | 10.03737 | 32.17263 |
| 8/4/2025 | 10:00:00 AM | 33.69755 | 52.03175 | 18.3342 | 29.0458 | 36.42533 | 2.72778 | 45.61222 | 33.63054 | -0.06701 | 49.53701 | 43.73781 | 10.04026 | 32.16974 |
| 8/4/2025 | 11:00:00 AM | 33.70424 | 52.04606 | 18.34182 | 29.03818 | 36.42533 | 2.72109 | 45.61891 | 33.62691 | -0.07733 | 49.54733 | 43.73781 | 10.03357 | 32.17643 |
| 8/4/2025 | 12:00:00 PM | 33.70089 | 52.04248 | 18.34159 | 29.03841 | 36.4146 | 2.71371 | 45.62629 | 33.63418 | -0.06671 | 49.53671 | 43.74138 | 10.04049 | 32.16951 |
| 8/4/2025 | 1:00:00 PM | 33.70089 | 52.04606 | 18.34517 | 29.03483 | 36.42533 | 2.72444 | 45.61556 | 33.63418 | -0.06671 | 49.53671 | 43.74138 | 10.04049 | 32.16951 |
| 8/4/2025 | 2:00:00 PM | 33.6942 | 52.0389 | 18.3447 | 29.0353 | 36.4146 | 2.7204 | 45.6196 | 33.62691 | -0.06729 | 49.53729 | 43.72709 | 10.03289 | 32.17711 |
| 8/4/2025 | 3:00:00 PM | 33.68083 | 52.02818 | 18.34735 | 29.03265 | 36.41817 | 2.73734 | 45.60266 | 33.61964 | -0.06119 | 49.53119 | 43.71638 | 10.03555 | 32.17445 |
| 8/4/2025 | 4:00:00 PM | 33.66411 | 52.01745 | 18.35334 | 29.02666 | 36.41102 | 2.74691 | 45.59309 | 33.61237 | -0.05174 | 49.52174 | 43.71281 | 10.0487 | 32.1613 |
| 8/4/2025 | 5:00:00 PM | 33.65742 | 51.98884 | 18.33142 | 29.04858 | 36.41102 | 2.7536 | 45.5864 | 33.5942 | -0.06322 | 49.53322 | 43.69495 | 10.03753 | 32.17247 |
| 8/4/2025 | 6:00:00 PM | 33.64739 | 51.98169 | 18.3343 | 29.0457 | 36.40386 | 2.75647 | 45.58353 | 33.57966 | -0.06773 | 49.53773 | 43.69495 | 10.04756 | 32.16244 |
| 8/4/2025 | 7:00:00 PM | 33.63736 | 51.97096 | 18.3336 | 29.0464 | 36.40028 | 2.76292 | 45.57708 | 33.5833 | -0.05406 | 49.52406 | 43.69495 | 10.05759 | 32.15241 |
| 8/4/2025 | 8:00:00 PM | 33.65073 | 51.96023 | 18.3095 | 29.0705 | 36.38596 | 2.73523 | 45.60477 | 33.5833 | -0.06743 | 49.53743 | 43.69495 | 10.04422 | 32.16578 |
| 8/4/2025 | 9:00:00 PM | 33.65742 | 51.96738 | 18.30996 | 29.07004 | 36.39312 | 2.7357 | 45.6043 | 33.59057 | -0.06685 | 49.53685 | 43.69138 | 10.03396 | 32.17604 |
| 8/4/2025 | 10:00:00 PM | 33.67414 | 51.97454 | 18.3004 | 29.0796 | 36.38596 | 2.71182 | 45.62818 | 33.5942 | -0.07994 | 49.54994 | 43.70209 | 10.02795 | 32.18205 |
| 8/4/2025 | 11:00:00 PM | 33.67748 | 51.96738 | 18.2899 | 29.0901 | 36.37522 | 2.69774 | 45.64226 | 33.59783 | -0.07965 | 49.54965 | 43.69495 | 10.01747 | 32.19253 |
| 8/5/2025 | 12:00:00 AM | 33.67748 | 51.97454 | 18.29706 | 29.08294 | 36.38238 | 2.7049 | 45.6351 | 33.6051 | -0.07238 | 49.54238 | 43.70209 | 10.02461 | 32.18539 |
| 8/5/2025 | 1:00:00 AM | 33.66745 | 51.97454 | 18.30709 | 29.07291 | 36.3788 | 2.71135 | 45.62865 | 33.59783 | -0.06962 | 49.53962 | 43.69495 | 10.0275 | 32.1825 |
| 8/5/2025 | 2:00:00 AM | 33.66745 | 51.97811 | 18.31066 | 29.06934 | 36.37164 | 2.70419 | 45.63581 | 33.59783 | -0.06962 | 49.53962 | 43.69138 | 10.02393 | 32.18607 |
| 8/5/2025 | 3:00:00 AM | 33.66411 | 51.97096 | 18.30685 | 29.07315 | 36.37522 | 2.71111 | 45.62889 | 33.59783 | -0.06628 | 49.53628 | 43.68781 | 10.0237 | 32.1863 |
| 8/5/2025 | 4:00:00 AM | 33.6708 | 51.98884 | 18.31804 | 29.06196 | 36.37522 | 2.70442 | 45.63558 | 33.59783 | -0.07297 | 49.54297 | 43.69852 | 10.02772 | 32.18228 |
| 8/5/2025 | 5:00:00 AM | 33.65742 | 51.99242 | 18.335 | 29.045 | 36.37164 | 2.71422 | 45.62578 | 33.59783 | -0.05959 | 49.52959 | 43.68781 | 10.03039 | 32.17961 |
| 8/5/2025 | 6:00:00 AM | 33.66411 | 51.99599 | 18.33188 | 29.04812 | 36.37522 | 2.71111 | 45.62889 | 33.60147 | -0.06264 | 49.53264 | 43.69138 | 10.02727 | 32.18273 |
| 8/5/2025 | 7:00:00 AM | 33.68417 | 52.01745 | 18.33328 | 29.04672 | 36.37164 | 2.68747 | 45.65253 | 33.60147 | -0.0827 | 49.5527 | 43.70566 | 10.02149 | 32.18851 |
| 8/5/2025 | 8:00:00 AM | 33.69755 | 52.03533 | 18.33778 | 29.04222 | 36.36806 | 2.67051 | 45.66949 | 33.61964 | -0.07791 | 49.54791 | 43.71638 | 10.01883 | 32.19117 |
| 8/5/2025 | 9:00:00 AM | 33.70424 | 52.04963 | 18.34539 | 29.03461 | 36.36806 | 2.66382 | 45.67618 | 33.61601 | -0.08823 | 49.55823 | 43.71638 | 10.01214 | 32.19786 |
| 8/5/2025 | 10:00:00 AM | 33.70424 | 52.05679 | 18.35255 | 29.02745 | 36.37522 | 2.67098 | 45.66902 | 33.63054 | -0.0737 | 49.5437 | 43.71638 | 10.01214 | 32.19786 |
| 8/5/2025 | 11:00:00 AM | 33.6942 | 52.06036 | 18.36616 | 29.01384 | 36.36806 | 2.67386 | 45.66614 | 33.62691 | -0.06729 | 49.53729 | 43.71281 | 10.01861 | 32.19139 |
| 8/5/2025 | 12:00:00 PM | 33.68417 | 52.04606 | 18.36189 | 29.01811 | 36.37522 | 2.69105 | 45.64895 | 33.61237 | -0.0718 | 49.5418 | 43.69138 | 10.00721 | 32.20279 |
| 8/5/2025 | 1:00:00 PM | 33.66745 | 52.03533 | 18.36788 | 29.01212 | 36.37164 | 2.70419 | 45.63581 | 33.60874 | -0.05871 | 49.52871 | 43.69138 | 10.02393 | 32.18607 |
| 8/5/2025 | 2:00:00 PM | 33.6708 | 52.02818 | 18.35738 | 29.02262 | 36.36806 | 2.69726 | 45.64274 | 33.60874 | -0.06206 | 49.53206 | 43.69138 | 10.02058 | 32.18942 |
| 8/5/2025 | 3:00:00 PM | 33.65408 | 52.02818 | 18.3741 | 29.0059 | 36.37522 | 2.72114 | 45.61886 | 33.5942 | -0.05988 | 49.52988 | 43.68067 | 10.02659 | 32.18341 |
| 8/5/2025 | 4:00:00 PM | 33.65073 | 52.01745 | 18.36672 | 29.01328 | 36.36806 | 2.71733 | 45.62267 | 33.57966 | -0.07107 | 49.54107 | 43.68424 | 10.03351 | 32.17649 |
| 8/5/2025 | 5:00:00 PM | 33.64739 | 52.00314 | 18.35575 | 29.02425 | 36.36448 | 2.71709 | 45.62291 | 33.57966 | -0.06773 | 49.53773 | 43.67709 | 10.0297 | 32.1803 |
| 8/5/2025 | 6:00:00 PM | 33.6407 | 51.98526 | 18.34456 | 29.03544 | 36.3609 | 2.7202 | 45.6198 | 33.5833 | -0.0574 | 49.5274 | 43.66638 | 10.02568 | 32.18432 |
| 8/5/2025 | 7:00:00 PM | 33.6407 | 51.86725 | 18.22655 | 29.15345 | 36.36448 | 2.72378 | 45.61622 | 33.5833 | -0.0574 | 49.5274 | 43.66281 | 10.02211 | 32.18789 |
| 8/5/2025 | 8:00:00 PM | 33.65742 | 51.87083 | 18.21341 | 29.16659 | 36.35732 | 2.6999 | 45.6401 | 33.5833 | -0.07412 | 49.54412 | 43.67709 | 10.01967 | 32.19033 |
| 8/5/2025 | 9:00:00 PM | 33.6708 | 51.86725 | 18.19645 | 29.18355 | 36.35732 | 2.68652 | 45.65348 | 33.5942 | -0.0766 | 49.5466 | 43.68781 | 10.01701 | 32.19299 |
| 8/5/2025 | 10:00:00 PM | 33.67414 | 51.85653 | 18.18239 | 29.19761 | 36.35374 | 2.6796 | 45.6604 | 33.60147 | -0.07267 | 49.54267 | 43.67352 | 9.99938 | 32.21062 |
| 8/5/2025 | 11:00:00 PM | 33.66411 | 51.86368 | 18.19957 | 29.18043 | 36.35374 | 2.68963 | 45.65037 | 33.5942 | -0.06991 | 49.53991 | 43.67709 | 10.01298 | 32.19702 |
| 8/6/2025 | 12:00:00 AM | 33.6708 | 51.86725 | 18.19645 | 29.18355 | 36.3609 | 2.6901 | 45.6499 | 33.5942 | -0.0766 | 49.5466 | 43.68067 | 10.00987 | 32.20013 |
| 8/6/2025 | 1:00:00 AM | 33.66076 | 51.86368 | 18.20292 | 29.17708 | 36.35016 | 2.6894 | 45.6506 | 33.59783 | -0.06293 | 49.53293 | 43.67709 | 10.01633 | 32.19367 |
| 8/6/2025 | 2:00:00 AM | 33.66076 | 51.87083 | 18.21007 | 29.16993 | 36.35374 | 2.69298 | 45.64702 | 33.59057 | -0.07019 | 49.54019 | 43.67352 | 10.01276 | 32.19724 |
| 8/6/2025 | 3:00:00 AM | 33.66076 | 51.88513 | 18.22437 | 29.15563 | 36.35016 | 2.6894 | 45.6506 | 33.5942 | -0.06656 | 49.53656 | 43.67352 | 10.01276 | 32.19724 |
| 8/6/2025 | 4:00:00 AM | 33.65742 | 51.89229 | 18.23487 | 29.14513 | 36.35732 | 2.6999 | 45.6401 | 33.58693 | -0.07049 | 49.54049 | 43.67352 | 10.0161 | 32.1939 |
| 8/6/2025 | 5:00:00 AM | 33.66076 | 51.89944 | 18.23868 | 29.14132 | 36.35016 | 2.6894 | 45.6506 | 33.58693 | -0.07383 | 49.54383 | 43.68067 | 10.01991 | 32.19009 |
| 8/6/2025 | 6:00:00 AM | 33.66745 | 51.91017 | 18.24272 | 29.13728 | 36.35016 | 2.68271 | 45.65729 | 33.58693 | -0.08052 | 49.55052 | 43.67352 | 10.00607 | 32.20393 |
| 8/6/2025 | 7:00:00 AM | 33.6708 | 51.9352 | 18.2644 | 29.1156 | 36.35016 | 2.67936 | 45.66064 | 33.59783 | -0.07297 | 49.54297 | 43.69138 | 10.02058 | 32.18942 |
| 8/6/2025 | 8:00:00 AM | 33.67748 | 51.9495 | 18.27202 | 29.10798 | 36.35016 | 2.67268 | 45.66732 | 33.60147 | -0.07601 | 49.54601 | 43.68781 | 10.01033 | 32.19967 |
| 8/6/2025 | 9:00:00 AM | 33.6708 | 51.96381 | 18.29301 | 29.08699 | 36.34658 | 2.67578 | 45.66422 | 33.6051 | -0.0657 | 49.5357 | 43.68781 | 10.01701 | 32.19299 |
| 8/6/2025 | 10:00:00 AM | 33.68083 | 51.97811 | 18.29728 | 29.08272 | 36.35016 | 2.66933 | 45.67067 | 33.60147 | -0.07936 | 49.54936 | 43.69138 | 10.01055 | 32.19945 |
| 8/6/2025 | 11:00:00 AM | 33.6942 | 52.00314 | 18.30894 | 29.07106 | 36.35374 | 2.65954 | 45.68046 | 33.61237 | -0.08183 | 49.55183 | 43.69495 | 10.00075 | 32.20925 |
| 8/6/2025 | 12:00:00 PM | 33.70424 | 51.99242 | 18.28818 | 29.09182 | 36.35732 | 2.65308 | 45.68692 | 33.62327 | -0.08097 | 49.55097 | 43.71638 | 10.01214 | 32.19786 |
| 8/6/2025 | 1:00:00 PM | 33.69755 | 52.00314 | 18.30559 | 29.07441 | 36.35732 | 2.65977 | 45.68023 | 33.62691 | -0.07064 | 49.54064 | 43.70924 | 10.01169 | 32.19831 |
| 8/6/2025 | 2:00:00 PM | 33.70758 | 52.02818 | 18.3206 | 29.0594 | 36.35732 | 2.64974 | 45.69026 | 33.63418 | -0.0734 | 49.5434 | 43.71281 | 10.00523 | 32.20477 |
| 8/6/2025 | 3:00:00 PM | 33.71761 | 52.04606 | 18.32845 | 29.05155 | 36.35374 | 2.63613 | 45.70387 | 33.63418 | -0.08343 | 49.55343 | 43.71995 | 10.00234 | 32.20766 |
| 8/6/2025 | 4:00:00 PM | 33.71761 | 52.05679 | 18.33918 | 29.04082 | 36.36806 | 2.65045 | 45.68955 | 33.63781 | -0.0798 | 49.5498 | 43.71638 | 9.99877 | 32.21123 |
| 8/6/2025 | 5:00:00 PM | 33.70424 | 52.06036 | 18.35612 | 29.02388 | 36.37164 | 2.6674 | 45.6726 | 33.63418 | -0.07006 | 49.54006 | 43.71638 | 10.01214 | 32.19786 |
| 8/6/2025 | 6:00:00 PM | 33.69755 | 52.06394 | 18.36639 | 29.01361 | 36.37522 | 2.67767 | 45.66233 | 33.62327 | -0.07428 | 49.54428 | 43.71281 | 10.01526 | 32.19474 |
| 8/6/2025 | 7:00:00 PM | 33.70758 | 52.07109 | 18.36351 | 29.01649 | 36.37522 | 2.66764 | 45.67236 | 33.63418 | -0.0734 | 49.5434 | 43.71638 | 10.0088 | 32.2012 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/6/2025 | 8:00:00 PM | 33.70758 | 52.08539 | 18.37781 | 29.00219 | 36.37164 | 2.66406 | 45.67594 | 33.63781 | -0.06977 | 49.53977 | 43.72352 | 10.01594 | 32.19406 |
| 8/6/2025 | 9:00:00 PM | 33.72764 | 52.10685 | 18.37921 | 29.00079 | 36.3788 | 2.65116 | 45.68884 | 33.64508 | -0.08256 | 49.55256 | 43.73781 | 10.01017 | 32.19983 |
| 8/6/2025 | 10:00:00 PM | 33.74102 | 52.10685 | 18.36583 | 29.01417 | 36.37522 | 2.6342 | 45.7058 | 33.66325 | -0.07777 | 49.54777 | 43.75566 | 10.01464 | 32.19536 |
| 8/6/2025 | 11:00:00 PM | 33.76443 | 52.12831 | 18.36388 | 29.01612 | 36.38596 | 2.62153 | 45.71847 | 33.67415 | -0.09028 | 49.56028 | 43.77352 | 10.00909 | 32.20091 |
| 8/7/2025 | 12:00:00 AM | 33.76777 | 52.13546 | 18.36769 | 29.01231 | 36.38238 | 2.61461 | 45.72539 | 33.68142 | -0.08635 | 49.55635 | 43.76281 | 9.99504 | 32.21496 |
| 8/7/2025 | 1:00:00 AM | 33.77446 | 52.15334 | 18.37888 | 29.00112 | 36.39312 | 2.61866 | 45.72134 | 33.68505 | -0.08941 | 49.55941 | 43.76638 | 9.99192 | 32.21808 |
| 8/7/2025 | 2:00:00 AM | 33.77446 | 52.14976 | 18.3753 | 29.0047 | 36.3967 | 2.62224 | 45.71776 | 33.69596 | -0.0785 | 49.5485 | 43.76995 | 9.99549 | 32.21451 |
| 8/7/2025 | 3:00:00 AM | 33.78784 | 52.17122 | 18.38338 | 28.99662 | 36.40744 | 2.6196 | 45.7204 | 33.69959 | -0.08825 | 49.55825 | 43.78423 | 9.99639 | 32.21361 |
| 8/7/2025 | 4:00:00 AM | 33.77446 | 52.17122 | 18.39676 | 28.98324 | 36.40744 | 2.63298 | 45.70702 | 33.69232 | -0.08214 | 49.55214 | 43.7878 | 10.01334 | 32.19666 |
| 8/7/2025 | 5:00:00 AM | 33.78784 | 52.18195 | 18.39411 | 28.98589 | 36.40744 | 2.6196 | 45.7204 | 33.71049 | -0.07735 | 49.54735 | 43.79138 | 10.00354 | 32.20646 |
| 8/7/2025 | 6:00:00 AM | 33.79787 | 52.19625 | 18.39838 | 28.98162 | 36.4146 | 2.61673 | 45.72327 | 33.71413 | -0.08374 | 49.55374 | 43.79852 | 10.00065 | 32.20935 |
| 8/7/2025 | 7:00:00 AM | 33.80456 | 52.21771 | 18.41315 | 28.96685 | 36.42175 | 2.61719 | 45.72281 | 33.72503 | -0.07953 | 49.54953 | 43.80923 | 10.00467 | 32.20533 |
| 8/7/2025 | 8:00:00 AM | 33.81793 | 52.22844 | 18.41051 | 28.96949 | 36.42891 | 2.61098 | 45.72902 | 33.73593 | -0.082 | 49.552 | 43.8128 | 9.99487 | 32.21513 |
| 8/7/2025 | 9:00:00 AM | 33.84468 | 52.25347 | 18.40879 | 28.97121 | 36.42891 | 2.58423 | 45.75577 | 33.74684 | -0.09784 | 49.56784 | 43.82709 | 9.98241 | 32.22759 |
| 8/7/2025 | 10:00:00 AM | 33.84803 | 52.26062 | 18.41259 | 28.96741 | 36.43607 | 2.58804 | 45.75196 | 33.76137 | -0.08666 | 49.55666 | 43.83423 | 9.9862 | 32.2238 |
| 8/7/2025 | 11:00:00 AM | 33.85472 | 52.27135 | 18.41663 | 28.96337 | 36.44323 | 2.58851 | 45.75149 | 33.76864 | -0.08608 | 49.55608 | 43.8378 | 9.98308 | 32.22692 |
| 8/7/2025 | 12:00:00 PM | 33.85137 | 52.27493 | 18.42356 | 28.95644 | 36.45039 | 2.59902 | 45.74098 | 33.76501 | -0.08636 | 49.55636 | 43.84137 | 9.99 | 32.22 |
| 8/7/2025 | 1:00:00 PM | 33.84803 | 52.27135 | 18.42332 | 28.95668 | 36.46113 | 2.6131 | 45.7269 | 33.77227 | -0.07576 | 49.54576 | 43.84495 | 9.99692 | 32.21308 |
| 8/7/2025 | 2:00:00 PM | 33.84468 | 52.26062 | 18.41594 | 28.96406 | 36.46471 | 2.62003 | 45.71997 | 33.76864 | -0.07604 | 49.54604 | 43.84137 | 9.99669 | 32.21331 |
| 8/7/2025 | 3:00:00 PM | 33.84803 | 52.26062 | 18.41259 | 28.96741 | 36.47187 | 2.62384 | 45.71616 | 33.77227 | -0.07576 | 49.54576 | 43.85566 | 10.00763 | 32.20237 |
| 8/7/2025 | 4:00:00 PM | 33.84468 | 52.25347 | 18.40879 | 28.97121 | 36.47545 | 2.63077 | 45.70923 | 33.76501 | -0.07967 | 49.54967 | 43.84495 | 10.00027 | 32.20973 |
| 8/7/2025 | 5:00:00 PM | 33.84468 | 52.25704 | 18.41236 | 28.96764 | 36.47903 | 2.63435 | 45.70565 | 33.77227 | -0.07241 | 49.54241 | 43.85209 | 10.00741 | 32.20259 |
| 8/7/2025 | 6:00:00 PM | 33.838 | 52.24632 | 18.40832 | 28.97168 | 36.47903 | 2.64103 | 45.69897 | 33.76501 | -0.07299 | 49.54299 | 43.84137 | 10.00337 | 32.20663 |
| 8/7/2025 | 7:00:00 PM | 33.84468 | 52.23916 | 18.39448 | 28.98552 | 36.48619 | 2.64151 | 45.69849 | 33.77227 | -0.07241 | 49.54241 | 43.84852 | 10.00384 | 32.20616 |
| 8/7/2025 | 8:00:00 PM | 33.84803 | 52.23559 | 18.38756 | 28.99244 | 36.49334 | 2.64531 | 45.69469 | 33.77591 | -0.07212 | 49.54212 | 43.85566 | 10.00763 | 32.20237 |
| 8/7/2025 | 9:00:00 PM | 33.86809 | 52.24989 | 18.3818 | 28.9982 | 36.48619 | 2.6181 | 45.7219 | 33.78681 | -0.08128 | 49.55128 | 43.86637 | 9.99828 | 32.21172 |
| 8/7/2025 | 10:00:00 PM | 33.87478 | 52.23916 | 18.36438 | 29.01562 | 36.49334 | 2.61856 | 45.72144 | 33.79408 | -0.0807 | 49.5507 | 43.86637 | 9.99159 | 32.21841 |
| 8/7/2025 | 11:00:00 PM | 33.87478 | 52.2034 | 18.32862 | 29.05138 | 36.49692 | 2.62214 | 45.71786 | 33.79045 | -0.08433 | 49.55433 | 43.85923 | 9.98445 | 32.22555 |
| 8/8/2025 | 12:00:00 AM | 33.88147 | 52.21056 | 18.32909 | 29.05091 | 36.49692 | 2.61545 | 45.72455 | 33.79771 | -0.08376 | 49.55376 | 43.86994 | 9.98847 | 32.22153 |
| 8/8/2025 | 1:00:00 AM | 33.87478 | 52.19983 | 18.32505 | 29.05495 | 36.51124 | 2.63646 | 45.70354 | 33.79771 | -0.07707 | 49.54707 | 43.87352 | 9.99874 | 32.21126 |
| 8/8/2025 | 2:00:00 AM | 33.87144 | 52.2034 | 18.33196 | 29.04804 | 36.50766 | 2.63622 | 45.70378 | 33.79771 | -0.07373 | 49.54373 | 43.8628 | 9.99136 | 32.21864 |
| 8/8/2025 | 3:00:00 AM | 33.86475 | 52.20698 | 18.34223 | 29.03777 | 36.52198 | 2.65723 | 45.68277 | 33.79045 | -0.0743 | 49.5443 | 43.86637 | 10.00162 | 32.20838 |
| 8/8/2025 | 4:00:00 AM | 33.86475 | 52.21056 | 18.34581 | 29.03419 | 36.51482 | 2.65007 | 45.68993 | 33.77591 | -0.08884 | 49.55884 | 43.86637 | 10.00162 | 32.20838 |
| 8/8/2025 | 5:00:00 AM | 33.85472 | 52.20698 | 18.35226 | 29.02774 | 36.51482 | 2.6601 | 45.6799 | 33.78681 | -0.06791 | 49.53791 | 43.85566 | 10.00094 | 32.20906 |
| 8/8/2025 | 6:00:00 AM | 33.85472 | 52.21056 | 18.35584 | 29.02416 | 36.52198 | 2.66726 | 45.67274 | 33.77954 | -0.07518 | 49.54518 | 43.8628 | 10.00808 | 32.20192 |
| 8/8/2025 | 7:00:00 AM | 33.86475 | 52.22486 | 18.36011 | 29.01989 | 36.5184 | 2.65365 | 45.68635 | 33.78318 | -0.08157 | 49.55157 | 43.86994 | 10.00519 | 32.20481 |
| 8/8/2025 | 8:00:00 AM | 33.86475 | 52.23201 | 18.36726 | 29.01274 | 36.52198 | 2.65723 | 45.68277 | 33.78681 | -0.07794 | 49.54794 | 43.87352 | 10.00877 | 32.20123 |
| 8/8/2025 | 9:00:00 AM | 33.86475 | 52.23559 | 18.37084 | 29.00916 | 36.52198 | 2.65723 | 45.68277 | 33.79408 | -0.07067 | 49.54067 | 43.86637 | 10.00162 | 32.20838 |
| 8/8/2025 | 10:00:00 AM | 33.8614 | 52.24274 | 18.38134 | 28.99866 | 36.52198 | 2.66058 | 45.67942 | 33.79408 | -0.06732 | 49.53732 | 43.86994 | 10.00854 | 32.20146 |
| 8/8/2025 | 11:00:00 AM | 33.85472 | 52.23559 | 18.38087 | 28.99913 | 36.52556 | 2.67084 | 45.66916 | 33.77954 | -0.07518 | 49.54518 | 43.85923 | 10.00451 | 32.20549 |
| 8/8/2025 | 12:00:00 PM | 33.84134 | 52.22128 | 18.37994 | 29.00006 | 36.5184 | 2.67706 | 45.66294 | 33.77227 | -0.06907 | 49.53907 | 43.84137 | 10.00003 | 32.20997 |
| 8/8/2025 | 1:00:00 PM | 33.81124 | 52.19268 | 18.38144 | 28.99856 | 36.52914 | 2.7179 | 45.6221 | 33.75774 | -0.0535 | 49.5235 | 43.82352 | 10.01228 | 32.19772 |
| 8/8/2025 | 2:00:00 PM | 33.81124 | 52.18552 | 18.37428 | 29.00572 | 36.5184 | 2.70716 | 45.63284 | 33.74684 | -0.0644 | 49.5344 | 43.8128 | 10.00156 | 32.20844 |
| 8/8/2025 | 3:00:00 PM | 33.80121 | 52.16407 | 18.36286 | 29.01714 | 36.5184 | 2.71719 | 45.62281 | 33.7323 | -0.06891 | 49.53891 | 43.80923 | 10.00802 | 32.20198 |
| 8/8/2025 | 4:00:00 PM | 33.78784 | 52.14976 | 18.36192 | 29.01808 | 36.51482 | 2.72698 | 45.61302 | 33.72866 | -0.05918 | 49.52918 | 43.80923 | 10.02139 | 32.18861 |
| 8/8/2025 | 5:00:00 PM | 33.7778 | 52.13903 | 18.36123 | 29.01877 | 36.50408 | 2.72628 | 45.61372 | 33.71776 | -0.06004 | 49.53004 | 43.80209 | 10.02429 | 32.18571 |
| 8/8/2025 | 6:00:00 PM | 33.78449 | 52.12831 | 18.34382 | 29.03618 | 36.5005 | 2.71601 | 45.62399 | 33.71776 | -0.06673 | 49.53673 | 43.79495 | 10.01046 | 32.19954 |
| 8/8/2025 | 7:00:00 PM | 33.78784 | 52.12115 | 18.33331 | 29.04669 | 36.49692 | 2.70908 | 45.63092 | 33.71776 | -0.07008 | 49.54008 | 43.79495 | 10.00711 | 32.20289 |
| 8/8/2025 | 8:00:00 PM | 33.80456 | 52.12115 | 18.31659 | 29.06341 | 36.48977 | 2.68521 | 45.65479 | 33.72866 | -0.0759 | 49.5459 | 43.79495 | 9.99039 | 32.21961 |
| 8/8/2025 | 9:00:00 PM | 33.80456 | 52.114 | 18.30944 | 29.07056 | 36.48977 | 2.68521 | 45.65479 | 33.7323 | -0.07226 | 49.54226 | 43.79852 | 9.99396 | 32.21604 |
| 8/8/2025 | 10:00:00 PM | 33.81124 | 52.10685 | 18.29561 | 29.08439 | 36.48619 | 2.67495 | 45.66505 | 33.72866 | -0.08258 | 49.55258 | 43.79852 | 9.98728 | 32.22272 |
| 8/8/2025 | 11:00:00 PM | 33.82128 | 52.11758 | 18.2963 | 29.0837 | 36.47903 | 2.65775 | 45.68225 | 33.73593 | -0.08535 | 49.55535 | 43.80566 | 9.98438 | 32.22562 |
| 8/9/2025 | 12:00:00 AM | 33.81793 | 52.11758 | 18.29965 | 29.08035 | 36.48619 | 2.66826 | 45.67174 | 33.73957 | -0.07836 | 49.54836 | 43.80209 | 9.98416 | 32.22584 |
| 8/9/2025 | 1:00:00 AM | 33.81124 | 52.12115 | 18.30991 | 29.07009 | 36.48261 | 2.67137 | 45.66863 | 33.73593 | -0.07531 | 49.54531 | 43.80209 | 9.99085 | 32.21915 |
| 8/9/2025 | 2:00:00 AM | 33.81459 | 52.12831 | 18.31372 | 29.06628 | 36.48261 | 2.66802 | 45.67198 | 33.7432 | -0.07139 | 49.54139 | 43.79495 | 9.98036 | 32.22964 |
| 8/9/2025 | 3:00:00 AM | 33.80121 | 52.12473 | 18.32352 | 29.05648 | 36.48619 | 2.68498 | 45.65502 | 33.73593 | -0.06528 | 49.53528 | 43.7878 | 9.98659 | 32.22341 |
| 8/9/2025 | 4:00:00 AM | 33.80121 | 52.13188 | 18.33067 | 29.04933 | 36.48619 | 2.68498 | 45.65502 | 33.7323 | -0.06891 | 49.53891 | 43.79138 | 9.99017 | 32.21983 |
| 8/9/2025 | 5:00:00 AM | 33.79787 | 52.13903 | 18.34116 | 29.03884 | 36.48261 | 2.68474 | 45.65526 | 33.7323 | -0.06557 | 49.53557 | 43.7878 | 9.98993 | 32.22007 |
| 8/9/2025 | 6:00:00 AM | 33.80456 | 52.13546 | 18.3309 | 29.0491 | 36.48261 | 2.67805 | 45.66195 | 33.72503 | -0.07953 | 49.54953 | 43.79138 | 9.98682 | 32.22318 |
| 8/9/2025 | 7:00:00 AM | 33.82128 | 52.16049 | 18.33921 | 29.04079 | 36.47903 | 2.65775 | 45.68225 | 33.7323 | -0.08898 | 49.55898 | 43.80923 | 9.98795 | 32.22205 |
| 8/9/2025 | 8:00:00 AM | 33.83131 | 52.18195 | 18.35064 | 29.02936 | 36.47545 | 2.64414 | 45.69586 | 33.74684 | -0.08447 | 49.55447 | 43.81995 | 9.98864 | 32.22136 |
| 8/9/2025 | 9:00:00 AM | 33.838 | 52.19268 | 18.35468 | 29.02532 | 36.48261 | 2.64461 | 45.69539 | 33.7541 | -0.0839 | 49.5539 | 43.81637 | 9.97837 | 32.23163 |
| 8/9/2025 | 10:00:00 AM | 33.82462 | 52.18195 | 18.35733 | 29.02267 | 36.47903 | 2.65441 | 45.68559 | 33.7541 | -0.07052 | 49.54052 | 43.8128 | 9.98818 | 32.22182 |
| 8/9/2025 | 11:00:00 AM | 33.82128 | 52.19268 | 18.3714 | 29.0086 | 36.48261 | 2.66133 | 45.67867 | 33.75047 | -0.07081 | 49.54081 | 43.80566 | 9.98438 | 32.22562 |
| 8/9/2025 | 12:00:00 PM | 33.82462 | 52.19268 | 18.36806 | 29.01194 | 36.48619 | 2.66157 | 45.67843 | 33.74684 | -0.07778 | 49.54778 | 43.80923 | 9.98461 | 32.22539 |
| 8/9/2025 | 1:00:00 PM | 33.8079 | 52.18195 | 18.37405 | 29.00595 | 36.48261 | 2.67471 | 45.66529 | 33.74684 | -0.06106 | 49.53106 | 43.79852 | 9.99062 | 32.21938 |
| 8/9/2025 | 2:00:00 PM | 33.79787 | 52.17122 | 18.37335 | 29.00665 | 36.48619 | 2.68832 | 45.65168 | 33.73593 | -0.06194 | 49.53194 | 43.79138 | 9.99351 | 32.21649 |
| 8/9/2025 | 3:00:00 PM | 33.79118 | 52.14619 | 18.35501 | 29.02499 | 36.47545 | 2.68427 | 45.65573 | 33.72866 | -0.06252 | 49.53252 | 43.78423 | 9.99305 | 32.21695 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/9/2025 | 4:00:00 PM | 33.7778 | 52.13188 | 18.35408 | 29.02592 | 36.47545 | 2.69765 | 45.64235 | 33.71776 | -0.06004 | 49.53004 | 43.77352 | 9.99572 | 32.21428 |
| 8/9/2025 | 5:00:00 PM | 33.77446 | 52.114 | 18.33954 | 29.04046 | 36.47187 | 2.69741 | 45.64259 | 33.70686 | -0.0676 | 49.5376 | 43.76281 | 9.98835 | 32.22165 |
| 8/9/2025 | 6:00:00 PM | 33.77446 | 52.0997 | 18.32524 | 29.05476 | 36.47187 | 2.69741 | 45.64259 | 33.70686 | -0.0676 | 49.5376 | 43.76995 | 9.99549 | 32.21451 |
| 8/9/2025 | 7:00:00 PM | 33.76443 | 52.08182 | 18.31739 | 29.06261 | 36.47187 | 2.70744 | 45.63256 | 33.69596 | -0.06847 | 49.53847 | 43.75923 | 9.9948 | 32.2152 |
| 8/9/2025 | 8:00:00 PM | 33.77112 | 52.07467 | 18.30355 | 29.07645 | 36.46471 | 2.69359 | 45.64641 | 33.69596 | -0.07516 | 49.54516 | 43.75923 | 9.98811 | 32.22189 |
| 8/9/2025 | 9:00:00 PM | 33.78115 | 52.07109 | 18.28994 | 29.09006 | 36.46471 | 2.68356 | 45.65644 | 33.70686 | -0.07429 | 49.54429 | 43.75923 | 9.97808 | 32.23192 |
| 8/9/2025 | 10:00:00 PM | 33.79787 | 52.09255 | 18.29468 | 29.08532 | 36.45039 | 2.65252 | 45.68748 | 33.7214 | -0.07647 | 49.54647 | 43.77352 | 9.97565 | 32.23435 |
| 8/9/2025 | 11:00:00 PM | 33.81124 | 52.08897 | 18.27773 | 29.10227 | 36.45039 | 2.63915 | 45.70085 | 33.72866 | -0.08258 | 49.55258 | 43.78423 | 9.97299 | 32.23701 |
| 8/10/2025 | 12:00:00 AM | 33.81124 | 52.09612 | 18.28488 | 29.09512 | 36.45755 | 2.64631 | 45.69369 | 33.73593 | -0.07531 | 49.54531 | 43.78066 | 9.96942 | 32.24058 |
| 8/10/2025 | 1:00:00 AM | 33.81793 | 52.10327 | 18.28534 | 29.09466 | 36.45755 | 2.63962 | 45.70038 | 33.7432 | -0.07473 | 49.54473 | 43.79138 | 9.97345 | 32.23655 |
| 8/10/2025 | 2:00:00 AM | 33.81459 | 52.10327 | 18.28868 | 29.09132 | 36.45755 | 2.64296 | 45.69704 | 33.73957 | -0.07502 | 49.54502 | 43.77709 | 9.9625 | 32.2475 |
| 8/10/2025 | 3:00:00 AM | 33.81124 | 52.10685 | 18.29561 | 29.08439 | 36.45755 | 2.64631 | 45.69369 | 33.7432 | -0.06804 | 49.53804 | 43.78066 | 9.96942 | 32.24058 |
| 8/10/2025 | 4:00:00 AM | 33.8079 | 52.11043 | 18.30253 | 29.07747 | 36.46113 | 2.65323 | 45.68677 | 33.7323 | -0.0756 | 49.5456 | 43.7878 | 9.9799 | 32.2301 |
| 8/10/2025 | 5:00:00 AM | 33.80456 | 52.114 | 18.30944 | 29.07056 | 36.46471 | 2.66015 | 45.67985 | 33.7323 | -0.07226 | 49.54226 | 43.77709 | 9.97253 | 32.23747 |
| 8/10/2025 | 6:00:00 AM | 33.81459 | 52.13188 | 18.31729 | 29.06271 | 36.46113 | 2.64654 | 45.69346 | 33.73957 | -0.07502 | 49.54502 | 43.7878 | 9.97321 | 32.23679 |
| 8/10/2025 | 7:00:00 AM | 33.82796 | 52.15334 | 18.32538 | 29.05462 | 36.46471 | 2.63675 | 45.70325 | 33.75047 | -0.07749 | 49.54749 | 43.79852 | 9.97056 | 32.23944 |
| 8/10/2025 | 8:00:00 AM | 33.83465 | 52.15691 | 18.32226 | 29.05774 | 36.46471 | 2.63006 | 45.70994 | 33.74684 | -0.08781 | 49.55781 | 43.80923 | 9.97458 | 32.23542 |
| 8/10/2025 | 9:00:00 AM | 33.82462 | 52.16407 | 18.33945 | 29.04055 | 36.46829 | 2.64367 | 45.69633 | 33.75774 | -0.06688 | 49.53688 | 43.80209 | 9.97747 | 32.23253 |
| 8/10/2025 | 10:00:00 AM | 33.82128 | 52.16764 | 18.34636 | 29.03364 | 36.47187 | 2.65059 | 45.68941 | 33.75047 | -0.07081 | 49.54081 | 43.79852 | 9.97724 | 32.23276 |
| 8/10/2025 | 11:00:00 AM | 33.81124 | 52.17122 | 18.35998 | 29.02002 | 36.47545 | 2.66421 | 45.67579 | 33.74684 | -0.0644 | 49.5344 | 43.7878 | 9.97656 | 32.23344 |
| 8/10/2025 | 12:00:00 PM | 33.8079 | 52.14619 | 18.33829 | 29.04171 | 36.47187 | 2.66397 | 45.67603 | 33.73593 | -0.07197 | 49.54197 | 43.77709 | 9.96919 | 32.24081 |
| 8/10/2025 | 1:00:00 PM | 33.78784 | 52.12115 | 18.33331 | 29.04669 | 36.47545 | 2.68761 | 45.65239 | 33.72866 | -0.05918 | 49.52918 | 43.76995 | 9.98211 | 32.22789 |
| 8/10/2025 | 2:00:00 PM | 33.7778 | 52.10685 | 18.32905 | 29.05095 | 36.47187 | 2.69407 | 45.64593 | 33.71776 | -0.06004 | 49.53004 | 43.76281 | 9.98501 | 32.22499 |
| 8/10/2025 | 3:00:00 PM | 33.75105 | 52.07824 | 18.32719 | 29.05281 | 36.46471 | 2.71366 | 45.62634 | 33.70323 | -0.04782 | 49.51782 | 43.74138 | 9.99033 | 32.21967 |
| 8/10/2025 | 4:00:00 PM | 33.74771 | 52.06036 | 18.31265 | 29.06735 | 36.45039 | 2.70268 | 45.63732 | 33.68869 | -0.05902 | 49.52902 | 43.73781 | 9.9901 | 32.2199 |
| 8/10/2025 | 5:00:00 PM | 33.7243 | 52.00314 | 18.27884 | 29.10116 | 36.45397 | 2.72967 | 45.61033 | 33.67779 | -0.04651 | 49.51651 | 43.71638 | 9.99208 | 32.21792 |
| 8/10/2025 | 6:00:00 PM | 33.71092 | 51.97454 | 18.26362 | 29.11638 | 36.44681 | 2.73589 | 45.60411 | 33.65962 | -0.0513 | 49.5213 | 43.70924 | 9.99832 | 32.21168 |
| 8/10/2025 | 7:00:00 PM | 33.69086 | 51.9495 | 18.25864 | 29.12136 | 36.44323 | 2.75237 | 45.58763 | 33.64144 | -0.04942 | 49.51942 | 43.68781 | 9.99695 | 32.21305 |
| 8/10/2025 | 8:00:00 PM | 33.69086 | 51.93162 | 18.24076 | 29.13924 | 36.43607 | 2.74521 | 45.59479 | 33.63781 | -0.05305 | 49.52305 | 43.68424 | 9.99338 | 32.21662 |
| 8/10/2025 | 9:00:00 PM | 33.70089 | 51.92805 | 18.22716 | 29.15284 | 36.42533 | 2.72444 | 45.61556 | 33.63054 | -0.07035 | 49.54035 | 43.68781 | 9.98692 | 32.22308 |
| 8/10/2025 | 10:00:00 PM | 33.68417 | 51.92089 | 18.23672 | 29.14328 | 36.41817 | 2.734 | 45.606 | 33.63054 | -0.05363 | 49.52363 | 43.68067 | 9.9965 | 32.2135 |
| 8/10/2025 | 11:00:00 PM | 33.68752 | 51.90301 | 18.21549 | 29.16451 | 36.40744 | 2.71992 | 45.62008 | 33.62327 | -0.06425 | 49.53425 | 43.66995 | 9.98243 | 32.22757 |
| 8/11/2025 | 12:00:00 AM | 33.68417 | 51.90659 | 18.22242 | 29.15758 | 36.40744 | 2.72327 | 45.61673 | 33.61964 | -0.06453 | 49.53453 | 43.66638 | 9.98221 | 32.22779 |
| 8/11/2025 | 1:00:00 AM | 33.69755 | 51.92447 | 18.22692 | 29.15308 | 36.3967 | 2.69915 | 45.64085 | 33.63418 | -0.06337 | 49.53337 | 43.68067 | 9.98312 | 32.22688 |
| 8/11/2025 | 2:00:00 AM | 33.6942 | 51.92805 | 18.23385 | 29.14615 | 36.39312 | 2.69892 | 45.64108 | 33.62691 | -0.06729 | 49.53729 | 43.66638 | 9.97218 | 32.23782 |
| 8/11/2025 | 3:00:00 AM | 33.67748 | 51.92089 | 18.24341 | 29.13659 | 36.38954 | 2.71206 | 45.62794 | 33.61601 | -0.06147 | 49.53147 | 43.65567 | 9.97819 | 32.23181 |
| 8/11/2025 | 4:00:00 AM | 33.6708 | 51.92805 | 18.25725 | 29.12275 | 36.38596 | 2.71516 | 45.62484 | 33.61237 | -0.05843 | 49.52843 | 43.64495 | 9.97415 | 32.23585 |
| 8/11/2025 | 5:00:00 AM | 33.65408 | 51.91732 | 18.26324 | 29.11676 | 36.3788 | 2.72472 | 45.61528 | 33.60147 | -0.05261 | 49.52261 | 43.64495 | 9.99087 | 32.21913 |
| 8/11/2025 | 6:00:00 AM | 33.66411 | 51.93877 | 18.27466 | 29.10534 | 36.37164 | 2.70753 | 45.63247 | 33.6051 | -0.05901 | 49.52901 | 43.65209 | 9.98798 | 32.22202 |
| 8/11/2025 | 7:00:00 AM | 33.67414 | 51.95308 | 18.27894 | 29.10106 | 36.37164 | 2.6975 | 45.6425 | 33.6051 | -0.06904 | 49.53904 | 43.65567 | 9.98153 | 32.22847 |
| 8/11/2025 | 8:00:00 AM | 33.68417 | 51.97096 | 18.28679 | 29.09321 | 36.36448 | 2.68031 | 45.65969 | 33.60874 | -0.07543 | 49.54543 | 43.65924 | 9.97507 | 32.23493 |
| 8/11/2025 | 9:00:00 AM | 33.69086 | 51.98526 | 18.2944 | 29.0856 | 36.3609 | 2.67004 | 45.66996 | 33.61601 | -0.07485 | 49.54485 | 43.65209 | 9.96123 | 32.24877 |
| 8/11/2025 | 10:00:00 AM | 33.67414 | 51.98169 | 18.30755 | 29.07245 | 36.35732 | 2.68318 | 45.65682 | 33.60874 | -0.0654 | 49.5354 | 43.64852 | 9.97438 | 32.23562 |
| 8/11/2025 | 11:00:00 AM | 33.66745 | 51.99242 | 18.32497 | 29.05503 | 36.35374 | 2.68629 | 45.65371 | 33.61601 | -0.05144 | 49.52144 | 43.64495 | 9.9775 | 32.2325 |
| 8/11/2025 | 12:00:00 PM | 33.66076 | 51.96381 | 18.30305 | 29.07695 | 36.35374 | 2.69298 | 45.64702 | 33.60147 | -0.05929 | 49.52929 | 43.63067 | 9.96991 | 32.24009 |
| 8/11/2025 | 1:00:00 PM | 33.63736 | 51.94235 | 18.30499 | 29.07501 | 36.35016 | 2.7128 | 45.6272 | 33.5833 | -0.05406 | 49.52406 | 43.60924 | 9.97188 | 32.23812 |
| 8/11/2025 | 2:00:00 PM | 33.62732 | 51.93877 | 18.31145 | 29.06855 | 36.343 | 2.71568 | 45.62432 | 33.5724 | -0.05492 | 49.52492 | 43.6021 | 9.97478 | 32.23522 |
| 8/11/2025 | 3:00:00 PM | 33.61395 | 51.91374 | 18.29979 | 29.08021 | 36.33942 | 2.72547 | 45.61453 | 33.56513 | -0.04882 | 49.51882 | 43.59138 | 9.97743 | 32.23257 |
| 8/11/2025 | 4:00:00 PM | 33.60057 | 51.88871 | 18.28814 | 29.09186 | 36.33585 | 2.73528 | 45.60472 | 33.55059 | -0.04998 | 49.51998 | 43.57353 | 9.97296 | 32.23704 |
| 8/11/2025 | 5:00:00 PM | 33.58051 | 51.86368 | 18.28317 | 29.09683 | 36.32869 | 2.74818 | 45.59182 | 33.53605 | -0.04446 | 49.51446 | 43.56281 | 9.9823 | 32.2277 |
| 8/11/2025 | 6:00:00 PM | 33.56379 | 51.82434 | 18.26055 | 29.11945 | 36.31437 | 2.75058 | 45.58942 | 33.51788 | -0.04591 | 49.51591 | 43.54853 | 9.98474 | 32.22526 |
| 8/11/2025 | 7:00:00 PM | 33.55041 | 51.81004 | 18.25963 | 29.12037 | 36.30363 | 2.75322 | 45.58678 | 33.51788 | -0.03253 | 49.50253 | 43.54496 | 9.99455 | 32.21545 |
| 8/11/2025 | 8:00:00 PM | 33.55041 | 51.79216 | 18.24175 | 29.13825 | 36.29647 | 2.74606 | 45.59394 | 33.49608 | -0.05433 | 49.52433 | 43.53781 | 9.9874 | 32.2226 |
| 8/11/2025 | 9:00:00 PM | 33.55376 | 51.77785 | 18.22409 | 29.15591 | 36.29289 | 2.73913 | 45.60087 | 33.49608 | -0.05768 | 49.52768 | 43.53781 | 9.98405 | 32.22595 |
| 8/11/2025 | 10:00:00 PM | 33.56379 | 51.77785 | 18.21406 | 29.16594 | 36.28215 | 2.71836 | 45.62164 | 33.49608 | -0.06771 | 49.53771 | 43.53781 | 9.97402 | 32.23598 |
| 8/11/2025 | 11:00:00 PM | 33.56379 | 51.77428 | 18.21049 | 29.16951 | 36.27499 | 2.7112 | 45.6288 | 33.49608 | -0.06771 | 49.53771 | 43.52353 | 9.95974 | 32.25026 |
| 8/12/2025 | 12:00:00 AM | 33.55041 | 51.67057 | 18.12016 | 29.25984 | 36.26425 | 2.71384 | 45.62616 | 33.49244 | -0.05797 | 49.52797 | 43.51996 | 9.96955 | 32.24045 |
| 8/12/2025 | 1:00:00 AM | 33.54707 | 51.66342 | 18.11635 | 29.26365 | 36.26425 | 2.71718 | 45.62282 | 33.49244 | -0.05463 | 49.52463 | 43.51281 | 9.96574 | 32.24426 |
| 8/12/2025 | 2:00:00 AM | 33.53704 | 51.67057 | 18.13353 | 29.24647 | 36.25352 | 2.71648 | 45.62352 | 33.48154 | -0.0555 | 49.5255 | 43.50924 | 9.9722 | 32.2378 |
| 8/12/2025 | 3:00:00 AM | 33.53035 | 51.67057 | 18.14022 | 29.23978 | 36.25352 | 2.72317 | 45.61683 | 33.48154 | -0.04881 | 49.51881 | 43.5021 | 9.97175 | 32.23825 |
| 8/12/2025 | 4:00:00 AM | 33.53704 | 51.67772 | 18.14068 | 29.23932 | 36.24278 | 2.70574 | 45.63426 | 33.46701 | -0.07003 | 49.54003 | 43.50924 | 9.9722 | 32.2378 |
| 8/12/2025 | 5:00:00 AM | 33.54038 | 51.6956 | 18.15522 | 29.22478 | 36.23562 | 2.69524 | 45.64476 | 33.48154 | -0.05884 | 49.52884 | 43.51281 | 9.97243 | 32.23757 |
| 8/12/2025 | 6:00:00 AM | 33.53704 | 51.70633 | 18.16929 | 29.21071 | 36.23204 | 2.695 | 45.645 | 33.47791 | -0.05913 | 49.52913 | 43.50924 | 9.9722 | 32.2378 |
| 8/12/2025 | 7:00:00 AM | 33.54707 | 51.73136 | 18.18429 | 29.19571 | 36.23204 | 2.68497 | 45.65503 | 33.48154 | -0.06553 | 49.53553 | 43.50924 | 9.96217 | 32.24783 |
| 8/12/2025 | 8:00:00 AM | 33.55041 | 51.74209 | 18.19168 | 29.18832 | 36.22846 | 2.67805 | 45.66195 | 33.48154 | -0.06887 | 49.53887 | 43.50924 | 9.95883 | 32.25117 |
| 8/12/2025 | 9:00:00 AM | 33.54707 | 51.74567 | 18.1986 | 29.1814 | 36.2213 | 2.67423 | 45.66577 | 33.47791 | -0.06916 | 49.53916 | 43.51281 | 9.96574 | 32.24426 |
| 8/12/2025 | 10:00:00 AM | 33.54372 | 51.75282 | 18.2091 | 29.1709 | 36.21772 | 2.674 | 45.666 | 33.47064 | -0.07308 | 49.54308 | 43.5021 | 9.95838 | 32.25162 |
| 8/12/2025 | 11:00:00 AM | 33.53704 | 51.75997 | 18.22293 | 29.15707 | 36.2213 | 2.68426 | 45.65574 | 33.47427 | -0.06277 | 49.53277 | 43.5021 | 9.96506 | 32.24494 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/12/2025 | 12:00:00 PM | 33.53035 | 51.74924 | 18.21889 | 29.16111 | 36.21414 | 2.68379 | 45.65621 | 33.47064 | -0.05971 | 49.52971 | 43.48781 | 9.95746 | 32.25254 |
| 8/12/2025 | 1:00:00 PM | 33.50694 | 51.73852 | 18.23158 | 29.14842 | 36.21056 | 2.70362 | 45.63638 | 33.45974 | -0.0472 | 49.5172 | 43.48067 | 9.97373 | 32.23627 |
| 8/12/2025 | 2:00:00 PM | 33.5036 | 51.71706 | 18.21346 | 29.16654 | 36.20698 | 2.70338 | 45.63662 | 33.44157 | -0.06203 | 49.53203 | 43.46282 | 9.95922 | 32.25078 |
| 8/12/2025 | 3:00:00 PM | 33.48353 | 51.69918 | 18.21565 | 29.16435 | 36.2034 | 2.71987 | 45.62013 | 33.4343 | -0.04923 | 49.51923 | 43.45567 | 9.97214 | 32.23786 |
| 8/12/2025 | 4:00:00 PM | 33.46012 | 51.66699 | 18.20687 | 29.17313 | 36.19624 | 2.73612 | 45.60388 | 33.41613 | -0.04399 | 49.51399 | 43.44139 | 9.98127 | 32.22873 |
| 8/12/2025 | 5:00:00 PM | 33.4434 | 51.63123 | 18.18783 | 29.19217 | 36.18193 | 2.73853 | 45.60147 | 33.39432 | -0.04908 | 49.51908 | 43.42353 | 9.98013 | 32.22987 |
| 8/12/2025 | 6:00:00 PM | 33.42668 | 51.60262 | 18.17594 | 29.20406 | 36.17835 | 2.75167 | 45.58833 | 33.38342 | -0.04326 | 49.51326 | 43.40925 | 9.98257 | 32.22743 |
| 8/12/2025 | 7:00:00 PM | 33.42 | 51.56686 | 18.14686 | 29.23314 | 36.17119 | 2.75119 | 45.58881 | 33.36888 | -0.05112 | 49.52112 | 43.38782 | 9.96782 | 32.24218 |
| 8/12/2025 | 8:00:00 PM | 33.40996 | 51.55256 | 18.1426 | 29.2374 | 36.15687 | 2.74691 | 45.59309 | 33.36161 | -0.04835 | 49.51835 | 43.38782 | 9.97786 | 32.23214 |
| 8/12/2025 | 9:00:00 PM | 33.42 | 51.54541 | 18.12541 | 29.25459 | 36.15329 | 2.73329 | 45.60671 | 33.35798 | -0.06202 | 49.53202 | 43.38782 | 9.96782 | 32.24218 |
| 8/12/2025 | 10:00:00 PM | 33.41665 | 51.54183 | 18.12518 | 29.25482 | 36.13897 | 2.72232 | 45.61768 | 33.36161 | -0.05504 | 49.52504 | 43.39139 | 9.97474 | 32.23526 |
| 8/12/2025 | 11:00:00 PM | 33.40662 | 51.53826 | 18.13164 | 29.24836 | 36.12823 | 2.72161 | 45.61839 | 33.35435 | -0.05227 | 49.52227 | 43.38068 | 9.97406 | 32.23594 |
| 8/13/2025 | 12:00:00 AM | 33.41665 | 51.53826 | 18.12161 | 29.25839 | 36.12465 | 2.708 | 45.632 | 33.35435 | -0.0623 | 49.5323 | 43.3771 | 9.96045 | 32.24955 |
| 8/13/2025 | 1:00:00 AM | 33.40996 | 51.54898 | 18.13902 | 29.24098 | 36.11749 | 2.70753 | 45.63247 | 33.35435 | -0.05561 | 49.52561 | 43.36996 | 9.96 | 32.25 |
| 8/13/2025 | 2:00:00 AM | 33.41331 | 51.55256 | 18.13925 | 29.24075 | 36.11749 | 2.70418 | 45.63582 | 33.35071 | -0.0626 | 49.5326 | 43.36996 | 9.95665 | 32.25335 |
| 8/13/2025 | 3:00:00 AM | 33.41665 | 51.55614 | 18.13949 | 29.24051 | 36.10676 | 2.69011 | 45.64989 | 33.35071 | -0.06594 | 49.53594 | 43.36639 | 9.94974 | 32.26026 |
| 8/13/2025 | 4:00:00 AM | 33.43003 | 51.58832 | 18.15829 | 29.22171 | 36.10318 | 2.67315 | 45.66685 | 33.35798 | -0.07205 | 49.54205 | 43.38425 | 9.95422 | 32.25578 |
| 8/13/2025 | 5:00:00 AM | 33.45009 | 51.61335 | 18.16326 | 29.21674 | 36.09602 | 2.64593 | 45.69407 | 33.36525 | -0.08484 | 49.55484 | 43.38782 | 9.93773 | 32.27227 |
| 8/13/2025 | 6:00:00 AM | 33.46347 | 51.63481 | 18.17134 | 29.20866 | 36.09244 | 2.62897 | 45.71103 | 33.39069 | -0.07278 | 49.54278 | 43.40567 | 9.9422 | 32.2678 |
| 8/13/2025 | 7:00:00 AM | 33.49356 | 51.67057 | 18.17701 | 29.20299 | 36.0996 | 2.60604 | 45.73396 | 33.40159 | -0.09197 | 49.56197 | 43.42353 | 9.92997 | 32.28003 |
| 8/13/2025 | 8:00:00 AM | 33.49356 | 51.68845 | 18.19489 | 29.18511 | 36.10318 | 2.60962 | 45.73038 | 33.41249 | -0.08107 | 49.55107 | 43.41639 | 9.92283 | 32.28717 |
| 8/13/2025 | 9:00:00 AM | 33.49022 | 51.6956 | 18.20538 | 29.17462 | 36.09602 | 2.6058 | 45.7342 | 33.41249 | -0.07773 | 49.54773 | 43.41639 | 9.92617 | 32.28383 |
| 8/13/2025 | 10:00:00 AM | 33.50025 | 51.71348 | 18.21323 | 29.16677 | 36.10318 | 2.60293 | 45.73707 | 33.42703 | -0.07322 | 49.54322 | 43.43067 | 9.93042 | 32.27958 |
| 8/13/2025 | 11:00:00 AM | 33.51028 | 51.73852 | 18.22824 | 29.15176 | 36.10318 | 2.5929 | 45.7471 | 33.4343 | -0.07598 | 49.54598 | 43.43067 | 9.92039 | 32.28961 |
| 8/13/2025 | 12:00:00 PM | 33.51028 | 51.73494 | 18.22466 | 29.15534 | 36.11033 | 2.60005 | 45.73995 | 33.4343 | -0.07598 | 49.54598 | 43.43782 | 9.92754 | 32.28246 |
| 8/13/2025 | 1:00:00 PM | 33.51363 | 51.73852 | 18.22489 | 29.15511 | 36.11033 | 2.5967 | 45.7433 | 33.43793 | -0.0757 | 49.5457 | 43.44139 | 9.92776 | 32.28224 |
| 8/13/2025 | 2:00:00 PM | 33.52366 | 51.70275 | 18.17909 | 29.20091 | 36.11033 | 2.58667 | 45.75333 | 33.43793 | -0.08573 | 49.55573 | 43.44139 | 9.91773 | 32.29227 |
| 8/13/2025 | 3:00:00 PM | 33.51697 | 51.70275 | 18.18578 | 29.19422 | 36.11033 | 2.59336 | 45.74664 | 33.44883 | -0.06814 | 49.53814 | 43.44853 | 9.93156 | 32.27844 |
| 8/13/2025 | 4:00:00 PM | 33.52032 | 51.6813 | 18.16098 | 29.21902 | 36.12107 | 2.60075 | 45.73925 | 33.4452 | -0.07512 | 49.54512 | 43.43782 | 9.9175 | 32.2925 |
| 8/13/2025 | 5:00:00 PM | 33.54038 | 51.68487 | 18.14449 | 29.23551 | 36.11749 | 2.57711 | 45.76289 | 33.4561 | -0.08428 | 49.55428 | 43.45567 | 9.91529 | 32.29471 |
| 8/13/2025 | 6:00:00 PM | 33.53704 | 51.6813 | 18.14426 | 29.23574 | 36.12465 | 2.58761 | 45.75239 | 33.45974 | -0.0773 | 49.5473 | 43.44496 | 9.90792 | 32.30208 |
| 8/13/2025 | 7:00:00 PM | 33.53704 | 51.67057 | 18.13353 | 29.24647 | 36.12107 | 2.58403 | 45.75597 | 33.46337 | -0.07367 | 49.54367 | 43.45567 | 9.91863 | 32.29137 |
| 8/13/2025 | 8:00:00 PM | 33.54372 | 51.65984 | 18.11612 | 29.26388 | 36.12823 | 2.58451 | 45.75549 | 33.47427 | -0.06945 | 49.53945 | 43.45924 | 9.91552 | 32.29448 |
| 8/13/2025 | 9:00:00 PM | 33.55376 | 51.66699 | 18.11323 | 29.26677 | 36.13181 | 2.57805 | 45.76195 | 33.47064 | -0.08312 | 49.55312 | 43.46639 | 9.91263 | 32.29737 |
| 8/13/2025 | 10:00:00 PM | 33.56044 | 51.67057 | 18.11013 | 29.26987 | 36.13897 | 2.57853 | 45.76147 | 33.48518 | -0.07526 | 49.54526 | 43.46996 | 9.90952 | 32.30048 |
| 8/13/2025 | 11:00:00 PM | 33.56379 | 51.6813 | 18.11751 | 29.26249 | 36.14255 | 2.57876 | 45.76124 | 33.48154 | -0.08225 | 49.55225 | 43.48067 | 9.91688 | 32.29312 |
| 8/14/2025 | 12:00:00 AM | 33.58051 | 51.6956 | 18.11509 | 29.26491 | 36.14613 | 2.56562 | 45.77438 | 33.49971 | -0.0808 | 49.5508 | 43.48781 | 9.9073 | 32.3027 |
| 8/14/2025 | 1:00:00 AM | 33.59054 | 51.70991 | 18.11937 | 29.26063 | 36.14971 | 2.55917 | 45.78083 | 33.50335 | -0.08719 | 49.55719 | 43.49853 | 9.90799 | 32.30201 |
| 8/14/2025 | 2:00:00 AM | 33.5872 | 51.71706 | 18.12986 | 29.25014 | 36.15329 | 2.56609 | 45.77391 | 33.50698 | -0.08022 | 49.55022 | 43.50567 | 9.91847 | 32.29153 |
| 8/14/2025 | 3:00:00 AM | 33.59723 | 51.73852 | 18.14129 | 29.23871 | 36.16403 | 2.5668 | 45.7732 | 33.51425 | -0.08298 | 49.55298 | 43.50924 | 9.91201 | 32.29799 |
| 8/14/2025 | 4:00:00 AM | 33.60057 | 51.75282 | 18.15225 | 29.22775 | 36.17119 | 2.57062 | 45.76938 | 33.51788 | -0.08269 | 49.55269 | 43.51281 | 9.91224 | 32.29776 |
| 8/14/2025 | 5:00:00 AM | 33.60726 | 51.78143 | 18.17417 | 29.20583 | 36.16403 | 2.55677 | 45.78323 | 33.52879 | -0.07847 | 49.54847 | 43.52353 | 9.91627 | 32.29373 |
| 8/14/2025 | 6:00:00 AM | 33.61729 | 51.79573 | 18.17844 | 29.20156 | 36.17119 | 2.5539 | 45.7861 | 33.53605 | -0.08124 | 49.55124 | 43.53424 | 9.91695 | 32.29305 |
| 8/14/2025 | 7:00:00 AM | 33.63067 | 51.81361 | 18.18294 | 29.19706 | 36.18551 | 2.55484 | 45.78516 | 33.54696 | -0.08371 | 49.55371 | 43.54496 | 9.91429 | 32.29571 |
| 8/14/2025 | 8:00:00 AM | 33.65073 | 51.84937 | 18.19864 | 29.18136 | 36.18551 | 2.53478 | 45.80522 | 33.56513 | -0.0856 | 49.5556 | 43.56281 | 9.91208 | 32.29792 |
| 8/14/2025 | 9:00:00 AM | 33.65073 | 51.8601 | 18.20937 | 29.17063 | 36.19266 | 2.54193 | 45.79807 | 33.56513 | -0.0856 | 49.5556 | 43.56281 | 9.91208 | 32.29792 |
| 8/14/2025 | 10:00:00 AM | 33.66076 | 51.87798 | 18.21722 | 29.16278 | 36.2034 | 2.54264 | 45.79736 | 33.57966 | -0.0811 | 49.5511 | 43.5771 | 9.91634 | 32.29366 |
| 8/14/2025 | 11:00:00 AM | 33.65073 | 51.89229 | 18.24156 | 29.13844 | 36.21056 | 2.55983 | 45.78017 | 33.5833 | -0.06743 | 49.53743 | 43.57353 | 9.9228 | 32.2872 |
| 8/14/2025 | 12:00:00 PM | 33.6407 | 51.88156 | 18.24086 | 29.13914 | 36.21056 | 2.56986 | 45.77014 | 33.5724 | -0.0683 | 49.5383 | 43.56281 | 9.92211 | 32.28789 |
| 8/14/2025 | 1:00:00 PM | 33.63067 | 51.88156 | 18.25089 | 29.12911 | 36.2213 | 2.59063 | 45.74937 | 33.55786 | -0.07281 | 49.54281 | 43.54853 | 9.91786 | 32.29214 |
| 8/14/2025 | 2:00:00 PM | 33.61395 | 51.86368 | 18.24973 | 29.13027 | 36.22488 | 2.61093 | 45.72907 | 33.55059 | -0.06336 | 49.53336 | 43.54138 | 9.92743 | 32.28257 |
| 8/14/2025 | 3:00:00 PM | 33.57716 | 51.83507 | 18.25791 | 29.12209 | 36.2213 | 2.64414 | 45.69586 | 33.53242 | -0.04474 | 49.51474 | 43.51996 | 9.9428 | 32.2672 |
| 8/14/2025 | 4:00:00 PM | 33.56379 | 51.80288 | 18.23909 | 29.14091 | 36.23204 | 2.66825 | 45.67175 | 33.51425 | -0.04954 | 49.51954 | 43.50567 | 9.94188 | 32.26812 |
| 8/14/2025 | 5:00:00 PM | 33.54038 | 51.78143 | 18.24105 | 29.13895 | 36.22846 | 2.68808 | 45.65192 | 33.49608 | -0.0443 | 49.5143 | 43.48781 | 9.94743 | 32.26257 |
| 8/14/2025 | 6:00:00 PM | 33.52366 | 51.74924 | 18.22558 | 29.15442 | 36.2034 | 2.67974 | 45.66026 | 33.47791 | -0.04575 | 49.51575 | 43.48781 | 9.96415 | 32.24585 |
| 8/14/2025 | 7:00:00 PM | 33.527 | 51.73494 | 18.20794 | 29.17206 | 36.2213 | 2.6943 | 45.6457 | 33.47064 | -0.05636 | 49.52636 | 43.47353 | 9.94653 | 32.26347 |
| 8/14/2025 | 8:00:00 PM | 33.52366 | 51.72421 | 18.20055 | 29.17945 | 36.21056 | 2.6869 | 45.6531 | 33.46701 | -0.05665 | 49.52665 | 43.46996 | 9.9463 | 32.2637 |
| 8/14/2025 | 9:00:00 PM | 33.54707 | 51.74209 | 18.19502 | 29.18498 | 36.2034 | 2.65633 | 45.68367 | 33.48154 | -0.06553 | 49.53553 | 43.48781 | 9.94074 | 32.26926 |
| 8/14/2025 | 10:00:00 PM | 33.55041 | 51.73494 | 18.18453 | 29.19547 | 36.19624 | 2.64583 | 45.69417 | 33.48154 | -0.06887 | 49.53887 | 43.48424 | 9.93383 | 32.27617 |
| 8/14/2025 | 11:00:00 PM | 33.53704 | 51.72779 | 18.19075 | 29.18925 | 36.19266 | 2.65562 | 45.68438 | 33.46701 | -0.07003 | 49.54003 | 43.46639 | 9.92935 | 32.28065 |
| 8/15/2025 | 12:00:00 AM | 33.51363 | 51.72779 | 18.21416 | 29.16584 | 36.17835 | 2.66472 | 45.67528 | 33.44883 | -0.0648 | 49.5348 | 43.43782 | 9.92419 | 32.28581 |
| 8/15/2025 | 1:00:00 AM | 33.50025 | 51.73136 | 18.23111 | 29.14889 | 36.18908 | 2.68883 | 45.65117 | 33.4452 | -0.05505 | 49.52505 | 43.44139 | 9.94114 | 32.26886 |
| 8/15/2025 | 2:00:00 AM | 33.48353 | 51.72421 | 18.24068 | 29.13932 | 36.18193 | 2.6984 | 45.6416 | 33.42703 | -0.0565 | 49.5265 | 43.43067 | 9.94714 | 32.26286 |
| 8/15/2025 | 3:00:00 AM | 33.4735 | 51.74209 | 18.26859 | 29.11141 | 36.17835 | 2.70485 | 45.63515 | 33.41613 | -0.05737 | 49.52737 | 43.43067 | 9.95717 | 32.25283 |
| 8/15/2025 | 4:00:00 AM | 33.46347 | 51.74924 | 18.28577 | 29.09423 | 36.17119 | 2.70772 | 45.63228 | 33.40886 | -0.05461 | 49.52461 | 43.41996 | 9.95649 | 32.25351 |
| 8/15/2025 | 5:00:00 AM | 33.45678 | 51.75997 | 18.30319 | 29.07681 | 36.16403 | 2.70725 | 45.63275 | 33.39796 | -0.05882 | 49.52882 | 43.41282 | 9.95604 | 32.25396 |
| 8/15/2025 | 6:00:00 AM | 33.45009 | 51.77428 | 18.32419 | 29.05581 | 36.15687 | 2.70678 | 45.63322 | 33.37979 | -0.0703 | 49.5403 | 43.40925 | 9.95916 | 32.25084 |
| 8/15/2025 | 7:00:00 AM | 33.45009 | 51.79216 | 18.34207 | 29.03793 | 36.14613 | 2.69604 | 45.64396 | 33.38342 | -0.06667 | 49.53667 | 43.40925 | 9.95916 | 32.25084 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/15/2025 | 8:00:00 AM | 33.4434 | 51.72421 | 18.28081 | 29.09919 | 36.14255 | 2.69915 | 45.64085 | 33.38342 | -0.05998 | 49.52998 | 43.40567 | 9.96227 | 32.24773 |
| 8/15/2025 | 9:00:00 AM | 33.43337 | 51.72421 | 18.29084 | 29.08916 | 36.13897 | 2.7056 | 45.6344 | 33.37615 | -0.05722 | 49.52722 | 43.39496 | 9.96159 | 32.24841 |
| 8/15/2025 | 10:00:00 AM | 33.44006 | 51.74924 | 18.30918 | 29.07082 | 36.12465 | 2.68459 | 45.65541 | 33.37979 | -0.06027 | 49.53027 | 43.39496 | 9.9549 | 32.2551 |
| 8/15/2025 | 11:00:00 AM | 33.44675 | 51.75997 | 18.31322 | 29.06678 | 36.13181 | 2.68506 | 45.65494 | 33.37979 | -0.06696 | 49.53696 | 43.39139 | 9.94464 | 32.26536 |
| 8/15/2025 | 12:00:00 PM | 33.44006 | 51.77428 | 18.33422 | 29.04578 | 36.12107 | 2.68101 | 45.65899 | 33.37979 | -0.06027 | 49.53027 | 43.38782 | 9.94776 | 32.26224 |
| 8/15/2025 | 1:00:00 PM | 33.41665 | 51.78143 | 18.36478 | 29.01522 | 36.11749 | 2.70084 | 45.63916 | 33.36525 | -0.0514 | 49.5214 | 43.38782 | 9.97117 | 32.23883 |
| 8/15/2025 | 2:00:00 PM | 33.41665 | 51.78858 | 18.37193 | 29.00807 | 36.10676 | 2.69011 | 45.64989 | 33.36161 | -0.05504 | 49.52504 | 43.36996 | 9.95331 | 32.25669 |
| 8/15/2025 | 3:00:00 PM | 33.40996 | 51.79573 | 18.38577 | 28.99423 | 36.10318 | 2.69322 | 45.64678 | 33.34344 | -0.06652 | 49.53652 | 43.36639 | 9.95643 | 32.25357 |
| 8/15/2025 | 4:00:00 PM | 33.39993 | 51.80288 | 18.40295 | 28.97705 | 36.10676 | 2.70683 | 45.63317 | 33.33618 | -0.06375 | 49.53375 | 43.36282 | 9.96289 | 32.24711 |
| 8/15/2025 | 5:00:00 PM | 33.39324 | 51.81719 | 18.42395 | 28.95605 | 36.10318 | 2.70994 | 45.63006 | 33.33254 | -0.0607 | 49.5307 | 43.35925 | 9.96601 | 32.24399 |
| 8/15/2025 | 6:00:00 PM | 33.3899 | 51.83507 | 18.44517 | 28.93483 | 36.09244 | 2.70254 | 45.63746 | 33.32527 | -0.06463 | 49.53463 | 43.35925 | 9.96935 | 32.24065 |
| 8/15/2025 | 7:00:00 PM | 33.37652 | 51.8601 | 18.48358 | 28.89642 | 36.09244 | 2.71592 | 45.62408 | 33.32527 | -0.05125 | 49.52125 | 43.35568 | 9.97916 | 32.23084 |
| 8/15/2025 | 8:00:00 PM | 33.36649 | 51.86368 | 18.49719 | 28.88281 | 36.07812 | 2.71163 | 45.62837 | 33.3071 | -0.05939 | 49.52939 | 43.33425 | 9.96776 | 32.24224 |
| 8/15/2025 | 9:00:00 PM | 33.36315 | 51.88156 | 18.51841 | 28.86159 | 36.07812 | 2.71497 | 45.62503 | 33.31074 | -0.05241 | 49.52241 | 43.33782 | 9.97467 | 32.23533 |
| 8/15/2025 | 10:00:00 PM | 33.37987 | 51.91374 | 18.53387 | 28.84613 | 36.06738 | 2.68751 | 45.65249 | 33.31437 | -0.0655 | 49.5355 | 43.35568 | 9.97581 | 32.23419 |
| 8/15/2025 | 11:00:00 PM | 33.38321 | 51.9352 | 18.55199 | 28.82801 | 36.0638 | 2.68059 | 45.65941 | 33.318 | -0.06521 | 49.53521 | 43.35568 | 9.97247 | 32.23753 |
| 8/16/2025 | 12:00:00 AM | 33.3899 | 51.9495 | 18.5596 | 28.8204 | 36.06022 | 2.67032 | 45.66968 | 33.32164 | -0.06826 | 49.53826 | 43.36282 | 9.97292 | 32.23708 |
| 8/16/2025 | 1:00:00 AM | 33.40996 | 51.97811 | 18.56815 | 28.81185 | 36.05306 | 2.6431 | 45.6969 | 33.32527 | -0.08469 | 49.55469 | 43.36996 | 9.96 | 32.25 |
| 8/16/2025 | 2:00:00 AM | 33.42668 | 52.00314 | 18.57646 | 28.80354 | 36.05306 | 2.62638 | 45.71362 | 33.34708 | -0.0796 | 49.5496 | 43.3771 | 9.95042 | 32.25958 |
| 8/16/2025 | 3:00:00 AM | 33.44675 | 52.02818 | 18.58143 | 28.79857 | 36.05664 | 2.60989 | 45.73011 | 33.35798 | -0.08877 | 49.55877 | 43.38425 | 9.9375 | 32.2725 |
| 8/16/2025 | 4:00:00 AM | 33.4735 | 52.05321 | 18.57971 | 28.80029 | 36.0459 | 2.5724 | 45.7676 | 33.37979 | -0.09371 | 49.56371 | 43.40925 | 9.93575 | 32.27425 |
| 8/16/2025 | 5:00:00 AM | 33.48688 | 52.07109 | 18.58421 | 28.79579 | 36.06022 | 2.57334 | 45.76666 | 33.40159 | -0.08529 | 49.55529 | 43.41996 | 9.93308 | 32.27692 |
| 8/16/2025 | 6:00:00 AM | 33.50694 | 52.08897 | 18.58203 | 28.79797 | 36.06022 | 2.55328 | 45.78672 | 33.41249 | -0.09445 | 49.56445 | 43.43425 | 9.92731 | 32.28269 |
| 8/16/2025 | 7:00:00 AM | 33.52366 | 52.10685 | 18.58319 | 28.79681 | 36.07454 | 2.55088 | 45.78912 | 33.42703 | -0.09663 | 49.56663 | 43.43425 | 9.91059 | 32.29941 |
| 8/16/2025 | 8:00:00 AM | 33.54038 | 52.12115 | 18.58077 | 28.79923 | 36.07454 | 2.53416 | 45.80584 | 33.44883 | -0.09155 | 49.56155 | 43.46282 | 9.92244 | 32.28756 |
| 8/16/2025 | 9:00:00 AM | 33.55376 | 52.13546 | 18.5817 | 28.7983 | 36.08528 | 2.53152 | 45.80848 | 33.4561 | -0.09766 | 49.56766 | 43.47353 | 9.91977 | 32.29023 |
| 8/16/2025 | 10:00:00 AM | 33.56713 | 52.15334 | 18.58621 | 28.79379 | 36.0996 | 2.53247 | 45.80753 | 33.47427 | -0.09286 | 49.56286 | 43.48424 | 9.91711 | 32.29289 |
| 8/16/2025 | 11:00:00 AM | 33.57716 | 52.16764 | 18.59048 | 28.78952 | 36.0996 | 2.52244 | 45.81756 | 33.48518 | -0.09198 | 49.56198 | 43.49496 | 9.9178 | 32.2922 |
| 8/16/2025 | 12:00:00 PM | 33.59054 | 52.17122 | 18.58068 | 28.79932 | 36.11391 | 2.52337 | 45.81663 | 33.49608 | -0.09446 | 49.56446 | 43.50567 | 9.91513 | 32.29487 |
| 8/16/2025 | 1:00:00 PM | 33.59388 | 52.17837 | 18.58449 | 28.79551 | 36.11749 | 2.52361 | 45.81639 | 33.50698 | -0.0869 | 49.5569 | 43.51281 | 9.91893 | 32.29107 |
| 8/16/2025 | 2:00:00 PM | 33.59723 | 52.18195 | 18.58472 | 28.79528 | 36.13181 | 2.53458 | 45.80542 | 33.51788 | -0.07935 | 49.54935 | 43.53067 | 9.93344 | 32.27656 |
| 8/16/2025 | 3:00:00 PM | 33.60057 | 52.1748 | 18.57423 | 28.80577 | 36.13897 | 2.5384 | 45.8016 | 33.52515 | -0.07542 | 49.54542 | 43.52353 | 9.92296 | 32.28704 |
| 8/16/2025 | 4:00:00 PM | 33.59723 | 52.16407 | 18.56684 | 28.81316 | 36.14255 | 2.54532 | 45.79468 | 33.52515 | -0.07208 | 49.54208 | 43.51996 | 9.92273 | 32.28727 |
| 8/16/2025 | 5:00:00 PM | 33.59054 | 52.15691 | 18.56637 | 28.81363 | 36.14613 | 2.55559 | 45.78441 | 33.51788 | -0.07266 | 49.54266 | 43.52353 | 9.93299 | 32.27701 |
| 8/16/2025 | 6:00:00 PM | 33.59723 | 52.14976 | 18.55253 | 28.82747 | 36.16045 | 2.56322 | 45.77678 | 33.52879 | -0.06844 | 49.53844 | 43.53067 | 9.93344 | 32.27656 |
| 8/16/2025 | 7:00:00 PM | 33.60392 | 52.11043 | 18.50651 | 28.87349 | 36.17119 | 2.56727 | 45.77273 | 33.52879 | -0.07513 | 49.54513 | 43.53424 | 9.93032 | 32.27968 |
| 8/16/2025 | 8:00:00 PM | 33.61729 | 52.12473 | 18.50744 | 28.87256 | 36.17119 | 2.5539 | 45.7861 | 33.53605 | -0.08124 | 49.55124 | 43.54496 | 9.92767 | 32.28233 |
| 8/16/2025 | 9:00:00 PM | 33.62398 | 52.13188 | 18.5079 | 28.8721 | 36.17835 | 2.55437 | 45.78563 | 33.54332 | -0.08066 | 49.55066 | 43.5521 | 9.92812 | 32.28188 |
| 8/16/2025 | 10:00:00 PM | 33.63067 | 52.12473 | 18.49406 | 28.88594 | 36.18908 | 2.55841 | 45.78159 | 33.55059 | -0.08008 | 49.55008 | 43.5521 | 9.92143 | 32.28857 |
| 8/16/2025 | 11:00:00 PM | 33.62398 | 52.12115 | 18.49717 | 28.88283 | 36.18908 | 2.5651 | 45.7749 | 33.54332 | -0.08066 | 49.55066 | 43.54496 | 9.92098 | 32.28902 |
| 8/17/2025 | 12:00:00 AM | 33.62398 | 52.12831 | 18.50433 | 28.87567 | 36.19624 | 2.57226 | 45.76774 | 33.55059 | -0.07339 | 49.54339 | 43.55567 | 9.93169 | 32.27831 |
| 8/17/2025 | 1:00:00 AM | 33.63736 | 52.12473 | 18.48737 | 28.89263 | 36.19266 | 2.5553 | 45.7847 | 33.55422 | -0.08314 | 49.55314 | 43.55567 | 9.91831 | 32.29169 |
| 8/17/2025 | 2:00:00 AM | 33.63401 | 52.13903 | 18.50502 | 28.87498 | 36.2034 | 2.56939 | 45.77061 | 33.55059 | -0.08342 | 49.55342 | 43.56281 | 9.9288 | 32.2812 |
| 8/17/2025 | 3:00:00 AM | 33.63067 | 52.14619 | 18.51552 | 28.86448 | 36.21056 | 2.57989 | 45.76011 | 33.55786 | -0.07281 | 49.54281 | 43.56281 | 9.93214 | 32.27786 |
| 8/17/2025 | 4:00:00 AM | 33.63736 | 52.14976 | 18.5124 | 28.8676 | 36.21056 | 2.5732 | 45.7668 | 33.55422 | -0.08314 | 49.55314 | 43.56638 | 9.92902 | 32.28098 |
| 8/17/2025 | 5:00:00 AM | 33.6407 | 52.14619 | 18.50549 | 28.87451 | 36.21414 | 2.57344 | 45.76656 | 33.55422 | -0.08648 | 49.55648 | 43.57353 | 9.93283 | 32.27717 |
| 8/17/2025 | 6:00:00 AM | 33.65408 | 52.16049 | 18.50641 | 28.87359 | 36.21772 | 2.56364 | 45.77636 | 33.5724 | -0.08168 | 49.55168 | 43.58424 | 9.93016 | 32.27984 |
| 8/17/2025 | 7:00:00 AM | 33.66076 | 52.16407 | 18.50331 | 28.87669 | 36.2213 | 2.56054 | 45.77946 | 33.57603 | -0.08473 | 49.55473 | 43.58424 | 9.92348 | 32.28652 |
| 8/17/2025 | 8:00:00 AM | 33.66411 | 52.12831 | 18.4642 | 28.9158 | 36.22488 | 2.56077 | 45.77923 | 33.58693 | -0.07718 | 49.54718 | 43.59138 | 9.92727 | 32.28273 |
| 8/17/2025 | 9:00:00 AM | 33.66411 | 52.13546 | 18.47135 | 28.90865 | 36.23562 | 2.57151 | 45.76849 | 33.59057 | -0.07354 | 49.54354 | 43.58067 | 9.91656 | 32.29344 |
| 8/17/2025 | 10:00:00 AM | 33.66745 | 52.14261 | 18.47516 | 28.90484 | 36.24278 | 2.57533 | 45.76467 | 33.59057 | -0.07688 | 49.54688 | 43.58424 | 9.91679 | 32.29321 |
| 8/17/2025 | 11:00:00 AM | 33.67414 | 52.14619 | 18.47205 | 28.90795 | 36.24278 | 2.56864 | 45.77136 | 33.59057 | -0.08357 | 49.55357 | 43.59138 | 9.91724 | 32.29276 |
| 8/17/2025 | 12:00:00 PM | 33.66411 | 52.14976 | 18.48565 | 28.89435 | 36.24636 | 2.58225 | 45.75775 | 33.59057 | -0.07354 | 49.54354 | 43.58781 | 9.9237 | 32.2863 |
| 8/17/2025 | 1:00:00 PM | 33.64739 | 52.13903 | 18.49164 | 28.88836 | 36.24994 | 2.60255 | 45.73745 | 33.59057 | -0.05682 | 49.52682 | 43.58067 | 9.93328 | 32.27672 |
| 8/17/2025 | 2:00:00 PM | 33.64739 | 52.13546 | 18.48807 | 28.89193 | 36.24994 | 2.60255 | 45.73745 | 33.57603 | -0.07136 | 49.54136 | 43.57353 | 9.92614 | 32.28386 |
| 8/17/2025 | 3:00:00 PM | 33.63067 | 52.11043 | 18.47976 | 28.90024 | 36.24994 | 2.61927 | 45.72073 | 33.56149 | -0.06918 | 49.53918 | 43.56638 | 9.93571 | 32.27429 |
| 8/17/2025 | 4:00:00 PM | 33.60726 | 52.09255 | 18.48529 | 28.89471 | 36.25352 | 2.64626 | 45.69374 | 33.55059 | -0.05667 | 49.52667 | 43.54496 | 9.9377 | 32.2723 |
| 8/17/2025 | 5:00:00 PM | 33.59054 | 52.07109 | 18.48055 | 28.89945 | 36.25352 | 2.66298 | 45.67702 | 33.53969 | -0.05085 | 49.52085 | 43.54138 | 9.95084 | 32.25916 |
| 8/17/2025 | 6:00:00 PM | 33.5872 | 52.06036 | 18.47316 | 28.90684 | 36.25352 | 2.66632 | 45.67368 | 33.52879 | -0.05841 | 49.52841 | 43.53424 | 9.94704 | 32.26296 |
| 8/17/2025 | 7:00:00 PM | 33.57382 | 52.04963 | 18.47581 | 28.90419 | 36.24636 | 2.67254 | 45.66746 | 33.51788 | -0.05594 | 49.52594 | 43.51639 | 9.94257 | 32.26743 |
| 8/17/2025 | 8:00:00 PM | 33.57048 | 52.03175 | 18.46127 | 28.91873 | 36.2392 | 2.66872 | 45.67128 | 33.51061 | -0.05987 | 49.52987 | 43.51996 | 9.94948 | 32.26052 |
| 8/17/2025 | 9:00:00 PM | 33.57716 | 52.03533 | 18.45817 | 28.92183 | 36.23562 | 2.65846 | 45.68154 | 33.51425 | -0.06291 | 49.53291 | 43.51281 | 9.93565 | 32.27435 |
| 8/17/2025 | 10:00:00 PM | 33.5571 | 52.02102 | 18.46392 | 28.91608 | 36.22846 | 2.67136 | 45.66864 | 33.49971 | -0.05739 | 49.52739 | 43.50567 | 9.94857 | 32.26143 |
| 8/17/2025 | 11:00:00 PM | 33.55376 | 52.01387 | 18.46011 | 28.91989 | 36.22846 | 2.6747 | 45.6653 | 33.48881 | -0.06495 | 49.53495 | 43.48781 | 9.93405 | 32.27595 |
| 8/18/2025 | 12:00:00 AM | 33.55376 | 52.0103 | 18.45654 | 28.92346 | 36.2213 | 2.66754 | 45.67246 | 33.48881 | -0.06495 | 49.53495 | 43.49139 | 9.93763 | 32.27237 |
| 8/18/2025 | 1:00:00 AM | 33.55376 | 52.0246 | 18.47084 | 28.90916 | 36.21414 | 2.66038 | 45.67962 | 33.48881 | -0.06495 | 49.53495 | 43.5021 | 9.94834 | 32.26166 |
| 8/18/2025 | 2:00:00 AM | 33.56379 | 52.03175 | 18.46796 | 28.91204 | 36.21414 | 2.65035 | 45.68965 | 33.48881 | -0.07498 | 49.54498 | 43.49139 | 9.9276 | 32.2824 |
| 8/18/2025 | 3:00:00 AM | 33.5571 | 52.02818 | 18.47108 | 28.90892 | 36.21056 | 2.65346 | 45.68654 | 33.48518 | -0.07192 | 49.54192 | 43.49496 | 9.93786 | 32.27214 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/18/2025 | 4:00:00 AM | 33.58385 | 52.04606 | 18.46221 | 28.91779 | 36.21056 | 2.62671 | 45.71329 | 33.49971 | -0.08414 | 49.55414 | 43.50924 | 9.92539 | 32.28461 |
| 8/18/2025 | 5:00:00 AM | 33.57716 | 52.05321 | 18.47605 | 28.90395 | 36.20698 | 2.62982 | 45.71018 | 33.50335 | -0.07381 | 49.54381 | 43.48781 | 9.91065 | 32.29935 |
| 8/18/2025 | 6:00:00 AM | 33.5872 | 52.07109 | 18.48389 | 28.89611 | 36.19624 | 2.60904 | 45.73096 | 33.51425 | -0.07295 | 49.54295 | 43.50924 | 9.92204 | 32.28796 |
| 8/18/2025 | 7:00:00 AM | 33.60057 | 52.08539 | 18.48482 | 28.89518 | 36.20698 | 2.60641 | 45.73359 | 33.52152 | -0.07905 | 49.54905 | 43.51281 | 9.91224 | 32.29776 |
| 8/18/2025 | 8:00:00 AM | 33.61729 | 52.08897 | 18.47168 | 28.90832 | 36.20698 | 2.58969 | 45.75031 | 33.53242 | -0.08487 | 49.55487 | 43.52353 | 9.90624 | 32.30376 |
| 8/18/2025 | 9:00:00 AM | 33.63736 | 52.06036 | 18.423 | 28.957 | 36.20698 | 2.56962 | 45.77038 | 33.55422 | -0.08314 | 49.55314 | 43.54138 | 9.90402 | 32.30598 |
| 8/18/2025 | 10:00:00 AM | 33.63736 | 52.07109 | 18.43373 | 28.94627 | 36.21056 | 2.5732 | 45.7668 | 33.55422 | -0.08314 | 49.55314 | 43.54496 | 9.9076 | 32.3024 |
| 8/18/2025 | 11:00:00 AM | 33.64739 | 52.08539 | 18.438 | 28.942 | 36.21414 | 2.56675 | 45.77325 | 33.56513 | -0.08226 | 49.55226 | 43.54496 | 9.89757 | 32.31243 |
| 8/18/2025 | 12:00:00 PM | 33.64739 | 52.08539 | 18.438 | 28.942 | 36.21772 | 2.57033 | 45.76967 | 33.56513 | -0.08226 | 49.55226 | 43.53781 | 9.89042 | 32.31958 |
| 8/18/2025 | 1:00:00 PM | 33.64404 | 52.08897 | 18.44493 | 28.93507 | 36.22488 | 2.58084 | 45.75916 | 33.56149 | -0.08255 | 49.55255 | 43.55567 | 9.91163 | 32.29837 |
| 8/18/2025 | 2:00:00 PM | 33.6407 | 52.08539 | 18.44469 | 28.93531 | 36.2213 | 2.5806 | 45.7594 | 33.56513 | -0.07557 | 49.54557 | 43.54138 | 9.90068 | 32.30932 |
| 8/18/2025 | 3:00:00 PM | 33.63736 | 52.08897 | 18.45161 | 28.92839 | 36.22488 | 2.58752 | 45.75248 | 33.56876 | -0.0686 | 49.5386 | 43.54853 | 9.91117 | 32.29883 |
| 8/18/2025 | 4:00:00 PM | 33.63067 | 52.07824 | 18.44757 | 28.93243 | 36.22846 | 2.59779 | 45.74221 | 33.56149 | -0.06918 | 49.53918 | 43.54496 | 9.91429 | 32.29571 |
| 8/18/2025 | 5:00:00 PM | 33.6407 | 52.07824 | 18.43754 | 28.94246 | 36.22846 | 2.58776 | 45.75224 | 33.56876 | -0.07194 | 49.54194 | 43.54853 | 9.90783 | 32.30217 |
| 8/18/2025 | 6:00:00 PM | 33.64404 | 52.07824 | 18.4342 | 28.9458 | 36.23562 | 2.59158 | 45.74842 | 33.56149 | -0.08255 | 49.55255 | 43.5521 | 9.90806 | 32.30194 |
| 8/18/2025 | 7:00:00 PM | 33.65073 | 52.06751 | 18.41678 | 28.96322 | 36.23562 | 2.58489 | 45.75511 | 33.56876 | -0.08197 | 49.55197 | 43.54853 | 9.8978 | 32.3122 |
| 8/18/2025 | 8:00:00 PM | 33.65408 | 52.07467 | 18.42059 | 28.95941 | 36.23562 | 2.58154 | 45.75846 | 33.5833 | -0.07078 | 49.54078 | 43.5521 | 9.89802 | 32.31198 |
| 8/18/2025 | 9:00:00 PM | 33.67748 | 52.08539 | 18.40791 | 28.97209 | 36.23562 | 2.55814 | 45.78186 | 33.59057 | -0.08691 | 49.55691 | 43.56638 | 9.8889 | 32.3211 |
| 8/18/2025 | 10:00:00 PM | 33.69086 | 52.09612 | 18.40526 | 28.97474 | 36.24278 | 2.55192 | 45.78808 | 33.60874 | -0.08212 | 49.55212 | 43.58067 | 9.88981 | 32.32019 |
| 8/18/2025 | 11:00:00 PM | 33.6942 | 52.0997 | 18.4055 | 28.9745 | 36.24994 | 2.55574 | 45.78426 | 33.60147 | -0.09273 | 49.56273 | 43.58067 | 9.88647 | 32.32353 |
| 8/19/2025 | 12:00:00 AM | 33.69086 | 52.11043 | 18.41957 | 28.96043 | 36.24994 | 2.55908 | 45.78092 | 33.61964 | -0.07122 | 49.54122 | 43.58424 | 9.89338 | 32.31662 |
| 8/19/2025 | 1:00:00 AM | 33.71092 | 52.12473 | 18.41381 | 28.96619 | 36.24994 | 2.53902 | 45.80098 | 33.61964 | -0.09128 | 49.56128 | 43.59495 | 9.88403 | 32.32597 |
| 8/19/2025 | 2:00:00 AM | 33.70758 | 52.03175 | 18.32417 | 29.05583 | 36.26068 | 2.5531 | 45.7869 | 33.62691 | -0.08067 | 49.55067 | 43.59495 | 9.88737 | 32.32263 |
| 8/19/2025 | 3:00:00 AM | 33.71761 | 52.05321 | 18.3356 | 29.0444 | 36.27141 | 2.5538 | 45.7862 | 33.63418 | -0.08343 | 49.55343 | 43.60924 | 9.89163 | 32.31837 |
| 8/19/2025 | 4:00:00 AM | 33.7243 | 52.06394 | 18.33964 | 29.04036 | 36.27141 | 2.54711 | 45.79289 | 33.64871 | -0.07559 | 49.54559 | 43.60924 | 9.88494 | 32.32506 |
| 8/19/2025 | 5:00:00 AM | 33.73099 | 52.06751 | 18.33652 | 29.04348 | 36.27499 | 2.544 | 45.796 | 33.64144 | -0.08955 | 49.55955 | 43.61995 | 9.88896 | 32.32104 |
| 8/19/2025 | 6:00:00 AM | 33.74436 | 52.08897 | 18.34461 | 29.03539 | 36.28931 | 2.54495 | 45.79505 | 33.65235 | -0.09201 | 49.56201 | 43.63781 | 9.89345 | 32.31655 |
| 8/19/2025 | 7:00:00 AM | 33.76108 | 52.11043 | 18.34935 | 29.03065 | 36.28573 | 2.52465 | 45.81535 | 33.67052 | -0.09056 | 49.56056 | 43.64852 | 9.88744 | 32.32256 |
| 8/19/2025 | 8:00:00 AM | 33.77112 | 52.12473 | 18.35361 | 29.02639 | 36.29647 | 2.52535 | 45.81465 | 33.68505 | -0.08607 | 49.55607 | 43.65924 | 9.88812 | 32.32188 |
| 8/19/2025 | 9:00:00 AM | 33.78115 | 52.13188 | 18.35073 | 29.02927 | 36.30005 | 2.5189 | 45.8211 | 33.69232 | -0.08883 | 49.55883 | 43.65567 | 9.87452 | 32.33548 |
| 8/19/2025 | 10:00:00 AM | 33.78115 | 52.13903 | 18.35788 | 29.02212 | 36.30721 | 2.52606 | 45.81394 | 33.69959 | -0.08156 | 49.55156 | 43.66281 | 9.88166 | 32.32834 |
| 8/19/2025 | 11:00:00 AM | 33.78115 | 52.14619 | 18.36504 | 29.01496 | 36.31437 | 2.53322 | 45.80678 | 33.69596 | -0.08519 | 49.55519 | 43.66281 | 9.88166 | 32.32834 |
| 8/19/2025 | 12:00:00 PM | 33.78115 | 52.14976 | 18.36861 | 29.01139 | 36.32153 | 2.54038 | 45.79962 | 33.69596 | -0.08519 | 49.55519 | 43.66281 | 9.88166 | 32.32834 |
| 8/19/2025 | 1:00:00 PM | 33.7778 | 52.14619 | 18.36839 | 29.01161 | 36.32869 | 2.55089 | 45.78911 | 33.69232 | -0.08548 | 49.55548 | 43.66995 | 9.89215 | 32.31785 |
| 8/19/2025 | 2:00:00 PM | 33.77112 | 52.14619 | 18.37507 | 29.00493 | 36.33227 | 2.56115 | 45.77885 | 33.69959 | -0.07153 | 49.54153 | 43.66638 | 9.89526 | 32.31474 |
| 8/19/2025 | 3:00:00 PM | 33.77112 | 52.13903 | 18.36791 | 29.01209 | 36.32869 | 2.55757 | 45.78243 | 33.69959 | -0.07153 | 49.54153 | 43.65924 | 9.88812 | 32.32188 |
| 8/19/2025 | 4:00:00 PM | 33.77112 | 52.12831 | 18.35719 | 29.02281 | 36.33227 | 2.56115 | 45.77885 | 33.69232 | -0.0788 | 49.5488 | 43.66281 | 9.89169 | 32.31831 |
| 8/19/2025 | 5:00:00 PM | 33.7778 | 52.12473 | 18.34693 | 29.03307 | 36.343 | 2.5652 | 45.7748 | 33.69959 | -0.07821 | 49.54821 | 43.65924 | 9.88144 | 32.32856 |
| 8/19/2025 | 6:00:00 PM | 33.77446 | 52.114 | 18.33954 | 29.04046 | 36.34658 | 2.57212 | 45.76788 | 33.69596 | -0.0785 | 49.5485 | 43.66281 | 9.88835 | 32.32165 |
| 8/19/2025 | 7:00:00 PM | 33.7778 | 52.10327 | 18.32547 | 29.05453 | 36.343 | 2.5652 | 45.7748 | 33.70323 | -0.07457 | 49.54457 | 43.66638 | 9.88858 | 32.32142 |
| 8/19/2025 | 8:00:00 PM | 33.80121 | 52.12473 | 18.32352 | 29.05648 | 36.35016 | 2.54895 | 45.79105 | 33.71413 | -0.08708 | 49.55708 | 43.68067 | 9.87946 | 32.33054 |
| 8/19/2025 | 9:00:00 PM | 33.81124 | 52.12473 | 18.31349 | 29.06651 | 36.35732 | 2.54608 | 45.79392 | 33.71776 | -0.09348 | 49.56348 | 43.68424 | 9.873 | 32.337 |
| 8/19/2025 | 10:00:00 PM | 33.81793 | 52.13546 | 18.31753 | 29.06247 | 36.3609 | 2.54297 | 45.79703 | 33.73593 | -0.082 | 49.552 | 43.69495 | 9.87702 | 32.33298 |
| 8/19/2025 | 11:00:00 PM | 33.81793 | 52.13903 | 18.3211 | 29.0589 | 36.3609 | 2.54297 | 45.79703 | 33.73957 | -0.07836 | 49.54836 | 43.69138 | 9.87345 | 32.33655 |
| 8/20/2025 | 12:00:00 AM | 33.81793 | 52.13546 | 18.31753 | 29.06247 | 36.36806 | 2.55013 | 45.78987 | 33.73957 | -0.07836 | 49.54836 | 43.69138 | 9.87345 | 32.33655 |
| 8/20/2025 | 1:00:00 AM | 33.82796 | 52.14261 | 18.31465 | 29.06535 | 36.37164 | 2.54368 | 45.79632 | 33.7432 | -0.08476 | 49.55476 | 43.69852 | 9.87056 | 32.33944 |
| 8/20/2025 | 2:00:00 AM | 33.83131 | 52.16049 | 18.32918 | 29.05082 | 36.37522 | 2.54391 | 45.79609 | 33.75047 | -0.08084 | 49.55084 | 43.71281 | 9.8815 | 32.3285 |
| 8/20/2025 | 3:00:00 AM | 33.84134 | 52.1748 | 18.33346 | 29.04654 | 36.38954 | 2.5482 | 45.7918 | 33.76137 | -0.07997 | 49.54997 | 43.72352 | 9.88218 | 32.32782 |
| 8/20/2025 | 4:00:00 AM | 33.84803 | 52.1891 | 18.34107 | 29.03893 | 36.38238 | 2.53435 | 45.80565 | 33.76864 | -0.07939 | 49.54939 | 43.71638 | 9.86835 | 32.34165 |
| 8/20/2025 | 5:00:00 AM | 33.8614 | 52.2034 | 18.342 | 29.038 | 36.39312 | 2.53172 | 45.80828 | 33.77227 | -0.08913 | 49.55913 | 43.72709 | 9.86569 | 32.34431 |
| 8/20/2025 | 6:00:00 AM | 33.86809 | 52.21771 | 18.34962 | 29.03038 | 36.40386 | 2.53577 | 45.80423 | 33.77954 | -0.08855 | 49.55855 | 43.74138 | 9.87329 | 32.33671 |
| 8/20/2025 | 7:00:00 AM | 33.88147 | 52.23559 | 18.35412 | 29.02588 | 36.41102 | 2.52955 | 45.81045 | 33.79408 | -0.08739 | 49.55739 | 43.75566 | 9.87419 | 32.33581 |
| 8/20/2025 | 8:00:00 AM | 33.89484 | 52.25704 | 18.3622 | 29.0178 | 36.40744 | 2.5126 | 45.8274 | 33.80862 | -0.08622 | 49.55622 | 43.76995 | 9.87511 | 32.33489 |
| 8/20/2025 | 9:00:00 AM | 33.91491 | 52.27493 | 18.36002 | 29.01998 | 36.41817 | 2.50326 | 45.83674 | 33.82315 | -0.09176 | 49.56176 | 43.78423 | 9.86932 | 32.34068 |
| 8/20/2025 | 10:00:00 AM | 33.92494 | 52.28923 | 18.36429 | 29.01571 | 36.42533 | 2.50039 | 45.83961 | 33.83042 | -0.09452 | 49.56452 | 43.7878 | 9.86286 | 32.34714 |
| 8/20/2025 | 11:00:00 AM | 33.91825 | 52.28923 | 18.37098 | 29.00902 | 36.43249 | 2.51424 | 45.82576 | 33.83769 | -0.08056 | 49.55056 | 43.78423 | 9.86598 | 32.34402 |
| 8/20/2025 | 12:00:00 PM | 33.92828 | 52.29638 | 18.3681 | 29.0119 | 36.44323 | 2.51495 | 45.82505 | 33.83769 | -0.09059 | 49.56059 | 43.79495 | 9.86667 | 32.34333 |
| 8/20/2025 | 1:00:00 PM | 33.91491 | 52.29281 | 18.3779 | 29.0021 | 36.45039 | 2.53548 | 45.80452 | 33.83406 | -0.08085 | 49.55085 | 43.79138 | 9.87647 | 32.33353 |
| 8/20/2025 | 2:00:00 PM | 33.9216 | 52.29281 | 18.37121 | 29.00879 | 36.45039 | 2.52879 | 45.81121 | 33.83769 | -0.08391 | 49.55391 | 43.79495 | 9.87335 | 32.33665 |
| 8/20/2025 | 3:00:00 PM | 33.91825 | 52.29281 | 18.37456 | 29.00544 | 36.45755 | 2.5393 | 45.8007 | 33.83406 | -0.08419 | 49.55419 | 43.79138 | 9.87313 | 32.33687 |
| 8/20/2025 | 4:00:00 PM | 33.91491 | 52.27493 | 18.36002 | 29.01998 | 36.46113 | 2.54622 | 45.79378 | 33.83769 | -0.07722 | 49.54722 | 43.79495 | 9.88004 | 32.32996 |
| 8/20/2025 | 5:00:00 PM | 33.9216 | 52.27493 | 18.35333 | 29.02667 | 36.47187 | 2.55027 | 45.78973 | 33.83769 | -0.08391 | 49.55391 | 43.79495 | 9.87335 | 32.33665 |
| 8/20/2025 | 6:00:00 PM | 33.91491 | 52.26062 | 18.34571 | 29.03429 | 36.46829 | 2.55338 | 45.78662 | 33.83769 | -0.07722 | 49.54722 | 43.79495 | 9.88004 | 32.32996 |
| 8/20/2025 | 7:00:00 PM | 33.90822 | 52.26062 | 18.3524 | 29.0276 | 36.47187 | 2.56365 | 45.77635 | 33.83406 | -0.07416 | 49.54416 | 43.78423 | 9.87601 | 32.33399 |
| 8/20/2025 | 8:00:00 PM | 33.91156 | 52.25704 | 18.34548 | 29.03452 | 36.47545 | 2.56389 | 45.77611 | 33.83406 | -0.0775 | 49.5475 | 43.79138 | 9.87982 | 32.33018 |
| 8/20/2025 | 9:00:00 PM | 33.9216 | 52.2642 | 18.3426 | 29.0374 | 36.47903 | 2.55743 | 45.78257 | 33.83769 | -0.08391 | 49.55391 | 43.80209 | 9.88049 | 32.32951 |
| 8/20/2025 | 10:00:00 PM | 33.93832 | 52.26777 | 18.32945 | 29.05055 | 36.48261 | 2.54429 | 45.79571 | 33.85223 | -0.08609 | 49.55609 | 43.80566 | 9.86734 | 32.34266 |
| 8/20/2025 | 11:00:00 PM | 33.92828 | 52.27135 | 18.34307 | 29.03693 | 36.48977 | 2.56149 | 45.77851 | 33.85586 | -0.07242 | 49.54242 | 43.80209 | 9.87381 | 32.33619 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/21/2025 | 12:00:00 AM | 33.92828 | 52.27493 | 18.34665 | 29.03335 | 36.48977 | 2.56149 | 45.77851 | 33.85586 | -0.07242 | 49.54242 | 43.80209 | 9.87381 | 32.33619 |
| 8/21/2025 | 1:00:00 AM | 33.93497 | 52.28208 | 18.34711 | 29.03289 | 36.49692 | 2.56195 | 45.77805 | 33.85223 | -0.08274 | 49.55274 | 43.79495 | 9.85998 | 32.35002 |
| 8/21/2025 | 2:00:00 AM | 33.93497 | 52.28923 | 18.35426 | 29.02574 | 36.5005 | 2.56553 | 45.77447 | 33.85223 | -0.08274 | 49.55274 | 43.80209 | 9.86712 | 32.34288 |
| 8/21/2025 | 3:00:00 AM | 33.9216 | 52.28208 | 18.36048 | 29.01952 | 36.5005 | 2.5789 | 45.7611 | 33.84859 | -0.07301 | 49.54301 | 43.79852 | 9.87692 | 32.33308 |
| 8/21/2025 | 4:00:00 AM | 33.91825 | 52.2785 | 18.36025 | 29.01975 | 36.49692 | 2.57867 | 45.76133 | 33.83406 | -0.08419 | 49.55419 | 43.79138 | 9.87313 | 32.33687 |
| 8/21/2025 | 5:00:00 AM | 33.90822 | 52.28208 | 18.37386 | 29.00614 | 36.5005 | 2.59228 | 45.74772 | 33.84132 | -0.0669 | 49.5369 | 43.7878 | 9.87958 | 32.33042 |
| 8/21/2025 | 6:00:00 AM | 33.90488 | 52.28208 | 18.3772 | 29.0028 | 36.5005 | 2.59562 | 45.74438 | 33.83042 | -0.07446 | 49.54446 | 43.7878 | 9.88292 | 32.32708 |
| 8/21/2025 | 7:00:00 AM | 33.91491 | 52.28923 | 18.37432 | 29.00568 | 36.5005 | 2.58559 | 45.75441 | 33.83042 | -0.08449 | 49.55449 | 43.79495 | 9.88004 | 32.32996 |
| 8/21/2025 | 8:00:00 AM | 33.91491 | 52.30353 | 18.38862 | 28.99138 | 36.5005 | 2.58559 | 45.75441 | 33.84132 | -0.07359 | 49.54359 | 43.79852 | 9.88361 | 32.32639 |
| 8/21/2025 | 9:00:00 AM | 33.91156 | 52.30711 | 18.39555 | 28.98445 | 36.50408 | 2.59252 | 45.74748 | 33.83769 | -0.07387 | 49.54387 | 43.79852 | 9.88696 | 32.32304 |
| 8/21/2025 | 10:00:00 AM | 33.8915 | 52.28923 | 18.39773 | 28.98227 | 36.49692 | 2.60542 | 45.73458 | 33.82679 | -0.06471 | 49.53471 | 43.78066 | 9.88916 | 32.32084 |
| 8/21/2025 | 11:00:00 AM | 33.87812 | 52.28565 | 18.40753 | 28.97247 | 36.49692 | 2.6188 | 45.7212 | 33.80862 | -0.0695 | 49.5395 | 43.76638 | 9.88826 | 32.32174 |
| 8/21/2025 | 12:00:00 PM | 33.86809 | 52.27493 | 18.40684 | 28.97316 | 36.49692 | 2.62883 | 45.71117 | 33.80135 | -0.06674 | 49.53674 | 43.75566 | 9.88757 | 32.32243 |
| 8/21/2025 | 1:00:00 PM | 33.84468 | 52.26062 | 18.41594 | 28.96406 | 36.48977 | 2.64509 | 45.69491 | 33.78318 | -0.0615 | 49.5315 | 43.74495 | 9.90027 | 32.30973 |
| 8/21/2025 | 2:00:00 PM | 33.81459 | 52.23916 | 18.42457 | 28.95543 | 36.49334 | 2.67875 | 45.66125 | 33.76137 | -0.05322 | 49.52322 | 43.72709 | 9.9125 | 32.2975 |
| 8/21/2025 | 3:00:00 PM | 33.79787 | 52.21413 | 18.41626 | 28.96374 | 36.48977 | 2.6919 | 45.6481 | 33.74684 | -0.05103 | 49.52103 | 43.70209 | 9.90422 | 32.30578 |
| 8/21/2025 | 4:00:00 PM | 33.77112 | 52.17837 | 18.40725 | 28.97275 | 36.47545 | 2.70433 | 45.63567 | 33.7214 | -0.04972 | 49.51972 | 43.68067 | 9.90955 | 32.30045 |
| 8/21/2025 | 5:00:00 PM | 33.75105 | 52.14619 | 18.39514 | 28.98486 | 36.46113 | 2.71008 | 45.62992 | 33.71049 | -0.04056 | 49.51056 | 43.66638 | 9.91533 | 32.29467 |
| 8/21/2025 | 6:00:00 PM | 33.73768 | 52.13188 | 18.3942 | 28.9858 | 36.45755 | 2.71987 | 45.62013 | 33.68142 | -0.05626 | 49.52626 | 43.65209 | 9.91441 | 32.29559 |
| 8/21/2025 | 7:00:00 PM | 33.73099 | 52.114 | 18.38301 | 28.99699 | 36.44681 | 2.71582 | 45.62418 | 33.67415 | -0.05684 | 49.52684 | 43.64495 | 9.91396 | 32.29604 |
| 8/21/2025 | 8:00:00 PM | 33.7243 | 52.09612 | 18.37182 | 29.00818 | 36.42891 | 2.70461 | 45.63539 | 33.67052 | -0.05378 | 49.52378 | 43.63067 | 9.90637 | 32.30363 |
| 8/21/2025 | 9:00:00 PM | 33.73433 | 52.114 | 18.37967 | 29.00033 | 36.42533 | 2.691 | 45.649 | 33.66688 | -0.06745 | 49.53745 | 43.63781 | 9.90348 | 32.30652 |
| 8/21/2025 | 10:00:00 PM | 33.73099 | 52.06394 | 18.33295 | 29.04705 | 36.40744 | 2.67645 | 45.66355 | 33.66688 | -0.06411 | 49.53411 | 43.63067 | 9.89968 | 32.31032 |
| 8/21/2025 | 11:00:00 PM | 33.73099 | 52.07109 | 18.3401 | 29.0399 | 36.40386 | 2.67287 | 45.66713 | 33.67052 | -0.06047 | 49.53047 | 43.6271 | 9.89611 | 32.31389 |
| 8/22/2025 | 12:00:00 AM | 33.73768 | 52.01745 | 18.27977 | 29.10023 | 36.3967 | 2.65902 | 45.68098 | 33.66688 | -0.0708 | 49.5408 | 43.62352 | 9.88584 | 32.32416 |
| 8/22/2025 | 1:00:00 AM | 33.72764 | 52.01387 | 18.28623 | 29.09377 | 36.39312 | 2.66548 | 45.67452 | 33.66325 | -0.06439 | 49.53439 | 43.61638 | 9.88874 | 32.32126 |
| 8/22/2025 | 2:00:00 AM | 33.71427 | 52.00672 | 18.29245 | 29.08755 | 36.37522 | 2.66095 | 45.67905 | 33.65598 | -0.05829 | 49.52829 | 43.59853 | 9.88426 | 32.32574 |
| 8/22/2025 | 3:00:00 AM | 33.70424 | 52.01745 | 18.31321 | 29.06679 | 36.3788 | 2.67456 | 45.66544 | 33.64508 | -0.05916 | 49.52916 | 43.59495 | 9.89071 | 32.31929 |
| 8/22/2025 | 4:00:00 AM | 33.69755 | 52.01745 | 18.3199 | 29.0601 | 36.36806 | 2.67051 | 45.66949 | 33.63781 | -0.05974 | 49.52974 | 43.58781 | 9.89026 | 32.31974 |
| 8/22/2025 | 5:00:00 AM | 33.70089 | 52.02818 | 18.32729 | 29.05271 | 36.3609 | 2.66001 | 45.67999 | 33.63418 | -0.06671 | 49.53671 | 43.59138 | 9.89049 | 32.31951 |
| 8/22/2025 | 6:00:00 AM | 33.6942 | 52.03175 | 18.33755 | 29.04245 | 36.35374 | 2.65954 | 45.68046 | 33.63054 | -0.06366 | 49.53366 | 43.59138 | 9.89718 | 32.31282 |
| 8/22/2025 | 7:00:00 AM | 33.70424 | 52.04606 | 18.34182 | 29.03818 | 36.35374 | 2.6495 | 45.6905 | 33.63418 | -0.07006 | 49.54006 | 43.59495 | 9.89071 | 32.31929 |
| 8/22/2025 | 8:00:00 AM | 33.70424 | 52.04963 | 18.34539 | 29.03461 | 36.34658 | 2.64234 | 45.69766 | 33.63418 | -0.07006 | 49.54006 | 43.58781 | 9.88357 | 32.32643 |
| 8/22/2025 | 9:00:00 AM | 33.71092 | 52.06394 | 18.35302 | 29.02698 | 36.33227 | 2.62135 | 45.71865 | 33.63781 | -0.07311 | 49.54311 | 43.59138 | 9.88046 | 32.32954 |
| 8/22/2025 | 10:00:00 AM | 33.70089 | 52.06751 | 18.36662 | 29.01338 | 36.33585 | 2.63496 | 45.70504 | 33.63054 | -0.07035 | 49.54035 | 43.58067 | 9.87978 | 32.33022 |
| 8/22/2025 | 11:00:00 AM | 33.70089 | 52.08539 | 18.3845 | 28.9955 | 36.32869 | 2.6278 | 45.7122 | 33.62691 | -0.07398 | 49.54398 | 43.5771 | 9.87621 | 32.33379 |
| 8/22/2025 | 12:00:00 PM | 33.6708 | 52.06394 | 18.39314 | 28.98686 | 36.32869 | 2.65789 | 45.68211 | 33.61601 | -0.05479 | 49.52479 | 43.56281 | 9.89201 | 32.31799 |
| 8/22/2025 | 1:00:00 PM | 33.65408 | 52.04248 | 18.3884 | 28.9916 | 36.32153 | 2.66745 | 45.67255 | 33.6051 | -0.04898 | 49.51898 | 43.54138 | 9.8873 | 32.3227 |
| 8/22/2025 | 2:00:00 PM | 33.63067 | 52.02102 | 18.39035 | 28.98965 | 36.31437 | 2.6837 | 45.6563 | 33.5833 | -0.04737 | 49.51737 | 43.5271 | 9.89643 | 32.31357 |
| 8/22/2025 | 3:00:00 PM | 33.60392 | 51.99599 | 18.39207 | 28.98793 | 36.30005 | 2.69613 | 45.64387 | 33.56513 | -0.03879 | 49.50879 | 43.50567 | 9.90175 | 32.30825 |
| 8/22/2025 | 4:00:00 PM | 33.57716 | 51.96738 | 18.39022 | 28.98978 | 36.30363 | 2.72647 | 45.61353 | 33.54332 | -0.03384 | 49.50384 | 43.48781 | 9.91065 | 32.29935 |
| 8/22/2025 | 5:00:00 PM | 33.55376 | 51.93877 | 18.38501 | 28.99499 | 36.29647 | 2.74271 | 45.59729 | 33.52515 | -0.02861 | 49.49861 | 43.46639 | 9.91263 | 32.29737 |
| 8/22/2025 | 6:00:00 PM | 33.54372 | 51.91017 | 18.36645 | 29.01355 | 36.27141 | 2.72769 | 45.61231 | 33.49971 | -0.04401 | 49.51401 | 43.45567 | 9.91195 | 32.29805 |
| 8/22/2025 | 7:00:00 PM | 33.53035 | 51.90301 | 18.37266 | 29.00734 | 36.26783 | 2.73748 | 45.60252 | 33.49244 | -0.03791 | 49.50791 | 43.44496 | 9.91461 | 32.29539 |
| 8/22/2025 | 8:00:00 PM | 33.53035 | 51.89229 | 18.36194 | 29.01806 | 36.25352 | 2.72317 | 45.61683 | 33.48518 | -0.04517 | 49.51517 | 43.43425 | 9.9039 | 32.3061 |
| 8/22/2025 | 9:00:00 PM | 33.55376 | 51.89229 | 18.33853 | 29.04147 | 36.2392 | 2.68544 | 45.65456 | 33.48518 | -0.06858 | 49.53858 | 43.44496 | 9.8912 | 32.3188 |
| 8/22/2025 | 10:00:00 PM | 33.56713 | 51.89229 | 18.32516 | 29.05484 | 36.22488 | 2.65775 | 45.68225 | 33.49608 | -0.07105 | 49.54105 | 43.44496 | 9.87783 | 32.33217 |
| 8/22/2025 | 11:00:00 PM | 33.57716 | 51.90301 | 18.32585 | 29.05415 | 36.21414 | 2.63698 | 45.70302 | 33.50335 | -0.07381 | 49.54381 | 43.4521 | 9.87494 | 32.33506 |
| 8/23/2025 | 12:00:00 AM | 33.57716 | 51.90659 | 18.32943 | 29.05057 | 36.21414 | 2.63698 | 45.70302 | 33.51061 | -0.06655 | 49.53655 | 43.44496 | 9.8678 | 32.3422 |
| 8/23/2025 | 1:00:00 AM | 33.58385 | 51.91374 | 18.32989 | 29.05011 | 36.2034 | 2.61955 | 45.72045 | 33.51061 | -0.07324 | 49.54324 | 43.44139 | 9.85754 | 32.35246 |
| 8/23/2025 | 2:00:00 AM | 33.58385 | 51.92089 | 18.33704 | 29.04296 | 36.19982 | 2.61597 | 45.72403 | 33.51425 | -0.0696 | 49.5396 | 43.44853 | 9.86468 | 32.34532 |
| 8/23/2025 | 3:00:00 AM | 33.58051 | 51.86725 | 18.28674 | 29.09326 | 36.19982 | 2.61931 | 45.72069 | 33.51425 | -0.06626 | 49.53626 | 43.44139 | 9.86088 | 32.34912 |
| 8/23/2025 | 4:00:00 AM | 33.58385 | 51.87798 | 18.29413 | 29.08587 | 36.19266 | 2.60881 | 45.73119 | 33.51425 | -0.0696 | 49.5396 | 43.44853 | 9.86468 | 32.34532 |
| 8/23/2025 | 5:00:00 AM | 33.59723 | 51.89944 | 18.30221 | 29.07779 | 36.19266 | 2.59543 | 45.74457 | 33.51788 | -0.07935 | 49.54935 | 43.45567 | 9.85844 | 32.35156 |
| 8/23/2025 | 6:00:00 AM | 33.59388 | 51.91374 | 18.31986 | 29.06014 | 36.18908 | 2.5952 | 45.7448 | 33.52152 | -0.07236 | 49.54236 | 43.4521 | 9.85822 | 32.35178 |
| 8/23/2025 | 7:00:00 AM | 33.60726 | 51.92089 | 18.31363 | 29.06637 | 36.19624 | 2.58898 | 45.75102 | 33.53242 | -0.07484 | 49.54484 | 43.45924 | 9.85198 | 32.35802 |
| 8/23/2025 | 8:00:00 AM | 33.6106 | 51.93162 | 18.32102 | 29.05898 | 36.19266 | 2.58206 | 45.75794 | 33.52879 | -0.08181 | 49.55181 | 43.46996 | 9.85936 | 32.35064 |
| 8/23/2025 | 9:00:00 AM | 33.59723 | 51.93877 | 18.34154 | 29.03846 | 36.18908 | 2.59185 | 45.74815 | 33.52879 | -0.06844 | 49.53844 | 43.4521 | 9.85487 | 32.35513 |
| 8/23/2025 | 10:00:00 AM | 33.59054 | 51.9352 | 18.34466 | 29.03534 | 36.18908 | 2.59854 | 45.74146 | 33.52152 | -0.06902 | 49.53902 | 43.44853 | 9.85799 | 32.35201 |
| 8/23/2025 | 11:00:00 AM | 33.58051 | 51.92447 | 18.34396 | 29.03604 | 36.18908 | 2.60857 | 45.73143 | 33.51425 | -0.06626 | 49.53626 | 43.45567 | 9.87516 | 32.33484 |
| 8/23/2025 | 12:00:00 PM | 33.56713 | 51.91732 | 18.35019 | 29.02981 | 36.18551 | 2.61838 | 45.72162 | 33.51061 | -0.05652 | 49.52652 | 43.43782 | 9.87069 | 32.33931 |
| 8/23/2025 | 1:00:00 PM | 33.55041 | 51.91017 | 18.35976 | 29.02024 | 36.18551 | 2.6351 | 45.7049 | 33.49608 | -0.05433 | 49.52433 | 43.4271 | 9.87669 | 32.33331 |
| 8/23/2025 | 2:00:00 PM | 33.53704 | 51.89229 | 18.35525 | 29.02475 | 36.18551 | 2.64847 | 45.69153 | 33.48518 | -0.05186 | 49.52186 | 43.41282 | 9.87578 | 32.33422 |
| 8/23/2025 | 3:00:00 PM | 33.51363 | 51.85295 | 18.33932 | 29.04068 | 36.17477 | 2.66114 | 45.67886 | 33.46701 | -0.04662 | 49.51662 | 43.39139 | 9.87776 | 32.33224 |
| 8/23/2025 | 4:00:00 PM | 33.49356 | 51.83507 | 18.34151 | 29.03849 | 36.17477 | 2.68121 | 45.65879 | 33.45247 | -0.04109 | 49.51109 | 43.37353 | 9.87997 | 32.33003 |
| 8/23/2025 | 5:00:00 PM | 33.4735 | 51.80288 | 18.32938 | 29.05062 | 36.16403 | 2.69053 | 45.64947 | 33.43066 | -0.04284 | 49.51284 | 43.36282 | 9.88932 | 32.32068 |
| 8/23/2025 | 6:00:00 PM | 33.4735 | 51.79573 | 18.32223 | 29.05777 | 36.14613 | 2.67263 | 45.66737 | 33.4234 | -0.0501 | 49.5201 | 43.35568 | 9.88218 | 32.32782 |
| 8/23/2025 | 7:00:00 PM | 33.47016 | 51.80288 | 18.33272 | 29.04728 | 36.13897 | 2.66881 | 45.67119 | 33.41613 | -0.05403 | 49.52403 | 43.35925 | 9.88909 | 32.32091 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/23/2025 | 8:00:00 PM | 33.48019 | 51.80646 | 18.32627 | 29.05373 | 36.13181 | 2.65162 | 45.68838 | 33.4234 | -0.05679 | 49.52679 | 43.35568 | 9.87549 | 32.33451 |
| 8/23/2025 | 9:00:00 PM | 33.50025 | 51.82076 | 18.32051 | 29.05949 | 36.12465 | 2.6244 | 45.7156 | 33.43066 | -0.06959 | 49.53959 | 43.36282 | 9.86257 | 32.34743 |
| 8/23/2025 | 10:00:00 PM | 33.51363 | 51.76712 | 18.25349 | 29.12651 | 36.12107 | 2.60744 | 45.73256 | 33.43793 | -0.0757 | 49.5457 | 43.36996 | 9.85633 | 32.35367 |
| 8/23/2025 | 11:00:00 PM | 33.52032 | 51.77785 | 18.25753 | 29.12247 | 36.12107 | 2.60075 | 45.73925 | 33.4452 | -0.07512 | 49.54512 | 43.36639 | 9.84607 | 32.36393 |
| 8/24/2025 | 12:00:00 AM | 33.52366 | 51.78858 | 18.26492 | 29.11508 | 36.11391 | 2.59025 | 45.74975 | 33.45974 | -0.06392 | 49.53392 | 43.36639 | 9.84273 | 32.36727 |
| 8/24/2025 | 1:00:00 AM | 33.53035 | 51.79573 | 18.26538 | 29.11462 | 36.11033 | 2.57998 | 45.76002 | 33.4561 | -0.07425 | 49.54425 | 43.36639 | 9.83604 | 32.37396 |
| 8/24/2025 | 2:00:00 AM | 33.51028 | 51.78858 | 18.2783 | 29.1017 | 36.11033 | 2.60005 | 45.73995 | 33.45247 | -0.05781 | 49.52781 | 43.36639 | 9.85611 | 32.35389 |
| 8/24/2025 | 3:00:00 AM | 33.52366 | 51.81004 | 18.28638 | 29.09362 | 36.11033 | 2.58667 | 45.75333 | 33.45247 | -0.07119 | 49.54119 | 43.36639 | 9.84273 | 32.36727 |
| 8/24/2025 | 4:00:00 AM | 33.527 | 51.82434 | 18.29734 | 29.08266 | 36.10676 | 2.57976 | 45.76024 | 33.45247 | -0.07453 | 49.54453 | 43.36639 | 9.83939 | 32.37061 |
| 8/24/2025 | 5:00:00 AM | 33.53035 | 51.82792 | 18.29757 | 29.08243 | 36.11033 | 2.57998 | 45.76002 | 33.4561 | -0.07425 | 49.54425 | 43.3771 | 9.84675 | 32.36325 |
| 8/24/2025 | 6:00:00 AM | 33.53035 | 51.83865 | 18.3083 | 29.0717 | 36.10676 | 2.57641 | 45.76359 | 33.4561 | -0.07425 | 49.54425 | 43.38068 | 9.85033 | 32.35967 |
| 8/24/2025 | 7:00:00 AM | 33.54707 | 51.86725 | 18.32018 | 29.05982 | 36.10318 | 2.55611 | 45.78389 | 33.47064 | -0.07643 | 49.54643 | 43.39496 | 9.84789 | 32.36211 |
| 8/24/2025 | 8:00:00 AM | 33.55376 | 51.88871 | 18.33495 | 29.04505 | 36.11033 | 2.55657 | 45.78343 | 33.47791 | -0.07585 | 49.54585 | 43.39496 | 9.8412 | 32.3688 |
| 8/24/2025 | 9:00:00 AM | 33.56713 | 51.89944 | 18.33231 | 29.04769 | 36.11391 | 2.54678 | 45.79322 | 33.48518 | -0.08195 | 49.55195 | 43.40925 | 9.84212 | 32.36788 |
| 8/24/2025 | 10:00:00 AM | 33.56379 | 51.90301 | 18.33922 | 29.04078 | 36.10676 | 2.54297 | 45.79703 | 33.48881 | -0.07498 | 49.54498 | 43.40567 | 9.84188 | 32.36812 |
| 8/24/2025 | 11:00:00 AM | 33.56379 | 51.87441 | 18.31062 | 29.06938 | 36.11391 | 2.55012 | 45.78988 | 33.49244 | -0.07135 | 49.54135 | 43.4021 | 9.83831 | 32.37169 |
| 8/24/2025 | 12:00:00 PM | 33.5571 | 51.86368 | 18.30658 | 29.07342 | 36.11749 | 2.56039 | 45.77961 | 33.48154 | -0.07556 | 49.54556 | 43.39496 | 9.83786 | 32.37214 |
| 8/24/2025 | 1:00:00 PM | 33.54038 | 51.85295 | 18.31257 | 29.06743 | 36.11391 | 2.57353 | 45.76647 | 33.47064 | -0.06974 | 49.53974 | 43.38425 | 9.84387 | 32.36613 |
| 8/24/2025 | 2:00:00 PM | 33.52366 | 51.84222 | 18.31856 | 29.06144 | 36.11033 | 2.58667 | 45.75333 | 33.46337 | -0.06029 | 49.53029 | 43.3771 | 9.85344 | 32.35656 |
| 8/24/2025 | 3:00:00 PM | 33.5036 | 51.82076 | 18.31716 | 29.06284 | 36.11033 | 2.60673 | 45.73327 | 33.45247 | -0.05113 | 49.52113 | 43.36639 | 9.86279 | 32.34721 |
| 8/24/2025 | 4:00:00 PM | 33.49022 | 51.79573 | 18.30551 | 29.07449 | 36.11033 | 2.62011 | 45.71989 | 33.44157 | -0.04865 | 49.51865 | 43.34853 | 9.85831 | 32.35169 |
| 8/24/2025 | 5:00:00 PM | 33.48688 | 51.785 | 18.29812 | 29.08188 | 36.10676 | 2.61988 | 45.72012 | 33.43066 | -0.05622 | 49.52622 | 43.34853 | 9.86165 | 32.34835 |
| 8/24/2025 | 6:00:00 PM | 33.48688 | 51.7707 | 18.28382 | 29.09618 | 36.10676 | 2.61988 | 45.72012 | 33.42703 | -0.05985 | 49.52985 | 43.34496 | 9.85808 | 32.35192 |
| 8/24/2025 | 7:00:00 PM | 33.49356 | 51.76355 | 18.26999 | 29.11001 | 36.0996 | 2.60604 | 45.73396 | 33.42703 | -0.06653 | 49.53653 | 43.34139 | 9.84783 | 32.36217 |
| 8/24/2025 | 8:00:00 PM | 33.49691 | 51.76355 | 18.26664 | 29.11336 | 36.09602 | 2.59911 | 45.74089 | 33.43066 | -0.06625 | 49.53625 | 43.34139 | 9.84448 | 32.36552 |
| 8/24/2025 | 9:00:00 PM | 33.51028 | 51.76355 | 18.25327 | 29.12673 | 36.09602 | 2.58574 | 45.75426 | 33.4343 | -0.07598 | 49.54598 | 43.34853 | 9.83825 | 32.37175 |
| 8/24/2025 | 10:00:00 PM | 33.51363 | 51.76712 | 18.25349 | 29.12651 | 36.08886 | 2.57523 | 45.76477 | 33.44157 | -0.07206 | 49.54206 | 43.36282 | 9.84919 | 32.36081 |
| 8/24/2025 | 11:00:00 PM | 33.52032 | 51.77785 | 18.25753 | 29.12247 | 36.08886 | 2.56854 | 45.77146 | 33.44883 | -0.07149 | 49.54149 | 43.35925 | 9.83893 | 32.37107 |
| 8/25/2025 | 12:00:00 AM | 33.52366 | 51.785 | 18.26134 | 29.11866 | 36.08886 | 2.5652 | 45.7748 | 33.45247 | -0.07119 | 49.54119 | 43.35925 | 9.83559 | 32.37441 |
| 8/25/2025 | 1:00:00 AM | 33.53369 | 51.78858 | 18.25489 | 29.12511 | 36.08528 | 2.55159 | 45.78841 | 33.45974 | -0.07395 | 49.54395 | 43.36282 | 9.82913 | 32.38087 |
| 8/25/2025 | 2:00:00 AM | 33.53035 | 51.79573 | 18.26538 | 29.11462 | 36.08528 | 2.55493 | 45.78507 | 33.45974 | -0.07061 | 49.54061 | 43.3521 | 9.82175 | 32.38825 |
| 8/25/2025 | 3:00:00 AM | 33.527 | 51.79931 | 18.27231 | 29.10769 | 36.09244 | 2.56544 | 45.77456 | 33.46337 | -0.06363 | 49.53363 | 43.35568 | 9.82868 | 32.38132 |
| 8/25/2025 | 4:00:00 AM | 33.53035 | 51.82792 | 18.29757 | 29.08243 | 36.08528 | 2.55493 | 45.78507 | 33.46337 | -0.06698 | 49.53698 | 43.36282 | 9.83247 | 32.37753 |
| 8/25/2025 | 5:00:00 AM | 33.53704 | 51.84222 | 18.30518 | 29.07482 | 36.08886 | 2.55182 | 45.78818 | 33.46701 | -0.07003 | 49.54003 | 43.36639 | 9.82935 | 32.38065 |
| 8/25/2025 | 6:00:00 AM | 33.54372 | 51.8601 | 18.31638 | 29.06362 | 36.09602 | 2.5523 | 45.7877 | 33.47064 | -0.07308 | 49.54308 | 43.3771 | 9.83338 | 32.37662 |
| 8/25/2025 | 7:00:00 AM | 33.55376 | 51.8601 | 18.30634 | 29.07366 | 36.09602 | 2.54226 | 45.79774 | 33.47791 | -0.07585 | 49.54585 | 43.38782 | 9.83406 | 32.37594 |
| 8/25/2025 | 8:00:00 AM | 33.5571 | 51.86368 | 18.30658 | 29.07342 | 36.0996 | 2.5425 | 45.7975 | 33.47791 | -0.07919 | 49.54919 | 43.38782 | 9.83072 | 32.37928 |
| 8/25/2025 | 9:00:00 AM | 33.56713 | 51.8601 | 18.29297 | 29.08703 | 36.09244 | 2.52531 | 45.81469 | 33.48518 | -0.08195 | 49.55195 | 43.39496 | 9.82783 | 32.38217 |
| 8/25/2025 | 10:00:00 AM | 33.57048 | 51.87083 | 18.30035 | 29.07965 | 36.10676 | 2.53628 | 45.80372 | 33.49608 | -0.0744 | 49.5444 | 43.39853 | 9.82805 | 32.38195 |
| 8/25/2025 | 11:00:00 AM | 33.5571 | 51.86725 | 18.31015 | 29.06985 | 36.10318 | 2.54608 | 45.79392 | 33.49608 | -0.06102 | 49.53102 | 43.38782 | 9.83072 | 32.37928 |
| 8/25/2025 | 12:00:00 PM | 33.55376 | 51.86725 | 18.31349 | 29.06651 | 36.10676 | 2.553 | 45.787 | 33.48154 | -0.07222 | 49.54222 | 43.38068 | 9.82692 | 32.38308 |
| 8/25/2025 | 1:00:00 PM | 33.54038 | 51.86368 | 18.3233 | 29.0567 | 36.10318 | 2.5628 | 45.7772 | 33.48154 | -0.05884 | 49.52884 | 43.3771 | 9.83672 | 32.37328 |
| 8/25/2025 | 2:00:00 PM | 33.54038 | 51.8601 | 18.31972 | 29.06028 | 36.10676 | 2.56638 | 45.77362 | 33.48154 | -0.05884 | 49.52884 | 43.37353 | 9.83315 | 32.37685 |
| 8/25/2025 | 3:00:00 PM | 33.53035 | 51.84937 | 18.31902 | 29.06098 | 36.10676 | 2.57641 | 45.76359 | 33.4561 | -0.07425 | 49.54425 | 43.36996 | 9.83961 | 32.37039 |
| 8/25/2025 | 4:00:00 PM | 33.5036 | 51.81719 | 18.31359 | 29.06641 | 36.10318 | 2.59958 | 45.74042 | 33.4561 | -0.0475 | 49.5175 | 43.34496 | 9.84136 | 32.36864 |
| 8/25/2025 | 5:00:00 PM | 33.49691 | 51.79931 | 18.3024 | 29.0776 | 36.10676 | 2.60985 | 45.73015 | 33.44883 | -0.04808 | 49.51808 | 43.34496 | 9.84805 | 32.36195 |
| 8/25/2025 | 6:00:00 PM | 33.49691 | 51.785 | 18.28809 | 29.09191 | 36.09602 | 2.59911 | 45.74089 | 33.44157 | -0.05534 | 49.52534 | 43.34139 | 9.84448 | 32.36552 |
| 8/25/2025 | 7:00:00 PM | 33.49691 | 51.7707 | 18.27379 | 29.10621 | 36.09602 | 2.59911 | 45.74089 | 33.4452 | -0.05171 | 49.52171 | 43.34139 | 9.84448 | 32.36552 |
| 8/25/2025 | 8:00:00 PM | 33.51028 | 51.77785 | 18.26757 | 29.11243 | 36.09244 | 2.58216 | 45.75784 | 33.44157 | -0.06871 | 49.53871 | 43.34853 | 9.83825 | 32.37175 |
| 8/25/2025 | 9:00:00 PM | 33.527 | 51.79216 | 18.26516 | 29.11484 | 36.08528 | 2.55828 | 45.78172 | 33.45247 | -0.07453 | 49.54453 | 43.35925 | 9.83225 | 32.37775 |
| 8/25/2025 | 10:00:00 PM | 33.54707 | 51.79931 | 18.25224 | 29.12776 | 36.08886 | 2.54179 | 45.79821 | 33.46337 | -0.0837 | 49.5537 | 43.36996 | 9.82289 | 32.38711 |
| 8/25/2025 | 11:00:00 PM | 33.5571 | 51.82076 | 18.26366 | 29.11634 | 36.08886 | 2.53176 | 45.80824 | 33.47064 | -0.08646 | 49.55646 | 43.36996 | 9.81286 | 32.39714 |
| 8/26/2025 | 12:00:00 AM | 33.5571 | 51.82434 | 18.26724 | 29.11276 | 36.08886 | 2.53176 | 45.80824 | 33.48518 | -0.07192 | 49.54192 | 43.36996 | 9.81286 | 32.39714 |
| 8/26/2025 | 1:00:00 AM | 33.56044 | 51.83507 | 18.27463 | 29.10537 | 36.0996 | 2.53916 | 45.80084 | 33.48518 | -0.07526 | 49.54526 | 43.3771 | 9.81666 | 32.39334 |
| 8/26/2025 | 2:00:00 AM | 33.5571 | 51.83507 | 18.27797 | 29.10203 | 36.08886 | 2.53176 | 45.80824 | 33.48518 | -0.07192 | 49.54192 | 43.36996 | 9.81286 | 32.39714 |
| 8/26/2025 | 3:00:00 AM | 33.54372 | 51.83149 | 18.28777 | 29.09223 | 36.09244 | 2.54872 | 45.79128 | 33.48154 | -0.06218 | 49.53218 | 43.36282 | 9.8191 | 32.3909 |
| 8/26/2025 | 4:00:00 AM | 33.55376 | 51.83507 | 18.28131 | 29.09869 | 36.0996 | 2.54584 | 45.79416 | 33.48154 | -0.07222 | 49.54222 | 43.37353 | 9.81977 | 32.39023 |
| 8/26/2025 | 5:00:00 AM | 33.5571 | 51.81719 | 18.26009 | 29.11991 | 36.0996 | 2.5425 | 45.7975 | 33.47791 | -0.07919 | 49.54919 | 43.3771 | 9.82 | 32.39 |
| 8/26/2025 | 6:00:00 AM | 33.55376 | 51.82792 | 18.27416 | 29.10584 | 36.10318 | 2.54942 | 45.79058 | 33.47791 | -0.07585 | 49.54585 | 43.37353 | 9.81977 | 32.39023 |
| 8/26/2025 | 7:00:00 AM | 33.55376 | 51.8458 | 18.29204 | 29.08796 | 36.09602 | 2.54226 | 45.79774 | 33.48518 | -0.06858 | 49.53858 | 43.38068 | 9.82692 | 32.38308 |
| 8/26/2025 | 8:00:00 AM | 33.5571 | 51.8601 | 18.303 | 29.077 | 36.10318 | 2.54608 | 45.79392 | 33.48518 | -0.07192 | 49.54192 | 43.38068 | 9.82358 | 32.38642 |
| 8/26/2025 | 9:00:00 AM | 33.57048 | 51.87441 | 18.30393 | 29.07607 | 36.10318 | 2.5327 | 45.8073 | 33.49608 | -0.0744 | 49.5444 | 43.38425 | 9.81377 | 32.39623 |
| 8/26/2025 | 10:00:00 AM | 33.55376 | 51.88156 | 18.3278 | 29.0522 | 36.11033 | 2.55657 | 45.78343 | 33.48881 | -0.06495 | 49.53495 | 43.38782 | 9.83406 | 32.37594 |
| 8/26/2025 | 11:00:00 AM | 33.55041 | 51.87441 | 18.324 | 29.056 | 36.10676 | 2.55635 | 45.78365 | 33.48518 | -0.06523 | 49.53523 | 43.37353 | 9.82312 | 32.38688 |
| 8/26/2025 | 12:00:00 PM | 33.527 | 51.85653 | 18.32953 | 29.05047 | 36.11033 | 2.58333 | 45.75667 | 33.46337 | -0.06363 | 49.53363 | 43.35568 | 9.82868 | 32.38132 |
| 8/26/2025 | 1:00:00 PM | 33.50025 | 51.84222 | 18.34197 | 29.03803 | 36.10676 | 2.60651 | 45.73349 | 33.45247 | -0.04778 | 49.51778 | 43.34496 | 9.84471 | 32.36529 |
| 8/26/2025 | 2:00:00 PM | 33.49022 | 51.82792 | 18.3377 | 29.0423 | 36.0996 | 2.60938 | 45.73062 | 33.44157 | -0.04865 | 49.51865 | 43.33425 | 9.84403 | 32.36597 |
| 8/26/2025 | 3:00:00 PM | 33.47016 | 51.79931 | 18.32915 | 29.05085 | 36.09244 | 2.62228 | 45.71772 | 33.42703 | -0.04313 | 49.51313 | 43.31282 | 9.84266 | 32.36734 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/26/2025 | 4:00:00 PM | 33.46347 | 51.785 | 18.32153 | 29.05847 | 36.08886 | 2.62539 | 45.71461 | 33.40886 | -0.05461 | 49.52461 | 43.31282 | 9.84935 | 32.36065 |
| 8/26/2025 | 5:00:00 PM | 33.45678 | 51.7707 | 18.31392 | 29.06608 | 36.08528 | 2.6285 | 45.7115 | 33.40159 | -0.05519 | 49.52519 | 43.29496 | 9.83818 | 32.37182 |
| 8/26/2025 | 6:00:00 PM | 33.44675 | 51.74209 | 18.29534 | 29.08466 | 36.0817 | 2.63495 | 45.70505 | 33.40159 | -0.04516 | 49.51516 | 43.28782 | 9.84107 | 32.36893 |
| 8/26/2025 | 7:00:00 PM | 33.45009 | 51.73136 | 18.28127 | 29.09873 | 36.07096 | 2.62087 | 45.71913 | 33.39432 | -0.05577 | 49.52577 | 43.29139 | 9.8413 | 32.3687 |
| 8/26/2025 | 8:00:00 PM | 33.48019 | 51.73852 | 18.25833 | 29.12167 | 36.06738 | 2.58719 | 45.75281 | 33.40522 | -0.07497 | 49.54497 | 43.30925 | 9.82906 | 32.38094 |
| 8/26/2025 | 9:00:00 PM | 33.49022 | 51.74209 | 18.25187 | 29.12813 | 36.0638 | 2.57358 | 45.76642 | 33.41976 | -0.07046 | 49.54046 | 43.31282 | 9.8226 | 32.3874 |
| 8/26/2025 | 10:00:00 PM | 33.5036 | 51.7564 | 18.2528 | 29.1272 | 36.05664 | 2.55304 | 45.78696 | 33.4234 | -0.0802 | 49.5502 | 43.31996 | 9.81636 | 32.39364 |
| 8/26/2025 | 11:00:00 PM | 33.51028 | 51.7707 | 18.26042 | 29.11958 | 36.06022 | 2.54994 | 45.79006 | 33.4343 | -0.07598 | 49.54598 | 43.31639 | 9.80611 | 32.40389 |
| 8/27/2025 | 12:00:00 AM | 33.5036 | 51.75997 | 18.25637 | 29.12363 | 36.05664 | 2.55304 | 45.78696 | 33.43066 | -0.07294 | 49.54294 | 43.30211 | 9.79851 | 32.41149 |
| 8/27/2025 | 1:00:00 AM | 33.49691 | 51.76355 | 18.26664 | 29.11336 | 36.06022 | 2.56331 | 45.77669 | 33.42703 | -0.06988 | 49.53988 | 43.30211 | 9.8052 | 32.4048 |
| 8/27/2025 | 2:00:00 AM | 33.5036 | 51.71706 | 18.21346 | 29.16654 | 36.05306 | 2.54946 | 45.79054 | 33.42703 | -0.07657 | 49.54657 | 43.30568 | 9.80208 | 32.40792 |
| 8/27/2025 | 3:00:00 AM | 33.49691 | 51.72421 | 18.2273 | 29.1527 | 36.06022 | 2.56331 | 45.77669 | 33.4234 | -0.07351 | 49.54351 | 43.30925 | 9.81234 | 32.39766 |
| 8/27/2025 | 4:00:00 AM | 33.5036 | 51.74209 | 18.23849 | 29.14151 | 36.05664 | 2.55304 | 45.78696 | 33.43066 | -0.07294 | 49.54294 | 43.30925 | 9.80565 | 32.40435 |
| 8/27/2025 | 5:00:00 AM | 33.52032 | 51.76355 | 18.24323 | 29.13677 | 36.05306 | 2.53274 | 45.80726 | 33.44157 | -0.07875 | 49.54875 | 43.32711 | 9.80679 | 32.40321 |
| 8/27/2025 | 6:00:00 AM | 33.527 | 51.78858 | 18.26158 | 29.11842 | 36.05306 | 2.52606 | 45.81394 | 33.4452 | -0.0818 | 49.5518 | 43.33782 | 9.81082 | 32.39918 |
| 8/27/2025 | 7:00:00 AM | 33.56379 | 51.82434 | 18.26055 | 29.11945 | 36.05664 | 2.49285 | 45.84715 | 33.46337 | -0.10042 | 49.57042 | 43.36282 | 9.79903 | 32.41097 |
| 8/27/2025 | 8:00:00 AM | 33.58051 | 51.86725 | 18.28674 | 29.09326 | 36.06022 | 2.47971 | 45.86029 | 33.48518 | -0.09533 | 49.56533 | 43.38068 | 9.80017 | 32.40983 |
| 8/27/2025 | 9:00:00 AM | 33.5872 | 51.80288 | 18.21568 | 29.16432 | 36.07096 | 2.48376 | 45.85624 | 33.50335 | -0.08385 | 49.55385 | 43.3771 | 9.7899 | 32.4201 |
| 8/27/2025 | 10:00:00 AM | 33.59388 | 51.81361 | 18.21973 | 29.16027 | 36.07096 | 2.47708 | 45.86292 | 33.50698 | -0.0869 | 49.5569 | 43.3771 | 9.78322 | 32.42678 |
| 8/27/2025 | 11:00:00 AM | 33.59388 | 51.81719 | 18.22331 | 29.15669 | 36.07096 | 2.47708 | 45.86292 | 33.51061 | -0.08327 | 49.55327 | 43.3771 | 9.78322 | 32.42678 |
| 8/27/2025 | 12:00:00 PM | 33.5872 | 51.82434 | 18.23714 | 29.14286 | 36.08528 | 2.49808 | 45.84192 | 33.51425 | -0.07295 | 49.54295 | 43.37353 | 9.78633 | 32.42367 |
| 8/27/2025 | 1:00:00 PM | 33.5872 | 51.83149 | 18.24429 | 29.13571 | 36.08886 | 2.50166 | 45.83834 | 33.51788 | -0.06932 | 49.53932 | 43.38782 | 9.80062 | 32.40938 |
| 8/27/2025 | 2:00:00 PM | 33.59054 | 51.82792 | 18.23738 | 29.14262 | 36.09244 | 2.5019 | 45.8381 | 33.51425 | -0.07629 | 49.54629 | 43.38782 | 9.79728 | 32.41272 |
| 8/27/2025 | 3:00:00 PM | 33.59054 | 51.83149 | 18.24095 | 29.13905 | 36.0996 | 2.50906 | 45.83094 | 33.52152 | -0.06902 | 49.53902 | 43.38782 | 9.79728 | 32.41272 |
| 8/27/2025 | 4:00:00 PM | 33.59723 | 51.83149 | 18.23426 | 29.14574 | 36.0996 | 2.50237 | 45.83763 | 33.52515 | -0.07208 | 49.54208 | 43.39496 | 9.79773 | 32.41227 |
| 8/27/2025 | 5:00:00 PM | 33.6106 | 51.82792 | 18.21732 | 29.16268 | 36.10676 | 2.49616 | 45.84384 | 33.53242 | -0.07818 | 49.54818 | 43.39853 | 9.78793 | 32.42207 |
| 8/27/2025 | 6:00:00 PM | 33.59723 | 51.79931 | 18.20208 | 29.17792 | 36.10676 | 2.50953 | 45.83047 | 33.52879 | -0.06844 | 49.53844 | 43.38782 | 9.79059 | 32.41941 |
| 8/27/2025 | 7:00:00 PM | 33.59723 | 51.79573 | 18.1985 | 29.1815 | 36.11033 | 2.5131 | 45.8269 | 33.52515 | -0.07208 | 49.54208 | 43.39139 | 9.79416 | 32.41584 |
| 8/27/2025 | 8:00:00 PM | 33.59388 | 51.78143 | 18.18755 | 29.19245 | 36.11391 | 2.52003 | 45.81997 | 33.52515 | -0.06873 | 49.53873 | 43.39139 | 9.79751 | 32.41249 |
| 8/27/2025 | 9:00:00 PM | 33.60726 | 51.785 | 18.17774 | 29.20226 | 36.11033 | 2.50307 | 45.83693 | 33.53605 | -0.07121 | 49.54121 | 43.4021 | 9.79484 | 32.41516 |
| 8/27/2025 | 10:00:00 PM | 33.62064 | 51.79216 | 18.17152 | 29.20848 | 36.11749 | 2.49685 | 45.84315 | 33.53969 | -0.08095 | 49.55095 | 43.40925 | 9.78861 | 32.42139 |
| 8/27/2025 | 11:00:00 PM | 33.6106 | 51.79216 | 18.18156 | 29.19844 | 36.12465 | 2.51405 | 45.82595 | 33.53969 | -0.07091 | 49.54091 | 43.41282 | 9.80222 | 32.40778 |
| 8/28/2025 | 12:00:00 AM | 33.63067 | 51.81719 | 18.18652 | 29.19348 | 36.12823 | 2.49756 | 45.84244 | 33.55059 | -0.08008 | 49.55008 | 43.41996 | 9.78929 | 32.42071 |
| 8/28/2025 | 1:00:00 AM | 33.65073 | 51.83865 | 18.18792 | 29.19208 | 36.13181 | 2.48108 | 45.85892 | 33.55786 | -0.09287 | 49.56287 | 43.43425 | 9.78352 | 32.42648 |
| 8/28/2025 | 2:00:00 AM | 33.64739 | 51.84222 | 18.19483 | 29.18517 | 36.13897 | 2.49158 | 45.84842 | 33.56876 | -0.07863 | 49.54863 | 43.43067 | 9.78328 | 32.42672 |
| 8/28/2025 | 3:00:00 AM | 33.65742 | 51.8601 | 18.20268 | 29.17732 | 36.13897 | 2.48155 | 45.85845 | 33.5724 | -0.08502 | 49.55502 | 43.44139 | 9.78397 | 32.42603 |
| 8/28/2025 | 4:00:00 AM | 33.65408 | 51.88871 | 18.23463 | 29.14537 | 36.14255 | 2.48847 | 45.85153 | 33.57603 | -0.07805 | 49.54805 | 43.44853 | 9.79445 | 32.41555 |
| 8/28/2025 | 5:00:00 AM | 33.65742 | 51.88156 | 18.22414 | 29.15586 | 36.14613 | 2.48871 | 45.85129 | 33.57603 | -0.08139 | 49.55139 | 43.44139 | 9.78397 | 32.42603 |
| 8/28/2025 | 6:00:00 AM | 33.65408 | 51.89944 | 18.24536 | 29.13464 | 36.15687 | 2.50279 | 45.83721 | 33.57966 | -0.07442 | 49.54442 | 43.44496 | 9.79088 | 32.41912 |
| 8/28/2025 | 7:00:00 AM | 33.66411 | 51.91732 | 18.25321 | 29.12679 | 36.16045 | 2.49634 | 45.84366 | 33.5833 | -0.08081 | 49.55081 | 43.44853 | 9.78442 | 32.42558 |
| 8/28/2025 | 8:00:00 AM | 33.6708 | 51.92805 | 18.25725 | 29.12275 | 36.16403 | 2.49323 | 45.84677 | 33.5942 | -0.0766 | 49.5466 | 43.46282 | 9.79202 | 32.41798 |
| 8/28/2025 | 9:00:00 AM | 33.68417 | 51.96023 | 18.27606 | 29.10394 | 36.16761 | 2.48344 | 45.85656 | 33.6051 | -0.07907 | 49.54907 | 43.4771 | 9.79293 | 32.41707 |
| 8/28/2025 | 10:00:00 AM | 33.69086 | 51.97454 | 18.28368 | 29.09632 | 36.17477 | 2.48391 | 45.85609 | 33.60874 | -0.08212 | 49.55212 | 43.48067 | 9.78981 | 32.42019 |
| 8/28/2025 | 11:00:00 AM | 33.68752 | 51.98169 | 18.29417 | 29.08583 | 36.17835 | 2.49083 | 45.84917 | 33.6051 | -0.08242 | 49.55242 | 43.4771 | 9.78958 | 32.42042 |
| 8/28/2025 | 12:00:00 PM | 33.68083 | 51.99242 | 18.31159 | 29.06841 | 36.18551 | 2.50468 | 45.83532 | 33.6051 | -0.07573 | 49.54573 | 43.46996 | 9.78913 | 32.42087 |
| 8/28/2025 | 1:00:00 PM | 33.68083 | 51.99957 | 18.31874 | 29.06126 | 36.18908 | 2.50825 | 45.83175 | 33.60874 | -0.07209 | 49.54209 | 43.47353 | 9.7927 | 32.4173 |
| 8/28/2025 | 2:00:00 PM | 33.6708 | 51.99957 | 18.32877 | 29.05123 | 36.18908 | 2.51828 | 45.82172 | 33.60147 | -0.06933 | 49.53933 | 43.47353 | 9.80273 | 32.40727 |
| 8/28/2025 | 3:00:00 PM | 33.65742 | 51.97811 | 18.32069 | 29.05931 | 36.19624 | 2.53882 | 45.80118 | 33.5942 | -0.06322 | 49.53322 | 43.46639 | 9.80897 | 32.40103 |
| 8/28/2025 | 4:00:00 PM | 33.63736 | 51.96023 | 18.32287 | 29.05713 | 36.18908 | 2.55172 | 45.78828 | 33.57603 | -0.06133 | 49.53133 | 43.44139 | 9.80403 | 32.40597 |
| 8/28/2025 | 5:00:00 PM | 33.61729 | 51.9495 | 18.33221 | 29.04779 | 36.18908 | 2.57179 | 45.76821 | 33.56513 | -0.05216 | 49.52216 | 43.43782 | 9.82053 | 32.38947 |
| 8/28/2025 | 6:00:00 PM | 33.60057 | 51.93162 | 18.33105 | 29.04895 | 36.19624 | 2.59567 | 45.74433 | 33.55059 | -0.04998 | 49.51998 | 43.4271 | 9.82653 | 32.38347 |
| 8/28/2025 | 7:00:00 PM | 33.60726 | 51.93162 | 18.32436 | 29.05564 | 36.18908 | 2.58182 | 45.75818 | 33.54696 | -0.0603 | 49.5303 | 43.42353 | 9.81627 | 32.39373 |
| 8/28/2025 | 8:00:00 PM | 33.60392 | 51.9352 | 18.33128 | 29.04872 | 36.18551 | 2.58159 | 45.75841 | 33.54332 | -0.0606 | 49.5306 | 43.41996 | 9.81604 | 32.39396 |
| 8/28/2025 | 9:00:00 PM | 33.61395 | 51.93877 | 18.32482 | 29.05518 | 36.17835 | 2.5644 | 45.7756 | 33.54696 | -0.06699 | 49.53699 | 43.43067 | 9.81672 | 32.39328 |
| 8/28/2025 | 10:00:00 PM | 33.61729 | 51.94593 | 18.32864 | 29.05136 | 36.17477 | 2.55748 | 45.78252 | 33.54332 | -0.07397 | 49.54397 | 43.43067 | 9.81338 | 32.39662 |
| 8/28/2025 | 11:00:00 PM | 33.62064 | 51.9495 | 18.32886 | 29.05114 | 36.17835 | 2.55771 | 45.78229 | 33.55422 | -0.06642 | 49.53642 | 43.4271 | 9.80646 | 32.40354 |
| 8/29/2025 | 12:00:00 AM | 33.61729 | 51.93877 | 18.32148 | 29.05852 | 36.17119 | 2.5539 | 45.7861 | 33.54332 | -0.07397 | 49.54397 | 43.42353 | 9.80624 | 32.40376 |
| 8/29/2025 | 1:00:00 AM | 33.61395 | 51.93877 | 18.32482 | 29.05518 | 36.17477 | 2.56082 | 45.77918 | 33.55059 | -0.06336 | 49.53336 | 43.41282 | 9.79887 | 32.41113 |
| 8/29/2025 | 2:00:00 AM | 33.61395 | 51.9495 | 18.33555 | 29.04445 | 36.16761 | 2.55366 | 45.78634 | 33.54696 | -0.06699 | 49.53699 | 43.42353 | 9.80958 | 32.40042 |
| 8/29/2025 | 3:00:00 AM | 33.61729 | 51.95666 | 18.33937 | 29.04063 | 36.16403 | 2.54674 | 45.79326 | 33.55059 | -0.0667 | 49.5367 | 43.41639 | 9.7991 | 32.4109 |
| 8/29/2025 | 4:00:00 AM | 33.63401 | 51.97454 | 18.34053 | 29.03947 | 36.16403 | 2.53002 | 45.80998 | 33.55059 | -0.08342 | 49.55342 | 43.43425 | 9.80024 | 32.40976 |
| 8/29/2025 | 5:00:00 AM | 33.63736 | 51.99599 | 18.35863 | 29.02137 | 36.16045 | 2.52309 | 45.81691 | 33.56149 | -0.07587 | 49.54587 | 43.43425 | 9.79689 | 32.41311 |
| 8/29/2025 | 6:00:00 AM | 33.65408 | 52.00672 | 18.35264 | 29.02736 | 36.16761 | 2.51353 | 45.82647 | 33.56876 | -0.08532 | 49.55532 | 43.44139 | 9.78731 | 32.42269 |
| 8/29/2025 | 7:00:00 AM | 33.67414 | 51.97454 | 18.3004 | 29.0796 | 36.15687 | 2.48273 | 45.85727 | 33.5833 | -0.09084 | 49.56084 | 43.45567 | 9.78153 | 32.42847 |
| 8/29/2025 | 8:00:00 AM | 33.67748 | 51.98526 | 18.30778 | 29.07222 | 36.17119 | 2.49371 | 45.84629 | 33.59783 | -0.07965 | 49.54965 | 43.46639 | 9.78891 | 32.42109 |
| 8/29/2025 | 9:00:00 AM | 33.68417 | 51.99957 | 18.3154 | 29.0646 | 36.17835 | 2.49418 | 45.84582 | 33.60874 | -0.07543 | 49.54543 | 43.46639 | 9.78222 | 32.42778 |
| 8/29/2025 | 10:00:00 AM | 33.6942 | 52.01387 | 18.31967 | 29.06033 | 36.18551 | 2.49131 | 45.84869 | 33.61237 | -0.08183 | 49.55183 | 43.4771 | 9.7829 | 32.4271 |
| 8/29/2025 | 11:00:00 AM | 33.70758 | 52.0389 | 18.33132 | 29.04868 | 36.18908 | 2.4815 | 45.8585 | 33.62327 | -0.08431 | 49.55431 | 43.48067 | 9.77309 | 32.43691 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/29/2025 | 12:00:00 PM | 33.71092 | 52.03533 | 18.32441 | 29.05559 | 36.18908 | 2.47816 | 45.86184 | 33.63054 | -0.08038 | 49.55038 | 43.48424 | 9.77332 | 32.43668 |
| 8/29/2025 | 1:00:00 PM | 33.70089 | 52.0389 | 18.33801 | 29.04199 | 36.19982 | 2.49893 | 45.84107 | 33.62691 | -0.07398 | 49.54398 | 43.48424 | 9.78335 | 32.42665 |
| 8/29/2025 | 2:00:00 PM | 33.70089 | 52.0389 | 18.33801 | 29.04199 | 36.19982 | 2.49893 | 45.84107 | 33.63054 | -0.07035 | 49.54035 | 43.48424 | 9.78335 | 32.42665 |
| 8/29/2025 | 3:00:00 PM | 33.68752 | 51.96023 | 18.27271 | 29.10729 | 36.2034 | 2.51588 | 45.82412 | 33.60874 | -0.07878 | 49.54878 | 43.47353 | 9.78601 | 32.42399 |
| 8/29/2025 | 4:00:00 PM | 33.67748 | 51.95666 | 18.27918 | 29.10082 | 36.2034 | 2.52592 | 45.81408 | 33.61237 | -0.06511 | 49.53511 | 43.4771 | 9.79962 | 32.41038 |
| 8/29/2025 | 5:00:00 PM | 33.67414 | 51.9495 | 18.27536 | 29.10464 | 36.2034 | 2.52926 | 45.81074 | 33.6051 | -0.06904 | 49.53904 | 43.47353 | 9.79939 | 32.41061 |
| 8/29/2025 | 6:00:00 PM | 33.67748 | 51.93877 | 18.26129 | 29.11871 | 36.21056 | 2.53308 | 45.80692 | 33.61237 | -0.06511 | 49.53511 | 43.47353 | 9.79605 | 32.41395 |
| 8/29/2025 | 7:00:00 PM | 33.68083 | 51.94593 | 18.2651 | 29.1149 | 36.21772 | 2.53689 | 45.80311 | 33.61237 | -0.06846 | 49.53846 | 43.47353 | 9.7927 | 32.4173 |
| 8/29/2025 | 8:00:00 PM | 33.69755 | 51.95308 | 18.25553 | 29.12447 | 36.21056 | 2.51301 | 45.82699 | 33.61601 | -0.08154 | 49.55154 | 43.48067 | 9.78312 | 32.42688 |
| 8/29/2025 | 9:00:00 PM | 33.71092 | 51.96738 | 18.25646 | 29.12354 | 36.21414 | 2.50322 | 45.83678 | 33.63418 | -0.07674 | 49.54674 | 43.49496 | 9.78404 | 32.42596 |
| 8/29/2025 | 10:00:00 PM | 33.72096 | 51.98169 | 18.26073 | 29.11927 | 36.20698 | 2.48602 | 45.85398 | 33.64508 | -0.07588 | 49.54588 | 43.49853 | 9.77757 | 32.43243 |
| 8/29/2025 | 11:00:00 PM | 33.73099 | 51.97454 | 18.24355 | 29.13645 | 36.21772 | 2.48673 | 45.85327 | 33.63418 | -0.09681 | 49.56681 | 43.49853 | 9.76754 | 32.44246 |
| 8/30/2025 | 12:00:00 AM | 33.71761 | 51.98169 | 18.26408 | 29.11592 | 36.2213 | 2.50369 | 45.83631 | 33.65235 | -0.06526 | 49.53526 | 43.49496 | 9.77735 | 32.43265 |
| 8/30/2025 | 1:00:00 AM | 33.7243 | 51.99242 | 18.26812 | 29.11188 | 36.2213 | 2.497 | 45.843 | 33.64508 | -0.07922 | 49.54922 | 43.5021 | 9.7778 | 32.4322 |
| 8/30/2025 | 2:00:00 AM | 33.72764 | 52.00314 | 18.2755 | 29.1045 | 36.22488 | 2.49724 | 45.84276 | 33.64871 | -0.07893 | 49.54893 | 43.50924 | 9.7816 | 32.4284 |
| 8/30/2025 | 3:00:00 AM | 33.73099 | 52.01387 | 18.28288 | 29.09712 | 36.23204 | 2.50105 | 45.83895 | 33.65598 | -0.07501 | 49.54501 | 43.51639 | 9.7854 | 32.4246 |
| 8/30/2025 | 4:00:00 AM | 33.75105 | 52.0246 | 18.27355 | 29.10645 | 36.23562 | 2.48457 | 45.85543 | 33.65962 | -0.09143 | 49.56143 | 43.51996 | 9.76891 | 32.44109 |
| 8/30/2025 | 5:00:00 AM | 33.73099 | 52.02818 | 18.29719 | 29.08281 | 36.24278 | 2.51179 | 45.82821 | 33.66325 | -0.06774 | 49.53774 | 43.51281 | 9.78182 | 32.42818 |
| 8/30/2025 | 6:00:00 AM | 33.73768 | 52.0389 | 18.30122 | 29.07878 | 36.2392 | 2.50152 | 45.83848 | 33.65598 | -0.0817 | 49.5517 | 43.51996 | 9.78228 | 32.42772 |
| 8/30/2025 | 7:00:00 AM | 33.74771 | 52.05321 | 18.3055 | 29.0745 | 36.24994 | 2.50223 | 45.83777 | 33.67415 | -0.07356 | 49.54356 | 43.5271 | 9.77939 | 32.43061 |
| 8/30/2025 | 8:00:00 AM | 33.75105 | 52.05321 | 18.30216 | 29.07784 | 36.24994 | 2.49889 | 45.84111 | 33.67052 | -0.08053 | 49.55053 | 43.53067 | 9.77962 | 32.43038 |
| 8/30/2025 | 9:00:00 AM | 33.75774 | 52.08182 | 18.32408 | 29.05592 | 36.25352 | 2.49578 | 45.84422 | 33.67779 | -0.07995 | 49.54995 | 43.53781 | 9.78007 | 32.42993 |
| 8/30/2025 | 10:00:00 AM | 33.7544 | 52.08182 | 18.32742 | 29.05258 | 36.2571 | 2.5027 | 45.8373 | 33.68142 | -0.07298 | 49.54298 | 43.53781 | 9.78341 | 32.42659 |
| 8/30/2025 | 11:00:00 AM | 33.74771 | 52.07824 | 18.33053 | 29.04947 | 36.25352 | 2.50581 | 45.83419 | 33.67415 | -0.07356 | 49.54356 | 43.53067 | 9.78296 | 32.42704 |
| 8/30/2025 | 12:00:00 PM | 33.73768 | 52.07467 | 18.33699 | 29.04301 | 36.2571 | 2.51942 | 45.82058 | 33.66688 | -0.0708 | 49.5408 | 43.51639 | 9.77871 | 32.43129 |
| 8/30/2025 | 1:00:00 PM | 33.71761 | 52.06036 | 18.34275 | 29.03725 | 36.26068 | 2.54307 | 45.79693 | 33.65598 | -0.06163 | 49.53163 | 43.51281 | 9.7952 | 32.4148 |
| 8/30/2025 | 2:00:00 PM | 33.72096 | 52.06394 | 18.34298 | 29.03702 | 36.26068 | 2.53972 | 45.80028 | 33.65235 | -0.06861 | 49.53861 | 43.51281 | 9.79185 | 32.41815 |
| 8/30/2025 | 3:00:00 PM | 33.70424 | 52.04606 | 18.34182 | 29.03818 | 36.2571 | 2.55286 | 45.78714 | 33.64871 | -0.05553 | 49.52553 | 43.5021 | 9.79786 | 32.41214 |
| 8/30/2025 | 4:00:00 PM | 33.68417 | 52.02818 | 18.34401 | 29.03599 | 36.24994 | 2.56577 | 45.77423 | 33.62327 | -0.0609 | 49.5309 | 43.48781 | 9.80364 | 32.40636 |
| 8/30/2025 | 5:00:00 PM | 33.67748 | 51.99957 | 18.32209 | 29.05791 | 36.25352 | 2.57604 | 45.76396 | 33.61964 | -0.05784 | 49.52784 | 43.48067 | 9.80319 | 32.40681 |
| 8/30/2025 | 6:00:00 PM | 33.67748 | 51.98526 | 18.30778 | 29.07222 | 36.25352 | 2.57604 | 45.76396 | 33.61964 | -0.05784 | 49.52784 | 43.48067 | 9.80319 | 32.40681 |
| 8/30/2025 | 7:00:00 PM | 33.6708 | 51.97454 | 18.30374 | 29.07626 | 36.25352 | 2.58272 | 45.75728 | 33.60874 | -0.06206 | 49.53206 | 43.46996 | 9.79916 | 32.41084 |
| 8/30/2025 | 8:00:00 PM | 33.66411 | 51.97454 | 18.31043 | 29.06957 | 36.24278 | 2.57867 | 45.76133 | 33.60874 | -0.05537 | 49.52537 | 43.46996 | 9.80585 | 32.40415 |
| 8/30/2025 | 9:00:00 PM | 33.68752 | 51.98526 | 18.29774 | 29.08226 | 36.23562 | 2.5481 | 45.7919 | 33.61237 | -0.07515 | 49.54515 | 43.48067 | 9.79315 | 32.41685 |
| 8/30/2025 | 10:00:00 PM | 33.67748 | 51.97454 | 18.29706 | 29.08294 | 36.24278 | 2.5653 | 45.7747 | 33.60874 | -0.06874 | 49.53874 | 43.46996 | 9.79248 | 32.41752 |
| 8/30/2025 | 11:00:00 PM | 33.6708 | 51.96381 | 18.29301 | 29.08699 | 36.23204 | 2.56124 | 45.77876 | 33.60874 | -0.06206 | 49.53206 | 43.45924 | 9.78844 | 32.42156 |
| 8/31/2025 | 12:00:00 AM | 33.67414 | 51.96738 | 18.29324 | 29.08676 | 36.23204 | 2.5579 | 45.7821 | 33.6051 | -0.06904 | 49.53904 | 43.45567 | 9.78153 | 32.42847 |
| 8/31/2025 | 1:00:00 AM | 33.66076 | 51.96738 | 18.30662 | 29.07338 | 36.22846 | 2.5677 | 45.7723 | 33.59783 | -0.06293 | 49.53293 | 43.45567 | 9.79491 | 32.41509 |
| 8/31/2025 | 2:00:00 AM | 33.66411 | 51.97454 | 18.31043 | 29.06957 | 36.22846 | 2.56435 | 45.77565 | 33.59783 | -0.06628 | 49.53628 | 43.4521 | 9.78799 | 32.42201 |
| 8/31/2025 | 3:00:00 AM | 33.66411 | 51.97454 | 18.31043 | 29.06957 | 36.22488 | 2.56077 | 45.77923 | 33.5942 | -0.06991 | 49.53991 | 43.44496 | 9.78085 | 32.42915 |
| 8/31/2025 | 4:00:00 AM | 33.64739 | 51.96738 | 18.31999 | 29.06001 | 36.21772 | 2.57033 | 45.76967 | 33.58693 | -0.06046 | 49.53046 | 43.43782 | 9.79043 | 32.41957 |
| 8/31/2025 | 5:00:00 AM | 33.64404 | 51.97096 | 18.32692 | 29.05308 | 36.21772 | 2.57368 | 45.76632 | 33.57966 | -0.06438 | 49.53438 | 43.43782 | 9.79378 | 32.41622 |
| 8/31/2025 | 6:00:00 AM | 33.63401 | 51.96023 | 18.32622 | 29.05378 | 36.21056 | 2.57655 | 45.76345 | 33.5724 | -0.06161 | 49.53161 | 43.43425 | 9.80024 | 32.40976 |
| 8/31/2025 | 7:00:00 AM | 33.63736 | 51.97454 | 18.33718 | 29.04282 | 36.21056 | 2.5732 | 45.7668 | 33.56513 | -0.07223 | 49.54223 | 43.43425 | 9.79689 | 32.41311 |
| 8/31/2025 | 8:00:00 AM | 33.65408 | 51.99242 | 18.33834 | 29.04166 | 36.2034 | 2.54932 | 45.79068 | 33.5724 | -0.08168 | 49.55168 | 43.43425 | 9.78017 | 32.42983 |
| 8/31/2025 | 9:00:00 AM | 33.66745 | 52.01387 | 18.34642 | 29.03358 | 36.21414 | 2.54669 | 45.79331 | 33.59057 | -0.07688 | 49.54688 | 43.4521 | 9.78465 | 32.42535 |
| 8/31/2025 | 10:00:00 AM | 33.68417 | 52.0389 | 18.35473 | 29.02527 | 36.19982 | 2.51565 | 45.82435 | 33.60147 | -0.0827 | 49.5527 | 43.46639 | 9.78222 | 32.42778 |
| 8/31/2025 | 11:00:00 AM | 33.65742 | 52.02102 | 18.3636 | 29.0164 | 36.2034 | 2.54598 | 45.79402 | 33.59057 | -0.06685 | 49.53685 | 43.43782 | 9.7804 | 32.4296 |
| 8/31/2025 | 12:00:00 PM | 33.65408 | 52.0103 | 18.35622 | 29.02378 | 36.19624 | 2.54216 | 45.79784 | 33.5833 | -0.07078 | 49.54078 | 43.43425 | 9.78017 | 32.42983 |
| 8/31/2025 | 1:00:00 PM | 33.64404 | 52.01387 | 18.36983 | 29.01017 | 36.19624 | 2.5522 | 45.7878 | 33.57966 | -0.06438 | 49.53438 | 43.4271 | 9.78306 | 32.42694 |
| 8/31/2025 | 2:00:00 PM | 33.63067 | 52.00672 | 18.37605 | 29.00395 | 36.19982 | 2.56915 | 45.77085 | 33.5724 | -0.05827 | 49.52827 | 43.41996 | 9.78929 | 32.42071 |
| 8/31/2025 | 3:00:00 PM | 33.62064 | 51.99599 | 18.37535 | 29.00465 | 36.19266 | 2.57202 | 45.76798 | 33.56149 | -0.05915 | 49.52915 | 43.40567 | 9.78503 | 32.42497 |
| 8/31/2025 | 4:00:00 PM | 33.60726 | 51.97811 | 18.37085 | 29.00915 | 36.19266 | 2.5854 | 45.7546 | 33.55059 | -0.05667 | 49.52667 | 43.40925 | 9.80199 | 32.40801 |
| 8/31/2025 | 5:00:00 PM | 33.59723 | 51.96738 | 18.37015 | 29.00985 | 36.18908 | 2.59185 | 45.74815 | 33.53969 | -0.05754 | 49.52754 | 43.39139 | 9.79416 | 32.41584 |
| 8/31/2025 | 6:00:00 PM | 33.60057 | 51.96381 | 18.36324 | 29.01676 | 36.17835 | 2.57778 | 45.76222 | 33.53969 | -0.06088 | 49.53088 | 43.39496 | 9.79439 | 32.41561 |
| 8/31/2025 | 7:00:00 PM | 33.60057 | 51.95666 | 18.35609 | 29.02391 | 36.17477 | 2.5742 | 45.7658 | 33.53605 | -0.06452 | 49.53452 | 43.39496 | 9.79439 | 32.41561 |
| 8/31/2025 | 8:00:00 PM | 33.62064 | 51.96023 | 18.33959 | 29.04041 | 36.17119 | 2.55055 | 45.78945 | 33.54696 | -0.07368 | 49.54368 | 43.4021 | 9.78146 | 32.42854 |
| 8/31/2025 | 9:00:00 PM | 33.6407 | 51.97096 | 18.33026 | 29.04974 | 36.16761 | 2.52691 | 45.81309 | 33.55059 | -0.09011 | 49.56011 | 43.41996 | 9.77926 | 32.43074 |
| 8/31/2025 | 10:00:00 PM | 33.64739 | 51.95308 | 18.30569 | 29.07431 | 36.16761 | 2.52022 | 45.81978 | 33.56876 | -0.07863 | 49.54863 | 43.41282 | 9.76543 | 32.44457 |
| 8/31/2025 | 11:00:00 PM | 33.6407 | 51.94593 | 18.30523 | 29.07477 | 36.16045 | 2.51975 | 45.82025 | 33.56513 | -0.07557 | 49.54557 | 43.4021 | 9.7614 | 32.4486 |
| 9/1/2025 | 12:00:00 AM | 33.65073 | 51.96381 | 18.31308 | 29.06692 | 36.16045 | 2.50972 | 45.83028 | 33.57966 | -0.07107 | 49.54107 | 43.4271 | 9.77637 | 32.43363 |
| 9/1/2025 | 1:00:00 AM | 33.64739 | 51.96381 | 18.31642 | 29.06358 | 36.16403 | 2.51664 | 45.82336 | 33.57603 | -0.07136 | 49.54136 | 43.40567 | 9.75828 | 32.45172 |
| 9/1/2025 | 2:00:00 AM | 33.65073 | 51.96381 | 18.31308 | 29.06692 | 36.16403 | 2.5133 | 45.8267 | 33.5724 | -0.07833 | 49.54833 | 43.40925 | 9.75852 | 32.45148 |
| 9/1/2025 | 3:00:00 AM | 33.66076 | 51.97811 | 18.31735 | 29.06265 | 36.16761 | 2.50685 | 45.83315 | 33.5833 | -0.07746 | 49.54746 | 43.41996 | 9.7592 | 32.4508 |
| 9/1/2025 | 4:00:00 AM | 33.67748 | 51.99242 | 18.31494 | 29.06506 | 36.16761 | 2.49013 | 45.84987 | 33.5942 | -0.08328 | 49.55328 | 43.43425 | 9.75677 | 32.45323 |
| 9/1/2025 | 5:00:00 AM | 33.67748 | 52.00314 | 18.32566 | 29.05434 | 36.16761 | 2.49013 | 45.84987 | 33.60147 | -0.07601 | 49.54601 | 43.44496 | 9.76748 | 32.44252 |
| 9/1/2025 | 6:00:00 AM | 33.68083 | 51.98526 | 18.30443 | 29.07557 | 36.17119 | 2.49036 | 45.84964 | 33.59783 | -0.083 | 49.553 | 43.44853 | 9.7677 | 32.4423 |
| 9/1/2025 | 7:00:00 AM | 33.70089 | 51.92089 | 18.22 | 29.16 | 36.17119 | 2.4703 | 45.8697 | 33.61601 | -0.08488 | 49.55488 | 43.4521 | 9.75121 | 32.45879 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/1/2025 | 8:00:00 AM | 33.69755 | 51.91732 | 18.21977 | 29.16023 | 36.18193 | 2.48438 | 45.85562 | 33.61964 | -0.07791 | 49.54791 | 43.4521 | 9.75455 | 32.45545 |
| 9/1/2025 | 9:00:00 AM | 33.70758 | 51.9352 | 18.22762 | 29.15238 | 36.18908 | 2.4815 | 45.8585 | 33.62327 | -0.08431 | 49.55431 | 43.46282 | 9.75524 | 32.45476 |
| 9/1/2025 | 10:00:00 AM | 33.70089 | 51.9352 | 18.23431 | 29.14569 | 36.18193 | 2.48104 | 45.85896 | 33.62691 | -0.07398 | 49.54398 | 43.45924 | 9.75835 | 32.45165 |
| 9/1/2025 | 11:00:00 AM | 33.70424 | 51.94593 | 18.24169 | 29.13831 | 36.18193 | 2.47769 | 45.86231 | 33.63054 | -0.0737 | 49.5437 | 43.46639 | 9.76215 | 32.44785 |
| 9/1/2025 | 12:00:00 PM | 33.6942 | 51.94235 | 18.24815 | 29.13185 | 36.18908 | 2.49488 | 45.84512 | 33.62327 | -0.07093 | 49.54093 | 43.46282 | 9.76862 | 32.44138 |
| 9/1/2025 | 1:00:00 PM | 33.68417 | 51.9352 | 18.25103 | 29.12897 | 36.19266 | 2.50849 | 45.83151 | 33.61964 | -0.06453 | 49.53453 | 43.45567 | 9.7715 | 32.4385 |
| 9/1/2025 | 2:00:00 PM | 33.6708 | 51.93162 | 18.26082 | 29.11918 | 36.19266 | 2.52186 | 45.81814 | 33.60874 | -0.06206 | 49.53206 | 43.44853 | 9.77773 | 32.43227 |
| 9/1/2025 | 3:00:00 PM | 33.66076 | 51.92447 | 18.26371 | 29.11629 | 36.19982 | 2.53906 | 45.80094 | 33.59783 | -0.06293 | 49.53293 | 43.43782 | 9.77706 | 32.43294 |
| 9/1/2025 | 4:00:00 PM | 33.65742 | 51.93162 | 18.2742 | 29.1058 | 36.19624 | 2.53882 | 45.80118 | 33.5942 | -0.06322 | 49.53322 | 43.44496 | 9.78754 | 32.42246 |
| 9/1/2025 | 5:00:00 PM | 33.66411 | 51.9352 | 18.27109 | 29.10891 | 36.19624 | 2.53213 | 45.80787 | 33.59783 | -0.06628 | 49.53628 | 43.44853 | 9.78442 | 32.42558 |
| 9/1/2025 | 6:00:00 PM | 33.66076 | 51.93877 | 18.27801 | 29.10199 | 36.19266 | 2.5319 | 45.8081 | 33.59783 | -0.06293 | 49.53293 | 43.44496 | 9.7842 | 32.4258 |
| 9/1/2025 | 7:00:00 PM | 33.66411 | 51.93877 | 18.27466 | 29.10534 | 36.19624 | 2.53213 | 45.80787 | 33.59057 | -0.07354 | 49.54354 | 43.44139 | 9.77728 | 32.43272 |
| 9/1/2025 | 8:00:00 PM | 33.6708 | 51.9352 | 18.2644 | 29.1156 | 36.19266 | 2.52186 | 45.81814 | 33.59783 | -0.07297 | 49.54297 | 43.43782 | 9.76702 | 32.44298 |
| 9/1/2025 | 9:00:00 PM | 33.67748 | 51.9352 | 18.25772 | 29.12228 | 36.18908 | 2.5116 | 45.8284 | 33.6051 | -0.07238 | 49.54238 | 43.44139 | 9.76391 | 32.44609 |
| 9/1/2025 | 10:00:00 PM | 33.68417 | 51.9495 | 18.26533 | 29.11467 | 36.19266 | 2.50849 | 45.83151 | 33.6051 | -0.07907 | 49.54907 | 43.44496 | 9.76079 | 32.44921 |
| 9/1/2025 | 11:00:00 PM | 33.67748 | 51.93877 | 18.26129 | 29.11871 | 36.19624 | 2.51876 | 45.82124 | 33.59783 | -0.07965 | 49.54965 | 43.44139 | 9.76391 | 32.44609 |
| 9/2/2025 | 12:00:00 AM | 33.70089 | 51.96381 | 18.26292 | 29.11708 | 36.19624 | 2.49535 | 45.84465 | 33.61601 | -0.08488 | 49.55488 | 43.46996 | 9.76907 | 32.44093 |
| 9/2/2025 | 1:00:00 AM | 33.70424 | 51.97454 | 18.2703 | 29.1097 | 36.19266 | 2.48842 | 45.85158 | 33.62691 | -0.07733 | 49.54733 | 43.45924 | 9.755 | 32.455 |
| 9/2/2025 | 2:00:00 AM | 33.70758 | 51.97096 | 18.26338 | 29.11662 | 36.19624 | 2.48866 | 45.85134 | 33.62691 | -0.08067 | 49.55067 | 43.45924 | 9.75166 | 32.45834 |
| 9/2/2025 | 3:00:00 AM | 33.71761 | 51.99599 | 18.27838 | 29.10162 | 36.19624 | 2.47863 | 45.86137 | 33.63418 | -0.08343 | 49.55343 | 43.47353 | 9.75592 | 32.45408 |
| 9/2/2025 | 4:00:00 AM | 33.71761 | 51.99957 | 18.28196 | 29.09804 | 36.19982 | 2.48221 | 45.85779 | 33.64508 | -0.07253 | 49.54253 | 43.47353 | 9.75592 | 32.45408 |
| 9/2/2025 | 5:00:00 AM | 33.71427 | 51.99957 | 18.2853 | 29.0947 | 36.2034 | 2.48913 | 45.85087 | 33.64144 | -0.07283 | 49.54283 | 43.47353 | 9.75926 | 32.45074 |
| 9/2/2025 | 6:00:00 AM | 33.71427 | 52.00314 | 18.28887 | 29.09113 | 36.20698 | 2.49271 | 45.84729 | 33.63781 | -0.07646 | 49.54646 | 43.47353 | 9.75926 | 32.45074 |
| 9/2/2025 | 7:00:00 AM | 33.71427 | 52.00314 | 18.28887 | 29.09113 | 36.2034 | 2.48913 | 45.85087 | 33.64144 | -0.07283 | 49.54283 | 43.47353 | 9.75926 | 32.45074 |
| 9/2/2025 | 8:00:00 AM | 33.71761 | 52.01387 | 18.29626 | 29.08374 | 36.20698 | 2.48937 | 45.85063 | 33.63781 | -0.0798 | 49.5498 | 43.4771 | 9.75949 | 32.45051 |
| 9/2/2025 | 9:00:00 AM | 33.71092 | 52.00672 | 18.2958 | 29.0842 | 36.20698 | 2.49606 | 45.84394 | 33.64508 | -0.06584 | 49.53584 | 43.46996 | 9.75904 | 32.45096 |
| 9/2/2025 | 10:00:00 AM | 33.72096 | 52.01387 | 18.29291 | 29.08709 | 36.21414 | 2.49318 | 45.84682 | 33.64508 | -0.07588 | 49.54588 | 43.48781 | 9.76685 | 32.44315 |
| 9/2/2025 | 11:00:00 AM | 33.71427 | 52.01387 | 18.2996 | 29.0804 | 36.21414 | 2.49987 | 45.84013 | 33.64144 | -0.07283 | 49.54283 | 43.48067 | 9.7664 | 32.4436 |
| 9/2/2025 | 12:00:00 PM | 33.70424 | 52.0103 | 18.30606 | 29.07394 | 36.21772 | 2.51348 | 45.82652 | 33.63418 | -0.07006 | 49.54006 | 43.46996 | 9.76572 | 32.44428 |
| 9/2/2025 | 1:00:00 PM | 33.68417 | 51.99957 | 18.3154 | 29.0646 | 36.21414 | 2.52997 | 45.81003 | 33.61601 | -0.06816 | 49.53816 | 43.46282 | 9.77865 | 32.43135 |
| 9/2/2025 | 2:00:00 PM | 33.66745 | 51.97811 | 18.31066 | 29.06934 | 36.21772 | 2.55027 | 45.78973 | 33.61237 | -0.05508 | 49.52508 | 43.43425 | 9.7668 | 32.4432 |
| 9/2/2025 | 3:00:00 PM | 33.64404 | 51.96381 | 18.31977 | 29.06023 | 36.21056 | 2.56652 | 45.77348 | 33.58693 | -0.05711 | 49.52711 | 43.41996 | 9.77592 | 32.43408 |
| 9/2/2025 | 4:00:00 PM | 33.62732 | 51.9352 | 18.30788 | 29.07212 | 36.20698 | 2.57966 | 45.76034 | 33.56876 | -0.05856 | 49.52856 | 43.40567 | 9.77835 | 32.43165 |
| 9/2/2025 | 5:00:00 PM | 33.63067 | 51.93877 | 18.3081 | 29.0719 | 36.21056 | 2.57989 | 45.76011 | 33.5724 | -0.05827 | 49.52827 | 43.41996 | 9.78929 | 32.42071 |
| 9/2/2025 | 6:00:00 PM | 33.63067 | 51.93162 | 18.30095 | 29.07905 | 36.19266 | 2.56199 | 45.77801 | 33.56149 | -0.06918 | 49.53918 | 43.40925 | 9.77858 | 32.43142 |
| 9/2/2025 | 7:00:00 PM | 33.62398 | 51.91732 | 18.29334 | 29.08666 | 36.18908 | 2.5651 | 45.7749 | 33.56876 | -0.05522 | 49.52522 | 43.40567 | 9.78169 | 32.42831 |
| 9/2/2025 | 8:00:00 PM | 33.62732 | 51.91732 | 18.29 | 29.09 | 36.18908 | 2.56176 | 45.77824 | 33.56513 | -0.06219 | 49.53219 | 43.40925 | 9.78193 | 32.42807 |
| 9/2/2025 | 9:00:00 PM | 33.61729 | 51.89944 | 18.28215 | 29.09785 | 36.17119 | 2.5539 | 45.7861 | 33.55786 | -0.05943 | 49.52943 | 43.39496 | 9.77767 | 32.43233 |
| 9/2/2025 | 10:00:00 PM | 33.62064 | 51.89229 | 18.27165 | 29.10835 | 36.17477 | 2.55413 | 45.78587 | 33.55786 | -0.06278 | 49.53278 | 43.38782 | 9.76718 | 32.44282 |
| 9/2/2025 | 11:00:00 PM | 33.63401 | 51.89944 | 18.26543 | 29.11457 | 36.17119 | 2.53718 | 45.80282 | 33.55786 | -0.07615 | 49.54615 | 43.39139 | 9.75738 | 32.45262 |
| 9/3/2025 | 12:00:00 AM | 33.6407 | 51.91017 | 18.26947 | 29.11053 | 36.17119 | 2.53049 | 45.80951 | 33.56876 | -0.07194 | 49.54194 | 43.40567 | 9.76497 | 32.44503 |
| 9/3/2025 | 1:00:00 AM | 33.65073 | 51.92447 | 18.27374 | 29.10626 | 36.16761 | 2.51688 | 45.82312 | 33.5724 | -0.07833 | 49.54833 | 43.40925 | 9.75852 | 32.45148 |
| 9/3/2025 | 2:00:00 AM | 33.65408 | 51.93162 | 18.27754 | 29.10246 | 36.17477 | 2.52069 | 45.81931 | 33.5833 | -0.07078 | 49.54078 | 43.40925 | 9.75517 | 32.45483 |
| 9/3/2025 | 3:00:00 AM | 33.65408 | 51.93162 | 18.27754 | 29.10246 | 36.16403 | 2.50995 | 45.83005 | 33.57603 | -0.07805 | 49.54805 | 43.40567 | 9.75159 | 32.45841 |
| 9/3/2025 | 4:00:00 AM | 33.66745 | 51.95308 | 18.28563 | 29.09437 | 36.16403 | 2.49658 | 45.84342 | 33.5942 | -0.07325 | 49.54325 | 43.41639 | 9.74894 | 32.46106 |
| 9/3/2025 | 5:00:00 AM | 33.65073 | 51.94235 | 18.29162 | 29.08838 | 36.16403 | 2.5133 | 45.8267 | 33.58693 | -0.0638 | 49.5338 | 43.4021 | 9.75137 | 32.45863 |
| 9/3/2025 | 6:00:00 AM | 33.67414 | 51.96738 | 18.29324 | 29.08676 | 36.16761 | 2.49347 | 45.84653 | 33.5942 | -0.07994 | 49.54994 | 43.41996 | 9.74582 | 32.46418 |
| 9/3/2025 | 7:00:00 AM | 33.68417 | 51.97811 | 18.29394 | 29.08606 | 36.16403 | 2.47986 | 45.86014 | 33.60147 | -0.0827 | 49.5527 | 43.43425 | 9.75008 | 32.45992 |
| 9/3/2025 | 8:00:00 AM | 33.70089 | 51.99242 | 18.29153 | 29.08847 | 36.16761 | 2.46672 | 45.87328 | 33.61237 | -0.08852 | 49.55852 | 43.43782 | 9.73693 | 32.47307 |
| 9/3/2025 | 9:00:00 AM | 33.6942 | 51.99957 | 18.30537 | 29.07463 | 36.17119 | 2.47699 | 45.86301 | 33.61601 | -0.07819 | 49.54819 | 43.43782 | 9.74362 | 32.46638 |
| 9/3/2025 | 10:00:00 AM | 33.68752 | 51.99957 | 18.31205 | 29.06795 | 36.17119 | 2.48367 | 45.85633 | 33.61237 | -0.07515 | 49.54515 | 43.43067 | 9.74315 | 32.46685 |
| 9/3/2025 | 11:00:00 AM | 33.68752 | 51.99599 | 18.30847 | 29.07153 | 36.17477 | 2.48725 | 45.85275 | 33.6051 | -0.08242 | 49.55242 | 43.43067 | 9.74315 | 32.46685 |
| 9/3/2025 | 12:00:00 PM | 33.66411 | 51.98526 | 18.32115 | 29.05885 | 36.17835 | 2.51424 | 45.82576 | 33.59783 | -0.06628 | 49.53628 | 43.41639 | 9.75228 | 32.45772 |
| 9/3/2025 | 1:00:00 PM | 33.6407 | 51.97096 | 18.33026 | 29.04974 | 36.17477 | 2.53407 | 45.80593 | 33.58693 | -0.05377 | 49.52377 | 43.4021 | 9.7614 | 32.4486 |
| 9/3/2025 | 2:00:00 PM | 33.62398 | 51.96023 | 18.33625 | 29.04375 | 36.17835 | 2.55437 | 45.78563 | 33.57603 | -0.04795 | 49.51795 | 43.4021 | 9.77812 | 32.43188 |
| 9/3/2025 | 3:00:00 PM | 33.60392 | 51.9352 | 18.33128 | 29.04872 | 36.17477 | 2.57085 | 45.76915 | 33.54696 | -0.05696 | 49.52696 | 43.37353 | 9.76961 | 32.44039 |
| 9/3/2025 | 4:00:00 PM | 33.59054 | 51.91732 | 18.32678 | 29.05322 | 36.16761 | 2.57707 | 45.76293 | 33.53605 | -0.05449 | 49.52449 | 43.36282 | 9.77228 | 32.43772 |
| 9/3/2025 | 5:00:00 PM | 33.57716 | 51.89586 | 18.3187 | 29.0613 | 36.16403 | 2.58687 | 45.75313 | 33.52515 | -0.05201 | 49.52201 | 43.35925 | 9.78209 | 32.42791 |
| 9/3/2025 | 6:00:00 PM | 33.56713 | 51.87798 | 18.31085 | 29.06915 | 36.15329 | 2.58616 | 45.75384 | 33.51788 | -0.04925 | 49.51925 | 43.34853 | 9.7814 | 32.4286 |
| 9/3/2025 | 7:00:00 PM | 33.57382 | 51.86368 | 18.28986 | 29.09014 | 36.15687 | 2.58305 | 45.75695 | 33.51061 | -0.06321 | 49.53321 | 43.34853 | 9.77471 | 32.43529 |
| 9/3/2025 | 8:00:00 PM | 33.59054 | 51.88156 | 18.29102 | 29.08898 | 36.14971 | 2.55917 | 45.78083 | 33.52152 | -0.06902 | 49.53902 | 43.36282 | 9.77228 | 32.43772 |
| 9/3/2025 | 9:00:00 PM | 33.6106 | 51.88156 | 18.27096 | 29.10904 | 36.13897 | 2.52837 | 45.81163 | 33.52879 | -0.08181 | 49.55181 | 43.36996 | 9.75936 | 32.45064 |
| 9/3/2025 | 10:00:00 PM | 33.61729 | 51.89229 | 18.275 | 29.105 | 36.13539 | 2.5181 | 45.8219 | 33.54332 | -0.07397 | 49.54397 | 43.36639 | 9.7491 | 32.4609 |
| 9/3/2025 | 11:00:00 PM | 33.62732 | 51.88871 | 18.26139 | 29.11861 | 36.13181 | 2.50449 | 45.83551 | 33.55059 | -0.07673 | 49.54673 | 43.36639 | 9.73907 | 32.47093 |
| 9/4/2025 | 12:00:00 AM | 33.6106 | 51.87798 | 18.26738 | 29.11262 | 36.13181 | 2.52121 | 45.81879 | 33.54332 | -0.06728 | 49.53728 | 43.34853 | 9.73793 | 32.47207 |
| 9/4/2025 | 1:00:00 AM | 33.59723 | 51.87083 | 18.2736 | 29.1064 | 36.12823 | 2.531 | 45.809 | 33.53242 | -0.06481 | 49.53481 | 43.34496 | 9.74773 | 32.46227 |
| 9/4/2025 | 2:00:00 AM | 33.59723 | 51.86368 | 18.26645 | 29.11355 | 36.12823 | 2.531 | 45.809 | 33.53242 | -0.06481 | 49.53481 | 43.34496 | 9.74773 | 32.46227 |
| 9/4/2025 | 3:00:00 AM | 33.60726 | 51.87798 | 18.27072 | 29.10928 | 36.12465 | 2.51739 | 45.82261 | 33.53242 | -0.07484 | 49.54484 | 43.35925 | 9.75199 | 32.45801 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/4/2025 | 4:00:00 AM | 33.59723 | 51.87798 | 18.28075 | 29.09925 | 36.11749 | 2.52026 | 45.81974 | 33.52515 | -0.07208 | 49.54208 | 43.34496 | 9.74773 | 32.46227 |
| 9/4/2025 | 5:00:00 AM | 33.59388 | 51.87798 | 18.2841 | 29.0959 | 36.11749 | 2.52361 | 45.81639 | 33.52515 | -0.06873 | 49.53873 | 43.34139 | 9.74751 | 32.46249 |
| 9/4/2025 | 6:00:00 AM | 33.60057 | 51.88513 | 18.28456 | 29.09544 | 36.11749 | 2.51692 | 45.82308 | 33.52515 | -0.07542 | 49.54542 | 43.34496 | 9.74439 | 32.46561 |
| 9/4/2025 | 7:00:00 AM | 33.59388 | 51.88871 | 18.29483 | 29.08517 | 36.11391 | 2.52003 | 45.81997 | 33.52515 | -0.06873 | 49.53873 | 43.34496 | 9.75108 | 32.45892 |
| 9/4/2025 | 8:00:00 AM | 33.5872 | 51.88513 | 18.29793 | 29.08207 | 36.12465 | 2.53745 | 45.80255 | 33.51425 | -0.07295 | 49.54295 | 43.33425 | 9.74705 | 32.46295 |
| 9/4/2025 | 9:00:00 AM | 33.57382 | 51.88156 | 18.30774 | 29.07226 | 36.11391 | 2.54009 | 45.79991 | 33.51061 | -0.06321 | 49.53321 | 43.33425 | 9.76043 | 32.44957 |
| 9/4/2025 | 10:00:00 AM | 33.57382 | 51.88156 | 18.30774 | 29.07226 | 36.11033 | 2.53651 | 45.80349 | 33.50335 | -0.07047 | 49.54047 | 43.32353 | 9.74971 | 32.46029 |
| 9/4/2025 | 11:00:00 AM | 33.56044 | 51.87441 | 18.31397 | 29.06603 | 36.10676 | 2.54632 | 45.79368 | 33.50335 | -0.05709 | 49.52709 | 43.31282 | 9.75238 | 32.45762 |
| 9/4/2025 | 12:00:00 PM | 33.54372 | 51.87441 | 18.33069 | 29.04931 | 36.10676 | 2.56304 | 45.77696 | 33.48881 | -0.05491 | 49.52491 | 43.30211 | 9.75839 | 32.45161 |
| 9/4/2025 | 1:00:00 PM | 33.52032 | 51.85295 | 18.33263 | 29.04737 | 36.10318 | 2.58286 | 45.75714 | 33.46337 | -0.05695 | 49.52695 | 43.28782 | 9.7675 | 32.4425 |
| 9/4/2025 | 2:00:00 PM | 33.49691 | 51.83507 | 18.33816 | 29.04184 | 36.09244 | 2.59553 | 45.74447 | 33.44883 | -0.04808 | 49.51808 | 43.26996 | 9.77305 | 32.43695 |
| 9/4/2025 | 3:00:00 PM | 33.46347 | 51.81004 | 18.34657 | 29.03343 | 36.08886 | 2.62539 | 45.71461 | 33.4343 | -0.02917 | 49.49917 | 43.24497 | 9.7815 | 32.4285 |
| 9/4/2025 | 4:00:00 PM | 33.4434 | 51.785 | 18.3416 | 29.0384 | 36.07454 | 2.63114 | 45.70886 | 33.41249 | -0.03091 | 49.50091 | 43.23068 | 9.78728 | 32.42272 |
| 9/4/2025 | 5:00:00 PM | 33.43337 | 51.75997 | 18.3266 | 29.0534 | 36.0638 | 2.63043 | 45.70957 | 33.38705 | -0.04632 | 49.51632 | 43.2164 | 9.78303 | 32.42697 |
| 9/4/2025 | 6:00:00 PM | 33.42334 | 51.72421 | 18.30087 | 29.07913 | 36.05664 | 2.6333 | 45.7067 | 33.37979 | -0.04355 | 49.51355 | 43.20211 | 9.77877 | 32.43123 |
| 9/4/2025 | 7:00:00 PM | 33.41665 | 51.71348 | 18.29683 | 29.08317 | 36.04232 | 2.62567 | 45.71433 | 33.36888 | -0.04777 | 49.51777 | 43.18782 | 9.77117 | 32.43883 |
| 9/4/2025 | 8:00:00 PM | 33.42668 | 51.70991 | 18.28323 | 29.09677 | 36.03159 | 2.60491 | 45.73509 | 33.36161 | -0.06507 | 49.53507 | 43.1914 | 9.76472 | 32.44528 |
| 9/4/2025 | 9:00:00 PM | 33.43337 | 51.72063 | 18.28726 | 29.09274 | 36.02085 | 2.58748 | 45.75252 | 33.36888 | -0.06449 | 49.53449 | 43.19854 | 9.76517 | 32.44483 |
| 9/4/2025 | 10:00:00 PM | 33.43672 | 51.72421 | 18.28749 | 29.09251 | 36.01369 | 2.57697 | 45.76303 | 33.37615 | -0.06057 | 49.53057 | 43.1914 | 9.75468 | 32.45532 |
| 9/4/2025 | 11:00:00 PM | 33.43672 | 51.72063 | 18.28391 | 29.09609 | 36.00653 | 2.56981 | 45.77019 | 33.37252 | -0.0642 | 49.5342 | 43.1914 | 9.75468 | 32.45532 |
| 9/5/2025 | 12:00:00 AM | 33.44006 | 51.71348 | 18.27342 | 29.10658 | 35.99579 | 2.55573 | 45.78427 | 33.37252 | -0.06754 | 49.53754 | 43.18425 | 9.74419 | 32.46581 |
| 9/5/2025 | 1:00:00 AM | 33.43337 | 51.70991 | 18.27654 | 29.10346 | 35.98147 | 2.5481 | 45.7919 | 33.36525 | -0.06812 | 49.53812 | 43.18425 | 9.75088 | 32.45912 |
| 9/5/2025 | 2:00:00 AM | 33.43003 | 51.71706 | 18.28703 | 29.09297 | 35.99221 | 2.56218 | 45.77782 | 33.35798 | -0.07205 | 49.54205 | 43.18425 | 9.75422 | 32.45578 |
| 9/5/2025 | 3:00:00 AM | 33.43672 | 51.72063 | 18.28391 | 29.09609 | 35.98147 | 2.54475 | 45.79525 | 33.36161 | -0.07511 | 49.54511 | 43.17711 | 9.74039 | 32.46961 |
| 9/5/2025 | 4:00:00 AM | 33.43337 | 51.72063 | 18.28726 | 29.09274 | 35.97431 | 2.54094 | 45.79906 | 33.36888 | -0.06449 | 49.53449 | 43.17711 | 9.74374 | 32.46626 |
| 9/5/2025 | 5:00:00 AM | 33.43672 | 51.73852 | 18.3018 | 29.0782 | 35.97431 | 2.53759 | 45.80241 | 33.37252 | -0.0642 | 49.5342 | 43.18782 | 9.7511 | 32.4589 |
| 9/5/2025 | 6:00:00 AM | 33.44006 | 51.74209 | 18.30203 | 29.07797 | 35.96715 | 2.52709 | 45.81291 | 33.36888 | -0.07118 | 49.54118 | 43.17711 | 9.73705 | 32.47295 |
| 9/5/2025 | 7:00:00 AM | 33.4434 | 51.74924 | 18.30584 | 29.07416 | 35.96357 | 2.52017 | 45.81983 | 33.37252 | -0.07088 | 49.54088 | 43.1914 | 9.748 | 32.462 |
| 9/5/2025 | 8:00:00 AM | 33.45678 | 51.7707 | 18.31392 | 29.06608 | 35.95999 | 2.50321 | 45.83679 | 33.38705 | -0.06973 | 49.53973 | 43.1914 | 9.73462 | 32.47538 |
| 9/5/2025 | 9:00:00 AM | 33.45678 | 51.77428 | 18.3175 | 29.0625 | 35.96357 | 2.50679 | 45.83321 | 33.38705 | -0.06973 | 49.53973 | 43.20211 | 9.74533 | 32.46467 |
| 9/5/2025 | 10:00:00 AM | 33.46681 | 51.78143 | 18.31462 | 29.06538 | 35.95641 | 2.4896 | 45.8504 | 33.39069 | -0.07612 | 49.54612 | 43.19854 | 9.73173 | 32.47827 |
| 9/5/2025 | 11:00:00 AM | 33.46681 | 51.79216 | 18.32535 | 29.05465 | 35.95999 | 2.49318 | 45.84682 | 33.39796 | -0.06885 | 49.53885 | 43.19854 | 9.73173 | 32.47827 |
| 9/5/2025 | 12:00:00 PM | 33.45344 | 51.78858 | 18.33514 | 29.04486 | 35.96357 | 2.51013 | 45.82987 | 33.38342 | -0.07002 | 49.54002 | 43.18425 | 9.73081 | 32.47919 |
| 9/5/2025 | 1:00:00 PM | 33.43672 | 51.72421 | 18.28749 | 29.09251 | 35.95999 | 2.52327 | 45.81673 | 33.37979 | -0.05693 | 49.52693 | 43.18068 | 9.74396 | 32.46604 |
| 9/5/2025 | 2:00:00 PM | 33.42334 | 51.71348 | 18.29014 | 29.08986 | 35.95999 | 2.53665 | 45.80335 | 33.36161 | -0.06173 | 49.53173 | 43.16997 | 9.74663 | 32.46337 |
| 9/5/2025 | 3:00:00 PM | 33.40662 | 51.68845 | 18.28183 | 29.09817 | 35.95999 | 2.55337 | 45.78663 | 33.35435 | -0.05227 | 49.52227 | 43.15211 | 9.74549 | 32.46451 |
| 9/5/2025 | 4:00:00 PM | 33.38656 | 51.67415 | 18.28759 | 29.09241 | 35.95284 | 2.56628 | 45.77372 | 33.33981 | -0.04675 | 49.51675 | 43.15211 | 9.76555 | 32.44445 |
| 9/5/2025 | 5:00:00 PM | 33.39659 | 51.6813 | 18.28471 | 29.09529 | 35.94568 | 2.54909 | 45.79091 | 33.33618 | -0.06041 | 49.53041 | 43.14854 | 9.75195 | 32.45805 |
| 9/5/2025 | 6:00:00 PM | 33.3899 | 51.67415 | 18.28425 | 29.09575 | 35.93852 | 2.54862 | 45.79138 | 33.33254 | -0.05736 | 49.52736 | 43.14854 | 9.75864 | 32.45136 |
| 9/5/2025 | 7:00:00 PM | 33.38656 | 51.66342 | 18.27686 | 29.10314 | 35.93852 | 2.55196 | 45.78804 | 33.32891 | -0.05765 | 49.52765 | 43.13426 | 9.7477 | 32.4623 |
| 9/5/2025 | 8:00:00 PM | 33.38656 | 51.65984 | 18.27328 | 29.10672 | 35.92778 | 2.54122 | 45.79878 | 33.32527 | -0.06129 | 49.53129 | 43.13783 | 9.75127 | 32.45873 |
| 9/5/2025 | 9:00:00 PM | 33.40662 | 51.66699 | 18.26037 | 29.11963 | 35.92778 | 2.52116 | 45.81884 | 33.33618 | -0.07044 | 49.54044 | 43.14497 | 9.73835 | 32.47165 |
| 9/5/2025 | 10:00:00 PM | 33.42334 | 51.67415 | 18.25081 | 29.12919 | 35.92778 | 2.50444 | 45.83556 | 33.34344 | -0.0799 | 49.5499 | 43.15211 | 9.72877 | 32.48123 |
| 9/5/2025 | 11:00:00 PM | 33.42668 | 51.67057 | 18.24389 | 29.13611 | 35.92062 | 2.49394 | 45.84606 | 33.36161 | -0.06507 | 49.53507 | 43.15568 | 9.729 | 32.481 |
| 9/6/2025 | 12:00:00 AM | 33.43337 | 51.67772 | 18.24435 | 29.13565 | 35.92062 | 2.48725 | 45.85275 | 33.36525 | -0.06812 | 49.53812 | 43.15925 | 9.72588 | 32.48412 |
| 9/6/2025 | 1:00:00 AM | 33.44675 | 51.69918 | 18.25243 | 29.12757 | 35.92062 | 2.47387 | 45.86613 | 33.36525 | -0.0815 | 49.5515 | 43.16997 | 9.72322 | 32.48678 |
| 9/6/2025 | 2:00:00 AM | 33.46012 | 51.74924 | 18.28912 | 29.09088 | 35.9242 | 2.46408 | 45.87592 | 33.37615 | -0.08397 | 49.55397 | 43.17354 | 9.71342 | 32.49658 |
| 9/6/2025 | 3:00:00 AM | 33.45678 | 51.74924 | 18.29246 | 29.08754 | 35.9242 | 2.46742 | 45.87258 | 33.37615 | -0.08063 | 49.55063 | 43.17711 | 9.72033 | 32.48967 |
| 9/6/2025 | 4:00:00 AM | 33.46347 | 51.76712 | 18.30365 | 29.07635 | 35.93136 | 2.46789 | 45.87211 | 33.38705 | -0.07642 | 49.54642 | 43.18068 | 9.71721 | 32.49279 |
| 9/6/2025 | 5:00:00 AM | 33.4735 | 51.78143 | 18.30793 | 29.07207 | 35.93136 | 2.45786 | 45.88214 | 33.39069 | -0.08281 | 49.55281 | 43.18782 | 9.71432 | 32.49568 |
| 9/6/2025 | 6:00:00 AM | 33.48353 | 51.79931 | 18.31578 | 29.06422 | 35.93136 | 2.44783 | 45.89217 | 33.40886 | -0.07467 | 49.54467 | 43.19497 | 9.71144 | 32.49856 |
| 9/6/2025 | 7:00:00 AM | 33.5036 | 51.81361 | 18.31001 | 29.06999 | 35.93494 | 2.43134 | 45.90866 | 33.41976 | -0.08384 | 49.55384 | 43.21282 | 9.70922 | 32.50078 |
| 9/6/2025 | 8:00:00 AM | 33.52366 | 51.7707 | 18.24704 | 29.13296 | 35.94568 | 2.42202 | 45.91798 | 33.44157 | -0.08209 | 49.55209 | 43.23068 | 9.70702 | 32.50298 |
| 9/6/2025 | 9:00:00 AM | 33.5571 | 51.80646 | 18.24936 | 29.13064 | 35.94568 | 2.38858 | 45.95142 | 33.46337 | -0.09373 | 49.56373 | 43.25925 | 9.70215 | 32.50785 |
| 9/6/2025 | 10:00:00 AM | 33.56379 | 51.82076 | 18.25697 | 29.12303 | 35.95284 | 2.38905 | 45.95095 | 33.47427 | -0.08952 | 49.55952 | 43.25211 | 9.68832 | 32.52168 |
| 9/6/2025 | 11:00:00 AM | 33.53035 | 51.79573 | 18.26538 | 29.11462 | 35.95999 | 2.42964 | 45.91036 | 33.46337 | -0.06698 | 49.53698 | 43.23782 | 9.70747 | 32.50253 |
| 9/6/2025 | 12:00:00 PM | 33.527 | 51.79573 | 18.26873 | 29.11127 | 35.96357 | 2.43657 | 45.90343 | 33.4561 | -0.0709 | 49.5409 | 43.23782 | 9.71082 | 32.49918 |
| 9/6/2025 | 1:00:00 PM | 33.49022 | 51.77428 | 18.28406 | 29.09594 | 35.98147 | 2.49125 | 45.84875 | 33.44157 | -0.04865 | 49.51865 | 43.20568 | 9.71546 | 32.49454 |
| 9/6/2025 | 2:00:00 PM | 33.49022 | 51.77428 | 18.28406 | 29.09594 | 35.98147 | 2.49125 | 45.84875 | 33.43066 | -0.05956 | 49.52956 | 43.22354 | 9.73332 | 32.47668 |
| 9/6/2025 | 3:00:00 PM | 33.52032 | 51.80288 | 18.28256 | 29.09744 | 35.98505 | 2.46473 | 45.87527 | 33.44157 | -0.07875 | 49.54875 | 43.24854 | 9.72822 | 32.48178 |
| 9/6/2025 | 4:00:00 PM | 33.52366 | 51.79931 | 18.27565 | 29.10435 | 35.98147 | 2.45781 | 45.88219 | 33.4452 | -0.07846 | 49.54846 | 43.24497 | 9.72131 | 32.48869 |
| 9/6/2025 | 5:00:00 PM | 33.51697 | 51.79573 | 18.27876 | 29.10124 | 35.98505 | 2.46808 | 45.87192 | 33.44883 | -0.06814 | 49.53814 | 43.24497 | 9.728 | 32.482 |
| 9/6/2025 | 6:00:00 PM | 33.52366 | 51.79573 | 18.27207 | 29.10793 | 35.98505 | 2.46139 | 45.87861 | 33.4452 | -0.07846 | 49.54846 | 43.24497 | 9.72131 | 32.48869 |
| 9/6/2025 | 7:00:00 PM | 33.53369 | 51.79931 | 18.26562 | 29.11438 | 35.97789 | 2.4442 | 45.8958 | 33.45247 | -0.08122 | 49.55122 | 43.25568 | 9.72199 | 32.48801 |
| 9/6/2025 | 8:00:00 PM | 33.54707 | 51.80646 | 18.25939 | 29.12061 | 35.98863 | 2.44156 | 45.89844 | 33.46337 | -0.0837 | 49.5537 | 43.25925 | 9.71218 | 32.49782 |
| 9/6/2025 | 9:00:00 PM | 33.5571 | 51.82076 | 18.26366 | 29.11634 | 35.98863 | 2.43153 | 45.90847 | 33.47427 | -0.08283 | 49.55283 | 43.26996 | 9.71286 | 32.49714 |
| 9/6/2025 | 10:00:00 PM | 33.57716 | 51.83865 | 18.26149 | 29.11851 | 35.99937 | 2.42221 | 45.91779 | 33.48881 | -0.08835 | 49.55835 | 43.28782 | 9.71066 | 32.49934 |
| 9/6/2025 | 11:00:00 PM | 33.62398 | 51.87083 | 18.24685 | 29.13315 | 35.99937 | 2.37539 | 45.96461 | 33.51425 | -0.10973 | 49.57973 | 43.31639 | 9.69241 | 32.51759 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/7/2025 | 12:00:00 AM | 33.6407 | 51.89586 | 18.25516 | 29.12484 | 36.00295 | 2.36225 | 45.97775 | 33.54332 | -0.09738 | 49.56738 | 43.32711 | 9.68641 | 32.52359 |
| 9/7/2025 | 1:00:00 AM | 33.6407 | 51.90659 | 18.26589 | 29.11411 | 36.01369 | 2.37299 | 45.96701 | 33.55422 | -0.08648 | 49.55648 | 43.32353 | 9.68283 | 32.52717 |
| 9/7/2025 | 2:00:00 AM | 33.62732 | 51.89944 | 18.27212 | 29.10788 | 36.02443 | 2.39711 | 45.94289 | 33.54696 | -0.08036 | 49.55036 | 43.30925 | 9.68193 | 32.52807 |
| 9/7/2025 | 3:00:00 AM | 33.61729 | 51.89586 | 18.27857 | 29.10143 | 36.03516 | 2.41787 | 45.92213 | 33.54332 | -0.07397 | 49.54397 | 43.32353 | 9.70624 | 32.50376 |
| 9/7/2025 | 4:00:00 AM | 33.63736 | 51.91732 | 18.27996 | 29.10004 | 36.04232 | 2.40496 | 45.93504 | 33.55422 | -0.08314 | 49.55314 | 43.33782 | 9.70046 | 32.50954 |
| 9/7/2025 | 5:00:00 AM | 33.64404 | 51.92447 | 18.28043 | 29.09957 | 36.05306 | 2.40902 | 45.93098 | 33.56876 | -0.07528 | 49.54528 | 43.34496 | 9.70092 | 32.50908 |
| 9/7/2025 | 6:00:00 AM | 33.63401 | 51.93877 | 18.30476 | 29.07524 | 36.05664 | 2.42263 | 45.91737 | 33.56149 | -0.07252 | 49.54252 | 43.34139 | 9.70738 | 32.50262 |
| 9/7/2025 | 7:00:00 AM | 33.66076 | 51.96023 | 18.29947 | 29.08053 | 36.07454 | 2.41378 | 45.92622 | 33.56876 | -0.092 | 49.562 | 43.36282 | 9.70206 | 32.50794 |
| 9/7/2025 | 8:00:00 AM | 33.68083 | 51.98526 | 18.30443 | 29.07557 | 36.07454 | 2.39371 | 45.94629 | 33.59057 | -0.09026 | 49.56026 | 43.38782 | 9.70699 | 32.50301 |
| 9/7/2025 | 9:00:00 AM | 33.69755 | 51.99599 | 18.29844 | 29.08156 | 36.07812 | 2.38057 | 45.95943 | 33.60147 | -0.09608 | 49.56608 | 43.39496 | 9.69741 | 32.51259 |
| 9/7/2025 | 10:00:00 AM | 33.71092 | 52.01745 | 18.30653 | 29.07347 | 36.08528 | 2.37436 | 45.96564 | 33.61964 | -0.09128 | 49.56128 | 43.39853 | 9.68761 | 32.52239 |
| 9/7/2025 | 11:00:00 AM | 33.70758 | 52.02102 | 18.31344 | 29.06656 | 36.09244 | 2.38486 | 45.95514 | 33.62327 | -0.08431 | 49.55431 | 43.39853 | 9.69095 | 32.51905 |
| 9/7/2025 | 12:00:00 PM | 33.71092 | 52.03175 | 18.32083 | 29.05917 | 36.10318 | 2.39226 | 45.94774 | 33.62691 | -0.08401 | 49.55401 | 43.4021 | 9.69118 | 32.51882 |
| 9/7/2025 | 1:00:00 PM | 33.70758 | 52.02818 | 18.3206 | 29.0594 | 36.11033 | 2.40275 | 45.93725 | 33.63781 | -0.06977 | 49.53977 | 43.40567 | 9.69809 | 32.51191 |
| 9/7/2025 | 2:00:00 PM | 33.70424 | 52.0389 | 18.33466 | 29.04534 | 36.11391 | 2.40967 | 45.93033 | 33.63054 | -0.0737 | 49.5437 | 43.40925 | 9.70501 | 32.50499 |
| 9/7/2025 | 3:00:00 PM | 33.69755 | 52.03533 | 18.33778 | 29.04222 | 36.12465 | 2.4271 | 45.9129 | 33.62327 | -0.07428 | 49.54428 | 43.40925 | 9.7117 | 32.4983 |
| 9/7/2025 | 4:00:00 PM | 33.69086 | 52.02818 | 18.33732 | 29.04268 | 36.13181 | 2.44095 | 45.89905 | 33.62327 | -0.06759 | 49.53759 | 43.39853 | 9.70767 | 32.50233 |
| 9/7/2025 | 5:00:00 PM | 33.68752 | 52.02102 | 18.3335 | 29.0465 | 36.13539 | 2.44787 | 45.89213 | 33.61237 | -0.07515 | 49.54515 | 43.39853 | 9.71101 | 32.49899 |
| 9/7/2025 | 6:00:00 PM | 33.68417 | 52.05321 | 18.36904 | 29.01096 | 36.13897 | 2.4548 | 45.8852 | 33.61237 | -0.0718 | 49.5418 | 43.39496 | 9.71079 | 32.49921 |
| 9/7/2025 | 7:00:00 PM | 33.68417 | 51.96381 | 18.27964 | 29.10036 | 36.13897 | 2.4548 | 45.8852 | 33.61237 | -0.0718 | 49.5418 | 43.40567 | 9.7215 | 32.4885 |
| 9/7/2025 | 8:00:00 PM | 33.6942 | 51.96738 | 18.27318 | 29.10682 | 36.14255 | 2.44835 | 45.89165 | 33.61601 | -0.07819 | 49.54819 | 43.39853 | 9.70433 | 32.50567 |
| 9/7/2025 | 9:00:00 PM | 33.70424 | 51.97811 | 18.27387 | 29.10613 | 36.14971 | 2.44547 | 45.89453 | 33.61964 | -0.0846 | 49.5546 | 43.40567 | 9.70143 | 32.50857 |
| 9/7/2025 | 10:00:00 PM | 33.70758 | 51.97811 | 18.27053 | 29.10947 | 36.14971 | 2.44213 | 45.89787 | 33.62327 | -0.08431 | 49.55431 | 43.41996 | 9.71238 | 32.49762 |
| 9/7/2025 | 11:00:00 PM | 33.70758 | 51.98884 | 18.28126 | 29.09874 | 36.15329 | 2.44571 | 45.89429 | 33.62691 | -0.08067 | 49.55067 | 43.41282 | 9.70524 | 32.50476 |
| 9/8/2025 | 12:00:00 AM | 33.69755 | 51.97454 | 18.27699 | 29.10301 | 36.14971 | 2.45216 | 45.88784 | 33.62691 | -0.07064 | 49.54064 | 43.40567 | 9.70812 | 32.50188 |
| 9/8/2025 | 1:00:00 AM | 33.6942 | 51.97811 | 18.28391 | 29.09609 | 36.15687 | 2.46267 | 45.87733 | 33.62327 | -0.07093 | 49.54093 | 43.40567 | 9.71147 | 32.49853 |
| 9/8/2025 | 2:00:00 AM | 33.68752 | 51.98526 | 18.29774 | 29.08226 | 36.16045 | 2.47293 | 45.86707 | 33.61237 | -0.07515 | 49.54515 | 43.39853 | 9.71101 | 32.49899 |
| 9/8/2025 | 3:00:00 AM | 33.67414 | 51.97811 | 18.30397 | 29.07603 | 36.15687 | 2.48273 | 45.85727 | 33.61237 | -0.06177 | 49.53177 | 43.38782 | 9.71368 | 32.49632 |
| 9/8/2025 | 4:00:00 AM | 33.67414 | 51.97096 | 18.29682 | 29.08318 | 36.16403 | 2.48989 | 45.85011 | 33.60147 | -0.07267 | 49.54267 | 43.38782 | 9.71368 | 32.49632 |
| 9/8/2025 | 5:00:00 AM | 33.65742 | 51.96738 | 18.30996 | 29.07004 | 36.15687 | 2.49945 | 45.84055 | 33.59783 | -0.05959 | 49.52959 | 43.38068 | 9.72326 | 32.48674 |
| 9/8/2025 | 6:00:00 AM | 33.65073 | 51.96381 | 18.31308 | 29.06692 | 36.15329 | 2.50256 | 45.83744 | 33.59057 | -0.06016 | 49.53016 | 43.38068 | 9.72995 | 32.48005 |
| 9/8/2025 | 7:00:00 AM | 33.65742 | 51.97454 | 18.31712 | 29.06288 | 36.15687 | 2.49945 | 45.84055 | 33.58693 | -0.07049 | 49.54049 | 43.39139 | 9.73397 | 32.47603 |
| 9/8/2025 | 8:00:00 AM | 33.66745 | 51.97811 | 18.31066 | 29.06934 | 36.15329 | 2.48584 | 45.85416 | 33.59057 | -0.07688 | 49.54688 | 43.38425 | 9.7168 | 32.4932 |
| 9/8/2025 | 9:00:00 AM | 33.66076 | 51.98169 | 18.32093 | 29.05907 | 36.15329 | 2.49253 | 45.84747 | 33.58693 | -0.07383 | 49.54383 | 43.3771 | 9.71634 | 32.49366 |
| 9/8/2025 | 10:00:00 AM | 33.65073 | 51.97811 | 18.32738 | 29.05262 | 36.14971 | 2.49898 | 45.84102 | 33.5833 | -0.06743 | 49.53743 | 43.37353 | 9.7228 | 32.4872 |
| 9/8/2025 | 11:00:00 AM | 33.65073 | 51.99957 | 18.34884 | 29.03116 | 36.14971 | 2.49898 | 45.84102 | 33.5833 | -0.06743 | 49.53743 | 43.36639 | 9.71566 | 32.49434 |
| 9/8/2025 | 12:00:00 PM | 33.62732 | 51.98526 | 18.35794 | 29.02206 | 36.14613 | 2.51881 | 45.82119 | 33.56513 | -0.06219 | 49.53219 | 43.34853 | 9.72121 | 32.48879 |
| 9/8/2025 | 1:00:00 PM | 33.6106 | 51.96738 | 18.35678 | 29.02322 | 36.14255 | 2.53195 | 45.80805 | 33.55422 | -0.05638 | 49.52638 | 43.34139 | 9.73079 | 32.47921 |
| 9/8/2025 | 2:00:00 PM | 33.59723 | 51.9495 | 18.35227 | 29.02773 | 36.13897 | 2.54174 | 45.79826 | 33.53969 | -0.05754 | 49.52754 | 43.33068 | 9.73345 | 32.47655 |
| 9/8/2025 | 3:00:00 PM | 33.58385 | 51.93877 | 18.35492 | 29.02508 | 36.13539 | 2.55154 | 45.78846 | 33.52515 | -0.0587 | 49.5287 | 43.31639 | 9.73254 | 32.47746 |
| 9/8/2025 | 4:00:00 PM | 33.55376 | 51.90659 | 18.35283 | 29.02717 | 36.12465 | 2.57089 | 45.76911 | 33.51061 | -0.04315 | 49.51315 | 43.29139 | 9.73763 | 32.47237 |
| 9/8/2025 | 5:00:00 PM | 33.54707 | 51.86725 | 18.32018 | 29.05982 | 36.11391 | 2.56684 | 45.77316 | 33.49244 | -0.05463 | 49.52463 | 43.27354 | 9.72647 | 32.48353 |
| 9/8/2025 | 6:00:00 PM | 33.54038 | 51.85295 | 18.31257 | 29.06743 | 36.11391 | 2.57353 | 45.76647 | 33.48518 | -0.0552 | 49.5252 | 43.27354 | 9.73316 | 32.47684 |
| 9/8/2025 | 7:00:00 PM | 33.54707 | 51.8458 | 18.29873 | 29.08127 | 36.10318 | 2.55611 | 45.78389 | 33.48154 | -0.06553 | 49.53553 | 43.27354 | 9.72647 | 32.48353 |
| 9/8/2025 | 8:00:00 PM | 33.55376 | 51.84937 | 18.29561 | 29.08439 | 36.08886 | 2.5351 | 45.8049 | 33.48881 | -0.06495 | 49.53495 | 43.27711 | 9.72335 | 32.48665 |
| 9/8/2025 | 9:00:00 PM | 33.57048 | 51.8601 | 18.28962 | 29.09038 | 36.08528 | 2.5148 | 45.8252 | 33.50335 | -0.06713 | 49.53713 | 43.28425 | 9.71377 | 32.49623 |
| 9/8/2025 | 10:00:00 PM | 33.58385 | 51.86725 | 18.2834 | 29.0966 | 36.0817 | 2.49785 | 45.84215 | 33.50698 | -0.07687 | 49.54687 | 43.28782 | 9.70397 | 32.50603 |
| 9/8/2025 | 11:00:00 PM | 33.5872 | 51.86368 | 18.27648 | 29.10352 | 36.07454 | 2.48734 | 45.85266 | 33.50698 | -0.08022 | 49.55022 | 43.28068 | 9.69348 | 32.51652 |
| 9/9/2025 | 12:00:00 AM | 33.5872 | 51.8601 | 18.2729 | 29.1071 | 36.07096 | 2.48376 | 45.85624 | 33.51788 | -0.06932 | 49.53932 | 43.27711 | 9.68991 | 32.52009 |
| 9/9/2025 | 1:00:00 AM | 33.58385 | 51.85653 | 18.27268 | 29.10732 | 36.07096 | 2.48711 | 45.85289 | 33.51061 | -0.07324 | 49.54324 | 43.27711 | 9.69326 | 32.51674 |
| 9/9/2025 | 2:00:00 AM | 33.59388 | 51.86725 | 18.27337 | 29.10663 | 36.07454 | 2.48066 | 45.85934 | 33.51425 | -0.07963 | 49.54963 | 43.28068 | 9.6868 | 32.5232 |
| 9/9/2025 | 3:00:00 AM | 33.57048 | 51.85653 | 18.28605 | 29.09395 | 36.07096 | 2.50048 | 45.83952 | 33.50698 | -0.0635 | 49.5335 | 43.27354 | 9.70306 | 32.50694 |
| 9/9/2025 | 4:00:00 AM | 33.57048 | 51.85295 | 18.28247 | 29.09753 | 36.0638 | 2.49332 | 45.84668 | 33.49608 | -0.0744 | 49.5444 | 43.26996 | 9.69948 | 32.51052 |
| 9/9/2025 | 5:00:00 AM | 33.56044 | 51.85653 | 18.29609 | 29.08391 | 36.06738 | 2.50694 | 45.83306 | 33.49608 | -0.06436 | 49.53436 | 43.26996 | 9.70952 | 32.50048 |
| 9/9/2025 | 6:00:00 AM | 33.55376 | 51.84937 | 18.29561 | 29.08439 | 36.06022 | 2.50646 | 45.83354 | 33.48881 | -0.06495 | 49.53495 | 43.26282 | 9.70906 | 32.50094 |
| 9/9/2025 | 7:00:00 AM | 33.5571 | 51.8601 | 18.303 | 29.077 | 36.0638 | 2.5067 | 45.8333 | 33.48881 | -0.06829 | 49.53829 | 43.26639 | 9.70929 | 32.50071 |
| 9/9/2025 | 8:00:00 AM | 33.56044 | 51.86725 | 18.30681 | 29.07319 | 36.05664 | 2.4962 | 45.8438 | 33.48881 | -0.07163 | 49.54163 | 43.27354 | 9.7131 | 32.4969 |
| 9/9/2025 | 9:00:00 AM | 33.56713 | 51.86725 | 18.30012 | 29.07988 | 36.05306 | 2.48593 | 45.85407 | 33.49971 | -0.06742 | 49.53742 | 43.26639 | 9.69926 | 32.51074 |
| 9/9/2025 | 10:00:00 AM | 33.56713 | 51.88156 | 18.31443 | 29.06557 | 36.04948 | 2.48235 | 45.85765 | 33.49244 | -0.07469 | 49.54469 | 43.27711 | 9.70998 | 32.50002 |
| 9/9/2025 | 11:00:00 AM | 33.56044 | 51.87798 | 18.31754 | 29.06246 | 36.05306 | 2.49262 | 45.84738 | 33.48881 | -0.07163 | 49.54163 | 43.25925 | 9.69881 | 32.51119 |
| 9/9/2025 | 12:00:00 PM | 33.54038 | 51.86368 | 18.3233 | 29.0567 | 36.0459 | 2.50552 | 45.83448 | 33.48154 | -0.05884 | 49.52884 | 43.24497 | 9.70459 | 32.50541 |
| 9/9/2025 | 1:00:00 PM | 33.54707 | 51.86725 | 18.32018 | 29.05982 | 36.0459 | 2.49883 | 45.84117 | 33.47427 | -0.0728 | 49.5428 | 43.24854 | 9.70147 | 32.50853 |
| 9/9/2025 | 2:00:00 PM | 33.53035 | 51.8601 | 18.32975 | 29.05025 | 36.0459 | 2.51555 | 45.82445 | 33.46701 | -0.06334 | 49.53334 | 43.24139 | 9.71104 | 32.49896 |
| 9/9/2025 | 3:00:00 PM | 33.51363 | 51.83865 | 18.32502 | 29.05498 | 36.03874 | 2.52511 | 45.81489 | 33.45974 | -0.05389 | 49.52389 | 43.22354 | 9.70991 | 32.50009 |
| 9/9/2025 | 4:00:00 PM | 33.5036 | 51.82792 | 18.32432 | 29.05568 | 36.03874 | 2.53514 | 45.80486 | 33.4452 | -0.0584 | 49.5284 | 43.21282 | 9.70922 | 32.50078 |
| 9/9/2025 | 5:00:00 PM | 33.50025 | 51.81004 | 18.30979 | 29.07021 | 36.03159 | 2.53134 | 45.80866 | 33.4452 | -0.05505 | 49.52505 | 43.2164 | 9.71615 | 32.49385 |
| 9/9/2025 | 6:00:00 PM | 33.49022 | 51.80646 | 18.31624 | 29.06376 | 36.02801 | 2.53779 | 45.80221 | 33.4343 | -0.05592 | 49.52592 | 43.20568 | 9.71546 | 32.49454 |
| 9/9/2025 | 7:00:00 PM | 33.5036 | 51.81361 | 18.31001 | 29.06999 | 36.02085 | 2.51725 | 45.82275 | 33.44157 | -0.06203 | 49.53203 | 43.2164 | 9.7128 | 32.4972 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/9/2025 | 8:00:00 PM | 33.51363 | 51.82076 | 18.30713 | 29.07287 | 36.01369 | 2.50006 | 45.83994 | 33.44883 | -0.0648 | 49.5348 | 43.21282 | 9.69919 | 32.51081 |
| 9/9/2025 | 9:00:00 PM | 33.51363 | 51.81719 | 18.30356 | 29.07644 | 36.00653 | 2.4929 | 45.8471 | 33.4452 | -0.06843 | 49.53843 | 43.21997 | 9.70634 | 32.50366 |
| 9/9/2025 | 10:00:00 PM | 33.527 | 51.81719 | 18.29019 | 29.08981 | 36.01011 | 2.48311 | 45.85689 | 33.4452 | -0.0818 | 49.5518 | 43.2164 | 9.6894 | 32.5206 |
| 9/9/2025 | 11:00:00 PM | 33.527 | 51.81004 | 18.28304 | 29.09696 | 36.00295 | 2.47595 | 45.86405 | 33.4561 | -0.0709 | 49.5409 | 43.22354 | 9.69654 | 32.51346 |
| 9/10/2025 | 12:00:00 AM | 33.54038 | 51.81719 | 18.27681 | 29.10319 | 35.99937 | 2.45899 | 45.88101 | 33.46337 | -0.07701 | 49.54701 | 43.2164 | 9.67602 | 32.53398 |
| 9/10/2025 | 1:00:00 AM | 33.53369 | 51.82434 | 18.29065 | 29.08935 | 36.01011 | 2.47642 | 45.86358 | 33.45974 | -0.07395 | 49.54395 | 43.22354 | 9.68985 | 32.52015 |
| 9/10/2025 | 2:00:00 AM | 33.53035 | 51.81719 | 18.28684 | 29.09316 | 36.00295 | 2.4726 | 45.8674 | 33.45974 | -0.07061 | 49.54061 | 43.21997 | 9.68962 | 32.52038 |
| 9/10/2025 | 3:00:00 AM | 33.527 | 51.82434 | 18.29734 | 29.08266 | 36.00295 | 2.47595 | 45.86405 | 33.45974 | -0.06726 | 49.53726 | 43.2164 | 9.6894 | 32.5206 |
| 9/10/2025 | 4:00:00 AM | 33.527 | 51.83865 | 18.31165 | 29.06835 | 36.00295 | 2.47595 | 45.86405 | 33.4561 | -0.0709 | 49.5409 | 43.22354 | 9.69654 | 32.51346 |
| 9/10/2025 | 5:00:00 AM | 33.53369 | 51.8458 | 18.31211 | 29.06789 | 36.00295 | 2.46926 | 45.87074 | 33.45974 | -0.07395 | 49.54395 | 43.21997 | 9.68628 | 32.52372 |
| 9/10/2025 | 6:00:00 AM | 33.527 | 51.84937 | 18.32237 | 29.05763 | 36.00295 | 2.47595 | 45.86405 | 33.45974 | -0.06726 | 49.53726 | 43.22354 | 9.69654 | 32.51346 |
| 9/10/2025 | 7:00:00 AM | 33.54038 | 51.8601 | 18.31972 | 29.06028 | 36.00295 | 2.46257 | 45.87743 | 33.46337 | -0.07701 | 49.54701 | 43.23425 | 9.69387 | 32.51613 |
| 9/10/2025 | 8:00:00 AM | 33.55041 | 51.88156 | 18.33115 | 29.04885 | 36.00653 | 2.45612 | 45.88388 | 33.47064 | -0.07977 | 49.54977 | 43.23782 | 9.68741 | 32.52259 |
| 9/10/2025 | 9:00:00 AM | 33.56379 | 51.91017 | 18.34638 | 29.03362 | 36.00295 | 2.43916 | 45.90084 | 33.48154 | -0.08225 | 49.55225 | 43.24854 | 9.68475 | 32.52525 |
| 9/10/2025 | 10:00:00 AM | 33.57048 | 51.90659 | 18.33611 | 29.04389 | 35.99937 | 2.42889 | 45.91111 | 33.48881 | -0.08167 | 49.55167 | 43.24854 | 9.67806 | 32.53194 |
| 9/10/2025 | 11:00:00 AM | 33.56379 | 51.90301 | 18.33922 | 29.04078 | 36.00653 | 2.44274 | 45.89726 | 33.48881 | -0.07498 | 49.54498 | 43.25211 | 9.68832 | 32.52168 |
| 9/10/2025 | 12:00:00 PM | 33.56044 | 51.89229 | 18.33185 | 29.04815 | 36.01727 | 2.45683 | 45.88317 | 33.47791 | -0.08253 | 49.55253 | 43.24854 | 9.6881 | 32.5219 |
| 9/10/2025 | 1:00:00 PM | 33.54038 | 51.88871 | 18.34833 | 29.03167 | 36.01011 | 2.46973 | 45.87027 | 33.47791 | -0.06247 | 49.53247 | 43.23425 | 9.69387 | 32.51613 |
| 9/10/2025 | 2:00:00 PM | 33.53035 | 51.87441 | 18.34406 | 29.03594 | 36.01727 | 2.48692 | 45.85308 | 33.47064 | -0.05971 | 49.52971 | 43.22354 | 9.69319 | 32.51681 |
| 9/10/2025 | 3:00:00 PM | 33.51028 | 51.8458 | 18.33552 | 29.04448 | 36.01369 | 2.50341 | 45.83659 | 33.45247 | -0.05781 | 49.52781 | 43.20925 | 9.69897 | 32.51103 |
| 9/10/2025 | 4:00:00 PM | 33.49691 | 51.81719 | 18.32028 | 29.05972 | 36.00295 | 2.50604 | 45.83396 | 33.43793 | -0.05898 | 49.52898 | 43.19497 | 9.69806 | 32.51194 |
| 9/10/2025 | 5:00:00 PM | 33.48019 | 51.80646 | 18.32627 | 29.05373 | 36.00653 | 2.52634 | 45.81366 | 33.41976 | -0.06043 | 49.53043 | 43.19854 | 9.71835 | 32.49165 |
| 9/10/2025 | 6:00:00 PM | 33.48688 | 51.78858 | 18.3017 | 29.0783 | 36.00295 | 2.51607 | 45.82393 | 33.41976 | -0.06712 | 49.53712 | 43.1914 | 9.70452 | 32.50548 |
| 9/10/2025 | 7:00:00 PM | 33.49022 | 51.79216 | 18.30194 | 29.07806 | 35.99937 | 2.50915 | 45.83085 | 33.4234 | -0.06682 | 49.53682 | 43.19497 | 9.70475 | 32.50525 |
| 9/10/2025 | 8:00:00 PM | 33.51028 | 51.80646 | 18.29618 | 29.08382 | 35.98863 | 2.47835 | 45.86165 | 33.42703 | -0.08325 | 49.55325 | 43.20211 | 9.69183 | 32.51817 |
| 9/10/2025 | 9:00:00 PM | 33.53035 | 51.81719 | 18.28684 | 29.09316 | 35.98863 | 2.45828 | 45.88172 | 33.45247 | -0.07788 | 49.54788 | 43.2164 | 9.68605 | 32.52395 |
| 9/10/2025 | 10:00:00 PM | 33.53704 | 51.82076 | 18.28372 | 29.09628 | 35.98505 | 2.44801 | 45.89199 | 33.45974 | -0.0773 | 49.5473 | 43.21282 | 9.67578 | 32.53422 |
| 9/10/2025 | 11:00:00 PM | 33.54707 | 51.82792 | 18.28085 | 29.09915 | 35.98147 | 2.4344 | 45.9056 | 33.47427 | -0.0728 | 49.5428 | 43.2164 | 9.66933 | 32.54067 |
| 9/11/2025 | 12:00:00 AM | 33.55041 | 51.84222 | 18.29181 | 29.08819 | 35.98863 | 2.43822 | 45.90178 | 33.47427 | -0.07614 | 49.54614 | 43.22354 | 9.67313 | 32.53687 |
| 9/11/2025 | 1:00:00 AM | 33.56379 | 51.8458 | 18.28201 | 29.09799 | 35.98505 | 2.42126 | 45.91874 | 33.48154 | -0.08225 | 49.55225 | 43.21997 | 9.65618 | 32.55382 |
| 9/11/2025 | 2:00:00 AM | 33.56713 | 51.8601 | 18.29297 | 29.08703 | 35.99221 | 2.42508 | 45.91492 | 33.48518 | -0.08195 | 49.55195 | 43.22711 | 9.65998 | 32.55002 |
| 9/11/2025 | 3:00:00 AM | 33.57716 | 51.87083 | 18.29367 | 29.08633 | 35.99221 | 2.41505 | 45.92495 | 33.49244 | -0.08472 | 49.55472 | 43.24139 | 9.66423 | 32.54577 |
| 9/11/2025 | 4:00:00 AM | 33.57382 | 51.87441 | 18.30059 | 29.07941 | 35.99579 | 2.42197 | 45.91803 | 33.49971 | -0.07411 | 49.54411 | 43.23782 | 9.664 | 32.546 |
| 9/11/2025 | 5:00:00 AM | 33.57716 | 51.88871 | 18.31155 | 29.06845 | 35.99937 | 2.42221 | 45.91779 | 33.49971 | -0.07745 | 49.54745 | 43.23782 | 9.66066 | 32.54934 |
| 9/11/2025 | 6:00:00 AM | 33.5872 | 51.90301 | 18.31581 | 29.06419 | 36.00295 | 2.41575 | 45.92425 | 33.50335 | -0.08385 | 49.55385 | 43.25568 | 9.66848 | 32.54152 |
| 9/11/2025 | 7:00:00 AM | 33.6106 | 51.92447 | 18.31387 | 29.06613 | 36.00653 | 2.39593 | 45.94407 | 33.52152 | -0.08908 | 49.55908 | 43.27354 | 9.66294 | 32.54706 |
| 9/11/2025 | 8:00:00 AM | 33.63067 | 51.95666 | 18.32599 | 29.05401 | 36.01011 | 2.37944 | 45.96056 | 33.53242 | -0.09825 | 49.56825 | 43.29496 | 9.66429 | 32.54571 |
| 9/11/2025 | 9:00:00 AM | 33.65073 | 51.97811 | 18.32738 | 29.05262 | 36.01727 | 2.36654 | 45.97346 | 33.56149 | -0.08924 | 49.55924 | 43.30568 | 9.65495 | 32.55505 |
| 9/11/2025 | 10:00:00 AM | 33.65073 | 51.97454 | 18.32381 | 29.05619 | 36.02085 | 2.37012 | 45.96988 | 33.5724 | -0.07833 | 49.54833 | 43.29854 | 9.64781 | 32.56219 |
| 9/11/2025 | 11:00:00 AM | 33.65073 | 51.98526 | 18.33453 | 29.04547 | 36.03874 | 2.38801 | 45.95199 | 33.56513 | -0.0856 | 49.5556 | 43.30211 | 9.65138 | 32.55862 |
| 9/11/2025 | 12:00:00 PM | 33.65073 | 51.99242 | 18.34169 | 29.03831 | 36.04232 | 2.39159 | 45.94841 | 33.56149 | -0.08924 | 49.55924 | 43.30925 | 9.65852 | 32.55148 |
| 9/11/2025 | 1:00:00 PM | 33.62732 | 51.98526 | 18.35794 | 29.02206 | 36.0459 | 2.41858 | 45.92142 | 33.55786 | -0.06946 | 49.53946 | 43.29496 | 9.66764 | 32.54236 |
| 9/11/2025 | 2:00:00 PM | 33.6106 | 51.96738 | 18.35678 | 29.02322 | 36.0459 | 2.4353 | 45.9047 | 33.55059 | -0.06001 | 49.53001 | 43.28782 | 9.67722 | 32.53278 |
| 9/11/2025 | 3:00:00 PM | 33.6106 | 51.97096 | 18.36036 | 29.01964 | 36.05664 | 2.44604 | 45.89396 | 33.54696 | -0.06364 | 49.53364 | 43.28425 | 9.67365 | 32.53635 |
| 9/11/2025 | 4:00:00 PM | 33.61729 | 51.96738 | 18.35009 | 29.02991 | 36.05306 | 2.43577 | 45.90423 | 33.55059 | -0.0667 | 49.5367 | 43.29854 | 9.68125 | 32.52875 |
| 9/11/2025 | 5:00:00 PM | 33.6407 | 51.98169 | 18.34099 | 29.03901 | 36.0638 | 2.4231 | 45.9169 | 33.55059 | -0.09011 | 49.56011 | 43.30925 | 9.66855 | 32.54145 |
| 9/11/2025 | 6:00:00 PM | 33.64404 | 51.98169 | 18.33765 | 29.04235 | 36.0638 | 2.41976 | 45.92024 | 33.56149 | -0.08255 | 49.55255 | 43.31639 | 9.67235 | 32.53765 |
| 9/11/2025 | 7:00:00 PM | 33.65408 | 51.98884 | 18.33476 | 29.04524 | 36.0638 | 2.40972 | 45.93028 | 33.57603 | -0.07805 | 49.54805 | 43.31282 | 9.65874 | 32.55126 |
| 9/11/2025 | 8:00:00 PM | 33.66076 | 51.8458 | 18.18504 | 29.19496 | 36.06738 | 2.40662 | 45.93338 | 33.5833 | -0.07746 | 49.54746 | 43.31282 | 9.65206 | 32.55794 |
| 9/11/2025 | 9:00:00 PM | 33.66411 | 51.83507 | 18.17096 | 29.20904 | 36.0638 | 2.39969 | 45.94031 | 33.5833 | -0.08081 | 49.55081 | 43.31996 | 9.65585 | 32.55415 |
| 9/11/2025 | 10:00:00 PM | 33.66745 | 51.83149 | 18.16404 | 29.21596 | 36.07454 | 2.40709 | 45.93291 | 33.57966 | -0.08779 | 49.55779 | 43.32711 | 9.65966 | 32.55034 |
| 9/11/2025 | 11:00:00 PM | 33.67748 | 51.84222 | 18.16474 | 29.21526 | 36.07812 | 2.40064 | 45.93936 | 33.58693 | -0.09055 | 49.56055 | 43.33068 | 9.6532 | 32.5568 |
| 9/12/2025 | 12:00:00 AM | 33.68752 | 51.85295 | 18.16543 | 29.21457 | 36.08528 | 2.39776 | 45.94224 | 33.59783 | -0.08969 | 49.55969 | 43.34853 | 9.66101 | 32.54899 |
| 9/12/2025 | 1:00:00 AM | 33.71092 | 51.88156 | 18.17064 | 29.20936 | 36.08528 | 2.37436 | 45.96564 | 33.61601 | -0.09491 | 49.56491 | 43.36282 | 9.6519 | 32.5581 |
| 9/12/2025 | 2:00:00 AM | 33.7243 | 51.89586 | 18.17156 | 29.20844 | 36.08886 | 2.36456 | 45.97544 | 33.62691 | -0.09739 | 49.56739 | 43.36282 | 9.63852 | 32.57148 |
| 9/12/2025 | 3:00:00 AM | 33.71427 | 51.89944 | 18.18517 | 29.19483 | 36.09602 | 2.38175 | 45.95825 | 33.63054 | -0.08373 | 49.55373 | 43.36639 | 9.65212 | 32.55788 |
| 9/12/2025 | 4:00:00 AM | 33.70424 | 51.89586 | 18.19162 | 29.18838 | 36.0996 | 2.39536 | 45.94464 | 33.63054 | -0.0737 | 49.5437 | 43.34853 | 9.64429 | 32.56571 |
| 9/12/2025 | 5:00:00 AM | 33.69755 | 51.89944 | 18.20189 | 29.17811 | 36.11033 | 2.41278 | 45.92722 | 33.62327 | -0.07428 | 49.54428 | 43.34853 | 9.65098 | 32.55902 |
| 9/12/2025 | 6:00:00 AM | 33.70089 | 51.9495 | 18.24861 | 29.13139 | 36.11391 | 2.41302 | 45.92698 | 33.61237 | -0.08852 | 49.55852 | 43.36282 | 9.66193 | 32.54807 |
| 9/12/2025 | 7:00:00 AM | 33.71092 | 52.03175 | 18.32083 | 29.05917 | 36.12465 | 2.41373 | 45.92627 | 33.62327 | -0.08765 | 49.55765 | 43.36996 | 9.65904 | 32.55096 |
| 9/12/2025 | 8:00:00 AM | 33.71092 | 52.04606 | 18.33514 | 29.04486 | 36.12107 | 2.41015 | 45.92985 | 33.62691 | -0.08401 | 49.55401 | 43.36996 | 9.65904 | 32.55096 |
| 9/12/2025 | 9:00:00 AM | 33.7243 | 52.07467 | 18.35037 | 29.02963 | 36.12465 | 2.40035 | 45.93965 | 33.64508 | -0.07922 | 49.54922 | 43.3771 | 9.6528 | 32.5572 |
| 9/12/2025 | 10:00:00 AM | 33.70758 | 52.0103 | 18.30272 | 29.07728 | 36.12465 | 2.41707 | 45.92293 | 33.64144 | -0.06614 | 49.53614 | 43.36639 | 9.65881 | 32.55119 |
| 9/12/2025 | 11:00:00 AM | 33.70424 | 52.0103 | 18.30606 | 29.07394 | 36.13539 | 2.43115 | 45.90885 | 33.63054 | -0.0737 | 49.5437 | 43.36996 | 9.66572 | 32.54428 |
| 9/12/2025 | 12:00:00 PM | 33.68417 | 52.00314 | 18.31897 | 29.06103 | 36.13181 | 2.44764 | 45.89236 | 33.62327 | -0.0609 | 49.5309 | 43.35925 | 9.67508 | 32.53492 |
| 9/12/2025 | 1:00:00 PM | 33.68083 | 51.91017 | 18.22934 | 29.15066 | 36.13181 | 2.45098 | 45.88902 | 33.6051 | -0.07573 | 49.54573 | 43.3521 | 9.67127 | 32.53873 |
| 9/12/2025 | 2:00:00 PM | 33.66076 | 51.90659 | 18.24583 | 29.13417 | 36.12823 | 2.46747 | 45.87253 | 33.60147 | -0.05929 | 49.52929 | 43.34496 | 9.6842 | 32.5258 |
| 9/12/2025 | 3:00:00 PM | 33.64404 | 51.88513 | 18.24109 | 29.13891 | 36.13539 | 2.49135 | 45.84865 | 33.58693 | -0.05711 | 49.52711 | 43.32353 | 9.67949 | 32.53051 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/12/2025 | 4:00:00 PM | 33.63067 | 51.8601 | 18.22943 | 29.15057 | 36.12823 | 2.49756 | 45.84244 | 33.5724 | -0.05827 | 49.52827 | 43.30925 | 9.67858 | 32.53142 |
| 9/12/2025 | 5:00:00 PM | 33.61729 | 51.8458 | 18.22851 | 29.15149 | 36.12823 | 2.51094 | 45.82906 | 33.55786 | -0.05943 | 49.52943 | 43.29496 | 9.67767 | 32.53233 |
| 9/12/2025 | 6:00:00 PM | 33.60726 | 51.83149 | 18.22423 | 29.15577 | 36.12107 | 2.51381 | 45.82619 | 33.54696 | -0.0603 | 49.5303 | 43.29496 | 9.6877 | 32.5223 |
| 9/12/2025 | 7:00:00 PM | 33.60392 | 51.82434 | 18.22042 | 29.15958 | 36.11391 | 2.50999 | 45.83001 | 33.54696 | -0.05696 | 49.52696 | 43.29139 | 9.68747 | 32.52253 |
| 9/12/2025 | 8:00:00 PM | 33.60726 | 51.81719 | 18.20993 | 29.17007 | 36.11033 | 2.50307 | 45.83693 | 33.54332 | -0.06394 | 49.53394 | 43.29139 | 9.68413 | 32.52587 |
| 9/12/2025 | 9:00:00 PM | 33.60726 | 51.81719 | 18.20993 | 29.17007 | 36.10318 | 2.49592 | 45.84408 | 33.54332 | -0.06394 | 49.53394 | 43.28068 | 9.67342 | 32.53658 |
| 9/12/2025 | 10:00:00 PM | 33.59723 | 51.80288 | 18.20565 | 29.17435 | 36.09602 | 2.49879 | 45.84121 | 33.53969 | -0.05754 | 49.52754 | 43.26996 | 9.67273 | 32.53727 |
| 9/12/2025 | 11:00:00 PM | 33.59054 | 51.79573 | 18.20519 | 29.17481 | 36.08886 | 2.49832 | 45.84168 | 33.52515 | -0.06539 | 49.53539 | 43.25925 | 9.66871 | 32.54129 |
| 9/13/2025 | 12:00:00 AM | 33.57382 | 51.78143 | 18.20761 | 29.17239 | 36.08528 | 2.51146 | 45.82854 | 33.51425 | -0.05957 | 49.52957 | 43.24497 | 9.67115 | 32.53885 |
| 9/13/2025 | 1:00:00 AM | 33.55376 | 51.77785 | 18.22409 | 29.15591 | 36.07812 | 2.52436 | 45.81564 | 33.49608 | -0.05768 | 49.52768 | 43.23782 | 9.68406 | 32.52594 |
| 9/13/2025 | 2:00:00 AM | 33.54707 | 51.7707 | 18.22363 | 29.15637 | 36.07812 | 2.53105 | 45.80895 | 33.48881 | -0.05826 | 49.52826 | 43.23425 | 9.68718 | 32.52282 |
| 9/13/2025 | 3:00:00 AM | 33.54707 | 51.77428 | 18.22721 | 29.15279 | 36.06738 | 2.52031 | 45.81969 | 33.48518 | -0.06189 | 49.53189 | 43.22711 | 9.68004 | 32.52996 |
| 9/13/2025 | 4:00:00 AM | 33.53035 | 51.76712 | 18.23677 | 29.14323 | 36.06022 | 2.52987 | 45.81013 | 33.47791 | -0.05244 | 49.52244 | 43.21282 | 9.68247 | 32.52753 |
| 9/13/2025 | 5:00:00 AM | 33.52366 | 51.76355 | 18.23989 | 29.14011 | 36.05306 | 2.5294 | 45.8106 | 33.46701 | -0.05665 | 49.52665 | 43.20568 | 9.68202 | 32.52798 |
| 9/13/2025 | 6:00:00 AM | 33.51697 | 51.7707 | 18.25373 | 29.12627 | 36.04232 | 2.52535 | 45.81465 | 33.45247 | -0.0645 | 49.5345 | 43.20211 | 9.68514 | 32.52486 |
| 9/13/2025 | 7:00:00 AM | 33.51363 | 51.77428 | 18.26065 | 29.11935 | 36.03874 | 2.52511 | 45.81489 | 33.44883 | -0.0648 | 49.5348 | 43.19854 | 9.68491 | 32.52509 |
| 9/13/2025 | 8:00:00 AM | 33.50694 | 51.7707 | 18.26376 | 29.11624 | 36.03159 | 2.52465 | 45.81535 | 33.4452 | -0.06174 | 49.53174 | 43.19497 | 9.68803 | 32.52197 |
| 9/13/2025 | 9:00:00 AM | 33.51028 | 51.7707 | 18.26042 | 29.11958 | 36.02801 | 2.51773 | 45.82227 | 33.44883 | -0.06145 | 49.53145 | 43.18425 | 9.67397 | 32.53603 |
| 9/13/2025 | 10:00:00 AM | 33.50694 | 51.78143 | 18.27449 | 29.10551 | 36.01727 | 2.51033 | 45.82967 | 33.43793 | -0.06901 | 49.53901 | 43.18068 | 9.67374 | 32.53626 |
| 9/13/2025 | 11:00:00 AM | 33.49356 | 51.785 | 18.29144 | 29.08856 | 36.01369 | 2.52013 | 45.81987 | 33.4343 | -0.05926 | 49.52926 | 43.17354 | 9.67998 | 32.53002 |
| 9/13/2025 | 12:00:00 PM | 33.49691 | 51.77785 | 18.28094 | 29.09906 | 36.01011 | 2.5132 | 45.8268 | 33.42703 | -0.06988 | 49.53988 | 43.1664 | 9.66949 | 32.54051 |
| 9/13/2025 | 1:00:00 PM | 33.47016 | 51.76712 | 18.29696 | 29.08304 | 35.99221 | 2.52205 | 45.81795 | 33.40886 | -0.0613 | 49.5313 | 43.15211 | 9.68195 | 32.52805 |
| 9/13/2025 | 2:00:00 PM | 33.45009 | 51.74924 | 18.29915 | 29.08085 | 35.99937 | 2.54928 | 45.79072 | 33.40159 | -0.0485 | 49.5185 | 43.13783 | 9.68774 | 32.52226 |
| 9/13/2025 | 3:00:00 PM | 33.42334 | 51.71348 | 18.29014 | 29.08986 | 35.98505 | 2.56171 | 45.77829 | 33.38342 | -0.03992 | 49.50992 | 43.10926 | 9.68592 | 32.52408 |
| 9/13/2025 | 4:00:00 PM | 33.42 | 51.70633 | 18.28633 | 29.09367 | 35.97431 | 2.55431 | 45.78569 | 33.36888 | -0.05112 | 49.52112 | 43.10211 | 9.68211 | 32.52789 |
| 9/13/2025 | 5:00:00 PM | 33.41331 | 51.68487 | 18.27156 | 29.10844 | 35.96715 | 2.55384 | 45.78616 | 33.36161 | -0.0517 | 49.5217 | 43.10211 | 9.6888 | 32.5212 |
| 9/13/2025 | 6:00:00 PM | 33.41331 | 51.67057 | 18.25726 | 29.12274 | 35.94926 | 2.53595 | 45.80405 | 33.34708 | -0.06623 | 49.53623 | 43.09854 | 9.68523 | 32.52477 |
| 9/13/2025 | 7:00:00 PM | 33.40328 | 51.66342 | 18.26014 | 29.11986 | 35.95284 | 2.54956 | 45.79044 | 33.34708 | -0.0562 | 49.5262 | 43.08069 | 9.67741 | 32.53259 |
| 9/13/2025 | 8:00:00 PM | 33.41665 | 51.65984 | 18.24319 | 29.13681 | 35.94568 | 2.52903 | 45.81097 | 33.35435 | -0.0623 | 49.5323 | 43.08426 | 9.66761 | 32.54239 |
| 9/13/2025 | 9:00:00 PM | 33.40328 | 51.64911 | 18.24583 | 29.13417 | 35.93494 | 2.53166 | 45.80834 | 33.34344 | -0.05984 | 49.52984 | 43.07354 | 9.67026 | 32.53974 |
| 9/13/2025 | 10:00:00 PM | 33.39993 | 51.63839 | 18.23846 | 29.14154 | 35.92778 | 2.52785 | 45.81215 | 33.33981 | -0.06012 | 49.53012 | 43.0664 | 9.66647 | 32.54353 |
| 9/13/2025 | 11:00:00 PM | 33.40328 | 51.63481 | 18.23153 | 29.14847 | 35.90988 | 2.5066 | 45.8334 | 33.33618 | -0.0671 | 49.5371 | 43.06997 | 9.66669 | 32.54331 |
| 9/14/2025 | 12:00:00 AM | 33.39324 | 51.63123 | 18.23799 | 29.14201 | 35.9063 | 2.51306 | 45.82694 | 33.32527 | -0.06797 | 49.53797 | 43.05926 | 9.66602 | 32.54398 |
| 9/14/2025 | 1:00:00 AM | 33.39324 | 51.62766 | 18.23442 | 29.14558 | 35.90272 | 2.50948 | 45.83052 | 33.32891 | -0.06433 | 49.53433 | 43.05926 | 9.66602 | 32.54398 |
| 9/14/2025 | 2:00:00 AM | 33.39324 | 51.59905 | 18.20581 | 29.17419 | 35.89198 | 2.49874 | 45.84126 | 33.33618 | -0.05706 | 49.52706 | 43.05569 | 9.66245 | 32.54755 |
| 9/14/2025 | 3:00:00 AM | 33.39659 | 51.58832 | 18.19173 | 29.18827 | 35.8884 | 2.49181 | 45.84819 | 33.33618 | -0.06041 | 49.53041 | 43.05926 | 9.66267 | 32.54733 |
| 9/14/2025 | 4:00:00 AM | 33.3899 | 51.58474 | 18.19484 | 29.18516 | 35.88124 | 2.49134 | 45.84866 | 33.32164 | -0.06826 | 49.53826 | 43.05212 | 9.66222 | 32.54778 |
| 9/14/2025 | 5:00:00 AM | 33.37987 | 51.58474 | 18.20487 | 29.17513 | 35.87409 | 2.49422 | 45.84578 | 33.31437 | -0.0655 | 49.5355 | 43.04497 | 9.6651 | 32.5449 |
| 9/14/2025 | 6:00:00 AM | 33.3899 | 51.59547 | 18.20557 | 29.17443 | 35.87409 | 2.48419 | 45.85581 | 33.31437 | -0.07553 | 49.54553 | 43.05212 | 9.66222 | 32.54778 |
| 9/14/2025 | 7:00:00 AM | 33.40328 | 51.60978 | 18.2065 | 29.1735 | 35.87767 | 2.47439 | 45.86561 | 33.32164 | -0.08164 | 49.55164 | 43.05926 | 9.65598 | 32.55402 |
| 9/14/2025 | 8:00:00 AM | 33.43337 | 51.65269 | 18.21932 | 29.16068 | 35.87051 | 2.43714 | 45.90286 | 33.34708 | -0.08629 | 49.55629 | 43.08069 | 9.64732 | 32.56268 |
| 9/14/2025 | 9:00:00 AM | 33.43672 | 51.65627 | 18.21955 | 29.16045 | 35.86335 | 2.42663 | 45.91337 | 33.36161 | -0.07511 | 49.54511 | 43.08069 | 9.64397 | 32.56603 |
| 9/14/2025 | 10:00:00 AM | 33.45344 | 51.67772 | 18.22428 | 29.15572 | 35.86693 | 2.41349 | 45.92651 | 33.36888 | -0.08456 | 49.55456 | 43.0914 | 9.63796 | 32.57204 |
| 9/14/2025 | 11:00:00 AM | 33.46681 | 51.70633 | 18.23952 | 29.14048 | 35.86693 | 2.40012 | 45.93988 | 33.37979 | -0.08702 | 49.55702 | 43.10211 | 9.6353 | 32.5747 |
| 9/14/2025 | 12:00:00 PM | 33.57716 | 51.785 | 18.20784 | 29.17216 | 35.87051 | 2.29335 | 46.04665 | 33.39432 | -0.18284 | 49.65284 | 43.10926 | 9.5321 | 32.6779 |
| 9/14/2025 | 1:00:00 PM | 33.66076 | 51.785 | 18.12424 | 29.25576 | 35.88124 | 2.22048 | 46.11952 | 33.41976 | -0.241 | 49.711 | 43.14854 | 9.48778 | 32.72222 |
| 9/14/2025 | 2:00:00 PM | 33.68417 | 51.83507 | 18.1509 | 29.2291 | 35.89198 | 2.20781 | 46.13219 | 33.4452 | -0.23897 | 49.70897 | 43.17354 | 9.48937 | 32.72063 |
| 9/14/2025 | 3:00:00 PM | 33.70089 | 51.87441 | 18.17352 | 29.20648 | 35.89556 | 2.19467 | 46.14533 | 33.46701 | -0.23388 | 49.70388 | 43.19497 | 9.49408 | 32.71592 |
| 9/14/2025 | 4:00:00 PM | 33.7243 | 51.91374 | 18.18944 | 29.19056 | 35.89914 | 2.17484 | 46.16516 | 33.48881 | -0.23549 | 49.70549 | 43.2164 | 9.4921 | 32.7179 |
| 9/14/2025 | 5:00:00 PM | 33.75105 | 51.96381 | 18.21276 | 29.16724 | 35.92062 | 2.16957 | 46.17043 | 33.51425 | -0.2368 | 49.7068 | 43.23425 | 9.4832 | 32.7268 |
| 9/14/2025 | 6:00:00 PM | 33.77112 | 52.00672 | 18.2356 | 29.1444 | 35.93136 | 2.16024 | 46.17976 | 33.54332 | -0.2278 | 49.6978 | 43.26282 | 9.4917 | 32.7183 |
| 9/14/2025 | 7:00:00 PM | 33.78784 | 52.04248 | 18.25464 | 29.12536 | 35.9421 | 2.15426 | 46.18574 | 33.56513 | -0.22271 | 49.69271 | 43.27711 | 9.48927 | 32.72073 |
| 9/14/2025 | 8:00:00 PM | 33.79452 | 52.07109 | 18.27657 | 29.10343 | 35.96357 | 2.16905 | 46.17095 | 33.58693 | -0.20759 | 49.67759 | 43.30568 | 9.51116 | 32.69884 |
| 9/14/2025 | 9:00:00 PM | 33.75774 | 51.99599 | 18.23825 | 29.14175 | 35.98147 | 2.22373 | 46.11627 | 33.60874 | -0.149 | 49.619 | 43.33068 | 9.57294 | 32.63706 |
| 9/14/2025 | 10:00:00 PM | 33.77112 | 52.02102 | 18.2499 | 29.1301 | 35.99221 | 2.22109 | 46.11891 | 33.62691 | -0.14421 | 49.61421 | 43.34496 | 9.57384 | 32.63616 |
| 9/14/2025 | 11:00:00 PM | 33.7778 | 52.04606 | 18.26826 | 29.11174 | 36.01727 | 2.23947 | 46.10053 | 33.64144 | -0.13636 | 49.60636 | 43.36639 | 9.58859 | 32.62141 |
| 9/15/2025 | 12:00:00 AM | 33.76777 | 52.06394 | 18.29617 | 29.08383 | 36.02801 | 2.26024 | 46.07976 | 33.65235 | -0.11542 | 49.58542 | 43.36996 | 9.60219 | 32.60781 |
| 9/15/2025 | 1:00:00 AM | 33.78115 | 52.07824 | 18.29709 | 29.08291 | 36.0459 | 2.26475 | 46.07525 | 33.67415 | -0.107 | 49.577 | 43.38425 | 9.6031 | 32.6069 |
| 9/15/2025 | 2:00:00 AM | 33.78784 | 52.0997 | 18.31186 | 29.06814 | 36.0638 | 2.27596 | 46.06404 | 33.68869 | -0.09915 | 49.56915 | 43.39853 | 9.61069 | 32.59931 |
| 9/15/2025 | 3:00:00 AM | 33.79118 | 52.11043 | 18.31925 | 29.06075 | 36.07812 | 2.28694 | 46.05306 | 33.69232 | -0.09886 | 49.56886 | 43.41282 | 9.62164 | 32.58836 |
| 9/15/2025 | 4:00:00 AM | 33.78784 | 52.12115 | 18.33331 | 29.04669 | 36.09602 | 2.30818 | 46.03182 | 33.70686 | -0.08098 | 49.55098 | 43.41996 | 9.63212 | 32.57788 |
| 9/15/2025 | 5:00:00 AM | 33.80121 | 52.13546 | 18.33425 | 29.04575 | 36.11033 | 2.30912 | 46.03088 | 33.71413 | -0.08708 | 49.55708 | 43.44139 | 9.64018 | 32.56982 |
| 9/15/2025 | 6:00:00 AM | 33.79452 | 52.13188 | 18.33736 | 29.04264 | 36.11749 | 2.32297 | 46.01703 | 33.7214 | -0.07312 | 49.54312 | 43.41996 | 9.62544 | 32.58456 |
| 9/15/2025 | 7:00:00 AM | 33.79118 | 52.13903 | 18.34785 | 29.03215 | 36.13181 | 2.34063 | 45.99937 | 33.7214 | -0.06978 | 49.53978 | 43.44496 | 9.65378 | 32.55622 |
| 9/15/2025 | 8:00:00 AM | 33.80456 | 52.16407 | 18.35951 | 29.02049 | 36.13897 | 2.33441 | 46.00559 | 33.73957 | -0.06499 | 49.53499 | 43.46996 | 9.6654 | 32.5446 |
| 9/15/2025 | 9:00:00 AM | 33.80456 | 52.18195 | 18.37739 | 29.00261 | 36.15329 | 2.34873 | 45.99127 | 33.7541 | -0.05046 | 49.52046 | 43.48067 | 9.67611 | 32.53389 |
| 9/15/2025 | 10:00:00 AM | 33.81793 | 52.1891 | 18.37117 | 29.00883 | 36.16761 | 2.34968 | 45.99032 | 33.76137 | -0.05656 | 49.52656 | 43.48781 | 9.66988 | 32.54012 |
| 9/15/2025 | 11:00:00 AM | 33.82462 | 52.1891 | 18.36448 | 29.01552 | 36.17835 | 2.35373 | 45.98627 | 33.76137 | -0.06325 | 49.53325 | 43.4771 | 9.65248 | 32.55752 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/15/2025 | 12:00:00 PM | 33.83465 | 52.17837 | 18.34372 | 29.03628 | 36.18551 | 2.35086 | 45.98914 | 33.7541 | -0.08055 | 49.55055 | 43.46996 | 9.63531 | 32.57469 |
| 9/15/2025 | 1:00:00 PM | 33.84803 | 52.17122 | 18.32319 | 29.05681 | 36.19624 | 2.34821 | 45.99179 | 33.7432 | -0.10483 | 49.57483 | 43.46282 | 9.61479 | 32.59521 |
| 9/15/2025 | 2:00:00 PM | 33.89484 | 52.16049 | 18.26565 | 29.11435 | 36.20698 | 2.31214 | 46.02786 | 33.73593 | -0.15891 | 49.62891 | 43.45567 | 9.56083 | 32.64917 |
| 9/15/2025 | 3:00:00 PM | 33.8614 | 52.13188 | 18.27048 | 29.10952 | 36.2034 | 2.342 | 45.998 | 33.71776 | -0.14364 | 49.61364 | 43.43782 | 9.57642 | 32.63358 |
| 9/15/2025 | 4:00:00 PM | 33.85472 | 52.12115 | 18.26643 | 29.11357 | 36.21772 | 2.363 | 45.977 | 33.71049 | -0.14423 | 49.61423 | 43.43067 | 9.57595 | 32.63405 |
| 9/15/2025 | 5:00:00 PM | 33.84134 | 52.10685 | 18.26551 | 29.11449 | 36.20698 | 2.36564 | 45.97436 | 33.69596 | -0.14538 | 49.61538 | 43.4271 | 9.58576 | 32.62424 |
| 9/15/2025 | 6:00:00 PM | 33.838 | 52.0997 | 18.2617 | 29.1183 | 36.20698 | 2.36898 | 45.97102 | 33.69232 | -0.14568 | 49.61568 | 43.42353 | 9.58553 | 32.62447 |
| 9/15/2025 | 7:00:00 PM | 33.838 | 52.09612 | 18.25812 | 29.12188 | 36.21056 | 2.37256 | 45.96744 | 33.69232 | -0.14568 | 49.61568 | 43.41996 | 9.58196 | 32.62804 |
| 9/15/2025 | 8:00:00 PM | 33.81459 | 52.08897 | 18.27438 | 29.10562 | 36.20698 | 2.39239 | 45.94761 | 33.68142 | -0.13317 | 49.60317 | 43.41996 | 9.60537 | 32.60463 |
| 9/15/2025 | 9:00:00 PM | 33.8079 | 52.08897 | 18.28107 | 29.09893 | 36.19982 | 2.39192 | 45.94808 | 33.68505 | -0.12285 | 49.59285 | 43.40567 | 9.59777 | 32.61223 |
| 9/15/2025 | 10:00:00 PM | 33.79787 | 52.07109 | 18.27322 | 29.10678 | 36.2034 | 2.40553 | 45.93447 | 33.68142 | -0.11645 | 49.58645 | 43.40925 | 9.61138 | 32.59862 |
| 9/15/2025 | 11:00:00 PM | 33.78784 | 52.08539 | 18.29755 | 29.08245 | 36.19982 | 2.41198 | 45.92802 | 33.67779 | -0.11005 | 49.58005 | 43.40567 | 9.61783 | 32.59217 |
| 9/16/2025 | 12:00:00 AM | 33.7778 | 52.08897 | 18.31117 | 29.06883 | 36.2034 | 2.4256 | 45.9144 | 33.68142 | -0.09638 | 49.56638 | 43.4021 | 9.6243 | 32.5857 |
| 9/16/2025 | 1:00:00 AM | 33.77112 | 52.08182 | 18.3107 | 29.0693 | 36.19624 | 2.42512 | 45.91488 | 33.67052 | -0.1006 | 49.5706 | 43.39496 | 9.62384 | 32.58616 |
| 9/16/2025 | 2:00:00 AM | 33.75774 | 52.06751 | 18.30977 | 29.07023 | 36.18908 | 2.43134 | 45.90866 | 33.66688 | -0.09086 | 49.56086 | 43.39139 | 9.63365 | 32.57635 |
| 9/16/2025 | 3:00:00 AM | 33.7544 | 52.06394 | 18.30954 | 29.07046 | 36.19266 | 2.43826 | 45.90174 | 33.66325 | -0.09115 | 49.56115 | 43.38425 | 9.62985 | 32.58015 |
| 9/16/2025 | 4:00:00 AM | 33.74436 | 52.04606 | 18.3017 | 29.0783 | 36.19266 | 2.4483 | 45.8917 | 33.65235 | -0.09201 | 49.56201 | 43.37353 | 9.62917 | 32.58083 |
| 9/16/2025 | 5:00:00 AM | 33.73099 | 52.03533 | 18.30434 | 29.07566 | 36.18551 | 2.45452 | 45.88548 | 33.63418 | -0.09681 | 49.56681 | 43.35925 | 9.62826 | 32.58174 |
| 9/16/2025 | 6:00:00 AM | 33.71761 | 52.02102 | 18.30341 | 29.07659 | 36.18193 | 2.46432 | 45.87568 | 33.62691 | -0.0907 | 49.5607 | 43.34496 | 9.62735 | 32.58265 |
| 9/16/2025 | 7:00:00 AM | 33.71427 | 52.01387 | 18.2996 | 29.0804 | 36.18193 | 2.46766 | 45.87234 | 33.61237 | -0.1019 | 49.5719 | 43.34139 | 9.62712 | 32.58288 |
| 9/16/2025 | 8:00:00 AM | 33.71761 | 52.0103 | 18.29269 | 29.08731 | 36.17477 | 2.45716 | 45.88284 | 33.59783 | -0.11978 | 49.58978 | 43.32353 | 9.60592 | 32.60408 |
| 9/16/2025 | 9:00:00 AM | 33.71427 | 51.99957 | 18.2853 | 29.0947 | 36.15687 | 2.4426 | 45.8974 | 33.58693 | -0.12734 | 49.59734 | 43.31996 | 9.60569 | 32.60431 |
| 9/16/2025 | 10:00:00 AM | 33.7243 | 52.00672 | 18.28242 | 29.09758 | 36.15329 | 2.42899 | 45.91101 | 33.57966 | -0.14464 | 49.61464 | 43.31996 | 9.59566 | 32.61434 |
| 9/16/2025 | 11:00:00 AM | 33.73433 | 51.99599 | 18.26166 | 29.11834 | 36.14971 | 2.41538 | 45.92462 | 33.5724 | -0.16193 | 49.63193 | 43.29496 | 9.56063 | 32.64937 |
| 9/16/2025 | 12:00:00 PM | 33.7544 | 51.98526 | 18.23086 | 29.14914 | 36.13897 | 2.38457 | 45.95543 | 33.56876 | -0.18564 | 49.65564 | 43.28068 | 9.52628 | 32.68372 |
| 9/16/2025 | 1:00:00 PM | 33.76777 | 51.97454 | 18.20677 | 29.17323 | 36.13181 | 2.36404 | 45.97596 | 33.54332 | -0.22445 | 49.69445 | 43.26996 | 9.50219 | 32.70781 |
| 9/16/2025 | 2:00:00 PM | 33.7778 | 51.94593 | 18.16813 | 29.21187 | 36.11749 | 2.33969 | 46.00031 | 33.53605 | -0.24175 | 49.71175 | 43.24854 | 9.47074 | 32.73926 |
| 9/16/2025 | 3:00:00 PM | 33.74102 | 51.92805 | 18.18703 | 29.19297 | 36.12107 | 2.38005 | 45.95995 | 33.51061 | -0.23041 | 49.70041 | 43.22711 | 9.48609 | 32.72391 |
| 9/16/2025 | 4:00:00 PM | 33.73768 | 51.91017 | 18.17249 | 29.20751 | 36.10676 | 2.36908 | 45.97092 | 33.49244 | -0.24524 | 49.71524 | 43.21997 | 9.48229 | 32.72771 |
| 9/16/2025 | 5:00:00 PM | 33.72096 | 51.88871 | 18.16775 | 29.21225 | 36.09244 | 2.37148 | 45.96852 | 33.48881 | -0.23215 | 49.70215 | 43.20568 | 9.48472 | 32.72528 |
| 9/16/2025 | 6:00:00 PM | 33.71092 | 51.87441 | 18.16349 | 29.21651 | 36.07812 | 2.3672 | 45.9728 | 33.47791 | -0.23301 | 49.70301 | 43.1914 | 9.48048 | 32.72952 |
| 9/16/2025 | 7:00:00 PM | 33.69755 | 51.8601 | 18.16255 | 29.21745 | 36.06738 | 2.36983 | 45.97017 | 33.46701 | -0.23054 | 49.70054 | 43.18782 | 9.49027 | 32.71973 |
| 9/16/2025 | 8:00:00 PM | 33.68752 | 51.8601 | 18.17258 | 29.20742 | 36.0638 | 2.37628 | 45.96372 | 33.46701 | -0.22051 | 49.69051 | 43.18425 | 9.49673 | 32.71327 |
| 9/16/2025 | 9:00:00 PM | 33.67748 | 51.86368 | 18.1862 | 29.1938 | 36.04948 | 2.372 | 45.968 | 33.47791 | -0.19957 | 49.66957 | 43.19497 | 9.51749 | 32.69251 |
| 9/16/2025 | 10:00:00 PM | 33.6708 | 51.88156 | 18.21076 | 29.16924 | 36.04232 | 2.37152 | 45.96848 | 33.48518 | -0.18562 | 49.65562 | 43.20211 | 9.53131 | 32.67869 |
| 9/16/2025 | 11:00:00 PM | 33.67748 | 51.88156 | 18.20408 | 29.17592 | 36.03159 | 2.35411 | 45.98589 | 33.49971 | -0.17777 | 49.64777 | 43.20211 | 9.52463 | 32.68537 |
| 9/17/2025 | 12:00:00 AM | 33.66076 | 51.89229 | 18.23153 | 29.14847 | 36.02801 | 2.36725 | 45.97275 | 33.49971 | -0.16105 | 49.63105 | 43.20211 | 9.54135 | 32.66865 |
| 9/17/2025 | 1:00:00 AM | 33.66076 | 51.90301 | 18.24225 | 29.13775 | 36.03874 | 2.37798 | 45.96202 | 33.51061 | -0.15015 | 49.62015 | 43.20925 | 9.54849 | 32.66151 |
| 9/17/2025 | 2:00:00 AM | 33.66076 | 51.92447 | 18.26371 | 29.11629 | 36.03159 | 2.37083 | 45.96917 | 33.52515 | -0.13561 | 49.60561 | 43.22711 | 9.56635 | 32.64365 |
| 9/17/2025 | 3:00:00 AM | 33.65742 | 51.92805 | 18.27063 | 29.10937 | 36.02443 | 2.36701 | 45.97299 | 33.53605 | -0.12137 | 49.59137 | 43.23068 | 9.57326 | 32.63674 |
| 9/17/2025 | 4:00:00 AM | 33.66076 | 51.93877 | 18.27801 | 29.10199 | 36.03159 | 2.37083 | 45.96917 | 33.53605 | -0.12471 | 49.59471 | 43.22711 | 9.56635 | 32.64365 |
| 9/17/2025 | 5:00:00 AM | 33.66411 | 51.95308 | 18.28897 | 29.09103 | 36.02801 | 2.3639 | 45.9761 | 33.55422 | -0.10989 | 49.57989 | 43.25568 | 9.59157 | 32.61843 |
| 9/17/2025 | 6:00:00 AM | 33.65408 | 51.96738 | 18.3133 | 29.0667 | 36.03516 | 2.38108 | 45.95892 | 33.57603 | -0.07805 | 49.54805 | 43.25925 | 9.60517 | 32.60483 |
| 9/17/2025 | 7:00:00 AM | 33.66076 | 51.99242 | 18.33166 | 29.04834 | 36.03874 | 2.37798 | 45.96202 | 33.57966 | -0.0811 | 49.5511 | 43.28068 | 9.61992 | 32.59008 |
| 9/17/2025 | 8:00:00 AM | 33.66411 | 52.0103 | 18.34619 | 29.03381 | 36.03874 | 2.37463 | 45.96537 | 33.6051 | -0.05901 | 49.52901 | 43.29496 | 9.63085 | 32.57915 |
| 9/17/2025 | 9:00:00 AM | 33.6708 | 52.02818 | 18.35738 | 29.02262 | 36.04948 | 2.37868 | 45.96132 | 33.61601 | -0.05479 | 49.52479 | 43.30568 | 9.63488 | 32.57512 |
| 9/17/2025 | 10:00:00 AM | 33.68417 | 52.0389 | 18.35473 | 29.02527 | 36.06022 | 2.37605 | 45.96395 | 33.62691 | -0.05726 | 49.52726 | 43.30925 | 9.62508 | 32.58492 |
| 9/17/2025 | 11:00:00 AM | 33.69755 | 52.04606 | 18.34851 | 29.03149 | 36.0638 | 2.36625 | 45.97375 | 33.63418 | -0.06337 | 49.53337 | 43.31996 | 9.62241 | 32.58759 |
| 9/17/2025 | 12:00:00 PM | 33.72764 | 52.04606 | 18.31842 | 29.06158 | 36.06738 | 2.33974 | 46.00026 | 33.64508 | -0.08256 | 49.55256 | 43.31639 | 9.58875 | 32.62125 |
| 9/17/2025 | 1:00:00 PM | 33.76777 | 52.06394 | 18.29617 | 29.08383 | 36.08528 | 2.31751 | 46.02249 | 33.64508 | -0.12269 | 49.59269 | 43.33068 | 9.56291 | 32.64709 |
| 9/17/2025 | 2:00:00 PM | 33.81459 | 52.04248 | 18.22789 | 29.15211 | 36.08528 | 2.27069 | 46.06931 | 33.64871 | -0.16588 | 49.63588 | 43.32353 | 9.50894 | 32.70106 |
| 9/17/2025 | 3:00:00 PM | 33.78784 | 52.0389 | 18.25106 | 29.12894 | 36.09244 | 2.3046 | 46.0354 | 33.65598 | -0.13186 | 49.60186 | 43.32711 | 9.53927 | 32.67073 |
| 9/17/2025 | 4:00:00 PM | 33.7778 | 52.03533 | 18.25753 | 29.12247 | 36.10318 | 2.32538 | 46.01462 | 33.64508 | -0.13272 | 49.60272 | 43.32353 | 9.54573 | 32.66427 |
| 9/17/2025 | 5:00:00 PM | 33.76443 | 52.03175 | 18.26732 | 29.11268 | 36.0996 | 2.33517 | 46.00483 | 33.64871 | -0.11572 | 49.58572 | 43.32353 | 9.5591 | 32.6509 |
| 9/17/2025 | 6:00:00 PM | 33.75105 | 52.0246 | 18.27355 | 29.10645 | 36.11033 | 2.35928 | 45.98072 | 33.63781 | -0.11324 | 49.58324 | 43.33425 | 9.5832 | 32.6268 |
| 9/17/2025 | 7:00:00 PM | 33.74436 | 52.01745 | 18.27309 | 29.10691 | 36.11391 | 2.36955 | 45.97045 | 33.64144 | -0.10292 | 49.57292 | 43.32711 | 9.58275 | 32.62725 |
| 9/17/2025 | 8:00:00 PM | 33.74102 | 52.0246 | 18.28358 | 29.09642 | 36.11391 | 2.37289 | 45.96711 | 33.64144 | -0.09958 | 49.56958 | 43.33782 | 9.5968 | 32.6132 |
| 9/17/2025 | 9:00:00 PM | 33.7243 | 52.0246 | 18.3003 | 29.0797 | 36.11749 | 2.39319 | 45.94681 | 33.64871 | -0.07559 | 49.54559 | 43.34853 | 9.62423 | 32.58577 |
| 9/17/2025 | 10:00:00 PM | 33.71092 | 52.0246 | 18.31368 | 29.06632 | 36.12107 | 2.41015 | 45.92985 | 33.66325 | -0.04767 | 49.51767 | 43.3521 | 9.64118 | 32.56882 |
| 9/17/2025 | 11:00:00 PM | 33.70758 | 52.02102 | 18.31344 | 29.06656 | 36.12465 | 2.41707 | 45.92293 | 33.66325 | -0.04433 | 49.51433 | 43.34139 | 9.63381 | 32.57619 |
| 9/18/2025 | 12:00:00 AM | 33.68417 | 52.0103 | 18.32613 | 29.05387 | 36.12823 | 2.44406 | 45.89594 | 33.65962 | -0.02455 | 49.49455 | 43.33425 | 9.65008 | 32.55992 |
| 9/18/2025 | 1:00:00 AM | 33.68083 | 52.0103 | 18.32947 | 29.05053 | 36.13539 | 2.45456 | 45.88544 | 33.65598 | -0.02485 | 49.49485 | 43.33782 | 9.65699 | 32.55301 |
| 9/18/2025 | 2:00:00 AM | 33.67414 | 52.0103 | 18.33616 | 29.04384 | 36.13539 | 2.46125 | 45.87875 | 33.65235 | -0.02179 | 49.49179 | 43.33782 | 9.66368 | 32.54632 |
| 9/18/2025 | 3:00:00 AM | 33.66076 | 52.00672 | 18.34596 | 29.03404 | 36.13897 | 2.47821 | 45.86179 | 33.64871 | -0.01205 | 49.48205 | 43.33068 | 9.66992 | 32.54008 |
| 9/18/2025 | 4:00:00 AM | 33.65408 | 52.01745 | 18.36337 | 29.01663 | 36.13539 | 2.48131 | 45.85869 | 33.64508 | -0.009 | 49.479 | 43.34139 | 9.68731 | 32.52269 |
| 9/18/2025 | 5:00:00 AM | 33.65408 | 52.02818 | 18.3741 | 29.0059 | 36.14255 | 2.48847 | 45.85153 | 33.65235 | -0.00173 | 49.47173 | 43.3521 | 9.69802 | 32.51198 |
| 9/18/2025 | 6:00:00 AM | 33.64404 | 52.03533 | 18.39129 | 28.98871 | 36.13897 | 2.49493 | 45.84507 | 33.65235 | 0.00831 | 49.46169 | 43.34496 | 9.70092 | 32.50908 |
| 9/18/2025 | 7:00:00 AM | 33.64404 | 52.03175 | 18.38771 | 28.99229 | 36.13897 | 2.49493 | 45.84507 | 33.65235 | 0.00831 | 49.46169 | 43.34853 | 9.70449 | 32.50551 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/18/2025 | 8:00:00 AM | 33.65073 | 52.07824 | 18.42751 | 28.95249 | 36.13897 | 2.48824 | 45.85176 | 33.66325 | 0.01252 | 49.45748 | 43.3521 | 9.70137 | 32.50863 |
| 9/18/2025 | 9:00:00 AM | 33.65742 | 52.07109 | 18.41367 | 28.96633 | 36.14255 | 2.48513 | 45.85487 | 33.65235 | -0.00507 | 49.47507 | 43.34139 | 9.68397 | 32.52603 |
| 9/18/2025 | 10:00:00 AM | 33.66745 | 52.07109 | 18.40364 | 28.97636 | 36.14613 | 2.47868 | 45.86132 | 33.65598 | -0.01147 | 49.48147 | 43.34139 | 9.67394 | 32.53606 |
| 9/18/2025 | 11:00:00 AM | 33.67748 | 52.06394 | 18.38646 | 28.99354 | 36.14255 | 2.46507 | 45.87493 | 33.65235 | -0.02513 | 49.49513 | 43.33425 | 9.65677 | 32.55323 |
| 9/18/2025 | 12:00:00 PM | 33.68417 | 52.07109 | 18.38692 | 28.99308 | 36.14613 | 2.46196 | 45.87804 | 33.64871 | -0.03546 | 49.50546 | 43.33425 | 9.65008 | 32.55992 |
| 9/18/2025 | 1:00:00 PM | 33.69086 | 52.07109 | 18.38023 | 28.99977 | 36.14613 | 2.45527 | 45.88473 | 33.63781 | -0.05305 | 49.52305 | 43.33068 | 9.63982 | 32.57018 |
| 9/18/2025 | 2:00:00 PM | 33.69755 | 52.06394 | 18.36639 | 29.01361 | 36.14255 | 2.445 | 45.895 | 33.63418 | -0.06337 | 49.53337 | 43.30925 | 9.6117 | 32.5983 |
| 9/18/2025 | 3:00:00 PM | 33.6942 | 52.03533 | 18.34113 | 29.03887 | 36.13897 | 2.44477 | 45.89523 | 33.61237 | -0.08183 | 49.55183 | 43.29139 | 9.59719 | 32.61281 |
| 9/18/2025 | 4:00:00 PM | 33.67748 | 52.01387 | 18.33639 | 29.04361 | 36.13897 | 2.46149 | 45.87851 | 33.5833 | -0.09418 | 49.56418 | 43.26996 | 9.59248 | 32.61752 |
| 9/18/2025 | 5:00:00 PM | 33.66411 | 51.96738 | 18.30327 | 29.07673 | 36.12823 | 2.46412 | 45.87588 | 33.57966 | -0.08445 | 49.55445 | 43.27711 | 9.613 | 32.597 |
| 9/18/2025 | 6:00:00 PM | 33.65742 | 51.95666 | 18.29924 | 29.08076 | 36.13181 | 2.47439 | 45.86561 | 33.56513 | -0.09229 | 49.56229 | 43.25925 | 9.60183 | 32.60817 |
| 9/18/2025 | 7:00:00 PM | 33.6407 | 51.94235 | 18.30165 | 29.07835 | 36.11749 | 2.47679 | 45.86321 | 33.55786 | -0.08284 | 49.55284 | 43.25925 | 9.61855 | 32.59145 |
| 9/18/2025 | 8:00:00 PM | 33.63736 | 51.94593 | 18.30857 | 29.07143 | 36.11033 | 2.47297 | 45.86703 | 33.55786 | -0.0795 | 49.5495 | 43.25925 | 9.62189 | 32.58811 |
| 9/18/2025 | 9:00:00 PM | 33.63067 | 51.9495 | 18.31883 | 29.06117 | 36.10318 | 2.47251 | 45.86749 | 33.56149 | -0.06918 | 49.53918 | 43.25925 | 9.62858 | 32.58142 |
| 9/18/2025 | 10:00:00 PM | 33.62398 | 51.9495 | 18.32552 | 29.05448 | 36.08886 | 2.46488 | 45.87512 | 33.56513 | -0.05885 | 49.52885 | 43.25925 | 9.63527 | 32.57473 |
| 9/18/2025 | 11:00:00 PM | 33.60726 | 51.94235 | 18.33509 | 29.04491 | 36.09602 | 2.48876 | 45.85124 | 33.55786 | -0.0494 | 49.5194 | 43.25211 | 9.64485 | 32.56515 |
| 9/19/2025 | 12:00:00 AM | 33.59388 | 51.94235 | 18.34847 | 29.03153 | 36.08528 | 2.4914 | 45.8486 | 33.56876 | -0.02512 | 49.49512 | 43.24497 | 9.65109 | 32.55891 |
| 9/19/2025 | 1:00:00 AM | 33.59054 | 51.94593 | 18.35539 | 29.02461 | 36.08886 | 2.49832 | 45.84168 | 33.56149 | -0.02905 | 49.49905 | 43.24854 | 9.658 | 32.552 |
| 9/19/2025 | 2:00:00 AM | 33.58385 | 51.94593 | 18.36208 | 29.01792 | 36.07812 | 2.49427 | 45.84573 | 33.55786 | -0.02599 | 49.49599 | 43.24139 | 9.65754 | 32.55246 |
| 9/19/2025 | 3:00:00 AM | 33.58051 | 51.94593 | 18.36542 | 29.01458 | 36.0817 | 2.50119 | 45.83881 | 33.54696 | -0.03355 | 49.50355 | 43.23782 | 9.65731 | 32.55269 |
| 9/19/2025 | 4:00:00 AM | 33.57048 | 51.9352 | 18.36472 | 29.01528 | 36.07096 | 2.50048 | 45.83952 | 33.54332 | -0.02716 | 49.49716 | 43.23425 | 9.66377 | 32.54623 |
| 9/19/2025 | 5:00:00 AM | 33.57382 | 51.96738 | 18.39356 | 28.98644 | 36.07454 | 2.50072 | 45.83928 | 33.55059 | -0.02323 | 49.49323 | 43.24497 | 9.67115 | 32.53885 |
| 9/19/2025 | 6:00:00 AM | 33.57048 | 51.96738 | 18.3969 | 28.9831 | 36.06738 | 2.4969 | 45.8431 | 33.55786 | -0.01262 | 49.48262 | 43.23782 | 9.66734 | 32.54266 |
| 9/19/2025 | 7:00:00 AM | 33.57048 | 51.98169 | 18.41121 | 28.96879 | 36.06022 | 2.48974 | 45.85026 | 33.54696 | -0.02352 | 49.49352 | 43.23782 | 9.66734 | 32.54266 |
| 9/19/2025 | 8:00:00 AM | 33.56713 | 51.98526 | 18.41813 | 28.96187 | 36.06022 | 2.49309 | 45.84691 | 33.55786 | -0.00927 | 49.47927 | 43.24497 | 9.67784 | 32.53216 |
| 9/19/2025 | 9:00:00 AM | 33.57048 | 51.98169 | 18.41121 | 28.96879 | 36.06022 | 2.48974 | 45.85026 | 33.55059 | -0.01989 | 49.48989 | 43.23782 | 9.66734 | 32.54266 |
| 9/19/2025 | 10:00:00 AM | 33.54038 | 51.89944 | 18.35906 | 29.02094 | 36.06022 | 2.51984 | 45.82016 | 33.55422 | 0.01384 | 49.45616 | 43.23425 | 9.69387 | 32.51613 |
| 9/19/2025 | 11:00:00 AM | 33.54707 | 51.88513 | 18.33806 | 29.04194 | 36.05306 | 2.50599 | 45.83401 | 33.53969 | -0.00738 | 49.47738 | 43.22354 | 9.67647 | 32.53353 |
| 9/19/2025 | 12:00:00 PM | 33.57382 | 51.87798 | 18.30416 | 29.07584 | 36.05306 | 2.47924 | 45.86076 | 33.52515 | -0.04867 | 49.51867 | 43.20925 | 9.63543 | 32.57457 |
| 9/19/2025 | 1:00:00 PM | 33.60057 | 51.87083 | 18.27026 | 29.10974 | 36.0459 | 2.44533 | 45.89467 | 33.51425 | -0.08632 | 49.55632 | 43.19854 | 9.59797 | 32.61203 |
| 9/19/2025 | 2:00:00 PM | 33.64739 | 51.84937 | 18.20198 | 29.17802 | 36.04232 | 2.39493 | 45.94507 | 33.49971 | -0.14768 | 49.61768 | 43.17711 | 9.52972 | 32.68028 |
| 9/19/2025 | 3:00:00 PM | 33.63067 | 51.83507 | 18.2044 | 29.1756 | 36.03874 | 2.40807 | 45.93193 | 33.48154 | -0.14913 | 49.61913 | 43.1664 | 9.53573 | 32.67427 |
| 9/19/2025 | 4:00:00 PM | 33.61729 | 51.82434 | 18.20705 | 29.17295 | 36.03874 | 2.42145 | 45.91855 | 33.47427 | -0.14302 | 49.61302 | 43.16283 | 9.54554 | 32.66446 |
| 9/19/2025 | 5:00:00 PM | 33.61395 | 51.82434 | 18.21039 | 29.16961 | 36.02085 | 2.4069 | 45.9331 | 33.45974 | -0.15421 | 49.62421 | 43.15568 | 9.54173 | 32.66827 |
| 9/19/2025 | 6:00:00 PM | 33.60392 | 51.82076 | 18.21684 | 29.16316 | 36.01369 | 2.40977 | 45.93023 | 33.4561 | -0.14782 | 49.61782 | 43.15211 | 9.54819 | 32.66181 |
| 9/19/2025 | 7:00:00 PM | 33.59388 | 51.81361 | 18.21973 | 29.16027 | 36.01011 | 2.41623 | 45.92377 | 33.45974 | -0.13414 | 49.60414 | 43.1414 | 9.54752 | 32.66248 |
| 9/19/2025 | 8:00:00 PM | 33.58051 | 51.81361 | 18.2331 | 29.1469 | 35.99937 | 2.41886 | 45.92114 | 33.45974 | -0.12077 | 49.59077 | 43.13783 | 9.55732 | 32.65268 |
| 9/19/2025 | 9:00:00 PM | 33.57716 | 51.82076 | 18.2436 | 29.1364 | 35.99579 | 2.41863 | 45.92137 | 33.47064 | -0.10652 | 49.57652 | 43.15211 | 9.57495 | 32.63505 |
| 9/19/2025 | 10:00:00 PM | 33.57048 | 51.82076 | 18.25028 | 29.12972 | 35.98505 | 2.41457 | 45.92543 | 33.47427 | -0.09621 | 49.56621 | 43.15925 | 9.58877 | 32.62123 |
| 9/19/2025 | 11:00:00 PM | 33.56379 | 51.82792 | 18.26413 | 29.11587 | 35.97789 | 2.4141 | 45.9259 | 33.48154 | -0.08225 | 49.55225 | 43.15568 | 9.59189 | 32.61811 |
| 9/20/2025 | 12:00:00 AM | 33.56379 | 51.83507 | 18.27128 | 29.10872 | 35.98147 | 2.41768 | 45.92232 | 33.48881 | -0.07498 | 49.54498 | 43.16283 | 9.59904 | 32.61096 |
| 9/20/2025 | 1:00:00 AM | 33.5571 | 51.84222 | 18.28512 | 29.09488 | 35.98505 | 2.42795 | 45.91205 | 33.48881 | -0.06829 | 49.53829 | 43.15925 | 9.60215 | 32.60785 |
| 9/20/2025 | 2:00:00 AM | 33.5571 | 51.8458 | 18.2887 | 29.0913 | 35.98147 | 2.42437 | 45.91563 | 33.49608 | -0.06102 | 49.53102 | 43.16283 | 9.60573 | 32.60427 |
| 9/20/2025 | 3:00:00 AM | 33.55041 | 51.8601 | 18.30969 | 29.07031 | 35.98147 | 2.43106 | 45.90894 | 33.49608 | -0.05433 | 49.52433 | 43.16997 | 9.61956 | 32.59044 |
| 9/20/2025 | 4:00:00 AM | 33.55376 | 51.86725 | 18.31349 | 29.06651 | 35.98147 | 2.42771 | 45.91229 | 33.50698 | -0.04678 | 49.51678 | 43.17711 | 9.62335 | 32.58665 |
| 9/20/2025 | 5:00:00 AM | 33.54707 | 51.87083 | 18.32376 | 29.05624 | 35.98863 | 2.44156 | 45.89844 | 33.50335 | -0.04372 | 49.51372 | 43.17354 | 9.62647 | 32.58353 |
| 9/20/2025 | 6:00:00 AM | 33.53369 | 51.87798 | 18.34429 | 29.03571 | 35.98863 | 2.45494 | 45.88506 | 33.49971 | -0.03398 | 49.50398 | 43.17711 | 9.64342 | 32.56658 |
| 9/20/2025 | 7:00:00 AM | 33.54038 | 51.88156 | 18.34118 | 29.03882 | 35.98505 | 2.44467 | 45.89533 | 33.50335 | -0.03703 | 49.50703 | 43.17711 | 9.63673 | 32.57327 |
| 9/20/2025 | 8:00:00 AM | 33.53704 | 51.89229 | 18.35525 | 29.02475 | 35.97789 | 2.44085 | 45.89915 | 33.51425 | -0.02279 | 49.49279 | 43.18782 | 9.65078 | 32.55922 |
| 9/20/2025 | 9:00:00 AM | 33.53704 | 51.89586 | 18.35882 | 29.02118 | 35.99221 | 2.45517 | 45.88483 | 33.51061 | -0.02643 | 49.49643 | 43.18068 | 9.64364 | 32.56636 |
| 9/20/2025 | 10:00:00 AM | 33.55376 | 51.89944 | 18.34568 | 29.03432 | 35.98863 | 2.43487 | 45.90513 | 33.51425 | -0.03951 | 49.50951 | 43.18425 | 9.63049 | 32.57951 |
| 9/20/2025 | 11:00:00 AM | 33.56713 | 51.90301 | 18.33588 | 29.04412 | 35.99221 | 2.42508 | 45.91492 | 33.50335 | -0.06378 | 49.53378 | 43.18068 | 9.61355 | 32.59645 |
| 9/20/2025 | 12:00:00 PM | 33.59388 | 51.90301 | 18.30913 | 29.07087 | 35.99221 | 2.39833 | 45.94167 | 33.50698 | -0.0869 | 49.5569 | 43.18068 | 9.5868 | 32.6232 |
| 9/20/2025 | 1:00:00 PM | 33.62732 | 51.89944 | 18.27212 | 29.10788 | 35.98863 | 2.36131 | 45.97869 | 33.49244 | -0.13488 | 49.60488 | 43.15925 | 9.53193 | 32.67807 |
| 9/20/2025 | 2:00:00 PM | 33.67414 | 51.88513 | 18.21099 | 29.16901 | 35.98863 | 2.31449 | 46.02551 | 33.48881 | -0.18533 | 49.65533 | 43.15568 | 9.48154 | 32.72846 |
| 9/20/2025 | 3:00:00 PM | 33.65073 | 51.86725 | 18.21652 | 29.16348 | 35.98863 | 2.3379 | 46.0021 | 33.47064 | -0.18009 | 49.65009 | 43.13783 | 9.4871 | 32.7229 |
| 9/20/2025 | 4:00:00 PM | 33.62732 | 51.83507 | 18.20775 | 29.17225 | 35.98147 | 2.35415 | 45.98585 | 33.45247 | -0.17485 | 49.64485 | 43.12354 | 9.49622 | 32.71378 |
| 9/20/2025 | 5:00:00 PM | 33.60726 | 51.81004 | 18.20278 | 29.17722 | 35.97789 | 2.37063 | 45.96937 | 33.43793 | -0.16933 | 49.63933 | 43.09854 | 9.49128 | 32.71872 |
| 9/20/2025 | 6:00:00 PM | 33.59054 | 51.78858 | 18.19804 | 29.18196 | 35.97073 | 2.38019 | 45.95981 | 33.41613 | -0.17441 | 49.64441 | 43.08783 | 9.49729 | 32.71271 |
| 9/20/2025 | 7:00:00 PM | 33.57716 | 51.7707 | 18.19354 | 29.18646 | 35.95999 | 2.38283 | 45.95717 | 33.40886 | -0.1683 | 49.6383 | 43.07711 | 9.49995 | 32.71005 |
| 9/20/2025 | 8:00:00 PM | 33.56713 | 51.77428 | 18.20715 | 29.17285 | 35.94926 | 2.38213 | 45.95787 | 33.39796 | -0.16917 | 49.63917 | 43.08069 | 9.51356 | 32.69644 |
| 9/20/2025 | 9:00:00 PM | 33.5571 | 51.78143 | 18.22433 | 29.15567 | 35.9421 | 2.385 | 45.955 | 33.40886 | -0.14824 | 49.61824 | 43.09854 | 9.54144 | 32.66856 |
| 9/20/2025 | 10:00:00 PM | 33.54707 | 51.77785 | 18.23078 | 29.14922 | 35.93494 | 2.38787 | 45.95213 | 33.40886 | -0.13821 | 49.60821 | 43.0914 | 9.54433 | 32.66567 |
| 9/20/2025 | 11:00:00 PM | 33.55041 | 51.78143 | 18.23102 | 29.14898 | 35.93136 | 2.38095 | 45.95905 | 33.41249 | -0.13792 | 49.60792 | 43.09854 | 9.54813 | 32.66187 |
| 9/21/2025 | 12:00:00 AM | 33.54372 | 51.78858 | 18.24486 | 29.13514 | 35.93136 | 2.38764 | 45.95236 | 33.40886 | -0.13486 | 49.60486 | 43.08069 | 9.53697 | 32.67303 |
| 9/21/2025 | 1:00:00 AM | 33.54038 | 51.78143 | 18.24105 | 29.13895 | 35.92062 | 2.38024 | 45.95976 | 33.39796 | -0.14242 | 49.61242 | 43.07354 | 9.53316 | 32.67684 |
| 9/21/2025 | 2:00:00 AM | 33.54038 | 51.78858 | 18.2482 | 29.1318 | 35.9242 | 2.38382 | 45.95618 | 33.40522 | -0.13516 | 49.60516 | 43.0664 | 9.52602 | 32.68398 |
| 9/21/2025 | 3:00:00 AM | 33.54038 | 51.79573 | 18.25535 | 29.12465 | 35.91346 | 2.37308 | 45.96692 | 33.40159 | -0.13879 | 49.60879 | 43.07354 | 9.53316 | 32.67684 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/21/2025 | 4:00:00 AM | 33.53369 | 51.80646 | 18.27277 | 29.10723 | 35.91346 | 2.37977 | 45.96023 | 33.39432 | -0.13937 | 49.60937 | 43.06283 | 9.52914 | 32.68086 |
| 9/21/2025 | 5:00:00 AM | 33.53369 | 51.80646 | 18.27277 | 29.10723 | 35.9063 | 2.37261 | 45.96739 | 33.39432 | -0.13937 | 49.60937 | 43.05569 | 9.522 | 32.688 |
| 9/21/2025 | 6:00:00 AM | 33.5872 | 51.82792 | 18.24072 | 29.13928 | 35.90272 | 2.31552 | 46.02448 | 33.37979 | -0.20741 | 49.67741 | 43.05926 | 9.47206 | 32.73794 |
| 9/21/2025 | 7:00:00 AM | 33.60726 | 51.86725 | 18.25999 | 29.12001 | 35.9063 | 2.29904 | 46.04096 | 33.38342 | -0.22384 | 49.69384 | 43.07354 | 9.46628 | 32.74372 |
| 9/21/2025 | 8:00:00 AM | 33.63736 | 51.92089 | 18.28353 | 29.09647 | 35.89914 | 2.26178 | 46.07822 | 33.40886 | -0.2285 | 49.6985 | 43.10211 | 9.46475 | 32.74525 |
| 9/21/2025 | 9:00:00 AM | 33.67414 | 51.96023 | 18.28609 | 29.09391 | 35.90272 | 2.22858 | 46.11142 | 33.42703 | -0.24711 | 49.71711 | 43.12354 | 9.4494 | 32.7606 |
| 9/21/2025 | 10:00:00 AM | 33.70758 | 52.0246 | 18.31702 | 29.06298 | 35.89556 | 2.18798 | 46.15202 | 33.45247 | -0.25511 | 49.72511 | 43.15568 | 9.4481 | 32.7619 |
| 9/21/2025 | 11:00:00 AM | 33.7243 | 52.04963 | 18.32533 | 29.05467 | 35.9063 | 2.182 | 46.158 | 33.47064 | -0.25366 | 49.72366 | 43.15925 | 9.43495 | 32.77505 |
| 9/21/2025 | 12:00:00 PM | 33.74436 | 52.09612 | 18.35176 | 29.02824 | 35.90988 | 2.16552 | 46.17448 | 33.49244 | -0.25192 | 49.72192 | 43.18068 | 9.43632 | 32.77368 |
| 9/21/2025 | 1:00:00 PM | 33.73099 | 52.05321 | 18.32222 | 29.05778 | 35.91346 | 2.18247 | 46.15753 | 33.51788 | -0.21311 | 49.68311 | 43.19854 | 9.46755 | 32.74245 |
| 9/21/2025 | 2:00:00 PM | 33.76443 | 52.07467 | 18.31024 | 29.06976 | 35.93136 | 2.16693 | 46.17307 | 33.53242 | -0.23201 | 49.70201 | 43.19854 | 9.43411 | 32.77589 |
| 9/21/2025 | 3:00:00 PM | 33.78784 | 52.12831 | 18.34047 | 29.03953 | 35.94568 | 2.15784 | 46.18216 | 33.55422 | -0.23362 | 49.70362 | 43.21997 | 9.43213 | 32.77787 |
| 9/21/2025 | 4:00:00 PM | 33.77446 | 52.10685 | 18.33239 | 29.04761 | 35.94926 | 2.1748 | 46.1652 | 33.55422 | -0.22024 | 49.69024 | 43.22354 | 9.44908 | 32.76092 |
| 9/21/2025 | 5:00:00 PM | 33.77446 | 52.11758 | 18.34312 | 29.03688 | 35.95641 | 2.18195 | 46.15805 | 33.56149 | -0.21297 | 49.68297 | 43.23068 | 9.45622 | 32.75378 |
| 9/21/2025 | 6:00:00 PM | 33.7778 | 52.14261 | 18.36481 | 29.01519 | 35.97073 | 2.19293 | 46.14707 | 33.5833 | -0.1945 | 49.6645 | 43.24854 | 9.47074 | 32.73926 |
| 9/21/2025 | 7:00:00 PM | 33.78115 | 52.16049 | 18.37934 | 29.00066 | 35.98147 | 2.20032 | 46.13968 | 33.60147 | -0.17968 | 49.64968 | 43.27354 | 9.49239 | 32.71761 |
| 9/21/2025 | 8:00:00 PM | 33.77112 | 52.16764 | 18.39652 | 28.98348 | 35.99579 | 2.22467 | 46.11533 | 33.61601 | -0.15511 | 49.62511 | 43.28425 | 9.51313 | 32.69687 |
| 9/21/2025 | 9:00:00 PM | 33.77446 | 52.19625 | 18.42179 | 28.95821 | 36.00653 | 2.23207 | 46.10793 | 33.63418 | -0.14028 | 49.61028 | 43.30568 | 9.53122 | 32.67878 |
| 9/21/2025 | 10:00:00 PM | 33.77112 | 52.20698 | 18.43586 | 28.94414 | 36.01727 | 2.24615 | 46.09385 | 33.64508 | -0.12604 | 49.59604 | 43.31282 | 9.5417 | 32.6683 |
| 9/21/2025 | 11:00:00 PM | 33.76777 | 52.22844 | 18.46067 | 28.91933 | 36.03159 | 2.26382 | 46.07618 | 33.66688 | -0.10089 | 49.57089 | 43.33068 | 9.56291 | 32.64709 |
| 9/22/2025 | 12:00:00 AM | 33.77112 | 52.24274 | 18.47162 | 28.90838 | 36.0459 | 2.27478 | 46.06522 | 33.68505 | -0.08607 | 49.55607 | 43.34139 | 9.57027 | 32.63973 |
| 9/22/2025 | 1:00:00 AM | 33.75774 | 52.25347 | 18.49573 | 28.88427 | 36.06022 | 2.30248 | 46.03752 | 33.69232 | -0.06542 | 49.53542 | 43.35925 | 9.60151 | 32.60849 |
| 9/22/2025 | 2:00:00 AM | 33.76443 | 52.26777 | 18.50334 | 28.87666 | 36.07096 | 2.30653 | 46.03347 | 33.71049 | -0.05394 | 49.52394 | 43.37353 | 9.6091 | 32.6009 |
| 9/22/2025 | 3:00:00 AM | 33.76443 | 52.2642 | 18.49977 | 28.88023 | 36.08886 | 2.32443 | 46.01557 | 33.71049 | -0.05394 | 49.52394 | 43.36996 | 9.60553 | 32.60447 |
| 9/22/2025 | 4:00:00 AM | 33.7544 | 52.27135 | 18.51695 | 28.86305 | 36.10318 | 2.34878 | 45.99122 | 33.71776 | -0.03664 | 49.50664 | 43.38068 | 9.62628 | 32.58372 |
| 9/22/2025 | 5:00:00 AM | 33.74771 | 52.2785 | 18.53079 | 28.84921 | 36.10676 | 2.35905 | 45.98095 | 33.72503 | -0.02268 | 49.49268 | 43.38425 | 9.63654 | 32.57346 |
| 9/22/2025 | 6:00:00 AM | 33.75105 | 52.29281 | 18.54176 | 28.83824 | 36.11391 | 2.36286 | 45.97714 | 33.72866 | -0.02239 | 49.49239 | 43.39853 | 9.64748 | 32.56252 |
| 9/22/2025 | 7:00:00 AM | 33.7544 | 52.30353 | 18.54913 | 28.83087 | 36.12465 | 2.37025 | 45.96975 | 33.73957 | -0.01483 | 49.48483 | 43.41639 | 9.66199 | 32.54801 |
| 9/22/2025 | 8:00:00 AM | 33.7544 | 52.31069 | 18.55629 | 28.82371 | 36.14255 | 2.38815 | 45.95185 | 33.75047 | -0.00393 | 49.47393 | 43.41639 | 9.66199 | 32.54801 |
| 9/22/2025 | 9:00:00 AM | 33.76777 | 52.33214 | 18.56437 | 28.81563 | 36.14613 | 2.37836 | 45.96164 | 33.75774 | -0.01003 | 49.48003 | 43.43067 | 9.6629 | 32.5471 |
| 9/22/2025 | 10:00:00 AM | 33.77446 | 52.32499 | 18.55053 | 28.82947 | 36.15687 | 2.38241 | 45.95759 | 33.76864 | -0.00582 | 49.47582 | 43.4271 | 9.65264 | 32.55736 |
| 9/22/2025 | 11:00:00 AM | 33.78115 | 52.31784 | 18.53669 | 28.84331 | 36.17835 | 2.3972 | 45.9428 | 33.77227 | -0.00888 | 49.47888 | 43.42353 | 9.64238 | 32.56762 |
| 9/22/2025 | 12:00:00 PM | 33.80456 | 52.31784 | 18.51328 | 28.86672 | 36.17477 | 2.37021 | 45.96979 | 33.76137 | -0.04319 | 49.51319 | 43.41639 | 9.61183 | 32.59817 |
| 9/22/2025 | 1:00:00 PM | 33.83131 | 52.30353 | 18.47222 | 28.90778 | 36.18551 | 2.3542 | 45.9858 | 33.7432 | -0.08811 | 49.55811 | 43.40925 | 9.57794 | 32.63206 |
| 9/22/2025 | 2:00:00 PM | 33.88816 | 52.27493 | 18.38677 | 28.99323 | 36.18551 | 2.29735 | 46.04265 | 33.7323 | -0.15586 | 49.62586 | 43.39496 | 9.5068 | 32.7032 |
| 9/22/2025 | 3:00:00 PM | 33.84803 | 52.24274 | 18.39471 | 28.98529 | 36.18908 | 2.34105 | 45.99895 | 33.70686 | -0.14117 | 49.61117 | 43.37353 | 9.5255 | 32.6845 |
| 9/22/2025 | 4:00:00 PM | 33.84134 | 52.22486 | 18.38352 | 28.99648 | 36.18193 | 2.34059 | 45.99941 | 33.69232 | -0.14902 | 49.61902 | 43.3771 | 9.53576 | 32.67424 |
| 9/22/2025 | 5:00:00 PM | 33.79787 | 52.16049 | 18.36262 | 29.01738 | 36.18908 | 2.39121 | 45.94879 | 33.68505 | -0.11282 | 49.58282 | 43.35568 | 9.55781 | 32.65219 |
| 9/22/2025 | 6:00:00 PM | 33.77112 | 52.0997 | 18.32858 | 29.05142 | 36.18193 | 2.41081 | 45.92919 | 33.67779 | -0.09333 | 49.56333 | 43.3521 | 9.58098 | 32.62902 |
| 9/22/2025 | 7:00:00 PM | 33.7544 | 52.08897 | 18.33457 | 29.04543 | 36.17477 | 2.42037 | 45.91963 | 33.66325 | -0.09115 | 49.56115 | 43.33782 | 9.58342 | 32.62658 |
| 9/22/2025 | 8:00:00 PM | 33.74102 | 52.08539 | 18.34437 | 29.03563 | 36.17119 | 2.43017 | 45.90983 | 33.65598 | -0.08504 | 49.55504 | 43.33782 | 9.5968 | 32.6132 |
| 9/22/2025 | 9:00:00 PM | 33.73768 | 52.10685 | 18.36917 | 29.01083 | 36.16761 | 2.42993 | 45.91007 | 33.66688 | -0.0708 | 49.5408 | 43.34496 | 9.60728 | 32.60272 |
| 9/22/2025 | 10:00:00 PM | 33.73768 | 52.11043 | 18.37275 | 29.00725 | 36.17119 | 2.43351 | 45.90649 | 33.67779 | -0.05989 | 49.52989 | 43.3521 | 9.61442 | 32.59558 |
| 9/22/2025 | 11:00:00 PM | 33.72764 | 52.11043 | 18.38279 | 28.99721 | 36.16045 | 2.43281 | 45.90719 | 33.67779 | -0.04985 | 49.51985 | 43.34139 | 9.61375 | 32.59625 |
| 9/23/2025 | 12:00:00 AM | 33.72096 | 52.12115 | 18.40019 | 28.97981 | 36.16045 | 2.43949 | 45.90051 | 33.68142 | -0.03954 | 49.50954 | 43.34496 | 9.624 | 32.586 |
| 9/23/2025 | 1:00:00 AM | 33.71092 | 52.12115 | 18.41023 | 28.96977 | 36.15687 | 2.44595 | 45.89405 | 33.67052 | -0.0404 | 49.5104 | 43.33425 | 9.62333 | 32.58667 |
| 9/23/2025 | 2:00:00 AM | 33.70424 | 52.12473 | 18.42049 | 28.95951 | 36.16045 | 2.45621 | 45.88379 | 33.67779 | -0.02645 | 49.49645 | 43.33425 | 9.63001 | 32.57999 |
| 9/23/2025 | 3:00:00 AM | 33.70089 | 52.11758 | 18.41669 | 28.96331 | 36.15687 | 2.45598 | 45.88402 | 33.67052 | -0.03037 | 49.50037 | 43.33425 | 9.63336 | 32.57664 |
| 9/23/2025 | 4:00:00 AM | 33.70089 | 52.12473 | 18.42384 | 28.95616 | 36.15329 | 2.4524 | 45.8876 | 33.66688 | -0.03401 | 49.50401 | 43.33782 | 9.63693 | 32.57307 |
| 9/23/2025 | 5:00:00 AM | 33.69086 | 52.11758 | 18.42672 | 28.95328 | 36.14971 | 2.45885 | 45.88115 | 33.65962 | -0.03124 | 49.50124 | 43.31996 | 9.6291 | 32.5809 |
| 9/23/2025 | 6:00:00 AM | 33.68752 | 52.11758 | 18.43006 | 28.94994 | 36.15329 | 2.46577 | 45.87423 | 33.65598 | -0.03154 | 49.50154 | 43.31639 | 9.62887 | 32.58113 |
| 9/23/2025 | 7:00:00 AM | 33.6942 | 52.12831 | 18.43411 | 28.94589 | 36.14971 | 2.45551 | 45.88449 | 33.65962 | -0.03458 | 49.50458 | 43.32711 | 9.63291 | 32.57709 |
| 9/23/2025 | 8:00:00 AM | 33.68417 | 52.14261 | 18.45844 | 28.92156 | 36.14971 | 2.46554 | 45.87446 | 33.65962 | -0.02455 | 49.49455 | 43.33782 | 9.65365 | 32.55635 |
| 9/23/2025 | 9:00:00 AM | 33.6942 | 52.12831 | 18.43411 | 28.94589 | 36.14613 | 2.45193 | 45.88807 | 33.65235 | -0.04185 | 49.51185 | 43.32353 | 9.62933 | 32.58067 |
| 9/23/2025 | 10:00:00 AM | 33.69755 | 52.13188 | 18.43433 | 28.94567 | 36.14971 | 2.45216 | 45.88784 | 33.65235 | -0.0452 | 49.5152 | 43.31639 | 9.61884 | 32.59116 |
| 9/23/2025 | 11:00:00 AM | 33.70089 | 52.13188 | 18.43099 | 28.94901 | 36.14613 | 2.44524 | 45.89476 | 33.64871 | -0.05218 | 49.52218 | 43.30925 | 9.60836 | 32.60164 |
| 9/23/2025 | 12:00:00 PM | 33.72764 | 52.11758 | 18.38994 | 28.99006 | 36.13897 | 2.41133 | 45.92867 | 33.63418 | -0.09346 | 49.56346 | 43.30211 | 9.57447 | 32.63553 |
| 9/23/2025 | 1:00:00 PM | 33.74102 | 52.09612 | 18.3551 | 29.0249 | 36.13897 | 2.39795 | 45.94205 | 33.62691 | -0.11411 | 49.58411 | 43.28425 | 9.54323 | 32.66677 |
| 9/23/2025 | 2:00:00 PM | 33.7778 | 52.07824 | 18.30044 | 29.07956 | 36.13539 | 2.35759 | 45.98241 | 33.61601 | -0.16179 | 49.63179 | 43.27354 | 9.49574 | 32.71426 |
| 9/23/2025 | 3:00:00 PM | 33.77446 | 52.07467 | 18.30021 | 29.07979 | 36.12823 | 2.35377 | 45.98623 | 33.60874 | -0.16572 | 49.63572 | 43.26639 | 9.49193 | 32.71807 |
| 9/23/2025 | 4:00:00 PM | 33.76443 | 52.05321 | 18.28878 | 29.09122 | 36.12465 | 2.36022 | 45.97978 | 33.5942 | -0.17023 | 49.64023 | 43.25211 | 9.48768 | 32.72232 |
| 9/23/2025 | 5:00:00 PM | 33.7544 | 52.03533 | 18.28093 | 29.09907 | 36.11749 | 2.36309 | 45.97691 | 33.5833 | -0.1711 | 49.6411 | 43.24139 | 9.48699 | 32.72301 |
| 9/23/2025 | 6:00:00 PM | 33.7544 | 52.03175 | 18.27735 | 29.10265 | 36.11033 | 2.35593 | 45.98407 | 33.57603 | -0.17837 | 49.64837 | 43.23425 | 9.47985 | 32.73015 |
| 9/23/2025 | 7:00:00 PM | 33.74102 | 52.03533 | 18.29431 | 29.08569 | 36.10318 | 2.36216 | 45.97784 | 33.57966 | -0.16136 | 49.63136 | 43.24497 | 9.50395 | 32.70605 |
| 9/23/2025 | 8:00:00 PM | 33.73433 | 52.0389 | 18.30457 | 29.07543 | 36.10318 | 2.36885 | 45.97115 | 33.5833 | -0.15103 | 49.62103 | 43.24854 | 9.51421 | 32.69579 |
| 9/23/2025 | 9:00:00 PM | 33.7243 | 52.0389 | 18.3146 | 29.0654 | 36.0996 | 2.3753 | 45.9647 | 33.5942 | -0.1301 | 49.6001 | 43.25211 | 9.52781 | 32.68219 |
| 9/23/2025 | 10:00:00 PM | 33.71427 | 52.04963 | 18.33536 | 29.04464 | 36.08886 | 2.37459 | 45.96541 | 33.5942 | -0.12007 | 49.59007 | 43.24497 | 9.5307 | 32.6793 |
| 9/23/2025 | 11:00:00 PM | 33.71092 | 52.05321 | 18.34229 | 29.03771 | 36.08886 | 2.37794 | 45.96206 | 33.5942 | -0.11672 | 49.58672 | 43.25211 | 9.54119 | 32.66881 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/24/2025 | 12:00:00 AM | 33.71092 | 52.07824 | 18.36732 | 29.01268 | 36.0817 | 2.37078 | 45.96922 | 33.60147 | -0.10945 | 49.57945 | 43.25211 | 9.54119 | 32.66881 |
| 9/24/2025 | 1:00:00 AM | 33.71761 | 52.09255 | 18.37494 | 29.00506 | 36.08528 | 2.36767 | 45.97233 | 33.60874 | -0.10887 | 49.57887 | 43.26639 | 9.54878 | 32.66122 |
| 9/24/2025 | 2:00:00 AM | 33.71092 | 52.10327 | 18.39235 | 28.98765 | 36.0817 | 2.37078 | 45.96922 | 33.61601 | -0.09491 | 49.56491 | 43.26996 | 9.55904 | 32.65096 |
| 9/24/2025 | 3:00:00 AM | 33.71427 | 52.12115 | 18.40688 | 28.97312 | 36.0817 | 2.36743 | 45.97257 | 33.63054 | -0.08373 | 49.55373 | 43.26996 | 9.55569 | 32.65431 |
| 9/24/2025 | 4:00:00 AM | 33.69755 | 52.10327 | 18.40572 | 28.97428 | 36.08528 | 2.38773 | 45.95227 | 33.63418 | -0.06337 | 49.53337 | 43.27711 | 9.57956 | 32.63044 |
| 9/24/2025 | 5:00:00 AM | 33.69086 | 52.0997 | 18.40884 | 28.97116 | 36.09244 | 2.40158 | 45.93842 | 33.62691 | -0.06395 | 49.53395 | 43.27354 | 9.58268 | 32.62732 |
| 9/24/2025 | 6:00:00 AM | 33.69086 | 52.114 | 18.42314 | 28.95686 | 36.09244 | 2.40158 | 45.93842 | 33.63418 | -0.05668 | 49.52668 | 43.27354 | 9.58268 | 32.62732 |
| 9/24/2025 | 7:00:00 AM | 33.68417 | 52.12115 | 18.43698 | 28.94302 | 36.09244 | 2.40827 | 45.93173 | 33.63054 | -0.05363 | 49.52363 | 43.27354 | 9.58937 | 32.62063 |
| 9/24/2025 | 8:00:00 AM | 33.69086 | 52.12831 | 18.43745 | 28.94255 | 36.09244 | 2.40158 | 45.93842 | 33.64508 | -0.04578 | 49.51578 | 43.29139 | 9.60053 | 32.60947 |
| 9/24/2025 | 9:00:00 AM | 33.69086 | 52.13546 | 18.4446 | 28.9354 | 36.08886 | 2.398 | 45.942 | 33.64144 | -0.04942 | 49.51942 | 43.28068 | 9.58982 | 32.62018 |
| 9/24/2025 | 10:00:00 AM | 33.70424 | 52.13903 | 18.43479 | 28.94521 | 36.09244 | 2.3882 | 45.9518 | 33.65235 | -0.05189 | 49.52189 | 43.29854 | 9.5943 | 32.6157 |
| 9/24/2025 | 11:00:00 AM | 33.71427 | 52.15691 | 18.44264 | 28.93736 | 36.09602 | 2.38175 | 45.95825 | 33.65962 | -0.05465 | 49.52465 | 43.30211 | 9.58784 | 32.62216 |
| 9/24/2025 | 12:00:00 PM | 33.75105 | 52.15334 | 18.40229 | 28.97771 | 36.10676 | 2.35571 | 45.98429 | 33.65598 | -0.09507 | 49.56507 | 43.29496 | 9.54391 | 32.66609 |
| 9/24/2025 | 1:00:00 PM | 33.77446 | 52.14976 | 18.3753 | 29.0047 | 36.10318 | 2.32872 | 46.01128 | 33.64871 | -0.12575 | 49.59575 | 43.28782 | 9.51336 | 32.69664 |
| 9/24/2025 | 2:00:00 PM | 33.81124 | 52.12831 | 18.31707 | 29.06293 | 36.10318 | 2.29194 | 46.04806 | 33.63418 | -0.17706 | 49.64706 | 43.26639 | 9.45515 | 32.75485 |
| 9/24/2025 | 3:00:00 PM | 33.79118 | 52.114 | 18.32282 | 29.05718 | 36.10318 | 2.312 | 46.028 | 33.62327 | -0.16791 | 49.63791 | 43.25568 | 9.4645 | 32.7455 |
| 9/24/2025 | 4:00:00 PM | 33.78449 | 52.0997 | 18.31521 | 29.06479 | 36.10676 | 2.32227 | 46.01773 | 33.60874 | -0.17575 | 49.64575 | 43.25211 | 9.46762 | 32.74238 |
| 9/24/2025 | 5:00:00 PM | 33.78115 | 52.0997 | 18.31855 | 29.06145 | 36.08886 | 2.30771 | 46.03229 | 33.60874 | -0.17241 | 49.64241 | 43.24854 | 9.46739 | 32.74261 |
| 9/24/2025 | 6:00:00 PM | 33.77446 | 52.09255 | 18.31809 | 29.06191 | 36.0996 | 2.32514 | 46.01486 | 33.61237 | -0.16209 | 49.63209 | 43.25211 | 9.47765 | 32.73235 |
| 9/24/2025 | 7:00:00 PM | 33.75774 | 52.08897 | 18.33123 | 29.04877 | 36.09244 | 2.3347 | 46.0053 | 33.6051 | -0.15264 | 49.62264 | 43.24854 | 9.4908 | 32.7192 |
| 9/24/2025 | 8:00:00 PM | 33.74102 | 52.08539 | 18.34437 | 29.03563 | 36.08528 | 2.34426 | 45.99574 | 33.6051 | -0.13592 | 49.60592 | 43.24497 | 9.50395 | 32.70605 |
| 9/24/2025 | 9:00:00 PM | 33.73099 | 52.09255 | 18.36156 | 29.01844 | 36.08886 | 2.35787 | 45.98213 | 33.60874 | -0.12225 | 49.59225 | 43.25925 | 9.52826 | 32.68174 |
| 9/24/2025 | 10:00:00 PM | 33.72096 | 52.09255 | 18.37159 | 29.00841 | 36.08528 | 2.36432 | 45.97568 | 33.61601 | -0.10495 | 49.57495 | 43.25925 | 9.53829 | 32.67171 |
| 9/24/2025 | 11:00:00 PM | 33.70758 | 52.07109 | 18.36351 | 29.01649 | 36.08886 | 2.38128 | 45.95872 | 33.61601 | -0.09157 | 49.56157 | 43.25211 | 9.54453 | 32.66547 |
| 9/25/2025 | 12:00:00 AM | 33.70424 | 52.07467 | 18.37043 | 29.00957 | 36.08886 | 2.38462 | 45.95538 | 33.61601 | -0.08823 | 49.55823 | 43.25568 | 9.55144 | 32.65856 |
| 9/25/2025 | 1:00:00 AM | 33.69086 | 52.09612 | 18.40526 | 28.97474 | 36.0817 | 2.39084 | 45.94916 | 33.62327 | -0.06759 | 49.53759 | 43.26282 | 9.57196 | 32.63804 |
| 9/25/2025 | 2:00:00 AM | 33.6942 | 52.0997 | 18.4055 | 28.9745 | 36.07812 | 2.38392 | 45.95608 | 33.63054 | -0.06366 | 49.53366 | 43.26639 | 9.57219 | 32.63781 |
| 9/25/2025 | 3:00:00 AM | 33.67748 | 52.10327 | 18.42579 | 28.95421 | 36.08886 | 2.41138 | 45.92862 | 33.63418 | -0.0433 | 49.5133 | 43.26282 | 9.58534 | 32.62466 |
| 9/25/2025 | 4:00:00 AM | 33.68083 | 52.11043 | 18.4296 | 28.9504 | 36.0817 | 2.40087 | 45.93913 | 33.63781 | -0.04302 | 49.51302 | 43.26282 | 9.58199 | 32.62801 |
| 9/25/2025 | 5:00:00 AM | 33.68083 | 52.12831 | 18.44748 | 28.93252 | 36.08528 | 2.40445 | 45.93555 | 33.64144 | -0.03939 | 49.50939 | 43.27354 | 9.59271 | 32.61729 |
| 9/25/2025 | 6:00:00 AM | 33.68417 | 52.14261 | 18.45844 | 28.92156 | 36.08886 | 2.40469 | 45.93531 | 33.65962 | -0.02455 | 49.49455 | 43.29496 | 9.61079 | 32.59921 |
| 9/25/2025 | 7:00:00 AM | 33.69755 | 52.15691 | 18.45936 | 28.92064 | 36.09244 | 2.39489 | 45.94511 | 33.66325 | -0.0343 | 49.5043 | 43.29496 | 9.59741 | 32.61259 |
| 9/25/2025 | 8:00:00 AM | 33.6942 | 52.17837 | 18.48417 | 28.89583 | 36.09602 | 2.40182 | 45.93818 | 33.67779 | -0.01641 | 49.48641 | 43.30211 | 9.60791 | 32.60209 |
| 9/25/2025 | 9:00:00 AM | 33.70758 | 52.1891 | 18.48152 | 28.89848 | 36.10318 | 2.3956 | 45.9444 | 33.68505 | -0.02253 | 49.49253 | | | |
| 9/25/2025 | 10:00:00 AM | 33.7243 | 52.21771 | 18.49341 | 28.88659 | 36.10318 | 2.37888 | 45.96112 | 33.70323 | -0.02107 | 49.49107 | | | |
| 9/25/2025 | 11:00:00 AM | 33.73768 | 52.22128 | 18.4836 | 28.8964 | 33.82301 | 0.08533 | 48.25467 | | | | | | |

Seasonal Groundwater Monitoring

| | |
|---|---|
| Project Name | Arlington 360 |
| Project Number | T-9011 |

| Logger Install Data | | | | | | | |
|---|---|---|---|---|---|---|---|
| B-201 | | B-202 | | B-204 | | | |
| Depth of Logger Below top of PVC | 56 | Depth of Logger Below top of PVC | 75 | Depth of Logger Below top of PVC | 78 | Depth of Logger Below top of PVC | Depth of Logger Below top of PVC |
| Depth of PVC from Grade | -3.33 | Depth of PVC from Grade | -2.71 | Depth of PVC from Grade | -3.04 | Depth of PVC from Grade | Depth of PVC from Grade |
| Depth of Logger from Grade | 52.67 | Depth of Logger from Grade | 72.29 | Depth of Logger from Grade | 74.96 | Depth of Logger from Grade 0 | Depth of Logger from Grade |

| | | | B-201 | | | B-202 | | | B-204 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Time | BaraLogger | Raw Data | Compenstated Data | Depth Below Grade | Raw Data | Compenstated Data | Depth Below Grade | Raw Data | Compenstated Data | Depth Below Grade |
| 4/11/2025 | 5:00:00 PM | 33.6964 | 67.6922 | 33.9958 | 18.6742 | 41.6273 | 7.9309 | 64.3591 | 34.273 | 0.5766 | 74.3834 |
| 4/11/2025 | 6:00:00 PM | 33.6893 | 67.326 | 33.6367 | 19.0333 | 41.552 | 7.8627 | 64.4273 | 34.2758 | 0.5865 | 74.3735 |
| 4/11/2025 | 7:00:00 PM | 33.6819 | 65.0614 | 31.3795 | 21.2905 | 41.4747 | 7.7928 | 64.4972 | 34.2797 | 0.5978 | 74.3622 |
| 4/11/2025 | 8:00:00 PM | 33.6768 | 60.7856 | 27.1088 | 25.5612 | 41.4032 | 7.7264 | 64.5636 | 34.2827 | 0.6059 | 74.3541 |
| 4/11/2025 | 9:00:00 PM | 33.6785 | 57.9386 | 24.2601 | 28.4099 | 41.3409 | 7.6624 | 64.6276 | 34.2869 | 0.6084 | 74.3516 |
| 4/11/2025 | 10:00:00 PM | 33.6902 | 55.1958 | 21.5056 | 31.1644 | 41.2884 | 7.5982 | 64.6918 | 34.2916 | 0.6014 | 74.3586 |
| 4/11/2025 | 11:00:00 PM | 33.6813 | 53.0791 | 19.3978 | 33.2722 | 41.2179 | 7.5366 | 64.7534 | 34.2904 | 0.6091 | 74.3509 |
| 4/12/2025 | 12:00:00 AM | 33.6754 | 51.2867 | 17.6113 | 35.0587 | 41.149 | 7.4736 | 64.8164 | 34.2907 | 0.6153 | 74.3447 |
| 4/12/2025 | 1:00:00 AM | 33.6753 | 49.6462 | 15.9709 | 36.6991 | 41.0878 | 7.4125 | 64.8775 | 34.2922 | 0.6169 | 74.3431 |
| 4/12/2025 | 2:00:00 AM | 33.6715 | 48.2064 | 14.5349 | 38.1351 | 41.0243 | 7.3528 | 64.9372 | 34.2945 | 0.623 | 74.337 |
| 4/12/2025 | 3:00:00 AM | 33.6657 | 46.8012 | 13.1355 | 39.5345 | 40.958 | 7.2923 | 64.9977 | 34.2941 | 0.6284 | 74.3316 |
| 4/12/2025 | 4:00:00 AM | 33.6678 | 49.8383 | 16.1705 | 36.4995 | 40.9014 | 7.2336 | 65.0564 | 34.2967 | 0.6289 | 74.3311 |
| 4/12/2025 | 5:00:00 AM | 33.6774 | 48.8272 | 15.1498 | 37.5202 | 40.8521 | 7.1747 | 65.1153 | 34.3012 | 0.6238 | 74.3362 |
| 4/12/2025 | 6:00:00 AM | 33.695 | 48.1156 | 14.4206 | 38.2494 | 40.8123 | 7.1173 | 65.1727 | 34.3081 | 0.6131 | 74.3469 |
| 4/12/2025 | 7:00:00 AM | 33.7087 | 47.5167 | 13.808 | 38.862 | 40.7692 | 7.0605 | 65.2295 | 34.3125 | 0.6038 | 74.3562 |
| 4/12/2025 | 8:00:00 AM | 33.7294 | 47.0175 | 13.2881 | 39.3819 | 40.7338 | 7.0044 | 65.2856 | 34.3183 | 0.5889 | 74.3711 |
| 4/12/2025 | 9:00:00 AM | 33.7409 | 46.5731 | 12.8322 | 39.8378 | 40.6861 | 6.9452 | 65.3448 | 34.3181 | 0.5772 | 74.3828 |
| 4/12/2025 | 10:00:00 AM | 33.7551 | 46.1867 | 12.4316 | 40.2384 | 40.6455 | 6.8904 | 65.3996 | 34.3182 | 0.5631 | 74.3969 |
| 4/12/2025 | 11:00:00 AM | 33.7733 | 45.8422 | 12.0689 | 40.6011 | 40.6049 | 6.8316 | 65.4584 | 34.3033 | 0.53 | 74.43 |
| 4/12/2025 | 12:00:00 PM | 33.7776 | 45.5245 | 11.7469 | 40.9231 | 40.5566 | 6.779 | 65.511 | 34.2959 | 0.5183 | 74.4417 |
| 4/12/2025 | 1:00:00 PM | 33.7842 | 45.2364 | 11.4522 | 41.2178 | 40.5054 | 6.7212 | 65.5688 | 34.2835 | 0.4993 | 74.4607 |
| 4/12/2025 | 2:00:00 PM | 33.7857 | 44.9762 | 11.1905 | 41.4795 | 40.452 | 6.6663 | 65.6237 | 34.2869 | 0.5012 | 74.4588 |
| 4/12/2025 | 3:00:00 PM | 33.7908 | 44.7424 | 10.9516 | 41.7184 | 40.4012 | 6.6104 | 65.6796 | 34.2908 | 0.5 | 74.46 |
| 4/12/2025 | 4:00:00 PM | 33.7953 | 44.5297 | 10.7344 | 41.9356 | 40.3528 | 6.5575 | 65.7325 | 34.2936 | 0.4983 | 74.4617 |
| 4/12/2025 | 5:00:00 PM | 33.7995 | 44.3308 | 10.5313 | 42.1387 | 40.3057 | 6.5062 | 65.7838 | 34.297 | 0.4975 | 74.4625 |
| 4/12/2025 | 6:00:00 PM | 33.8013 | 44.1535 | 10.3522 | 42.3178 | 40.2544 | 6.4531 | 65.8369 | 34.2967 | 0.4954 | 74.4646 |
| 4/12/2025 | 7:00:00 PM | 33.8181 | 44.0037 | 10.1856 | 42.4844 | 40.22 | 6.4019 | 65.8881 | 34.3053 | 0.4872 | 74.4728 |
| 4/12/2025 | 8:00:00 PM | 33.8376 | 43.8662 | 10.0286 | 42.6414 | 40.1875 | 6.3499 | 65.9401 | 34.3101 | 0.4725 | 74.4875 |
| 4/12/2025 | 9:00:00 PM | 33.8677 | 43.7507 | 9.883 | 42.787 | 40.1687 | 6.301 | 65.989 | 34.3159 | 0.4482 | 74.5118 |
| 4/12/2025 | 10:00:00 PM | 33.8751 | 43.6264 | 9.7513 | 42.9187 | 40.1281 | 6.253 | 66.037 | 34.3188 | 0.4437 | 74.5163 |
| 4/12/2025 | 11:00:00 PM | 33.876 | 43.5049 | 9.6289 | 43.0411 | 40.079 | 6.203 | 66.087 | 34.3147 | 0.4387 | 74.5213 |
| 4/13/2025 | 12:00:00 AM | 33.8887 | 43.4019 | 9.5132 | 43.1568 | 40.0447 | 6.156 | 66.134 | 34.316 | 0.4273 | 74.5327 |
| 4/13/2025 | 1:00:00 AM | 33.8968 | 43.3037 | 9.4069 | 43.2631 | 40.005 | 6.1082 | 66.1818 | 34.3175 | 0.4207 | 74.5393 |
| 4/13/2025 | 2:00:00 AM | 33.9042 | 43.2107 | 9.3065 | 43.3635 | 39.9639 | 6.0597 | 66.2303 | 34.3178 | 0.4136 | 74.5464 |
| 4/13/2025 | 3:00:00 AM | 33.9001 | 43.1141 | 9.214 | 43.456 | 39.9113 | 6.0112 | 66.2788 | 34.3153 | 0.4152 | 74.5448 |
| 4/13/2025 | 4:00:00 AM | 33.8993 | 43.0289 | 9.1296 | 43.5404 | 39.8654 | 5.9661 | 66.3239 | 34.3165 | 0.4172 | 74.5428 |
| 4/13/2025 | 5:00:00 AM | 33.8948 | 42.9459 | 9.0511 | 43.6189 | 39.8147 | 5.9199 | 66.3701 | 34.3148 | 0.42 | 74.54 |
| 4/13/2025 | 6:00:00 AM | 33.8917 | 42.8689 | 8.9772 | 43.6928 | 39.7657 | 5.874 | 66.416 | 34.3136 | 0.4219 | 74.5381 |
| 4/13/2025 | 7:00:00 AM | 33.8909 | 42.7998 | 8.9089 | 43.7611 | 39.7177 | 5.8268 | 66.4632 | 34.3121 | 0.4212 | 74.5388 |
| 4/13/2025 | 8:00:00 AM | 33.8966 | 42.7375 | 8.8409 | 43.8291 | 39.6782 | 5.7816 | 66.5084 | 34.3148 | 0.4182 | 74.5418 |
| 4/13/2025 | 9:00:00 AM | 33.891 | 42.6736 | 8.7826 | 43.8874 | 39.6267 | 5.7357 | 66.5543 | 34.3114 | 0.4204 | 74.5396 |
| 4/13/2025 | 10:00:00 AM | 33.8845 | 42.6109 | 8.7264 | 43.9436 | 39.5764 | 5.6919 | 66.5981 | 34.3068 | 0.4223 | 74.5377 |
| 4/13/2025 | 11:00:00 AM | 33.8841 | 42.5554 | 8.6713 | 43.9987 | 39.5297 | 5.6456 | 66.6444 | 34.3062 | 0.4221 | 74.5379 |
| 4/13/2025 | 12:00:00 PM | 33.8758 | 42.4996 | 8.6238 | 44.0462 | 39.4763 | 5.6005 | 66.6895 | 34.3005 | 0.4247 | 74.5353 |
| 4/13/2025 | 1:00:00 PM | 33.8635 | 42.4396 | 8.5761 | 44.0939 | 39.4182 | 5.5547 | 66.7353 | 34.2891 | 0.4256 | 74.5344 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/13/2025 | 2:00:00 PM | 33.853 | 42.3866 | 8.5336 | 44.1364 | 39.3607 | 5.5077 | 66.7823 | 34.291 | 0.438 | 74.522 |
| 4/13/2025 | 3:00:00 PM | 33.8427 | 42.3392 | 8.4965 | 44.1735 | 39.3062 | 5.4635 | 66.8265 | 34.2954 | 0.4527 | 74.5073 |
| 4/13/2025 | 4:00:00 PM | 33.8274 | 42.2887 | 8.4613 | 44.2087 | 39.247 | 5.4196 | 66.8704 | 34.2964 | 0.469 | 74.491 |
| 4/13/2025 | 5:00:00 PM | 33.8143 | 42.2439 | 8.4296 | 44.2404 | 39.1907 | 5.3764 | 66.9136 | 34.2974 | 0.4831 | 74.4769 |
| 4/13/2025 | 6:00:00 PM | 33.7968 | 42.1987 | 8.4019 | 44.2681 | 39.1367 | 5.3399 | 66.9501 | 34.2975 | 0.5007 | 74.4593 |
| 4/13/2025 | 7:00:00 PM | 33.7858 | 42.1628 | 8.377 | 44.293 | 39.0925 | 5.3067 | 66.9833 | 34.2998 | 0.514 | 74.446 |
| 4/13/2025 | 8:00:00 PM | 33.7815 | 42.1176 | 8.3361 | 44.3339 | 39.0471 | 5.2656 | 67.0244 | 34.3027 | 0.5212 | 74.4388 |
| 4/13/2025 | 9:00:00 PM | 33.778 | 42.0896 | 8.3116 | 44.3584 | 39.0025 | 5.2245 | 67.0655 | 34.3059 | 0.5279 | 74.4321 |
| 4/13/2025 | 10:00:00 PM | 33.7774 | 42.0664 | 8.289 | 44.381 | 38.9585 | 5.1811 | 67.1089 | 34.3079 | 0.5305 | 74.4295 |
| 4/13/2025 | 11:00:00 PM | 33.7709 | 42.0386 | 8.2677 | 44.4023 | 38.9156 | 5.1447 | 67.1453 | 34.3056 | 0.5347 | 74.4253 |
| 4/14/2025 | 12:00:00 AM | 33.7532 | 42.0037 | 8.2505 | 44.4195 | 38.8633 | 5.1101 | 67.1799 | 34.3052 | 0.552 | 74.408 |
| 4/14/2025 | 1:00:00 AM | 33.7407 | 41.9748 | 8.2341 | 44.4359 | 38.8178 | 5.0771 | 67.2129 | 34.3036 | 0.5629 | 74.3971 |
| 4/14/2025 | 2:00:00 AM | 33.7344 | 41.9536 | 8.2192 | 44.4508 | 38.7729 | 5.0385 | 67.2515 | 34.3041 | 0.5697 | 74.3903 |
| 4/14/2025 | 3:00:00 AM | 33.7088 | 41.9171 | 8.2083 | 44.4617 | 38.7166 | 5.0078 | 67.2822 | 34.2999 | 0.5911 | 74.3689 |
| 4/14/2025 | 4:00:00 AM | 33.6991 | 41.8946 | 8.1955 | 44.4745 | 38.6699 | 4.9708 | 67.3192 | 34.3003 | 0.6012 | 74.3588 |
| 4/14/2025 | 5:00:00 AM | 33.6814 | 41.8686 | 8.1872 | 44.4828 | 38.6176 | 4.9362 | 67.3538 | 34.2997 | 0.6183 | 74.3417 |
| 4/14/2025 | 6:00:00 AM | 33.6663 | 41.8455 | 8.1792 | 44.4908 | 38.5674 | 4.9011 | 67.3889 | 34.2991 | 0.6328 | 74.3272 |
| 4/14/2025 | 7:00:00 AM | 33.6536 | 41.8233 | 8.1697 | 44.5003 | 38.5176 | 4.864 | 67.426 | 34.2964 | 0.6428 | 74.3172 |
| 4/14/2025 | 8:00:00 AM | 33.6505 | 41.8114 | 8.1609 | 44.5091 | 38.4771 | 4.8266 | 67.4634 | 34.2944 | 0.6439 | 74.3161 |
| 4/14/2025 | 9:00:00 AM | 33.6425 | 41.7957 | 8.1532 | 44.5168 | 38.4352 | 4.7927 | 67.4973 | 34.2967 | 0.6542 | 74.3058 |
| 4/14/2025 | 10:00:00 AM | 33.6405 | 41.7864 | 8.1459 | 44.5241 | 38.4007 | 4.7602 | 67.5298 | 34.2962 | 0.6557 | 74.3043 |
| 4/14/2025 | 11:00:00 AM | 33.641 | 41.7775 | 8.1365 | 44.5335 | 38.3656 | 4.7246 | 67.5654 | 34.2966 | 0.6556 | 74.3044 |
| 4/14/2025 | 12:00:00 PM | 33.621 | 41.7527 | 8.1317 | 44.5383 | 38.3156 | 4.6946 | 67.5954 | 34.293 | 0.672 | 74.288 |
| 4/14/2025 | 1:00:00 PM | 33.5944 | 41.7182 | 8.1238 | 44.5462 | 38.2551 | 4.6607 | 67.6293 | 34.2881 | 0.6937 | 74.2663 |
| 4/14/2025 | 2:00:00 PM | 33.5727 | 41.6954 | 8.1227 | 44.5473 | 38.1976 | 4.6249 | 67.6651 | 34.2876 | 0.7149 | 74.2451 |
| 4/14/2025 | 3:00:00 PM | 33.5574 | 41.6759 | 8.1185 | 44.5515 | 38.1473 | 4.5899 | 67.7001 | 34.2882 | 0.7308 | 74.2292 |
| 4/14/2025 | 4:00:00 PM | 33.5424 | 41.6606 | 8.1182 | 44.5518 | 38.1004 | 4.558 | 67.732 | 34.2862 | 0.7438 | 74.2162 |
| 4/14/2025 | 5:00:00 PM | 33.5215 | 41.6395 | 8.118 | 44.552 | 38.0484 | 4.5269 | 67.7631 | 34.2854 | 0.7639 | 74.1961 |
| 4/14/2025 | 6:00:00 PM | 33.5116 | 41.6326 | 8.121 | 44.549 | 38.0097 | 4.4981 | 67.7919 | 34.2879 | 0.7763 | 74.1837 |
| 4/14/2025 | 7:00:00 PM | 33.5062 | 41.6264 | 8.1202 | 44.5498 | 37.9704 | 4.4642 | 67.8258 | 34.2882 | 0.782 | 74.178 |
| 4/14/2025 | 8:00:00 PM | 33.506 | 41.6264 | 8.1204 | 44.5496 | 37.9397 | 4.4337 | 67.8563 | 34.2925 | 0.7865 | 74.1735 |
| 4/14/2025 | 9:00:00 PM | 33.5269 | 41.6445 | 8.1176 | 44.5524 | 37.9285 | 4.4016 | 67.8884 | 34.3015 | 0.7746 | 74.1854 |
| 4/14/2025 | 10:00:00 PM | 33.5367 | 41.6531 | 8.1164 | 44.5536 | 37.9119 | 4.3752 | 67.9148 | 34.3047 | 0.768 | 74.192 |
| 4/14/2025 | 11:00:00 PM | 33.547 | 41.6621 | 8.1151 | 44.5549 | 37.8935 | 4.3465 | 67.9435 | 34.3089 | 0.7619 | 74.1981 |
| 4/15/2025 | 12:00:00 AM | 33.5499 | 41.6628 | 8.1129 | 44.5571 | 37.871 | 4.3211 | 67.9689 | 34.3068 | 0.7569 | 74.2031 |
| 4/15/2025 | 1:00:00 AM | 33.5489 | 41.6602 | 8.1113 | 44.5587 | 37.8445 | 4.2956 | 67.9944 | 34.306 | 0.7571 | 74.2029 |
| 4/15/2025 | 2:00:00 AM | 33.5497 | 41.6576 | 8.1079 | 44.5621 | 37.8166 | 4.2669 | 68.0231 | 34.3059 | 0.7562 | 74.2038 |
| 4/15/2025 | 3:00:00 AM | 33.5372 | 41.6456 | 8.1084 | 44.5616 | 37.7765 | 4.2393 | 68.0507 | 34.3017 | 0.7645 | 74.1955 |
| 4/15/2025 | 4:00:00 AM | 33.5421 | 41.6474 | 8.1053 | 44.5647 | 37.7522 | 4.2101 | 68.0799 | 34.3052 | 0.7631 | 74.1969 |
| 4/15/2025 | 5:00:00 AM | 33.5445 | 41.6474 | 8.1029 | 44.5671 | 37.7284 | 4.1839 | 68.1061 | 34.3067 | 0.7622 | 74.1978 |
| 4/15/2025 | 6:00:00 AM | 33.538 | 41.6413 | 8.1033 | 44.5667 | 37.6968 | 4.1588 | 68.1312 | 34.3059 | 0.7679 | 74.1921 |
| 4/15/2025 | 7:00:00 AM | 33.5471 | 41.6444 | 8.0973 | 44.5727 | 37.6764 | 4.1293 | 68.1607 | 34.3094 | 0.7623 | 74.1977 |
| 4/15/2025 | 8:00:00 AM | 33.5667 | 41.661 | 8.0943 | 44.5757 | 37.6683 | 4.1016 | 68.1884 | 34.3162 | 0.7495 | 74.2105 |
| 4/15/2025 | 9:00:00 AM | 33.5649 | 41.655 | 8.0901 | 44.5799 | 37.6425 | 4.0776 | 68.2124 | 34.3133 | 0.7484 | 74.2116 |
| 4/15/2025 | 10:00:00 AM | 33.5607 | 41.6464 | 8.0857 | 44.5843 | 37.6118 | 4.0511 | 68.2389 | 34.3122 | 0.7515 | 74.2085 |
| 4/15/2025 | 11:00:00 AM | 33.5639 | 41.645 | 8.0811 | 44.5889 | 37.5855 | 4.0216 | 68.2684 | 34.3125 | 0.7486 | 74.2114 |
| 4/15/2025 | 12:00:00 PM | 33.5519 | 41.6299 | 8.078 | 44.592 | 37.548 | 3.9961 | 68.2939 | 34.3119 | 0.76 | 74.2 |
| 4/15/2025 | 1:00:00 PM | 33.5344 | 41.6135 | 8.0791 | 44.5909 | 37.5033 | 3.9689 | 68.3211 | 34.3077 | 0.7733 | 74.1867 |
| 4/15/2025 | 2:00:00 PM | 33.5292 | 41.6056 | 8.0764 | 44.5936 | 37.47 | 3.9408 | 68.3492 | 34.3127 | 0.7835 | 74.1765 |
| 4/15/2025 | 3:00:00 PM | 33.5197 | 41.5944 | 8.0747 | 44.5953 | 37.4337 | 3.914 | 68.376 | 34.3114 | 0.7917 | 74.1683 |
| 4/15/2025 | 4:00:00 PM | 33.5129 | 41.5869 | 8.074 | 44.596 | 37.3983 | 3.8854 | 68.4046 | 34.3138 | 0.8009 | 74.1591 |
| 4/15/2025 | 5:00:00 PM | 33.5094 | 41.583 | 8.0736 | 44.5964 | 37.3687 | 3.8593 | 68.4307 | 34.314 | 0.8046 | 74.1554 |
| 4/15/2025 | 6:00:00 PM | 33.4954 | 41.5705 | 8.0751 | 44.5949 | 37.3305 | 3.8351 | 68.4549 | 34.3114 | 0.816 | 74.144 |
| 4/15/2025 | 7:00:00 PM | 33.4748 | 41.5548 | 8.08 | 44.59 | 37.2863 | 3.8115 | 68.4785 | 34.3103 | 0.8355 | 74.1245 |
| 4/15/2025 | 8:00:00 PM | 33.4736 | 41.5564 | 8.0828 | 44.5872 | 37.2604 | 3.7868 | 68.5032 | 34.3154 | 0.8418 | 74.1182 |
| 4/15/2025 | 9:00:00 PM | 33.4923 | 41.5761 | 8.0838 | 44.5862 | 37.2536 | 3.7613 | 68.5287 | 34.326 | 0.8337 | 74.1263 |
| 4/15/2025 | 10:00:00 PM | 33.5006 | 41.5831 | 8.0825 | 44.5875 | 37.2416 | 3.741 | 68.549 | 34.3279 | 0.8273 | 74.1327 |
| 4/15/2025 | 11:00:00 PM | 33.5024 | 41.5879 | 8.0855 | 44.5845 | 37.2229 | 3.7205 | 68.5695 | 34.3291 | 0.8267 | 74.1333 |

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| 4/16/2025 | 12:00:00 AM | 33.5045 | 41.5893 | 8.0848 | 44.5852 | 37.2003 | 3.6958 | 68.5942 | 34.3309 | 0.8264 | 74.1336 |
| 4/16/2025 | 1:00:00 AM | 33.4981 | 41.5824 | 8.0843 | 44.5857 | 37.1722 | 3.6741 | 68.6159 | 34.3282 | 0.8301 | 74.1299 |
| 4/16/2025 | 2:00:00 AM | 33.4941 | 41.5828 | 8.0887 | 44.5813 | 37.1464 | 3.6523 | 68.6377 | 34.3289 | 0.8348 | 74.1252 |
| 4/16/2025 | 3:00:00 AM | 33.4845 | 41.5739 | 8.0894 | 44.5806 | 37.1139 | 3.6294 | 68.6606 | 34.3269 | 0.8424 | 74.1176 |
| 4/16/2025 | 4:00:00 AM | 33.487 | 41.5774 | 8.0904 | 44.5796 | 37.0949 | 3.6079 | 68.6821 | 34.3321 | 0.8451 | 74.1149 |
| 4/16/2025 | 5:00:00 AM | 33.4894 | 41.5815 | 8.0921 | 44.5779 | 37.076 | 3.5866 | 68.7034 | 34.333 | 0.8436 | 74.1164 |
| 4/16/2025 | 6:00:00 AM | 33.4871 | 41.5777 | 8.0906 | 44.5794 | 37.0508 | 3.5637 | 68.7263 | 34.3332 | 0.8461 | 74.1139 |
| 4/16/2025 | 7:00:00 AM | 33.4981 | 41.5873 | 8.0892 | 44.5808 | 37.0387 | 3.5406 | 68.7494 | 34.3397 | 0.8416 | 74.1184 |
| 4/16/2025 | 8:00:00 AM | 33.5032 | 41.5911 | 8.0879 | 44.5821 | 37.0231 | 3.5199 | 68.7701 | 34.3431 | 0.8399 | 74.1201 |
| 4/16/2025 | 9:00:00 AM | 33.4988 | 41.5841 | 8.0853 | 44.5847 | 36.9975 | 3.4987 | 68.7913 | 34.3409 | 0.8421 | 74.1179 |
| 4/16/2025 | 10:00:00 AM | 33.5036 | 41.5884 | 8.0848 | 44.5852 | 36.9813 | 3.4777 | 68.8123 | 34.3428 | 0.8392 | 74.1208 |
| 4/16/2025 | 11:00:00 AM | 33.5101 | 41.5896 | 8.0795 | 44.5905 | 36.9637 | 3.4536 | 68.8364 | 34.3425 | 0.8324 | 74.1276 |
| 4/16/2025 | 12:00:00 PM | 33.5062 | 41.5869 | 8.0807 | 44.5893 | 36.9399 | 3.4337 | 68.8563 | 34.3407 | 0.8345 | 74.1255 |
| 4/16/2025 | 1:00:00 PM | 33.4916 | 41.5692 | 8.0776 | 44.5924 | 36.9016 | 3.41 | 68.88 | 34.3332 | 0.8416 | 74.1184 |
| 4/16/2025 | 2:00:00 PM | 33.4789 | 41.5543 | 8.0754 | 44.5946 | 36.8666 | 3.3877 | 68.9023 | 34.3285 | 0.8496 | 74.1104 |
| 4/16/2025 | 3:00:00 PM | 33.4634 | 41.5413 | 8.0779 | 44.5921 | 36.8317 | 3.3683 | 68.9217 | 34.326 | 0.8626 | 74.0974 |
| 4/16/2025 | 4:00:00 PM | 33.4673 | 41.5432 | 8.0759 | 44.5941 | 36.8108 | 3.3435 | 68.9465 | 34.3292 | 0.8619 | 74.0981 |
| 4/16/2025 | 5:00:00 PM | 33.4686 | 41.5476 | 8.079 | 44.591 | 36.7945 | 3.3259 | 68.9641 | 34.3323 | 0.8637 | 74.0963 |
| 4/16/2025 | 6:00:00 PM | 33.4796 | 41.555 | 8.0754 | 44.5946 | 36.7818 | 3.3022 | 68.9878 | 34.3349 | 0.8553 | 74.1047 |
| 4/16/2025 | 7:00:00 PM | 33.4922 | 41.5659 | 8.0737 | 44.5963 | 36.7757 | 3.2835 | 69.0065 | 34.3386 | 0.8464 | 74.1136 |
| 4/16/2025 | 8:00:00 PM | 33.5041 | 41.578 | 8.0739 | 44.5961 | 36.7676 | 3.2635 | 69.0265 | 34.3403 | 0.8362 | 74.1238 |
| 4/16/2025 | 9:00:00 PM | 33.5278 | 41.5966 | 8.0688 | 44.6012 | 36.7691 | 3.2413 | 69.0487 | 34.3464 | 0.8186 | 74.1414 |
| 4/16/2025 | 10:00:00 PM | 33.542 | 41.6075 | 8.0655 | 44.6045 | 36.7663 | 3.2243 | 69.0657 | 34.3499 | 0.8079 | 74.1521 |
| 4/16/2025 | 11:00:00 PM | 33.558 | 41.6208 | 8.0628 | 44.6072 | 36.7639 | 3.2059 | 69.0841 | 34.3522 | 0.7942 | 74.1658 |
| 4/17/2025 | 12:00:00 AM | 33.5521 | 41.6142 | 8.0621 | 44.6079 | 36.7452 | 3.1931 | 69.0969 | 34.3501 | 0.798 | 74.162 |
| 4/17/2025 | 1:00:00 AM | 33.5656 | 41.6244 | 8.0588 | 44.6112 | 36.7413 | 3.1757 | 69.1143 | 34.3521 | 0.7865 | 74.1735 |
| 4/17/2025 | 2:00:00 AM | 33.5706 | 41.6275 | 8.0569 | 44.6131 | 36.7302 | 3.1596 | 69.1304 | 34.3513 | 0.7807 | 74.1793 |
| 4/17/2025 | 3:00:00 AM | 33.5862 | 41.6373 | 8.0511 | 44.6189 | 36.7219 | 3.1357 | 69.1543 | 34.3535 | 0.7673 | 74.1927 |
| 4/17/2025 | 4:00:00 AM | 33.5986 | 41.6428 | 8.0442 | 44.6258 | 36.7175 | 3.1189 | 69.1711 | 34.3537 | 0.7551 | 74.2049 |
| 4/17/2025 | 5:00:00 AM | 33.5963 | 41.6388 | 8.0425 | 44.6275 | 36.7 | 3.1037 | 69.1863 | 34.3533 | 0.757 | 74.203 |
| 4/17/2025 | 6:00:00 AM | 33.602 | 41.6387 | 8.0367 | 44.6333 | 36.685 | 3.083 | 69.207 | 34.3518 | 0.7498 | 74.2102 |
| 4/17/2025 | 7:00:00 AM | 33.609 | 41.6416 | 8.0326 | 44.6374 | 36.6722 | 3.0632 | 69.2268 | 34.3518 | 0.7428 | 74.2172 |
| 4/17/2025 | 8:00:00 AM | 33.6147 | 41.6367 | 8.022 | 44.648 | 36.6595 | 3.0448 | 69.2452 | 34.3523 | 0.7376 | 74.2224 |
| 4/17/2025 | 9:00:00 AM | 33.6135 | 41.6308 | 8.0173 | 44.6527 | 36.6422 | 3.0287 | 69.2613 | 34.3522 | 0.7387 | 74.2213 |
| 4/17/2025 | 10:00:00 AM | 33.6108 | 41.6227 | 8.0119 | 44.6581 | 36.6165 | 3.0057 | 69.2843 | 34.349 | 0.7382 | 74.2218 |
| 4/17/2025 | 11:00:00 AM | 33.61 | 41.6195 | 8.0095 | 44.6605 | 36.5981 | 2.9881 | 69.3019 | 34.346 | 0.736 | 74.224 |
| 4/17/2025 | 12:00:00 PM | 33.5977 | 41.6061 | 8.0084 | 44.6616 | 36.5643 | 2.9666 | 69.3234 | 34.3415 | 0.7438 | 74.2162 |
| 4/17/2025 | 1:00:00 PM | 33.5784 | 41.5854 | 8.007 | 44.663 | 36.5248 | 2.9464 | 69.3436 | 34.3356 | 0.7572 | 74.2028 |
| 4/17/2025 | 2:00:00 PM | 33.5719 | 41.5751 | 8.0032 | 44.6668 | 36.4961 | 2.9242 | 69.3658 | 34.3333 | 0.7614 | 74.1986 |
| 4/17/2025 | 3:00:00 PM | 33.5687 | 41.5699 | 8.0012 | 44.6688 | 36.4723 | 2.9036 | 69.3864 | 34.3363 | 0.7676 | 74.1924 |
| 4/17/2025 | 4:00:00 PM | 33.5548 | 41.5585 | 8.0037 | 44.6663 | 36.4388 | 2.884 | 69.406 | 34.3338 | 0.779 | 74.181 |
| 4/17/2025 | 5:00:00 PM | 33.5466 | 41.5511 | 8.0045 | 44.6655 | 36.4119 | 2.8653 | 69.4247 | 34.3326 | 0.786 | 74.174 |
| 4/17/2025 | 6:00:00 PM | 33.5448 | 41.549 | 8.0042 | 44.6658 | 36.3923 | 2.8475 | 69.4425 | 34.3378 | 0.793 | 74.167 |
| 4/17/2025 | 7:00:00 PM | 33.5357 | 41.5423 | 8.0066 | 44.6634 | 36.3643 | 2.8286 | 69.4614 | 34.3363 | 0.8006 | 74.1594 |
| 4/17/2025 | 8:00:00 PM | 33.5394 | 41.5442 | 8.0048 | 44.6652 | 36.3481 | 2.8087 | 69.4813 | 34.3387 | 0.7993 | 74.1607 |
| 4/17/2025 | 9:00:00 PM | 33.5491 | 41.5557 | 8.0066 | 44.6634 | 36.3412 | 2.7921 | 69.4979 | 34.3467 | 0.7976 | 74.1624 |
| 4/17/2025 | 10:00:00 PM | 33.5549 | 41.5609 | 8.006 | 44.664 | 36.3297 | 2.7748 | 69.5152 | 34.3504 | 0.7955 | 74.1645 |
| 4/17/2025 | 11:00:00 PM | 33.5598 | 41.5662 | 8.0064 | 44.6636 | 36.3185 | 2.7587 | 69.5313 | 34.3577 | 0.7979 | 74.1621 |
| 4/18/2025 | 12:00:00 AM | 33.5607 | 41.5675 | 8.0068 | 44.6632 | 36.3046 | 2.7439 | 69.5461 | 34.3531 | 0.7924 | 74.1676 |
| 4/18/2025 | 1:00:00 AM | 33.5665 | 41.5739 | 8.0074 | 44.6626 | 36.2956 | 2.7291 | 69.5609 | 34.3538 | 0.7873 | 74.1727 |
| 4/18/2025 | 2:00:00 AM | 33.5746 | 41.5792 | 8.0046 | 44.6654 | 36.2852 | 2.7106 | 69.5794 | 34.3551 | 0.7805 | 74.1795 |
| 4/18/2025 | 3:00:00 AM | 33.5735 | 41.5784 | 8.0049 | 44.6651 | 36.2694 | 2.6959 | 69.5941 | 34.354 | 0.7805 | 74.1795 |
| 4/18/2025 | 4:00:00 AM | 33.5756 | 41.5789 | 8.0033 | 44.6667 | 36.2555 | 2.6799 | 69.6101 | 34.3624 | 0.7868 | 74.1732 |
| 4/18/2025 | 5:00:00 AM | 33.5808 | 41.5819 | 8.0011 | 44.6689 | 36.2451 | 2.6643 | 69.6257 | 34.3582 | 0.7774 | 74.1826 |
| 4/18/2025 | 6:00:00 AM | 33.5726 | 41.5712 | 7.9986 | 44.6714 | 36.2197 | 2.6471 | 69.6429 | 34.3509 | 0.7783 | 74.1817 |
| 4/18/2025 | 7:00:00 AM | 33.5855 | 41.5798 | 7.9943 | 44.6757 | 36.2166 | 2.6311 | 69.6589 | 34.3539 | 0.7684 | 74.1916 |
| 4/18/2025 | 8:00:00 AM | 33.5975 | 41.5894 | 7.9919 | 44.6781 | 36.2115 | 2.614 | 69.676 | 34.3559 | 0.7584 | 74.2016 |
| 4/18/2025 | 9:00:00 AM | 33.5932 | 41.5828 | 7.9896 | 44.6804 | 36.1935 | 2.6003 | 69.6897 | 34.3531 | 0.7599 | 74.2001 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/18/2025 | 10:00:00 AM | 33.5808 | 41.5689 | 7.9881 | 44.6819 | 36.1652 | 2.5844 | 69.7056 | 34.3524 | 0.7716 | 74.1884 |
| 4/18/2025 | 11:00:00 AM | 33.5707 | 41.5574 | 7.9867 | 44.6833 | 36.1387 | 2.568 | 69.722 | 34.3483 | 0.7776 | 74.1824 |
| 4/18/2025 | 12:00:00 PM | 33.5642 | 41.5494 | 7.9852 | 44.6848 | 36.1141 | 2.5499 | 69.7401 | 34.3455 | 0.7813 | 74.1787 |
| 4/18/2025 | 1:00:00 PM | 33.5538 | 41.5373 | 7.9835 | 44.6865 | 36.0867 | 2.5329 | 69.7571 | 34.3415 | 0.7877 | 74.1723 |
| 4/18/2025 | 2:00:00 PM | 33.5491 | 41.5284 | 7.9793 | 44.6907 | 36.0622 | 2.5131 | 69.7769 | 34.342 | 0.7929 | 74.1671 |
| 4/18/2025 | 3:00:00 PM | 33.5247 | 41.5096 | 7.9849 | 44.6851 | 36.0226 | 2.4979 | 69.7921 | 34.3356 | 0.8109 | 74.1491 |
| 4/18/2025 | 4:00:00 PM | 33.5141 | 41.4996 | 7.9855 | 44.6845 | 35.9933 | 2.4792 | 69.8108 | 34.333 | 0.8189 | 74.1411 |
| 4/18/2025 | 5:00:00 PM | 33.5098 | 41.4971 | 7.9873 | 44.6827 | 35.9709 | 2.4611 | 69.8289 | 34.3317 | 0.8219 | 74.1381 |
| 4/18/2025 | 6:00:00 PM | 33.4924 | 41.4843 | 7.9919 | 44.6781 | 35.9408 | 2.4484 | 69.8416 | 34.332 | 0.8396 | 74.1204 |
| 4/18/2025 | 7:00:00 PM | 33.4837 | 41.48 | 7.9963 | 44.6737 | 35.9168 | 2.4331 | 69.8569 | 34.3308 | 0.8471 | 74.1129 |
| 4/18/2025 | 8:00:00 PM | 33.4778 | 41.4771 | 7.9993 | 44.6707 | 35.8948 | 2.417 | 69.873 | 34.3318 | 0.854 | 74.106 |
| 4/18/2025 | 9:00:00 PM | 33.5022 | 41.4987 | 7.9965 | 44.6735 | 35.9032 | 2.401 | 69.889 | 34.3422 | 0.84 | 74.12 |
| 4/18/2025 | 10:00:00 PM | 33.5134 | 41.5093 | 7.9959 | 44.6741 | 35.8998 | 2.3864 | 69.9036 | 34.3458 | 0.8324 | 74.1276 |
| 4/18/2025 | 11:00:00 PM | 33.5047 | 41.5056 | 8.0009 | 44.6691 | 35.8828 | 2.3781 | 69.9119 | 34.3482 | 0.8435 | 74.1165 |
| 4/19/2025 | 12:00:00 AM | 33.5173 | 41.5161 | 7.9988 | 44.6712 | 35.878 | 2.3607 | 69.9293 | 34.3502 | 0.8329 | 74.1271 |
| 4/19/2025 | 1:00:00 AM | 33.5147 | 41.513 | 7.9983 | 44.6717 | 35.8626 | 2.3479 | 69.9421 | 34.3474 | 0.8327 | 74.1273 |
| 4/19/2025 | 2:00:00 AM | 33.5226 | 41.5194 | 7.9968 | 44.6732 | 35.8584 | 2.3358 | 69.9542 | 34.3505 | 0.8279 | 74.1321 |
| 4/19/2025 | 3:00:00 AM | 33.5372 | 41.5313 | 7.9941 | 44.6759 | 35.8569 | 2.3197 | 69.9703 | 34.353 | 0.8158 | 74.1442 |
| 4/19/2025 | 4:00:00 AM | 33.5449 | 41.5373 | 7.9924 | 44.6776 | 35.8508 | 2.3059 | 69.9841 | 34.3507 | 0.8058 | 74.1542 |
| 4/19/2025 | 5:00:00 AM | 33.5543 | 41.542 | 7.9877 | 44.6823 | 35.8466 | 2.2923 | 69.9977 | 34.3524 | 0.7981 | 74.1619 |
| 4/19/2025 | 6:00:00 AM | 33.5711 | 41.5537 | 7.9826 | 44.6874 | 35.8458 | 2.2747 | 70.0153 | 34.3545 | 0.7834 | 74.1766 |
| 4/19/2025 | 7:00:00 AM | 33.5791 | 41.5615 | 7.9824 | 44.6876 | 35.8426 | 2.2635 | 70.0265 | 34.3569 | 0.7778 | 74.1822 |
| 4/19/2025 | 8:00:00 AM | 33.5968 | 41.5774 | 7.9806 | 44.6894 | 35.8451 | 2.2483 | 70.0417 | 34.3601 | 0.7633 | 74.1967 |
| 4/19/2025 | 9:00:00 AM | 33.6147 | 41.5869 | 7.9722 | 44.6978 | 35.8482 | 2.2335 | 70.0565 | 34.3628 | 0.7481 | 74.2119 |
| 4/19/2025 | 10:00:00 AM | 33.6246 | 41.5926 | 7.968 | 44.702 | 35.8436 | 2.219 | 70.071 | 34.3629 | 0.7383 | 74.2217 |
| 4/19/2025 | 11:00:00 AM | 33.6264 | 41.5842 | 7.9578 | 44.7122 | 35.8355 | 2.2091 | 70.0809 | 34.3604 | 0.734 | 74.226 |
| 4/19/2025 | 12:00:00 PM | 33.6454 | 41.6064 | 7.961 | 44.709 | 35.8356 | 2.1902 | 70.0998 | 34.3675 | 0.7221 | 74.2379 |
| 4/19/2025 | 1:00:00 PM | 33.6472 | 41.6027 | 7.9555 | 44.7145 | 35.8255 | 2.1783 | 70.1117 | 34.3666 | 0.7194 | 74.2406 |
| 4/19/2025 | 2:00:00 PM | 33.6562 | 41.607 | 7.9508 | 44.7192 | 35.8196 | 2.1634 | 70.1266 | 34.367 | 0.7108 | 74.2492 |
| 4/19/2025 | 3:00:00 PM | 33.6559 | 41.6013 | 7.9454 | 44.7246 | 35.806 | 2.1501 | 70.1399 | 34.3633 | 0.7074 | 74.2526 |
| 4/19/2025 | 4:00:00 PM | 33.6388 | 41.5866 | 7.9478 | 44.7222 | 35.7793 | 2.1405 | 70.1495 | 34.361 | 0.7222 | 74.2378 |
| 4/19/2025 | 5:00:00 PM | 33.6298 | 41.5742 | 7.9444 | 44.7256 | 35.754 | 2.1242 | 70.1658 | 34.3576 | 0.7278 | 74.2322 |
| 4/19/2025 | 6:00:00 PM | 33.6334 | 41.5755 | 7.9421 | 44.7279 | 35.7437 | 2.1103 | 70.1797 | 34.3562 | 0.7228 | 74.2372 |
| 4/19/2025 | 7:00:00 PM | 33.6395 | 41.5793 | 7.9398 | 44.7302 | 35.736 | 2.0965 | 70.1935 | 34.3578 | 0.7183 | 74.2417 |
| 4/19/2025 | 8:00:00 PM | 33.6494 | 41.5844 | 7.935 | 44.735 | 35.7298 | 2.0804 | 70.2096 | 34.3607 | 0.7113 | 74.2487 |
| 4/19/2025 | 9:00:00 PM | 33.6747 | 41.6037 | 7.929 | 44.741 | 35.7367 | 2.062 | 70.228 | 34.3782 | 0.7035 | 74.2565 |
| 4/19/2025 | 10:00:00 PM | 33.687 | 41.6118 | 7.9248 | 44.7452 | 35.7371 | 2.0501 | 70.2399 | 34.3799 | 0.6929 | 74.2671 |
| 4/19/2025 | 11:00:00 PM | 33.6921 | 41.6126 | 7.9205 | 44.7495 | 35.7318 | 2.0397 | 70.2503 | 34.3794 | 0.6873 | 74.2727 |
| 4/20/2025 | 12:00:00 AM | 33.6987 | 41.6142 | 7.9155 | 44.7545 | 35.7258 | 2.0271 | 70.2629 | 34.379 | 0.6803 | 74.2797 |
| 4/20/2025 | 1:00:00 AM | 33.7013 | 41.6147 | 7.9134 | 44.7566 | 35.7191 | 2.0178 | 70.2722 | 34.3779 | 0.6766 | 74.2834 |
| 4/20/2025 | 2:00:00 AM | 33.6982 | 41.608 | 7.9098 | 44.7602 | 35.7067 | 2.0085 | 70.2815 | 34.3739 | 0.6757 | 74.2843 |
| 4/20/2025 | 3:00:00 AM | 33.6886 | 41.5956 | 7.907 | 44.763 | 35.6886 | 2 | 70.29 | 34.3702 | 0.6816 | 74.2784 |
| 4/20/2025 | 4:00:00 AM | 33.6857 | 41.5901 | 7.9044 | 44.7656 | 35.6718 | 1.9861 | 70.3039 | 34.3686 | 0.6829 | 74.2771 |
| 4/20/2025 | 5:00:00 AM | 33.6818 | 41.5866 | 7.9048 | 44.7652 | 35.658 | 1.9762 | 70.3138 | 34.3668 | 0.685 | 74.275 |
| 4/20/2025 | 6:00:00 AM | 33.68 | 41.5811 | 7.9011 | 44.7689 | 35.6417 | 1.9617 | 70.3283 | 34.3646 | 0.6846 | 74.2754 |
| 4/20/2025 | 7:00:00 AM | 33.679 | 41.5759 | 7.8969 | 44.7731 | 35.6279 | 1.9489 | 70.3411 | 34.3641 | 0.6851 | 74.2749 |
| 4/20/2025 | 8:00:00 AM | 33.6759 | 41.5725 | 7.8966 | 44.7734 | 35.6142 | 1.9383 | 70.3517 | 34.363 | 0.6871 | 74.2729 |
| 4/20/2025 | 9:00:00 AM | 33.6759 | 41.5709 | 7.895 | 44.775 | 35.6018 | 1.9259 | 70.3641 | 34.3622 | 0.6863 | 74.2737 |
| 4/20/2025 | 10:00:00 AM | 33.6727 | 41.5653 | 7.8926 | 44.7774 | 35.5864 | 1.9137 | 70.3763 | 34.3613 | 0.6886 | 74.2714 |
| 4/20/2025 | 11:00:00 AM | 33.6812 | 41.5704 | 7.8892 | 44.7808 | 35.5829 | 1.9017 | 70.3883 | 34.3632 | 0.682 | 74.278 |
| 4/20/2025 | 12:00:00 PM | 33.6756 | 41.5599 | 7.8843 | 44.7857 | 35.5645 | 1.8889 | 70.4011 | 34.3604 | 0.6848 | 74.2752 |
| 4/20/2025 | 1:00:00 PM | 33.6623 | 41.5444 | 7.8821 | 44.7879 | 35.5406 | 1.8783 | 70.4117 | 34.357 | 0.6947 | 74.2653 |
| 4/20/2025 | 2:00:00 PM | 33.6493 | 41.531 | 7.8817 | 44.7883 | 35.5159 | 1.8666 | 70.4234 | 34.3545 | 0.7052 | 74.2548 |
| 4/20/2025 | 3:00:00 PM | 33.6399 | 41.5213 | 7.8814 | 44.7886 | 35.4939 | 1.854 | 70.436 | 34.3521 | 0.7122 | 74.2478 |
| 4/20/2025 | 4:00:00 PM | 33.6168 | 41.5027 | 7.8859 | 44.7841 | 35.4608 | 1.844 | 70.446 | 34.3491 | 0.7323 | 74.2277 |
| 4/20/2025 | 5:00:00 PM | 33.6066 | 41.4943 | 7.8877 | 44.7823 | 35.4365 | 1.8299 | 70.4601 | 34.3476 | 0.741 | 74.219 |
| 4/20/2025 | 6:00:00 PM | 33.6073 | 41.4964 | 7.8891 | 44.7809 | 35.4255 | 1.8182 | 70.4718 | 34.3526 | 0.7453 | 74.2147 |
| 4/20/2025 | 7:00:00 PM | 33.5912 | 41.4824 | 7.8912 | 44.7788 | 35.3998 | 1.8086 | 70.4814 | 34.3528 | 0.7616 | 74.1984 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/20/2025 | 8:00:00 PM | 33.5899 | 41.4831 | 7.8932 | 44.7768 | 35.385 | 1.7951 | 70.4949 | 34.3527 | 0.7628 | 74.1972 |
| 4/20/2025 | 9:00:00 PM | 33.6051 | 41.4972 | 7.8921 | 44.7779 | 35.3862 | 1.7811 | 70.5089 | 34.3625 | 0.7574 | 74.2026 |
| 4/20/2025 | 10:00:00 PM | 33.6179 | 41.5144 | 7.8965 | 44.7735 | 35.3884 | 1.7705 | 70.5195 | 34.3697 | 0.7518 | 74.2082 |
| 4/20/2025 | 11:00:00 PM | 33.6235 | 41.5181 | 7.8946 | 44.7754 | 35.3842 | 1.7607 | 70.5293 | 34.3708 | 0.7473 | 74.2127 |
| 4/21/2025 | 12:00:00 AM | 33.6235 | 41.5166 | 7.8931 | 44.7769 | 35.3764 | 1.7529 | 70.5371 | 34.3709 | 0.7474 | 74.2126 |
| 4/21/2025 | 1:00:00 AM | 33.6301 | 41.5266 | 7.8965 | 44.7735 | 35.3728 | 1.7427 | 70.5473 | 34.373 | 0.7429 | 74.2171 |
| 4/21/2025 | 2:00:00 AM | 33.6306 | 41.5239 | 7.8933 | 44.7767 | 35.3643 | 1.7337 | 70.5563 | 34.3723 | 0.7417 | 74.2183 |
| 4/21/2025 | 3:00:00 AM | 33.6312 | 41.5263 | 7.8951 | 44.7749 | 35.3564 | 1.7252 | 70.5648 | 34.3738 | 0.7426 | 74.2174 |
| 4/21/2025 | 4:00:00 AM | 33.638 | 41.5319 | 7.8939 | 44.7761 | 35.3516 | 1.7136 | 70.5764 | 34.3747 | 0.7367 | 74.2233 |
| 4/21/2025 | 5:00:00 AM | 33.641 | 41.5334 | 7.8924 | 44.7776 | 35.3439 | 1.7029 | 70.5871 | 34.3759 | 0.7349 | 74.2251 |
| 4/21/2025 | 6:00:00 AM | 33.6474 | 41.5378 | 7.8904 | 44.7796 | 35.3392 | 1.6918 | 70.5982 | 34.3778 | 0.7304 | 74.2296 |
| 4/21/2025 | 7:00:00 AM | 33.6604 | 41.5487 | 7.8883 | 44.7817 | 35.3391 | 1.6787 | 70.6113 | 34.3821 | 0.7217 | 74.2383 |
| 4/21/2025 | 8:00:00 AM | 33.6748 | 41.5587 | 7.8839 | 44.7861 | 35.3407 | 1.6659 | 70.6241 | 34.3845 | 0.7097 | 74.2503 |
| 4/21/2025 | 9:00:00 AM | 33.6791 | 41.5625 | 7.8834 | 44.7866 | 35.3379 | 1.6588 | 70.6312 | 34.3849 | 0.7058 | 74.2542 |
| 4/21/2025 | 10:00:00 AM | 33.6873 | 41.5667 | 7.8794 | 44.7906 | 35.3356 | 1.6483 | 70.6417 | 34.3857 | 0.6984 | 74.2616 |
| 4/21/2025 | 11:00:00 AM | 33.6945 | 41.5695 | 7.875 | 44.795 | 35.3324 | 1.6379 | 70.6521 | 34.3848 | 0.6903 | 74.2697 |
| 4/21/2025 | 12:00:00 PM | 33.6983 | 41.5705 | 7.8722 | 44.7978 | 35.3257 | 1.6274 | 70.6626 | 34.3844 | 0.6861 | 74.2739 |
| 4/21/2025 | 1:00:00 PM | 33.689 | 41.5624 | 7.8734 | 44.7966 | 35.3109 | 1.6219 | 70.6681 | 34.3826 | 0.6936 | 74.2664 |
| 4/21/2025 | 2:00:00 PM | 33.6851 | 41.5562 | 7.8711 | 44.7989 | 35.2965 | 1.6114 | 70.6786 | 34.3794 | 0.6943 | 74.2657 |
| 4/21/2025 | 3:00:00 PM | 33.6817 | 41.5508 | 7.8691 | 44.8009 | 35.2824 | 1.6007 | 70.6893 | 34.3765 | 0.6948 | 74.2652 |
| 4/21/2025 | 4:00:00 PM | 33.6724 | 41.5435 | 7.8711 | 44.7989 | 35.2618 | 1.5894 | 70.7006 | 34.3728 | 0.7004 | 74.2596 |
| 4/21/2025 | 5:00:00 PM | 33.6709 | 41.5391 | 7.8682 | 44.8018 | 35.2471 | 1.5762 | 70.7138 | 34.3693 | 0.6984 | 74.2616 |
| 4/21/2025 | 6:00:00 PM | 33.666 | 41.535 | 7.869 | 44.801 | 35.2325 | 1.5665 | 70.7235 | 34.3684 | 0.7024 | 74.2576 |
| 4/21/2025 | 7:00:00 PM | 33.659 | 41.5281 | 7.8691 | 44.8009 | 35.217 | 1.558 | 70.732 | 34.3649 | 0.7059 | 74.2541 |
| 4/21/2025 | 8:00:00 PM | 33.6648 | 41.5292 | 7.8644 | 44.8056 | 35.2098 | 1.545 | 70.745 | 34.384 | 0.7192 | 74.2408 |
| 4/21/2025 | 9:00:00 PM | 33.6821 | 41.5438 | 7.8617 | 44.8083 | 35.2149 | 1.5328 | 70.7572 | 34.3893 | 0.7072 | 74.2528 |
| 4/21/2025 | 10:00:00 PM | 33.6891 | 41.5494 | 7.8603 | 44.8097 | 35.2123 | 1.5232 | 70.7668 | 34.3931 | 0.704 | 74.256 |
| 4/21/2025 | 11:00:00 PM | 33.6997 | 41.5566 | 7.8569 | 44.8131 | 35.2131 | 1.5134 | 70.7766 | 34.3955 | 0.6958 | 74.2642 |
| 4/22/2025 | 12:00:00 AM | 33.7009 | 41.5573 | 7.8564 | 44.8136 | 35.2075 | 1.5066 | 70.7834 | 34.3955 | 0.6946 | 74.2654 |
| 4/22/2025 | 1:00:00 AM | 33.7008 | 41.5564 | 7.8556 | 44.8144 | 35.201 | 1.5002 | 70.7898 | 34.3972 | 0.6964 | 74.2636 |
| 4/22/2025 | 2:00:00 AM | 33.6942 | 41.5497 | 7.8555 | 44.8145 | 35.1886 | 1.4944 | 70.7956 | 34.3948 | 0.7006 | 74.2594 |
| 4/22/2025 | 3:00:00 AM | 33.6932 | 41.5476 | 7.8544 | 44.8156 | 35.1789 | 1.4857 | 70.8043 | 34.3945 | 0.7013 | 74.2587 |
| 4/22/2025 | 4:00:00 AM | 33.6943 | 41.5468 | 7.8525 | 44.8175 | 35.1707 | 1.4764 | 70.8136 | 34.397 | 0.7027 | 74.2573 |
| 4/22/2025 | 5:00:00 AM | 33.6884 | 41.5482 | 7.8598 | 44.8102 | 35.1567 | 1.4683 | 70.8217 | 34.3971 | 0.7087 | 74.2513 |
| 4/22/2025 | 6:00:00 AM | 33.688 | 41.5487 | 7.8607 | 44.8093 | 35.1472 | 1.4592 | 70.8308 | 34.3977 | 0.7097 | 74.2503 |
| 4/22/2025 | 7:00:00 AM | 33.6906 | 41.55 | 7.8594 | 44.8106 | 35.1422 | 1.4516 | 70.8384 | 34.3978 | 0.7072 | 74.2528 |
| 4/22/2025 | 8:00:00 AM | 33.6948 | 41.553 | 7.8582 | 44.8118 | 35.1361 | 1.4413 | 70.8487 | 34.3983 | 0.7035 | 74.2565 |
| 4/22/2025 | 9:00:00 AM | 33.7005 | 41.5563 | 7.8558 | 44.8142 | 35.1319 | 1.4314 | 70.8586 | 34.4003 | 0.6998 | 74.2602 |
| 4/22/2025 | 10:00:00 AM | 33.6941 | 41.5496 | 7.8555 | 44.8145 | 35.1199 | 1.4258 | 70.8642 | 34.3992 | 0.7051 | 74.2549 |
| 4/22/2025 | 11:00:00 AM | 33.6866 | 41.5428 | 7.8562 | 44.8138 | 35.1046 | 1.418 | 70.872 | 34.3966 | 0.71 | 74.25 |
| 4/22/2025 | 12:00:00 PM | 33.6719 | 41.5259 | 7.854 | 44.816 | 35.0793 | 1.4074 | 70.8826 | 34.3911 | 0.7192 | 74.2408 |
| 4/22/2025 | 1:00:00 PM | 33.6589 | 41.5215 | 7.8626 | 44.8074 | 35.0564 | 1.3975 | 70.8925 | 34.3874 | 0.7285 | 74.2315 |
| 4/22/2025 | 2:00:00 PM | 33.6467 | 41.5111 | 7.8644 | 44.8056 | 35.0328 | 1.3861 | 70.9039 | 34.3851 | 0.7384 | 74.2216 |
| 4/22/2025 | 3:00:00 PM | 33.6375 | 41.504 | 7.8665 | 44.8035 | 35.0144 | 1.3769 | 70.9131 | 34.3851 | 0.7476 | 74.2124 |
| 4/22/2025 | 4:00:00 PM | 33.6222 | 41.4914 | 7.8692 | 44.8008 | 34.9896 | 1.3674 | 70.9226 | 34.3816 | 0.7594 | 74.2006 |
| 4/22/2025 | 5:00:00 PM | 33.6092 | 41.4815 | 7.8723 | 44.7977 | 34.9657 | 1.3565 | 70.9335 | 34.3791 | 0.7699 | 74.1901 |
| 4/22/2025 | 6:00:00 PM | 33.6019 | 41.4778 | 7.8759 | 44.7941 | 34.9489 | 1.347 | 70.943 | 34.377 | 0.7751 | 74.1849 |
| 4/22/2025 | 7:00:00 PM | 33.5963 | 41.4756 | 7.8793 | 44.7907 | 34.9354 | 1.3391 | 70.9509 | 34.3781 | 0.7818 | 74.1782 |
| 4/22/2025 | 8:00:00 PM | 33.5883 | 41.4697 | 7.8814 | 44.7886 | 34.9191 | 1.3308 | 70.9592 | 34.3754 | 0.7871 | 74.1729 |
| 4/22/2025 | 9:00:00 PM | 33.5962 | 41.4854 | 7.8892 | 44.7808 | 34.915 | 1.3188 | 70.9712 | 34.3799 | 0.7837 | 74.1763 |
| 4/22/2025 | 10:00:00 PM | 33.5989 | 41.4889 | 7.89 | 44.78 | 34.9125 | 1.3136 | 70.9764 | 34.3824 | 0.7835 | 74.1765 |
| 4/22/2025 | 11:00:00 PM | 33.6041 | 41.4962 | 7.8921 | 44.7779 | 34.911 | 1.3069 | 70.9831 | 34.3861 | 0.782 | 74.178 |
| 4/23/2025 | 12:00:00 AM | 33.6088 | 41.5015 | 7.8927 | 44.7773 | 34.9073 | 1.2985 | 70.9915 | 34.3867 | 0.7779 | 74.1821 |
| 4/23/2025 | 1:00:00 AM | 33.6099 | 41.5056 | 7.8957 | 44.7743 | 34.9025 | 1.2926 | 70.9974 | 34.3881 | 0.7782 | 74.1818 |
| 4/23/2025 | 2:00:00 AM | 33.6044 | 41.5021 | 7.8977 | 44.7723 | 34.8945 | 1.2901 | 70.9999 | 34.3873 | 0.7829 | 74.1771 |
| 4/23/2025 | 3:00:00 AM | 33.5992 | 41.4994 | 7.9002 | 44.7698 | 34.8827 | 1.2835 | 71.0065 | 34.3859 | 0.7867 | 74.1733 |
| 4/23/2025 | 4:00:00 AM | 33.5944 | 41.4964 | 7.902 | 44.768 | 34.8704 | 1.276 | 71.014 | 34.3845 | 0.7901 | 74.1699 |
| 4/23/2025 | 5:00:00 AM | 33.5884 | 41.493 | 7.9046 | 44.7654 | 34.858 | 1.2696 | 71.0204 | 34.3834 | 0.795 | 74.165 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/23/2025 | 6:00:00 AM | 33.5828 | 41.4878 | 7.905 | 44.765 | 34.844 | 1.2612 | 71.0288 | 34.383 | 0.8002 | 74.1598 |
| 4/23/2025 | 7:00:00 AM | 33.5875 | 41.4938 | 7.9063 | 44.7637 | 34.8412 | 1.2537 | 71.0363 | 34.3852 | 0.7977 | 74.1623 |
| 4/23/2025 | 8:00:00 AM | 33.5896 | 41.4969 | 7.9073 | 44.7627 | 34.8378 | 1.2482 | 71.0418 | 34.3867 | 0.7971 | 74.1629 |
| 4/23/2025 | 9:00:00 AM | 33.5892 | 41.4958 | 7.9066 | 44.7634 | 34.8308 | 1.2416 | 71.0484 | 34.3864 | 0.7972 | 74.1628 |
| 4/23/2025 | 10:00:00 AM | 33.5821 | 41.4898 | 7.9077 | 44.7623 | 34.8166 | 1.2345 | 71.0555 | 34.383 | 0.8009 | 74.1591 |
| 4/23/2025 | 11:00:00 AM | 33.5742 | 41.4846 | 7.9104 | 44.7596 | 34.8017 | 1.2275 | 71.0625 | 34.3826 | 0.8084 | 74.1516 |
| 4/23/2025 | 12:00:00 PM | 33.5594 | 41.4715 | 7.9121 | 44.7579 | 34.7799 | 1.2205 | 71.0695 | 34.3809 | 0.8215 | 74.1385 |
| 4/23/2025 | 1:00:00 PM | 33.5407 | 41.4591 | 7.9184 | 44.7516 | 34.7527 | 1.212 | 71.078 | 34.3765 | 0.8358 | 74.1242 |
| 4/23/2025 | 2:00:00 PM | 33.5235 | 41.4446 | 7.9211 | 44.7489 | 34.7261 | 1.2026 | 71.0874 | 34.3735 | 0.85 | 74.11 |
| 4/23/2025 | 3:00:00 PM | 33.5096 | 41.4365 | 7.9269 | 44.7431 | 34.705 | 1.1954 | 71.0946 | 34.374 | 0.8644 | 74.0956 |
| 4/23/2025 | 4:00:00 PM | 33.4927 | 41.4237 | 7.931 | 44.739 | 34.68 | 1.1873 | 71.1027 | 34.3716 | 0.8789 | 74.0811 |
| 4/23/2025 | 5:00:00 PM | 33.4795 | 41.4134 | 7.9339 | 44.7361 | 34.6578 | 1.1783 | 71.1117 | 34.3702 | 0.8907 | 74.0693 |
| 4/23/2025 | 6:00:00 PM | 33.4738 | 41.4123 | 7.9385 | 44.7315 | 34.6436 | 1.1698 | 71.1202 | 34.3692 | 0.8954 | 74.0646 |
| 4/23/2025 | 7:00:00 PM | 33.4644 | 41.41 | 7.9456 | 44.7244 | 34.6294 | 1.165 | 71.125 | 34.3688 | 0.9044 | 74.0556 |
| 4/23/2025 | 8:00:00 PM | 33.4594 | 41.41 | 7.9506 | 44.7194 | 34.6155 | 1.1561 | 71.1339 | 34.3694 | 0.91 | 74.05 |
| 4/23/2025 | 9:00:00 PM | 33.4621 | 41.4158 | 7.9537 | 44.7163 | 34.6119 | 1.1498 | 71.1402 | 34.3707 | 0.9086 | 74.0514 |
| 4/23/2025 | 10:00:00 PM | 33.4672 | 41.4249 | 7.9577 | 44.7123 | 34.6117 | 1.1445 | 71.1455 | 34.3746 | 0.9074 | 74.0526 |
| 4/23/2025 | 11:00:00 PM | 33.4677 | 41.4261 | 7.9584 | 44.7116 | 34.6079 | 1.1402 | 71.1498 | 34.3764 | 0.9087 | 74.0513 |
| 4/24/2025 | 12:00:00 AM | 33.4737 | 41.4348 | 7.9611 | 44.7089 | 34.6075 | 1.1338 | 71.1562 | 34.3788 | 0.9051 | 74.0549 |
| 4/24/2025 | 1:00:00 AM | 33.4755 | 41.4405 | 7.965 | 44.705 | 34.6076 | 1.1321 | 71.1579 | 34.3815 | 0.906 | 74.054 |
| 4/24/2025 | 2:00:00 AM | 33.4712 | 41.4383 | 7.9671 | 44.7029 | 34.598 | 1.1268 | 71.1632 | 34.3804 | 0.9092 | 74.0508 |
| 4/24/2025 | 3:00:00 AM | 33.4611 | 41.4344 | 7.9733 | 44.6967 | 34.5846 | 1.1235 | 71.1665 | 34.3799 | 0.9188 | 74.0412 |
| 4/24/2025 | 4:00:00 AM | 33.4595 | 41.4356 | 7.9761 | 44.6939 | 34.5745 | 1.115 | 71.175 | 34.3814 | 0.9219 | 74.0381 |
| 4/24/2025 | 5:00:00 AM | 33.4533 | 41.4359 | 7.9826 | 44.6874 | 34.565 | 1.1117 | 71.1783 | 34.3819 | 0.9286 | 74.0314 |
| 4/24/2025 | 6:00:00 AM | 33.4484 | 41.433 | 7.9846 | 44.6854 | 34.5553 | 1.1069 | 71.1831 | 34.3813 | 0.9329 | 74.0271 |
| 4/24/2025 | 7:00:00 AM | 33.4443 | 41.4329 | 7.9886 | 44.6814 | 34.5451 | 1.1008 | 71.1892 | 34.3814 | 0.9371 | 74.0229 |
| 4/24/2025 | 8:00:00 AM | 33.4489 | 41.4401 | 7.9912 | 44.6788 | 34.5444 | 1.0955 | 71.1945 | 34.3835 | 0.9346 | 74.0254 |
| 4/24/2025 | 9:00:00 AM | 33.4396 | 41.4311 | 7.9915 | 44.6785 | 34.5322 | 1.0926 | 71.1974 | 34.3827 | 0.9431 | 74.0169 |
| 4/24/2025 | 10:00:00 AM | 33.4372 | 41.4322 | 7.995 | 44.675 | 34.5231 | 1.0859 | 71.2041 | 34.3812 | 0.944 | 74.016 |
| 4/24/2025 | 11:00:00 AM | 33.4269 | 41.4246 | 7.9977 | 44.6723 | 34.5076 | 1.0807 | 71.2093 | 34.3794 | 0.9525 | 74.0075 |
| 4/24/2025 | 12:00:00 PM | 33.4052 | 41.409 | 8.0038 | 44.6662 | 34.4834 | 1.0782 | 71.2118 | 34.3754 | 0.9702 | 73.9898 |
| 4/24/2025 | 1:00:00 PM | 33.3878 | 41.3962 | 8.0084 | 44.6616 | 34.4582 | 1.0704 | 71.2196 | 34.3726 | 0.9848 | 73.9752 |
| 4/24/2025 | 2:00:00 PM | 33.3731 | 41.3862 | 8.0131 | 44.6569 | 34.4347 | 1.0616 | 71.2284 | 34.3693 | 0.9962 | 73.9638 |
| 4/24/2025 | 3:00:00 PM | 33.362 | 41.3786 | 8.0166 | 44.6534 | 34.4146 | 1.0526 | 71.2374 | 34.3693 | 1.0073 | 73.9527 |
| 4/24/2025 | 4:00:00 PM | 33.3449 | 41.3721 | 8.0272 | 44.6428 | 34.3936 | 1.0487 | 71.2413 | 34.367 | 1.0221 | 73.9379 |
| 4/24/2025 | 5:00:00 PM | 33.3237 | 41.3605 | 8.0368 | 44.6332 | 34.3687 | 1.045 | 71.245 | 34.3651 | 1.0414 | 73.9186 |
| 4/24/2025 | 6:00:00 PM | 33.3113 | 41.3553 | 8.044 | 44.626 | 34.3503 | 1.039 | 71.251 | 34.3635 | 1.0522 | 73.9078 |
| 4/24/2025 | 7:00:00 PM | 33.2949 | 41.3474 | 8.0525 | 44.6175 | 34.33 | 1.0351 | 71.2549 | 34.3624 | 1.0675 | 73.8925 |
| 4/24/2025 | 8:00:00 PM | 33.2878 | 41.3485 | 8.0607 | 44.6093 | 34.3146 | 1.0268 | 71.2632 | 34.3634 | 1.0756 | 73.8844 |
| 4/24/2025 | 9:00:00 PM | 33.2972 | 41.361 | 8.0638 | 44.6062 | 34.3145 | 1.0173 | 71.2727 | 34.3672 | 1.07 | 73.89 |
| 4/24/2025 | 10:00:00 PM | 33.314 | 41.3798 | 8.0658 | 44.6042 | 34.324 | 1.01 | 71.28 | 34.3726 | 1.0586 | 73.9014 |
| 4/24/2025 | 11:00:00 PM | 33.329 | 41.3985 | 8.0695 | 44.6005 | 34.335 | 1.006 | 71.284 | 34.3768 | 1.0478 | 73.9122 |
| 4/25/2025 | 12:00:00 AM | 33.3293 | 41.4034 | 8.0741 | 44.5959 | 34.3338 | 1.0045 | 71.2855 | 34.3771 | 1.0478 | 73.9122 |
| 4/25/2025 | 1:00:00 AM | 33.3301 | 41.4064 | 8.0763 | 44.5937 | 34.3316 | 1.0015 | 71.2885 | 34.3779 | 1.0478 | 73.9122 |
| 4/25/2025 | 2:00:00 AM | 33.318 | 41.4008 | 8.0828 | 44.5872 | 34.3207 | 1.0027 | 71.2873 | 34.3743 | 1.0563 | 73.9037 |
| 4/25/2025 | 3:00:00 AM | 33.3022 | 41.3939 | 8.0917 | 44.5783 | 34.3067 | 1.0045 | 71.2855 | 34.371 | 1.0688 | 73.8912 |
| 4/25/2025 | 4:00:00 AM | 33.3023 | 41.3983 | 8.096 | 44.574 | 34.2996 | 0.9973 | 71.2927 | 34.3707 | 1.0684 | 73.8916 |
| 4/25/2025 | 5:00:00 AM | 33.2993 | 41.3968 | 8.0975 | 44.5725 | 34.2919 | 0.9926 | 71.2974 | 34.3715 | 1.0722 | 73.8878 |
| 4/25/2025 | 6:00:00 AM | 33.2975 | 41.3971 | 8.0996 | 44.5704 | 34.286 | 0.9885 | 71.3015 | 34.3717 | 1.0742 | 73.8858 |
| 4/25/2025 | 7:00:00 AM | 33.3066 | 41.4098 | 8.1032 | 44.5668 | 34.2872 | 0.9806 | 71.3094 | 34.3728 | 1.0662 | 73.8938 |
| 4/25/2025 | 8:00:00 AM | 33.3127 | 41.4174 | 8.1047 | 44.5653 | 34.2894 | 0.9767 | 71.3133 | 34.3749 | 1.0622 | 73.8978 |
| 4/25/2025 | 9:00:00 AM | 33.3187 | 41.4217 | 8.103 | 44.567 | 34.2895 | 0.9708 | 71.3192 | 34.3746 | 1.0559 | 73.9041 |
| 4/25/2025 | 10:00:00 AM | 33.3178 | 41.422 | 8.1042 | 44.5658 | 34.2857 | 0.9679 | 71.3221 | 34.3739 | 1.0561 | 73.9039 |
| 4/25/2025 | 11:00:00 AM | 33.3067 | 41.413 | 8.1063 | 44.5637 | 34.2731 | 0.9664 | 71.3236 | 34.3699 | 1.0632 | 73.8968 |
| 4/25/2025 | 12:00:00 PM | 33.293 | 41.4022 | 8.1092 | 44.5608 | 34.2598 | 0.9668 | 71.3232 | 34.3666 | 1.0736 | 73.8864 |
| 4/25/2025 | 1:00:00 PM | 33.2711 | 41.3851 | 8.114 | 44.556 | 34.2399 | 0.9688 | 71.3212 | 34.3626 | 1.0915 | 73.8685 |
| 4/25/2025 | 2:00:00 PM | 33.2511 | 41.3717 | 8.1206 | 44.5494 | 34.2196 | 0.9685 | 71.3215 | 34.359 | 1.1079 | 73.8521 |
| 4/25/2025 | 3:00:00 PM | 33.2332 | 41.3587 | 8.1255 | 44.5445 | 34.1994 | 0.9662 | 71.3238 | 34.3556 | 1.1224 | 73.8376 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/25/2025 | 4:00:00 PM | 33.219 | 41.3492 | 8.1302 | 44.5398 | 34.1801 | 0.9611 | 71.3289 | 34.3533 | 1.1343 | 73.8257 |
| 4/25/2025 | 5:00:00 PM | 33.2074 | 41.3452 | 8.1378 | 44.5322 | 34.1654 | 0.958 | 71.332 | 34.3536 | 1.1462 | 73.8138 |
| 4/25/2025 | 6:00:00 PM | 33.1976 | 41.3427 | 8.1451 | 44.5249 | 34.1521 | 0.9545 | 71.3355 | 34.3543 | 1.1567 | 73.8033 |
| 4/25/2025 | 7:00:00 PM | 33.1896 | 41.3398 | 8.1502 | 44.5198 | 34.1398 | 0.9502 | 71.3398 | 34.3542 | 1.1646 | 73.7954 |
| 4/25/2025 | 8:00:00 PM | 33.1975 | 41.3514 | 8.1539 | 44.5161 | 34.1367 | 0.9392 | 71.3508 | 34.3582 | 1.1607 | 73.7993 |
| 4/25/2025 | 9:00:00 PM | 33.2048 | 41.3626 | 8.1578 | 44.5122 | 34.1362 | 0.9314 | 71.3586 | 34.3614 | 1.1566 | 73.8034 |
| 4/25/2025 | 10:00:00 PM | 33.214 | 41.373 | 8.159 | 44.511 | 34.1368 | 0.9228 | 71.3672 | 34.3637 | 1.1497 | 73.8103 |
| 4/25/2025 | 11:00:00 PM | 33.2237 | 41.3861 | 8.1624 | 44.5076 | 34.1396 | 0.9159 | 71.3741 | 34.3657 | 1.142 | 73.818 |
| 4/26/2025 | 12:00:00 AM | 33.2335 | 41.3951 | 8.1616 | 44.5084 | 34.1408 | 0.9073 | 71.3827 | 34.3694 | 1.1359 | 73.8241 |
| 4/26/2025 | 1:00:00 AM | 33.2327 | 41.397 | 8.1643 | 44.5057 | 34.1391 | 0.9064 | 71.3836 | 34.3692 | 1.1365 | 73.8235 |
| 4/26/2025 | 2:00:00 AM | 33.2369 | 41.4019 | 8.165 | 44.505 | 34.1373 | 0.9004 | 71.3896 | 34.3699 | 1.133 | 73.827 |
| 4/26/2025 | 3:00:00 AM | 33.2451 | 41.413 | 8.1679 | 44.5021 | 34.139 | 0.8939 | 71.3961 | 34.3713 | 1.1262 | 73.8338 |
| 4/26/2025 | 4:00:00 AM | 33.2645 | 41.4314 | 8.1669 | 44.5031 | 34.1526 | 0.8881 | 71.4019 | 34.3772 | 1.1127 | 73.8473 |
| 4/26/2025 | 5:00:00 AM | 33.2819 | 41.4443 | 8.1624 | 44.5076 | 34.1618 | 0.8799 | 71.4101 | 34.3788 | 1.0969 | 73.8631 |
| 4/26/2025 | 6:00:00 AM | 33.2836 | 41.4447 | 8.1611 | 44.5089 | 34.1637 | 0.8801 | 71.4099 | 34.3768 | 1.0932 | 73.8668 |
| 4/26/2025 | 7:00:00 AM | 33.3042 | 41.4606 | 8.1564 | 44.5136 | 34.173 | 0.8688 | 71.4212 | 34.3798 | 1.0756 | 73.8844 |
| 4/26/2025 | 8:00:00 AM | 33.3154 | 41.4679 | 8.1525 | 44.5175 | 34.1816 | 0.8662 | 71.4238 | 34.3793 | 1.0639 | 73.8961 |
| 4/26/2025 | 9:00:00 AM | 33.3129 | 41.4609 | 8.148 | 44.522 | 34.1781 | 0.8652 | 71.4248 | 34.3766 | 1.0637 | 73.8963 |
| 4/26/2025 | 10:00:00 AM | 33.3147 | 41.4593 | 8.1446 | 44.5254 | 34.1747 | 0.86 | 71.43 | 34.3732 | 1.0585 | 73.9015 |
| 4/26/2025 | 11:00:00 AM | 33.3116 | 41.4543 | 8.1427 | 44.5273 | 34.1693 | 0.8577 | 71.4323 | 34.3703 | 1.0587 | 73.9013 |
| 4/26/2025 | 12:00:00 PM | 33.304 | 41.4488 | 8.1448 | 44.5252 | 34.1592 | 0.8552 | 71.4348 | 34.3675 | 1.0635 | 73.8965 |
| 4/26/2025 | 1:00:00 PM | 33.3003 | 41.4444 | 8.1441 | 44.5259 | 34.1498 | 0.8495 | 71.4405 | 34.3667 | 1.0664 | 73.8936 |
| 4/26/2025 | 2:00:00 PM | 33.2954 | 41.4344 | 8.139 | 44.531 | 34.1395 | 0.8441 | 71.4459 | 34.3643 | 1.0689 | 73.8911 |
| 4/26/2025 | 3:00:00 PM | 33.2938 | 41.4335 | 8.1397 | 44.5303 | 34.1319 | 0.8381 | 71.4519 | 34.3639 | 1.0701 | 73.8899 |
| 4/26/2025 | 4:00:00 PM | 33.2809 | 41.4233 | 8.1424 | 44.5276 | 34.1184 | 0.8375 | 71.4525 | 34.3616 | 1.0807 | 73.8793 |
| 4/26/2025 | 5:00:00 PM | 33.2791 | 41.4226 | 8.1435 | 44.5265 | 34.1106 | 0.8315 | 71.4585 | 34.3616 | 1.0825 | 73.8775 |
| 4/26/2025 | 6:00:00 PM | 33.2881 | 41.4293 | 8.1412 | 44.5288 | 34.1101 | 0.822 | 71.468 | 34.3642 | 1.0761 | 73.8839 |
| 4/26/2025 | 7:00:00 PM | 33.3012 | 41.4395 | 8.1383 | 44.5317 | 34.113 | 0.8118 | 71.4782 | 34.3683 | 1.0671 | 73.8929 |
| 4/26/2025 | 8:00:00 PM | 33.317 | 41.4507 | 8.1337 | 44.5363 | 34.1203 | 0.8033 | 71.4867 | 34.3723 | 1.0553 | 73.9047 |
| 4/26/2025 | 9:00:00 PM | 33.3348 | 41.4638 | 8.129 | 44.541 | 34.1289 | 0.7941 | 71.4959 | 34.375 | 1.0402 | 73.9198 |
| 4/26/2025 | 10:00:00 PM | 33.3474 | 41.4734 | 8.126 | 44.544 | 34.1385 | 0.7911 | 71.4989 | 34.376 | 1.0286 | 73.9314 |
| 4/26/2025 | 11:00:00 PM | 33.3634 | 41.4854 | 8.122 | 44.548 | 34.1481 | 0.7847 | 71.5053 | 34.3791 | 1.0157 | 73.9443 |
| 4/27/2025 | 12:00:00 AM | 33.3793 | 41.495 | 8.1157 | 44.5543 | 34.1587 | 0.7794 | 71.5106 | 34.3815 | 1.0022 | 73.9578 |
| 4/27/2025 | 1:00:00 AM | 33.3992 | 41.5092 | 8.11 | 44.56 | 34.1771 | 0.7779 | 71.5121 | 34.3836 | 0.9844 | 73.9756 |
| 4/27/2025 | 2:00:00 AM | 33.3911 | 41.4995 | 8.1084 | 44.5616 | 34.1757 | 0.7846 | 71.5054 | 34.3793 | 0.9882 | 73.9718 |
| 4/27/2025 | 3:00:00 AM | 33.3993 | 41.5026 | 8.1033 | 44.5667 | 34.1773 | 0.778 | 71.512 | 34.3783 | 0.979 | 73.981 |
| 4/27/2025 | 4:00:00 AM | 33.4126 | 41.5113 | 8.0987 | 44.5713 | 34.184 | 0.7714 | 71.5186 | 34.3798 | 0.9672 | 73.9928 |
| 4/27/2025 | 5:00:00 AM | 33.4277 | 41.5211 | 8.0934 | 44.5766 | 34.1952 | 0.7675 | 71.5225 | 34.3822 | 0.9545 | 74.0055 |
| 4/27/2025 | 6:00:00 AM | 33.4428 | 41.5301 | 8.0873 | 44.5827 | 34.2065 | 0.7637 | 71.5263 | 34.3828 | 0.94 | 74.02 |
| 4/27/2025 | 7:00:00 AM | 33.4512 | 41.53 | 8.0788 | 44.5912 | 34.2121 | 0.7609 | 71.5291 | 34.381 | 0.9298 | 74.0302 |
| 4/27/2025 | 8:00:00 AM | 33.465 | 41.5353 | 8.0703 | 44.5997 | 34.222 | 0.757 | 71.533 | 34.3813 | 0.9163 | 74.0437 |
| 4/27/2025 | 9:00:00 AM | 33.4757 | 41.5403 | 8.0646 | 44.6054 | 34.2303 | 0.7546 | 71.5354 | 34.3808 | 0.9051 | 74.0549 |
| 4/27/2025 | 10:00:00 AM | 33.4844 | 41.5407 | 8.0563 | 44.6137 | 34.2343 | 0.7499 | 71.5401 | 34.3806 | 0.8962 | 74.0638 |
| 4/27/2025 | 11:00:00 AM | 33.4933 | 41.5399 | 8.0466 | 44.6234 | 34.2376 | 0.7443 | 71.5457 | 34.3802 | 0.8869 | 74.0731 |
| 4/27/2025 | 12:00:00 PM | 33.4909 | 41.5337 | 8.0428 | 44.6272 | 34.2377 | 0.7468 | 71.5432 | 34.3763 | 0.8854 | 74.0746 |
| 4/27/2025 | 1:00:00 PM | 33.4996 | 41.5341 | 8.0345 | 44.6355 | 34.2388 | 0.7392 | 71.5508 | 34.377 | 0.8774 | 74.0826 |
| 4/27/2025 | 2:00:00 PM | 33.5051 | 41.534 | 8.0289 | 44.6411 | 34.2398 | 0.7347 | 71.5553 | 34.3765 | 0.8714 | 74.0886 |
| 4/27/2025 | 3:00:00 PM | 33.5105 | 41.5353 | 8.0248 | 44.6452 | 34.2423 | 0.7318 | 71.5582 | 34.3776 | 0.8671 | 74.0929 |
| 4/27/2025 | 4:00:00 PM | 33.5147 | 41.5332 | 8.0185 | 44.6515 | 34.242 | 0.7273 | 71.5627 | 34.3781 | 0.8634 | 74.0966 |
| 4/27/2025 | 5:00:00 PM | 33.5233 | 41.5338 | 8.0105 | 44.6595 | 34.246 | 0.7227 | 71.5673 | 34.3796 | 0.8563 | 74.1037 |
| 4/27/2025 | 6:00:00 PM | 33.5358 | 41.5404 | 8.0046 | 44.6654 | 34.2511 | 0.7153 | 71.5747 | 34.3805 | 0.8447 | 74.1153 |
| 4/27/2025 | 7:00:00 PM | 33.5474 | 41.5453 | 7.9979 | 44.6721 | 34.2586 | 0.7112 | 71.5788 | 34.3821 | 0.8347 | 74.1253 |
| 4/27/2025 | 8:00:00 PM | 33.566 | 41.5562 | 7.9902 | 44.6798 | 34.2711 | 0.7051 | 71.5849 | 34.3852 | 0.8192 | 74.1408 |
| 4/27/2025 | 9:00:00 PM | 33.5935 | 41.5734 | 7.9799 | 44.6901 | 34.3075 | 0.714 | 71.576 | 34.3913 | 0.7978 | 74.1622 |
| 4/27/2025 | 10:00:00 PM | 33.6182 | 41.5884 | 7.9702 | 44.6998 | 34.3266 | 0.7084 | 71.5816 | 34.3938 | 0.7756 | 74.1844 |
| 4/27/2025 | 11:00:00 PM | 33.6375 | 41.5968 | 7.9593 | 44.7107 | 34.344 | 0.7065 | 71.5835 | 34.3958 | 0.7583 | 74.2017 |
| 4/28/2025 | 12:00:00 AM | 33.6539 | 41.6031 | 7.9492 | 44.7208 | 34.3574 | 0.7035 | 71.5865 | 34.396 | 0.7421 | 74.2179 |
| 4/28/2025 | 1:00:00 AM | 33.6759 | 41.6136 | 7.9377 | 44.7323 | 34.3746 | 0.6987 | 71.5913 | 34.3981 | 0.7222 | 74.2378 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/28/2025 | 2:00:00 AM | 33.6816 | 41.6125 | 7.9309 | 44.7391 | 34.3808 | 0.6992 | 71.5908 | 34.3978 | 0.7162 | 74.2438 |
| 4/28/2025 | 3:00:00 AM | 33.6906 | 41.6123 | 7.9217 | 44.7483 | 34.3842 | 0.6936 | 71.5964 | 34.3956 | 0.705 | 74.255 |
| 4/28/2025 | 4:00:00 AM | 33.7025 | 41.6173 | 7.9148 | 44.7552 | 34.3936 | 0.6911 | 71.5989 | 34.3961 | 0.6936 | 74.2664 |
| 4/28/2025 | 5:00:00 AM | 33.6986 | 41.6074 | 7.9088 | 44.7612 | 34.3905 | 0.6919 | 71.5981 | 34.394 | 0.6954 | 74.2646 |
| 4/28/2025 | 6:00:00 AM | 33.7009 | 41.6033 | 7.9024 | 44.7676 | 34.3884 | 0.6875 | 71.6025 | 34.3921 | 0.6912 | 74.2688 |
| 4/28/2025 | 7:00:00 AM | 33.7189 | 41.6128 | 7.8939 | 44.7761 | 34.3992 | 0.6803 | 71.6097 | 34.3958 | 0.6769 | 74.2831 |
| 4/28/2025 | 8:00:00 AM | 33.7342 | 41.6175 | 7.8833 | 44.7867 | 34.4117 | 0.6775 | 71.6125 | 34.3967 | 0.6625 | 74.2975 |
| 4/28/2025 | 9:00:00 AM | 33.7412 | 41.6168 | 7.8756 | 44.7944 | 34.4156 | 0.6744 | 71.6156 | 34.3944 | 0.6532 | 74.3068 |
| 4/28/2025 | 10:00:00 AM | 33.7507 | 41.6175 | 7.8668 | 44.8032 | 34.4216 | 0.6709 | 71.6191 | 34.3938 | 0.6431 | 74.3169 |
| 4/28/2025 | 11:00:00 AM | 33.757 | 41.6139 | 7.8569 | 44.8131 | 34.4254 | 0.6684 | 71.6216 | 34.3917 | 0.6347 | 74.3253 |
| 4/28/2025 | 12:00:00 PM | 33.7617 | 41.6115 | 7.8498 | 44.8202 | 34.4271 | 0.6654 | 71.6246 | 34.3898 | 0.6281 | 74.3319 |
| 4/28/2025 | 1:00:00 PM | 33.7586 | 41.5998 | 7.8412 | 44.8288 | 34.4225 | 0.6639 | 71.6261 | 34.3864 | 0.6278 | 74.3322 |
| 4/28/2025 | 2:00:00 PM | 33.7619 | 41.5976 | 7.8357 | 44.8343 | 34.4217 | 0.6598 | 71.6302 | 34.3854 | 0.6235 | 74.3365 |
| 4/28/2025 | 3:00:00 PM | 33.761 | 41.591 | 7.83 | 44.84 | 34.4173 | 0.6563 | 71.6337 | 34.3825 | 0.6215 | 74.3385 |
| 4/28/2025 | 4:00:00 PM | 33.7441 | 41.5721 | 7.828 | 44.842 | 34.4041 | 0.66 | 71.63 | 34.3777 | 0.6336 | 74.3264 |
| 4/28/2025 | 5:00:00 PM | 33.7341 | 41.5596 | 7.8255 | 44.8445 | 34.392 | 0.6579 | 71.6321 | 34.3754 | 0.6413 | 74.3187 |
| 4/28/2025 | 6:00:00 PM | 33.7287 | 41.553 | 7.8243 | 44.8457 | 34.3849 | 0.6562 | 71.6338 | 34.3764 | 0.6477 | 74.3123 |
| 4/28/2025 | 7:00:00 PM | 33.7126 | 41.5379 | 7.8253 | 44.8447 | 34.3699 | 0.6573 | 71.6327 | 34.3726 | 0.66 | 74.3 |
| 4/28/2025 | 8:00:00 PM | 33.7015 | 41.5277 | 7.8262 | 44.8438 | 34.3582 | 0.6567 | 71.6333 | 34.3711 | 0.6696 | 74.2904 |
| 4/28/2025 | 9:00:00 PM | 33.6988 | 41.5246 | 7.8258 | 44.8442 | 34.3494 | 0.6506 | 71.6394 | 34.3713 | 0.6725 | 74.2875 |
| 4/28/2025 | 10:00:00 PM | 33.6889 | 41.5151 | 7.8262 | 44.8438 | 34.3369 | 0.648 | 71.642 | 34.3707 | 0.6818 | 74.2782 |
| 4/28/2025 | 11:00:00 PM | 33.6816 | 41.5088 | 7.8272 | 44.8428 | 34.3247 | 0.6431 | 71.6469 | 34.369 | 0.6874 | 74.2726 |
| 4/29/2025 | 12:00:00 AM | 33.6678 | 41.4999 | 7.8321 | 44.8379 | 34.3092 | 0.6414 | 71.6486 | 34.3675 | 0.6997 | 74.2603 |
| 4/29/2025 | 1:00:00 AM | 33.662 | 41.4909 | 7.8289 | 44.8411 | 34.2927 | 0.6307 | 71.6593 | 34.3658 | 0.7038 | 74.2562 |
| 4/29/2025 | 2:00:00 AM | 33.6516 | 41.4837 | 7.8321 | 44.8379 | 34.2825 | 0.6309 | 71.6591 | 34.3624 | 0.7108 | 74.2492 |
| 4/29/2025 | 3:00:00 AM | 33.6383 | 41.4757 | 7.8374 | 44.8326 | 34.2703 | 0.632 | 71.658 | 34.3597 | 0.7214 | 74.2386 |
| 4/29/2025 | 4:00:00 AM | 33.6322 | 41.4704 | 7.8382 | 44.8318 | 34.2624 | 0.6302 | 71.6598 | 34.3591 | 0.7269 | 74.2331 |
| 4/29/2025 | 5:00:00 AM | 33.6305 | 41.4714 | 7.8409 | 44.8291 | 34.2562 | 0.6257 | 71.6643 | 34.3611 | 0.7306 | 74.2294 |
| 4/29/2025 | 6:00:00 AM | 33.6254 | 41.4682 | 7.8428 | 44.8272 | 34.2487 | 0.6233 | 71.6667 | 34.3594 | 0.734 | 74.226 |
| 4/29/2025 | 7:00:00 AM | 33.6338 | 41.4752 | 7.8414 | 44.8286 | 34.2485 | 0.6147 | 71.6753 | 34.3625 | 0.7287 | 74.2313 |
| 4/29/2025 | 8:00:00 AM | 33.63 | 41.4731 | 7.8431 | 44.8269 | 34.2448 | 0.6148 | 71.6752 | 34.3624 | 0.7324 | 74.2276 |
| 4/29/2025 | 9:00:00 AM | 33.6464 | 41.4859 | 7.8395 | 44.8305 | 34.25 | 0.6036 | 71.6864 | 34.3649 | 0.7185 | 74.2415 |
| 4/29/2025 | 10:00:00 AM | 33.6454 | 41.4839 | 7.8385 | 44.8315 | 34.2472 | 0.6018 | 71.6882 | 34.3646 | 0.7192 | 74.2408 |
| 4/29/2025 | 11:00:00 AM | 33.6431 | 41.4795 | 7.8364 | 44.8336 | 34.2425 | 0.5994 | 71.6906 | 34.3631 | 0.72 | 74.24 |
| 4/29/2025 | 12:00:00 PM | 33.6545 | 41.487 | 7.8325 | 44.8375 | 34.2449 | 0.5904 | 71.6996 | 34.3634 | 0.7089 | 74.2511 |
| 4/29/2025 | 1:00:00 PM | 33.6507 | 41.4819 | 7.8312 | 44.8388 | 34.2409 | 0.5902 | 71.6998 | 34.3629 | 0.7122 | 74.2478 |
| 4/29/2025 | 2:00:00 PM | 33.6469 | 41.4775 | 7.8306 | 44.8394 | 34.2349 | 0.588 | 71.702 | 34.361 | 0.7141 | 74.2459 |
| 4/29/2025 | 3:00:00 PM | 33.6496 | 41.4787 | 7.8291 | 44.8409 | 34.2315 | 0.5819 | 71.7081 | 34.3617 | 0.7121 | 74.2479 |
| 4/29/2025 | 4:00:00 PM | 33.6531 | 41.4814 | 7.8283 | 44.8417 | 34.2293 | 0.5762 | 71.7138 | 34.3624 | 0.7093 | 74.2507 |
| 4/29/2025 | 5:00:00 PM | 33.6692 | 41.4946 | 7.8254 | 44.8446 | 34.2337 | 0.5645 | 71.7255 | 34.3663 | 0.6971 | 74.2629 |
| 4/29/2025 | 6:00:00 PM | 33.665 | 41.4911 | 7.8261 | 44.8439 | 34.2298 | 0.5648 | 71.7252 | 34.3662 | 0.7012 | 74.2588 |
| 4/29/2025 | 7:00:00 PM | 33.6668 | 41.4912 | 7.8244 | 44.8456 | 34.2264 | 0.5596 | 71.7304 | 34.367 | 0.7002 | 74.2598 |
| 4/29/2025 | 8:00:00 PM | 33.6684 | 41.4919 | 7.8235 | 44.8465 | 34.2248 | 0.5564 | 71.7336 | 34.3654 | 0.697 | 74.263 |
| 4/29/2025 | 9:00:00 PM | 33.6885 | 41.5079 | 7.8194 | 44.8506 | 34.2337 | 0.5452 | 71.7448 | 34.3723 | 0.6838 | 74.2762 |
| 4/29/2025 | 10:00:00 PM | 33.6985 | 41.5155 | 7.817 | 44.853 | 34.2388 | 0.5403 | 71.7497 | 34.3721 | 0.6736 | 74.2864 |
| 4/29/2025 | 11:00:00 PM | 33.703 | 41.5154 | 7.8124 | 44.8576 | 34.2422 | 0.5392 | 71.7508 | 34.3702 | 0.6672 | 74.2928 |
| 4/30/2025 | 12:00:00 AM | 33.7052 | 41.5155 | 7.8103 | 44.8597 | 34.2413 | 0.5361 | 71.7539 | 34.3692 | 0.664 | 74.296 |
| 4/30/2025 | 1:00:00 AM | 33.7035 | 41.5134 | 7.8099 | 44.8601 | 34.2403 | 0.5368 | 71.7532 | 34.3669 | 0.6634 | 74.2966 |
| 4/30/2025 | 2:00:00 AM | 33.7079 | 41.5119 | 7.804 | 44.866 | 34.2402 | 0.5323 | 71.7577 | 34.3652 | 0.6573 | 74.3027 |
| 4/30/2025 | 3:00:00 AM | 33.6986 | 41.5037 | 7.8051 | 44.8649 | 34.2329 | 0.5343 | 71.7557 | 34.363 | 0.6644 | 74.2956 |
| 4/30/2025 | 4:00:00 AM | 33.6874 | 41.4949 | 7.8075 | 44.8625 | 34.2248 | 0.5374 | 71.7526 | 34.3586 | 0.6712 | 74.2888 |
| 4/30/2025 | 5:00:00 AM | 33.6882 | 41.4931 | 7.8049 | 44.8651 | 34.2221 | 0.5339 | 71.7561 | 34.3593 | 0.6711 | 74.2889 |
| 4/30/2025 | 6:00:00 AM | 33.6981 | 41.4997 | 7.8016 | 44.8684 | 34.2226 | 0.5245 | 71.7655 | 34.3643 | 0.6662 | 74.2938 |
| 4/30/2025 | 7:00:00 AM | 33.7068 | 41.505 | 7.7982 | 44.8718 | 34.2271 | 0.5203 | 71.7697 | 34.3674 | 0.6606 | 74.2994 |
| 4/30/2025 | 8:00:00 AM | 33.715 | 41.5091 | 7.7941 | 44.8759 | 34.2322 | 0.5172 | 71.7728 | 34.3675 | 0.6525 | 74.3075 |
| 4/30/2025 | 9:00:00 AM | 33.7121 | 41.5052 | 7.7931 | 44.8769 | 34.2297 | 0.5176 | 71.7724 | 34.3661 | 0.654 | 74.306 |
| 4/30/2025 | 10:00:00 AM | 33.7017 | 41.4936 | 7.7919 | 44.8781 | 34.221 | 0.5193 | 71.7707 | 34.3613 | 0.6596 | 74.3004 |
| 4/30/2025 | 11:00:00 AM | 33.6921 | 41.4847 | 7.7926 | 44.8774 | 34.2116 | 0.5195 | 71.7705 | 34.3575 | 0.6654 | 74.2946 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/30/2025 | 12:00:00 PM | 33.6819 | 41.4753 | 7.7934 | 44.8766 | 34.2015 | 0.5196 | 71.7704 | 34.3558 | 0.6739 | 74.2861 |
| 4/30/2025 | 1:00:00 PM | 33.6673 | 41.4603 | 7.793 | 44.877 | 34.1882 | 0.5209 | 71.7691 | 34.3515 | 0.6842 | 74.2758 |
| 4/30/2025 | 2:00:00 PM | 33.6563 | 41.4502 | 7.7939 | 44.8761 | 34.1745 | 0.5182 | 71.7718 | 34.3489 | 0.6926 | 74.2674 |
| 4/30/2025 | 3:00:00 PM | 33.6439 | 41.4416 | 7.7977 | 44.8723 | 34.1619 | 0.518 | 71.772 | 34.3485 | 0.7046 | 74.2554 |
| 4/30/2025 | 4:00:00 PM | 33.621 | 41.4243 | 7.8033 | 44.8667 | 34.1437 | 0.5227 | 71.7673 | 34.3435 | 0.7225 | 74.2375 |
| 4/30/2025 | 5:00:00 PM | 33.5998 | 41.4088 | 7.809 | 44.861 | 34.1246 | 0.5248 | 71.7652 | 34.3395 | 0.7397 | 74.2203 |
| 4/30/2025 | 6:00:00 PM | 33.5881 | 41.4042 | 7.8161 | 44.8539 | 34.1114 | 0.5233 | 71.7667 | 34.3405 | 0.7524 | 74.2076 |
| 4/30/2025 | 7:00:00 PM | 33.5825 | 41.4031 | 7.8206 | 44.8494 | 34.1029 | 0.5204 | 71.7696 | 34.3426 | 0.7601 | 74.1999 |
| 4/30/2025 | 8:00:00 PM | 33.5909 | 41.4121 | 7.8212 | 44.8488 | 34.101 | 0.5101 | 71.7799 | 34.3595 | 0.7686 | 74.1914 |
| 4/30/2025 | 9:00:00 PM | 33.5998 | 41.4234 | 7.8236 | 44.8464 | 34.1031 | 0.5033 | 71.7867 | 34.3669 | 0.7671 | 74.1929 |
| 4/30/2025 | 10:00:00 PM | 33.6018 | 41.4293 | 7.8275 | 44.8425 | 34.1034 | 0.5016 | 71.7884 | 34.3679 | 0.7661 | 74.1939 |
| 4/30/2025 | 11:00:00 PM | 33.5914 | 41.4226 | 7.8312 | 44.8388 | 34.0965 | 0.5051 | 71.7849 | 34.3657 | 0.7743 | 74.1857 |
| 5/1/2025 | 12:00:00 AM | 33.5828 | 41.418 | 7.8352 | 44.8348 | 34.0883 | 0.5055 | 71.7845 | 34.3616 | 0.7788 | 74.1812 |
| 5/1/2025 | 1:00:00 AM | 33.5771 | 41.4158 | 7.8387 | 44.8313 | 34.0811 | 0.504 | 71.786 | 34.3606 | 0.7835 | 74.1765 |
| 5/1/2025 | 2:00:00 AM | 33.5656 | 41.4103 | 7.8447 | 44.8253 | 34.0728 | 0.5072 | 71.7828 | 34.3589 | 0.7933 | 74.1667 |
| 5/1/2025 | 3:00:00 AM | 33.5593 | 41.4099 | 7.8506 | 44.8194 | 34.0665 | 0.5072 | 71.7828 | 34.3573 | 0.798 | 74.162 |
| 5/1/2025 | 4:00:00 AM | 33.5541 | 41.4072 | 7.8531 | 44.8169 | 34.0599 | 0.5058 | 71.7842 | 34.357 | 0.8029 | 74.1571 |
| 5/1/2025 | 5:00:00 AM | 33.5487 | 41.4044 | 7.8557 | 44.8143 | 34.0534 | 0.5047 | 71.7853 | 34.3562 | 0.8075 | 74.1525 |
| 5/1/2025 | 6:00:00 AM | 33.5325 | 41.395 | 7.8625 | 44.8075 | 34.0412 | 0.5087 | 71.7813 | 34.3527 | 0.8202 | 74.1398 |
| 5/1/2025 | 7:00:00 AM | 33.5241 | 41.3919 | 7.8678 | 44.8022 | 34.0315 | 0.5074 | 71.7826 | 34.3524 | 0.8283 | 74.1317 |
| 5/1/2025 | 8:00:00 AM | 33.5234 | 41.3943 | 7.8709 | 44.7991 | 34.0268 | 0.5034 | 71.7866 | 34.3538 | 0.8304 | 74.1296 |
| 5/1/2025 | 9:00:00 AM | 33.5011 | 41.3791 | 7.878 | 44.792 | 34.012 | 0.5109 | 71.7791 | 34.3488 | 0.8477 | 74.1123 |
| 5/1/2025 | 10:00:00 AM | 33.4862 | 41.3679 | 7.8817 | 44.7883 | 33.9978 | 0.5116 | 71.7784 | 34.3468 | 0.8606 | 74.0994 |
| 5/1/2025 | 11:00:00 AM | 33.4731 | 41.3622 | 7.8891 | 44.7809 | 33.9838 | 0.5107 | 71.7793 | 34.3442 | 0.8711 | 74.0889 |
| 5/1/2025 | 12:00:00 PM | 33.4597 | 41.3522 | 7.8925 | 44.7775 | 33.9696 | 0.5099 | 71.7801 | 34.3419 | 0.8822 | 74.0778 |
| 5/1/2025 | 1:00:00 PM | 33.4373 | 41.3376 | 7.9003 | 44.7697 | 33.9491 | 0.5118 | 71.7782 | 34.3381 | 0.9008 | 74.0592 |
| 5/1/2025 | 2:00:00 PM | 33.4184 | 41.3249 | 7.9065 | 44.7635 | 33.9296 | 0.5112 | 71.7788 | 34.3356 | 0.9172 | 74.0428 |
| 5/1/2025 | 3:00:00 PM | 33.3962 | 41.3133 | 7.9171 | 44.7529 | 33.9049 | 0.5087 | 71.7813 | 34.3318 | 0.9356 | 74.0244 |
| 5/1/2025 | 4:00:00 PM | 33.3666 | 41.2919 | 7.9253 | 44.7447 | 33.8796 | 0.513 | 71.777 | 34.3271 | 0.9605 | 73.9995 |
| 5/1/2025 | 5:00:00 PM | 33.3441 | 41.2807 | 7.9366 | 44.7334 | 33.8598 | 0.5157 | 71.7743 | 34.3261 | 0.982 | 73.978 |
| 5/1/2025 | 6:00:00 PM | 33.3249 | 41.2713 | 7.9464 | 44.7236 | 33.838 | 0.5131 | 71.7769 | 34.324 | 0.9991 | 73.9609 |
| 5/1/2025 | 7:00:00 PM | 33.3047 | 41.2652 | 7.9605 | 44.7095 | 33.8204 | 0.5157 | 71.7743 | 34.3242 | 1.0195 | 73.9405 |
| 5/1/2025 | 8:00:00 PM | 33.2968 | 41.267 | 7.9702 | 44.6998 | 33.8103 | 0.5135 | 71.7765 | 34.3255 | 1.0287 | 73.9313 |
| 5/1/2025 | 9:00:00 PM | 33.2987 | 41.2761 | 7.9774 | 44.6926 | 33.8108 | 0.5121 | 71.7779 | 34.3314 | 1.0327 | 73.9273 |
| 5/1/2025 | 10:00:00 PM | 33.3018 | 41.2871 | 7.9853 | 44.6847 | 33.811 | 0.5092 | 71.7808 | 34.3354 | 1.0336 | 73.9264 |
| 5/1/2025 | 11:00:00 PM | 33.2967 | 41.2928 | 7.9961 | 44.6739 | 33.8071 | 0.5104 | 71.7796 | 34.3366 | 1.0399 | 73.9201 |
| 5/2/2025 | 12:00:00 AM | 33.2848 | 41.2883 | 8.0035 | 44.6665 | 33.7975 | 0.5127 | 71.7773 | 34.3345 | 1.0497 | 73.9103 |
| 5/2/2025 | 1:00:00 AM | 33.2816 | 41.2914 | 8.0098 | 44.6602 | 33.7933 | 0.5117 | 71.7783 | 34.3341 | 1.0525 | 73.9075 |
| 5/2/2025 | 2:00:00 AM | 33.2766 | 41.2954 | 8.0188 | 44.6512 | 33.7887 | 0.5121 | 71.7779 | 34.335 | 1.0584 | 73.9016 |
| 5/2/2025 | 3:00:00 AM | 33.2715 | 41.2967 | 8.0252 | 44.6448 | 33.7836 | 0.5121 | 71.7779 | 34.336 | 1.0645 | 73.8955 |
| 5/2/2025 | 4:00:00 AM | 33.2786 | 41.3083 | 8.0297 | 44.6403 | 33.7876 | 0.509 | 71.781 | 34.3365 | 1.0579 | 73.9021 |
| 5/2/2025 | 5:00:00 AM | 33.3038 | 41.333 | 8.0292 | 44.6408 | 33.8065 | 0.5027 | 71.7873 | 34.3438 | 1.04 | 73.92 |
| 5/2/2025 | 6:00:00 AM | 33.3147 | 41.3455 | 8.0308 | 44.6392 | 33.8131 | 0.4984 | 71.7916 | 34.3462 | 1.0315 | 73.9285 |
| 5/2/2025 | 7:00:00 AM | 33.3252 | 41.3567 | 8.0315 | 44.6385 | 33.8201 | 0.4949 | 71.7951 | 34.3477 | 1.0225 | 73.9375 |
| 5/2/2025 | 8:00:00 AM | 33.3267 | 41.3668 | 8.0401 | 44.6299 | 33.8209 | 0.4942 | 71.7958 | 34.349 | 1.0223 | 73.9377 |
| 5/2/2025 | 9:00:00 AM | 33.3275 | 41.3668 | 8.0393 | 44.6307 | 33.8207 | 0.4932 | 71.7968 | 34.3465 | 1.019 | 73.941 |
| 5/2/2025 | 10:00:00 AM | 33.319 | 41.3606 | 8.0416 | 44.6284 | 33.8132 | 0.4942 | 71.7958 | 34.3433 | 1.0243 | 73.9357 |
| 5/2/2025 | 11:00:00 AM | 33.3237 | 41.3658 | 8.0421 | 44.6279 | 33.8136 | 0.4899 | 71.8001 | 34.3437 | 1.02 | 73.94 |
| 5/2/2025 | 12:00:00 PM | 33.3144 | 41.3572 | 8.0428 | 44.6272 | 33.805 | 0.4906 | 71.7994 | 34.3418 | 1.0274 | 73.9326 |
| 5/2/2025 | 1:00:00 PM | 33.3088 | 41.3533 | 8.0445 | 44.6255 | 33.7975 | 0.4887 | 71.8013 | 34.3397 | 1.0309 | 73.9291 |
| 5/2/2025 | 2:00:00 PM | 33.3072 | 41.3522 | 8.045 | 44.625 | 33.7945 | 0.4873 | 71.8027 | 34.3387 | 1.0315 | 73.9285 |
| 5/2/2025 | 3:00:00 PM | 33.3171 | 41.3614 | 8.0443 | 44.6257 | 33.7973 | 0.4802 | 71.8098 | 34.3402 | 1.0231 | 73.9369 |
| 5/2/2025 | 4:00:00 PM | 33.3276 | 41.3713 | 8.0437 | 44.6263 | 33.8036 | 0.476 | 71.814 | 34.3439 | 1.0163 | 73.9437 |
| 5/2/2025 | 5:00:00 PM | 33.3441 | 41.3837 | 8.0396 | 44.6304 | 33.8136 | 0.4695 | 71.8205 | 34.3499 | 1.0058 | 73.9542 |
| 5/2/2025 | 6:00:00 PM | 33.3679 | 41.4048 | 8.0369 | 44.6331 | 33.8323 | 0.4644 | 71.8256 | 34.3551 | 0.9872 | 73.9728 |
| 5/2/2025 | 7:00:00 PM | 33.3769 | 41.4114 | 8.0345 | 44.6355 | 33.8373 | 0.4604 | 71.8296 | 34.3549 | 0.978 | 73.982 |
| 5/2/2025 | 8:00:00 PM | 33.387 | 41.4183 | 8.0313 | 44.6387 | 33.8434 | 0.4564 | 71.8336 | 34.3571 | 0.9701 | 73.9899 |
| 5/2/2025 | 9:00:00 PM | 33.4066 | 41.4362 | 8.0296 | 44.6404 | 33.8605 | 0.4539 | 71.8361 | 34.3619 | 0.9553 | 74.0047 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/2/2025 | 10:00:00 PM | 33.4187 | 41.4433 | 8.0246 | 44.6454 | 33.8722 | 0.4535 | 71.8365 | 34.365 | 0.9463 | 74.0137 |
| 5/2/2025 | 11:00:00 PM | 33.4403 | 41.4599 | 8.0196 | 44.6504 | 33.8882 | 0.4479 | 71.8421 | 34.3687 | 0.9284 | 74.0316 |
| 5/3/2025 | 12:00:00 AM | 33.4489 | 41.466 | 8.0171 | 44.6529 | 33.8965 | 0.4476 | 71.8424 | 34.3686 | 0.9197 | 74.0403 |
| 5/3/2025 | 1:00:00 AM | 33.4548 | 41.4701 | 8.0153 | 44.6547 | 33.9005 | 0.4457 | 71.8443 | 34.3678 | 0.913 | 74.047 |
| 5/3/2025 | 2:00:00 AM | 33.4643 | 41.4739 | 8.0096 | 44.6604 | 33.9078 | 0.4435 | 71.8465 | 34.3669 | 0.9026 | 74.0574 |
| 5/3/2025 | 3:00:00 AM | 33.4775 | 41.4827 | 8.0052 | 44.6648 | 33.9176 | 0.4401 | 71.8499 | 34.3694 | 0.8919 | 74.0681 |
| 5/3/2025 | 4:00:00 AM | 33.4844 | 41.4854 | 8.001 | 44.669 | 33.9244 | 0.44 | 71.85 | 34.3677 | 0.8833 | 74.0767 |
| 5/3/2025 | 5:00:00 AM | 33.496 | 41.4937 | 7.9977 | 44.6723 | 33.933 | 0.437 | 71.853 | 34.3693 | 0.8733 | 74.0867 |
| 5/3/2025 | 6:00:00 AM | 33.5132 | 41.5045 | 7.9913 | 44.6787 | 33.9477 | 0.4345 | 71.8555 | 34.3727 | 0.8595 | 74.1005 |
| 5/3/2025 | 7:00:00 AM | 33.5302 | 41.514 | 7.9838 | 44.6862 | 33.9593 | 0.4291 | 71.8609 | 34.3745 | 0.8443 | 74.1157 |
| 5/3/2025 | 8:00:00 AM | 33.5411 | 41.5182 | 7.9771 | 44.6929 | 33.9692 | 0.4281 | 71.8619 | 34.3749 | 0.8338 | 74.1262 |
| 5/3/2025 | 9:00:00 AM | 33.5466 | 41.5173 | 7.9707 | 44.6993 | 33.9725 | 0.4259 | 71.8641 | 34.3733 | 0.8267 | 74.1333 |
| 5/3/2025 | 10:00:00 AM | 33.5603 | 41.5235 | 7.9632 | 44.7068 | 33.9819 | 0.4216 | 71.8684 | 34.3741 | 0.8138 | 74.1462 |
| 5/3/2025 | 11:00:00 AM | 33.568 | 41.5253 | 7.9573 | 44.7127 | 33.9871 | 0.4191 | 71.8709 | 34.3742 | 0.8062 | 74.1538 |
| 5/3/2025 | 12:00:00 PM | 33.5756 | 41.5261 | 7.9505 | 44.7195 | 33.9908 | 0.4152 | 71.8748 | 34.3746 | 0.799 | 74.161 |
| 5/3/2025 | 1:00:00 PM | 33.5705 | 41.5161 | 7.9456 | 44.7244 | 33.9862 | 0.4157 | 71.8743 | 34.3705 | 0.8 | 74.16 |
| 5/3/2025 | 2:00:00 PM | 33.5816 | 41.5216 | 7.94 | 44.73 | 33.9899 | 0.4083 | 71.8817 | 34.3721 | 0.7905 | 74.1695 |
| 5/3/2025 | 3:00:00 PM | 33.5838 | 41.5202 | 7.9364 | 44.7336 | 33.9912 | 0.4074 | 71.8826 | 34.3719 | 0.7881 | 74.1719 |
| 5/3/2025 | 4:00:00 PM | 33.5882 | 41.519 | 7.9308 | 44.7392 | 33.9917 | 0.4035 | 71.8865 | 34.371 | 0.7828 | 74.1772 |
| 5/3/2025 | 5:00:00 PM | 33.5982 | 41.5198 | 7.9216 | 44.7484 | 33.9943 | 0.3961 | 71.8939 | 34.371 | 0.7728 | 74.1872 |
| 5/3/2025 | 6:00:00 PM | 33.6036 | 41.5221 | 7.9185 | 44.7515 | 33.9993 | 0.3957 | 71.8943 | 34.372 | 0.7684 | 74.1916 |
| 5/3/2025 | 7:00:00 PM | 33.5954 | 41.5134 | 7.918 | 44.752 | 33.992 | 0.3966 | 71.8934 | 34.3684 | 0.773 | 74.187 |
| 5/3/2025 | 8:00:00 PM | 33.5973 | 41.5112 | 7.9139 | 44.7561 | 33.9904 | 0.3931 | 71.8969 | 34.3681 | 0.7708 | 74.1892 |
| 5/3/2025 | 9:00:00 PM | 33.6192 | 41.5261 | 7.9069 | 44.7631 | 34.0044 | 0.3852 | 71.9048 | 34.3761 | 0.7569 | 74.2031 |
| 5/3/2025 | 10:00:00 PM | 33.6239 | 41.5288 | 7.9049 | 44.7651 | 34.0097 | 0.3858 | 71.9042 | 34.3777 | 0.7538 | 74.2062 |
| 5/3/2025 | 11:00:00 PM | 33.6264 | 41.5279 | 7.9015 | 44.7685 | 34.0098 | 0.3834 | 71.9066 | 34.3765 | 0.7501 | 74.2099 |
| 5/4/2025 | 12:00:00 AM | 33.636 | 41.5334 | 7.8974 | 44.7726 | 34.0135 | 0.3775 | 71.9125 | 34.3789 | 0.7429 | 74.2171 |
| 5/4/2025 | 1:00:00 AM | 33.6467 | 41.5378 | 7.8911 | 44.7789 | 34.0197 | 0.373 | 71.917 | 34.3808 | 0.7341 | 74.2259 |
| 5/4/2025 | 2:00:00 AM | 33.6538 | 41.5398 | 7.886 | 44.784 | 34.0258 | 0.372 | 71.918 | 34.3818 | 0.728 | 74.232 |
| 5/4/2025 | 3:00:00 AM | 33.6557 | 41.5401 | 7.8844 | 44.7856 | 34.0261 | 0.3704 | 71.9196 | 34.3807 | 0.725 | 74.235 |
| 5/4/2025 | 4:00:00 AM | 33.6645 | 41.5438 | 7.8793 | 44.7907 | 34.0314 | 0.3669 | 71.9231 | 34.3818 | 0.7173 | 74.2427 |
| 5/4/2025 | 5:00:00 AM | 33.6646 | 41.5404 | 7.8758 | 44.7942 | 34.0302 | 0.3656 | 71.9244 | 34.3806 | 0.716 | 74.244 |
| 5/4/2025 | 6:00:00 AM | 33.6768 | 41.5478 | 7.871 | 44.799 | 34.0368 | 0.36 | 71.93 | 34.3838 | 0.707 | 74.253 |
| 5/4/2025 | 7:00:00 AM | 33.6944 | 41.5573 | 7.8629 | 44.8071 | 34.0478 | 0.3534 | 71.9366 | 34.3867 | 0.6923 | 74.2677 |
| 5/4/2025 | 8:00:00 AM | 33.7074 | 41.5654 | 7.858 | 44.812 | 34.06 | 0.3526 | 71.9374 | 34.3884 | 0.681 | 74.279 |
| 5/4/2025 | 9:00:00 AM | 33.7146 | 41.5661 | 7.8515 | 44.8185 | 34.0636 | 0.349 | 71.941 | 34.3874 | 0.6728 | 74.2872 |
| 5/4/2025 | 10:00:00 AM | 33.7114 | 41.5581 | 7.8467 | 44.8233 | 34.0623 | 0.3509 | 71.9391 | 34.3858 | 0.6744 | 74.2856 |
| 5/4/2025 | 11:00:00 AM | 33.7126 | 41.5526 | 7.84 | 44.83 | 34.0593 | 0.3467 | 71.9433 | 34.3827 | 0.6701 | 74.2899 |
| 5/4/2025 | 12:00:00 PM | 33.7083 | 41.546 | 7.8377 | 44.8323 | 34.0537 | 0.3454 | 71.9446 | 34.3792 | 0.6709 | 74.2891 |
| 5/4/2025 | 1:00:00 PM | 33.7063 | 41.5422 | 7.8359 | 44.8341 | 34.049 | 0.3427 | 71.9473 | 34.3774 | 0.6711 | 74.2889 |
| 5/4/2025 | 2:00:00 PM | 33.7065 | 41.5378 | 7.8313 | 44.8387 | 34.0473 | 0.3408 | 71.9492 | 34.3766 | 0.6701 | 74.2899 |
| 5/4/2025 | 3:00:00 PM | 33.7028 | 41.5308 | 7.828 | 44.842 | 34.0405 | 0.3377 | 71.9523 | 34.3745 | 0.6717 | 74.2883 |
| 5/4/2025 | 4:00:00 PM | 33.693 | 41.5185 | 7.8255 | 44.8445 | 34.0334 | 0.3404 | 71.9496 | 34.3698 | 0.6768 | 74.2832 |
| 5/4/2025 | 5:00:00 PM | 33.6875 | 41.5109 | 7.8234 | 44.8466 | 34.0257 | 0.3382 | 71.9518 | 34.3654 | 0.6779 | 74.2821 |
| 5/4/2025 | 6:00:00 PM | 33.6944 | 41.5127 | 7.8183 | 44.8517 | 34.0254 | 0.331 | 71.959 | 34.3659 | 0.6715 | 74.2885 |
| 5/4/2025 | 7:00:00 PM | 33.7066 | 41.5199 | 7.8133 | 44.8567 | 34.0299 | 0.3233 | 71.9667 | 34.3705 | 0.6639 | 74.2961 |
| 5/4/2025 | 8:00:00 PM | 33.7078 | 41.5168 | 7.809 | 44.861 | 34.029 | 0.3212 | 71.9688 | 34.3717 | 0.6639 | 74.2961 |
| 5/4/2025 | 9:00:00 PM | 33.7371 | 41.5388 | 7.8017 | 44.8683 | 34.0467 | 0.3096 | 71.9804 | 34.3795 | 0.6424 | 74.3176 |
| 5/4/2025 | 10:00:00 PM | 33.7487 | 41.5454 | 7.7967 | 44.8733 | 34.0563 | 0.3076 | 71.9824 | 34.3833 | 0.6346 | 74.3254 |
| 5/4/2025 | 11:00:00 PM | 33.7543 | 41.546 | 7.7917 | 44.8783 | 34.0605 | 0.3062 | 71.9838 | 34.3833 | 0.629 | 74.331 |
| 5/5/2025 | 12:00:00 AM | 33.7603 | 41.55 | 7.7897 | 44.8803 | 34.0645 | 0.3042 | 71.9858 | 34.3833 | 0.623 | 74.337 |
| 5/5/2025 | 1:00:00 AM | 33.7685 | 41.5546 | 7.7861 | 44.8839 | 34.0699 | 0.3014 | 71.9886 | 34.3853 | 0.6168 | 74.3432 |
| 5/5/2025 | 2:00:00 AM | 33.7641 | 41.5465 | 7.7824 | 44.8876 | 34.0667 | 0.3026 | 71.9874 | 34.3825 | 0.6184 | 74.3416 |
| 5/5/2025 | 3:00:00 AM | 33.7657 | 41.547 | 7.7813 | 44.8887 | 34.0664 | 0.3007 | 71.9893 | 34.3825 | 0.6168 | 74.3432 |
| 5/5/2025 | 4:00:00 AM | 33.7618 | 41.541 | 7.7792 | 44.8908 | 34.0636 | 0.3018 | 71.9882 | 34.3808 | 0.619 | 74.341 |
| 5/5/2025 | 5:00:00 AM | 33.763 | 41.537 | 7.774 | 44.896 | 34.0625 | 0.2995 | 71.9905 | 34.3803 | 0.6173 | 74.3427 |
| 5/5/2025 | 6:00:00 AM | 33.7668 | 41.5374 | 7.7706 | 44.8994 | 34.0617 | 0.2949 | 71.9951 | 34.3794 | 0.6126 | 74.3474 |
| 5/5/2025 | 7:00:00 AM | 33.7759 | 41.5424 | 7.7665 | 44.9035 | 34.0666 | 0.2907 | 71.9993 | 34.3803 | 0.6044 | 74.3556 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/5/2025 | 8:00:00 AM | 33.7776 | 41.5404 | 7.7628 | 44.9072 | 34.0655 | 0.2879 | 72.0021 | 34.378 | 0.6004 | 74.3596 |
| 5/5/2025 | 9:00:00 AM | 33.7728 | 41.5328 | 7.76 | 44.91 | 34.0604 | 0.2876 | 72.0024 | 34.3757 | 0.6029 | 74.3571 |
| 5/5/2025 | 10:00:00 AM | 33.771 | 41.5284 | 7.7574 | 44.9126 | 34.058 | 0.287 | 72.003 | 34.3751 | 0.6041 | 74.3559 |
| 5/5/2025 | 11:00:00 AM | 33.7583 | 41.514 | 7.7557 | 44.9143 | 34.0479 | 0.2896 | 72.0004 | 34.3704 | 0.6121 | 74.3479 |
| 5/5/2025 | 12:00:00 PM | 33.7357 | 41.494 | 7.7583 | 44.9117 | 34.028 | 0.2923 | 71.9977 | 34.3657 | 0.63 | 74.33 |
| 5/5/2025 | 1:00:00 PM | 33.7164 | 41.4746 | 7.7582 | 44.9118 | 34.0114 | 0.295 | 71.995 | 34.3592 | 0.6428 | 74.3172 |
| 5/5/2025 | 2:00:00 PM | 33.7016 | 41.4605 | 7.7589 | 44.9111 | 33.9955 | 0.2939 | 71.9961 | 34.3563 | 0.6547 | 74.3053 |
| 5/5/2025 | 3:00:00 PM | 33.6874 | 41.4513 | 7.7639 | 44.9061 | 33.9826 | 0.2952 | 71.9948 | 34.3568 | 0.6694 | 74.2906 |
| 5/5/2025 | 4:00:00 PM | 33.6602 | 41.4286 | 7.7684 | 44.9016 | 33.9593 | 0.2991 | 71.9909 | 34.3521 | 0.6919 | 74.2681 |
| 5/5/2025 | 5:00:00 PM | 33.6463 | 41.4177 | 7.7714 | 44.8986 | 33.9421 | 0.2958 | 71.9942 | 34.3504 | 0.7041 | 74.2559 |
| 5/5/2025 | 6:00:00 PM | 33.6353 | 41.4109 | 7.7756 | 44.8944 | 33.9309 | 0.2956 | 71.9944 | 34.3499 | 0.7146 | 74.2454 |
| 5/5/2025 | 7:00:00 PM | 33.6251 | 41.4057 | 7.7806 | 44.8894 | 33.9216 | 0.2965 | 71.9935 | 34.3495 | 0.7244 | 74.2356 |
| 5/5/2025 | 8:00:00 PM | 33.6223 | 41.4078 | 7.7855 | 44.8845 | 33.9158 | 0.2935 | 71.9965 | 34.3506 | 0.7283 | 74.2317 |
| 5/5/2025 | 9:00:00 PM | 33.629 | 41.414 | 7.785 | 44.885 | 33.9155 | 0.2865 | 72.0035 | 34.3543 | 0.7253 | 74.2347 |
| 5/5/2025 | 10:00:00 PM | 33.6292 | 41.4168 | 7.7876 | 44.8824 | 33.9144 | 0.2852 | 72.0048 | 34.357 | 0.7278 | 74.2322 |
| 5/5/2025 | 11:00:00 PM | 33.625 | 41.4162 | 7.7912 | 44.8788 | 33.9088 | 0.2838 | 72.0062 | 34.3572 | 0.7322 | 74.2278 |
| 5/6/2025 | 12:00:00 AM | 33.6226 | 41.4169 | 7.7943 | 44.8757 | 33.9063 | 0.2837 | 72.0063 | 34.3575 | 0.7349 | 74.2251 |
| 5/6/2025 | 1:00:00 AM | 33.6137 | 41.4129 | 7.7992 | 44.8708 | 33.8976 | 0.2839 | 72.0061 | 34.3557 | 0.742 | 74.218 |
| 5/6/2025 | 2:00:00 AM | 33.595 | 41.4 | 7.805 | 44.865 | 33.8838 | 0.2888 | 72.0012 | 34.3527 | 0.7577 | 74.2023 |
| 5/6/2025 | 3:00:00 AM | 33.6006 | 41.4069 | 7.8063 | 44.8637 | 33.8839 | 0.2833 | 72.0067 | 34.3544 | 0.7538 | 74.2062 |
| 5/6/2025 | 4:00:00 AM | 33.5921 | 41.4042 | 7.8121 | 44.8579 | 33.8764 | 0.2843 | 72.0057 | 34.3558 | 0.7637 | 74.1963 |
| 5/6/2025 | 5:00:00 AM | 33.5731 | 41.3894 | 7.8163 | 44.8537 | 33.8625 | 0.2894 | 72.0006 | 34.3508 | 0.7777 | 74.1823 |
| 5/6/2025 | 6:00:00 AM | 33.5559 | 41.379 | 7.8231 | 44.8469 | 33.8455 | 0.2896 | 72.0004 | 34.347 | 0.7911 | 74.1689 |
| 5/6/2025 | 7:00:00 AM | 33.5473 | 41.3739 | 7.8266 | 44.8434 | 33.8374 | 0.2901 | 71.9999 | 34.3466 | 0.7993 | 74.1607 |
| 5/6/2025 | 8:00:00 AM | 33.5432 | 41.3723 | 7.8291 | 44.8409 | 33.833 | 0.2898 | 72.0002 | 34.3468 | 0.8036 | 74.1564 |
| 5/6/2025 | 9:00:00 AM | 33.5445 | 41.3748 | 7.8303 | 44.8397 | 33.8297 | 0.2852 | 72.0048 | 34.349 | 0.8045 | 74.1555 |
| 5/6/2025 | 10:00:00 AM | 33.5302 | 41.3652 | 7.835 | 44.835 | 33.8177 | 0.2875 | 72.0025 | 34.3477 | 0.8175 | 74.1425 |
| 5/6/2025 | 11:00:00 AM | 33.5102 | 41.3518 | 7.8416 | 44.8284 | 33.7995 | 0.2893 | 72.0007 | 34.3439 | 0.8337 | 74.1263 |
| 5/6/2025 | 12:00:00 PM | 33.4887 | 41.337 | 7.8483 | 44.8217 | 33.7811 | 0.2924 | 71.9976 | 34.3397 | 0.851 | 74.109 |
| 5/6/2025 | 1:00:00 PM | 33.4603 | 41.3169 | 7.8566 | 44.8134 | 33.7558 | 0.2955 | 71.9945 | 34.3341 | 0.8738 | 74.0862 |
| 5/6/2025 | 2:00:00 PM | 33.4324 | 41.2992 | 7.8668 | 44.8032 | 33.7308 | 0.2984 | 71.9916 | 34.3311 | 0.8987 | 74.0613 |
| 5/6/2025 | 3:00:00 PM | 33.4132 | 41.2866 | 7.8734 | 44.7966 | 33.7127 | 0.2995 | 71.9905 | 34.3278 | 0.9146 | 74.0454 |
| 5/6/2025 | 4:00:00 PM | 33.388 | 41.2717 | 7.8837 | 44.7863 | 33.6891 | 0.3011 | 71.9889 | 34.3258 | 0.9378 | 74.0222 |
| 5/6/2025 | 5:00:00 PM | 33.3631 | 41.2564 | 7.8933 | 44.7767 | 33.665 | 0.3019 | 71.9881 | 34.3214 | 0.9583 | 74.0017 |
| 5/6/2025 | 6:00:00 PM | 33.3331 | 41.2415 | 7.9084 | 44.7616 | 33.6143 | 0.2812 | 72.0088 | 34.3182 | 0.9851 | 73.9749 |
| 5/6/2025 | 7:00:00 PM | 33.312 | 41.2325 | 7.9205 | 44.7495 | 33.5975 | 0.2855 | 72.0045 | 34.3171 | 1.0051 | 73.9549 |
| 5/6/2025 | 8:00:00 PM | 33.3108 | 41.2387 | 7.9279 | 44.7421 | 33.5955 | 0.2847 | 72.0053 | 34.3194 | 1.0086 | 73.9514 |
| 5/6/2025 | 9:00:00 PM | 33.3152 | 41.2481 | 7.9329 | 44.7371 | 33.5979 | 0.2827 | 72.0073 | 34.3229 | 1.0077 | 73.9523 |
| 5/6/2025 | 10:00:00 PM | 33.3237 | 41.2633 | 7.9396 | 44.7304 | 33.6056 | 0.2819 | 72.0081 | 34.3298 | 1.0061 | 73.9539 |
| 5/6/2025 | 11:00:00 PM | 33.3155 | 41.2631 | 7.9476 | 44.7224 | 33.5995 | 0.284 | 72.006 | 34.3284 | 1.0129 | 73.9471 |
| 5/7/2025 | 12:00:00 AM | 33.3115 | 41.2649 | 7.9534 | 44.7166 | 33.5981 | 0.2866 | 72.0034 | 34.3287 | 1.0172 | 73.9428 |
| 5/7/2025 | 1:00:00 AM | 33.3255 | 41.2827 | 7.9572 | 44.7128 | 33.6113 | 0.2858 | 72.0042 | 34.3324 | 1.0069 | 73.9531 |
| 5/7/2025 | 2:00:00 AM | 33.3301 | 41.2918 | 7.9617 | 44.7083 | 33.6192 | 0.2891 | 72.0009 | 34.336 | 1.0059 | 73.9541 |
| 5/7/2025 | 3:00:00 AM | 33.3465 | 41.3084 | 7.9619 | 44.7081 | 33.6433 | 0.2968 | 71.9932 | 34.3414 | 0.9949 | 73.9651 |
| 5/7/2025 | 4:00:00 AM | 33.3425 | 41.3074 | 7.9649 | 44.7051 | 33.641 | 0.2985 | 71.9915 | 34.3385 | 0.996 | 73.964 |
| 5/7/2025 | 5:00:00 AM | 33.3766 | 41.335 | 7.9584 | 44.7116 | 33.6772 | 0.3006 | 71.9894 | 34.3467 | 0.9701 | 73.9899 |
| 5/7/2025 | 6:00:00 AM | 33.3784 | 41.34 | 7.9616 | 44.7084 | 33.6792 | 0.3008 | 71.9892 | 34.3491 | 0.9707 | 73.9893 |
| 5/7/2025 | 7:00:00 AM | 33.3751 | 41.3382 | 7.9631 | 44.7069 | 33.6786 | 0.3035 | 71.9865 | 34.3448 | 0.9697 | 73.9903 |
| 5/7/2025 | 8:00:00 AM | 33.4068 | 41.3639 | 7.9571 | 44.7129 | 33.7003 | 0.2935 | 71.9965 | 34.353 | 0.9462 | 74.0138 |
| 5/7/2025 | 9:00:00 AM | 33.4155 | 41.3708 | 7.9553 | 44.7147 | 33.7073 | 0.2918 | 71.9982 | 34.3536 | 0.9381 | 74.0219 |
| 5/7/2025 | 10:00:00 AM | 33.4172 | 41.371 | 7.9538 | 44.7162 | 33.7086 | 0.2914 | 71.9986 | 34.352 | 0.9348 | 74.0252 |
| 5/7/2025 | 11:00:00 AM | 33.4301 | 41.3801 | 7.95 | 44.72 | 33.7159 | 0.2858 | 72.0042 | 34.354 | 0.9239 | 74.0361 |
| 5/7/2025 | 12:00:00 PM | 33.4282 | 41.378 | 7.9498 | 44.7202 | 33.7157 | 0.2875 | 72.0025 | 34.3526 | 0.9244 | 74.0356 |
| 5/7/2025 | 1:00:00 PM | 33.4219 | 41.3729 | 7.951 | 44.719 | 33.7093 | 0.2874 | 72.0026 | 34.3503 | 0.9284 | 74.0316 |
| 5/7/2025 | 2:00:00 PM | 33.4092 | 41.3604 | 7.9512 | 44.7188 | 33.7021 | 0.2929 | 71.9971 | 34.347 | 0.9378 | 74.0222 |
| 5/7/2025 | 3:00:00 PM | 33.3981 | 41.3526 | 7.9545 | 44.7155 | 33.6941 | 0.296 | 71.994 | 34.3449 | 0.9468 | 74.0132 |
| 5/7/2025 | 4:00:00 PM | 33.3943 | 41.3505 | 7.9562 | 44.7138 | 33.692 | 0.2977 | 71.9923 | 34.3453 | 0.951 | 74.009 |
| 5/7/2025 | 5:00:00 PM | 33.4169 | 41.369 | 7.9521 | 44.7179 | 33.7013 | 0.2844 | 72.0056 | 34.3517 | 0.9348 | 74.0252 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/7/2025 | 6:00:00 PM | 33.449 | 41.3963 | 7.9473 | 44.7227 | 33.7232 | 0.2742 | 72.0158 | 34.3608 | 0.9118 | 74.0482 |
| 5/7/2025 | 7:00:00 PM | 33.4835 | 41.422 | 7.9385 | 44.7315 | 33.7504 | 0.2669 | 72.0231 | 34.3703 | 0.8868 | 74.0732 |
| 5/7/2025 | 8:00:00 PM | 33.5101 | 41.4396 | 7.9295 | 44.7405 | 33.7726 | 0.2625 | 72.0275 | 34.3727 | 0.8626 | 74.0974 |
| 5/7/2025 | 9:00:00 PM | 33.5445 | 41.4646 | 7.9201 | 44.7499 | 33.808 | 0.2635 | 72.0265 | 34.3798 | 0.8353 | 74.1247 |
| 5/7/2025 | 10:00:00 PM | 33.594 | 41.5021 | 7.9081 | 44.7619 | 33.8578 | 0.2638 | 72.0262 | 34.3908 | 0.7968 | 74.1632 |
| 5/7/2025 | 11:00:00 PM | 33.6279 | 41.5246 | 7.8967 | 44.7733 | 33.8933 | 0.2654 | 72.0246 | 34.3943 | 0.7664 | 74.1936 |
| 5/8/2025 | 12:00:00 AM | 33.6452 | 41.5319 | 7.8867 | 44.7833 | 33.9112 | 0.266 | 72.024 | 34.3935 | 0.7483 | 74.2117 |
| 5/8/2025 | 1:00:00 AM | 33.6748 | 41.5507 | 7.8759 | 44.7941 | 33.9424 | 0.2676 | 72.0224 | 34.3963 | 0.7215 | 74.2385 |
| 5/8/2025 | 2:00:00 AM | 33.6958 | 41.558 | 7.8622 | 44.8078 | 33.9609 | 0.2651 | 72.0249 | 34.3965 | 0.7007 | 74.2593 |
| 5/8/2025 | 3:00:00 AM | 33.7149 | 41.5668 | 7.8519 | 44.8181 | 33.9778 | 0.2629 | 72.0271 | 34.3964 | 0.6815 | 74.2785 |
| 5/8/2025 | 4:00:00 AM | 33.7313 | 41.5719 | 7.8406 | 44.8294 | 33.9932 | 0.2619 | 72.0281 | 34.3962 | 0.6649 | 74.2951 |
| 5/8/2025 | 5:00:00 AM | 33.7456 | 41.5745 | 7.8289 | 44.8411 | 34.0064 | 0.2608 | 72.0292 | 34.3949 | 0.6493 | 74.3107 |
| 5/8/2025 | 6:00:00 AM | 33.7527 | 41.5725 | 7.8198 | 44.8502 | 34.0127 | 0.26 | 72.03 | 34.3929 | 0.6402 | 74.3198 |
| 5/8/2025 | 7:00:00 AM | 33.7631 | 41.572 | 7.8089 | 44.8611 | 34.0209 | 0.2578 | 72.0322 | 34.3915 | 0.6284 | 74.3316 |
| 5/8/2025 | 8:00:00 AM | 33.7883 | 41.5844 | 7.7961 | 44.8739 | 34.0425 | 0.2542 | 72.0358 | 34.3941 | 0.6058 | 74.3542 |
| 5/8/2025 | 9:00:00 AM | 33.801 | 41.5848 | 7.7838 | 44.8862 | 34.0531 | 0.2521 | 72.0379 | 34.3926 | 0.5916 | 74.3684 |
| 5/8/2025 | 10:00:00 AM | 33.8193 | 41.5908 | 7.7715 | 44.8985 | 34.0661 | 0.2468 | 72.0432 | 34.3942 | 0.5749 | 74.3851 |
| 5/8/2025 | 11:00:00 AM | 33.8116 | 41.5744 | 7.7628 | 44.9072 | 34.0619 | 0.2503 | 72.0397 | 34.3883 | 0.5767 | 74.3833 |
| 5/8/2025 | 12:00:00 PM | 33.789 | 41.5483 | 7.7593 | 44.9107 | 34.0432 | 0.2542 | 72.0358 | 34.3801 | 0.5911 | 74.3689 |
| 5/8/2025 | 1:00:00 PM | 33.7679 | 41.5233 | 7.7554 | 44.9146 | 34.0259 | 0.258 | 72.032 | 34.3744 | 0.6065 | 74.3535 |
| 5/8/2025 | 2:00:00 PM | 33.7347 | 41.4918 | 7.7571 | 44.9129 | 33.9981 | 0.2634 | 72.0266 | 34.3676 | 0.6329 | 74.3271 |
| 5/8/2025 | 3:00:00 PM | 33.7398 | 41.4924 | 7.7526 | 44.9174 | 33.9946 | 0.2548 | 72.0352 | 34.3708 | 0.631 | 74.329 |
| 5/8/2025 | 4:00:00 PM | 33.7404 | 41.4907 | 7.7503 | 44.9197 | 33.9906 | 0.2502 | 72.0398 | 34.3729 | 0.6325 | 74.3275 |
| 5/8/2025 | 5:00:00 PM | 33.7172 | 41.4681 | 7.7509 | 44.9191 | 33.9702 | 0.253 | 72.037 | 34.3666 | 0.6494 | 74.3106 |
| 5/8/2025 | 6:00:00 PM | 33.7089 | 41.4602 | 7.7513 | 44.9187 | 33.9615 | 0.2526 | 72.0374 | 34.3655 | 0.6566 | 74.3034 |
| 5/8/2025 | 7:00:00 PM | 33.692 | 41.4451 | 7.7531 | 44.9169 | 33.9433 | 0.2513 | 72.0387 | 34.3623 | 0.6703 | 74.2897 |
| 5/8/2025 | 8:00:00 PM | 33.6913 | 41.4438 | 7.7525 | 44.9175 | 33.9392 | 0.2479 | 72.0421 | 34.3644 | 0.6731 | 74.2869 |
| 5/8/2025 | 9:00:00 PM | 33.6833 | 41.4384 | 7.7551 | 44.9149 | 33.9315 | 0.2482 | 72.0418 | 34.3689 | 0.6856 | 74.2744 |
| 5/8/2025 | 10:00:00 PM | 33.6903 | 41.4436 | 7.7533 | 44.9167 | 33.9329 | 0.2426 | 72.0474 | 34.3714 | 0.6811 | 74.2789 |
| 5/8/2025 | 11:00:00 PM | 33.6961 | 41.4479 | 7.7518 | 44.9182 | 33.9342 | 0.2381 | 72.0519 | 34.3745 | 0.6784 | 74.2816 |
| 5/9/2025 | 12:00:00 AM | 33.6909 | 41.4444 | 7.7535 | 44.9165 | 33.9283 | 0.2374 | 72.0526 | 34.373 | 0.6821 | 74.2779 |
| 5/9/2025 | 1:00:00 AM | 33.6925 | 41.4454 | 7.7529 | 44.9171 | 33.927 | 0.2345 | 72.0555 | 34.3723 | 0.6798 | 74.2802 |
| 5/9/2025 | 2:00:00 AM | 33.6806 | 41.4338 | 7.7532 | 44.9168 | 33.9174 | 0.2368 | 72.0532 | 34.3696 | 0.689 | 74.271 |
| 5/9/2025 | 3:00:00 AM | 33.6797 | 41.4342 | 7.7545 | 44.9155 | 33.9143 | 0.2346 | 72.0554 | 34.3706 | 0.6909 | 74.2691 |
| 5/9/2025 | 4:00:00 AM | 33.676 | 41.4307 | 7.7547 | 44.9153 | 33.9102 | 0.2342 | 72.0558 | 34.3702 | 0.6942 | 74.2658 |
| 5/9/2025 | 5:00:00 AM | 33.6757 | 41.4322 | 7.7565 | 44.9135 | 33.9074 | 0.2317 | 72.0583 | 34.3692 | 0.6935 | 74.2665 |
| 5/9/2025 | 6:00:00 AM | 33.6693 | 41.4247 | 7.7554 | 44.9146 | 33.9007 | 0.2314 | 72.0586 | 34.3685 | 0.6992 | 74.2608 |
| 5/9/2025 | 7:00:00 AM | 33.6701 | 41.4268 | 7.7567 | 44.9133 | 33.901 | 0.2309 | 72.0591 | 34.369 | 0.6989 | 74.2611 |
| 5/9/2025 | 8:00:00 AM | 33.6726 | 41.4267 | 7.7541 | 44.9159 | 33.8985 | 0.2259 | 72.0641 | 34.3697 | 0.6971 | 74.2629 |
| 5/9/2025 | 9:00:00 AM | 33.6682 | 41.422 | 7.7538 | 44.9162 | 33.8945 | 0.2263 | 72.0637 | 34.3687 | 0.7005 | 74.2595 |
| 5/9/2025 | 10:00:00 AM | 33.6638 | 41.417 | 7.7532 | 44.9168 | 33.8894 | 0.2256 | 72.0644 | 34.368 | 0.7042 | 74.2558 |
| 5/9/2025 | 11:00:00 AM | 33.6476 | 41.4024 | 7.7548 | 44.9152 | 33.8764 | 0.2288 | 72.0612 | 34.3634 | 0.7158 | 74.2442 |
| 5/9/2025 | 12:00:00 PM | 33.6345 | 41.3931 | 7.7586 | 44.9114 | 33.866 | 0.2315 | 72.0585 | 34.3604 | 0.7259 | 74.2341 |
| 5/9/2025 | 1:00:00 PM | 33.6246 | 41.385 | 7.7604 | 44.9096 | 33.8546 | 0.23 | 72.06 | 34.3588 | 0.7342 | 74.2258 |
| 5/9/2025 | 2:00:00 PM | 33.6049 | 41.3705 | 7.7656 | 44.9044 | 33.8385 | 0.2336 | 72.0564 | 34.3546 | 0.7497 | 74.2103 |
| 5/9/2025 | 3:00:00 PM | 33.5913 | 41.3612 | 7.7699 | 44.9001 | 33.8235 | 0.2322 | 72.0578 | 34.3537 | 0.7624 | 74.1976 |
| 5/9/2025 | 4:00:00 PM | 33.5776 | 41.3507 | 7.7731 | 44.8969 | 33.8081 | 0.2305 | 72.0595 | 34.3526 | 0.775 | 74.185 |
| 5/9/2025 | 5:00:00 PM | 33.5741 | 41.3513 | 7.7772 | 44.8928 | 33.8025 | 0.2284 | 72.0616 | 34.3545 | 0.7804 | 74.1796 |
| 5/9/2025 | 6:00:00 PM | 33.5635 | 41.3472 | 7.7837 | 44.8863 | 33.7912 | 0.2277 | 72.0623 | 34.3545 | 0.791 | 74.169 |
| 5/9/2025 | 7:00:00 PM | 33.554 | 41.3411 | 7.7871 | 44.8829 | 33.7822 | 0.2282 | 72.0618 | 34.3543 | 0.8003 | 74.1597 |
| 5/9/2025 | 8:00:00 PM | 33.5547 | 41.345 | 7.7903 | 44.8797 | 33.7791 | 0.2244 | 72.0656 | 34.3566 | 0.8019 | 74.1581 |
| 5/9/2025 | 9:00:00 PM | 33.5379 | 41.3375 | 7.7996 | 44.8704 | 33.7676 | 0.2297 | 72.0603 | 34.3534 | 0.8155 | 74.1445 |
| 5/9/2025 | 10:00:00 PM | 33.5442 | 41.3459 | 7.8017 | 44.8683 | 33.773 | 0.2288 | 72.0612 | 34.3565 | 0.8123 | 74.1477 |
| 5/9/2025 | 11:00:00 PM | 33.5246 | 41.3339 | 7.8093 | 44.8607 | 33.7548 | 0.2302 | 72.0598 | 34.3521 | 0.8275 | 74.1325 |
| 5/10/2025 | 12:00:00 AM | 33.5094 | 41.3247 | 7.8153 | 44.8547 | 33.744 | 0.2346 | 72.0554 | 34.3497 | 0.8403 | 74.1197 |
| 5/10/2025 | 1:00:00 AM | 33.4957 | 41.3184 | 7.8227 | 44.8473 | 33.735 | 0.2393 | 72.0507 | 34.3474 | 0.8517 | 74.1083 |
| 5/10/2025 | 2:00:00 AM | 33.4835 | 41.3137 | 7.8302 | 44.8398 | 33.7258 | 0.2423 | 72.0477 | 34.3461 | 0.8626 | 74.0974 |
| 5/10/2025 | 3:00:00 AM | 33.4645 | 41.3021 | 7.8376 | 44.8324 | 33.7114 | 0.2469 | 72.0431 | 34.343 | 0.8785 | 74.0815 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/10/2025 | 4:00:00 AM | 33.4562 | 41.2999 | 7.8437 | 44.8263 | 33.7026 | 0.2464 | 72.0436 | 34.3423 | 0.8861 | 74.0739 |
| 5/10/2025 | 5:00:00 AM | 33.4458 | 41.3004 | 7.8546 | 44.8154 | 33.6926 | 0.2468 | 72.0432 | 34.3429 | 0.8971 | 74.0629 |
| 5/10/2025 | 6:00:00 AM | 33.4429 | 41.3001 | 7.8572 | 44.8128 | 33.6909 | 0.248 | 72.042 | 34.3437 | 0.9008 | 74.0592 |
| 5/10/2025 | 7:00:00 AM | 33.4383 | 41.2984 | 7.8601 | 44.8099 | 33.687 | 0.2487 | 72.0413 | 34.3431 | 0.9048 | 74.0552 |
| 5/10/2025 | 8:00:00 AM | 33.4518 | 41.314 | 7.8622 | 44.8078 | 33.6963 | 0.2445 | 72.0455 | 34.3481 | 0.8963 | 74.0637 |
| 5/10/2025 | 9:00:00 AM | 33.4425 | 41.3091 | 7.8666 | 44.8034 | 33.6881 | 0.2456 | 72.0444 | 34.3477 | 0.9052 | 74.0548 |
| 5/10/2025 | 10:00:00 AM | 33.4365 | 41.307 | 7.8705 | 44.7995 | 33.6843 | 0.2478 | 72.0422 | 34.3468 | 0.9103 | 74.0497 |
| 5/10/2025 | 11:00:00 AM | 33.4421 | 41.3125 | 7.8704 | 44.7996 | 33.6865 | 0.2444 | 72.0456 | 34.3482 | 0.9061 | 74.0539 |
| 5/10/2025 | 12:00:00 PM | 33.4514 | 41.3224 | 7.871 | 44.799 | 33.6916 | 0.2402 | 72.0498 | 34.3525 | 0.9011 | 74.0589 |
| 5/10/2025 | 1:00:00 PM | 33.4465 | 41.3207 | 7.8742 | 44.7958 | 33.687 | 0.2405 | 72.0495 | 34.3517 | 0.9052 | 74.0548 |
| 5/10/2025 | 2:00:00 PM | 33.4445 | 41.3222 | 7.8777 | 44.7923 | 33.6857 | 0.2412 | 72.0488 | 34.3512 | 0.9067 | 74.0533 |
| 5/10/2025 | 3:00:00 PM | 33.4409 | 41.32 | 7.8791 | 44.7909 | 33.6816 | 0.2407 | 72.0493 | 34.3524 | 0.9115 | 74.0485 |
| 5/10/2025 | 4:00:00 PM | 33.4289 | 41.3134 | 7.8845 | 44.7855 | 33.6727 | 0.2438 | 72.0462 | 34.3508 | 0.9219 | 74.0381 |
| 5/10/2025 | 5:00:00 PM | 33.4147 | 41.3043 | 7.8896 | 44.7804 | 33.6609 | 0.2462 | 72.0438 | 34.3489 | 0.9342 | 74.0258 |
| 5/10/2025 | 6:00:00 PM | 33.4121 | 41.3036 | 7.8915 | 44.7785 | 33.6558 | 0.2437 | 72.0463 | 34.3485 | 0.9364 | 74.0236 |
| 5/10/2025 | 7:00:00 PM | 33.4044 | 41.3012 | 7.8968 | 44.7732 | 33.6492 | 0.2448 | 72.0452 | 34.3459 | 0.9415 | 74.0185 |
| 5/10/2025 | 8:00:00 PM | 33.3948 | 41.2979 | 7.9031 | 44.7669 | 33.6428 | 0.248 | 72.042 | 34.345 | 0.9502 | 74.0098 |
| 5/10/2025 | 9:00:00 PM | 33.381 | 41.2899 | 7.9089 | 44.7611 | 33.6321 | 0.2511 | 72.0389 | 34.342 | 0.961 | 73.999 |
| 5/10/2025 | 10:00:00 PM | 33.3746 | 41.2873 | 7.9127 | 44.7573 | 33.6272 | 0.2526 | 72.0374 | 34.3409 | 0.9663 | 73.9937 |
| 5/10/2025 | 11:00:00 PM | 33.3514 | 41.272 | 7.9206 | 44.7494 | 33.6084 | 0.257 | 72.033 | 34.3364 | 0.985 | 73.975 |
| 5/11/2025 | 12:00:00 AM | 33.3316 | 41.2623 | 7.9307 | 44.7393 | 33.5949 | 0.2633 | 72.0267 | 34.333 | 1.0014 | 73.9586 |
| 5/11/2025 | 1:00:00 AM | 33.3171 | 41.2546 | 7.9375 | 44.7325 | 33.5845 | 0.2674 | 72.0226 | 34.3314 | 1.0143 | 73.9457 |
| 5/11/2025 | 2:00:00 AM | 33.3104 | 41.2559 | 7.9455 | 44.7245 | 33.5801 | 0.2697 | 72.0203 | 34.3318 | 1.0214 | 73.9386 |
| 5/11/2025 | 3:00:00 AM | 33.2956 | 41.2493 | 7.9537 | 44.7163 | 33.5685 | 0.2729 | 72.0171 | 34.3295 | 1.0339 | 73.9261 |
| 5/11/2025 | 4:00:00 AM | 33.2904 | 41.2494 | 7.959 | 44.711 | 33.5645 | 0.2741 | 72.0159 | 34.3309 | 1.0405 | 73.9195 |
| 5/11/2025 | 5:00:00 AM | 33.2783 | 41.2458 | 7.9675 | 44.7025 | 33.5579 | 0.2796 | 72.0104 | 34.329 | 1.0507 | 73.9093 |
| 5/11/2025 | 6:00:00 AM | 33.2616 | 41.2365 | 7.9749 | 44.6951 | 33.5451 | 0.2835 | 72.0065 | 34.3261 | 1.0645 | 73.8955 |
| 5/11/2025 | 7:00:00 AM | 33.257 | 41.2372 | 7.9802 | 44.6898 | 33.5404 | 0.2834 | 72.0066 | 34.3274 | 1.0704 | 73.8896 |
| 5/11/2025 | 8:00:00 AM | 33.2368 | 41.2246 | 7.9878 | 44.6822 | 33.526 | 0.2892 | 72.0008 | 34.3238 | 1.087 | 73.873 |
| 5/11/2025 | 9:00:00 AM | 33.225 | 41.2197 | 7.9947 | 44.6753 | 33.5169 | 0.2919 | 71.9981 | 34.3226 | 1.0976 | 73.8624 |
| 5/11/2025 | 10:00:00 AM | 33.2096 | 41.2115 | 8.0019 | 44.6681 | 33.5049 | 0.2953 | 71.9947 | 34.321 | 1.1114 | 73.8486 |
| 5/11/2025 | 11:00:00 AM | 33.196 | 41.2038 | 8.0078 | 44.6622 | 33.4764 | 0.2804 | 72.0096 | 34.3201 | 1.1241 | 73.8359 |
| 5/11/2025 | 12:00:00 PM | 33.1898 | 41.2063 | 8.0165 | 44.6535 | 33.4714 | 0.2816 | 72.0084 | 34.3211 | 1.1313 | 73.8287 |
| 5/11/2025 | 1:00:00 PM | 33.1774 | 41.1994 | 8.022 | 44.648 | 33.4611 | 0.2837 | 72.0063 | 34.3204 | 1.143 | 73.817 |
| 5/11/2025 | 2:00:00 PM | 33.1744 | 41.2037 | 8.0293 | 44.6407 | 33.4588 | 0.2844 | 72.0056 | 34.3217 | 1.1473 | 73.8127 |
| 5/11/2025 | 3:00:00 PM | 33.1743 | 41.2108 | 8.0365 | 44.6335 | 33.4619 | 0.2876 | 72.0024 | 34.3238 | 1.1495 | 73.8105 |
| 5/11/2025 | 4:00:00 PM | 33.1604 | 41.2024 | 8.042 | 44.628 | 33.448 | 0.2876 | 72.0024 | 34.3226 | 1.1622 | 73.7978 |
| 5/11/2025 | 5:00:00 PM | 33.1502 | 41.2014 | 8.0512 | 44.6188 | 33.4426 | 0.2924 | 71.9976 | 34.3234 | 1.1732 | 73.7868 |
| 5/11/2025 | 6:00:00 PM | 33.156 | 41.209 | 8.053 | 44.617 | 33.4498 | 0.2938 | 71.9962 | 34.3254 | 1.1694 | 73.7906 |
| 5/11/2025 | 7:00:00 PM | 33.1716 | 41.2302 | 8.0586 | 44.6114 | 33.4739 | 0.3023 | 71.9877 | 34.3325 | 1.1609 | 73.7991 |
| 5/11/2025 | 8:00:00 PM | 33.1699 | 41.2322 | 8.0623 | 44.6077 | 33.4734 | 0.3035 | 71.9865 | 34.3341 | 1.1642 | 73.7958 |
| 5/11/2025 | 9:00:00 PM | 33.1809 | 41.2468 | 8.0659 | 44.6041 | 33.4893 | 0.3084 | 71.9816 | 34.3357 | 1.1548 | 73.8052 |
| 5/11/2025 | 10:00:00 PM | 33.1863 | 41.2542 | 8.0679 | 44.6021 | 33.4947 | 0.3084 | 71.9816 | 34.3373 | 1.151 | 73.809 |
| 5/11/2025 | 11:00:00 PM | 33.1743 | 41.2481 | 8.0738 | 44.5962 | 33.4867 | 0.3124 | 71.9776 | 34.3341 | 1.1598 | 73.8002 |
| 5/12/2025 | 12:00:00 AM | 33.1697 | 41.2477 | 8.078 | 44.592 | 33.4848 | 0.3151 | 71.9749 | 34.333 | 1.1633 | 73.7967 |
| 5/12/2025 | 1:00:00 AM | 33.1663 | 41.25 | 8.0837 | 44.5863 | 33.4822 | 0.3159 | 71.9741 | 34.3326 | 1.1663 | 73.7937 |
| 5/12/2025 | 2:00:00 AM | 33.1581 | 41.2463 | 8.0882 | 44.5818 | 33.4783 | 0.3202 | 71.9698 | 34.3302 | 1.1721 | 73.7879 |
| 5/12/2025 | 3:00:00 AM | 33.1613 | 41.251 | 8.0897 | 44.5803 | 33.48 | 0.3187 | 71.9713 | 34.332 | 1.1707 | 73.7893 |
| 5/12/2025 | 4:00:00 AM | 33.1611 | 41.257 | 8.0959 | 44.5741 | 33.4811 | 0.32 | 71.97 | 34.3323 | 1.1712 | 73.7888 |
| 5/12/2025 | 5:00:00 AM | 33.1558 | 41.2545 | 8.0987 | 44.5713 | 33.4774 | 0.3216 | 71.9684 | 34.3312 | 1.1754 | 73.7846 |
| 5/12/2025 | 6:00:00 AM | 33.163 | 41.2621 | 8.0991 | 44.5709 | 33.482 | 0.319 | 71.971 | 34.3319 | 1.1689 | 73.7911 |
| 5/12/2025 | 7:00:00 AM | 33.1773 | 41.2759 | 8.0986 | 44.5714 | 33.493 | 0.3157 | 71.9743 | 34.3356 | 1.1583 | 73.8017 |
| 5/12/2025 | 8:00:00 AM | 33.1792 | 41.2784 | 8.0992 | 44.5708 | 33.4942 | 0.315 | 71.975 | 34.335 | 1.1558 | 73.8042 |
| 5/12/2025 | 9:00:00 AM | 33.1839 | 41.2835 | 8.0996 | 44.5704 | 33.498 | 0.3141 | 71.9759 | 34.3348 | 1.1509 | 73.8091 |
| 5/12/2025 | 10:00:00 AM | 33.1817 | 41.2807 | 8.099 | 44.571 | 33.4989 | 0.3172 | 71.9728 | 34.3329 | 1.1512 | 73.8088 |
| 5/12/2025 | 11:00:00 AM | 33.1929 | 41.2916 | 8.0987 | 44.5713 | 33.5065 | 0.3136 | 71.9764 | 34.3365 | 1.1436 | 73.8164 |
| 5/12/2025 | 12:00:00 PM | 33.2059 | 41.3001 | 8.0942 | 44.5758 | 33.5149 | 0.309 | 71.981 | 34.3376 | 1.1317 | 73.8283 |
| 5/12/2025 | 1:00:00 PM | 33.2074 | 41.3027 | 8.0953 | 44.5747 | 33.5167 | 0.3093 | 71.9807 | 34.3371 | 1.1297 | 73.8303 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/12/2025 | 2:00:00 PM | 33.2102 | 41.3058 | 8.0956 | 44.5744 | 33.5197 | 0.3095 | 71.9805 | 34.3373 | 1.1271 | 73.8329 |
| 5/12/2025 | 3:00:00 PM | 33.2113 | 41.3065 | 8.0952 | 44.5748 | 33.5222 | 0.3109 | 71.9791 | 34.3373 | 1.126 | 73.834 |
| 5/12/2025 | 4:00:00 PM | 33.2003 | 41.2997 | 8.0994 | 44.5706 | 33.5181 | 0.3178 | 71.9722 | 34.3353 | 1.135 | 73.825 |
| 5/12/2025 | 5:00:00 PM | 33.2057 | 41.3035 | 8.0978 | 44.5722 | 33.519 | 0.3133 | 71.9767 | 34.3374 | 1.1317 | 73.8283 |
| 5/12/2025 | 6:00:00 PM | 33.2174 | 41.3132 | 8.0958 | 44.5742 | 33.5265 | 0.3091 | 71.9809 | 34.3403 | 1.1229 | 73.8371 |
| 5/12/2025 | 7:00:00 PM | 33.2268 | 41.3204 | 8.0936 | 44.5764 | 33.5337 | 0.3069 | 71.9831 | 34.3416 | 1.1148 | 73.8452 |
| 5/12/2025 | 8:00:00 PM | 33.2494 | 41.3395 | 8.0901 | 44.5799 | 33.554 | 0.3046 | 71.9854 | 34.3446 | 1.0952 | 73.8648 |
| 5/12/2025 | 9:00:00 PM | 33.2702 | 41.3557 | 8.0855 | 44.5845 | 33.5711 | 0.3009 | 71.9891 | 34.3494 | 1.0792 | 73.8808 |
| 5/12/2025 | 10:00:00 PM | 33.2948 | 41.3737 | 8.0789 | 44.5911 | 33.5963 | 0.3015 | 71.9885 | 34.3522 | 1.0574 | 73.9026 |
| 5/12/2025 | 11:00:00 PM | 33.3049 | 41.3808 | 8.0759 | 44.5941 | 33.6093 | 0.3044 | 71.9856 | 34.3533 | 1.0484 | 73.9116 |
| 5/13/2025 | 12:00:00 AM | 33.3159 | 41.3852 | 8.0693 | 44.6007 | 33.6193 | 0.3034 | 71.9866 | 34.3527 | 1.0368 | 73.9232 |
| 5/13/2025 | 1:00:00 AM | 33.3287 | 41.392 | 8.0633 | 44.6067 | 33.6342 | 0.3055 | 71.9845 | 34.3547 | 1.026 | 73.934 |
| 5/13/2025 | 2:00:00 AM | 33.341 | 41.4009 | 8.0599 | 44.6101 | 33.6477 | 0.3067 | 71.9833 | 34.3551 | 1.0141 | 73.9459 |
| 5/13/2025 | 3:00:00 AM | 33.3524 | 41.4073 | 8.0549 | 44.6151 | 33.6597 | 0.3073 | 71.9827 | 34.3564 | 1.004 | 73.956 |
| 5/13/2025 | 4:00:00 AM | 33.378 | 41.425 | 8.047 | 44.623 | 33.6852 | 0.3072 | 71.9828 | 34.3603 | 0.9823 | 73.9777 |
| 5/13/2025 | 5:00:00 AM | 33.3884 | 41.4296 | 8.0412 | 44.6288 | 33.6958 | 0.3074 | 71.9826 | 34.3605 | 0.9721 | 73.9879 |
| 5/13/2025 | 6:00:00 AM | 33.4027 | 41.4377 | 8.035 | 44.635 | 33.7079 | 0.3052 | 71.9848 | 34.3621 | 0.9594 | 74.0006 |
| 5/13/2025 | 7:00:00 AM | 33.4198 | 41.4487 | 8.0289 | 44.6411 | 33.7285 | 0.3087 | 71.9813 | 34.3629 | 0.9431 | 74.0169 |
| 5/13/2025 | 8:00:00 AM | 33.4388 | 41.4598 | 8.021 | 44.649 | 33.7457 | 0.3069 | 71.9831 | 34.3632 | 0.9244 | 74.0356 |
| 5/13/2025 | 9:00:00 AM | 33.4558 | 41.4667 | 8.0109 | 44.6591 | 33.7633 | 0.3075 | 71.9825 | 34.3637 | 0.9079 | 74.0521 |
| 5/13/2025 | 10:00:00 AM | 33.467 | 41.469 | 8.002 | 44.668 | 33.7744 | 0.3074 | 71.9826 | 34.3625 | 0.8955 | 74.0645 |
| 5/13/2025 | 11:00:00 AM | 33.4799 | 41.4724 | 7.9925 | 44.6775 | 33.7903 | 0.3104 | 71.9796 | 34.3617 | 0.8818 | 74.0782 |
| 5/13/2025 | 12:00:00 PM | 33.4715 | 41.4566 | 7.9851 | 44.6849 | 33.7845 | 0.313 | 71.977 | 34.3565 | 0.885 | 74.075 |
| 5/13/2025 | 1:00:00 PM | 33.4623 | 41.4445 | 7.9822 | 44.6878 | 33.7759 | 0.3136 | 71.9764 | 34.3546 | 0.8923 | 74.0677 |
| 5/13/2025 | 2:00:00 PM | 33.4734 | 41.4474 | 7.974 | 44.696 | 33.7835 | 0.3101 | 71.9799 | 34.3559 | 0.8825 | 74.0775 |
| 5/13/2025 | 3:00:00 PM | 33.48 | 41.4459 | 7.9659 | 44.7041 | 33.7854 | 0.3054 | 71.9846 | 34.3548 | 0.8748 | 74.0852 |
| 5/13/2025 | 4:00:00 PM | 33.4789 | 41.4414 | 7.9625 | 44.7075 | 33.7829 | 0.304 | 71.986 | 34.3537 | 0.8748 | 74.0852 |
| 5/13/2025 | 5:00:00 PM | 33.478 | 41.4346 | 7.9566 | 44.7134 | 33.7814 | 0.3034 | 71.9866 | 34.3525 | 0.8745 | 74.0855 |
| 5/13/2025 | 6:00:00 PM | 33.4685 | 41.4229 | 7.9544 | 44.7156 | 33.7735 | 0.305 | 71.985 | 34.352 | 0.8835 | 74.0765 |
| 5/13/2025 | 7:00:00 PM | 33.4675 | 41.4182 | 7.9507 | 44.7193 | 33.7708 | 0.3033 | 71.9867 | 34.3493 | 0.8818 | 74.0782 |
| 5/13/2025 | 8:00:00 PM | 33.4779 | 41.4248 | 7.9469 | 44.7231 | 33.7775 | 0.2996 | 71.9904 | 34.351 | 0.8731 | 74.0869 |
| 5/13/2025 | 9:00:00 PM | 33.4824 | 41.4252 | 7.9428 | 44.7272 | 33.78 | 0.2976 | 71.9924 | 34.3495 | 0.8671 | 74.0929 |
| 5/13/2025 | 10:00:00 PM | 33.4909 | 41.4283 | 7.9374 | 44.7326 | 33.7843 | 0.2934 | 71.9966 | 34.3501 | 0.8592 | 74.1008 |
| 5/13/2025 | 11:00:00 PM | 33.49 | 41.4233 | 7.9333 | 44.7367 | 33.7843 | 0.2943 | 71.9957 | 34.3475 | 0.8575 | 74.1025 |
| 5/14/2025 | 12:00:00 AM | 33.4876 | 41.4175 | 7.9299 | 44.7401 | 33.7823 | 0.2947 | 71.9953 | 34.3463 | 0.8587 | 74.1013 |
| 5/14/2025 | 1:00:00 AM | 33.4933 | 41.4213 | 7.928 | 44.742 | 33.7865 | 0.2932 | 71.9968 | 34.3465 | 0.8532 | 74.1068 |
| 5/14/2025 | 2:00:00 AM | 33.4988 | 41.4213 | 7.9225 | 44.7475 | 33.7906 | 0.2918 | 71.9982 | 34.3448 | 0.846 | 74.114 |
| 5/14/2025 | 3:00:00 AM | 33.5006 | 41.4191 | 7.9185 | 44.7515 | 33.7916 | 0.291 | 71.999 | 34.3435 | 0.8429 | 74.1171 |
| 5/14/2025 | 4:00:00 AM | 33.5083 | 41.4203 | 7.912 | 44.758 | 33.7988 | 0.2905 | 71.9995 | 34.3446 | 0.8363 | 74.1237 |
| 5/14/2025 | 5:00:00 AM | 33.508 | 41.4192 | 7.9112 | 44.7588 | 33.8012 | 0.2932 | 71.9968 | 34.3434 | 0.8354 | 74.1246 |
| 5/14/2025 | 6:00:00 AM | 33.5156 | 41.4238 | 7.9082 | 44.7618 | 33.8052 | 0.2896 | 72.0004 | 34.3452 | 0.8296 | 74.1304 |
| 5/14/2025 | 7:00:00 AM | 33.5237 | 41.4264 | 7.9027 | 44.7673 | 33.8167 | 0.293 | 71.997 | 34.3463 | 0.8226 | 74.1374 |
| 5/14/2025 | 8:00:00 AM | 33.524 | 41.4226 | 7.8986 | 44.7714 | 33.8189 | 0.2949 | 71.9951 | 34.3441 | 0.8201 | 74.1399 |
| 5/14/2025 | 9:00:00 AM | 33.535 | 41.4297 | 7.8947 | 44.7753 | 33.8248 | 0.2898 | 72.0002 | 34.345 | 0.81 | 74.15 |
| 5/14/2025 | 10:00:00 AM | 33.5456 | 41.434 | 7.8884 | 44.7816 | 33.8345 | 0.2889 | 72.0011 | 34.3465 | 0.8009 | 74.1591 |
| 5/14/2025 | 11:00:00 AM | 33.554 | 41.4366 | 7.8826 | 44.7874 | 33.8412 | 0.2872 | 72.0028 | 34.3459 | 0.7919 | 74.1681 |
| 5/14/2025 | 12:00:00 PM | 33.5537 | 41.4341 | 7.8804 | 44.7896 | 33.8425 | 0.2888 | 72.0012 | 34.3434 | 0.7897 | 74.1703 |
| 5/14/2025 | 1:00:00 PM | 33.562 | 41.4358 | 7.8738 | 44.7962 | 33.8472 | 0.2852 | 72.0048 | 34.3448 | 0.7828 | 74.1772 |
| 5/14/2025 | 2:00:00 PM | 33.5651 | 41.4341 | 7.869 | 44.801 | 33.8497 | 0.2846 | 72.0054 | 34.3438 | 0.7787 | 74.1813 |
| 5/14/2025 | 3:00:00 PM | 33.5619 | 41.4269 | 7.865 | 44.805 | 33.8475 | 0.2856 | 72.0044 | 34.342 | 0.7801 | 74.1799 |
| 5/14/2025 | 4:00:00 PM | 33.5673 | 41.4273 | 7.86 | 44.81 | 33.8498 | 0.2825 | 72.0075 | 34.3424 | 0.7751 | 74.1849 |
| 5/14/2025 | 5:00:00 PM | 33.5744 | 41.4311 | 7.8567 | 44.8133 | 33.8541 | 0.2797 | 72.0103 | 34.3435 | 0.7691 | 74.1909 |
| 5/14/2025 | 6:00:00 PM | 33.5703 | 41.4243 | 7.854 | 44.816 | 33.8512 | 0.2809 | 72.0091 | 34.3416 | 0.7713 | 74.1887 |
| 5/14/2025 | 7:00:00 PM | 33.5621 | 41.4132 | 7.8511 | 44.8189 | 33.8455 | 0.2834 | 72.0066 | 34.3401 | 0.778 | 74.182 |
| 5/14/2025 | 8:00:00 PM | 33.5737 | 41.4209 | 7.8472 | 44.8228 | 33.8505 | 0.2768 | 72.0132 | 34.342 | 0.7683 | 74.1917 |
| 5/14/2025 | 9:00:00 PM | 33.5861 | 41.4297 | 7.8436 | 44.8264 | 33.8584 | 0.2723 | 72.0177 | 34.3438 | 0.7577 | 74.2023 |
| 5/14/2025 | 10:00:00 PM | 33.585 | 41.4266 | 7.8416 | 44.8284 | 33.859 | 0.274 | 72.016 | 34.341 | 0.756 | 74.204 |
| 5/14/2025 | 11:00:00 PM | 33.591 | 41.4282 | 7.8372 | 44.8328 | 33.8638 | 0.2728 | 72.0172 | 34.3417 | 0.7507 | 74.2093 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/15/2025 | 12:00:00 AM | 33.5846 | 41.4207 | 7.8361 | 44.8339 | 33.8583 | 0.2737 | 72.0163 | 34.3388 | 0.7542 | 74.2058 |
| 5/15/2025 | 1:00:00 AM | 33.5884 | 41.4201 | 7.8317 | 44.8383 | 33.8597 | 0.2713 | 72.0187 | 34.338 | 0.7496 | 74.2104 |
| 5/15/2025 | 2:00:00 AM | 33.5949 | 41.423 | 7.8281 | 44.8419 | 33.8643 | 0.2694 | 72.0206 | 34.3385 | 0.7436 | 74.2164 |
| 5/15/2025 | 3:00:00 AM | 33.6012 | 41.4255 | 7.8243 | 44.8457 | 33.8691 | 0.2679 | 72.0221 | 34.3375 | 0.7363 | 74.2237 |
| 5/15/2025 | 4:00:00 AM | 33.6018 | 41.4224 | 7.8206 | 44.8494 | 33.8685 | 0.2667 | 72.0233 | 34.3369 | 0.7351 | 74.2249 |
| 5/15/2025 | 5:00:00 AM | 33.6005 | 41.4177 | 7.8172 | 44.8528 | 33.8683 | 0.2678 | 72.0222 | 34.3362 | 0.7357 | 74.2243 |
| 5/15/2025 | 6:00:00 AM | 33.5927 | 41.4097 | 7.817 | 44.853 | 33.8629 | 0.2702 | 72.0198 | 34.3339 | 0.7412 | 74.2188 |
| 5/15/2025 | 7:00:00 AM | 33.5921 | 41.4074 | 7.8153 | 44.8547 | 33.8621 | 0.27 | 72.02 | 34.3339 | 0.7418 | 74.2182 |
| 5/15/2025 | 8:00:00 AM | 33.5933 | 41.4051 | 7.8118 | 44.8582 | 33.8612 | 0.2679 | 72.0221 | 34.3339 | 0.7406 | 74.2194 |
| 5/15/2025 | 9:00:00 AM | 33.5869 | 41.3984 | 7.8115 | 44.8585 | 33.8562 | 0.2693 | 72.0207 | 34.3321 | 0.7452 | 74.2148 |
| 5/15/2025 | 10:00:00 AM | 33.5792 | 41.3882 | 7.809 | 44.861 | 33.8506 | 0.2714 | 72.0186 | 34.33 | 0.7508 | 74.2092 |
| 5/15/2025 | 11:00:00 AM | 33.576 | 41.3827 | 7.8067 | 44.8633 | 33.8468 | 0.2708 | 72.0192 | 34.3295 | 0.7535 | 74.2065 |
| 5/15/2025 | 12:00:00 PM | 33.5728 | 41.379 | 7.8062 | 44.8638 | 33.8427 | 0.2699 | 72.0201 | 34.3293 | 0.7565 | 74.2035 |
| 5/15/2025 | 1:00:00 PM | 33.5703 | 41.3747 | 7.8044 | 44.8656 | 33.8395 | 0.2692 | 72.0208 | 34.3286 | 0.7583 | 74.2017 |
| 5/15/2025 | 2:00:00 PM | 33.5737 | 41.3753 | 7.8016 | 44.8684 | 33.8392 | 0.2655 | 72.0245 | 34.3284 | 0.7547 | 74.2053 |
| 5/15/2025 | 3:00:00 PM | 33.5788 | 41.3781 | 7.7993 | 44.8707 | 33.8397 | 0.2609 | 72.0291 | 34.3301 | 0.7513 | 74.2087 |
| 5/15/2025 | 4:00:00 PM | 33.5775 | 41.3767 | 7.7992 | 44.8708 | 33.8384 | 0.2609 | 72.0291 | 34.3305 | 0.753 | 74.207 |
| 5/15/2025 | 5:00:00 PM | 33.5703 | 41.3694 | 7.7991 | 44.8709 | 33.8328 | 0.2625 | 72.0275 | 34.3282 | 0.7579 | 74.2021 |
| 5/15/2025 | 6:00:00 PM | 33.5637 | 41.3642 | 7.8005 | 44.8695 | 33.8268 | 0.2631 | 72.0269 | 34.3272 | 0.7635 | 74.1965 |
| 5/15/2025 | 7:00:00 PM | 33.5555 | 41.3586 | 7.8031 | 44.8669 | 33.8207 | 0.2652 | 72.0248 | 34.328 | 0.7725 | 74.1875 |
| 5/15/2025 | 8:00:00 PM | 33.5519 | 41.3575 | 7.8056 | 44.8644 | 33.8167 | 0.2648 | 72.0252 | 34.3277 | 0.7758 | 74.1842 |
| 5/15/2025 | 9:00:00 PM | 33.5521 | 41.3578 | 7.8057 | 44.8643 | 33.8153 | 0.2632 | 72.0268 | 34.3285 | 0.7764 | 74.1836 |
| 5/15/2025 | 10:00:00 PM | 33.5596 | 41.3664 | 7.8068 | 44.8632 | 33.8173 | 0.2577 | 72.0323 | 34.3317 | 0.7721 | 74.1879 |
| 5/15/2025 | 11:00:00 PM | 33.5515 | 41.3607 | 7.8092 | 44.8608 | 33.8119 | 0.2604 | 72.0296 | 34.3295 | 0.778 | 74.182 |
| 5/16/2025 | 12:00:00 AM | 33.5509 | 41.3598 | 7.8089 | 44.8611 | 33.8103 | 0.2594 | 72.0306 | 34.3291 | 0.7782 | 74.1818 |
| 5/16/2025 | 1:00:00 AM | 33.5455 | 41.3562 | 7.8107 | 44.8593 | 33.8065 | 0.261 | 72.029 | 34.328 | 0.7825 | 74.1775 |
| 5/16/2025 | 2:00:00 AM | 33.5354 | 41.3517 | 7.8163 | 44.8537 | 33.7992 | 0.2638 | 72.0262 | 34.3273 | 0.7919 | 74.1681 |
| 5/16/2025 | 3:00:00 AM | 33.5304 | 41.346 | 7.8156 | 44.8544 | 33.7941 | 0.2637 | 72.0263 | 34.3265 | 0.7961 | 74.1639 |
| 5/16/2025 | 4:00:00 AM | 33.5266 | 41.3455 | 7.8189 | 44.8511 | 33.7907 | 0.2641 | 72.0259 | 34.3258 | 0.7992 | 74.1608 |
| 5/16/2025 | 5:00:00 AM | 33.5238 | 41.3456 | 7.8218 | 44.8482 | 33.7873 | 0.2635 | 72.0265 | 34.3263 | 0.8025 | 74.1575 |
| 5/16/2025 | 6:00:00 AM | 33.5171 | 41.3409 | 7.8238 | 44.8462 | 33.7835 | 0.2664 | 72.0236 | 34.3242 | 0.8071 | 74.1529 |
| 5/16/2025 | 7:00:00 AM | 33.5148 | 41.3406 | 7.8258 | 44.8442 | 33.7803 | 0.2655 | 72.0245 | 34.3242 | 0.8094 | 74.1506 |
| 5/16/2025 | 8:00:00 AM | 33.518 | 41.3434 | 7.8254 | 44.8446 | 33.7789 | 0.2609 | 72.0291 | 34.3258 | 0.8078 | 74.1522 |
| 5/16/2025 | 9:00:00 AM | 33.5179 | 41.3441 | 7.8262 | 44.8438 | 33.7781 | 0.2602 | 72.0298 | 34.3236 | 0.8057 | 74.1543 |
| 5/16/2025 | 10:00:00 AM | 33.5188 | 41.343 | 7.8242 | 44.8458 | 33.7757 | 0.2569 | 72.0331 | 34.3231 | 0.8043 | 74.1557 |
| 5/16/2025 | 11:00:00 AM | 33.5147 | 41.3404 | 7.8257 | 44.8443 | 33.7726 | 0.2579 | 72.0321 | 34.3225 | 0.8078 | 74.1522 |
| 5/16/2025 | 12:00:00 PM | 33.5031 | 41.3306 | 7.8275 | 44.8425 | 33.7645 | 0.2614 | 72.0286 | 34.3196 | 0.8165 | 74.1435 |
| 5/16/2025 | 1:00:00 PM | 33.4947 | 41.3224 | 7.8277 | 44.8423 | 33.7584 | 0.2637 | 72.0263 | 34.3182 | 0.8235 | 74.1365 |
| 5/16/2025 | 2:00:00 PM | 33.4853 | 41.3163 | 7.831 | 44.839 | 33.7498 | 0.2645 | 72.0255 | 34.3171 | 0.8318 | 74.1282 |
| 5/16/2025 | 3:00:00 PM | 33.4656 | 41.3014 | 7.8358 | 44.8342 | 33.7361 | 0.2705 | 72.0195 | 34.3132 | 0.8476 | 74.1124 |
| 5/16/2025 | 4:00:00 PM | 33.4453 | 41.2862 | 7.8409 | 44.8291 | 33.718 | 0.2727 | 72.0173 | 34.3112 | 0.8659 | 74.0941 |
| 5/16/2025 | 5:00:00 PM | 33.4221 | 41.2704 | 7.8483 | 44.8217 | 33.7013 | 0.2792 | 72.0108 | 34.3096 | 0.8875 | 74.0725 |
| 5/16/2025 | 6:00:00 PM | 33.4015 | 41.2576 | 7.8561 | 44.8139 | 33.6844 | 0.2829 | 72.0071 | 34.308 | 0.9065 | 74.0535 |
| 5/16/2025 | 7:00:00 PM | 33.3767 | 41.2405 | 7.8638 | 44.8062 | 33.6643 | 0.2876 | 72.0024 | 34.305 | 0.9283 | 74.0317 |
| 5/16/2025 | 8:00:00 PM | 33.3641 | 41.237 | 7.8729 | 44.7971 | 33.6526 | 0.2885 | 72.0015 | 34.3056 | 0.9415 | 74.0185 |
| 5/16/2025 | 9:00:00 PM | 33.3543 | 41.2355 | 7.8812 | 44.7888 | 33.6442 | 0.2899 | 72.0001 | 34.305 | 0.9507 | 74.0093 |
| 5/16/2025 | 10:00:00 PM | 33.3522 | 41.2384 | 7.8862 | 44.7838 | 33.64 | 0.2878 | 72.0022 | 34.3057 | 0.9535 | 74.0065 |
| 5/16/2025 | 11:00:00 PM | 33.3321 | 41.229 | 7.8969 | 44.7731 | 33.6252 | 0.2931 | 71.9969 | 34.3042 | 0.9721 | 73.9879 |
| 5/17/2025 | 12:00:00 AM | 33.3221 | 41.2243 | 7.9022 | 44.7678 | 33.6166 | 0.2945 | 71.9955 | 34.3032 | 0.9811 | 73.9789 |
| 5/17/2025 | 1:00:00 AM | 33.3158 | 41.227 | 7.9112 | 44.7588 | 33.6105 | 0.2947 | 71.9953 | 34.3035 | 0.9877 | 73.9723 |
| 5/17/2025 | 2:00:00 AM | 33.3027 | 41.2205 | 7.9178 | 44.7522 | 33.601 | 0.2983 | 71.9917 | 34.302 | 0.9993 | 73.9607 |
| 5/17/2025 | 3:00:00 AM | 33.2918 | 41.217 | 7.9252 | 44.7448 | 33.5926 | 0.3008 | 71.9892 | 34.3007 | 1.0089 | 73.9511 |
| 5/17/2025 | 4:00:00 AM | 33.28 | 41.2157 | 7.9357 | 44.7343 | 33.5825 | 0.3025 | 71.9875 | 34.2997 | 1.0197 | 73.9403 |
| 5/17/2025 | 5:00:00 AM | 33.2756 | 41.2163 | 7.9407 | 44.7293 | 33.5771 | 0.3015 | 71.9885 | 34.2998 | 1.0242 | 73.9358 |
| 5/17/2025 | 6:00:00 AM | 33.2663 | 41.2159 | 7.9496 | 44.7204 | 33.572 | 0.3057 | 71.9843 | 34.2991 | 1.0328 | 73.9272 |
| 5/17/2025 | 7:00:00 AM | 33.2708 | 41.2245 | 7.9537 | 44.7163 | 33.5724 | 0.3016 | 71.9884 | 34.3015 | 1.0307 | 73.9293 |
| 5/17/2025 | 8:00:00 AM | 33.2658 | 41.2255 | 7.9597 | 44.7103 | 33.5703 | 0.3045 | 71.9855 | 34.3012 | 1.0354 | 73.9246 |
| 5/17/2025 | 9:00:00 AM | 33.2742 | 41.2401 | 7.9659 | 44.7041 | 33.574 | 0.2998 | 71.9902 | 34.3041 | 1.0299 | 73.9301 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/17/2025 | 10:00:00 AM | 33.2917 | 41.2555 | 7.9638 | 44.7062 | 33.5858 | 0.2941 | 71.9959 | 34.3072 | 1.0155 | 73.9445 |
| 5/17/2025 | 11:00:00 AM | 33.3048 | 41.2701 | 7.9653 | 44.7047 | 33.5943 | 0.2895 | 72.0005 | 34.3092 | 1.0044 | 73.9556 |
| 5/17/2025 | 12:00:00 PM | 33.3151 | 41.2795 | 7.9644 | 44.7056 | 33.6012 | 0.2861 | 72.0039 | 34.3091 | 0.994 | 73.966 |
| 5/17/2025 | 1:00:00 PM | 33.3302 | 41.2915 | 7.9613 | 44.7087 | 33.6096 | 0.2794 | 72.0106 | 34.3104 | 0.9802 | 73.9798 |
| 5/17/2025 | 2:00:00 PM | 33.3358 | 41.2975 | 7.9617 | 44.7083 | 33.6133 | 0.2775 | 72.0125 | 34.3113 | 0.9755 | 73.9845 |
| 5/17/2025 | 3:00:00 PM | 33.353 | 41.3103 | 7.9573 | 44.7127 | 33.6257 | 0.2727 | 72.0173 | 34.3143 | 0.9613 | 73.9987 |
| 5/17/2025 | 4:00:00 PM | 33.3639 | 41.3197 | 7.9558 | 44.7142 | 33.6334 | 0.2695 | 72.0205 | 34.3155 | 0.9516 | 74.0084 |
| 5/17/2025 | 5:00:00 PM | 33.3674 | 41.3218 | 7.9544 | 44.7156 | 33.6358 | 0.2684 | 72.0216 | 34.3148 | 0.9474 | 74.0126 |
| 5/17/2025 | 6:00:00 PM | 33.374 | 41.3266 | 7.9526 | 44.7174 | 33.6384 | 0.2644 | 72.0256 | 34.3172 | 0.9432 | 74.0168 |
| 5/17/2025 | 7:00:00 PM | 33.3771 | 41.3302 | 7.9531 | 44.7169 | 33.6423 | 0.2652 | 72.0248 | 34.3165 | 0.9394 | 74.0206 |
| 5/17/2025 | 8:00:00 PM | 33.3863 | 41.3358 | 7.9495 | 44.7205 | 33.6518 | 0.2655 | 72.0245 | 34.3187 | 0.9324 | 74.0276 |
| 5/17/2025 | 9:00:00 PM | 33.407 | 41.3524 | 7.9454 | 44.7246 | 33.6676 | 0.2606 | 72.0294 | 34.3232 | 0.9162 | 74.0438 |
| 5/17/2025 | 10:00:00 PM | 33.4279 | 41.3675 | 7.9396 | 44.7304 | 33.6882 | 0.2603 | 72.0297 | 34.3252 | 0.8973 | 74.0627 |
| 5/17/2025 | 11:00:00 PM | 33.4344 | 41.3727 | 7.9383 | 44.7317 | 33.6969 | 0.2625 | 72.0275 | 34.3274 | 0.893 | 74.067 |
| 5/18/2025 | 12:00:00 AM | 33.4463 | 41.3806 | 7.9343 | 44.7357 | 33.7099 | 0.2636 | 72.0264 | 34.3287 | 0.8824 | 74.0776 |
| 5/18/2025 | 1:00:00 AM | 33.4471 | 41.378 | 7.9309 | 44.7391 | 33.7137 | 0.2666 | 72.0234 | 34.3269 | 0.8798 | 74.0802 |
| 5/18/2025 | 2:00:00 AM | 33.4537 | 41.3813 | 7.9276 | 44.7424 | 33.7193 | 0.2656 | 72.0244 | 34.327 | 0.8733 | 74.0867 |
| 5/18/2025 | 3:00:00 AM | 33.4659 | 41.3874 | 7.9215 | 44.7485 | 33.7288 | 0.2629 | 72.0271 | 34.3279 | 0.862 | 74.098 |
| 5/18/2025 | 4:00:00 AM | 33.4753 | 41.3927 | 7.9174 | 44.7526 | 33.747 | 0.2717 | 72.0183 | 34.3279 | 0.8526 | 74.1074 |
| 5/18/2025 | 5:00:00 AM | 33.4774 | 41.3908 | 7.9134 | 44.7566 | 33.7487 | 0.2713 | 72.0187 | 34.3262 | 0.8488 | 74.1112 |
| 5/18/2025 | 6:00:00 AM | 33.4816 | 41.3908 | 7.9092 | 44.7608 | 33.7546 | 0.273 | 72.017 | 34.3263 | 0.8447 | 74.1153 |
| 5/18/2025 | 7:00:00 AM | 33.4959 | 41.3982 | 7.9023 | 44.7677 | 33.7641 | 0.2682 | 72.0218 | 34.3285 | 0.8326 | 74.1274 |
| 5/18/2025 | 8:00:00 AM | 33.5059 | 41.4026 | 7.8967 | 44.7733 | 33.7743 | 0.2684 | 72.0216 | 34.3287 | 0.8228 | 74.1372 |
| 5/18/2025 | 9:00:00 AM | 33.5276 | 41.4171 | 7.8895 | 44.7805 | 33.7936 | 0.266 | 72.024 | 34.3328 | 0.8052 | 74.1548 |
| 5/18/2025 | 10:00:00 AM | 33.5422 | 41.4247 | 7.8825 | 44.7875 | 33.8081 | 0.2659 | 72.0241 | 34.3341 | 0.7919 | 74.1681 |
| 5/18/2025 | 11:00:00 AM | 33.5561 | 41.4307 | 7.8746 | 44.7954 | 33.8215 | 0.2654 | 72.0246 | 34.3348 | 0.7787 | 74.1813 |
| 5/18/2025 | 12:00:00 PM | 33.5679 | 41.4349 | 7.867 | 44.803 | 33.8319 | 0.264 | 72.026 | 34.3351 | 0.7672 | 74.1928 |
| 5/18/2025 | 1:00:00 PM | 33.5705 | 41.4318 | 7.8613 | 44.8087 | 33.8365 | 0.266 | 72.024 | 34.3324 | 0.7619 | 74.1981 |
| 5/18/2025 | 2:00:00 PM | 33.573 | 41.425 | 7.852 | 44.818 | 33.8375 | 0.2645 | 72.0255 | 34.3314 | 0.7584 | 74.2016 |
| 5/18/2025 | 3:00:00 PM | 33.5815 | 41.4275 | 7.846 | 44.824 | 33.8431 | 0.2616 | 72.0284 | 34.332 | 0.7505 | 74.2095 |
| 5/18/2025 | 4:00:00 PM | 33.5772 | 41.4205 | 7.8433 | 44.8267 | 33.8392 | 0.262 | 72.028 | 34.331 | 0.7538 | 74.2062 |
| 5/18/2025 | 5:00:00 PM | 33.5786 | 41.4147 | 7.8361 | 44.8339 | 33.8387 | 0.2601 | 72.0299 | 34.3304 | 0.7518 | 74.2082 |
| 5/18/2025 | 6:00:00 PM | 33.5782 | 41.4115 | 7.8333 | 44.8367 | 33.8368 | 0.2586 | 72.0314 | 34.329 | 0.7508 | 74.2092 |
| 5/18/2025 | 7:00:00 PM | 33.5708 | 41.4001 | 7.8293 | 44.8407 | 33.8315 | 0.2607 | 72.0293 | 34.3258 | 0.755 | 74.205 |
| 5/18/2025 | 8:00:00 PM | 33.5652 | 41.3928 | 7.8276 | 44.8424 | 33.827 | 0.2618 | 72.0282 | 34.3247 | 0.7595 | 74.2005 |
| 5/18/2025 | 9:00:00 PM | 33.5627 | 41.3889 | 7.8262 | 44.8438 | 33.8249 | 0.2622 | 72.0278 | 34.3244 | 0.7617 | 74.1983 |
| 5/18/2025 | 10:00:00 PM | 33.5635 | 41.3872 | 7.8237 | 44.8463 | 33.8228 | 0.2593 | 72.0307 | 34.3248 | 0.7613 | 74.1987 |
| 5/18/2025 | 11:00:00 PM | 33.5403 | 41.3656 | 7.8253 | 44.8447 | 33.808 | 0.2677 | 72.0223 | 34.3206 | 0.7803 | 74.1797 |
| 5/19/2025 | 12:00:00 AM | 33.5248 | 41.3515 | 7.8267 | 44.8433 | 33.7958 | 0.271 | 72.019 | 34.3177 | 0.7929 | 74.1671 |
| 5/19/2025 | 1:00:00 AM | 33.5074 | 41.339 | 7.8316 | 44.8384 | 33.7843 | 0.2769 | 72.0131 | 34.3151 | 0.8077 | 74.1523 |
| 5/19/2025 | 2:00:00 AM | 33.4906 | 41.3248 | 7.8342 | 44.8358 | 33.7701 | 0.2795 | 72.0105 | 34.3128 | 0.8222 | 74.1378 |
| 5/19/2025 | 3:00:00 AM | 33.4546 | 41.2956 | 7.841 | 44.829 | 33.743 | 0.2884 | 72.0016 | 34.3062 | 0.8516 | 74.1084 |
| 5/19/2025 | 4:00:00 AM | 33.4224 | 41.2693 | 7.8469 | 44.8231 | 33.7181 | 0.2957 | 71.9943 | 34.3026 | 0.8802 | 74.0798 |
| 5/19/2025 | 5:00:00 AM | 33.3937 | 41.2514 | 7.8577 | 44.8123 | 33.6944 | 0.3007 | 71.9893 | 34.2993 | 0.9056 | 74.0544 |
| 5/19/2025 | 6:00:00 AM | 33.4024 | 41.2656 | 7.8632 | 44.8068 | 33.6972 | 0.2948 | 71.9952 | 34.305 | 0.9026 | 74.0574 |
| 5/19/2025 | 7:00:00 AM | 33.4026 | 41.269 | 7.8664 | 44.8036 | 33.6985 | 0.2959 | 71.9941 | 34.3065 | 0.9039 | 74.0561 |
| 5/19/2025 | 8:00:00 AM | 33.3808 | 41.2548 | 7.874 | 44.796 | 33.6786 | 0.2978 | 71.9922 | 34.3032 | 0.9224 | 74.0376 |
| 5/19/2025 | 9:00:00 AM | 33.3835 | 41.2594 | 7.8759 | 44.7941 | 33.6799 | 0.2964 | 71.9936 | 34.3049 | 0.9214 | 74.0386 |
| 5/19/2025 | 10:00:00 AM | 33.388 | 41.2662 | 7.8782 | 44.7918 | 33.6816 | 0.2936 | 71.9964 | 34.3049 | 0.9169 | 74.0431 |
| 5/19/2025 | 11:00:00 AM | 33.4071 | 41.2833 | 7.8762 | 44.7938 | 33.6928 | 0.2857 | 72.0043 | 34.3092 | 0.9021 | 74.0579 |
| 5/19/2025 | 12:00:00 PM | 33.4325 | 41.3056 | 7.8731 | 44.7969 | 33.7066 | 0.2741 | 72.0159 | 34.3137 | 0.8812 | 74.0788 |
| 5/19/2025 | 1:00:00 PM | 33.4323 | 41.306 | 7.8737 | 44.7963 | 33.7063 | 0.274 | 72.016 | 34.3113 | 0.879 | 74.081 |
| 5/19/2025 | 2:00:00 PM | 33.4427 | 41.3127 | 7.87 | 44.8 | 33.7108 | 0.2681 | 72.0219 | 34.3114 | 0.8687 | 74.0913 |
| 5/19/2025 | 3:00:00 PM | 33.4494 | 41.3165 | 7.8671 | 44.8029 | 33.7153 | 0.2659 | 72.0241 | 34.3116 | 0.8622 | 74.0978 |
| 5/19/2025 | 4:00:00 PM | 33.449 | 41.3149 | 7.8659 | 44.8041 | 33.7142 | 0.2652 | 72.0248 | 34.3113 | 0.8623 | 74.0977 |
| 5/19/2025 | 5:00:00 PM | 33.4552 | 41.3199 | 7.8647 | 44.8053 | 33.7143 | 0.2591 | 72.0309 | 34.3116 | 0.8564 | 74.1036 |
| 5/19/2025 | 6:00:00 PM | 33.462 | 41.3229 | 7.8609 | 44.8091 | 33.7189 | 0.2569 | 72.0331 | 34.3124 | 0.8504 | 74.1096 |
| 5/19/2025 | 7:00:00 PM | 33.4673 | 41.3282 | 7.8609 | 44.8091 | 33.7234 | 0.2561 | 72.0339 | 34.3133 | 0.846 | 74.114 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/19/2025 | 8:00:00 PM | 33.4812 | 41.3399 | 7.8587 | 44.8113 | 33.7316 | 0.2504 | 72.0396 | 34.3151 | 0.8339 | 74.1261 |
| 5/19/2025 | 9:00:00 PM | 33.4972 | 41.3519 | 7.8547 | 44.8153 | 33.7453 | 0.2481 | 72.0419 | 34.3185 | 0.8213 | 74.1387 |
| 5/19/2025 | 10:00:00 PM | 33.5096 | 41.3585 | 7.8489 | 44.8211 | 33.761 | 0.2514 | 72.0386 | 34.32 | 0.8104 | 74.1496 |
| 5/19/2025 | 11:00:00 PM | 33.5154 | 41.3627 | 7.8473 | 44.8227 | 33.768 | 0.2526 | 72.0374 | 34.3201 | 0.8047 | 74.1553 |
| 5/20/2025 | 12:00:00 AM | 33.5272 | 41.3706 | 7.8434 | 44.8266 | 33.776 | 0.2488 | 72.0412 | 34.3209 | 0.7937 | 74.1663 |
| 5/20/2025 | 1:00:00 AM | 33.5297 | 41.3696 | 7.8399 | 44.8301 | 33.7804 | 0.2507 | 72.0393 | 34.3208 | 0.7911 | 74.1689 |
| 5/20/2025 | 2:00:00 AM | 33.541 | 41.3761 | 7.8351 | 44.8349 | 33.7893 | 0.2483 | 72.0417 | 34.3217 | 0.7807 | 74.1793 |
| 5/20/2025 | 3:00:00 AM | 33.5502 | 41.3803 | 7.8301 | 44.8399 | 33.7974 | 0.2472 | 72.0428 | 34.3221 | 0.7719 | 74.1881 |
| 5/20/2025 | 4:00:00 AM | 33.557 | 41.3833 | 7.8263 | 44.8437 | 33.8051 | 0.2481 | 72.0419 | 34.3221 | 0.7651 | 74.1949 |
| 5/20/2025 | 5:00:00 AM | 33.563 | 41.3838 | 7.8208 | 44.8492 | 33.812 | 0.249 | 72.041 | 34.3218 | 0.7588 | 74.2012 |
| 5/20/2025 | 6:00:00 AM | 33.5728 | 41.3892 | 7.8164 | 44.8536 | 33.8245 | 0.2517 | 72.0383 | 34.3218 | 0.749 | 74.211 |
| 5/20/2025 | 7:00:00 AM | 33.5876 | 41.3955 | 7.8079 | 44.8621 | 33.8354 | 0.2478 | 72.0422 | 34.3233 | 0.7357 | 74.2243 |
| 5/20/2025 | 8:00:00 AM | 33.6071 | 41.4067 | 7.7996 | 44.8704 | 33.8534 | 0.2463 | 72.0437 | 34.3257 | 0.7186 | 74.2414 |
| 5/20/2025 | 9:00:00 AM | 33.6275 | 41.4196 | 7.7921 | 44.8779 | 33.8731 | 0.2456 | 72.0444 | 34.3282 | 0.7007 | 74.2593 |
| 5/20/2025 | 10:00:00 AM | 33.6349 | 41.419 | 7.7841 | 44.8859 | 33.8812 | 0.2463 | 72.0437 | 34.329 | 0.6941 | 74.2659 |
| 5/20/2025 | 11:00:00 AM | 33.634 | 41.4131 | 7.7791 | 44.8909 | 33.8816 | 0.2476 | 72.0424 | 34.3271 | 0.6931 | 74.2669 |
| 5/20/2025 | 12:00:00 PM | 33.6415 | 41.4128 | 7.7713 | 44.8987 | 33.8848 | 0.2433 | 72.0467 | 34.3273 | 0.6858 | 74.2742 |
| 5/20/2025 | 1:00:00 PM | 33.6476 | 41.4136 | 7.766 | 44.904 | 33.8906 | 0.243 | 72.047 | 34.3283 | 0.6807 | 74.2793 |
| 5/20/2025 | 2:00:00 PM | 33.6523 | 41.4109 | 7.7586 | 44.9114 | 33.8917 | 0.2394 | 72.0506 | 34.3277 | 0.6754 | 74.2846 |
| 5/20/2025 | 3:00:00 PM | 33.6691 | 41.4207 | 7.7516 | 44.9184 | 33.9048 | 0.2357 | 72.0543 | 34.3316 | 0.6625 | 74.2975 |
| 5/20/2025 | 4:00:00 PM | 33.654 | 41.4028 | 7.7488 | 44.9212 | 33.8957 | 0.2417 | 72.0483 | 34.3263 | 0.6723 | 74.2877 |
| 5/20/2025 | 5:00:00 PM | 33.6579 | 41.4021 | 7.7442 | 44.9258 | 33.8967 | 0.2388 | 72.0512 | 34.3262 | 0.6683 | 74.2917 |
| 5/20/2025 | 6:00:00 PM | 33.6606 | 41.401 | 7.7404 | 44.9296 | 33.8977 | 0.2371 | 72.0529 | 34.3269 | 0.6663 | 74.2937 |
| 5/20/2025 | 7:00:00 PM | 33.6687 | 41.4081 | 7.7394 | 44.9306 | 33.9029 | 0.2342 | 72.0558 | 34.3316 | 0.6629 | 74.2971 |
| 5/20/2025 | 8:00:00 PM | 33.6748 | 41.4084 | 7.7336 | 44.9364 | 33.906 | 0.2312 | 72.0588 | 34.3311 | 0.6563 | 74.3037 |
| 5/20/2025 | 9:00:00 PM | 33.6842 | 41.4133 | 7.7291 | 44.9409 | 33.9117 | 0.2275 | 72.0625 | 34.3328 | 0.6486 | 74.3114 |
| 5/20/2025 | 10:00:00 PM | 33.6993 | 41.4234 | 7.7241 | 44.9459 | 33.9262 | 0.2269 | 72.0631 | 34.3355 | 0.6362 | 74.3238 |
| 5/20/2025 | 11:00:00 PM | 33.7043 | 41.4228 | 7.7185 | 44.9515 | 33.9301 | 0.2258 | 72.0642 | 34.3342 | 0.6299 | 74.3301 |
| 5/21/2025 | 12:00:00 AM | 33.7107 | 41.4238 | 7.7131 | 44.9569 | 33.9364 | 0.2257 | 72.0643 | 34.3349 | 0.6242 | 74.3358 |
| 5/21/2025 | 1:00:00 AM | 33.72 | 41.4269 | 7.7069 | 44.9631 | 33.9436 | 0.2236 | 72.0664 | 34.3354 | 0.6154 | 74.3446 |
| 5/21/2025 | 2:00:00 AM | 33.7264 | 41.4281 | 7.7017 | 44.9683 | 33.9495 | 0.2231 | 72.0669 | 34.3354 | 0.609 | 74.351 |
| 5/21/2025 | 3:00:00 AM | 33.7274 | 41.425 | 7.6976 | 44.9724 | 33.9514 | 0.224 | 72.066 | 34.3342 | 0.6068 | 74.3532 |
| 5/21/2025 | 4:00:00 AM | 33.7312 | 41.4234 | 7.6922 | 44.9778 | 33.9533 | 0.2221 | 72.0679 | 34.3345 | 0.6033 | 74.3567 |
| 5/21/2025 | 5:00:00 AM | 33.7287 | 41.417 | 7.6883 | 44.9817 | 33.9503 | 0.2216 | 72.0684 | 34.3328 | 0.6041 | 74.3559 |
| 5/21/2025 | 6:00:00 AM | 33.7295 | 41.4137 | 7.6842 | 44.9858 | 33.952 | 0.2225 | 72.0675 | 34.332 | 0.6025 | 74.3575 |
| 5/21/2025 | 7:00:00 AM | 33.7306 | 41.4116 | 7.681 | 44.989 | 33.951 | 0.2204 | 72.0696 | 34.3318 | 0.6012 | 74.3588 |
| 5/21/2025 | 8:00:00 AM | 33.7287 | 41.4055 | 7.6768 | 44.9932 | 33.9488 | 0.2201 | 72.0699 | 34.331 | 0.6023 | 74.3577 |
| 5/21/2025 | 9:00:00 AM | 33.7295 | 41.4014 | 7.6719 | 44.9981 | 33.9471 | 0.2176 | 72.0724 | 34.3308 | 0.6013 | 74.3587 |
| 5/21/2025 | 10:00:00 AM | 33.7192 | 41.3911 | 7.6719 | 44.9981 | 33.9405 | 0.2213 | 72.0687 | 34.329 | 0.6098 | 74.3502 |
| 5/21/2025 | 11:00:00 AM | 33.7124 | 41.3832 | 7.6708 | 44.9992 | 33.9349 | 0.2225 | 72.0675 | 34.3282 | 0.6158 | 74.3442 |
| 5/21/2025 | 12:00:00 PM | 33.6956 | 41.3672 | 7.6716 | 44.9984 | 33.9202 | 0.2246 | 72.0654 | 34.3251 | 0.6295 | 74.3305 |
| 5/21/2025 | 1:00:00 PM | 33.6587 | 41.3347 | 7.676 | 44.994 | 33.8932 | 0.2345 | 72.0555 | 34.3195 | 0.6608 | 74.2992 |
| 5/21/2025 | 2:00:00 PM | 33.626 | 41.3082 | 7.6822 | 44.9878 | 33.8665 | 0.2405 | 72.0495 | 34.316 | 0.69 | 74.27 |
| 5/21/2025 | 3:00:00 PM | 33.5989 | 41.2891 | 7.6902 | 44.9798 | 33.8453 | 0.2464 | 72.0436 | 34.3133 | 0.7144 | 74.2456 |
| 5/21/2025 | 4:00:00 PM | 33.5791 | 41.2747 | 7.6956 | 44.9744 | 33.8253 | 0.2462 | 72.0438 | 34.3125 | 0.7334 | 74.2266 |
| 5/21/2025 | 5:00:00 PM | 33.5627 | 41.2663 | 7.7036 | 44.9664 | 33.8096 | 0.2469 | 72.0431 | 34.3122 | 0.7495 | 74.2105 |
| 5/21/2025 | 6:00:00 PM | 33.5441 | 41.2542 | 7.7101 | 44.9599 | 33.7919 | 0.2478 | 72.0422 | 34.3117 | 0.7676 | 74.1924 |
| 5/21/2025 | 7:00:00 PM | 33.5285 | 41.2477 | 7.7192 | 44.9508 | 33.7781 | 0.2496 | 72.0404 | 34.3098 | 0.7813 | 74.1787 |
| 5/21/2025 | 8:00:00 PM | 33.5158 | 41.2416 | 7.7258 | 44.9442 | 33.7646 | 0.2488 | 72.0412 | 34.3083 | 0.7925 | 74.1675 |
| 5/21/2025 | 9:00:00 PM | 33.5073 | 41.2399 | 7.7326 | 44.9374 | 33.7565 | 0.2492 | 72.0408 | 34.3091 | 0.8018 | 74.1582 |
| 5/21/2025 | 10:00:00 PM | 33.5037 | 41.2435 | 7.7398 | 44.9302 | 33.7519 | 0.2482 | 72.0418 | 34.311 | 0.8073 | 74.1527 |
| 5/21/2025 | 11:00:00 PM | 33.4904 | 41.2397 | 7.7493 | 44.9207 | 33.7408 | 0.2504 | 72.0396 | 34.3101 | 0.8197 | 74.1403 |
| 5/22/2025 | 12:00:00 AM | 33.479 | 41.237 | 7.758 | 44.912 | 33.7318 | 0.2528 | 72.0372 | 34.3105 | 0.8315 | 74.1285 |
| 5/22/2025 | 1:00:00 AM | 33.4742 | 41.2383 | 7.7641 | 44.9059 | 33.7272 | 0.253 | 72.037 | 34.3117 | 0.8375 | 74.1225 |
| 5/22/2025 | 2:00:00 AM | 33.4676 | 41.2386 | 7.771 | 44.899 | 33.7217 | 0.2541 | 72.0359 | 34.3113 | 0.8437 | 74.1163 |
| 5/22/2025 | 3:00:00 AM | 33.4698 | 41.2458 | 7.776 | 44.894 | 33.723 | 0.2532 | 72.0368 | 34.3133 | 0.8435 | 74.1165 |
| 5/22/2025 | 4:00:00 AM | 33.4765 | 41.2576 | 7.7811 | 44.8889 | 33.7277 | 0.2512 | 72.0388 | 34.3164 | 0.8399 | 74.1201 |
| 5/22/2025 | 5:00:00 AM | 33.4791 | 41.2626 | 7.7835 | 44.8865 | 33.7281 | 0.249 | 72.041 | 34.3163 | 0.8372 | 74.1228 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/22/2025 | 6:00:00 AM | 33.4821 | 41.267 | 7.7849 | 44.8851 | 33.7295 | 0.2474 | 72.0426 | 34.3177 | 0.8356 | 74.1244 |
| 5/22/2025 | 7:00:00 AM | 33.4865 | 41.2738 | 7.7873 | 44.8827 | 33.732 | 0.2455 | 72.0445 | 34.3183 | 0.8318 | 74.1282 |
| 5/22/2025 | 8:00:00 AM | 33.4945 | 41.2821 | 7.7876 | 44.8824 | 33.7356 | 0.2411 | 72.0489 | 34.3199 | 0.8254 | 74.1346 |
| 5/22/2025 | 9:00:00 AM | 33.5004 | 41.2877 | 7.7873 | 44.8827 | 33.7382 | 0.2378 | 72.0522 | 34.3215 | 0.8211 | 74.1389 |
| 5/22/2025 | 10:00:00 AM | 33.504 | 41.2904 | 7.7864 | 44.8836 | 33.7403 | 0.2363 | 72.0537 | 34.3214 | 0.8174 | 74.1426 |
| 5/22/2025 | 11:00:00 AM | 33.507 | 41.2936 | 7.7866 | 44.8834 | 33.7401 | 0.2331 | 72.0569 | 34.322 | 0.815 | 74.145 |
| 5/22/2025 | 12:00:00 PM | 33.5012 | 41.2896 | 7.7884 | 44.8816 | 33.7364 | 0.2352 | 72.0548 | 34.3226 | 0.8214 | 74.1386 |
| 5/22/2025 | 1:00:00 PM | 33.5052 | 41.2926 | 7.7874 | 44.8826 | 33.7362 | 0.231 | 72.059 | 34.323 | 0.8178 | 74.1422 |
| 5/22/2025 | 2:00:00 PM | 33.5074 | 41.2943 | 7.7869 | 44.8831 | 33.7354 | 0.228 | 72.062 | 34.3231 | 0.8157 | 74.1443 |
| 5/22/2025 | 3:00:00 PM | 33.5108 | 41.2986 | 7.7878 | 44.8822 | 33.7368 | 0.226 | 72.064 | 34.3249 | 0.8141 | 74.1459 |
| 5/22/2025 | 4:00:00 PM | 33.5067 | 41.2925 | 7.7858 | 44.8842 | 33.731 | 0.2243 | 72.0657 | 34.3228 | 0.8161 | 74.1439 |
| 5/22/2025 | 5:00:00 PM | 33.5139 | 41.2984 | 7.7845 | 44.8855 | 33.734 | 0.2201 | 72.0699 | 34.325 | 0.8111 | 74.1489 |
| 5/22/2025 | 6:00:00 PM | 33.515 | 41.3016 | 7.7866 | 44.8834 | 33.7342 | 0.2192 | 72.0708 | 34.324 | 0.809 | 74.151 |
| 5/22/2025 | 7:00:00 PM | 33.5207 | 41.3071 | 7.7864 | 44.8836 | 33.7365 | 0.2158 | 72.0742 | 34.3265 | 0.8058 | 74.1542 |
| 5/22/2025 | 8:00:00 PM | 33.5286 | 41.3121 | 7.7835 | 44.8865 | 33.7415 | 0.2129 | 72.0771 | 34.327 | 0.7984 | 74.1616 |
| 5/22/2025 | 9:00:00 PM | 33.5333 | 41.3159 | 7.7826 | 44.8874 | 33.7441 | 0.2108 | 72.0792 | 34.3281 | 0.7948 | 74.1652 |
| 5/22/2025 | 10:00:00 PM | 33.5481 | 41.3284 | 7.7803 | 44.8897 | 33.7553 | 0.2072 | 72.0828 | 34.331 | 0.7829 | 74.1771 |
| 5/22/2025 | 11:00:00 PM | 33.5581 | 41.3367 | 7.7786 | 44.8914 | 33.7624 | 0.2043 | 72.0857 | 34.3309 | 0.7728 | 74.1872 |
| 5/23/2025 | 12:00:00 AM | 33.558 | 41.3366 | 7.7786 | 44.8914 | 33.7638 | 0.2058 | 72.0842 | 34.3319 | 0.7739 | 74.1861 |
| 5/23/2025 | 1:00:00 AM | 33.5548 | 41.3343 | 7.7795 | 44.8905 | 33.7618 | 0.207 | 72.083 | 34.3311 | 0.7763 | 74.1837 |
| 5/23/2025 | 2:00:00 AM | 33.5492 | 41.3304 | 7.7812 | 44.8888 | 33.7579 | 0.2087 | 72.0813 | 34.3309 | 0.7817 | 74.1783 |
| 5/23/2025 | 3:00:00 AM | 33.5578 | 41.338 | 7.7802 | 44.8898 | 33.7614 | 0.2036 | 72.0864 | 34.3323 | 0.7745 | 74.1855 |
| 5/23/2025 | 4:00:00 AM | 33.5574 | 41.3384 | 7.781 | 44.889 | 33.7653 | 0.2079 | 72.0821 | 34.3324 | 0.775 | 74.185 |
| 5/23/2025 | 5:00:00 AM | 33.5542 | 41.335 | 7.7808 | 44.8892 | 33.7636 | 0.2094 | 72.0806 | 34.3297 | 0.7755 | 74.1845 |
| 5/23/2025 | 6:00:00 AM | 33.5577 | 41.3356 | 7.7779 | 44.8921 | 33.765 | 0.2073 | 72.0827 | 34.3306 | 0.7729 | 74.1871 |
| 5/23/2025 | 7:00:00 AM | 33.5714 | 41.3466 | 7.7752 | 44.8948 | 33.7791 | 0.2077 | 72.0823 | 34.3333 | 0.7619 | 74.1981 |
| 5/23/2025 | 8:00:00 AM | 33.571 | 41.3445 | 7.7735 | 44.8965 | 33.7809 | 0.2099 | 72.0801 | 34.3314 | 0.7604 | 74.1996 |
| 5/23/2025 | 9:00:00 AM | 33.5754 | 41.3467 | 7.7713 | 44.8987 | 33.7837 | 0.2083 | 72.0817 | 34.3323 | 0.7569 | 74.2031 |
| 5/23/2025 | 10:00:00 AM | 33.576 | 41.3432 | 7.7672 | 44.9028 | 33.7859 | 0.2099 | 72.0801 | 34.3331 | 0.7571 | 74.2029 |
| 5/23/2025 | 11:00:00 AM | 33.5765 | 41.3422 | 7.7657 | 44.9043 | 33.7856 | 0.2091 | 72.0809 | 34.3318 | 0.7553 | 74.2047 |
| 5/23/2025 | 12:00:00 PM | 33.5721 | 41.3381 | 7.766 | 44.904 | 33.7826 | 0.2105 | 72.0795 | 34.3318 | 0.7597 | 74.2003 |
| 5/23/2025 | 1:00:00 PM | 33.5527 | 41.3201 | 7.7674 | 44.9026 | 33.7701 | 0.2174 | 72.0726 | 34.3271 | 0.7744 | 74.1856 |
| 5/23/2025 | 2:00:00 PM | 33.5452 | 41.3143 | 7.7691 | 44.9009 | 33.7632 | 0.218 | 72.072 | 34.3274 | 0.7822 | 74.1778 |
| 5/23/2025 | 3:00:00 PM | 33.5373 | 41.3067 | 7.7694 | 44.9006 | 33.7558 | 0.2185 | 72.0715 | 34.3273 | 0.79 | 74.17 |
| 5/23/2025 | 4:00:00 PM | 33.535 | 41.3064 | 7.7714 | 44.8986 | 33.753 | 0.218 | 72.072 | 34.3274 | 0.7924 | 74.1676 |
| 5/23/2025 | 5:00:00 PM | 33.5381 | 41.3111 | 7.773 | 44.897 | 33.7535 | 0.2154 | 72.0746 | 34.3284 | 0.7903 | 74.1697 |
| 5/23/2025 | 6:00:00 PM | 33.5435 | 41.3157 | 7.7722 | 44.8978 | 33.7539 | 0.2104 | 72.0796 | 34.3302 | 0.7867 | 74.1733 |
| 5/23/2025 | 7:00:00 PM | 33.5447 | 41.3165 | 7.7718 | 44.8982 | 33.7546 | 0.2099 | 72.0801 | 34.3296 | 0.7849 | 74.1751 |
| 5/23/2025 | 8:00:00 PM | 33.5506 | 41.3216 | 7.771 | 44.899 | 33.7564 | 0.2058 | 72.0842 | 34.3299 | 0.7793 | 74.1807 |
| 5/23/2025 | 9:00:00 PM | 33.5597 | 41.3303 | 7.7706 | 44.8994 | 33.762 | 0.2023 | 72.0877 | 34.3327 | 0.773 | 74.187 |
| 5/23/2025 | 10:00:00 PM | 33.569 | 41.336 | 7.767 | 44.903 | 33.7688 | 0.1998 | 72.0902 | 34.333 | 0.764 | 74.196 |
| 5/23/2025 | 11:00:00 PM | 33.5644 | 41.3304 | 7.766 | 44.904 | 33.7665 | 0.2021 | 72.0879 | 34.3312 | 0.7668 | 74.1932 |
| 5/24/2025 | 12:00:00 AM | 33.5651 | 41.3324 | 7.7673 | 44.9027 | 33.7668 | 0.2017 | 72.0883 | 34.3317 | 0.7666 | 74.1934 |
| 5/24/2025 | 1:00:00 AM | 33.5624 | 41.3301 | 7.7677 | 44.9023 | 33.7672 | 0.2048 | 72.0852 | 34.3321 | 0.7697 | 74.1903 |
| 5/24/2025 | 2:00:00 AM | 33.5558 | 41.325 | 7.7692 | 44.9008 | 33.7622 | 0.2064 | 72.0836 | 34.3309 | 0.7751 | 74.1849 |
| 5/24/2025 | 3:00:00 AM | 33.546 | 41.3159 | 7.7699 | 44.9001 | 33.7566 | 0.2106 | 72.0794 | 34.3284 | 0.7824 | 74.1776 |
| 5/24/2025 | 4:00:00 AM | 33.5358 | 41.3091 | 7.7733 | 44.8967 | 33.7497 | 0.2139 | 72.0761 | 34.328 | 0.7922 | 74.1678 |
| 5/24/2025 | 5:00:00 AM | 33.5269 | 41.3042 | 7.7773 | 44.8927 | 33.7444 | 0.2175 | 72.0725 | 34.3258 | 0.7989 | 74.1611 |
| 5/24/2025 | 6:00:00 AM | 33.5214 | 41.2989 | 7.7775 | 44.8925 | 33.74 | 0.2186 | 72.0714 | 34.3247 | 0.8033 | 74.1567 |
| 5/24/2025 | 7:00:00 AM | 33.5212 | 41.2997 | 7.7785 | 44.8915 | 33.739 | 0.2178 | 72.0722 | 34.3254 | 0.8042 | 74.1558 |
| 5/24/2025 | 8:00:00 AM | 33.5079 | 41.2886 | 7.7807 | 44.8893 | 33.7311 | 0.2232 | 72.0668 | 34.3234 | 0.8155 | 74.1445 |
| 5/24/2025 | 9:00:00 AM | 33.4981 | 41.2802 | 7.7821 | 44.8879 | 33.7242 | 0.2261 | 72.0639 | 34.3219 | 0.8238 | 74.1362 |
| 5/24/2025 | 10:00:00 AM | 33.4862 | 41.2723 | 7.7861 | 44.8839 | 33.7166 | 0.2304 | 72.0596 | 34.3207 | 0.8345 | 74.1255 |
| 5/24/2025 | 11:00:00 AM | 33.4742 | 41.2621 | 7.7879 | 44.8821 | 33.7063 | 0.2321 | 72.0579 | 34.3197 | 0.8455 | 74.1145 |
| 5/24/2025 | 12:00:00 PM | 33.4698 | 41.2609 | 7.7911 | 44.8789 | 33.7007 | 0.2309 | 72.0591 | 34.3198 | 0.85 | 74.11 |
| 5/24/2025 | 1:00:00 PM | 33.4497 | 41.2445 | 7.7948 | 44.8752 | 33.685 | 0.2353 | 72.0547 | 34.3167 | 0.867 | 74.093 |
| 5/24/2025 | 2:00:00 PM | 33.4345 | 41.2364 | 7.8019 | 44.8681 | 33.6747 | 0.2402 | 72.0498 | 34.3165 | 0.882 | 74.078 |
| 5/24/2025 | 3:00:00 PM | 33.4197 | 41.2262 | 7.8065 | 44.8635 | 33.6594 | 0.2397 | 72.0503 | 34.3155 | 0.8958 | 74.0642 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/24/2025 | 4:00:00 PM | 33.406 | 41.2191 | 7.8131 | 44.8569 | 33.6479 | 0.2419 | 72.0481 | 34.3138 | 0.9078 | 74.0522 |
| 5/24/2025 | 5:00:00 PM | 33.3859 | 41.2062 | 7.8203 | 44.8497 | 33.6316 | 0.2457 | 72.0443 | 34.3133 | 0.9274 | 74.0326 |
| 5/24/2025 | 6:00:00 PM | 33.3832 | 41.2091 | 7.8259 | 44.8441 | 33.6275 | 0.2443 | 72.0457 | 34.314 | 0.9308 | 74.0292 |
| 5/24/2025 | 7:00:00 PM | 33.378 | 41.2101 | 7.8321 | 44.8379 | 33.6219 | 0.2439 | 72.0461 | 34.3145 | 0.9365 | 74.0235 |
| 5/24/2025 | 8:00:00 PM | 33.3765 | 41.2152 | 7.8387 | 44.8313 | 33.6205 | 0.244 | 72.046 | 34.3146 | 0.9381 | 74.0219 |
| 5/24/2025 | 9:00:00 PM | 33.3797 | 41.2216 | 7.8419 | 44.8281 | 33.6203 | 0.2406 | 72.0494 | 34.3168 | 0.9371 | 74.0229 |
| 5/24/2025 | 10:00:00 PM | 33.3855 | 41.2305 | 7.845 | 44.825 | 33.6226 | 0.2371 | 72.0529 | 34.3186 | 0.9331 | 74.0269 |
| 5/24/2025 | 11:00:00 PM | 33.3911 | 41.2388 | 7.8477 | 44.8223 | 33.6258 | 0.2347 | 72.0553 | 34.3208 | 0.9297 | 74.0303 |
| 5/25/2025 | 12:00:00 AM | 33.3848 | 41.2385 | 7.8537 | 44.8163 | 33.6233 | 0.2385 | 72.0515 | 34.3194 | 0.9346 | 74.0254 |
| 5/25/2025 | 1:00:00 AM | 33.3867 | 41.2453 | 7.8586 | 44.8114 | 33.6235 | 0.2368 | 72.0532 | 34.3206 | 0.9339 | 74.0261 |
| 5/25/2025 | 2:00:00 AM | 33.3942 | 41.2531 | 7.8589 | 44.8111 | 33.6279 | 0.2337 | 72.0563 | 34.3226 | 0.9284 | 74.0316 |
| 5/25/2025 | 3:00:00 AM | 33.4038 | 41.2633 | 7.8595 | 44.8105 | 33.6349 | 0.2311 | 72.0589 | 34.3247 | 0.9209 | 74.0391 |
| 5/25/2025 | 4:00:00 AM | 33.4081 | 41.2682 | 7.8601 | 44.8099 | 33.6384 | 0.2303 | 72.0597 | 34.3237 | 0.9156 | 74.0444 |
| 5/25/2025 | 5:00:00 AM | 33.4003 | 41.2646 | 7.8643 | 44.8057 | 33.6351 | 0.2348 | 72.0552 | 34.3221 | 0.9218 | 74.0382 |
| 5/25/2025 | 6:00:00 AM | 33.4174 | 41.2789 | 7.8615 | 44.8085 | 33.6447 | 0.2273 | 72.0627 | 34.3259 | 0.9085 | 74.0515 |
| 5/25/2025 | 7:00:00 AM | 33.4247 | 41.2853 | 7.8606 | 44.8094 | 33.6504 | 0.2257 | 72.0643 | 34.3265 | 0.9018 | 74.0582 |
| 5/25/2025 | 8:00:00 AM | 33.4351 | 41.2936 | 7.8585 | 44.8115 | 33.6614 | 0.2263 | 72.0637 | 34.3264 | 0.8913 | 74.0687 |
| 5/25/2025 | 9:00:00 AM | 33.4369 | 41.292 | 7.8551 | 44.8149 | 33.6635 | 0.2266 | 72.0634 | 34.3265 | 0.8896 | 74.0704 |
| 5/25/2025 | 10:00:00 AM | 33.433 | 41.288 | 7.855 | 44.815 | 33.6637 | 0.2307 | 72.0593 | 34.3247 | 0.8917 | 74.0683 |
| 5/25/2025 | 11:00:00 AM | 33.4239 | 41.2783 | 7.8544 | 44.8156 | 33.6593 | 0.2354 | 72.0546 | 34.3219 | 0.898 | 74.062 |
| 5/25/2025 | 12:00:00 PM | 33.4158 | 41.2703 | 7.8545 | 44.8155 | 33.6524 | 0.2366 | 72.0534 | 34.3216 | 0.9058 | 74.0542 |
| 5/25/2025 | 1:00:00 PM | 33.4004 | 41.2578 | 7.8574 | 44.8126 | 33.6419 | 0.2415 | 72.0485 | 34.3198 | 0.9194 | 74.0406 |
| 5/25/2025 | 2:00:00 PM | 33.3858 | 41.2467 | 7.8609 | 44.8091 | 33.6319 | 0.2461 | 72.0439 | 34.3177 | 0.9319 | 74.0281 |
| 5/25/2025 | 3:00:00 PM | 33.3752 | 41.2396 | 7.8644 | 44.8056 | 33.6237 | 0.2485 | 72.0415 | 34.3174 | 0.9422 | 74.0178 |
| 5/25/2025 | 4:00:00 PM | 33.3693 | 41.2373 | 7.868 | 44.802 | 33.6175 | 0.2482 | 72.0418 | 34.3175 | 0.9482 | 74.0118 |
| 5/25/2025 | 5:00:00 PM | 33.376 | 41.2453 | 7.8693 | 44.8007 | 33.619 | 0.243 | 72.047 | 34.3214 | 0.9454 | 74.0146 |
| 5/25/2025 | 6:00:00 PM | 33.3764 | 41.2483 | 7.8719 | 44.7981 | 33.6184 | 0.242 | 72.048 | 34.3225 | 0.9461 | 74.0139 |
| 5/25/2025 | 7:00:00 PM | 33.3746 | 41.25 | 7.8754 | 44.7946 | 33.6162 | 0.2416 | 72.0484 | 34.3216 | 0.947 | 74.013 |
| 5/25/2025 | 8:00:00 PM | 33.3751 | 41.2525 | 7.8774 | 44.7926 | 33.6159 | 0.2408 | 72.0492 | 34.3225 | 0.9474 | 74.0126 |
| 5/25/2025 | 9:00:00 PM | 33.3914 | 41.2669 | 7.8755 | 44.7945 | 33.6263 | 0.2349 | 72.0551 | 34.3255 | 0.9341 | 74.0259 |
| 5/25/2025 | 10:00:00 PM | 33.4086 | 41.2816 | 7.873 | 44.797 | 33.6412 | 0.2326 | 72.0574 | 34.328 | 0.9194 | 74.0406 |
| 5/25/2025 | 11:00:00 PM | 33.4084 | 41.2819 | 7.8735 | 44.7965 | 33.6398 | 0.2314 | 72.0586 | 34.3252 | 0.9168 | 74.0432 |
| 5/26/2025 | 12:00:00 AM | 33.4238 | 41.2933 | 7.8695 | 44.8005 | 33.6539 | 0.2301 | 72.0599 | 34.3284 | 0.9046 | 74.0554 |
| 5/26/2025 | 1:00:00 AM | 33.4405 | 41.3081 | 7.8676 | 44.8024 | 33.6749 | 0.2344 | 72.0556 | 34.3324 | 0.8919 | 74.0681 |
| 5/26/2025 | 2:00:00 AM | 33.4324 | 41.2993 | 7.8669 | 44.8031 | 33.6731 | 0.2407 | 72.0493 | 34.3288 | 0.8964 | 74.0636 |
| 5/26/2025 | 3:00:00 AM | 33.4363 | 41.3026 | 7.8663 | 44.8037 | 33.6771 | 0.2408 | 72.0492 | 34.3286 | 0.8923 | 74.0677 |
| 5/26/2025 | 4:00:00 AM | 33.439 | 41.3027 | 7.8637 | 44.8063 | 33.6795 | 0.2405 | 72.0495 | 34.33 | 0.891 | 74.069 |
| 5/26/2025 | 5:00:00 AM | 33.4283 | 41.2929 | 7.8646 | 44.8054 | 33.6743 | 0.246 | 72.044 | 34.3273 | 0.899 | 74.061 |
| 5/26/2025 | 6:00:00 AM | 33.4443 | 41.3061 | 7.8618 | 44.8082 | 33.6846 | 0.2403 | 72.0497 | 34.3305 | 0.8862 | 74.0738 |
| 5/26/2025 | 7:00:00 AM | 33.461 | 41.3162 | 7.8552 | 44.8148 | 33.702 | 0.241 | 72.049 | 34.333 | 0.872 | 74.088 |
| 5/26/2025 | 8:00:00 AM | 33.4784 | 41.3306 | 7.8522 | 44.8178 | 33.72 | 0.2416 | 72.0484 | 34.3362 | 0.8578 | 74.1022 |
| 5/26/2025 | 9:00:00 AM | 33.5023 | 41.3477 | 7.8454 | 44.8246 | 33.7447 | 0.2424 | 72.0476 | 34.3405 | 0.8382 | 74.1218 |
| 5/26/2025 | 10:00:00 AM | 33.5169 | 41.3548 | 7.8379 | 44.8321 | 33.7622 | 0.2453 | 72.0447 | 34.341 | 0.8241 | 74.1359 |
| 5/26/2025 | 11:00:00 AM | 33.5408 | 41.369 | 7.8282 | 44.8418 | 33.7836 | 0.2428 | 72.0472 | 34.345 | 0.8042 | 74.1558 |
| 5/26/2025 | 12:00:00 PM | 33.5668 | 41.3831 | 7.8163 | 44.8537 | 33.8063 | 0.2395 | 72.0505 | 34.3474 | 0.7806 | 74.1794 |
| 5/26/2025 | 1:00:00 PM | 33.5728 | 41.3821 | 7.8093 | 44.8607 | 33.816 | 0.2432 | 72.0468 | 34.3461 | 0.7733 | 74.1867 |
| 5/26/2025 | 2:00:00 PM | 33.586 | 41.3864 | 7.8004 | 44.8696 | 33.8245 | 0.2385 | 72.0515 | 34.3474 | 0.7614 | 74.1986 |
| 5/26/2025 | 3:00:00 PM | 33.5922 | 41.3866 | 7.7944 | 44.8756 | 33.8315 | 0.2393 | 72.0507 | 34.3476 | 0.7554 | 74.2046 |
| 5/26/2025 | 4:00:00 PM | 33.5954 | 41.3827 | 7.7873 | 44.8827 | 33.834 | 0.2386 | 72.0514 | 34.3474 | 0.752 | 74.208 |
| 5/26/2025 | 5:00:00 PM | 33.602 | 41.3841 | 7.7821 | 44.8879 | 33.8396 | 0.2376 | 72.0524 | 34.3494 | 0.7474 | 74.2126 |
| 5/26/2025 | 6:00:00 PM | 33.6178 | 41.3927 | 7.7749 | 44.8951 | 33.8528 | 0.235 | 72.055 | 34.3527 | 0.7349 | 74.2251 |
| 5/26/2025 | 7:00:00 PM | 33.628 | 41.3976 | 7.7696 | 44.9004 | 33.8611 | 0.2331 | 72.0569 | 34.3531 | 0.7251 | 74.2349 |
| 5/26/2025 | 8:00:00 PM | 33.6512 | 41.4113 | 7.7601 | 44.9099 | 33.8828 | 0.2316 | 72.0584 | 34.3558 | 0.7046 | 74.2554 |
| 5/26/2025 | 9:00:00 PM | 33.6704 | 41.4211 | 7.7507 | 44.9193 | 33.901 | 0.2306 | 72.0594 | 34.3587 | 0.6883 | 74.2717 |
| 5/26/2025 | 10:00:00 PM | 33.682 | 41.425 | 7.743 | 44.927 | 33.9136 | 0.2316 | 72.0584 | 34.359 | 0.677 | 74.283 |
| 5/26/2025 | 11:00:00 PM | 33.6778 | 41.4136 | 7.7358 | 44.9342 | 33.9123 | 0.2345 | 72.0555 | 34.3557 | 0.6779 | 74.2821 |
| 5/27/2025 | 12:00:00 AM | 33.6853 | 41.4159 | 7.7306 | 44.9394 | 33.9173 | 0.232 | 72.058 | 34.3573 | 0.672 | 74.288 |
| 5/27/2025 | 1:00:00 AM | 33.6924 | 41.4176 | 7.7252 | 44.9448 | 33.9235 | 0.2311 | 72.0589 | 34.3569 | 0.6645 | 74.2955 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/27/2025 | 2:00:00 AM | 33.6934 | 41.4114 | 7.718 | 44.952 | 33.9245 | 0.2311 | 72.0589 | 34.3555 | 0.6621 | 74.2979 |
| 5/27/2025 | 3:00:00 AM | 33.701 | 41.4134 | 7.7124 | 44.9576 | 33.9311 | 0.2301 | 72.0599 | 34.3558 | 0.6548 | 74.3052 |
| 5/27/2025 | 4:00:00 AM | 33.6987 | 41.4058 | 7.7071 | 44.9629 | 33.9306 | 0.2319 | 72.0581 | 34.3541 | 0.6554 | 74.3046 |
| 5/27/2025 | 5:00:00 AM | 33.7046 | 41.4084 | 7.7038 | 44.9662 | 33.9362 | 0.2316 | 72.0584 | 34.3555 | 0.6509 | 74.3091 |
| 5/27/2025 | 6:00:00 AM | 33.7206 | 41.4147 | 7.6941 | 44.9759 | 33.9469 | 0.2263 | 72.0637 | 34.3567 | 0.6361 | 74.3239 |
| 5/27/2025 | 7:00:00 AM | 33.7244 | 41.4133 | 7.6889 | 44.9811 | 33.9524 | 0.228 | 72.062 | 34.3564 | 0.632 | 74.328 |
| 5/27/2025 | 8:00:00 AM | 33.7174 | 41.4005 | 7.6831 | 44.9869 | 33.9482 | 0.2308 | 72.0592 | 34.3523 | 0.6349 | 74.3251 |
| 5/27/2025 | 9:00:00 AM | 33.7134 | 41.3921 | 7.6787 | 44.9913 | 33.9439 | 0.2305 | 72.0595 | 34.3516 | 0.6382 | 74.3218 |
| 5/27/2025 | 10:00:00 AM | 33.698 | 41.3745 | 7.6765 | 44.9935 | 33.9332 | 0.2352 | 72.0548 | 34.3471 | 0.6491 | 74.3109 |
| 5/27/2025 | 11:00:00 AM | 33.6807 | 41.3534 | 7.6727 | 44.9973 | 33.9187 | 0.238 | 72.052 | 34.3434 | 0.6627 | 74.2973 |
| 5/27/2025 | 12:00:00 PM | 33.661 | 41.3365 | 7.6755 | 44.9945 | 33.9039 | 0.2429 | 72.0471 | 34.3419 | 0.6809 | 74.2791 |
| 5/27/2025 | 1:00:00 PM | 33.6372 | 41.3155 | 7.6783 | 44.9917 | 33.884 | 0.2468 | 72.0432 | 34.3377 | 0.7005 | 74.2595 |
| 5/27/2025 | 2:00:00 PM | 33.6132 | 41.2941 | 7.6809 | 44.9891 | 33.8627 | 0.2495 | 72.0405 | 34.3345 | 0.7213 | 74.2387 |
| 5/27/2025 | 3:00:00 PM | 33.5656 | 41.2549 | 7.6893 | 44.9807 | 33.8243 | 0.2587 | 72.0313 | 34.3285 | 0.7629 | 74.1971 |
| 5/27/2025 | 4:00:00 PM | 33.536 | 41.2342 | 7.6982 | 44.9718 | 33.7993 | 0.2633 | 72.0267 | 34.3265 | 0.7905 | 74.1695 |
| 5/27/2025 | 5:00:00 PM | 33.5084 | 41.2165 | 7.7081 | 44.9619 | 33.7718 | 0.2634 | 72.0266 | 34.3233 | 0.8149 | 74.1451 |
| 5/27/2025 | 6:00:00 PM | 33.4823 | 41.203 | 7.7207 | 44.9493 | 33.7489 | 0.2666 | 72.0234 | 34.3222 | 0.8399 | 74.1201 |
| 5/27/2025 | 7:00:00 PM | 33.4548 | 41.1868 | 7.732 | 44.938 | 33.7244 | 0.2696 | 72.0204 | 34.3199 | 0.8651 | 74.0949 |
| 5/27/2025 | 8:00:00 PM | 33.4323 | 41.175 | 7.7427 | 44.9273 | 33.7044 | 0.2721 | 72.0179 | 34.3184 | 0.8861 | 74.0739 |
| 5/27/2025 | 9:00:00 PM | 33.4305 | 41.1812 | 7.7507 | 44.9193 | 33.7012 | 0.2707 | 72.0193 | 34.3202 | 0.8897 | 74.0703 |
| 5/27/2025 | 10:00:00 PM | 33.4354 | 41.1943 | 7.7589 | 44.9111 | 33.7035 | 0.2681 | 72.0219 | 34.3231 | 0.8877 | 74.0723 |
| 5/27/2025 | 11:00:00 PM | 33.4216 | 41.1882 | 7.7666 | 44.9034 | 33.6926 | 0.271 | 72.019 | 34.3196 | 0.898 | 74.062 |
| 5/28/2025 | 12:00:00 AM | 33.4104 | 41.1841 | 7.7737 | 44.8963 | 33.6848 | 0.2744 | 72.0156 | 34.3179 | 0.9075 | 74.0525 |
| 5/28/2025 | 1:00:00 AM | 33.3928 | 41.1775 | 7.7847 | 44.8853 | 33.6702 | 0.2774 | 72.0126 | 34.3167 | 0.9239 | 74.0361 |
| 5/28/2025 | 2:00:00 AM | 33.3673 | 41.1634 | 7.7961 | 44.8739 | 33.6487 | 0.2814 | 72.0086 | 34.3133 | 0.946 | 74.014 |
| 5/28/2025 | 3:00:00 AM | 33.338 | 41.1457 | 7.8077 | 44.8623 | 33.6035 | 0.2655 | 72.0245 | 34.3105 | 0.9725 | 73.9875 |
| 5/28/2025 | 4:00:00 AM | 33.3222 | 41.1412 | 7.819 | 44.851 | 33.5913 | 0.2691 | 72.0209 | 34.3089 | 0.9867 | 73.9733 |
| 5/28/2025 | 5:00:00 AM | 33.3095 | 41.1381 | 7.8286 | 44.8414 | 33.5816 | 0.2721 | 72.0179 | 34.3093 | 0.9998 | 73.9602 |
| 5/28/2025 | 6:00:00 AM | 33.3017 | 41.1385 | 7.8368 | 44.8332 | 33.5766 | 0.2749 | 72.0151 | 34.3088 | 1.0071 | 73.9529 |
| 5/28/2025 | 7:00:00 AM | 33.2962 | 41.1415 | 7.8453 | 44.8247 | 33.574 | 0.2778 | 72.0122 | 34.3092 | 1.013 | 73.947 |
| 5/28/2025 | 8:00:00 AM | 33.2912 | 41.1433 | 7.8521 | 44.8179 | 33.5697 | 0.2785 | 72.0115 | 34.3086 | 1.0174 | 73.9426 |
| 5/28/2025 | 9:00:00 AM | 33.2883 | 41.147 | 7.8587 | 44.8113 | 33.5672 | 0.2789 | 72.0111 | 34.309 | 1.0207 | 73.9393 |
| 5/28/2025 | 10:00:00 AM | 33.2826 | 41.1441 | 7.8615 | 44.8085 | 33.5644 | 0.2818 | 72.0082 | 34.3077 | 1.0251 | 73.9349 |
| 5/28/2025 | 11:00:00 AM | 33.2811 | 41.1472 | 7.8661 | 44.8039 | 33.5605 | 0.2794 | 72.0106 | 34.3069 | 1.0258 | 73.9342 |
| 5/28/2025 | 12:00:00 PM | 33.2799 | 41.1487 | 7.8688 | 44.8012 | 33.5594 | 0.2795 | 72.0105 | 34.3065 | 1.0266 | 73.9334 |
| 5/28/2025 | 1:00:00 PM | 33.2843 | 41.1541 | 7.8698 | 44.8002 | 33.5598 | 0.2755 | 72.0145 | 34.3064 | 1.0221 | 73.9379 |
| 5/28/2025 | 2:00:00 PM | 33.2812 | 41.1543 | 7.8731 | 44.7969 | 33.5576 | 0.2764 | 72.0136 | 34.3047 | 1.0235 | 73.9365 |
| 5/28/2025 | 3:00:00 PM | 33.2817 | 41.1561 | 7.8744 | 44.7956 | 33.5554 | 0.2737 | 72.0163 | 34.306 | 1.0243 | 73.9357 |
| 5/28/2025 | 4:00:00 PM | 33.2806 | 41.1572 | 7.8766 | 44.7934 | 33.5548 | 0.2742 | 72.0158 | 34.3046 | 1.024 | 73.936 |
| 5/28/2025 | 5:00:00 PM | 33.2947 | 41.1715 | 7.8768 | 44.7932 | 33.562 | 0.2673 | 72.0227 | 34.3062 | 1.0115 | 73.9485 |
| 5/28/2025 | 6:00:00 PM | 33.2976 | 41.1751 | 7.8775 | 44.7925 | 33.5622 | 0.2646 | 72.0254 | 34.3067 | 1.0091 | 73.9509 |
| 5/28/2025 | 7:00:00 PM | 33.3064 | 41.1845 | 7.8781 | 44.7919 | 33.5698 | 0.2634 | 72.0266 | 34.3083 | 1.0019 | 73.9581 |
| 5/28/2025 | 8:00:00 PM | 33.3298 | 41.2043 | 7.8745 | 44.7955 | 33.5833 | 0.2535 | 72.0365 | 34.3127 | 0.9829 | 73.9771 |
| 5/28/2025 | 9:00:00 PM | 33.3408 | 41.2146 | 7.8738 | 44.7962 | 33.5935 | 0.2527 | 72.0373 | 34.3136 | 0.9728 | 73.9872 |
| 5/28/2025 | 10:00:00 PM | 33.3716 | 41.2409 | 7.8693 | 44.8007 | 33.6179 | 0.2463 | 72.0437 | 34.318 | 0.9464 | 74.0136 |
| 5/28/2025 | 11:00:00 PM | 33.3976 | 41.2612 | 7.8636 | 44.8064 | 33.6453 | 0.2477 | 72.0423 | 34.3214 | 0.9238 | 74.0362 |
| 5/29/2025 | 12:00:00 AM | 33.413 | 41.2699 | 7.8569 | 44.8131 | 33.6642 | 0.2512 | 72.0388 | 34.3219 | 0.9089 | 74.0511 |
| 5/29/2025 | 1:00:00 AM | 33.4358 | 41.2859 | 7.8501 | 44.8199 | 33.6874 | 0.2516 | 72.0384 | 34.3255 | 0.8897 | 74.0703 |
| 5/29/2025 | 2:00:00 AM | 33.458 | 41.2967 | 7.8387 | 44.8313 | 33.7079 | 0.2499 | 72.0401 | 34.3274 | 0.8694 | 74.0906 |
| 5/29/2025 | 3:00:00 AM | 33.466 | 41.2998 | 7.8338 | 44.8362 | 33.7195 | 0.2535 | 72.0365 | 34.3275 | 0.8615 | 74.0985 |
| 5/29/2025 | 4:00:00 AM | 33.4562 | 41.2867 | 7.8305 | 44.8395 | 33.7168 | 0.2606 | 72.0294 | 34.324 | 0.8678 | 74.0922 |
| 5/29/2025 | 5:00:00 AM | 33.4732 | 41.297 | 7.8238 | 44.8462 | 33.726 | 0.2528 | 72.0372 | 34.3276 | 0.8544 | 74.1056 |
| 5/29/2025 | 6:00:00 AM | 33.4834 | 41.3016 | 7.8182 | 44.8518 | 33.7448 | 0.2614 | 72.0286 | 34.3299 | 0.8465 | 74.1135 |
| 5/29/2025 | 7:00:00 AM | 33.4913 | 41.3052 | 7.8139 | 44.8561 | 33.7468 | 0.2555 | 72.0345 | 34.3306 | 0.8393 | 74.1207 |
| 5/29/2025 | 8:00:00 AM | 33.4864 | 41.2942 | 7.8078 | 44.8622 | 33.7493 | 0.2629 | 72.0271 | 34.3283 | 0.8419 | 74.1181 |
| 5/29/2025 | 9:00:00 AM | 33.5016 | 41.3046 | 7.803 | 44.867 | 33.7609 | 0.2593 | 72.0307 | 34.3322 | 0.8306 | 74.1294 |
| 5/29/2025 | 10:00:00 AM | 33.5238 | 41.3183 | 7.7945 | 44.8755 | 33.7804 | 0.2566 | 72.0334 | 34.3352 | 0.8114 | 74.1486 |
| 5/29/2025 | 11:00:00 AM | 33.5528 | 41.336 | 7.7832 | 44.8868 | 33.8099 | 0.2571 | 72.0329 | 34.34 | 0.7872 | 74.1728 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/29/2025 | 12:00:00 PM | 33.6063 | 41.3745 | 7.7682 | 44.9018 | 33.8651 | 0.2588 | 72.0312 | 34.3705 | 0.7642 | 74.1958 |
| 5/29/2025 | 1:00:00 PM | 33.6423 | 41.3954 | 7.7531 | 44.9169 | 33.9009 | 0.2586 | 72.0314 | 34.375 | 0.7327 | 74.2273 |
| 5/29/2025 | 2:00:00 PM | 33.6773 | 41.415 | 7.7377 | 44.9323 | 33.9321 | 0.2548 | 72.0352 | 34.3787 | 0.7014 | 74.2586 |
| 5/29/2025 | 3:00:00 PM | 33.7009 | 41.4232 | 7.7223 | 44.9477 | 33.9549 | 0.254 | 72.036 | 34.3784 | 0.6775 | 74.2825 |
| 5/29/2025 | 4:00:00 PM | 33.7151 | 41.423 | 7.7079 | 44.9621 | 33.9674 | 0.2523 | 72.0377 | 34.3789 | 0.6638 | 74.2962 |
| 5/29/2025 | 5:00:00 PM | 33.7166 | 41.4154 | 7.6988 | 44.9712 | 33.973 | 0.2564 | 72.0336 | 34.3761 | 0.6595 | 74.3005 |
| 5/29/2025 | 6:00:00 PM | 33.7149 | 41.4036 | 7.6887 | 44.9813 | 33.9706 | 0.2557 | 72.0343 | 34.3739 | 0.659 | 74.301 |
| 5/29/2025 | 7:00:00 PM | 33.7043 | 41.3866 | 7.6823 | 44.9877 | 33.9611 | 0.2568 | 72.0332 | 34.3717 | 0.6674 | 74.2926 |
| 5/29/2025 | 8:00:00 PM | 33.7054 | 41.3828 | 7.6774 | 44.9926 | 33.9604 | 0.255 | 72.035 | 34.3702 | 0.6648 | 74.2952 |
| 5/29/2025 | 9:00:00 PM | 33.7065 | 41.3781 | 7.6716 | 44.9984 | 33.9596 | 0.2531 | 72.0369 | 34.3704 | 0.6639 | 74.2961 |
| 5/29/2025 | 10:00:00 PM | 33.7321 | 41.3948 | 7.6627 | 45.0073 | 33.9751 | 0.243 | 72.047 | 34.3738 | 0.6417 | 74.3183 |
| 5/29/2025 | 11:00:00 PM | 33.737 | 41.3933 | 7.6563 | 45.0137 | 33.9824 | 0.2454 | 72.0446 | 34.3731 | 0.6361 | 74.3239 |
| 5/30/2025 | 12:00:00 AM | 33.7466 | 41.3953 | 7.6487 | 45.0213 | 33.9887 | 0.2421 | 72.0479 | 34.3737 | 0.6271 | 74.3329 |
| 5/30/2025 | 1:00:00 AM | 33.7391 | 41.3828 | 7.6437 | 45.0263 | 33.9841 | 0.245 | 72.045 | 34.3716 | 0.6325 | 74.3275 |
| 5/30/2025 | 2:00:00 AM | 33.7103 | 41.3541 | 7.6438 | 45.0262 | 33.9659 | 0.2556 | 72.0344 | 34.3642 | 0.6539 | 74.3061 |
| 5/30/2025 | 3:00:00 AM | 33.7273 | 41.3645 | 7.6372 | 45.0328 | 33.9716 | 0.2443 | 72.0457 | 34.3677 | 0.6404 | 74.3196 |
| 5/30/2025 | 4:00:00 AM | 33.7212 | 41.3577 | 7.6365 | 45.0335 | 33.9678 | 0.2466 | 72.0434 | 34.3659 | 0.6447 | 74.3153 |
| 5/30/2025 | 5:00:00 AM | 33.7158 | 41.3501 | 7.6343 | 45.0357 | 33.9639 | 0.2481 | 72.0419 | 34.3645 | 0.6487 | 74.3113 |
| 5/30/2025 | 6:00:00 AM | 33.7136 | 41.3443 | 7.6307 | 45.0393 | 33.9589 | 0.2453 | 72.0447 | 34.364 | 0.6504 | 74.3096 |
| 5/30/2025 | 7:00:00 AM | 33.7108 | 41.3405 | 7.6297 | 45.0403 | 33.9569 | 0.2461 | 72.0439 | 34.3618 | 0.651 | 74.309 |
| 5/30/2025 | 8:00:00 AM | 33.7024 | 41.3302 | 7.6278 | 45.0422 | 33.9508 | 0.2484 | 72.0416 | 34.3599 | 0.6575 | 74.3025 |
| 5/30/2025 | 9:00:00 AM | 33.6874 | 41.3168 | 7.6294 | 45.0406 | 33.9381 | 0.2507 | 72.0393 | 34.358 | 0.6706 | 74.2894 |
| 5/30/2025 | 10:00:00 AM | 33.6865 | 41.3124 | 7.6259 | 45.0441 | 33.9341 | 0.2476 | 72.0424 | 34.3573 | 0.6708 | 74.2892 |
| 5/30/2025 | 11:00:00 AM | 33.6751 | 41.3022 | 7.6271 | 45.0429 | 33.9256 | 0.2505 | 72.0395 | 34.3543 | 0.6792 | 74.2808 |
| 5/30/2025 | 12:00:00 PM | 33.684 | 41.308 | 7.624 | 45.046 | 33.9269 | 0.2429 | 72.0471 | 34.3555 | 0.6715 | 74.2885 |
| 5/30/2025 | 1:00:00 PM | 33.6765 | 41.2988 | 7.6223 | 45.0477 | 33.9177 | 0.2412 | 72.0488 | 34.354 | 0.6775 | 74.2825 |
| 5/30/2025 | 2:00:00 PM | 33.649 | 41.2756 | 7.6266 | 45.0434 | 33.8962 | 0.2472 | 72.0428 | 34.3478 | 0.6988 | 74.2612 |
| 5/30/2025 | 3:00:00 PM | 33.6319 | 41.2606 | 7.6287 | 45.0413 | 33.8822 | 0.2503 | 72.0397 | 34.3462 | 0.7143 | 74.2457 |
| 5/30/2025 | 4:00:00 PM | 33.606 | 41.2408 | 7.6348 | 45.0352 | 33.8571 | 0.2511 | 72.0389 | 34.341 | 0.735 | 74.225 |
| 5/30/2025 | 5:00:00 PM | 33.5823 | 41.2235 | 7.6412 | 45.0288 | 33.8386 | 0.2563 | 72.0337 | 34.3388 | 0.7565 | 74.2035 |
| 5/30/2025 | 6:00:00 PM | 33.5582 | 41.2076 | 7.6494 | 45.0206 | 33.8165 | 0.2583 | 72.0317 | 34.3372 | 0.779 | 74.181 |
| 5/30/2025 | 7:00:00 PM | 33.5431 | 41.201 | 7.6579 | 45.0121 | 33.8011 | 0.258 | 72.032 | 34.3356 | 0.7925 | 74.1675 |
| 5/30/2025 | 8:00:00 PM | 33.5303 | 41.1943 | 7.664 | 45.006 | 33.7893 | 0.259 | 72.031 | 34.3357 | 0.8054 | 74.1546 |
| 5/30/2025 | 9:00:00 PM | 33.5207 | 41.1955 | 7.6748 | 44.9952 | 33.7794 | 0.2587 | 72.0313 | 34.3351 | 0.8144 | 74.1456 |
| 5/30/2025 | 10:00:00 PM | 33.515 | 41.1961 | 7.6811 | 44.9889 | 33.7725 | 0.2575 | 72.0325 | 34.3358 | 0.8208 | 74.1392 |
| 5/30/2025 | 11:00:00 PM | 33.5183 | 41.2057 | 7.6874 | 44.9826 | 33.7703 | 0.252 | 72.038 | 34.3372 | 0.8189 | 74.1411 |
| 5/31/2025 | 12:00:00 AM | 33.5057 | 41.2003 | 7.6946 | 44.9754 | 33.7656 | 0.2599 | 72.0301 | 34.3348 | 0.8291 | 74.1309 |
| 5/31/2025 | 1:00:00 AM | 33.5111 | 41.2083 | 7.6972 | 44.9728 | 33.7647 | 0.2536 | 72.0364 | 34.3363 | 0.8252 | 74.1348 |
| 5/31/2025 | 2:00:00 AM | 33.5026 | 41.2057 | 7.7031 | 44.9669 | 33.7575 | 0.2549 | 72.0351 | 34.3357 | 0.8331 | 74.1269 |
| 5/31/2025 | 3:00:00 AM | 33.4954 | 41.2057 | 7.7103 | 44.9597 | 33.7523 | 0.2569 | 72.0331 | 34.3332 | 0.8378 | 74.1222 |
| 5/31/2025 | 4:00:00 AM | 33.4839 | 41.1995 | 7.7156 | 44.9544 | 33.7423 | 0.2584 | 72.0316 | 34.3318 | 0.8479 | 74.1121 |
| 5/31/2025 | 5:00:00 AM | 33.4753 | 41.196 | 7.7207 | 44.9493 | 33.7349 | 0.2596 | 72.0304 | 34.3308 | 0.8555 | 74.1045 |
| 5/31/2025 | 6:00:00 AM | 33.4892 | 41.213 | 7.7238 | 44.9462 | 33.7419 | 0.2527 | 72.0373 | 34.3335 | 0.8443 | 74.1157 |
| 5/31/2025 | 7:00:00 AM | 33.4922 | 41.2179 | 7.7257 | 44.9443 | 33.7457 | 0.2535 | 72.0365 | 34.3352 | 0.843 | 74.117 |
| 5/31/2025 | 8:00:00 AM | 33.5152 | 41.2383 | 7.7231 | 44.9469 | 33.7575 | 0.2423 | 72.0477 | 34.3415 | 0.8263 | 74.1337 |
| 5/31/2025 | 9:00:00 AM | 33.5319 | 41.2527 | 7.7208 | 44.9492 | 33.7685 | 0.2366 | 72.0534 | 34.3452 | 0.8133 | 74.1467 |
| 5/31/2025 | 10:00:00 AM | 33.552 | 41.2679 | 7.7159 | 44.9541 | 33.7835 | 0.2315 | 72.0585 | 34.3486 | 0.7966 | 74.1634 |
| 5/31/2025 | 11:00:00 AM | 33.5937 | 41.2992 | 7.7055 | 44.9645 | 33.8191 | 0.2254 | 72.0646 | 34.3583 | 0.7646 | 74.1954 |
| 5/31/2025 | 12:00:00 PM | 33.6169 | 41.3161 | 7.6992 | 44.9708 | 33.8386 | 0.2217 | 72.0683 | 34.3638 | 0.7469 | 74.2131 |
| 5/31/2025 | 1:00:00 PM | 33.6404 | 41.3318 | 7.6914 | 44.9786 | 33.8611 | 0.2207 | 72.0693 | 34.3666 | 0.7262 | 74.2338 |
| 5/31/2025 | 2:00:00 PM | 33.6278 | 41.3171 | 7.6893 | 44.9807 | 33.8538 | 0.226 | 72.064 | 34.3619 | 0.7341 | 74.2259 |
| 5/31/2025 | 3:00:00 PM | 33.654 | 41.3346 | 7.6806 | 44.9894 | 33.8745 | 0.2205 | 72.0695 | 34.3658 | 0.7118 | 74.2482 |
| 5/31/2025 | 4:00:00 PM | 33.6596 | 41.336 | 7.6764 | 44.9936 | 33.8823 | 0.2227 | 72.0673 | 34.3651 | 0.7055 | 74.2545 |
| 5/31/2025 | 5:00:00 PM | 33.6637 | 41.3317 | 7.668 | 45.002 | 33.8857 | 0.222 | 72.068 | 34.3636 | 0.6999 | 74.2601 |
| 5/31/2025 | 6:00:00 PM | 33.6613 | 41.3254 | 7.6641 | 45.0059 | 33.8833 | 0.222 | 72.068 | 34.3617 | 0.7004 | 74.2596 |
| 5/31/2025 | 7:00:00 PM | 33.6742 | 41.3311 | 7.6569 | 45.0131 | 33.8918 | 0.2176 | 72.0724 | 34.3616 | 0.6874 | 74.2726 |
| 5/31/2025 | 8:00:00 PM | 33.6866 | 41.3382 | 7.6516 | 45.0184 | 33.9025 | 0.2159 | 72.0741 | 34.3637 | 0.6771 | 74.2829 |
| 5/31/2025 | 9:00:00 PM | 33.6995 | 41.3443 | 7.6448 | 45.0252 | 33.9164 | 0.2169 | 72.0731 | 34.3644 | 0.6649 | 74.2951 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/31/2025 | 10:00:00 PM | 33.7241 | 41.3619 | 7.6378 | 45.0322 | 33.9401 | 0.216 | 72.074 | 34.3721 | 0.648 | 74.312 |
| 5/31/2025 | 11:00:00 PM | 33.7261 | 41.3575 | 7.6314 | 45.0386 | 33.9449 | 0.2188 | 72.0712 | 34.3716 | 0.6455 | 74.3145 |
| 6/1/2025 | 12:00:00 AM | 33.7333 | 41.3586 | 7.6253 | 45.0447 | 33.9503 | 0.217 | 72.073 | 34.371 | 0.6377 | 74.3223 |
| 6/1/2025 | 1:00:00 AM | 33.7408 | 41.3599 | 7.6191 | 45.0509 | 33.9556 | 0.2148 | 72.0752 | 34.3716 | 0.6308 | 74.3292 |
| 6/1/2025 | 2:00:00 AM | 33.7463 | 41.3606 | 7.6143 | 45.0557 | 33.9602 | 0.2139 | 72.0761 | 34.3729 | 0.6266 | 74.3334 |
| 6/1/2025 | 3:00:00 AM | 33.7517 | 41.3595 | 7.6078 | 45.0622 | 33.9648 | 0.2131 | 72.0769 | 34.3723 | 0.6206 | 74.3394 |
| 6/1/2025 | 4:00:00 AM | 33.753 | 41.357 | 7.604 | 45.066 | 33.966 | 0.213 | 72.077 | 34.3717 | 0.6187 | 74.3413 |
| 6/1/2025 | 5:00:00 AM | 33.7666 | 41.365 | 7.5984 | 45.0716 | 33.979 | 0.2124 | 72.0776 | 34.3755 | 0.6089 | 74.3511 |
| 6/1/2025 | 6:00:00 AM | 33.7763 | 41.368 | 7.5917 | 45.0783 | 33.9863 | 0.21 | 72.08 | 34.3764 | 0.6001 | 74.3599 |
| 6/1/2025 | 7:00:00 AM | 33.79 | 41.3744 | 7.5844 | 45.0856 | 34.0006 | 0.2106 | 72.0794 | 34.3806 | 0.5906 | 74.3694 |
| 6/1/2025 | 8:00:00 AM | 33.7807 | 41.3619 | 7.5812 | 45.0888 | 33.9964 | 0.2157 | 72.0743 | 34.377 | 0.5963 | 74.3637 |
| 6/1/2025 | 9:00:00 AM | 33.7843 | 41.3606 | 7.5763 | 45.0937 | 33.996 | 0.2117 | 72.0783 | 34.3766 | 0.5923 | 74.3677 |
| 6/1/2025 | 10:00:00 AM | 33.7749 | 41.3481 | 7.5732 | 45.0968 | 33.9893 | 0.2144 | 72.0756 | 34.375 | 0.6001 | 74.3599 |
| 6/1/2025 | 11:00:00 AM | 33.7683 | 41.3397 | 7.5714 | 45.0986 | 33.9841 | 0.2158 | 72.0742 | 34.3725 | 0.6042 | 74.3558 |
| 6/1/2025 | 12:00:00 PM | 33.7622 | 41.331 | 7.5688 | 45.1012 | 33.9774 | 0.2152 | 72.0748 | 34.371 | 0.6088 | 74.3512 |
| 6/1/2025 | 1:00:00 PM | 33.7504 | 41.3209 | 7.5705 | 45.0995 | 33.9683 | 0.2179 | 72.0721 | 34.3689 | 0.6185 | 74.3415 |
| 6/1/2025 | 2:00:00 PM | 33.7446 | 41.3133 | 7.5687 | 45.1013 | 33.9613 | 0.2167 | 72.0733 | 34.3687 | 0.6241 | 74.3359 |
| 6/1/2025 | 3:00:00 PM | 33.7429 | 41.3108 | 7.5679 | 45.1021 | 33.9577 | 0.2148 | 72.0752 | 34.3689 | 0.626 | 74.334 |
| 6/1/2025 | 4:00:00 PM | 33.7254 | 41.2943 | 7.5689 | 45.1011 | 33.9426 | 0.2172 | 72.0728 | 34.3642 | 0.6388 | 74.3212 |
| 6/1/2025 | 5:00:00 PM | 33.7121 | 41.2841 | 7.572 | 45.098 | 33.9332 | 0.2211 | 72.0689 | 34.3631 | 0.651 | 74.309 |
| 6/1/2025 | 6:00:00 PM | 33.7016 | 41.2773 | 7.5757 | 45.0943 | 33.9231 | 0.2215 | 72.0685 | 34.3629 | 0.6613 | 74.2987 |
| 6/1/2025 | 7:00:00 PM | 33.7027 | 41.2794 | 7.5767 | 45.0933 | 33.9198 | 0.2171 | 72.0729 | 34.3651 | 0.6624 | 74.2976 |
| 6/1/2025 | 8:00:00 PM | 33.7107 | 41.2887 | 7.578 | 45.092 | 33.9227 | 0.212 | 72.078 | 34.367 | 0.6563 | 74.3037 |
| 6/1/2025 | 9:00:00 PM | 33.7222 | 41.2992 | 7.577 | 45.093 | 33.9271 | 0.2049 | 72.0851 | 34.3695 | 0.6473 | 74.3127 |
| 6/1/2025 | 10:00:00 PM | 33.7453 | 41.3198 | 7.5745 | 45.0955 | 33.943 | 0.1977 | 72.0923 | 34.3765 | 0.6312 | 74.3288 |
| 6/1/2025 | 11:00:00 PM | 33.7538 | 41.327 | 7.5732 | 45.0968 | 33.9466 | 0.1928 | 72.0972 | 34.3792 | 0.6254 | 74.3346 |
| 6/2/2025 | 12:00:00 AM | 33.7464 | 41.3206 | 7.5742 | 45.0958 | 33.9442 | 0.1978 | 72.0922 | 34.3769 | 0.6305 | 74.3295 |
| 6/2/2025 | 1:00:00 AM | 33.7543 | 41.3261 | 7.5718 | 45.0982 | 33.9478 | 0.1935 | 72.0965 | 34.3778 | 0.6235 | 74.3365 |
| 6/2/2025 | 2:00:00 AM | 33.757 | 41.3274 | 7.5704 | 45.0996 | 33.949 | 0.192 | 72.098 | 34.3785 | 0.6215 | 74.3385 |
| 6/2/2025 | 3:00:00 AM | 33.7506 | 41.3216 | 7.571 | 45.099 | 33.9437 | 0.1931 | 72.0969 | 34.3761 | 0.6255 | 74.3345 |
| 6/2/2025 | 4:00:00 AM | 33.7453 | 41.3162 | 7.5709 | 45.0991 | 33.9416 | 0.1963 | 72.0937 | 34.3762 | 0.6309 | 74.3291 |
| 6/2/2025 | 5:00:00 AM | 33.7456 | 41.3159 | 7.5703 | 45.0997 | 33.9396 | 0.194 | 72.096 | 34.3779 | 0.6323 | 74.3277 |
| 6/2/2025 | 6:00:00 AM | 33.7453 | 41.3158 | 7.5705 | 45.0995 | 33.9407 | 0.1954 | 72.0946 | 34.3771 | 0.6318 | 74.3282 |
| 6/2/2025 | 7:00:00 AM | 33.7409 | 41.3116 | 7.5707 | 45.0993 | 33.9357 | 0.1948 | 72.0952 | 34.3764 | 0.6355 | 74.3245 |
| 6/2/2025 | 8:00:00 AM | 33.7453 | 41.3163 | 7.571 | 45.099 | 33.9384 | 0.1931 | 72.0969 | 34.3784 | 0.6331 | 74.3269 |
| 6/2/2025 | 9:00:00 AM | 33.7463 | 41.3143 | 7.568 | 45.102 | 33.9373 | 0.191 | 72.099 | 34.3788 | 0.6325 | 74.3275 |
| 6/2/2025 | 10:00:00 AM | 33.7502 | 41.3174 | 7.5672 | 45.1028 | 33.9389 | 0.1887 | 72.1013 | 34.3793 | 0.6291 | 74.3309 |
| 6/2/2025 | 11:00:00 AM | 33.7402 | 41.3063 | 7.5661 | 45.1039 | 33.9314 | 0.1912 | 72.0988 | 34.3767 | 0.6365 | 74.3235 |
| 6/2/2025 | 12:00:00 PM | 33.7175 | 41.288 | 7.5705 | 45.0995 | 33.9182 | 0.2007 | 72.0893 | 34.3722 | 0.6547 | 74.3053 |
| 6/2/2025 | 1:00:00 PM | 33.7181 | 41.2888 | 7.5707 | 45.0993 | 33.9155 | 0.1974 | 72.0926 | 34.374 | 0.6559 | 74.3041 |
| 6/2/2025 | 2:00:00 PM | 33.7053 | 41.2788 | 7.5735 | 45.0965 | 33.9066 | 0.2013 | 72.0887 | 34.3719 | 0.6666 | 74.2934 |
| 6/2/2025 | 3:00:00 PM | 33.695 | 41.2699 | 7.5749 | 45.0951 | 33.8972 | 0.2022 | 72.0878 | 34.3701 | 0.6751 | 74.2849 |
| 6/2/2025 | 4:00:00 PM | 33.6847 | 41.2625 | 7.5778 | 45.0922 | 33.8889 | 0.2042 | 72.0858 | 34.3697 | 0.685 | 74.275 |
| 6/2/2025 | 5:00:00 PM | 33.6784 | 41.2595 | 7.5811 | 45.0889 | 33.8818 | 0.2034 | 72.0866 | 34.3693 | 0.6909 | 74.2691 |
| 6/2/2025 | 6:00:00 PM | 33.6689 | 41.2557 | 7.5868 | 45.0832 | 33.8751 | 0.2062 | 72.0838 | 34.3681 | 0.6992 | 74.2608 |
| 6/2/2025 | 7:00:00 PM | 33.6658 | 41.2554 | 7.5896 | 45.0804 | 33.8692 | 0.2034 | 72.0866 | 34.3688 | 0.703 | 74.257 |
| 6/2/2025 | 8:00:00 PM | 33.6692 | 41.2602 | 7.591 | 45.079 | 33.8693 | 0.2001 | 72.0899 | 34.3703 | 0.7011 | 74.2589 |
| 6/2/2025 | 9:00:00 PM | 33.6718 | 41.2652 | 7.5934 | 45.0766 | 33.8688 | 0.197 | 72.093 | 34.3715 | 0.6997 | 74.2603 |
| 6/2/2025 | 10:00:00 PM | 33.6872 | 41.2804 | 7.5932 | 45.0768 | 33.8783 | 0.1911 | 72.0989 | 34.3757 | 0.6885 | 74.2715 |
| 6/2/2025 | 11:00:00 PM | 33.6947 | 41.2875 | 7.5928 | 45.0772 | 33.8826 | 0.1879 | 72.1021 | 34.3779 | 0.6832 | 74.2768 |
| 6/3/2025 | 12:00:00 AM | 33.7066 | 41.2995 | 7.5929 | 45.0771 | 33.8893 | 0.1827 | 72.1073 | 34.3826 | 0.676 | 74.284 |
| 6/3/2025 | 1:00:00 AM | 33.7056 | 41.2974 | 7.5918 | 45.0782 | 33.8897 | 0.1841 | 72.1059 | 34.3814 | 0.6758 | 74.2842 |
| 6/3/2025 | 2:00:00 AM | 33.7033 | 41.2959 | 7.5926 | 45.0774 | 33.8872 | 0.1839 | 72.1061 | 34.3805 | 0.6772 | 74.2828 |
| 6/3/2025 | 3:00:00 AM | 33.6971 | 41.2914 | 7.5943 | 45.0757 | 33.8848 | 0.1877 | 72.1023 | 34.3797 | 0.6826 | 74.2774 |
| 6/3/2025 | 4:00:00 AM | 33.7038 | 41.2962 | 7.5924 | 45.0776 | 33.8877 | 0.1839 | 72.1061 | 34.3801 | 0.6763 | 74.2837 |
| 6/3/2025 | 5:00:00 AM | 33.7049 | 41.2977 | 7.5928 | 45.0772 | 33.8898 | 0.1849 | 72.1051 | 34.3809 | 0.676 | 74.284 |
| 6/3/2025 | 6:00:00 AM | 33.7052 | 41.2965 | 7.5913 | 45.0787 | 33.8899 | 0.1847 | 72.1053 | 34.3804 | 0.6752 | 74.2848 |
| 6/3/2025 | 7:00:00 AM | 33.7114 | 41.3002 | 7.5888 | 45.0812 | 33.8925 | 0.1811 | 72.1089 | 34.3816 | 0.6702 | 74.2898 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/3/2025 | 8:00:00 AM | 33.7113 | 41.2985 | 7.5872 | 45.0828 | 33.8932 | 0.1819 | 72.1081 | 34.3808 | 0.6695 | 74.2905 |
| 6/3/2025 | 9:00:00 AM | 33.7096 | 41.2961 | 7.5865 | 45.0835 | 33.8916 | 0.182 | 72.108 | 34.3799 | 0.6703 | 74.2897 |
| 6/3/2025 | 10:00:00 AM | 33.7045 | 41.2904 | 7.5859 | 45.0841 | 33.8889 | 0.1844 | 72.1056 | 34.3791 | 0.6746 | 74.2854 |
| 6/3/2025 | 11:00:00 AM | 33.6997 | 41.2838 | 7.5841 | 45.0859 | 33.8856 | 0.1859 | 72.1041 | 34.3781 | 0.6784 | 74.2816 |
| 6/3/2025 | 12:00:00 PM | 33.6868 | 41.2726 | 7.5858 | 45.0842 | 33.8778 | 0.191 | 72.099 | 34.3755 | 0.6887 | 74.2713 |
| 6/3/2025 | 1:00:00 PM | 33.6691 | 41.2568 | 7.5877 | 45.0823 | 33.8653 | 0.1962 | 72.0938 | 34.3722 | 0.7031 | 74.2569 |
| 6/3/2025 | 2:00:00 PM | 33.6587 | 41.2468 | 7.5881 | 45.0819 | 33.8557 | 0.197 | 72.093 | 34.3712 | 0.7125 | 74.2475 |
| 6/3/2025 | 3:00:00 PM | 33.6353 | 41.2275 | 7.5922 | 45.0778 | 33.8384 | 0.2031 | 72.0869 | 34.3669 | 0.7316 | 74.2284 |
| 6/3/2025 | 4:00:00 PM | 33.6208 | 41.2183 | 7.5975 | 45.0725 | 33.8258 | 0.205 | 72.085 | 34.3658 | 0.745 | 74.215 |
| 6/3/2025 | 5:00:00 PM | 33.6057 | 41.2095 | 7.6038 | 45.0662 | 33.814 | 0.2083 | 72.0817 | 34.3645 | 0.7588 | 74.2012 |
| 6/3/2025 | 6:00:00 PM | 33.5882 | 41.1955 | 7.6073 | 45.0627 | 33.7992 | 0.211 | 72.079 | 34.3621 | 0.7739 | 74.1861 |
| 6/3/2025 | 7:00:00 PM | 33.5799 | 41.1938 | 7.6139 | 45.0561 | 33.7929 | 0.213 | 72.077 | 34.3623 | 0.7824 | 74.1776 |
| 6/3/2025 | 8:00:00 PM | 33.5902 | 41.2056 | 7.6154 | 45.0546 | 33.7959 | 0.2057 | 72.0843 | 34.3644 | 0.7742 | 74.1858 |
| 6/3/2025 | 9:00:00 PM | 33.5897 | 41.2082 | 7.6185 | 45.0515 | 33.7956 | 0.2059 | 72.0841 | 34.3654 | 0.7757 | 74.1843 |
| 6/3/2025 | 10:00:00 PM | 33.5939 | 41.215 | 7.6211 | 45.0489 | 33.7979 | 0.204 | 72.086 | 34.3669 | 0.773 | 74.187 |
| 6/3/2025 | 11:00:00 PM | 33.5911 | 41.2145 | 7.6234 | 45.0466 | 33.7944 | 0.2033 | 72.0867 | 34.3664 | 0.7753 | 74.1847 |
| 6/4/2025 | 12:00:00 AM | 33.5871 | 41.2139 | 7.6268 | 45.0432 | 33.7911 | 0.204 | 72.086 | 34.3672 | 0.7801 | 74.1799 |
| 6/4/2025 | 1:00:00 AM | 33.5788 | 41.2104 | 7.6316 | 45.0384 | 33.787 | 0.2082 | 72.0818 | 34.3656 | 0.7868 | 74.1732 |
| 6/4/2025 | 2:00:00 AM | 33.5794 | 41.213 | 7.6336 | 45.0364 | 33.7878 | 0.2084 | 72.0816 | 34.3673 | 0.7879 | 74.1721 |
| 6/4/2025 | 3:00:00 AM | 33.5855 | 41.2212 | 7.6357 | 45.0343 | 33.791 | 0.2055 | 72.0845 | 34.3696 | 0.7841 | 74.1759 |
| 6/4/2025 | 4:00:00 AM | 33.5832 | 41.2201 | 7.6369 | 45.0331 | 33.7876 | 0.2044 | 72.0856 | 34.3693 | 0.7861 | 74.1739 |
| 6/4/2025 | 5:00:00 AM | 33.5807 | 41.2194 | 7.6387 | 45.0313 | 33.7876 | 0.2069 | 72.0831 | 34.3687 | 0.788 | 74.172 |
| 6/4/2025 | 6:00:00 AM | 33.5844 | 41.2228 | 7.6384 | 45.0316 | 33.7889 | 0.2045 | 72.0855 | 34.3701 | 0.7857 | 74.1743 |
| 6/4/2025 | 7:00:00 AM | 33.5945 | 41.2319 | 7.6374 | 45.0326 | 33.7944 | 0.1999 | 72.0901 | 34.3727 | 0.7782 | 74.1818 |
| 6/4/2025 | 8:00:00 AM | 33.59 | 41.2269 | 7.6369 | 45.0331 | 33.7916 | 0.2016 | 72.0884 | 34.3709 | 0.7809 | 74.1791 |
| 6/4/2025 | 9:00:00 AM | 33.5819 | 41.2205 | 7.6386 | 45.0314 | 33.7865 | 0.2046 | 72.0854 | 34.3705 | 0.7886 | 74.1714 |
| 6/4/2025 | 10:00:00 AM | 33.5768 | 41.2162 | 7.6394 | 45.0306 | 33.7832 | 0.2064 | 72.0836 | 34.3706 | 0.7938 | 74.1662 |
| 6/4/2025 | 11:00:00 AM | 33.5784 | 41.2203 | 7.6419 | 45.0281 | 33.7828 | 0.2044 | 72.0856 | 34.3732 | 0.7948 | 74.1652 |
| 6/4/2025 | 12:00:00 PM | 33.5711 | 41.2124 | 7.6413 | 45.0287 | 33.7772 | 0.2061 | 72.0839 | 34.3726 | 0.8015 | 74.1585 |
| 6/4/2025 | 1:00:00 PM | 33.5627 | 41.2067 | 7.644 | 45.026 | 33.7718 | 0.2091 | 72.0809 | 34.3727 | 0.81 | 74.15 |
| 6/4/2025 | 2:00:00 PM | 33.5555 | 41.2014 | 7.6459 | 45.0241 | 33.7661 | 0.2106 | 72.0794 | 34.3716 | 0.8161 | 74.1439 |
| 6/4/2025 | 3:00:00 PM | 33.5467 | 41.1963 | 7.6496 | 45.0204 | 33.759 | 0.2123 | 72.0777 | 34.3708 | 0.8241 | 74.1359 |
| 6/4/2025 | 4:00:00 PM | 33.5294 | 41.1845 | 7.6551 | 45.0149 | 33.7478 | 0.2184 | 72.0716 | 34.3689 | 0.8395 | 74.1205 |
| 6/4/2025 | 5:00:00 PM | 33.5154 | 41.1767 | 7.6613 | 45.0087 | 33.7359 | 0.2205 | 72.0695 | 34.3682 | 0.8528 | 74.1072 |
| 6/4/2025 | 6:00:00 PM | 33.5079 | 41.173 | 7.6651 | 45.0049 | 33.73 | 0.2221 | 72.0679 | 34.3688 | 0.8609 | 74.0991 |
| 6/4/2025 | 7:00:00 PM | 33.5014 | 41.1715 | 7.6701 | 44.9999 | 33.7245 | 0.2231 | 72.0669 | 34.3688 | 0.8674 | 74.0926 |
| 6/4/2025 | 8:00:00 PM | 33.5022 | 41.1762 | 7.674 | 44.996 | 33.7241 | 0.2219 | 72.0681 | 34.3706 | 0.8684 | 74.0916 |
| 6/4/2025 | 9:00:00 PM | 33.5143 | 41.1901 | 7.6758 | 44.9942 | 33.7309 | 0.2166 | 72.0734 | 34.3734 | 0.8591 | 74.1009 |
| 6/4/2025 | 10:00:00 PM | 33.5279 | 41.2036 | 7.6757 | 44.9943 | 33.7385 | 0.2106 | 72.0794 | 34.3782 | 0.8503 | 74.1097 |
| 6/4/2025 | 11:00:00 PM | 33.532 | 41.209 | 7.677 | 44.993 | 33.7412 | 0.2092 | 72.0808 | 34.3798 | 0.8478 | 74.1122 |
| 6/5/2025 | 12:00:00 AM | 33.5302 | 41.2086 | 7.6784 | 44.9916 | 33.7392 | 0.209 | 72.081 | 34.3783 | 0.8481 | 74.1119 |
| 6/5/2025 | 1:00:00 AM | 33.5249 | 41.2067 | 7.6818 | 44.9882 | 33.7377 | 0.2128 | 72.0772 | 34.3783 | 0.8534 | 74.1066 |
| 6/5/2025 | 2:00:00 AM | 33.5351 | 41.2171 | 7.682 | 44.988 | 33.7429 | 0.2078 | 72.0822 | 34.3823 | 0.8472 | 74.1128 |
| 6/5/2025 | 3:00:00 AM | 33.5363 | 41.2191 | 7.6828 | 44.9872 | 33.7442 | 0.2079 | 72.0821 | 34.3801 | 0.8438 | 74.1162 |
| 6/5/2025 | 4:00:00 AM | 33.5344 | 41.219 | 7.6846 | 44.9854 | 33.745 | 0.2106 | 72.0794 | 34.382 | 0.8476 | 74.1124 |
| 6/5/2025 | 5:00:00 AM | 33.5383 | 41.2232 | 7.6849 | 44.9851 | 33.7467 | 0.2084 | 72.0816 | 34.3836 | 0.8453 | 74.1147 |
| 6/5/2025 | 6:00:00 AM | 33.5446 | 41.2283 | 7.6837 | 44.9863 | 33.7502 | 0.2056 | 72.0844 | 34.3838 | 0.8392 | 74.1208 |
| 6/5/2025 | 7:00:00 AM | 33.5523 | 41.2349 | 7.6826 | 44.9874 | 33.7582 | 0.2059 | 72.0841 | 34.3867 | 0.8344 | 74.1256 |
| 6/5/2025 | 8:00:00 AM | 33.5579 | 41.2371 | 7.6792 | 44.9908 | 33.7614 | 0.2035 | 72.0865 | 34.3874 | 0.8295 | 74.1305 |
| 6/5/2025 | 9:00:00 AM | 33.559 | 41.2361 | 7.6771 | 44.9929 | 33.763 | 0.204 | 72.086 | 34.3873 | 0.8283 | 74.1317 |
| 6/5/2025 | 10:00:00 AM | 33.5475 | 41.2273 | 7.6798 | 44.9902 | 33.7554 | 0.2079 | 72.0821 | 34.3854 | 0.8379 | 74.1221 |
| 6/5/2025 | 11:00:00 AM | 33.5408 | 41.2207 | 7.6799 | 44.9901 | 33.752 | 0.2112 | 72.0788 | 34.3857 | 0.8449 | 74.1151 |
| 6/5/2025 | 12:00:00 PM | 33.5338 | 41.2144 | 7.6806 | 44.9894 | 33.7464 | 0.2126 | 72.0774 | 34.3849 | 0.8511 | 74.1089 |
| 6/5/2025 | 1:00:00 PM | 33.52 | 41.2051 | 7.6851 | 44.9849 | 33.7384 | 0.2184 | 72.0716 | 34.3825 | 0.8625 | 74.0975 |
| 6/5/2025 | 2:00:00 PM | 33.5042 | 41.1925 | 7.6883 | 44.9817 | 33.7269 | 0.2227 | 72.0673 | 34.3813 | 0.8771 | 74.0829 |
| 6/5/2025 | 3:00:00 PM | 33.4841 | 41.1784 | 7.6943 | 44.9757 | 33.7125 | 0.2284 | 72.0616 | 34.3794 | 0.8953 | 74.0647 |
| 6/5/2025 | 4:00:00 PM | 33.479 | 41.1758 | 7.6968 | 44.9732 | 33.7075 | 0.2285 | 72.0615 | 34.379 | 0.9 | 74.06 |
| 6/5/2025 | 5:00:00 PM | 33.4706 | 41.1712 | 7.7006 | 44.9694 | 33.6999 | 0.2293 | 72.0607 | 34.3783 | 0.9077 | 74.0523 |

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| 6/5/2025 | 6:00:00 PM | 33.4642 | 41.1699 | 7.7057 | 44.9643 | 33.6953 | 0.2311 | 72.0589 | 34.3775 | 0.9133 | 74.0467 |
| 6/5/2025 | 7:00:00 PM | 33.4736 | 41.1825 | 7.7089 | 44.9611 | 33.6998 | 0.2262 | 72.0638 | 34.3804 | 0.9068 | 74.0532 |
| 6/5/2025 | 8:00:00 PM | 33.4868 | 41.198 | 7.7112 | 44.9588 | 33.707 | 0.2202 | 72.0698 | 34.3833 | 0.8965 | 74.0635 |
| 6/5/2025 | 9:00:00 PM | 33.4917 | 41.2026 | 7.7109 | 44.9591 | 33.709 | 0.2173 | 72.0727 | 34.3827 | 0.891 | 74.069 |
| 6/5/2025 | 10:00:00 PM | 33.496 | 41.2065 | 7.7105 | 44.9595 | 33.7119 | 0.2159 | 72.0741 | 34.3833 | 0.8873 | 74.0727 |
| 6/5/2025 | 11:00:00 PM | 33.4998 | 41.2117 | 7.7119 | 44.9581 | 33.714 | 0.2142 | 72.0758 | 34.3833 | 0.8835 | 74.0765 |
| 6/6/2025 | 12:00:00 AM | 33.4978 | 41.2114 | 7.7136 | 44.9564 | 33.7135 | 0.2157 | 72.0743 | 34.3848 | 0.887 | 74.073 |
| 6/6/2025 | 1:00:00 AM | 33.4879 | 41.2045 | 7.7166 | 44.9534 | 33.7095 | 0.2216 | 72.0684 | 34.3825 | 0.8946 | 74.0654 |
| 6/6/2025 | 2:00:00 AM | 33.4768 | 41.1957 | 7.7189 | 44.9511 | 33.7031 | 0.2263 | 72.0637 | 34.3811 | 0.9043 | 74.0557 |
| 6/6/2025 | 3:00:00 AM | 33.4663 | 41.1902 | 7.7239 | 44.9461 | 33.6973 | 0.231 | 72.059 | 34.3795 | 0.9132 | 74.0468 |
| 6/6/2025 | 4:00:00 AM | 33.4673 | 41.1931 | 7.7258 | 44.9442 | 33.6967 | 0.2294 | 72.0606 | 34.3804 | 0.9131 | 74.0469 |
| 6/6/2025 | 5:00:00 AM | 33.4677 | 41.1943 | 7.7266 | 44.9434 | 33.6976 | 0.2299 | 72.0601 | 34.3811 | 0.9134 | 74.0466 |
| 6/6/2025 | 6:00:00 AM | 33.4749 | 41.2025 | 7.7276 | 44.9424 | 33.7021 | 0.2272 | 72.0628 | 34.3835 | 0.9086 | 74.0514 |
| 6/6/2025 | 7:00:00 AM | 33.488 | 41.2124 | 7.7244 | 44.9456 | 33.7103 | 0.2223 | 72.0677 | 34.384 | 0.896 | 74.064 |
| 6/6/2025 | 8:00:00 AM | 33.4891 | 41.2123 | 7.7232 | 44.9468 | 33.7122 | 0.2231 | 72.0669 | 34.3832 | 0.8941 | 74.0659 |
| 6/6/2025 | 9:00:00 AM | 33.4868 | 41.2089 | 7.7221 | 44.9479 | 33.7115 | 0.2247 | 72.0653 | 34.3819 | 0.8951 | 74.0649 |
| 6/6/2025 | 10:00:00 AM | 33.4806 | 41.202 | 7.7214 | 44.9486 | 33.7068 | 0.2262 | 72.0638 | 34.3818 | 0.9012 | 74.0588 |
| 6/6/2025 | 11:00:00 AM | 33.471 | 41.1951 | 7.7241 | 44.9459 | 33.7026 | 0.2316 | 72.0584 | 34.3798 | 0.9088 | 74.0512 |
| 6/6/2025 | 12:00:00 PM | 33.4597 | 41.1843 | 7.7246 | 44.9454 | 33.6951 | 0.2354 | 72.0546 | 34.3781 | 0.9184 | 74.0416 |
| 6/6/2025 | 1:00:00 PM | 33.4534 | 41.1792 | 7.7258 | 44.9442 | 33.6923 | 0.2389 | 72.0511 | 34.3766 | 0.9232 | 74.0368 |
| 6/6/2025 | 2:00:00 PM | 33.4518 | 41.1782 | 7.7264 | 44.9436 | 33.6874 | 0.2356 | 72.0544 | 34.3764 | 0.9246 | 74.0354 |
| 6/6/2025 | 3:00:00 PM | 33.4472 | 41.175 | 7.7278 | 44.9422 | 33.686 | 0.2388 | 72.0512 | 34.3764 | 0.9292 | 74.0308 |
| 6/6/2025 | 4:00:00 PM | 33.4372 | 41.1665 | 7.7293 | 44.9407 | 33.677 | 0.2398 | 72.0502 | 34.3743 | 0.9371 | 74.0229 |
| 6/6/2025 | 5:00:00 PM | 33.4286 | 41.1607 | 7.7321 | 44.9379 | 33.6715 | 0.2429 | 72.0471 | 34.3717 | 0.9431 | 74.0169 |
| 6/6/2025 | 6:00:00 PM | 33.4273 | 41.1598 | 7.7325 | 44.9375 | 33.6684 | 0.2411 | 72.0489 | 34.3728 | 0.9455 | 74.0145 |
| 6/6/2025 | 7:00:00 PM | 33.4342 | 41.1686 | 7.7344 | 44.9356 | 33.6725 | 0.2383 | 72.0517 | 34.3734 | 0.9392 | 74.0208 |
| 6/6/2025 | 8:00:00 PM | 33.4378 | 41.1723 | 7.7345 | 44.9355 | 33.6742 | 0.2364 | 72.0536 | 34.3746 | 0.9368 | 74.0232 |
| 6/6/2025 | 9:00:00 PM | 33.4498 | 41.1837 | 7.7339 | 44.9361 | 33.6815 | 0.2317 | 72.0583 | 34.3772 | 0.9274 | 74.0326 |
| 6/6/2025 | 10:00:00 PM | 33.4684 | 41.198 | 7.7296 | 44.9404 | 33.6951 | 0.2267 | 72.0633 | 34.3801 | 0.9117 | 74.0483 |
| 6/6/2025 | 11:00:00 PM | 33.4714 | 41.2 | 7.7286 | 44.9414 | 33.6963 | 0.2249 | 72.0651 | 34.3794 | 0.908 | 74.052 |
| 6/7/2025 | 12:00:00 AM | 33.4716 | 41.2009 | 7.7293 | 44.9407 | 33.701 | 0.2294 | 72.0606 | 34.3799 | 0.9083 | 74.0517 |
| 6/7/2025 | 1:00:00 AM | 33.4812 | 41.2075 | 7.7263 | 44.9437 | 33.7132 | 0.232 | 72.058 | 34.3814 | 0.9002 | 74.0598 |
| 6/7/2025 | 2:00:00 AM | 33.4843 | 41.2094 | 7.7251 | 44.9449 | 33.717 | 0.2327 | 72.0573 | 34.3818 | 0.8975 | 74.0625 |
| 6/7/2025 | 3:00:00 AM | 33.4854 | 41.2092 | 7.7238 | 44.9462 | 33.7209 | 0.2355 | 72.0545 | 34.3815 | 0.8961 | 74.0639 |
| 6/7/2025 | 4:00:00 AM | 33.4821 | 41.2052 | 7.7231 | 44.9469 | 33.7222 | 0.2401 | 72.0499 | 34.382 | 0.8999 | 74.0601 |
| 6/7/2025 | 5:00:00 AM | 33.4906 | 41.2106 | 7.72 | 44.95 | 33.7288 | 0.2382 | 72.0518 | 34.3832 | 0.8926 | 74.0674 |
| 6/7/2025 | 6:00:00 AM | 33.5008 | 41.2183 | 7.7175 | 44.9525 | 33.7398 | 0.239 | 72.051 | 34.3844 | 0.8836 | 74.0764 |
| 6/7/2025 | 7:00:00 AM | 33.5039 | 41.218 | 7.7141 | 44.9559 | 33.7462 | 0.2423 | 72.0477 | 34.3835 | 0.8796 | 74.0804 |
| 6/7/2025 | 8:00:00 AM | 33.5058 | 41.2159 | 7.7101 | 44.9599 | 33.7494 | 0.2436 | 72.0464 | 34.3831 | 0.8773 | 74.0827 |
| 6/7/2025 | 9:00:00 AM | 33.5074 | 41.2143 | 7.7069 | 44.9631 | 33.7508 | 0.2434 | 72.0466 | 34.3819 | 0.8745 | 74.0855 |
| 6/7/2025 | 10:00:00 AM | 33.5019 | 41.2065 | 7.7046 | 44.9654 | 33.7489 | 0.247 | 72.043 | 34.3805 | 0.8786 | 74.0814 |
| 6/7/2025 | 11:00:00 AM | 33.502 | 41.2051 | 7.7031 | 44.9669 | 33.7483 | 0.2463 | 72.0437 | 34.3791 | 0.8771 | 74.0829 |
| 6/7/2025 | 12:00:00 PM | 33.4964 | 41.1961 | 7.6997 | 44.9703 | 33.7435 | 0.2471 | 72.0429 | 34.3774 | 0.881 | 74.079 |
| 6/7/2025 | 1:00:00 PM | 33.4865 | 41.185 | 7.6985 | 44.9715 | 33.7368 | 0.2503 | 72.0397 | 34.3751 | 0.8886 | 74.0714 |
| 6/7/2025 | 2:00:00 PM | 33.4734 | 41.1744 | 7.701 | 44.969 | 33.7292 | 0.2558 | 72.0342 | 34.3736 | 0.9002 | 74.0598 |
| 6/7/2025 | 3:00:00 PM | 33.4677 | 41.1677 | 7.7 | 44.97 | 33.7235 | 0.2558 | 72.0342 | 34.372 | 0.9043 | 74.0557 |
| 6/7/2025 | 4:00:00 PM | 33.4632 | 41.1642 | 7.701 | 44.969 | 33.7185 | 0.2553 | 72.0347 | 34.3723 | 0.9091 | 74.0509 |
| 6/7/2025 | 5:00:00 PM | 33.466 | 41.1657 | 7.6997 | 44.9703 | 33.719 | 0.253 | 72.037 | 34.372 | 0.906 | 74.054 |
| 6/7/2025 | 6:00:00 PM | 33.4598 | 41.1623 | 7.7025 | 44.9675 | 33.7151 | 0.2553 | 72.0347 | 34.3711 | 0.9113 | 74.0487 |
| 6/7/2025 | 7:00:00 PM | 33.455 | 41.1581 | 7.7031 | 44.9669 | 33.7103 | 0.2553 | 72.0347 | 34.3697 | 0.9147 | 74.0453 |
| 6/7/2025 | 8:00:00 PM | 33.4493 | 41.1546 | 7.7053 | 44.9647 | 33.7076 | 0.2583 | 72.0317 | 34.3697 | 0.9204 | 74.0396 |
| 6/7/2025 | 9:00:00 PM | 33.4544 | 41.1585 | 7.7041 | 44.9659 | 33.7083 | 0.2539 | 72.0361 | 34.3698 | 0.9154 | 74.0446 |
| 6/7/2025 | 10:00:00 PM | 33.4674 | 41.1719 | 7.7045 | 44.9655 | 33.717 | 0.2496 | 72.0404 | 34.3717 | 0.9043 | 74.0557 |
| 6/7/2025 | 11:00:00 PM | 33.4692 | 41.1718 | 7.7026 | 44.9674 | 33.717 | 0.2478 | 72.0422 | 34.3708 | 0.9016 | 74.0584 |
| 6/8/2025 | 12:00:00 AM | 33.4712 | 41.1733 | 7.7021 | 44.9679 | 33.7185 | 0.2473 | 72.0427 | 34.3715 | 0.9003 | 74.0597 |
| 6/8/2025 | 1:00:00 AM | 33.4702 | 41.1716 | 7.7014 | 44.9686 | 33.7189 | 0.2487 | 72.0413 | 34.3712 | 0.901 | 74.059 |
| 6/8/2025 | 2:00:00 AM | 33.468 | 41.172 | 7.704 | 44.966 | 33.7191 | 0.2511 | 72.0389 | 34.3717 | 0.9037 | 74.0563 |
| 6/8/2025 | 3:00:00 AM | 33.4689 | 41.17 | 7.7011 | 44.9689 | 33.7186 | 0.2497 | 72.0403 | 34.3707 | 0.9018 | 74.0582 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/8/2025 | 4:00:00 AM | 33.4642 | 41.1676 | 7.7034 | 44.9666 | 33.7166 | 0.2524 | 72.0376 | 34.37 | 0.9058 | 74.0542 |
| 6/8/2025 | 5:00:00 AM | 33.4575 | 41.1616 | 7.7041 | 44.9659 | 33.7131 | 0.2556 | 72.0344 | 34.3692 | 0.9117 | 74.0483 |
| 6/8/2025 | 6:00:00 AM | 33.4624 | 41.1656 | 7.7032 | 44.9668 | 33.7158 | 0.2534 | 72.0366 | 34.3692 | 0.9068 | 74.0532 |
| 6/8/2025 | 7:00:00 AM | 33.473 | 41.1748 | 7.7018 | 44.9682 | 33.7271 | 0.2541 | 72.0359 | 34.3712 | 0.8982 | 74.0618 |
| 6/8/2025 | 8:00:00 AM | 33.4787 | 41.1764 | 7.6977 | 44.9723 | 33.7347 | 0.256 | 72.034 | 34.372 | 0.8933 | 74.0667 |
| 6/8/2025 | 9:00:00 AM | 33.4837 | 41.1781 | 7.6944 | 44.9756 | 33.7369 | 0.2532 | 72.0368 | 34.3709 | 0.8872 | 74.0728 |
| 6/8/2025 | 10:00:00 AM | 33.4832 | 41.1753 | 7.6921 | 44.9779 | 33.7392 | 0.256 | 72.034 | 34.3703 | 0.8871 | 74.0729 |
| 6/8/2025 | 11:00:00 AM | 33.4757 | 41.167 | 7.6913 | 44.9787 | 33.7355 | 0.2598 | 72.0302 | 34.3684 | 0.8927 | 74.0673 |
| 6/8/2025 | 12:00:00 PM | 33.4707 | 41.1598 | 7.6891 | 44.9809 | 33.7319 | 0.2612 | 72.0288 | 34.3673 | 0.8966 | 74.0634 |
| 6/8/2025 | 1:00:00 PM | 33.4634 | 41.1525 | 7.6891 | 44.9809 | 33.7252 | 0.2618 | 72.0282 | 34.3653 | 0.9019 | 74.0581 |
| 6/8/2025 | 2:00:00 PM | 33.4501 | 41.1403 | 7.6902 | 44.9798 | 33.7158 | 0.2657 | 72.0243 | 34.3636 | 0.9135 | 74.0465 |
| 6/8/2025 | 3:00:00 PM | 33.4372 | 41.1296 | 7.6924 | 44.9776 | 33.707 | 0.2698 | 72.0202 | 34.3618 | 0.9246 | 74.0354 |
| 6/8/2025 | 4:00:00 PM | 33.4212 | 41.1198 | 7.6986 | 44.9714 | 33.6974 | 0.2762 | 72.0138 | 34.3607 | 0.9395 | 74.0205 |
| 6/8/2025 | 5:00:00 PM | 33.4083 | 41.1107 | 7.7024 | 44.9676 | 33.6866 | 0.2783 | 72.0117 | 34.3595 | 0.9512 | 74.0088 |
| 6/8/2025 | 6:00:00 PM | 33.3935 | 41.1007 | 7.7072 | 44.9628 | 33.6741 | 0.2806 | 72.0094 | 34.3579 | 0.9644 | 73.9956 |
| 6/8/2025 | 7:00:00 PM | 33.3855 | 41.0988 | 7.7133 | 44.9567 | 33.6678 | 0.2823 | 72.0077 | 34.3567 | 0.9712 | 73.9888 |
| 6/8/2025 | 8:00:00 PM | 33.3838 | 41.1008 | 7.717 | 44.953 | 33.6649 | 0.2811 | 72.0089 | 34.358 | 0.9742 | 73.9858 |
| 6/8/2025 | 9:00:00 PM | 33.3819 | 41.1034 | 7.7215 | 44.9485 | 33.6637 | 0.2818 | 72.0082 | 34.3569 | 0.975 | 73.985 |
| 6/8/2025 | 10:00:00 PM | 33.3919 | 41.1162 | 7.7243 | 44.9457 | 33.669 | 0.2771 | 72.0129 | 34.3599 | 0.968 | 73.992 |
| 6/8/2025 | 11:00:00 PM | 33.4033 | 41.1267 | 7.7234 | 44.9466 | 33.6745 | 0.2712 | 72.0188 | 34.3611 | 0.9578 | 74.0022 |
| 6/9/2025 | 12:00:00 AM | 33.4049 | 41.1293 | 7.7244 | 44.9456 | 33.6755 | 0.2706 | 72.0194 | 34.3602 | 0.9553 | 74.0047 |
| 6/9/2025 | 1:00:00 AM | 33.4028 | 41.1307 | 7.7279 | 44.9421 | 33.6752 | 0.2724 | 72.0176 | 34.3606 | 0.9578 | 74.0022 |
| 6/9/2025 | 2:00:00 AM | 33.4048 | 41.1324 | 7.7276 | 44.9424 | 33.6754 | 0.2706 | 72.0194 | 34.3614 | 0.9566 | 74.0034 |
| 6/9/2025 | 3:00:00 AM | 33.4054 | 41.1334 | 7.728 | 44.942 | 33.6772 | 0.2718 | 72.0182 | 34.3608 | 0.9554 | 74.0046 |
| 6/9/2025 | 4:00:00 AM | 33.4016 | 41.1333 | 7.7317 | 44.9383 | 33.6754 | 0.2738 | 72.0162 | 34.3585 | 0.9569 | 74.0031 |
| 6/9/2025 | 5:00:00 AM | 33.4044 | 41.1358 | 7.7314 | 44.9386 | 33.6772 | 0.2728 | 72.0172 | 34.3603 | 0.9559 | 74.0041 |
| 6/9/2025 | 6:00:00 AM | 33.4057 | 41.1374 | 7.7317 | 44.9383 | 33.6787 | 0.273 | 72.017 | 34.3598 | 0.9541 | 74.0059 |
| 6/9/2025 | 7:00:00 AM | 33.4109 | 41.1417 | 7.7308 | 44.9392 | 33.6825 | 0.2716 | 72.0184 | 34.3609 | 0.95 | 74.01 |
| 6/9/2025 | 8:00:00 AM | 33.4055 | 41.1363 | 7.7308 | 44.9392 | 33.6797 | 0.2742 | 72.0158 | 34.3584 | 0.9529 | 74.0071 |
| 6/9/2025 | 9:00:00 AM | 33.4058 | 41.1353 | 7.7295 | 44.9405 | 33.6809 | 0.2751 | 72.0149 | 34.3579 | 0.9521 | 74.0079 |
| 6/9/2025 | 10:00:00 AM | 33.3994 | 41.1289 | 7.7295 | 44.9405 | 33.6772 | 0.2778 | 72.0122 | 34.3565 | 0.9571 | 74.0029 |
| 6/9/2025 | 11:00:00 AM | 33.3956 | 41.1262 | 7.7306 | 44.9394 | 33.6755 | 0.2799 | 72.0101 | 34.3575 | 0.9619 | 73.9981 |
| 6/9/2025 | 12:00:00 PM | 33.3905 | 41.1207 | 7.7302 | 44.9398 | 33.6714 | 0.2809 | 72.0091 | 34.3557 | 0.9652 | 73.9948 |
| 6/9/2025 | 1:00:00 PM | 33.389 | 41.1198 | 7.7308 | 44.9392 | 33.6697 | 0.2807 | 72.0093 | 34.3572 | 0.9682 | 73.9918 |
| 6/9/2025 | 2:00:00 PM | 33.3711 | 41.1048 | 7.7337 | 44.9363 | 33.659 | 0.2879 | 72.0021 | 34.3534 | 0.9823 | 73.9777 |
| 6/9/2025 | 3:00:00 PM | 33.3601 | 41.0963 | 7.7362 | 44.9338 | 33.6498 | 0.2897 | 72.0003 | 34.3521 | 0.992 | 73.968 |
| 6/9/2025 | 4:00:00 PM | 33.3438 | 41.0861 | 7.7423 | 44.9277 | 33.64 | 0.2962 | 71.9938 | 34.3501 | 1.0063 | 73.9537 |
| 6/9/2025 | 5:00:00 PM | 33.3346 | 41.0817 | 7.7471 | 44.9229 | 33.6324 | 0.2978 | 71.9922 | 34.3489 | 1.0143 | 73.9457 |
| 6/9/2025 | 6:00:00 PM | 33.3304 | 41.0819 | 7.7515 | 44.9185 | 33.6279 | 0.2975 | 71.9925 | 34.349 | 1.0186 | 73.9414 |
| 6/9/2025 | 7:00:00 PM | 33.3223 | 41.0779 | 7.7556 | 44.9144 | 33.6222 | 0.2999 | 71.9901 | 34.3485 | 1.0262 | 73.9338 |
| 6/9/2025 | 8:00:00 PM | 33.3207 | 41.0812 | 7.7605 | 44.9095 | 33.6196 | 0.2989 | 71.9911 | 34.3477 | 1.027 | 73.933 |
| 6/9/2025 | 9:00:00 PM | 33.3247 | 41.0891 | 7.7644 | 44.9056 | 33.6205 | 0.2958 | 71.9942 | 34.3481 | 1.0234 | 73.9366 |
| 6/9/2025 | 10:00:00 PM | 33.3406 | 41.1039 | 7.7633 | 44.9067 | 33.6304 | 0.2898 | 72.0002 | 34.3509 | 1.0103 | 73.9497 |
| 6/9/2025 | 11:00:00 PM | 33.3459 | 41.1105 | 7.7646 | 44.9054 | 33.6351 | 0.2892 | 72.0008 | 34.3523 | 1.0064 | 73.9536 |
| 6/10/2025 | 12:00:00 AM | 33.3413 | 41.1078 | 7.7665 | 44.9035 | 33.6331 | 0.2918 | 71.9982 | 34.35 | 1.0087 | 73.9513 |
| 6/10/2025 | 1:00:00 AM | 33.3513 | 41.1178 | 7.7665 | 44.9035 | 33.6389 | 0.2876 | 72.0024 | 34.3526 | 1.0013 | 73.9587 |
| 6/10/2025 | 2:00:00 AM | 33.3575 | 41.1229 | 7.7654 | 44.9046 | 33.6459 | 0.2884 | 72.0016 | 34.3532 | 0.9957 | 73.9643 |
| 6/10/2025 | 3:00:00 AM | 33.3582 | 41.1236 | 7.7654 | 44.9046 | 33.6471 | 0.2889 | 72.0011 | 34.3529 | 0.9947 | 73.9653 |
| 6/10/2025 | 4:00:00 AM | 33.364 | 41.1278 | 7.7638 | 44.9062 | 33.6526 | 0.2886 | 72.0014 | 34.3524 | 0.9884 | 73.9716 |
| 6/10/2025 | 5:00:00 AM | 33.3715 | 41.1346 | 7.7631 | 44.9069 | 33.6648 | 0.2933 | 71.9967 | 34.3531 | 0.9816 | 73.9784 |
| 6/10/2025 | 6:00:00 AM | 33.3785 | 41.1387 | 7.7602 | 44.9098 | 33.6739 | 0.2954 | 71.9946 | 34.3539 | 0.9754 | 73.9846 |
| 6/10/2025 | 7:00:00 AM | 33.3928 | 41.1472 | 7.7544 | 44.9156 | 33.6862 | 0.2934 | 71.9966 | 34.3553 | 0.9625 | 73.9975 |
| 6/10/2025 | 8:00:00 AM | 33.3921 | 41.1437 | 7.7516 | 44.9184 | 33.6899 | 0.2978 | 71.9922 | 34.3532 | 0.9611 | 73.9989 |
| 6/10/2025 | 9:00:00 AM | 33.388 | 41.1375 | 7.7495 | 44.9205 | 33.6898 | 0.3018 | 71.9882 | 34.3515 | 0.9635 | 73.9965 |
| 6/10/2025 | 10:00:00 AM | 33.3854 | 41.1315 | 7.7461 | 44.9239 | 33.6864 | 0.301 | 71.989 | 34.3487 | 0.9633 | 73.9967 |
| 6/10/2025 | 11:00:00 AM | 33.3776 | 41.1242 | 7.7466 | 44.9234 | 33.6833 | 0.3057 | 71.9843 | 34.348 | 0.9704 | 73.9896 |
| 6/10/2025 | 12:00:00 PM | 33.3691 | 41.114 | 7.7449 | 44.9251 | 33.6762 | 0.3071 | 71.9829 | 34.3454 | 0.9763 | 73.9837 |
| 6/10/2025 | 1:00:00 PM | 33.3587 | 41.105 | 7.7463 | 44.9237 | 33.6705 | 0.3118 | 71.9782 | 34.3441 | 0.9854 | 73.9746 |

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| 6/10/2025 | 2:00:00 PM | 33.3533 | 41.0968 | 7.7435 | 44.9265 | 33.6651 | 0.3118 | 71.9782 | 34.3424 | 0.9891 | 73.9709 |
| 6/10/2025 | 3:00:00 PM | 33.3405 | 41.0883 | 7.7478 | 44.9222 | 33.6565 | 0.316 | 71.974 | 34.341 | 1.0005 | 73.9595 |
| 6/10/2025 | 4:00:00 PM | 33.334 | 41.0849 | 7.7509 | 44.9191 | 33.6497 | 0.3157 | 71.9743 | 34.3406 | 1.0066 | 73.9534 |
| 6/10/2025 | 5:00:00 PM | 33.3223 | 41.0764 | 7.7541 | 44.9159 | 33.6412 | 0.3189 | 71.9711 | 34.3382 | 1.0159 | 73.9441 |
| 6/10/2025 | 6:00:00 PM | 33.3183 | 41.0742 | 7.7559 | 44.9141 | 33.6373 | 0.319 | 71.971 | 34.3377 | 1.0194 | 73.9406 |
| 6/10/2025 | 7:00:00 PM | 33.3077 | 41.0666 | 7.7589 | 44.9111 | 33.6304 | 0.3227 | 71.9673 | 34.3363 | 1.0286 | 73.9314 |
| 6/10/2025 | 8:00:00 PM | 33.3061 | 41.0686 | 7.7625 | 44.9075 | 33.6274 | 0.3213 | 71.9687 | 34.3363 | 1.0302 | 73.9298 |
| 6/10/2025 | 9:00:00 PM | 33.3077 | 41.0727 | 7.765 | 44.905 | 33.6275 | 0.3198 | 71.9702 | 34.3362 | 1.0285 | 73.9315 |
| 6/10/2025 | 10:00:00 PM | 33.322 | 41.086 | 7.764 | 44.906 | 33.6356 | 0.3136 | 71.9764 | 34.3383 | 1.0163 | 73.9437 |
| 6/10/2025 | 11:00:00 PM | 33.3296 | 41.0916 | 7.762 | 44.908 | 33.6395 | 0.3099 | 71.9801 | 34.3392 | 1.0096 | 73.9504 |
| 6/11/2025 | 12:00:00 AM | 33.3389 | 41.1017 | 7.7628 | 44.9072 | 33.6483 | 0.3094 | 71.9806 | 34.3405 | 1.0016 | 73.9584 |
| 6/11/2025 | 1:00:00 AM | 33.3436 | 41.1046 | 7.761 | 44.909 | 33.6513 | 0.3077 | 71.9823 | 34.3393 | 0.9957 | 73.9643 |
| 6/11/2025 | 2:00:00 AM | 33.3436 | 41.1053 | 7.7617 | 44.9083 | 33.6524 | 0.3088 | 71.9812 | 34.339 | 0.9954 | 73.9646 |
| 6/11/2025 | 3:00:00 AM | 33.353 | 41.1123 | 7.7593 | 44.9107 | 33.6647 | 0.3117 | 71.9783 | 34.3396 | 0.9866 | 73.9734 |
| 6/11/2025 | 4:00:00 AM | 33.3633 | 41.1192 | 7.7559 | 44.9141 | 33.6756 | 0.3123 | 71.9777 | 34.3416 | 0.9783 | 73.9817 |
| 6/11/2025 | 5:00:00 AM | 33.3667 | 41.121 | 7.7543 | 44.9157 | 33.6806 | 0.3139 | 71.9761 | 34.34 | 0.9733 | 73.9867 |
| 6/11/2025 | 6:00:00 AM | 33.3763 | 41.127 | 7.7507 | 44.9193 | 33.6924 | 0.3161 | 71.9739 | 34.3415 | 0.9652 | 73.9948 |
| 6/11/2025 | 7:00:00 AM | 33.3956 | 41.1401 | 7.7445 | 44.9255 | 33.7124 | 0.3168 | 71.9732 | 34.3445 | 0.9489 | 74.0111 |
| 6/11/2025 | 8:00:00 AM | 33.4075 | 41.1457 | 7.7382 | 44.9318 | 33.7251 | 0.3176 | 71.9724 | 34.3456 | 0.9381 | 74.0219 |
| 6/11/2025 | 9:00:00 AM | 33.4016 | 41.1363 | 7.7347 | 44.9353 | 33.7223 | 0.3207 | 71.9693 | 34.3419 | 0.9403 | 74.0197 |
| 6/11/2025 | 10:00:00 AM | 33.4071 | 41.137 | 7.7299 | 44.9401 | 33.7262 | 0.3191 | 71.9709 | 34.3424 | 0.9353 | 74.0247 |
| 6/11/2025 | 11:00:00 AM | 33.4019 | 41.1291 | 7.7272 | 44.9428 | 33.7226 | 0.3207 | 71.9693 | 34.3395 | 0.9376 | 74.0224 |
| 6/11/2025 | 12:00:00 PM | 33.4 | 41.1247 | 7.7247 | 44.9453 | 33.7212 | 0.3212 | 71.9688 | 34.3399 | 0.9399 | 74.0201 |
| 6/11/2025 | 1:00:00 PM | 33.4013 | 41.1222 | 7.7209 | 44.9491 | 33.7216 | 0.3203 | 71.9697 | 34.339 | 0.9377 | 74.0223 |
| 6/11/2025 | 2:00:00 PM | 33.3986 | 41.1167 | 7.7181 | 44.9519 | 33.7186 | 0.32 | 71.97 | 34.3375 | 0.9389 | 74.0211 |
| 6/11/2025 | 3:00:00 PM | 33.3948 | 41.1111 | 7.7163 | 44.9537 | 33.7158 | 0.321 | 71.969 | 34.3363 | 0.9415 | 74.0185 |
| 6/11/2025 | 4:00:00 PM | 33.4001 | 41.1165 | 7.7164 | 44.9536 | 33.7185 | 0.3184 | 71.9716 | 34.3386 | 0.9385 | 74.0215 |
| 6/11/2025 | 5:00:00 PM | 33.3998 | 41.1134 | 7.7136 | 44.9564 | 33.7156 | 0.3158 | 71.9742 | 34.3379 | 0.9381 | 74.0219 |
| 6/11/2025 | 6:00:00 PM | 33.3912 | 41.1066 | 7.7154 | 44.9546 | 33.7125 | 0.3213 | 71.9687 | 34.3352 | 0.944 | 74.016 |
| 6/11/2025 | 7:00:00 PM | 33.3953 | 41.1102 | 7.7149 | 44.9551 | 33.7134 | 0.3181 | 71.9719 | 34.3367 | 0.9414 | 74.0186 |
| 6/11/2025 | 8:00:00 PM | 33.4014 | 41.1152 | 7.7138 | 44.9562 | 33.717 | 0.3156 | 71.9744 | 34.3376 | 0.9362 | 74.0238 |
| 6/11/2025 | 9:00:00 PM | 33.4053 | 41.117 | 7.7117 | 44.9583 | 33.7214 | 0.3161 | 71.9739 | 34.3358 | 0.9305 | 74.0295 |
| 6/11/2025 | 10:00:00 PM | 33.4171 | 41.1252 | 7.7081 | 44.9619 | 33.8065 | 0.3894 | 71.9006 | 34.3377 | 0.9206 | 74.0394 |
| 6/11/2025 | 11:00:00 PM | 33.4233 | 41.1284 | 7.7051 | 44.9649 | 33.8133 | 0.39 | 71.9 | 34.3368 | 0.9135 | 74.0465 |
| 6/12/2025 | 12:00:00 AM | 33.4298 | 41.131 | 7.7012 | 44.9688 | 33.8195 | 0.3897 | 71.9003 | 34.3367 | 0.9069 | 74.0531 |
| 6/12/2025 | 1:00:00 AM | 33.449 | 41.1458 | 7.6968 | 44.9732 | 33.8398 | 0.3908 | 71.8992 | 34.339 | 0.89 | 74.07 |
| 6/12/2025 | 2:00:00 AM | 33.4597 | 41.1515 | 7.6918 | 44.9782 | 33.8502 | 0.3905 | 71.8995 | 34.3402 | 0.8805 | 74.0795 |
| 6/12/2025 | 3:00:00 AM | 33.4637 | 41.1518 | 7.6881 | 44.9819 | 33.8563 | 0.3926 | 71.8974 | 34.3389 | 0.8752 | 74.0848 |
| 6/12/2025 | 4:00:00 AM | 33.4696 | 41.153 | 7.6834 | 44.9866 | 33.8612 | 0.3916 | 71.8984 | 34.3395 | 0.8699 | 74.0901 |
| 6/12/2025 | 5:00:00 AM | 33.4818 | 41.1602 | 7.6784 | 44.9916 | 33.8755 | 0.3937 | 71.8963 | 34.3406 | 0.8588 | 74.1012 |
| 6/12/2025 | 6:00:00 AM | 33.4842 | 41.1576 | 7.6734 | 44.9966 | 33.8776 | 0.3934 | 71.8966 | 34.3403 | 0.8561 | 74.1039 |
| 6/12/2025 | 7:00:00 AM | 33.4904 | 41.158 | 7.6676 | 45.0024 | 33.8826 | 0.3922 | 71.8978 | 34.34 | 0.8496 | 74.1104 |
| 6/12/2025 | 8:00:00 AM | 33.4886 | 41.1524 | 7.6638 | 45.0062 | 33.8815 | 0.3929 | 71.8971 | 34.3389 | 0.8503 | 74.1097 |
| 6/12/2025 | 9:00:00 AM | 33.4965 | 41.1562 | 7.6597 | 45.0103 | 33.8882 | 0.3917 | 71.8983 | 34.3393 | 0.8428 | 74.1172 |
| 6/12/2025 | 10:00:00 AM | 33.495 | 41.1491 | 7.6541 | 45.0159 | 33.8883 | 0.3933 | 71.8967 | 34.337 | 0.842 | 74.118 |
| 6/12/2025 | 11:00:00 AM | 33.5048 | 41.1539 | 7.6491 | 45.0209 | 33.8952 | 0.3904 | 71.8996 | 34.3388 | 0.834 | 74.126 |
| 6/12/2025 | 12:00:00 PM | 33.5056 | 41.1512 | 7.6456 | 45.0244 | 33.8963 | 0.3907 | 71.8993 | 34.3381 | 0.8325 | 74.1275 |
| 6/12/2025 | 1:00:00 PM | 33.5045 | 41.1479 | 7.6434 | 45.0266 | 33.8961 | 0.3916 | 71.8984 | 34.3359 | 0.8314 | 74.1286 |
| 6/12/2025 | 2:00:00 PM | 33.4901 | 41.1298 | 7.6397 | 45.0303 | 33.886 | 0.3959 | 71.8941 | 34.3322 | 0.8421 | 74.1179 |
| 6/12/2025 | 3:00:00 PM | 33.483 | 41.1223 | 7.6393 | 45.0307 | 33.8788 | 0.3958 | 71.8942 | 34.3299 | 0.8469 | 74.1131 |
| 6/12/2025 | 4:00:00 PM | 33.471 | 41.1101 | 7.6391 | 45.0309 | 33.8706 | 0.3996 | 71.8904 | 34.3284 | 0.8574 | 74.1026 |
| 6/12/2025 | 5:00:00 PM | 33.458 | 41.0993 | 7.6413 | 45.0287 | 33.8597 | 0.4017 | 71.8883 | 34.3259 | 0.8679 | 74.0921 |
| 6/12/2025 | 6:00:00 PM | 33.4432 | 41.0874 | 7.6442 | 45.0258 | 33.8488 | 0.4056 | 71.8844 | 34.3239 | 0.8807 | 74.0793 |
| 6/12/2025 | 7:00:00 PM | 33.4353 | 41.0839 | 7.6486 | 45.0214 | 33.842 | 0.4067 | 71.8833 | 34.3227 | 0.8874 | 74.0726 |
| 6/12/2025 | 8:00:00 PM | 33.4354 | 41.0835 | 7.6481 | 45.0219 | 33.8384 | 0.403 | 71.887 | 34.3227 | 0.8873 | 74.0727 |
| 6/12/2025 | 9:00:00 PM | 33.4404 | 41.0898 | 7.6494 | 45.0206 | 33.8399 | 0.3995 | 71.8905 | 34.3237 | 0.8833 | 74.0767 |
| 6/12/2025 | 10:00:00 PM | 33.4542 | 41.1007 | 7.6465 | 45.0235 | 33.8468 | 0.3926 | 71.8974 | 34.3243 | 0.8701 | 74.0899 |
| 6/12/2025 | 11:00:00 PM | 33.4597 | 41.1051 | 7.6454 | 45.0246 | 33.8478 | 0.3881 | 71.9019 | 34.3247 | 0.865 | 74.095 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/13/2025 | 12:00:00 AM | 33.4485 | 41.0938 | 7.6453 | 45.0247 | 33.8417 | 0.3932 | 71.8968 | 34.3214 | 0.8729 | 74.0871 |
| 6/13/2025 | 1:00:00 AM | 33.4374 | 41.0851 | 7.6477 | 45.0223 | 33.8349 | 0.3975 | 71.8925 | 34.3181 | 0.8807 | 74.0793 |
| 6/13/2025 | 2:00:00 AM | 33.4509 | 41.0979 | 7.647 | 45.023 | 33.8412 | 0.3903 | 71.8997 | 34.3209 | 0.87 | 74.09 |
| 6/13/2025 | 3:00:00 AM | 33.4684 | 41.1125 | 7.6441 | 45.0259 | 33.8525 | 0.3841 | 71.9059 | 34.3238 | 0.8554 | 74.1046 |
| 6/13/2025 | 4:00:00 AM | 33.4647 | 41.1066 | 7.6419 | 45.0281 | 33.8496 | 0.3849 | 71.9051 | 34.3212 | 0.8565 | 74.1035 |
| 6/13/2025 | 5:00:00 AM | 33.4698 | 41.1095 | 7.6397 | 45.0303 | 33.8536 | 0.3838 | 71.9062 | 34.3219 | 0.8521 | 74.1079 |
| 6/13/2025 | 6:00:00 AM | 33.4762 | 41.1117 | 7.6355 | 45.0345 | 33.8578 | 0.3816 | 71.9084 | 34.3217 | 0.8455 | 74.1145 |
| 6/13/2025 | 7:00:00 AM | 33.4869 | 41.1196 | 7.6327 | 45.0373 | 33.868 | 0.3811 | 71.9089 | 34.3231 | 0.8362 | 74.1238 |
| 6/13/2025 | 8:00:00 AM | 33.4956 | 41.1239 | 7.6283 | 45.0417 | 33.8782 | 0.3826 | 71.9074 | 34.3222 | 0.8266 | 74.1334 |
| 6/13/2025 | 9:00:00 AM | 33.5007 | 41.1224 | 7.6217 | 45.0483 | 33.8819 | 0.3812 | 71.9088 | 34.3214 | 0.8207 | 74.1393 |
| 6/13/2025 | 10:00:00 AM | 33.5046 | 41.1225 | 7.6179 | 45.0521 | 33.8863 | 0.3817 | 71.9083 | 34.3197 | 0.8151 | 74.1449 |
| 6/13/2025 | 11:00:00 AM | 33.5048 | 41.1178 | 7.613 | 45.057 | 33.8867 | 0.3819 | 71.9081 | 34.3184 | 0.8136 | 74.1464 |
| 6/13/2025 | 12:00:00 PM | 33.5014 | 41.1121 | 7.6107 | 45.0593 | 33.8839 | 0.3825 | 71.9075 | 34.3165 | 0.8151 | 74.1449 |
| 6/13/2025 | 1:00:00 PM | 33.5132 | 41.1188 | 7.6056 | 45.0644 | 33.8911 | 0.3779 | 71.9121 | 34.318 | 0.8048 | 74.1552 |
| 6/13/2025 | 2:00:00 PM | 33.5175 | 41.1184 | 7.6009 | 45.0691 | 33.8973 | 0.3798 | 71.9102 | 34.3175 | 0.8 | 74.16 |
| 6/13/2025 | 3:00:00 PM | 33.5197 | 41.115 | 7.5953 | 45.0747 | 33.8976 | 0.3779 | 71.9121 | 34.3161 | 0.7964 | 74.1636 |
| 6/13/2025 | 4:00:00 PM | 33.5148 | 41.1077 | 7.5929 | 45.0771 | 33.894 | 0.3792 | 71.9108 | 34.3151 | 0.8003 | 74.1597 |
| 6/13/2025 | 5:00:00 PM | 33.5033 | 41.0959 | 7.5926 | 45.0774 | 33.8861 | 0.3828 | 71.9072 | 34.3128 | 0.8095 | 74.1505 |
| 6/13/2025 | 6:00:00 PM | 33.5034 | 41.094 | 7.5906 | 45.0794 | 33.8845 | 0.3811 | 71.9089 | 34.3129 | 0.8095 | 74.1505 |
| 6/13/2025 | 7:00:00 PM | 33.5063 | 41.0948 | 7.5885 | 45.0815 | 33.8841 | 0.3778 | 71.9122 | 34.3129 | 0.8066 | 74.1534 |
| 6/13/2025 | 8:00:00 PM | 33.5093 | 41.0955 | 7.5862 | 45.0838 | 33.8858 | 0.3765 | 71.9135 | 34.3128 | 0.8035 | 74.1565 |
| 6/13/2025 | 9:00:00 PM | 33.5125 | 41.0958 | 7.5833 | 45.0867 | 33.8852 | 0.3727 | 71.9173 | 34.3129 | 0.8004 | 74.1596 |
| 6/13/2025 | 10:00:00 PM | 33.5292 | 41.1069 | 7.5777 | 45.0923 | 33.9004 | 0.3712 | 71.9188 | 34.3161 | 0.7869 | 74.1731 |
| 6/13/2025 | 11:00:00 PM | 33.5315 | 41.108 | 7.5765 | 45.0935 | 33.9029 | 0.3714 | 71.9186 | 34.3145 | 0.783 | 74.177 |
| 6/14/2025 | 12:00:00 AM | 33.5422 | 41.1123 | 7.5701 | 45.0999 | 33.9131 | 0.3709 | 71.9191 | 34.3156 | 0.7734 | 74.1866 |
| 6/14/2025 | 1:00:00 AM | 33.5436 | 41.112 | 7.5684 | 45.1016 | 33.9164 | 0.3728 | 71.9172 | 34.3142 | 0.7706 | 74.1894 |
| 6/14/2025 | 2:00:00 AM | 33.5448 | 41.1096 | 7.5648 | 45.1052 | 33.9175 | 0.3727 | 71.9173 | 34.3141 | 0.7693 | 74.1907 |
| 6/14/2025 | 3:00:00 AM | 33.5512 | 41.1103 | 7.5591 | 45.1109 | 33.9204 | 0.3692 | 71.9208 | 34.314 | 0.7628 | 74.1972 |
| 6/14/2025 | 4:00:00 AM | 33.5619 | 41.1177 | 7.5558 | 45.1142 | 33.9307 | 0.3688 | 71.9212 | 34.3151 | 0.7532 | 74.2068 |
| 6/14/2025 | 5:00:00 AM | 33.5686 | 41.1192 | 7.5506 | 45.1194 | 33.9362 | 0.3676 | 71.9224 | 34.316 | 0.7474 | 74.2126 |
| 6/14/2025 | 6:00:00 AM | 33.5763 | 41.1232 | 7.5469 | 45.1231 | 33.944 | 0.3677 | 71.9223 | 34.3167 | 0.7404 | 74.2196 |
| 6/14/2025 | 7:00:00 AM | 33.5783 | 41.1187 | 7.5404 | 45.1296 | 33.9465 | 0.3682 | 71.9218 | 34.3163 | 0.738 | 74.222 |
| 6/14/2025 | 8:00:00 AM | 33.5877 | 41.1238 | 7.5361 | 45.1339 | 33.9539 | 0.3662 | 71.9238 | 34.3178 | 0.7301 | 74.2299 |
| 6/14/2025 | 9:00:00 AM | 33.5991 | 41.1291 | 7.53 | 45.14 | 33.9626 | 0.3635 | 71.9265 | 34.3199 | 0.7208 | 74.2392 |
| 6/14/2025 | 10:00:00 AM | 33.6015 | 41.1264 | 7.5249 | 45.1451 | 33.9668 | 0.3653 | 71.9247 | 34.3198 | 0.7183 | 74.2417 |
| 6/14/2025 | 11:00:00 AM | 33.608 | 41.1265 | 7.5185 | 45.1515 | 33.9708 | 0.3628 | 71.9272 | 34.3195 | 0.7115 | 74.2485 |
| 6/14/2025 | 12:00:00 PM | 33.6026 | 41.1196 | 7.517 | 45.153 | 33.9687 | 0.3661 | 71.9239 | 34.3186 | 0.716 | 74.244 |
| 6/14/2025 | 1:00:00 PM | 33.5946 | 41.1089 | 7.5143 | 45.1557 | 33.9621 | 0.3675 | 71.9225 | 34.3167 | 0.7221 | 74.2379 |
| 6/14/2025 | 2:00:00 PM | 33.5932 | 41.1011 | 7.5079 | 45.1621 | 33.9575 | 0.3643 | 71.9257 | 34.3155 | 0.7223 | 74.2377 |
| 6/14/2025 | 3:00:00 PM | 33.5908 | 41.0984 | 7.5076 | 45.1624 | 33.9546 | 0.3638 | 71.9262 | 34.3148 | 0.724 | 74.236 |
| 6/14/2025 | 4:00:00 PM | 33.5874 | 41.0952 | 7.5078 | 45.1622 | 33.951 | 0.3636 | 71.9264 | 34.3151 | 0.7277 | 74.2323 |
| 6/14/2025 | 5:00:00 PM | 33.5882 | 41.094 | 7.5058 | 45.1642 | 33.948 | 0.3598 | 71.9302 | 34.3141 | 0.7259 | 74.2341 |
| 6/14/2025 | 6:00:00 PM | 33.5896 | 41.0931 | 7.5035 | 45.1665 | 33.9468 | 0.3572 | 71.9328 | 34.3149 | 0.7253 | 74.2347 |
| 6/14/2025 | 7:00:00 PM | 33.6015 | 41.1015 | 7.5 | 45.17 | 33.9515 | 0.35 | 71.94 | 34.3167 | 0.7152 | 74.2448 |
| 6/14/2025 | 8:00:00 PM | 33.6128 | 41.1102 | 7.4974 | 45.1726 | 33.9602 | 0.3474 | 71.9426 | 34.318 | 0.7052 | 74.2548 |
| 6/14/2025 | 9:00:00 PM | 33.6113 | 41.1065 | 7.4952 | 45.1748 | 33.961 | 0.3497 | 71.9403 | 34.3177 | 0.7064 | 74.2536 |
| 6/14/2025 | 10:00:00 PM | 33.6247 | 41.1178 | 7.4931 | 45.1769 | 33.9719 | 0.3472 | 71.9428 | 34.3201 | 0.6954 | 74.2646 |
| 6/14/2025 | 11:00:00 PM | 33.6277 | 41.1154 | 7.4877 | 45.1823 | 33.9735 | 0.3458 | 71.9442 | 34.3192 | 0.6915 | 74.2685 |
| 6/15/2025 | 12:00:00 AM | 33.6256 | 41.1125 | 7.4869 | 45.1831 | 33.973 | 0.3474 | 71.9426 | 34.3187 | 0.6931 | 74.2669 |
| 6/15/2025 | 1:00:00 AM | 33.624 | 41.11 | 7.486 | 45.184 | 33.971 | 0.347 | 71.943 | 34.3174 | 0.6934 | 74.2666 |
| 6/15/2025 | 2:00:00 AM | 33.6276 | 41.1099 | 7.4823 | 45.1877 | 33.9725 | 0.3449 | 71.9451 | 34.3177 | 0.6901 | 74.2699 |
| 6/15/2025 | 3:00:00 AM | 33.6276 | 41.1091 | 7.4815 | 45.1885 | 33.974 | 0.3464 | 71.9436 | 34.3177 | 0.6901 | 74.2699 |
| 6/15/2025 | 4:00:00 AM | 33.6336 | 41.1124 | 7.4788 | 45.1912 | 33.979 | 0.3454 | 71.9446 | 34.3182 | 0.6846 | 74.2754 |
| 6/15/2025 | 5:00:00 AM | 33.6395 | 41.1156 | 7.4761 | 45.1939 | 33.9834 | 0.3439 | 71.9461 | 34.3187 | 0.6792 | 74.2808 |
| 6/15/2025 | 6:00:00 AM | 33.6483 | 41.1201 | 7.4718 | 45.1982 | 33.9926 | 0.3443 | 71.9457 | 34.3204 | 0.6721 | 74.2879 |
| 6/15/2025 | 7:00:00 AM | 33.6496 | 41.1179 | 7.4683 | 45.2017 | 33.9949 | 0.3453 | 71.9447 | 34.3192 | 0.6696 | 74.2904 |
| 6/15/2025 | 8:00:00 AM | 33.6483 | 41.114 | 7.4657 | 45.2043 | 33.992 | 0.3437 | 71.9463 | 34.3183 | 0.67 | 74.29 |
| 6/15/2025 | 9:00:00 AM | 33.6413 | 41.1036 | 7.4623 | 45.2077 | 33.986 | 0.3447 | 71.9453 | 34.3163 | 0.675 | 74.285 |

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| 6/15/2025 | 10:00:00 AM | 33.634 | 41.0963 | 7.4623 | 45.2077 | 33.982 | 0.348 | 71.942 | 34.3147 | 0.6807 | 74.2793 |
| 6/15/2025 | 11:00:00 AM | 33.6268 | 41.0882 | 7.4614 | 45.2086 | 33.9752 | 0.3484 | 71.9416 | 34.3118 | 0.685 | 74.275 |
| 6/15/2025 | 12:00:00 PM | 33.6183 | 41.0778 | 7.4595 | 45.2105 | 33.968 | 0.3497 | 71.9403 | 34.3114 | 0.6931 | 74.2669 |
| 6/15/2025 | 1:00:00 PM | 33.6032 | 41.0642 | 7.461 | 45.209 | 33.9551 | 0.3519 | 71.9381 | 34.3084 | 0.7052 | 74.2548 |
| 6/15/2025 | 2:00:00 PM | 33.5826 | 41.0448 | 7.4622 | 45.2078 | 33.9396 | 0.357 | 71.933 | 34.3049 | 0.7223 | 74.2377 |
| 6/15/2025 | 3:00:00 PM | 33.559 | 41.0259 | 7.4669 | 45.2031 | 33.918 | 0.359 | 71.931 | 34.3023 | 0.7433 | 74.2167 |
| 6/15/2025 | 4:00:00 PM | 33.5378 | 41.0118 | 7.474 | 45.196 | 33.9019 | 0.3641 | 71.9259 | 34.301 | 0.7632 | 74.1968 |
| 6/15/2025 | 5:00:00 PM | 33.5188 | 40.9994 | 7.4806 | 45.1894 | 33.8848 | 0.366 | 71.924 | 34.2989 | 0.7801 | 74.1799 |
| 6/15/2025 | 6:00:00 PM | 33.5023 | 40.992 | 7.4897 | 45.1803 | 33.8712 | 0.3689 | 71.9211 | 34.2975 | 0.7952 | 74.1648 |
| 6/15/2025 | 7:00:00 PM | 33.4944 | 40.9906 | 7.4962 | 45.1738 | 33.8627 | 0.3683 | 71.9217 | 34.2984 | 0.804 | 74.156 |
| 6/15/2025 | 8:00:00 PM | 33.4926 | 40.995 | 7.5024 | 45.1676 | 33.8575 | 0.3649 | 71.9251 | 34.299 | 0.8064 | 74.1536 |
| 6/15/2025 | 9:00:00 PM | 33.4942 | 41 | 7.5058 | 45.1642 | 33.8556 | 0.3614 | 71.9286 | 34.3 | 0.8058 | 74.1542 |
| 6/15/2025 | 10:00:00 PM | 33.4996 | 41.0099 | 7.5103 | 45.1597 | 33.8556 | 0.356 | 71.934 | 34.3014 | 0.8018 | 74.1582 |
| 6/15/2025 | 11:00:00 PM | 33.4952 | 41.0096 | 7.5144 | 45.1556 | 33.8529 | 0.3577 | 71.9323 | 34.3017 | 0.8065 | 74.1535 |
| 6/16/2025 | 12:00:00 AM | 33.4943 | 41.0125 | 7.5182 | 45.1518 | 33.85 | 0.3557 | 71.9343 | 34.3019 | 0.8076 | 74.1524 |
| 6/16/2025 | 1:00:00 AM | 33.481 | 41.0057 | 7.5247 | 45.1453 | 33.8415 | 0.3605 | 71.9295 | 34.2987 | 0.8177 | 74.1423 |
| 6/16/2025 | 2:00:00 AM | 33.4755 | 41.0049 | 7.5294 | 45.1406 | 33.838 | 0.3625 | 71.9275 | 34.2981 | 0.8226 | 74.1374 |
| 6/16/2025 | 3:00:00 AM | 33.4801 | 41.0118 | 7.5317 | 45.1383 | 33.8381 | 0.358 | 71.932 | 34.3002 | 0.8201 | 74.1399 |
| 6/16/2025 | 4:00:00 AM | 33.4732 | 41.009 | 7.5358 | 45.1342 | 33.8357 | 0.3625 | 71.9275 | 34.2989 | 0.8257 | 74.1343 |
| 6/16/2025 | 5:00:00 AM | 33.4758 | 41.0139 | 7.5381 | 45.1319 | 33.8344 | 0.3586 | 71.9314 | 34.2996 | 0.8238 | 74.1362 |
| 6/16/2025 | 6:00:00 AM | 33.4976 | 41.0344 | 7.5368 | 45.1332 | 33.8462 | 0.3486 | 71.9414 | 34.3044 | 0.8068 | 74.1532 |
| 6/16/2025 | 7:00:00 AM | 33.5019 | 41.0381 | 7.5362 | 45.1338 | 33.8509 | 0.349 | 71.941 | 34.3048 | 0.8029 | 74.1571 |
| 6/16/2025 | 8:00:00 AM | 33.5206 | 41.0537 | 7.5331 | 45.1369 | 33.8612 | 0.3406 | 71.9494 | 34.3076 | 0.787 | 74.173 |
| 6/16/2025 | 9:00:00 AM | 33.5293 | 41.0589 | 7.5296 | 45.1404 | 33.869 | 0.3397 | 71.9503 | 34.3086 | 0.7793 | 74.1807 |
| 6/16/2025 | 10:00:00 AM | 33.5414 | 41.0649 | 7.5235 | 45.1465 | 33.8771 | 0.3357 | 71.9543 | 34.3096 | 0.7682 | 74.1918 |
| 6/16/2025 | 11:00:00 AM | 33.5478 | 41.0678 | 7.52 | 45.15 | 33.8835 | 0.3357 | 71.9543 | 34.3102 | 0.7624 | 74.1976 |
| 6/16/2025 | 12:00:00 PM | 33.5502 | 41.067 | 7.5168 | 45.1532 | 33.8856 | 0.3354 | 71.9546 | 34.3105 | 0.7603 | 74.1997 |
| 6/16/2025 | 1:00:00 PM | 33.5475 | 41.0608 | 7.5133 | 45.1567 | 33.882 | 0.3345 | 71.9555 | 34.3096 | 0.7621 | 74.1979 |
| 6/16/2025 | 2:00:00 PM | 33.5384 | 41.0488 | 7.5104 | 45.1596 | 33.8752 | 0.3368 | 71.9532 | 34.3064 | 0.768 | 74.192 |
| 6/16/2025 | 3:00:00 PM | 33.5264 | 41.0392 | 7.5128 | 45.1572 | 33.8674 | 0.341 | 71.949 | 34.3048 | 0.7784 | 74.1816 |
| 6/16/2025 | 4:00:00 PM | 33.5218 | 41.0363 | 7.5145 | 45.1555 | 33.861 | 0.3392 | 71.9508 | 34.3046 | 0.7828 | 74.1772 |
| 6/16/2025 | 5:00:00 PM | 33.5216 | 41.0354 | 7.5138 | 45.1562 | 33.8599 | 0.3383 | 71.9517 | 34.3059 | 0.7843 | 74.1757 |
| 6/16/2025 | 6:00:00 PM | 33.5226 | 41.0358 | 7.5132 | 45.1568 | 33.8581 | 0.3355 | 71.9545 | 34.3067 | 0.7841 | 74.1759 |
| 6/16/2025 | 7:00:00 PM | 33.5202 | 41.0342 | 7.514 | 45.156 | 33.8536 | 0.3334 | 71.9566 | 34.3063 | 0.7861 | 74.1739 |
| 6/16/2025 | 8:00:00 PM | 33.5194 | 41.0343 | 7.5149 | 45.1551 | 33.8527 | 0.3333 | 71.9567 | 34.3074 | 0.788 | 74.172 |
| 6/16/2025 | 9:00:00 PM | 33.5174 | 41.0337 | 7.5163 | 45.1537 | 33.8514 | 0.334 | 71.956 | 34.307 | 0.7896 | 74.1704 |
| 6/16/2025 | 10:00:00 PM | 33.526 | 41.042 | 7.516 | 45.154 | 33.8549 | 0.3289 | 71.9611 | 34.309 | 0.783 | 74.177 |
| 6/16/2025 | 11:00:00 PM | 33.5248 | 41.0442 | 7.5194 | 45.1506 | 33.855 | 0.3302 | 71.9598 | 34.31 | 0.7852 | 74.1748 |
| 6/17/2025 | 12:00:00 AM | 33.5306 | 41.0463 | 7.5157 | 45.1543 | 33.8551 | 0.3245 | 71.9655 | 34.3104 | 0.7798 | 74.1802 |
| 6/17/2025 | 1:00:00 AM | 33.5281 | 41.0455 | 7.5174 | 45.1526 | 33.8566 | 0.3285 | 71.9615 | 34.3101 | 0.782 | 74.178 |
| 6/17/2025 | 2:00:00 AM | 33.5186 | 41.0388 | 7.5202 | 45.1498 | 33.8514 | 0.3328 | 71.9572 | 34.3081 | 0.7895 | 74.1705 |
| 6/17/2025 | 3:00:00 AM | 33.5228 | 41.043 | 7.5202 | 45.1498 | 33.8522 | 0.3294 | 71.9606 | 34.3101 | 0.7873 | 74.1727 |
| 6/17/2025 | 4:00:00 AM | 33.5295 | 41.0495 | 7.52 | 45.15 | 33.857 | 0.3275 | 71.9625 | 34.3104 | 0.7809 | 74.1791 |
| 6/17/2025 | 5:00:00 AM | 33.5351 | 41.0513 | 7.5162 | 45.1538 | 33.8618 | 0.3267 | 71.9633 | 34.3123 | 0.7772 | 74.1828 |
| 6/17/2025 | 6:00:00 AM | 33.537 | 41.0546 | 7.5176 | 45.1524 | 33.8654 | 0.3284 | 71.9616 | 34.313 | 0.776 | 74.184 |
| 6/17/2025 | 7:00:00 AM | 33.5324 | 41.0479 | 7.5155 | 45.1545 | 33.8633 | 0.3309 | 71.9591 | 34.3121 | 0.7797 | 74.1803 |
| 6/17/2025 | 8:00:00 AM | 33.5346 | 41.0497 | 7.5151 | 45.1549 | 33.8638 | 0.3292 | 71.9608 | 34.313 | 0.7784 | 74.1816 |
| 6/17/2025 | 9:00:00 AM | 33.5223 | 41.0393 | 7.517 | 45.153 | 33.8567 | 0.3344 | 71.9556 | 34.3088 | 0.7865 | 74.1735 |
| 6/17/2025 | 10:00:00 AM | 33.5328 | 41.0471 | 7.5143 | 45.1557 | 33.8616 | 0.3288 | 71.9612 | 34.3135 | 0.7807 | 74.1793 |
| 6/17/2025 | 11:00:00 AM | 33.5217 | 41.0378 | 7.5161 | 45.1539 | 33.8548 | 0.3331 | 71.9569 | 34.3112 | 0.7895 | 74.1705 |
| 6/17/2025 | 12:00:00 PM | 33.515 | 41.0316 | 7.5166 | 45.1534 | 33.8473 | 0.3323 | 71.9577 | 34.3104 | 0.7954 | 74.1646 |
| 6/17/2025 | 1:00:00 PM | 33.5058 | 41.0225 | 7.5167 | 45.1533 | 33.8416 | 0.3358 | 71.9542 | 34.3083 | 0.8025 | 74.1575 |
| 6/17/2025 | 2:00:00 PM | 33.4986 | 41.0169 | 7.5183 | 45.1517 | 33.8354 | 0.3368 | 71.9532 | 34.3081 | 0.8095 | 74.1505 |
| 6/17/2025 | 3:00:00 PM | 33.483 | 41.0036 | 7.5206 | 45.1494 | 33.8237 | 0.3407 | 71.9493 | 34.3044 | 0.8214 | 74.1386 |
| 6/17/2025 | 4:00:00 PM | 33.4758 | 41.0004 | 7.5246 | 45.1454 | 33.8165 | 0.3407 | 71.9493 | 34.3045 | 0.8287 | 74.1313 |
| 6/17/2025 | 5:00:00 PM | 33.4636 | 40.9899 | 7.5263 | 45.1437 | 33.8058 | 0.3422 | 71.9478 | 34.3036 | 0.84 | 74.12 |
| 6/17/2025 | 6:00:00 PM | 33.4498 | 40.9824 | 7.5326 | 45.1374 | 33.7952 | 0.3454 | 71.9446 | 34.3015 | 0.8517 | 74.1083 |
| 6/17/2025 | 7:00:00 PM | 33.4345 | 40.9736 | 7.5391 | 45.1309 | 33.7832 | 0.3487 | 71.9413 | 34.3007 | 0.8662 | 74.0938 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/17/2025 | 8:00:00 PM | 33.4254 | 40.9714 | 7.546 | 45.124 | 33.7756 | 0.3502 | 71.9398 | 34.3009 | 0.8755 | 74.0845 |
| 6/17/2025 | 9:00:00 PM | 33.4234 | 40.9749 | 7.5515 | 45.1185 | 33.772 | 0.3486 | 71.9414 | 34.3025 | 0.8791 | 74.0809 |
| 6/17/2025 | 10:00:00 PM | 33.4297 | 40.9854 | 7.5557 | 45.1143 | 33.7738 | 0.3441 | 71.9459 | 34.3046 | 0.8749 | 74.0851 |
| 6/17/2025 | 11:00:00 PM | 33.4332 | 40.9916 | 7.5584 | 45.1116 | 33.7754 | 0.3422 | 71.9478 | 34.305 | 0.8718 | 74.0882 |
| 6/18/2025 | 12:00:00 AM | 33.4392 | 40.9984 | 7.5592 | 45.1108 | 33.7773 | 0.3381 | 71.9519 | 34.3061 | 0.8669 | 74.0931 |
| 6/18/2025 | 1:00:00 AM | 33.4261 | 40.9922 | 7.5661 | 45.1039 | 33.7697 | 0.3436 | 71.9464 | 34.3038 | 0.8777 | 74.0823 |
| 6/18/2025 | 2:00:00 AM | 33.4306 | 40.9965 | 7.5659 | 45.1041 | 33.7707 | 0.3401 | 71.9499 | 34.3047 | 0.8741 | 74.0859 |
| 6/18/2025 | 3:00:00 AM | 33.4289 | 40.9985 | 7.5696 | 45.1004 | 33.7687 | 0.3398 | 71.9502 | 34.3053 | 0.8764 | 74.0836 |
| 6/18/2025 | 4:00:00 AM | 33.4335 | 41.0035 | 7.57 | 45.1 | 33.7709 | 0.3374 | 71.9526 | 34.3057 | 0.8722 | 74.0878 |
| 6/18/2025 | 5:00:00 AM | 33.4347 | 41.0053 | 7.5706 | 45.0994 | 33.771 | 0.3363 | 71.9537 | 34.3053 | 0.8706 | 74.0894 |
| 6/18/2025 | 6:00:00 AM | 33.4333 | 41.0045 | 7.5712 | 45.0988 | 33.7716 | 0.3383 | 71.9517 | 34.3046 | 0.8713 | 74.0887 |
| 6/18/2025 | 7:00:00 AM | 33.4402 | 41.0112 | 7.571 | 45.099 | 33.7737 | 0.3335 | 71.9565 | 34.3046 | 0.8644 | 74.0956 |
| 6/18/2025 | 8:00:00 AM | 33.4395 | 41.0101 | 7.5706 | 45.0994 | 33.7743 | 0.3348 | 71.9552 | 34.3058 | 0.8663 | 74.0937 |
| 6/18/2025 | 9:00:00 AM | 33.4442 | 41.0126 | 7.5684 | 45.1016 | 33.7765 | 0.3323 | 71.9577 | 34.3056 | 0.8614 | 74.0986 |
| 6/18/2025 | 10:00:00 AM | 33.4448 | 41.0126 | 7.5678 | 45.1022 | 33.7759 | 0.3311 | 71.9589 | 34.306 | 0.8612 | 74.0988 |
| 6/18/2025 | 11:00:00 AM | 33.4457 | 41.0119 | 7.5662 | 45.1038 | 33.7763 | 0.3306 | 71.9594 | 34.3058 | 0.8601 | 74.0999 |
| 6/18/2025 | 12:00:00 PM | 33.4731 | 41.0339 | 7.5608 | 45.1092 | 33.8023 | 0.3292 | 71.9608 | 34.3114 | 0.8383 | 74.1217 |
| 6/18/2025 | 1:00:00 PM | 33.4774 | 41.034 | 7.5566 | 45.1134 | 33.8072 | 0.3298 | 71.9602 | 34.3106 | 0.8332 | 74.1268 |
| 6/18/2025 | 2:00:00 PM | 33.493 | 41.0448 | 7.5518 | 45.1182 | 33.8195 | 0.3265 | 71.9635 | 34.3116 | 0.8186 | 74.1414 |
| 6/18/2025 | 3:00:00 PM | 33.501 | 41.0471 | 7.5461 | 45.1239 | 33.8285 | 0.3275 | 71.9625 | 34.3116 | 0.8106 | 74.1494 |
| 6/18/2025 | 4:00:00 PM | 33.517 | 41.0567 | 7.5397 | 45.1303 | 33.845 | 0.328 | 71.962 | 34.3136 | 0.7966 | 74.1634 |
| 6/18/2025 | 5:00:00 PM | 33.5255 | 41.0557 | 7.5302 | 45.1398 | 33.8495 | 0.324 | 71.966 | 34.3126 | 0.7871 | 74.1729 |
| 6/18/2025 | 6:00:00 PM | 33.5379 | 41.0651 | 7.5272 | 45.1428 | 33.8663 | 0.3284 | 71.9616 | 34.3146 | 0.7767 | 74.1833 |
| 6/18/2025 | 7:00:00 PM | 33.5561 | 41.0737 | 7.5176 | 45.1524 | 33.8808 | 0.3247 | 71.9653 | 34.3164 | 0.7603 | 74.1997 |
| 6/18/2025 | 8:00:00 PM | 33.5579 | 41.0687 | 7.5108 | 45.1592 | 33.8825 | 0.3246 | 71.9654 | 34.3159 | 0.758 | 74.202 |
| 6/18/2025 | 9:00:00 PM | 33.5468 | 41.0552 | 7.5084 | 45.1616 | 33.8751 | 0.3283 | 71.9617 | 34.314 | 0.7672 | 74.1928 |
| 6/18/2025 | 10:00:00 PM | 33.5509 | 41.0569 | 7.506 | 45.164 | 33.8769 | 0.326 | 71.964 | 34.3145 | 0.7636 | 74.1964 |
| 6/18/2025 | 11:00:00 PM | 33.5522 | 41.0529 | 7.5007 | 45.1693 | 33.8772 | 0.325 | 71.965 | 34.3151 | 0.7629 | 74.1971 |
| 6/19/2025 | 12:00:00 AM | 33.5493 | 41.0493 | 7.5 | 45.17 | 33.8752 | 0.3259 | 71.9641 | 34.3141 | 0.7648 | 74.1952 |
| 6/19/2025 | 1:00:00 AM | 33.5461 | 41.0441 | 7.498 | 45.172 | 33.8737 | 0.3276 | 71.9624 | 34.3139 | 0.7678 | 74.1922 |
| 6/19/2025 | 2:00:00 AM | 33.5338 | 41.031 | 7.4972 | 45.1728 | 33.8641 | 0.3303 | 71.9597 | 34.3107 | 0.7769 | 74.1831 |
| 6/19/2025 | 3:00:00 AM | 33.5246 | 41.0239 | 7.4993 | 45.1707 | 33.8593 | 0.3347 | 71.9553 | 34.3103 | 0.7857 | 74.1743 |
| 6/19/2025 | 4:00:00 AM | 33.5224 | 41.0203 | 7.4979 | 45.1721 | 33.8562 | 0.3338 | 71.9562 | 34.3098 | 0.7874 | 74.1726 |
| 6/19/2025 | 5:00:00 AM | 33.5185 | 41.0164 | 7.4979 | 45.1721 | 33.8533 | 0.3348 | 71.9552 | 34.3094 | 0.7909 | 74.1691 |
| 6/19/2025 | 6:00:00 AM | 33.5205 | 41.0174 | 7.4969 | 45.1731 | 33.8533 | 0.3328 | 71.9572 | 34.3107 | 0.7902 | 74.1698 |
| 6/19/2025 | 7:00:00 AM | 33.5185 | 41.0139 | 7.4954 | 45.1746 | 33.8512 | 0.3327 | 71.9573 | 34.3108 | 0.7923 | 74.1677 |
| 6/19/2025 | 8:00:00 AM | 33.5133 | 41.0099 | 7.4966 | 45.1734 | 33.8468 | 0.3335 | 71.9565 | 34.3103 | 0.797 | 74.163 |
| 6/19/2025 | 9:00:00 AM | 33.5024 | 41.0002 | 7.4978 | 45.1722 | 33.8381 | 0.3357 | 71.9543 | 34.3084 | 0.806 | 74.154 |
| 6/19/2025 | 10:00:00 AM | 33.4766 | 40.979 | 7.5024 | 45.1676 | 33.8228 | 0.3462 | 71.9438 | 34.3048 | 0.8282 | 74.1318 |
| 6/19/2025 | 11:00:00 AM | 33.4639 | 40.9691 | 7.5052 | 45.1648 | 33.8109 | 0.347 | 71.943 | 34.3049 | 0.841 | 74.119 |
| 6/19/2025 | 12:00:00 PM | 33.4504 | 40.9618 | 7.5114 | 45.1586 | 33.8009 | 0.3505 | 71.9395 | 34.305 | 0.8546 | 74.1054 |
| 6/19/2025 | 1:00:00 PM | 33.4374 | 40.9537 | 7.5163 | 45.1537 | 33.7902 | 0.3528 | 71.9372 | 34.3026 | 0.8652 | 74.0948 |
| 6/19/2025 | 2:00:00 PM | 33.422 | 40.9453 | 7.5233 | 45.1467 | 33.7783 | 0.3563 | 71.9337 | 34.303 | 0.881 | 74.079 |
| 6/19/2025 | 3:00:00 PM | 33.4078 | 40.9353 | 7.5275 | 45.1425 | 33.7635 | 0.3557 | 71.9343 | 34.3017 | 0.8939 | 74.0661 |
| 6/19/2025 | 4:00:00 PM | 33.3915 | 40.927 | 7.5355 | 45.1345 | 33.7522 | 0.3607 | 71.9293 | 34.3009 | 0.9094 | 74.0506 |
| 6/19/2025 | 5:00:00 PM | 33.3819 | 40.9246 | 7.5427 | 45.1273 | 33.7428 | 0.3609 | 71.9291 | 34.3001 | 0.9182 | 74.0418 |
| 6/19/2025 | 6:00:00 PM | 33.366 | 40.9167 | 7.5507 | 45.1193 | 33.7295 | 0.3635 | 71.9265 | 34.2983 | 0.9323 | 74.0277 |
| 6/19/2025 | 7:00:00 PM | 33.3546 | 40.9125 | 7.5579 | 45.1121 | 33.719 | 0.3644 | 71.9256 | 34.2992 | 0.9446 | 74.0154 |
| 6/19/2025 | 8:00:00 PM | 33.348 | 40.9132 | 7.5652 | 45.1048 | 33.714 | 0.366 | 71.924 | 34.2994 | 0.9514 | 74.0086 |
| 6/19/2025 | 9:00:00 PM | 33.3394 | 40.913 | 7.5736 | 45.0964 | 33.7066 | 0.3672 | 71.9228 | 34.2995 | 0.9601 | 73.9999 |
| 6/19/2025 | 10:00:00 PM | 33.3351 | 40.9147 | 7.5796 | 45.0904 | 33.6999 | 0.3648 | 71.9252 | 34.2998 | 0.9647 | 73.9953 |
| 6/19/2025 | 11:00:00 PM | 33.3217 | 40.9103 | 7.5886 | 45.0814 | 33.6918 | 0.3701 | 71.9199 | 34.2982 | 0.9765 | 73.9835 |
| 6/20/2025 | 12:00:00 AM | 33.3063 | 40.9026 | 7.5963 | 45.0737 | 33.679 | 0.3727 | 71.9173 | 34.2968 | 0.9905 | 73.9695 |
| 6/20/2025 | 1:00:00 AM | 33.2947 | 40.8995 | 7.6048 | 45.0652 | 33.6713 | 0.3766 | 71.9134 | 34.2961 | 1.0014 | 73.9586 |
| 6/20/2025 | 2:00:00 AM | 33.2888 | 40.9008 | 7.612 | 45.058 | 33.6657 | 0.3769 | 71.9131 | 34.2958 | 1.007 | 73.953 |
| 6/20/2025 | 3:00:00 AM | 33.2804 | 40.9005 | 7.6201 | 45.0499 | 33.6603 | 0.3799 | 71.9101 | 34.2951 | 1.0147 | 73.9453 |
| 6/20/2025 | 4:00:00 AM | 33.2876 | 40.9116 | 7.624 | 45.046 | 33.6624 | 0.3748 | 71.9152 | 34.298 | 1.0104 | 73.9496 |
| 6/20/2025 | 5:00:00 AM | 33.2835 | 40.9133 | 7.6298 | 45.0402 | 33.6611 | 0.3776 | 71.9124 | 34.2958 | 1.0123 | 73.9477 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/20/2025 | 6:00:00 AM | 33.2786 | 40.911 | 7.6324 | 45.0376 | 33.6545 | 0.3759 | 71.9141 | 34.2947 | 1.0161 | 73.9439 |
| 6/20/2025 | 7:00:00 AM | 33.2668 | 40.9062 | 7.6394 | 45.0306 | 33.6472 | 0.3804 | 71.9096 | 34.2937 | 1.0269 | 73.9331 |
| 6/20/2025 | 8:00:00 AM | 33.2637 | 40.9083 | 7.6446 | 45.0254 | 33.6451 | 0.3814 | 71.9086 | 34.2947 | 1.031 | 73.929 |
| 6/20/2025 | 9:00:00 AM | 33.2631 | 40.912 | 7.6489 | 45.0211 | 33.6417 | 0.3786 | 71.9114 | 34.2939 | 1.0308 | 73.9292 |
| 6/20/2025 | 10:00:00 AM | 33.2619 | 40.9143 | 7.6524 | 45.0176 | 33.6411 | 0.3792 | 71.9108 | 34.2953 | 1.0334 | 73.9266 |
| 6/20/2025 | 11:00:00 AM | 33.2628 | 40.9184 | 7.6556 | 45.0144 | 33.6416 | 0.3788 | 71.9112 | 34.2958 | 1.033 | 73.927 |
| 6/20/2025 | 12:00:00 PM | 33.2603 | 40.9184 | 7.6581 | 45.0119 | 33.6384 | 0.3781 | 71.9119 | 34.296 | 1.0357 | 73.9243 |
| 6/20/2025 | 1:00:00 PM | 33.2509 | 40.9138 | 7.6629 | 45.0071 | 33.6323 | 0.3814 | 71.9086 | 34.2954 | 1.0445 | 73.9155 |
| 6/20/2025 | 2:00:00 PM | 33.2575 | 40.923 | 7.6655 | 45.0045 | 33.6351 | 0.3776 | 71.9124 | 34.2973 | 1.0398 | 73.9202 |
| 6/20/2025 | 3:00:00 PM | 33.2529 | 40.9187 | 7.6658 | 45.0042 | 33.6308 | 0.3779 | 71.9121 | 34.2972 | 1.0443 | 73.9157 |
| 6/20/2025 | 4:00:00 PM | 33.25 | 40.9205 | 7.6705 | 44.9995 | 33.6289 | 0.3789 | 71.9111 | 34.2966 | 1.0466 | 73.9134 |
| 6/20/2025 | 5:00:00 PM | 33.2583 | 40.9283 | 7.67 | 45 | 33.6327 | 0.3744 | 71.9156 | 34.2982 | 1.0399 | 73.9201 |
| 6/20/2025 | 6:00:00 PM | 33.2648 | 40.9329 | 7.6681 | 45.0019 | 33.636 | 0.3712 | 71.9188 | 34.2982 | 1.0334 | 73.9266 |
| 6/20/2025 | 7:00:00 PM | 33.2699 | 40.9412 | 7.6713 | 44.9987 | 33.6405 | 0.3706 | 71.9194 | 34.2999 | 1.03 | 73.93 |
| 6/20/2025 | 8:00:00 PM | 33.2882 | 40.9559 | 7.6677 | 45.0023 | 33.6524 | 0.3642 | 71.9258 | 34.3011 | 1.0129 | 73.9471 |
| 6/20/2025 | 9:00:00 PM | 33.2818 | 40.95 | 7.6682 | 45.0018 | 33.6476 | 0.3658 | 71.9242 | 34.2989 | 1.0171 | 73.9429 |
| 6/20/2025 | 10:00:00 PM | 33.295 | 40.9606 | 7.6656 | 45.0044 | 33.6589 | 0.3639 | 71.9261 | 34.3008 | 1.0058 | 73.9542 |
| 6/20/2025 | 11:00:00 PM | 33.2909 | 40.9569 | 7.666 | 45.004 | 33.656 | 0.3651 | 71.9249 | 34.2989 | 1.008 | 73.952 |
| 6/21/2025 | 12:00:00 AM | 33.2999 | 40.9639 | 7.664 | 45.006 | 33.6625 | 0.3626 | 71.9274 | 34.3004 | 1.0005 | 73.9595 |
| 6/21/2025 | 1:00:00 AM | 33.3071 | 40.9704 | 7.6633 | 45.0067 | 33.6695 | 0.3624 | 71.9276 | 34.3016 | 0.9945 | 73.9655 |
| 6/21/2025 | 2:00:00 AM | 33.3134 | 40.9745 | 7.6611 | 45.0089 | 33.678 | 0.3646 | 71.9254 | 34.3029 | 0.9895 | 73.9705 |
| 6/21/2025 | 3:00:00 AM | 33.3209 | 40.9791 | 7.6582 | 45.0118 | 33.6851 | 0.3642 | 71.9258 | 34.3024 | 0.9815 | 73.9785 |
| 6/21/2025 | 4:00:00 AM | 33.3128 | 40.9715 | 7.6587 | 45.0113 | 33.6802 | 0.3674 | 71.9226 | 34.3011 | 0.9883 | 73.9717 |
| 6/21/2025 | 5:00:00 AM | 33.3204 | 40.9784 | 7.658 | 45.012 | 33.6855 | 0.3651 | 71.9249 | 34.302 | 0.9816 | 73.9784 |
| 6/21/2025 | 6:00:00 AM | 33.3285 | 40.9827 | 7.6542 | 45.0158 | 33.6952 | 0.3667 | 71.9233 | 34.303 | 0.9745 | 73.9855 |
| 6/21/2025 | 7:00:00 AM | 33.3239 | 40.978 | 7.6541 | 45.0159 | 33.6951 | 0.3712 | 71.9188 | 34.3012 | 0.9773 | 73.9827 |
| 6/21/2025 | 8:00:00 AM | 33.3312 | 40.9817 | 7.6505 | 45.0195 | 33.6993 | 0.3681 | 71.9219 | 34.3021 | 0.9709 | 73.9891 |
| 6/21/2025 | 9:00:00 AM | 33.3459 | 40.9923 | 7.6464 | 45.0236 | 33.7172 | 0.3713 | 71.9187 | 34.3045 | 0.9586 | 74.0014 |
| 6/21/2025 | 10:00:00 AM | 33.3441 | 40.9876 | 7.6435 | 45.0265 | 33.7178 | 0.3737 | 71.9163 | 34.3026 | 0.9585 | 74.0015 |
| 6/21/2025 | 11:00:00 AM | 33.3573 | 40.9966 | 7.6393 | 45.0307 | 33.7287 | 0.3714 | 71.9186 | 34.305 | 0.9477 | 74.0123 |
| 6/21/2025 | 12:00:00 PM | 33.3672 | 41.0002 | 7.633 | 45.037 | 33.7377 | 0.3705 | 71.9195 | 34.3062 | 0.939 | 74.021 |
| 6/21/2025 | 1:00:00 PM | 33.3746 | 41.0041 | 7.6295 | 45.0405 | 33.7443 | 0.3697 | 71.9203 | 34.306 | 0.9314 | 74.0286 |
| 6/21/2025 | 2:00:00 PM | 33.3825 | 41.0057 | 7.6232 | 45.0468 | 33.7504 | 0.3679 | 71.9221 | 34.3086 | 0.9261 | 74.0339 |
| 6/21/2025 | 3:00:00 PM | 33.3931 | 41.0132 | 7.6201 | 45.0499 | 33.7626 | 0.3695 | 71.9205 | 34.3102 | 0.9171 | 74.0429 |
| 6/21/2025 | 4:00:00 PM | 33.4016 | 41.0176 | 7.616 | 45.054 | 33.7706 | 0.369 | 71.921 | 34.3099 | 0.9083 | 74.0517 |
| 6/21/2025 | 5:00:00 PM | 33.4128 | 41.0227 | 7.6099 | 45.0601 | 33.7829 | 0.3701 | 71.9199 | 34.3112 | 0.8984 | 74.0616 |
| 6/21/2025 | 6:00:00 PM | 33.4293 | 41.0321 | 7.6028 | 45.0672 | 33.7997 | 0.3704 | 71.9196 | 34.312 | 0.8827 | 74.0773 |
| 6/21/2025 | 7:00:00 PM | 33.438 | 41.0331 | 7.5951 | 45.0749 | 33.8081 | 0.3701 | 71.9199 | 34.312 | 0.874 | 74.086 |
| 6/21/2025 | 8:00:00 PM | 33.4543 | 41.0419 | 7.5876 | 45.0824 | 33.8219 | 0.3676 | 71.9224 | 34.3126 | 0.8583 | 74.1017 |
| 6/21/2025 | 9:00:00 PM | 33.4561 | 41.0381 | 7.582 | 45.088 | 33.826 | 0.3699 | 71.9201 | 34.3113 | 0.8552 | 74.1048 |
| 6/21/2025 | 10:00:00 PM | 33.4845 | 41.0557 | 7.5712 | 45.0988 | 33.8532 | 0.3687 | 71.9213 | 34.3147 | 0.8302 | 74.1298 |
| 6/21/2025 | 11:00:00 PM | 33.4976 | 41.0608 | 7.5632 | 45.1068 | 33.8646 | 0.367 | 71.923 | 34.3149 | 0.8173 | 74.1427 |
| 6/22/2025 | 12:00:00 AM | 33.4976 | 41.055 | 7.5574 | 45.1126 | 33.8672 | 0.3696 | 71.9204 | 34.3124 | 0.8148 | 74.1452 |
| 6/22/2025 | 1:00:00 AM | 33.5143 | 41.0631 | 7.5488 | 45.1212 | 33.8799 | 0.3656 | 71.9244 | 34.3136 | 0.7993 | 74.1607 |
| 6/22/2025 | 2:00:00 AM | 33.5168 | 41.0583 | 7.5415 | 45.1285 | 33.8837 | 0.3669 | 71.9231 | 34.3131 | 0.7963 | 74.1637 |
| 6/22/2025 | 3:00:00 AM | 33.5208 | 41.0569 | 7.5361 | 45.1339 | 33.887 | 0.3662 | 71.9238 | 34.3127 | 0.7919 | 74.1681 |
| 6/22/2025 | 4:00:00 AM | 33.517 | 41.0476 | 7.5306 | 45.1394 | 33.8876 | 0.3706 | 71.9194 | 34.3103 | 0.7933 | 74.1667 |
| 6/22/2025 | 5:00:00 AM | 33.5285 | 41.0534 | 7.5249 | 45.1451 | 33.8959 | 0.3674 | 71.9226 | 34.3118 | 0.7833 | 74.1767 |
| 6/22/2025 | 6:00:00 AM | 33.5458 | 41.0614 | 7.5156 | 45.1544 | 33.9112 | 0.3654 | 71.9246 | 34.3131 | 0.7673 | 74.1927 |
| 6/22/2025 | 7:00:00 AM | 33.5622 | 41.0684 | 7.5062 | 45.1638 | 33.9254 | 0.3632 | 71.9268 | 34.3144 | 0.7522 | 74.2078 |
| 6/22/2025 | 8:00:00 AM | 33.5753 | 41.0717 | 7.4964 | 45.1736 | 33.9381 | 0.3628 | 71.9272 | 34.315 | 0.7397 | 74.2203 |
| 6/22/2025 | 9:00:00 AM | 33.5821 | 41.0715 | 7.4894 | 45.1806 | 33.9439 | 0.3618 | 71.9282 | 34.3142 | 0.7321 | 74.2279 |
| 6/22/2025 | 10:00:00 AM | 33.5914 | 41.0711 | 7.4797 | 45.1903 | 33.9527 | 0.3613 | 71.9287 | 34.3141 | 0.7227 | 74.2373 |
| 6/22/2025 | 11:00:00 AM | 33.6021 | 41.0724 | 7.4703 | 45.1997 | 33.961 | 0.3589 | 71.9311 | 34.3157 | 0.7136 | 74.2464 |
| 6/22/2025 | 12:00:00 PM | 33.6144 | 41.0777 | 7.4633 | 45.2067 | 33.9728 | 0.3584 | 71.9316 | 34.3165 | 0.7021 | 74.2579 |
| 6/22/2025 | 1:00:00 PM | 33.6176 | 41.0744 | 7.4568 | 45.2132 | 33.9748 | 0.3572 | 71.9328 | 34.3167 | 0.6991 | 74.2609 |
| 6/22/2025 | 2:00:00 PM | 33.6167 | 41.067 | 7.4503 | 45.2197 | 33.9715 | 0.3548 | 71.9352 | 34.3153 | 0.6986 | 74.2614 |
| 6/22/2025 | 3:00:00 PM | 33.6141 | 41.0615 | 7.4474 | 45.2226 | 33.9705 | 0.3564 | 71.9336 | 34.3153 | 0.7012 | 74.2588 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/22/2025 | 4:00:00 PM | 33.6201 | 41.0603 | 7.4402 | 45.2298 | 33.9704 | 0.3503 | 71.9397 | 34.3163 | 0.6962 | 74.2638 |
| 6/22/2025 | 5:00:00 PM | 33.6136 | 41.0514 | 7.4378 | 45.2322 | 33.9658 | 0.3522 | 71.9378 | 34.3156 | 0.702 | 74.258 |
| 6/22/2025 | 6:00:00 PM | 33.6065 | 41.0408 | 7.4343 | 45.2357 | 33.9581 | 0.3516 | 71.9384 | 34.3137 | 0.7072 | 74.2528 |
| 6/22/2025 | 7:00:00 PM | 33.6188 | 41.0501 | 7.4313 | 45.2387 | 33.9649 | 0.3461 | 71.9439 | 34.3164 | 0.6976 | 74.2624 |
| 6/22/2025 | 8:00:00 PM | 33.6177 | 41.0459 | 7.4282 | 45.2418 | 33.9613 | 0.3436 | 71.9464 | 34.3162 | 0.6985 | 74.2615 |
| 6/22/2025 | 9:00:00 PM | 33.6174 | 41.0448 | 7.4274 | 45.2426 | 33.9606 | 0.3432 | 71.9468 | 34.3159 | 0.6985 | 74.2615 |
| 6/22/2025 | 10:00:00 PM | 33.6173 | 41.041 | 7.4237 | 45.2463 | 33.9607 | 0.3434 | 71.9466 | 34.3145 | 0.6972 | 74.2628 |
| 6/22/2025 | 11:00:00 PM | 33.6157 | 41.0379 | 7.4222 | 45.2478 | 33.9585 | 0.3428 | 71.9472 | 34.3136 | 0.6979 | 74.2621 |
| 6/23/2025 | 12:00:00 AM | 33.6113 | 41.0329 | 7.4216 | 45.2484 | 33.954 | 0.3427 | 71.9473 | 34.3124 | 0.7011 | 74.2589 |
| 6/23/2025 | 1:00:00 AM | 33.609 | 41.03 | 7.421 | 45.249 | 33.95 | 0.341 | 71.949 | 34.3119 | 0.7029 | 74.2571 |
| 6/23/2025 | 2:00:00 AM | 33.5974 | 41.0197 | 7.4223 | 45.2477 | 33.942 | 0.3446 | 71.9454 | 34.3097 | 0.7123 | 74.2477 |
| 6/23/2025 | 3:00:00 AM | 33.5878 | 41.01 | 7.4222 | 45.2478 | 33.9357 | 0.3479 | 71.9421 | 34.3084 | 0.7206 | 74.2394 |
| 6/23/2025 | 4:00:00 AM | 33.5849 | 41.0081 | 7.4232 | 45.2468 | 33.9319 | 0.347 | 71.943 | 34.3083 | 0.7234 | 74.2366 |
| 6/23/2025 | 5:00:00 AM | 33.5775 | 41.0013 | 7.4238 | 45.2462 | 33.9247 | 0.3472 | 71.9428 | 34.3072 | 0.7297 | 74.2303 |
| 6/23/2025 | 6:00:00 AM | 33.576 | 41.0021 | 7.4261 | 45.2439 | 33.9224 | 0.3464 | 71.9436 | 34.3069 | 0.7309 | 74.2291 |
| 6/23/2025 | 7:00:00 AM | 33.5693 | 40.9962 | 7.4269 | 45.2431 | 33.9169 | 0.3476 | 71.9424 | 34.307 | 0.7377 | 74.2223 |
| 6/23/2025 | 8:00:00 AM | 33.5648 | 40.9922 | 7.4274 | 45.2426 | 33.9126 | 0.3478 | 71.9422 | 34.3063 | 0.7415 | 74.2185 |
| 6/23/2025 | 9:00:00 AM | 33.5546 | 40.9843 | 7.4297 | 45.2403 | 33.9032 | 0.3486 | 71.9414 | 34.3039 | 0.7493 | 74.2107 |
| 6/23/2025 | 10:00:00 AM | 33.539 | 40.9713 | 7.4323 | 45.2377 | 33.89 | 0.351 | 71.939 | 34.302 | 0.763 | 74.197 |
| 6/23/2025 | 11:00:00 AM | 33.5345 | 40.9676 | 7.4331 | 45.2369 | 33.8844 | 0.3499 | 71.9401 | 34.3024 | 0.7679 | 74.1921 |
| 6/23/2025 | 12:00:00 PM | 33.525 | 40.9601 | 7.4351 | 45.2349 | 33.8755 | 0.3505 | 71.9395 | 34.302 | 0.777 | 74.183 |
| 6/23/2025 | 1:00:00 PM | 33.5117 | 40.9513 | 7.4396 | 45.2304 | 33.8629 | 0.3512 | 71.9388 | 34.3002 | 0.7885 | 74.1715 |
| 6/23/2025 | 2:00:00 PM | 33.4948 | 40.9405 | 7.4457 | 45.2243 | 33.8496 | 0.3548 | 71.9352 | 34.2984 | 0.8036 | 74.1564 |
| 6/23/2025 | 3:00:00 PM | 33.4862 | 40.9376 | 7.4514 | 45.2186 | 33.8418 | 0.3556 | 71.9344 | 34.2976 | 0.8114 | 74.1486 |
| 6/23/2025 | 4:00:00 PM | 33.4722 | 40.9305 | 7.4583 | 45.2117 | 33.8296 | 0.3574 | 71.9326 | 34.2966 | 0.8244 | 74.1356 |
| 6/23/2025 | 5:00:00 PM | 33.4606 | 40.9244 | 7.4638 | 45.2062 | 33.8252 | 0.3646 | 71.9254 | 34.2954 | 0.8348 | 74.1252 |
| 6/23/2025 | 6:00:00 PM | 33.4396 | 40.9097 | 7.4701 | 45.1999 | 33.8101 | 0.3705 | 71.9195 | 34.293 | 0.8534 | 74.1066 |
| 6/23/2025 | 7:00:00 PM | 33.4306 | 40.9066 | 7.476 | 45.194 | 33.8031 | 0.3725 | 71.9175 | 34.2921 | 0.8615 | 74.0985 |
| 6/23/2025 | 8:00:00 PM | 33.423 | 40.9074 | 7.4844 | 45.1856 | 33.7949 | 0.3719 | 71.9181 | 34.292 | 0.869 | 74.091 |
| 6/23/2025 | 9:00:00 PM | 33.4229 | 40.9119 | 7.489 | 45.181 | 33.7939 | 0.371 | 71.919 | 34.2922 | 0.8693 | 74.0907 |
| 6/23/2025 | 10:00:00 PM | 33.4406 | 40.9298 | 7.4892 | 45.1808 | 33.8033 | 0.3627 | 71.9273 | 34.2951 | 0.8545 | 74.1055 |
| 6/23/2025 | 11:00:00 PM | 33.446 | 40.9376 | 7.4916 | 45.1784 | 33.8041 | 0.3581 | 71.9319 | 34.2957 | 0.8497 | 74.1103 |
| 6/24/2025 | 12:00:00 AM | 33.4405 | 40.9348 | 7.4943 | 45.1757 | 33.8019 | 0.3614 | 71.9286 | 34.2944 | 0.8539 | 74.1061 |
| 6/24/2025 | 1:00:00 AM | 33.4312 | 40.931 | 7.4998 | 45.1702 | 33.7944 | 0.3632 | 71.9268 | 34.2925 | 0.8613 | 74.0987 |
| 6/24/2025 | 2:00:00 AM | 33.4233 | 40.9257 | 7.5024 | 45.1676 | 33.7885 | 0.3652 | 71.9248 | 34.2913 | 0.868 | 74.092 |
| 6/24/2025 | 3:00:00 AM | 33.4186 | 40.9252 | 7.5066 | 45.1634 | 33.7833 | 0.3647 | 71.9253 | 34.2919 | 0.8733 | 74.0867 |
| 6/24/2025 | 4:00:00 AM | 33.407 | 40.9184 | 7.5114 | 45.1586 | 33.7758 | 0.3688 | 71.9212 | 34.291 | 0.884 | 74.076 |
| 6/24/2025 | 5:00:00 AM | 33.4054 | 40.9201 | 7.5147 | 45.1553 | 33.7748 | 0.3694 | 71.9206 | 34.2901 | 0.8847 | 74.0753 |
| 6/24/2025 | 6:00:00 AM | 33.412 | 40.9283 | 7.5163 | 45.1537 | 33.7766 | 0.3646 | 71.9254 | 34.2908 | 0.8788 | 74.0812 |
| 6/24/2025 | 7:00:00 AM | 33.4094 | 40.9272 | 7.5178 | 45.1522 | 33.7753 | 0.3659 | 71.9241 | 34.2907 | 0.8813 | 74.0787 |
| 6/24/2025 | 8:00:00 AM | 33.4151 | 40.9315 | 7.5164 | 45.1536 | 33.7768 | 0.3617 | 71.9283 | 34.2916 | 0.8765 | 74.0835 |
| 6/24/2025 | 9:00:00 AM | 33.4189 | 40.9339 | 7.515 | 45.155 | 33.7798 | 0.3609 | 71.9291 | 34.2912 | 0.8723 | 74.0877 |
| 6/24/2025 | 10:00:00 AM | 33.4069 | 40.9215 | 7.5146 | 45.1554 | 33.772 | 0.3651 | 71.9249 | 34.289 | 0.8821 | 74.0779 |
| 6/24/2025 | 11:00:00 AM | 33.4022 | 40.9193 | 7.5171 | 45.1529 | 33.7657 | 0.3635 | 71.9265 | 34.2878 | 0.8856 | 74.0744 |
| 6/24/2025 | 12:00:00 PM | 33.4021 | 40.9175 | 7.5154 | 45.1546 | 33.7645 | 0.3624 | 71.9276 | 34.2874 | 0.8853 | 74.0747 |
| 6/24/2025 | 1:00:00 PM | 33.3954 | 40.9115 | 7.5161 | 45.1539 | 33.7576 | 0.3622 | 71.9278 | 34.2877 | 0.8923 | 74.0677 |
| 6/24/2025 | 2:00:00 PM | 33.3832 | 40.9035 | 7.5203 | 45.1497 | 33.7503 | 0.3671 | 71.9229 | 34.2859 | 0.9027 | 74.0573 |
| 6/24/2025 | 3:00:00 PM | 33.3831 | 40.9041 | 7.521 | 45.149 | 33.7467 | 0.3636 | 71.9264 | 34.2876 | 0.9045 | 74.0555 |
| 6/24/2025 | 4:00:00 PM | 33.3865 | 40.9092 | 7.5227 | 45.1473 | 33.7475 | 0.361 | 71.929 | 34.288 | 0.9015 | 74.0585 |
| 6/24/2025 | 5:00:00 PM | 33.3861 | 40.9084 | 7.5223 | 45.1477 | 33.7431 | 0.357 | 71.933 | 34.2875 | 0.9014 | 74.0586 |
| 6/24/2025 | 6:00:00 PM | 33.3774 | 40.9029 | 7.5255 | 45.1445 | 33.7377 | 0.3603 | 71.9297 | 34.2864 | 0.909 | 74.051 |
| 6/24/2025 | 7:00:00 PM | 33.3745 | 40.9043 | 7.5298 | 45.1402 | 33.7361 | 0.3616 | 71.9284 | 34.287 | 0.9125 | 74.0475 |
| 6/24/2025 | 8:00:00 PM | 33.387 | 40.917 | 7.53 | 45.14 | 33.7411 | 0.3541 | 71.9359 | 34.2888 | 0.9018 | 74.0582 |
| 6/24/2025 | 9:00:00 PM | 33.4009 | 40.9292 | 7.5283 | 45.1417 | 33.7526 | 0.3517 | 71.9383 | 34.2908 | 0.8899 | 74.0701 |
| 6/24/2025 | 10:00:00 PM | 33.413 | 40.9379 | 7.5249 | 45.1451 | 33.7573 | 0.3443 | 71.9457 | 34.2917 | 0.8787 | 74.0813 |
| 6/24/2025 | 11:00:00 PM | 33.4043 | 40.9306 | 7.5263 | 45.1437 | 33.7546 | 0.3503 | 71.9397 | 34.289 | 0.8847 | 74.0753 |
| 6/25/2025 | 12:00:00 AM | 33.412 | 40.9361 | 7.5241 | 45.1459 | 33.7585 | 0.3465 | 71.9435 | 34.29 | 0.878 | 74.082 |
| 6/25/2025 | 1:00:00 AM | 33.4188 | 40.9407 | 7.5219 | 45.1481 | 33.7659 | 0.3471 | 71.9429 | 34.2904 | 0.8716 | 74.0884 |

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| 6/25/2025 | 2:00:00 AM | 33.4265 | 40.9473 | 7.5208 | 45.1492 | 33.7749 | 0.3484 | 71.9416 | 34.2908 | 0.8643 | 74.0957 |
| 6/25/2025 | 3:00:00 AM | 33.4343 | 40.953 | 7.5187 | 45.1513 | 33.783 | 0.3487 | 71.9413 | 34.2934 | 0.8591 | 74.1009 |
| 6/25/2025 | 4:00:00 AM | 33.4358 | 40.9505 | 7.5147 | 45.1553 | 33.7868 | 0.351 | 71.939 | 34.2917 | 0.8559 | 74.1041 |
| 6/25/2025 | 5:00:00 AM | 33.448 | 40.9594 | 7.5114 | 45.1586 | 33.8003 | 0.3523 | 71.9377 | 34.2938 | 0.8458 | 74.1142 |
| 6/25/2025 | 6:00:00 AM | 33.4634 | 40.9704 | 7.507 | 45.163 | 33.816 | 0.3526 | 71.9374 | 34.2949 | 0.8315 | 74.1285 |
| 6/25/2025 | 7:00:00 AM | 33.4815 | 40.9808 | 7.4993 | 45.1707 | 33.8322 | 0.3507 | 71.9393 | 34.2976 | 0.8161 | 74.1439 |
| 6/25/2025 | 8:00:00 AM | 33.4946 | 40.9871 | 7.4925 | 45.1775 | 33.8459 | 0.3513 | 71.9387 | 34.2976 | 0.803 | 74.157 |
| 6/25/2025 | 9:00:00 AM | 33.4997 | 40.9851 | 7.4854 | 45.1846 | 33.8497 | 0.35 | 71.94 | 34.2967 | 0.797 | 74.163 |
| 6/25/2025 | 10:00:00 AM | 33.5081 | 40.9859 | 7.4778 | 45.1922 | 33.8576 | 0.3495 | 71.9405 | 34.2972 | 0.7891 | 74.1709 |
| 6/25/2025 | 11:00:00 AM | 33.5075 | 40.9821 | 7.4746 | 45.1954 | 33.8596 | 0.3521 | 71.9379 | 34.2955 | 0.788 | 74.172 |
| 6/25/2025 | 12:00:00 PM | 33.5096 | 40.9787 | 7.4691 | 45.2009 | 33.8594 | 0.3498 | 71.9402 | 34.2957 | 0.7861 | 74.1739 |
| 6/25/2025 | 1:00:00 PM | 33.5034 | 40.9696 | 7.4662 | 45.2038 | 33.855 | 0.3516 | 71.9384 | 34.2946 | 0.7912 | 74.1688 |
| 6/25/2025 | 2:00:00 PM | 33.4973 | 40.9619 | 7.4646 | 45.2054 | 33.8516 | 0.3543 | 71.9357 | 34.2937 | 0.7964 | 74.1636 |
| 6/25/2025 | 3:00:00 PM | 33.4952 | 40.9578 | 7.4626 | 45.2074 | 33.8463 | 0.3511 | 71.9389 | 34.2937 | 0.7985 | 74.1615 |
| 6/25/2025 | 4:00:00 PM | 33.4892 | 40.9511 | 7.4619 | 45.2081 | 33.8419 | 0.3527 | 71.9373 | 34.2927 | 0.8035 | 74.1565 |
| 6/25/2025 | 5:00:00 PM | 33.4799 | 40.9417 | 7.4618 | 45.2082 | 33.8344 | 0.3545 | 71.9355 | 34.293 | 0.8131 | 74.1469 |
| 6/25/2025 | 6:00:00 PM | 33.4669 | 40.9323 | 7.4654 | 45.2046 | 33.8236 | 0.3567 | 71.9333 | 34.2916 | 0.8247 | 74.1353 |
| 6/25/2025 | 7:00:00 PM | 33.4637 | 40.9314 | 7.4677 | 45.2023 | 33.8212 | 0.3575 | 71.9325 | 34.2926 | 0.8289 | 74.1311 |
| 6/25/2025 | 8:00:00 PM | 33.4685 | 40.9366 | 7.4681 | 45.2019 | 33.8209 | 0.3524 | 71.9376 | 34.2941 | 0.8256 | 74.1344 |
| 6/25/2025 | 9:00:00 PM | 33.4735 | 40.9403 | 7.4668 | 45.2032 | 33.8229 | 0.3494 | 71.9406 | 34.2944 | 0.8209 | 74.1391 |
| 6/25/2025 | 10:00:00 PM | 33.484 | 40.9497 | 7.4657 | 45.2043 | 33.8281 | 0.3441 | 71.9459 | 34.2973 | 0.8133 | 74.1467 |
| 6/25/2025 | 11:00:00 PM | 33.4822 | 40.9483 | 7.4661 | 45.2039 | 33.8261 | 0.3439 | 71.9461 | 34.2961 | 0.8139 | 74.1461 |
| 6/26/2025 | 12:00:00 AM | 33.4876 | 40.952 | 7.4644 | 45.2056 | 33.828 | 0.3404 | 71.9496 | 34.2967 | 0.8091 | 74.1509 |
| 6/26/2025 | 1:00:00 AM | 33.4853 | 40.9503 | 7.465 | 45.205 | 33.827 | 0.3417 | 71.9483 | 34.2964 | 0.8111 | 74.1489 |
| 6/26/2025 | 2:00:00 AM | 33.4683 | 40.9346 | 7.4663 | 45.2037 | 33.8178 | 0.3495 | 71.9405 | 34.2921 | 0.8238 | 74.1362 |
| 6/26/2025 | 3:00:00 AM | 33.4753 | 40.9419 | 7.4666 | 45.2034 | 33.8184 | 0.3431 | 71.9469 | 34.294 | 0.8187 | 74.1413 |
| 6/26/2025 | 4:00:00 AM | 33.4716 | 40.9406 | 7.469 | 45.201 | 33.8182 | 0.3466 | 71.9434 | 34.2942 | 0.8226 | 74.1374 |
| 6/26/2025 | 5:00:00 AM | 33.4778 | 40.9444 | 7.4666 | 45.2034 | 33.8203 | 0.3425 | 71.9475 | 34.2942 | 0.8164 | 74.1436 |
| 6/26/2025 | 6:00:00 AM | 33.4791 | 40.9461 | 7.467 | 45.203 | 33.8199 | 0.3408 | 71.9492 | 34.2945 | 0.8154 | 74.1446 |
| 6/26/2025 | 7:00:00 AM | 33.4735 | 40.9398 | 7.4663 | 45.2037 | 33.8166 | 0.3431 | 71.9469 | 34.2938 | 0.8203 | 74.1397 |
| 6/26/2025 | 8:00:00 AM | 33.4734 | 40.9402 | 7.4668 | 45.2032 | 33.816 | 0.3426 | 71.9474 | 34.2932 | 0.8198 | 74.1402 |
| 6/26/2025 | 9:00:00 AM | 33.4747 | 40.9398 | 7.4651 | 45.2049 | 33.8159 | 0.3412 | 71.9488 | 34.2934 | 0.8187 | 74.1413 |
| 6/26/2025 | 10:00:00 AM | 33.4658 | 40.932 | 7.4662 | 45.2038 | 33.8093 | 0.3435 | 71.9465 | 34.2911 | 0.8253 | 74.1347 |
| 6/26/2025 | 11:00:00 AM | 33.4629 | 40.929 | 7.4661 | 45.2039 | 33.8064 | 0.3435 | 71.9465 | 34.2916 | 0.8287 | 74.1313 |
| 6/26/2025 | 12:00:00 PM | 33.4656 | 40.931 | 7.4654 | 45.2046 | 33.8078 | 0.3422 | 71.9478 | 34.2911 | 0.8255 | 74.1345 |
| 6/26/2025 | 1:00:00 PM | 33.4552 | 40.9196 | 7.4644 | 45.2056 | 33.8006 | 0.3454 | 71.9446 | 34.2891 | 0.8339 | 74.1261 |
| 6/26/2025 | 2:00:00 PM | 33.4396 | 40.9081 | 7.4685 | 45.2015 | 33.7888 | 0.3492 | 71.9408 | 34.2883 | 0.8487 | 74.1113 |
| 6/26/2025 | 3:00:00 PM | 33.4334 | 40.9057 | 7.4723 | 45.1977 | 33.785 | 0.3516 | 71.9384 | 34.2883 | 0.8549 | 74.1051 |
| 6/26/2025 | 4:00:00 PM | 33.4244 | 40.8982 | 7.4738 | 45.1962 | 33.7756 | 0.3512 | 71.9388 | 34.2874 | 0.863 | 74.097 |
| 6/26/2025 | 5:00:00 PM | 33.4244 | 40.9025 | 7.4781 | 45.1919 | 33.7748 | 0.3504 | 71.9396 | 34.2891 | 0.8647 | 74.0953 |
| 6/26/2025 | 6:00:00 PM | 33.4347 | 40.913 | 7.4783 | 45.1917 | 33.7778 | 0.3431 | 71.9469 | 34.2916 | 0.8569 | 74.1031 |
| 6/26/2025 | 7:00:00 PM | 33.4264 | 40.9079 | 7.4815 | 45.1885 | 33.7738 | 0.3474 | 71.9426 | 34.2903 | 0.8639 | 74.0961 |
| 6/26/2025 | 8:00:00 PM | 33.4238 | 40.9094 | 7.4856 | 45.1844 | 33.7703 | 0.3465 | 71.9435 | 34.2921 | 0.8683 | 74.0917 |
| 6/26/2025 | 9:00:00 PM | 33.4233 | 40.9104 | 7.4871 | 45.1829 | 33.768 | 0.3447 | 71.9453 | 34.2927 | 0.8694 | 74.0906 |
| 6/26/2025 | 10:00:00 PM | 33.428 | 40.9175 | 7.4895 | 45.1805 | 33.7702 | 0.3422 | 71.9478 | 34.2932 | 0.8652 | 74.0948 |
| 6/26/2025 | 11:00:00 PM | 33.4278 | 40.9189 | 7.4911 | 45.1789 | 33.7696 | 0.3418 | 71.9482 | 34.2935 | 0.8657 | 74.0943 |
| 6/27/2025 | 12:00:00 AM | 33.4333 | 40.9254 | 7.4921 | 45.1779 | 33.7724 | 0.3391 | 71.9509 | 34.2944 | 0.8611 | 74.0989 |
| 6/27/2025 | 1:00:00 AM | 33.4322 | 40.9245 | 7.4923 | 45.1777 | 33.7737 | 0.3415 | 71.9485 | 34.2934 | 0.8612 | 74.0988 |
| 6/27/2025 | 2:00:00 AM | 33.4335 | 40.9268 | 7.4933 | 45.1767 | 33.7734 | 0.3399 | 71.9501 | 34.2941 | 0.8606 | 74.0994 |
| 6/27/2025 | 3:00:00 AM | 33.4486 | 40.9408 | 7.4922 | 45.1778 | 33.7889 | 0.3403 | 71.9497 | 34.296 | 0.8474 | 74.1126 |
| 6/27/2025 | 4:00:00 AM | 33.4563 | 40.947 | 7.4907 | 45.1793 | 33.7958 | 0.3395 | 71.9505 | 34.2966 | 0.8403 | 74.1197 |
| 6/27/2025 | 5:00:00 AM | 33.464 | 40.9556 | 7.4916 | 45.1784 | 33.8067 | 0.3427 | 71.9473 | 34.2985 | 0.8345 | 74.1255 |
| 6/27/2025 | 6:00:00 AM | 33.479 | 40.965 | 7.486 | 45.184 | 33.8195 | 0.3405 | 71.9495 | 34.2998 | 0.8208 | 74.1392 |
| 6/27/2025 | 7:00:00 AM | 33.4897 | 40.9725 | 7.4828 | 45.1872 | 33.8311 | 0.3414 | 71.9486 | 34.3012 | 0.8115 | 74.1485 |
| 6/27/2025 | 8:00:00 AM | 33.5089 | 40.9838 | 7.4749 | 45.1951 | 33.8483 | 0.3394 | 71.9506 | 34.3039 | 0.795 | 74.165 |
| 6/27/2025 | 9:00:00 AM | 33.5291 | 40.9963 | 7.4672 | 45.2028 | 33.87 | 0.3409 | 71.9491 | 34.3058 | 0.7767 | 74.1833 |
| 6/27/2025 | 10:00:00 AM | 33.5384 | 40.9998 | 7.4614 | 45.2086 | 33.8769 | 0.3385 | 71.9515 | 34.3047 | 0.7663 | 74.1937 |
| 6/27/2025 | 11:00:00 AM | 33.5441 | 40.999 | 7.4549 | 45.2151 | 33.8837 | 0.3396 | 71.9504 | 34.3042 | 0.7601 | 74.1999 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/27/2025 | 12:00:00 PM | 33.5456 | 40.9945 | 7.4489 | 45.2211 | 33.8867 | 0.3411 | 71.9489 | 34.3028 | 0.7572 | 74.2028 |
| 6/27/2025 | 1:00:00 PM | 33.5508 | 40.9932 | 7.4424 | 45.2276 | 33.8885 | 0.3377 | 71.9523 | 34.3029 | 0.7521 | 74.2079 |
| 6/27/2025 | 2:00:00 PM | 33.5583 | 40.9948 | 7.4365 | 45.2335 | 33.8934 | 0.3351 | 71.9549 | 34.3035 | 0.7452 | 74.2148 |
| 6/27/2025 | 3:00:00 PM | 33.5644 | 40.996 | 7.4316 | 45.2384 | 33.8979 | 0.3335 | 71.9565 | 34.3056 | 0.7412 | 74.2188 |
| 6/27/2025 | 4:00:00 PM | 33.575 | 41.0013 | 7.4263 | 45.2437 | 33.908 | 0.333 | 71.957 | 34.3049 | 0.7299 | 74.2301 |
| 6/27/2025 | 5:00:00 PM | 33.5792 | 40.9989 | 7.4197 | 45.2503 | 33.9094 | 0.3302 | 71.9598 | 34.3062 | 0.727 | 74.233 |
| 6/27/2025 | 6:00:00 PM | 33.5801 | 40.9979 | 7.4178 | 45.2522 | 33.9097 | 0.3296 | 71.9604 | 34.3059 | 0.7258 | 74.2342 |
| 6/27/2025 | 7:00:00 PM | 33.5802 | 40.9942 | 7.414 | 45.256 | 33.9095 | 0.3293 | 71.9607 | 34.306 | 0.7258 | 74.2342 |
| 6/27/2025 | 8:00:00 PM | 33.5789 | 40.9931 | 7.4142 | 45.2558 | 33.9087 | 0.3298 | 71.9602 | 34.3073 | 0.7284 | 74.2316 |
| 6/27/2025 | 9:00:00 PM | 33.5822 | 40.9906 | 7.4084 | 45.2616 | 33.9084 | 0.3262 | 71.9638 | 34.3075 | 0.7253 | 74.2347 |
| 6/27/2025 | 10:00:00 PM | 33.6006 | 41.0055 | 7.4049 | 45.2651 | 33.9248 | 0.3242 | 71.9658 | 34.3097 | 0.7091 | 74.2509 |
| 6/27/2025 | 11:00:00 PM | 33.6045 | 41.0065 | 7.402 | 45.268 | 33.9288 | 0.3243 | 71.9657 | 34.3089 | 0.7044 | 74.2556 |
| 6/28/2025 | 12:00:00 AM | 33.6121 | 41.009 | 7.3969 | 45.2731 | 33.9354 | 0.3233 | 71.9667 | 34.3105 | 0.6984 | 74.2616 |
| 6/28/2025 | 1:00:00 AM | 33.6139 | 41.0073 | 7.3934 | 45.2766 | 33.9362 | 0.3223 | 71.9677 | 34.3091 | 0.6952 | 74.2648 |
| 6/28/2025 | 2:00:00 AM | 33.6078 | 40.9995 | 7.3917 | 45.2783 | 33.9332 | 0.3254 | 71.9646 | 34.3072 | 0.6994 | 74.2606 |
| 6/28/2025 | 3:00:00 AM | 33.6097 | 40.9974 | 7.3877 | 45.2823 | 33.9304 | 0.3207 | 71.9693 | 34.3076 | 0.6979 | 74.2621 |
| 6/28/2025 | 4:00:00 AM | 33.6183 | 41.0018 | 7.3835 | 45.2865 | 33.9361 | 0.3178 | 71.9722 | 34.3087 | 0.6904 | 74.2696 |
| 6/28/2025 | 5:00:00 AM | 33.6315 | 41.0106 | 7.3791 | 45.2909 | 33.9484 | 0.3169 | 71.9731 | 34.3111 | 0.6796 | 74.2804 |
| 6/28/2025 | 6:00:00 AM | 33.643 | 41.0168 | 7.3738 | 45.2962 | 33.9592 | 0.3162 | 71.9738 | 34.3117 | 0.6687 | 74.2913 |
| 6/28/2025 | 7:00:00 AM | 33.654 | 41.0214 | 7.3674 | 45.3026 | 33.9702 | 0.3162 | 71.9738 | 34.3123 | 0.6583 | 74.3017 |
| 6/28/2025 | 8:00:00 AM | 33.6655 | 41.0256 | 7.3601 | 45.3099 | 33.9792 | 0.3137 | 71.9763 | 34.3133 | 0.6478 | 74.3122 |
| 6/28/2025 | 9:00:00 AM | 33.6859 | 41.0386 | 7.3527 | 45.3173 | 33.9997 | 0.3138 | 71.9762 | 34.3165 | 0.6306 | 74.3294 |
| 6/28/2025 | 10:00:00 AM | 33.6849 | 41.0295 | 7.3446 | 45.3254 | 33.9989 | 0.314 | 71.976 | 34.3144 | 0.6295 | 74.3305 |
| 6/28/2025 | 11:00:00 AM | 33.6803 | 41.0203 | 7.34 | 45.33 | 33.9937 | 0.3134 | 71.9766 | 34.312 | 0.6317 | 74.3283 |
| 6/28/2025 | 12:00:00 PM | 33.6888 | 41.0227 | 7.3339 | 45.3361 | 33.9952 | 0.3064 | 71.9836 | 34.3133 | 0.6245 | 74.3355 |
| 6/28/2025 | 1:00:00 PM | 33.6861 | 41.0141 | 7.328 | 45.342 | 33.9918 | 0.3057 | 71.9843 | 34.3125 | 0.6264 | 74.3336 |
| 6/28/2025 | 2:00:00 PM | 33.6839 | 41.0099 | 7.326 | 45.344 | 33.9893 | 0.3054 | 71.9846 | 34.311 | 0.6271 | 74.3329 |
| 6/28/2025 | 3:00:00 PM | 33.6812 | 41.0019 | 7.3207 | 45.3493 | 33.9839 | 0.3027 | 71.9873 | 34.3107 | 0.6295 | 74.3305 |
| 6/28/2025 | 4:00:00 PM | 33.6777 | 40.9967 | 7.319 | 45.351 | 33.9797 | 0.302 | 71.988 | 34.3103 | 0.6326 | 74.3274 |
| 6/28/2025 | 5:00:00 PM | 33.6764 | 40.9908 | 7.3144 | 45.3556 | 33.9764 | 0.3 | 71.99 | 34.3102 | 0.6338 | 74.3262 |
| 6/28/2025 | 6:00:00 PM | 33.6699 | 40.9858 | 7.3159 | 45.3541 | 33.9696 | 0.2997 | 71.9903 | 34.3105 | 0.6406 | 74.3194 |
| 6/28/2025 | 7:00:00 PM | 33.6742 | 40.9909 | 7.3167 | 45.3533 | 33.9709 | 0.2967 | 71.9933 | 34.3121 | 0.6379 | 74.3221 |
| 6/28/2025 | 8:00:00 PM | 33.6757 | 40.9899 | 7.3142 | 45.3558 | 33.97 | 0.2943 | 71.9957 | 34.3125 | 0.6368 | 74.3232 |
| 6/28/2025 | 9:00:00 PM | 33.6831 | 40.9978 | 7.3147 | 45.3553 | 33.973 | 0.2899 | 72.0001 | 34.3139 | 0.6308 | 74.3292 |
| 6/28/2025 | 10:00:00 PM | 33.6907 | 41.0017 | 7.311 | 45.359 | 33.9785 | 0.2878 | 72.0022 | 34.3144 | 0.6237 | 74.3363 |
| 6/28/2025 | 11:00:00 PM | 33.6858 | 40.9967 | 7.3109 | 45.3591 | 33.9757 | 0.2899 | 72.0001 | 34.314 | 0.6282 | 74.3318 |
| 6/29/2025 | 12:00:00 AM | 33.6927 | 41.001 | 7.3083 | 45.3617 | 33.9788 | 0.2861 | 72.0039 | 34.3141 | 0.6214 | 74.3386 |
| 6/29/2025 | 1:00:00 AM | 33.6972 | 41.0028 | 7.3056 | 45.3644 | 33.9832 | 0.286 | 72.004 | 34.3147 | 0.6175 | 74.3425 |
| 6/29/2025 | 2:00:00 AM | 33.6966 | 41.0024 | 7.3058 | 45.3642 | 33.9813 | 0.2847 | 72.0053 | 34.3149 | 0.6183 | 74.3417 |
| 6/29/2025 | 3:00:00 AM | 33.6901 | 40.995 | 7.3049 | 45.3651 | 33.979 | 0.2889 | 72.0011 | 34.3137 | 0.6236 | 74.3364 |
| 6/29/2025 | 4:00:00 AM | 33.687 | 40.9916 | 7.3046 | 45.3654 | 33.9758 | 0.2888 | 72.0012 | 34.3113 | 0.6243 | 74.3357 |
| 6/29/2025 | 5:00:00 AM | 33.6845 | 40.9883 | 7.3038 | 45.3662 | 33.9734 | 0.2889 | 72.0011 | 34.3127 | 0.6282 | 74.3318 |
| 6/29/2025 | 6:00:00 AM | 33.6926 | 40.9945 | 7.3019 | 45.3681 | 33.9769 | 0.2843 | 72.0057 | 34.3138 | 0.6212 | 74.3388 |
| 6/29/2025 | 7:00:00 AM | 33.7033 | 41.0014 | 7.2981 | 45.3719 | 33.9869 | 0.2836 | 72.0064 | 34.3156 | 0.6123 | 74.3477 |
| 6/29/2025 | 8:00:00 AM | 33.7037 | 40.9996 | 7.2959 | 45.3741 | 33.9868 | 0.2831 | 72.0069 | 34.3154 | 0.6117 | 74.3483 |
| 6/29/2025 | 9:00:00 AM | 33.6937 | 40.9873 | 7.2936 | 45.3764 | 33.9777 | 0.284 | 72.006 | 34.3123 | 0.6186 | 74.3414 |
| 6/29/2025 | 10:00:00 AM | 33.6728 | 40.9679 | 7.2951 | 45.3749 | 33.9642 | 0.2914 | 71.9986 | 34.3102 | 0.6374 | 74.3226 |
| 6/29/2025 | 11:00:00 AM | 33.6533 | 40.952 | 7.2987 | 45.3713 | 33.9505 | 0.2972 | 71.9928 | 34.3068 | 0.6535 | 74.3065 |
| 6/29/2025 | 12:00:00 PM | 33.6404 | 40.9409 | 7.3005 | 45.3695 | 33.938 | 0.2976 | 71.9924 | 34.3047 | 0.6643 | 74.2957 |
| 6/29/2025 | 1:00:00 PM | 33.6265 | 40.9291 | 7.3026 | 45.3674 | 33.9249 | 0.2984 | 71.9916 | 34.3036 | 0.6771 | 74.2829 |
| 6/29/2025 | 2:00:00 PM | 33.6091 | 40.915 | 7.3059 | 45.3641 | 33.9111 | 0.302 | 71.988 | 34.3018 | 0.6927 | 74.2673 |
| 6/29/2025 | 3:00:00 PM | 33.5877 | 40.898 | 7.3103 | 45.3597 | 33.8924 | 0.3047 | 71.9853 | 34.2983 | 0.7106 | 74.2494 |
| 6/29/2025 | 4:00:00 PM | 33.5693 | 40.8863 | 7.317 | 45.353 | 33.8741 | 0.3048 | 71.9852 | 34.2972 | 0.7279 | 74.2321 |
| 6/29/2025 | 5:00:00 PM | 33.5459 | 40.8702 | 7.3243 | 45.3457 | 33.8564 | 0.3105 | 71.9795 | 34.2957 | 0.7498 | 74.2102 |
| 6/29/2025 | 6:00:00 PM | 33.528 | 40.861 | 7.333 | 45.337 | 33.8382 | 0.3102 | 71.9798 | 34.2949 | 0.7669 | 74.1931 |
| 6/29/2025 | 7:00:00 PM | 33.5169 | 40.8571 | 7.3402 | 45.3298 | 33.828 | 0.3111 | 71.9789 | 34.2947 | 0.7778 | 74.1822 |
| 6/29/2025 | 8:00:00 PM | 33.5037 | 40.8509 | 7.3472 | 45.3228 | 33.8155 | 0.3118 | 71.9782 | 34.2944 | 0.7907 | 74.1693 |
| 6/29/2025 | 9:00:00 PM | 33.4986 | 40.855 | 7.3564 | 45.3136 | 33.81 | 0.3114 | 71.9786 | 34.2967 | 0.7981 | 74.1619 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/29/2025 | 10:00:00 PM | 33.5043 | 40.866 | 7.3617 | 45.3083 | 33.8132 | 0.3089 | 71.9811 | 34.3002 | 0.7959 | 74.1641 |
| 6/29/2025 | 11:00:00 PM | 33.5123 | 40.8774 | 7.3651 | 45.3049 | 33.8158 | 0.3035 | 71.9865 | 34.3012 | 0.7889 | 74.1711 |
| 6/30/2025 | 12:00:00 AM | 33.5083 | 40.8784 | 7.3701 | 45.2999 | 33.811 | 0.3027 | 71.9873 | 34.302 | 0.7937 | 74.1663 |
| 6/30/2025 | 1:00:00 AM | 33.4953 | 40.873 | 7.3777 | 45.2923 | 33.8015 | 0.3062 | 71.9838 | 34.301 | 0.8057 | 74.1543 |
| 6/30/2025 | 2:00:00 AM | 33.489 | 40.8711 | 7.3821 | 45.2879 | 33.7956 | 0.3066 | 71.9834 | 34.2999 | 0.8109 | 74.1491 |
| 6/30/2025 | 3:00:00 AM | 33.4783 | 40.8683 | 7.39 | 45.28 | 33.7868 | 0.3085 | 71.9815 | 34.2998 | 0.8215 | 74.1385 |
| 6/30/2025 | 4:00:00 AM | 33.4709 | 40.8665 | 7.3956 | 45.2744 | 33.7831 | 0.3122 | 71.9778 | 34.2987 | 0.8278 | 74.1322 |
| 6/30/2025 | 5:00:00 AM | 33.4662 | 40.8677 | 7.4015 | 45.2685 | 33.7779 | 0.3117 | 71.9783 | 34.2994 | 0.8332 | 74.1268 |
| 6/30/2025 | 6:00:00 AM | 33.475 | 40.8784 | 7.4034 | 45.2666 | 33.7822 | 0.3072 | 71.9828 | 34.301 | 0.826 | 74.134 |
| 6/30/2025 | 7:00:00 AM | 33.4809 | 40.8872 | 7.4063 | 45.2637 | 33.7843 | 0.3034 | 71.9866 | 34.3031 | 0.8222 | 74.1378 |
| 6/30/2025 | 8:00:00 AM | 33.4806 | 40.8874 | 7.4068 | 45.2632 | 33.7827 | 0.3021 | 71.9879 | 34.3039 | 0.8233 | 74.1367 |
| 6/30/2025 | 9:00:00 AM | 33.478 | 40.8872 | 7.4092 | 45.2608 | 33.7805 | 0.3025 | 71.9875 | 34.3031 | 0.8251 | 74.1349 |
| 6/30/2025 | 10:00:00 AM | 33.4664 | 40.8791 | 7.4127 | 45.2573 | 33.7716 | 0.3052 | 71.9848 | 34.3014 | 0.835 | 74.125 |
| 6/30/2025 | 11:00:00 AM | 33.4535 | 40.87 | 7.4165 | 45.2535 | 33.7617 | 0.3082 | 71.9818 | 34.3004 | 0.8469 | 74.1131 |
| 6/30/2025 | 12:00:00 PM | 33.4415 | 40.8609 | 7.4194 | 45.2506 | 33.7507 | 0.3092 | 71.9808 | 34.2994 | 0.8579 | 74.1021 |
| 6/30/2025 | 1:00:00 PM | 33.4246 | 40.8514 | 7.4268 | 45.2432 | 33.7387 | 0.3141 | 71.9759 | 34.2979 | 0.8733 | 74.0867 |
| 6/30/2025 | 2:00:00 PM | 33.4133 | 40.843 | 7.4297 | 45.2403 | 33.7287 | 0.3154 | 71.9746 | 34.2977 | 0.8844 | 74.0756 |
| 6/30/2025 | 3:00:00 PM | 33.4004 | 40.838 | 7.4376 | 45.2324 | 33.7167 | 0.3163 | 71.9737 | 34.2965 | 0.8961 | 74.0639 |
| 6/30/2025 | 4:00:00 PM | 33.3891 | 40.8318 | 7.4427 | 45.2273 | 33.7058 | 0.3167 | 71.9733 | 34.2955 | 0.9064 | 74.0536 |
| 6/30/2025 | 5:00:00 PM | 33.3841 | 40.8309 | 7.4468 | 45.2232 | 33.7 | 0.3159 | 71.9741 | 34.2984 | 0.9143 | 74.0457 |
| 6/30/2025 | 6:00:00 PM | 33.3826 | 40.8356 | 7.453 | 45.217 | 33.6979 | 0.3153 | 71.9747 | 34.2987 | 0.9161 | 74.0439 |
| 6/30/2025 | 7:00:00 PM | 33.3807 | 40.8396 | 7.4589 | 45.2111 | 33.6943 | 0.3136 | 71.9764 | 34.2992 | 0.9185 | 74.0415 |
| 6/30/2025 | 8:00:00 PM | 33.3835 | 40.8443 | 7.4608 | 45.2092 | 33.695 | 0.3115 | 71.9785 | 34.3013 | 0.9178 | 74.0422 |
| 6/30/2025 | 9:00:00 PM | 33.3943 | 40.8602 | 7.4659 | 45.2041 | 33.7007 | 0.3064 | 71.9836 | 34.3034 | 0.9091 | 74.0509 |
| 6/30/2025 | 10:00:00 PM | 33.4072 | 40.8735 | 7.4663 | 45.2037 | 33.7093 | 0.3021 | 71.9879 | 34.3057 | 0.8985 | 74.0615 |
| 6/30/2025 | 11:00:00 PM | 33.4102 | 40.8784 | 7.4682 | 45.2018 | 33.7092 | 0.299 | 71.991 | 34.3068 | 0.8966 | 74.0634 |
| 7/1/2025 | 12:00:00 AM | 33.4117 | 40.8822 | 7.4705 | 45.1995 | 33.7115 | 0.2998 | 71.9902 | 34.3076 | 0.8959 | 74.0641 |
| 7/1/2025 | 1:00:00 AM | 33.4273 | 40.8975 | 7.4702 | 45.1998 | 33.7228 | 0.2955 | 71.9945 | 34.3097 | 0.8824 | 74.0776 |
| 7/1/2025 | 2:00:00 AM | 33.4271 | 40.896 | 7.4689 | 45.2011 | 33.7218 | 0.2947 | 71.9953 | 34.3081 | 0.881 | 74.079 |
| 7/1/2025 | 3:00:00 AM | 33.4218 | 40.8927 | 7.4709 | 45.1991 | 33.7205 | 0.2987 | 71.9913 | 34.3074 | 0.8856 | 74.0744 |
| 7/1/2025 | 4:00:00 AM | 33.4145 | 40.8877 | 7.4732 | 45.1968 | 33.7181 | 0.3036 | 71.9864 | 34.3044 | 0.8899 | 74.0701 |
| 7/1/2025 | 5:00:00 AM | 33.4317 | 40.9024 | 7.4707 | 45.1993 | 33.7269 | 0.2952 | 71.9948 | 34.3077 | 0.876 | 74.084 |
| 7/1/2025 | 6:00:00 AM | 33.4405 | 40.9092 | 7.4687 | 45.2013 | 33.7339 | 0.2934 | 71.9966 | 34.3094 | 0.8689 | 74.0911 |
| 7/1/2025 | 7:00:00 AM | 33.4524 | 40.9176 | 7.4652 | 45.2048 | 33.7446 | 0.2922 | 71.9978 | 34.3113 | 0.8589 | 74.1011 |
| 7/1/2025 | 8:00:00 AM | 33.4536 | 40.9179 | 7.4643 | 45.2057 | 33.7494 | 0.2958 | 71.9942 | 34.3105 | 0.8569 | 74.1031 |
| 7/1/2025 | 9:00:00 AM | 33.4357 | 40.9013 | 7.4656 | 45.2044 | 33.7371 | 0.3014 | 71.9886 | 34.3071 | 0.8714 | 74.0886 |
| 7/1/2025 | 10:00:00 AM | 33.4067 | 40.8755 | 7.4688 | 45.2012 | 33.719 | 0.3123 | 71.9777 | 34.3031 | 0.8964 | 74.0636 |
| 7/1/2025 | 11:00:00 AM | 33.3969 | 40.8693 | 7.4724 | 45.1976 | 33.7125 | 0.3156 | 71.9744 | 34.303 | 0.9061 | 74.0539 |
| 7/1/2025 | 12:00:00 PM | 33.3874 | 40.8634 | 7.476 | 45.194 | 33.7057 | 0.3183 | 71.9717 | 34.3031 | 0.9157 | 74.0443 |
| 7/1/2025 | 1:00:00 PM | 33.386 | 40.8625 | 7.4765 | 45.1935 | 33.7006 | 0.3146 | 71.9754 | 34.3022 | 0.9162 | 74.0438 |
| 7/1/2025 | 2:00:00 PM | 33.3742 | 40.8534 | 7.4792 | 45.1908 | 33.6921 | 0.3179 | 71.9721 | 34.3017 | 0.9275 | 74.0325 |
| 7/1/2025 | 3:00:00 PM | 33.3677 | 40.8494 | 7.4817 | 45.1883 | 33.6856 | 0.3179 | 71.9721 | 34.301 | 0.9333 | 74.0267 |
| 7/1/2025 | 4:00:00 PM | 33.3575 | 40.8426 | 7.4851 | 45.1849 | 33.6778 | 0.3203 | 71.9697 | 34.2996 | 0.9421 | 74.0179 |
| 7/1/2025 | 5:00:00 PM | 33.3543 | 40.8424 | 7.4881 | 45.1819 | 33.6735 | 0.3192 | 71.9708 | 34.3 | 0.9457 | 74.0143 |
| 7/1/2025 | 6:00:00 PM | 33.351 | 40.8417 | 7.4907 | 45.1793 | 33.6692 | 0.3182 | 71.9718 | 34.2993 | 0.9483 | 74.0117 |
| 7/1/2025 | 7:00:00 PM | 33.3489 | 40.8426 | 7.4937 | 45.1763 | 33.6665 | 0.3176 | 71.9724 | 34.2992 | 0.9503 | 74.0097 |
| 7/1/2025 | 8:00:00 PM | 33.3462 | 40.8415 | 7.4953 | 45.1747 | 33.6629 | 0.3167 | 71.9733 | 34.2996 | 0.9534 | 74.0066 |
| 7/1/2025 | 9:00:00 PM | 33.345 | 40.8475 | 7.5025 | 45.1675 | 33.6637 | 0.3187 | 71.9713 | 34.2992 | 0.9542 | 74.0058 |
| 7/1/2025 | 10:00:00 PM | 33.3534 | 40.8552 | 7.5018 | 45.1682 | 33.667 | 0.3136 | 71.9764 | 34.301 | 0.9476 | 74.0124 |
| 7/1/2025 | 11:00:00 PM | 33.3633 | 40.8641 | 7.5008 | 45.1692 | 33.6706 | 0.3073 | 71.9827 | 34.3024 | 0.9391 | 74.0209 |
| 7/2/2025 | 12:00:00 AM | 33.3749 | 40.874 | 7.4991 | 45.1709 | 33.679 | 0.3041 | 71.9859 | 34.3044 | 0.9295 | 74.0305 |
| 7/2/2025 | 1:00:00 AM | 33.3736 | 40.8725 | 7.4989 | 45.1711 | 33.6821 | 0.3085 | 71.9815 | 34.3038 | 0.9302 | 74.0298 |
| 7/2/2025 | 2:00:00 AM | 33.3833 | 40.8825 | 7.4992 | 45.1708 | 33.6914 | 0.3081 | 71.9819 | 34.3051 | 0.9218 | 74.0382 |
| 7/2/2025 | 3:00:00 AM | 33.3876 | 40.8829 | 7.4953 | 45.1747 | 33.6943 | 0.3067 | 71.9833 | 34.3046 | 0.917 | 74.043 |
| 7/2/2025 | 4:00:00 AM | 33.3825 | 40.8801 | 7.4976 | 45.1724 | 33.6934 | 0.3109 | 71.9791 | 34.3028 | 0.9203 | 74.0397 |
| 7/2/2025 | 5:00:00 AM | 33.3964 | 40.891 | 7.4946 | 45.1754 | 33.7093 | 0.3129 | 71.9771 | 34.306 | 0.9096 | 74.0504 |
| 7/2/2025 | 6:00:00 AM | 33.4007 | 40.8938 | 7.4931 | 45.1769 | 33.7165 | 0.3158 | 71.9742 | 34.3052 | 0.9045 | 74.0555 |
| 7/2/2025 | 7:00:00 AM | 33.415 | 40.9018 | 7.4868 | 45.1832 | 33.7305 | 0.3155 | 71.9745 | 34.3071 | 0.8921 | 74.0679 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/2/2025 | 8:00:00 AM | 33.4242 | 40.9058 | 7.4816 | 45.1884 | 33.7405 | 0.3163 | 71.9737 | 34.3079 | 0.8837 | 74.0763 |
| 7/2/2025 | 9:00:00 AM | 33.4242 | 40.903 | 7.4788 | 45.1912 | 33.7425 | 0.3183 | 71.9717 | 34.3067 | 0.8825 | 74.0775 |
| 7/2/2025 | 10:00:00 AM | 33.4171 | 40.8931 | 7.476 | 45.194 | 33.7386 | 0.3215 | 71.9685 | 34.304 | 0.8869 | 74.0731 |
| 7/2/2025 | 11:00:00 AM | 33.4237 | 40.896 | 7.4723 | 45.1977 | 33.7413 | 0.3176 | 71.9724 | 34.305 | 0.8813 | 74.0787 |
| 7/2/2025 | 12:00:00 PM | 33.4185 | 40.8876 | 7.4691 | 45.2009 | 33.7379 | 0.3194 | 71.9706 | 34.3037 | 0.8852 | 74.0748 |
| 7/2/2025 | 1:00:00 PM | 33.4199 | 40.8868 | 7.4669 | 45.2031 | 33.7383 | 0.3184 | 71.9716 | 34.3053 | 0.8854 | 74.0746 |
| 7/2/2025 | 2:00:00 PM | 33.4148 | 40.8786 | 7.4638 | 45.2062 | 33.7352 | 0.3204 | 71.9696 | 34.3034 | 0.8886 | 74.0714 |
| 7/2/2025 | 3:00:00 PM | 33.4223 | 40.8834 | 7.4611 | 45.2089 | 33.7401 | 0.3178 | 71.9722 | 34.3042 | 0.8819 | 74.0781 |
| 7/2/2025 | 4:00:00 PM | 33.4213 | 40.8801 | 7.4588 | 45.2112 | 33.7381 | 0.3168 | 71.9732 | 34.3028 | 0.8815 | 74.0785 |
| 7/2/2025 | 5:00:00 PM | 33.413 | 40.8706 | 7.4576 | 45.2124 | 33.7319 | 0.3189 | 71.9711 | 34.3009 | 0.8879 | 74.0721 |
| 7/2/2025 | 6:00:00 PM | 33.4035 | 40.8595 | 7.456 | 45.214 | 33.7233 | 0.3198 | 71.9702 | 34.2997 | 0.8962 | 74.0638 |
| 7/2/2025 | 7:00:00 PM | 33.404 | 40.8612 | 7.4572 | 45.2128 | 33.7254 | 0.3214 | 71.9686 | 34.2992 | 0.8952 | 74.0648 |
| 7/2/2025 | 8:00:00 PM | 33.4159 | 40.8706 | 7.4547 | 45.2153 | 33.7298 | 0.3139 | 71.9761 | 34.3022 | 0.8863 | 74.0737 |
| 7/2/2025 | 9:00:00 PM | 33.4183 | 40.8719 | 7.4536 | 45.2164 | 33.7347 | 0.3164 | 71.9736 | 34.3024 | 0.8841 | 74.0759 |
| 7/2/2025 | 10:00:00 PM | 33.434 | 40.8847 | 7.4507 | 45.2193 | 33.7506 | 0.3166 | 71.9734 | 34.3059 | 0.8719 | 74.0881 |
| 7/2/2025 | 11:00:00 PM | 33.4364 | 40.8838 | 7.4474 | 45.2226 | 33.7531 | 0.3167 | 71.9733 | 34.3053 | 0.8689 | 74.0911 |
| 7/3/2025 | 12:00:00 AM | 33.4359 | 40.8842 | 7.4483 | 45.2217 | 33.7538 | 0.3179 | 71.9721 | 34.305 | 0.8691 | 74.0909 |
| 7/3/2025 | 1:00:00 AM | 33.4506 | 40.8959 | 7.4453 | 45.2247 | 33.7698 | 0.3192 | 71.9708 | 34.3073 | 0.8567 | 74.1033 |
| 7/3/2025 | 2:00:00 AM | 33.4531 | 40.8948 | 7.4417 | 45.2283 | 33.7731 | 0.32 | 71.97 | 34.3066 | 0.8535 | 74.1065 |
| 7/3/2025 | 3:00:00 AM | 33.4597 | 40.8982 | 7.4385 | 45.2315 | 33.7786 | 0.3189 | 71.9711 | 34.3067 | 0.847 | 74.113 |
| 7/3/2025 | 4:00:00 AM | 33.458 | 40.8951 | 7.4371 | 45.2329 | 33.7821 | 0.3241 | 71.9659 | 34.3057 | 0.8477 | 74.1123 |
| 7/3/2025 | 5:00:00 AM | 33.461 | 40.8951 | 7.4341 | 45.2359 | 33.7829 | 0.3219 | 71.9681 | 34.3052 | 0.8442 | 74.1158 |
| 7/3/2025 | 6:00:00 AM | 33.4648 | 40.8953 | 7.4305 | 45.2395 | 33.7876 | 0.3228 | 71.9672 | 34.3055 | 0.8407 | 74.1193 |
| 7/3/2025 | 7:00:00 AM | 33.4761 | 40.903 | 7.4269 | 45.2431 | 33.7988 | 0.3227 | 71.9673 | 34.3073 | 0.8312 | 74.1288 |
| 7/3/2025 | 8:00:00 AM | 33.4913 | 40.9117 | 7.4204 | 45.2496 | 33.8136 | 0.3223 | 71.9677 | 34.3086 | 0.8173 | 74.1427 |
| 7/3/2025 | 9:00:00 AM | 33.4978 | 40.9145 | 7.4167 | 45.2533 | 33.8203 | 0.3225 | 71.9675 | 34.3094 | 0.8116 | 74.1484 |
| 7/3/2025 | 10:00:00 AM | 33.4963 | 40.9095 | 7.4132 | 45.2568 | 33.8207 | 0.3244 | 71.9656 | 34.3083 | 0.812 | 74.148 |
| 7/3/2025 | 11:00:00 AM | 33.4921 | 40.901 | 7.4089 | 45.2611 | 33.8161 | 0.324 | 71.966 | 34.3079 | 0.8158 | 74.1442 |
| 7/3/2025 | 12:00:00 PM | 33.4953 | 40.9017 | 7.4064 | 45.2636 | 33.8157 | 0.3204 | 71.9696 | 34.3092 | 0.8139 | 74.1461 |
| 7/3/2025 | 1:00:00 PM | 33.4905 | 40.894 | 7.4035 | 45.2665 | 33.8142 | 0.3237 | 71.9663 | 34.3075 | 0.817 | 74.143 |
| 7/3/2025 | 2:00:00 PM | 33.4847 | 40.8891 | 7.4044 | 45.2656 | 33.8078 | 0.3231 | 71.9669 | 34.3063 | 0.8216 | 74.1384 |
| 7/3/2025 | 3:00:00 PM | 33.4773 | 40.8826 | 7.4053 | 45.2647 | 33.8029 | 0.3256 | 71.9644 | 34.305 | 0.8277 | 74.1323 |
| 7/3/2025 | 4:00:00 PM | 33.4729 | 40.8763 | 7.4034 | 45.2666 | 33.798 | 0.3251 | 71.9649 | 34.3041 | 0.8312 | 74.1288 |
| 7/3/2025 | 5:00:00 PM | 33.4601 | 40.8657 | 7.4056 | 45.2644 | 33.7896 | 0.3295 | 71.9605 | 34.3028 | 0.8427 | 74.1173 |
| 7/3/2025 | 6:00:00 PM | 33.4509 | 40.858 | 7.4071 | 45.2629 | 33.7809 | 0.33 | 71.96 | 34.3017 | 0.8508 | 74.1092 |
| 7/3/2025 | 7:00:00 PM | 33.4453 | 40.8553 | 7.41 | 45.26 | 33.7749 | 0.3296 | 71.9604 | 34.3023 | 0.857 | 74.103 |
| 7/3/2025 | 8:00:00 PM | 33.4406 | 40.8528 | 7.4122 | 45.2578 | 33.7702 | 0.3296 | 71.9604 | 34.3024 | 0.8618 | 74.0982 |
| 7/3/2025 | 9:00:00 PM | 33.4428 | 40.8576 | 7.4148 | 45.2552 | 33.7721 | 0.3293 | 71.9607 | 34.3038 | 0.861 | 74.099 |
| 7/3/2025 | 10:00:00 PM | 33.4561 | 40.8714 | 7.4153 | 45.2547 | 33.7755 | 0.3194 | 71.9706 | 34.3066 | 0.8505 | 74.1095 |
| 7/3/2025 | 11:00:00 PM | 33.4648 | 40.8802 | 7.4154 | 45.2546 | 33.7818 | 0.317 | 71.973 | 34.3083 | 0.8435 | 74.1165 |
| 7/4/2025 | 12:00:00 AM | 33.468 | 40.8838 | 7.4158 | 45.2542 | 33.7864 | 0.3184 | 71.9716 | 34.3078 | 0.8398 | 74.1202 |
| 7/4/2025 | 1:00:00 AM | 33.4608 | 40.8761 | 7.4153 | 45.2547 | 33.7825 | 0.3217 | 71.9683 | 34.3049 | 0.8441 | 74.1159 |
| 7/4/2025 | 2:00:00 AM | 33.4599 | 40.8757 | 7.4158 | 45.2542 | 33.7785 | 0.3186 | 71.9714 | 34.3051 | 0.8452 | 74.1148 |
| 7/4/2025 | 3:00:00 AM | 33.4355 | 40.8579 | 7.4224 | 45.2476 | 33.7642 | 0.3287 | 71.9613 | 34.3004 | 0.8649 | 74.0951 |
| 7/4/2025 | 4:00:00 AM | 33.4195 | 40.846 | 7.4265 | 45.2435 | 33.7582 | 0.3387 | 71.9513 | 34.2979 | 0.8784 | 74.0816 |
| 7/4/2025 | 5:00:00 AM | 33.4343 | 40.8597 | 7.4254 | 45.2446 | 33.7637 | 0.3294 | 71.9606 | 34.3008 | 0.8665 | 74.0935 |
| 7/4/2025 | 6:00:00 AM | 33.4512 | 40.8751 | 7.4239 | 45.2461 | 33.7725 | 0.3213 | 71.9687 | 34.3042 | 0.853 | 74.107 |
| 7/4/2025 | 7:00:00 AM | 33.45 | 40.8743 | 7.4243 | 45.2457 | 33.7737 | 0.3237 | 71.9663 | 34.3019 | 0.8519 | 74.1081 |
| 7/4/2025 | 8:00:00 AM | 33.4576 | 40.8785 | 7.4209 | 45.2491 | 33.7842 | 0.3266 | 71.9634 | 34.3041 | 0.8465 | 74.1135 |
| 7/4/2025 | 9:00:00 AM | 33.4691 | 40.8855 | 7.4164 | 45.2536 | 33.7935 | 0.3244 | 71.9656 | 34.3054 | 0.8363 | 74.1237 |
| 7/4/2025 | 10:00:00 AM | 33.4652 | 40.8812 | 7.416 | 45.254 | 33.7889 | 0.3237 | 71.9663 | 34.3044 | 0.8392 | 74.1208 |
| 7/4/2025 | 11:00:00 AM | 33.4677 | 40.8824 | 7.4147 | 45.2553 | 33.7906 | 0.3229 | 71.9671 | 34.304 | 0.8363 | 74.1237 |
| 7/4/2025 | 12:00:00 PM | 33.4619 | 40.8757 | 7.4138 | 45.2562 | 33.7857 | 0.3238 | 71.9662 | 34.3036 | 0.8417 | 74.1183 |
| 7/4/2025 | 1:00:00 PM | 33.4654 | 40.8778 | 7.4124 | 45.2576 | 33.7872 | 0.3218 | 71.9682 | 34.3042 | 0.8388 | 74.1212 |
| 7/4/2025 | 2:00:00 PM | 33.4754 | 40.8837 | 7.4083 | 45.2617 | 33.7946 | 0.3192 | 71.9708 | 34.3059 | 0.8305 | 74.1295 |
| 7/4/2025 | 3:00:00 PM | 33.4791 | 40.8864 | 7.4073 | 45.2627 | 33.7986 | 0.3195 | 71.9705 | 34.3068 | 0.8277 | 74.1323 |
| 7/4/2025 | 4:00:00 PM | 33.494 | 40.8958 | 7.4018 | 45.2682 | 33.8118 | 0.3178 | 71.9722 | 34.3082 | 0.8142 | 74.1458 |
| 7/4/2025 | 5:00:00 PM | 33.5079 | 40.9064 | 7.3985 | 45.2715 | 33.8239 | 0.316 | 71.974 | 34.3102 | 0.8023 | 74.1577 |

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| 7/4/2025 | 6:00:00 PM | 33.5297 | 40.92 | 7.3903 | 45.2797 | 33.8445 | 0.3148 | 71.9752 | 34.3137 | 0.784 | 74.176 |
| 7/4/2025 | 7:00:00 PM | 33.5532 | 40.9354 | 7.3822 | 45.2878 | 33.8653 | 0.3121 | 71.9779 | 34.3153 | 0.7621 | 74.1979 |
| 7/4/2025 | 8:00:00 PM | 33.5718 | 40.9439 | 7.3721 | 45.2979 | 33.8827 | 0.3109 | 71.9791 | 34.3173 | 0.7455 | 74.2145 |
| 7/4/2025 | 9:00:00 PM | 33.5848 | 40.951 | 7.3662 | 45.3038 | 33.8964 | 0.3116 | 71.9784 | 34.3175 | 0.7327 | 74.2273 |
| 7/4/2025 | 10:00:00 PM | 33.6094 | 40.9682 | 7.3588 | 45.3112 | 33.9212 | 0.3118 | 71.9782 | 34.3208 | 0.7114 | 74.2486 |
| 7/4/2025 | 11:00:00 PM | 33.6234 | 40.9726 | 7.3492 | 45.3208 | 33.9327 | 0.3093 | 71.9807 | 34.3216 | 0.6982 | 74.2618 |
| 7/5/2025 | 12:00:00 AM | 33.6401 | 40.9811 | 7.341 | 45.329 | 33.9478 | 0.3077 | 71.9823 | 34.3229 | 0.6828 | 74.2772 |
| 7/5/2025 | 1:00:00 AM | 33.6397 | 40.9744 | 7.3347 | 45.3353 | 33.9467 | 0.307 | 71.983 | 34.3219 | 0.6822 | 74.2778 |
| 7/5/2025 | 2:00:00 AM | 33.6365 | 40.9685 | 7.332 | 45.338 | 33.9453 | 0.3088 | 71.9812 | 34.3206 | 0.6841 | 74.2759 |
| 7/5/2025 | 3:00:00 AM | 33.6451 | 40.9697 | 7.3246 | 45.3454 | 33.952 | 0.3069 | 71.9831 | 34.3196 | 0.6745 | 74.2855 |
| 7/5/2025 | 4:00:00 AM | 33.6514 | 40.9709 | 7.3195 | 45.3505 | 33.9583 | 0.3069 | 71.9831 | 34.32 | 0.6686 | 74.2914 |
| 7/5/2025 | 5:00:00 AM | 33.6782 | 40.9859 | 7.3077 | 45.3623 | 33.9839 | 0.3057 | 71.9843 | 34.3233 | 0.6451 | 74.3149 |
| 7/5/2025 | 6:00:00 AM | 33.6883 | 40.9881 | 7.2998 | 45.3702 | 33.9914 | 0.3031 | 71.9869 | 34.3234 | 0.6351 | 74.3249 |
| 7/5/2025 | 7:00:00 AM | 33.7022 | 40.9939 | 7.2917 | 45.3783 | 34.0064 | 0.3042 | 71.9858 | 34.3242 | 0.622 | 74.338 |
| 7/5/2025 | 8:00:00 AM | 33.7126 | 40.9958 | 7.2832 | 45.3868 | 34.0128 | 0.3002 | 71.9898 | 34.3228 | 0.6102 | 74.3498 |
| 7/5/2025 | 9:00:00 AM | 33.7199 | 40.9956 | 7.2757 | 45.3943 | 34.022 | 0.3021 | 71.9879 | 34.3239 | 0.604 | 74.356 |
| 7/5/2025 | 10:00:00 AM | 33.7231 | 40.9895 | 7.2664 | 45.4036 | 34.0209 | 0.2978 | 71.9922 | 34.3224 | 0.5993 | 74.3607 |
| 7/5/2025 | 11:00:00 AM | 33.7225 | 40.9824 | 7.2599 | 45.4101 | 34.0192 | 0.2967 | 71.9933 | 34.3223 | 0.5998 | 74.3602 |
| 7/5/2025 | 12:00:00 PM | 33.7248 | 40.98 | 7.2552 | 45.4148 | 34.0188 | 0.294 | 71.996 | 34.3225 | 0.5977 | 74.3623 |
| 7/5/2025 | 1:00:00 PM | 33.7215 | 40.97 | 7.2485 | 45.4215 | 34.0105 | 0.289 | 72.001 | 34.3215 | 0.6 | 74.36 |
| 7/5/2025 | 2:00:00 PM | 33.7175 | 40.962 | 7.2445 | 45.4255 | 34.0031 | 0.2856 | 72.0044 | 34.3202 | 0.6027 | 74.3573 |
| 7/5/2025 | 3:00:00 PM | 33.723 | 40.9643 | 7.2413 | 45.4287 | 34.0083 | 0.2853 | 72.0047 | 34.3217 | 0.5987 | 74.3613 |
| 7/5/2025 | 4:00:00 PM | 33.7202 | 40.9576 | 7.2374 | 45.4326 | 34.0009 | 0.2807 | 72.0093 | 34.3214 | 0.6012 | 74.3588 |
| 7/5/2025 | 5:00:00 PM | 33.7161 | 40.9511 | 7.235 | 45.435 | 33.9971 | 0.281 | 72.009 | 34.32 | 0.6039 | 74.3561 |
| 7/5/2025 | 6:00:00 PM | 33.7108 | 40.9447 | 7.2339 | 45.4361 | 33.9866 | 0.2758 | 72.0142 | 34.3213 | 0.6105 | 74.3495 |
| 7/5/2025 | 7:00:00 PM | 33.7129 | 40.9439 | 7.231 | 45.439 | 33.9877 | 0.2748 | 72.0152 | 34.3213 | 0.6084 | 74.3516 |
| 7/5/2025 | 8:00:00 PM | 33.7111 | 40.9408 | 7.2297 | 45.4403 | 33.9819 | 0.2708 | 72.0192 | 34.3208 | 0.6097 | 74.3503 |
| 7/5/2025 | 9:00:00 PM | 33.7081 | 40.9393 | 7.2312 | 45.4388 | 33.9813 | 0.2732 | 72.0168 | 34.3211 | 0.613 | 74.347 |
| 7/5/2025 | 10:00:00 PM | 33.7205 | 40.9477 | 7.2272 | 45.4428 | 33.9937 | 0.2732 | 72.0168 | 34.3229 | 0.6024 | 74.3576 |
| 7/5/2025 | 11:00:00 PM | 33.7171 | 40.9447 | 7.2276 | 45.4424 | 33.9879 | 0.2708 | 72.0192 | 34.3225 | 0.6054 | 74.3546 |
| 7/6/2025 | 12:00:00 AM | 33.7067 | 40.9365 | 7.2298 | 45.4402 | 33.9776 | 0.2709 | 72.0191 | 34.3201 | 0.6134 | 74.3466 |
| 7/6/2025 | 1:00:00 AM | 33.7032 | 40.9328 | 7.2296 | 45.4404 | 33.9716 | 0.2684 | 72.0216 | 34.3199 | 0.6167 | 74.3433 |
| 7/6/2025 | 2:00:00 AM | 33.6995 | 40.9309 | 7.2314 | 45.4386 | 33.9686 | 0.2691 | 72.0209 | 34.3196 | 0.6201 | 74.3399 |
| 7/6/2025 | 3:00:00 AM | 33.6927 | 40.9232 | 7.2305 | 45.4395 | 33.9599 | 0.2672 | 72.0228 | 34.3186 | 0.6259 | 74.3341 |
| 7/6/2025 | 4:00:00 AM | 33.6903 | 40.9236 | 7.2333 | 45.4367 | 33.9577 | 0.2674 | 72.0226 | 34.3192 | 0.6289 | 74.3311 |
| 7/6/2025 | 5:00:00 AM | 33.6942 | 40.9264 | 7.2322 | 45.4378 | 33.9619 | 0.2677 | 72.0223 | 34.3188 | 0.6246 | 74.3354 |
| 7/6/2025 | 6:00:00 AM | 33.6953 | 40.9267 | 7.2314 | 45.4386 | 33.9617 | 0.2664 | 72.0236 | 34.3196 | 0.6243 | 74.3357 |
| 7/6/2025 | 7:00:00 AM | 33.6953 | 40.9259 | 7.2306 | 45.4394 | 33.9603 | 0.265 | 72.025 | 34.3192 | 0.6239 | 74.3361 |
| 7/6/2025 | 8:00:00 AM | 33.688 | 40.9185 | 7.2305 | 45.4395 | 33.9521 | 0.2641 | 72.0259 | 34.3174 | 0.6294 | 74.3306 |
| 7/6/2025 | 9:00:00 AM | 33.6863 | 40.9168 | 7.2305 | 45.4395 | 33.9502 | 0.2639 | 72.0261 | 34.3174 | 0.6311 | 74.3289 |
| 7/6/2025 | 10:00:00 AM | 33.6697 | 40.9002 | 7.2305 | 45.4395 | 33.9315 | 0.2618 | 72.0282 | 34.3143 | 0.6446 | 74.3154 |
| 7/6/2025 | 11:00:00 AM | 33.6516 | 40.8856 | 7.234 | 45.436 | 33.9188 | 0.2672 | 72.0228 | 34.3129 | 0.6613 | 74.2987 |
| 7/6/2025 | 12:00:00 PM | 33.6372 | 40.8744 | 7.2372 | 45.4328 | 33.9076 | 0.2704 | 72.0196 | 34.3118 | 0.6746 | 74.2854 |
| 7/6/2025 | 1:00:00 PM | 33.6181 | 40.8602 | 7.2421 | 45.4279 | 33.8921 | 0.274 | 72.016 | 34.3096 | 0.6915 | 74.2685 |
| 7/6/2025 | 2:00:00 PM | 33.599 | 40.8475 | 7.2485 | 45.4215 | 33.8787 | 0.2797 | 72.0103 | 34.3081 | 0.7091 | 74.2509 |
| 7/6/2025 | 3:00:00 PM | 33.5929 | 40.8448 | 7.2519 | 45.4181 | 33.8688 | 0.2759 | 72.0141 | 34.3081 | 0.7152 | 74.2448 |
| 7/6/2025 | 4:00:00 PM | 33.5802 | 40.8381 | 7.2579 | 45.4121 | 33.8581 | 0.2779 | 72.0121 | 34.3088 | 0.7286 | 74.2314 |
| 7/6/2025 | 5:00:00 PM | 33.5642 | 40.8283 | 7.2641 | 45.4059 | 33.8434 | 0.2792 | 72.0108 | 34.308 | 0.7438 | 74.2162 |
| 7/6/2025 | 6:00:00 PM | 33.5533 | 40.824 | 7.2707 | 45.3993 | 33.8328 | 0.2795 | 72.0105 | 34.3082 | 0.7549 | 74.2051 |
| 7/6/2025 | 7:00:00 PM | 33.547 | 40.8248 | 7.2778 | 45.3922 | 33.8269 | 0.2799 | 72.0101 | 34.3089 | 0.7619 | 74.1981 |
| 7/6/2025 | 8:00:00 PM | 33.5518 | 40.8337 | 7.2819 | 45.3881 | 33.8269 | 0.2751 | 72.0149 | 34.3117 | 0.7599 | 74.2001 |
| 7/6/2025 | 9:00:00 PM | 33.5531 | 40.839 | 7.2859 | 45.3841 | 33.824 | 0.2709 | 72.0191 | 34.3125 | 0.7594 | 74.2006 |
| 7/6/2025 | 10:00:00 PM | 33.5557 | 40.8464 | 7.2907 | 45.3793 | 33.8246 | 0.2689 | 72.0211 | 34.3127 | 0.757 | 74.203 |
| 7/6/2025 | 11:00:00 PM | 33.549 | 40.8432 | 7.2942 | 45.3758 | 33.8198 | 0.2708 | 72.0192 | 34.3127 | 0.7637 | 74.1963 |
| 7/7/2025 | 12:00:00 AM | 33.5385 | 40.8394 | 7.3009 | 45.3691 | 33.812 | 0.2735 | 72.0165 | 34.3109 | 0.7724 | 74.1876 |
| 7/7/2025 | 1:00:00 AM | 33.5331 | 40.8384 | 7.3053 | 45.3647 | 33.8058 | 0.2727 | 72.0173 | 34.3117 | 0.7786 | 74.1814 |
| 7/7/2025 | 2:00:00 AM | 33.5228 | 40.8336 | 7.3108 | 45.3592 | 33.7978 | 0.275 | 72.015 | 34.3098 | 0.787 | 74.173 |
| 7/7/2025 | 3:00:00 AM | 33.5111 | 40.8294 | 7.3183 | 45.3517 | 33.7912 | 0.2801 | 72.0099 | 34.3099 | 0.7988 | 74.1612 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/7/2025 | 4:00:00 AM | 33.5029 | 40.8267 | 7.3238 | 45.3462 | 33.7848 | 0.2819 | 72.0081 | 34.309 | 0.8061 | 74.1539 |
| 7/7/2025 | 5:00:00 AM | 33.5024 | 40.831 | 7.3286 | 45.3414 | 33.7825 | 0.2801 | 72.0099 | 34.3103 | 0.8079 | 74.1521 |
| 7/7/2025 | 6:00:00 AM | 33.4995 | 40.8304 | 7.3309 | 45.3391 | 33.7794 | 0.2799 | 72.0101 | 34.3096 | 0.8101 | 74.1499 |
| 7/7/2025 | 7:00:00 AM | 33.5015 | 40.8363 | 7.3348 | 45.3352 | 33.7801 | 0.2786 | 72.0114 | 34.3105 | 0.809 | 74.151 |
| 7/7/2025 | 8:00:00 AM | 33.4937 | 40.8317 | 7.338 | 45.332 | 33.775 | 0.2813 | 72.0087 | 34.3098 | 0.8161 | 74.1439 |
| 7/7/2025 | 9:00:00 AM | 33.4958 | 40.8348 | 7.339 | 45.331 | 33.7722 | 0.2764 | 72.0136 | 34.3096 | 0.8138 | 74.1462 |
| 7/7/2025 | 10:00:00 AM | 33.475 | 40.8174 | 7.3424 | 45.3276 | 33.7595 | 0.2845 | 72.0055 | 34.3072 | 0.8322 | 74.1278 |
| 7/7/2025 | 11:00:00 AM | 33.4613 | 40.8095 | 7.3482 | 45.3218 | 33.7481 | 0.2868 | 72.0032 | 34.3053 | 0.844 | 74.116 |
| 7/7/2025 | 12:00:00 PM | 33.4534 | 40.8059 | 7.3525 | 45.3175 | 33.7415 | 0.2881 | 72.0019 | 34.3067 | 0.8533 | 74.1067 |
| 7/7/2025 | 1:00:00 PM | 33.4378 | 40.7965 | 7.3587 | 45.3113 | 33.7304 | 0.2926 | 71.9974 | 34.3054 | 0.8676 | 74.0924 |
| 7/7/2025 | 2:00:00 PM | 33.4296 | 40.7918 | 7.3622 | 45.3078 | 33.7213 | 0.2917 | 71.9983 | 34.3054 | 0.8758 | 74.0842 |
| 7/7/2025 | 3:00:00 PM | 33.4189 | 40.788 | 7.3691 | 45.3009 | 33.7136 | 0.2947 | 71.9953 | 34.305 | 0.8861 | 74.0739 |
| 7/7/2025 | 4:00:00 PM | 33.4083 | 40.7832 | 7.3749 | 45.2951 | 33.7017 | 0.2934 | 71.9966 | 34.304 | 0.8957 | 74.0643 |
| 7/7/2025 | 5:00:00 PM | 33.3948 | 40.7763 | 7.3815 | 45.2885 | 33.6901 | 0.2953 | 71.9947 | 34.3032 | 0.9084 | 74.0516 |
| 7/7/2025 | 6:00:00 PM | 33.3833 | 40.7711 | 7.3878 | 45.2822 | 33.6805 | 0.2972 | 71.9928 | 34.3023 | 0.919 | 74.041 |
| 7/7/2025 | 7:00:00 PM | 33.383 | 40.776 | 7.393 | 45.277 | 33.68 | 0.297 | 71.993 | 34.3026 | 0.9196 | 74.0404 |
| 7/7/2025 | 8:00:00 PM | 33.3881 | 40.7839 | 7.3958 | 45.2742 | 33.681 | 0.2929 | 71.9971 | 34.3048 | 0.9167 | 74.0433 |
| 7/7/2025 | 9:00:00 PM | 33.3931 | 40.7915 | 7.3984 | 45.2716 | 33.6815 | 0.2884 | 72.0016 | 34.3061 | 0.913 | 74.047 |
| 7/7/2025 | 10:00:00 PM | 33.4082 | 40.8059 | 7.3977 | 45.2723 | 33.6909 | 0.2827 | 72.0073 | 34.3075 | 0.8993 | 74.0607 |
| 7/7/2025 | 11:00:00 PM | 33.4128 | 40.8117 | 7.3989 | 45.2711 | 33.6944 | 0.2816 | 72.0084 | 34.3079 | 0.8951 | 74.0649 |
| 7/8/2025 | 12:00:00 AM | 33.4212 | 40.8212 | 7.4 | 45.27 | 33.6998 | 0.2786 | 72.0114 | 34.3101 | 0.8889 | 74.0711 |
| 7/8/2025 | 1:00:00 AM | 33.4242 | 40.8231 | 7.3989 | 45.2711 | 33.7015 | 0.2773 | 72.0127 | 34.31 | 0.8858 | 74.0742 |
| 7/8/2025 | 2:00:00 AM | 33.4335 | 40.8304 | 7.3969 | 45.2731 | 33.7072 | 0.2737 | 72.0163 | 34.3116 | 0.8781 | 74.0819 |
| 7/8/2025 | 3:00:00 AM | 33.4267 | 40.8253 | 7.3986 | 45.2714 | 33.7047 | 0.278 | 72.012 | 34.3098 | 0.8831 | 74.0769 |
| 7/8/2025 | 4:00:00 AM | 33.4313 | 40.829 | 7.3977 | 45.2723 | 33.7072 | 0.2759 | 72.0141 | 34.3108 | 0.8795 | 74.0805 |
| 7/8/2025 | 5:00:00 AM | 33.4386 | 40.8357 | 7.3971 | 45.2729 | 33.7126 | 0.274 | 72.016 | 34.3114 | 0.8728 | 74.0872 |
| 7/8/2025 | 6:00:00 AM | 33.4465 | 40.8405 | 7.394 | 45.276 | 33.7223 | 0.2758 | 72.0142 | 34.3127 | 0.8662 | 74.0938 |
| 7/8/2025 | 7:00:00 AM | 33.4446 | 40.8356 | 7.391 | 45.279 | 33.7205 | 0.2759 | 72.0141 | 34.3118 | 0.8672 | 74.0928 |
| 7/8/2025 | 8:00:00 AM | 33.4485 | 40.8372 | 7.3887 | 45.2813 | 33.7279 | 0.2794 | 72.0106 | 34.3121 | 0.8636 | 74.0964 |
| 7/8/2025 | 9:00:00 AM | 33.4598 | 40.8428 | 7.383 | 45.287 | 33.7383 | 0.2785 | 72.0115 | 34.3133 | 0.8535 | 74.1065 |
| 7/8/2025 | 10:00:00 AM | 33.4608 | 40.8405 | 7.3797 | 45.2903 | 33.7404 | 0.2796 | 72.0104 | 34.3118 | 0.851 | 74.109 |
| 7/8/2025 | 11:00:00 AM | 33.4649 | 40.8408 | 7.3759 | 45.2941 | 33.7445 | 0.2796 | 72.0104 | 34.3128 | 0.8479 | 74.1121 |
| 7/8/2025 | 12:00:00 PM | 33.4661 | 40.8371 | 7.371 | 45.299 | 33.7453 | 0.2792 | 72.0108 | 34.3115 | 0.8454 | 74.1146 |
| 7/8/2025 | 1:00:00 PM | 33.4662 | 40.8347 | 7.3685 | 45.3015 | 33.7437 | 0.2775 | 72.0125 | 34.3102 | 0.844 | 74.116 |
| 7/8/2025 | 2:00:00 PM | 33.4613 | 40.8277 | 7.3664 | 45.3036 | 33.7387 | 0.2774 | 72.0126 | 34.3097 | 0.8484 | 74.1116 |
| 7/8/2025 | 3:00:00 PM | 33.4555 | 40.8201 | 7.3646 | 45.3054 | 33.735 | 0.2795 | 72.0105 | 34.3092 | 0.8537 | 74.1063 |
| 7/8/2025 | 4:00:00 PM | 33.4654 | 40.826 | 7.3606 | 45.3094 | 33.7403 | 0.2749 | 72.0151 | 34.3109 | 0.8455 | 74.1145 |
| 7/8/2025 | 5:00:00 PM | 33.4574 | 40.8155 | 7.3581 | 45.3119 | 33.7347 | 0.2773 | 72.0127 | 34.3089 | 0.8515 | 74.1085 |
| 7/8/2025 | 6:00:00 PM | 33.4544 | 40.8134 | 7.359 | 45.311 | 33.7326 | 0.2782 | 72.0118 | 34.3091 | 0.8547 | 74.1053 |
| 7/8/2025 | 7:00:00 PM | 33.475 | 40.8296 | 7.3546 | 45.3154 | 33.7492 | 0.2742 | 72.0158 | 34.3128 | 0.8378 | 74.1222 |
| 7/8/2025 | 8:00:00 PM | 33.4819 | 40.833 | 7.3511 | 45.3189 | 33.7579 | 0.276 | 72.014 | 34.3129 | 0.831 | 74.129 |
| 7/8/2025 | 9:00:00 PM | 33.4813 | 40.83 | 7.3487 | 45.3213 | 33.7575 | 0.2762 | 72.0138 | 34.3118 | 0.8305 | 74.1295 |
| 7/8/2025 | 10:00:00 PM | 33.4983 | 40.8423 | 7.344 | 45.326 | 33.7752 | 0.2769 | 72.0131 | 34.3146 | 0.8163 | 74.1437 |
| 7/8/2025 | 11:00:00 PM | 33.5103 | 40.8494 | 7.3391 | 45.3309 | 33.7874 | 0.2771 | 72.0129 | 34.3158 | 0.8055 | 74.1545 |
| 7/9/2025 | 12:00:00 AM | 33.5079 | 40.8435 | 7.3356 | 45.3344 | 33.7862 | 0.2783 | 72.0117 | 34.3137 | 0.8058 | 74.1542 |
| 7/9/2025 | 1:00:00 AM | 33.5183 | 40.8479 | 7.3296 | 45.3404 | 33.7958 | 0.2775 | 72.0125 | 34.3157 | 0.7974 | 74.1626 |
| 7/9/2025 | 2:00:00 AM | 33.5223 | 40.8507 | 7.3284 | 45.3416 | 33.8018 | 0.2795 | 72.0105 | 34.3167 | 0.7944 | 74.1656 |
| 7/9/2025 | 3:00:00 AM | 33.519 | 40.844 | 7.325 | 45.345 | 33.7999 | 0.2809 | 72.0091 | 34.3146 | 0.7956 | 74.1644 |
| 7/9/2025 | 4:00:00 AM | 33.5215 | 40.8423 | 7.3208 | 45.3492 | 33.8042 | 0.2827 | 72.0073 | 34.3159 | 0.7944 | 74.1656 |
| 7/9/2025 | 5:00:00 AM | 33.5292 | 40.8458 | 7.3166 | 45.3534 | 33.8085 | 0.2793 | 72.0107 | 34.3163 | 0.7871 | 74.1729 |
| 7/9/2025 | 6:00:00 AM | 33.5391 | 40.8522 | 7.3131 | 45.3569 | 33.8192 | 0.2801 | 72.0099 | 34.3181 | 0.779 | 74.181 |
| 7/9/2025 | 7:00:00 AM | 33.5468 | 40.8534 | 7.3066 | 45.3634 | 33.8273 | 0.2805 | 72.0095 | 34.3176 | 0.7708 | 74.1892 |
| 7/9/2025 | 8:00:00 AM | 33.56 | 40.8606 | 7.3006 | 45.3694 | 33.8398 | 0.2798 | 72.0102 | 34.3201 | 0.7601 | 74.1999 |
| 7/9/2025 | 9:00:00 AM | 33.568 | 40.8626 | 7.2946 | 45.3754 | 33.8483 | 0.2803 | 72.0097 | 34.3185 | 0.7505 | 74.2095 |
| 7/9/2025 | 10:00:00 AM | 33.5846 | 40.8701 | 7.2855 | 45.3845 | 33.8654 | 0.2808 | 72.0092 | 34.3201 | 0.7355 | 74.2245 |
| 7/9/2025 | 11:00:00 AM | 33.5944 | 40.8733 | 7.2789 | 45.3911 | 33.8747 | 0.2803 | 72.0097 | 34.3201 | 0.7257 | 74.2343 |
| 7/9/2025 | 12:00:00 PM | 33.6115 | 40.8812 | 7.2697 | 45.4003 | 33.8888 | 0.2773 | 72.0127 | 34.3218 | 0.7103 | 74.2497 |
| 7/9/2025 | 1:00:00 PM | 33.6111 | 40.875 | 7.2639 | 45.4061 | 33.8895 | 0.2784 | 72.0116 | 34.3216 | 0.7105 | 74.2495 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/9/2025 | 2:00:00 PM | 33.624 | 40.8816 | 7.2576 | 45.4124 | 33.9008 | 0.2768 | 72.0132 | 34.3228 | 0.6988 | 74.2612 |
| 7/9/2025 | 3:00:00 PM | 33.6228 | 40.8759 | 7.2531 | 45.4169 | 33.8971 | 0.2743 | 72.0157 | 34.322 | 0.6992 | 74.2608 |
| 7/9/2025 | 4:00:00 PM | 33.624 | 40.8732 | 7.2492 | 45.4208 | 33.8992 | 0.2752 | 72.0148 | 34.3237 | 0.6997 | 74.2603 |
| 7/9/2025 | 5:00:00 PM | 33.6218 | 40.8673 | 7.2455 | 45.4245 | 33.8945 | 0.2727 | 72.0173 | 34.3222 | 0.7004 | 74.2596 |
| 7/9/2025 | 6:00:00 PM | 33.6203 | 40.864 | 7.2437 | 45.4263 | 33.8945 | 0.2742 | 72.0158 | 34.3232 | 0.7029 | 74.2571 |
| 7/9/2025 | 7:00:00 PM | 33.6195 | 40.8617 | 7.2422 | 45.4278 | 33.8921 | 0.2726 | 72.0174 | 34.3237 | 0.7042 | 74.2558 |
| 7/9/2025 | 8:00:00 PM | 33.6306 | 40.867 | 7.2364 | 45.4336 | 33.9034 | 0.2728 | 72.0172 | 34.3239 | 0.6933 | 74.2667 |
| 7/9/2025 | 9:00:00 PM | 33.6338 | 40.8672 | 7.2334 | 45.4366 | 33.9065 | 0.2727 | 72.0173 | 34.3241 | 0.6903 | 74.2697 |
| 7/9/2025 | 10:00:00 PM | 33.6552 | 40.8809 | 7.2257 | 45.4443 | 33.9264 | 0.2712 | 72.0188 | 34.3271 | 0.6719 | 74.2881 |
| 7/9/2025 | 11:00:00 PM | 33.6628 | 40.8812 | 7.2184 | 45.4516 | 33.933 | 0.2702 | 72.0198 | 34.3278 | 0.665 | 74.295 |
| 7/10/2025 | 12:00:00 AM | 33.6578 | 40.8738 | 7.216 | 45.454 | 33.9291 | 0.2713 | 72.0187 | 34.3249 | 0.6671 | 74.2929 |
| 7/10/2025 | 1:00:00 AM | 33.6576 | 40.8703 | 7.2127 | 45.4573 | 33.9285 | 0.2709 | 72.0191 | 34.3243 | 0.6667 | 74.2933 |
| 7/10/2025 | 2:00:00 AM | 33.6699 | 40.877 | 7.2071 | 45.4629 | 33.9388 | 0.2689 | 72.0211 | 34.3262 | 0.6563 | 74.3037 |
| 7/10/2025 | 3:00:00 AM | 33.6681 | 40.8712 | 7.2031 | 45.4669 | 33.9368 | 0.2687 | 72.0213 | 34.3249 | 0.6568 | 74.3032 |
| 7/10/2025 | 4:00:00 AM | 33.6706 | 40.8716 | 7.201 | 45.469 | 33.9401 | 0.2695 | 72.0205 | 34.3247 | 0.6541 | 74.3059 |
| 7/10/2025 | 5:00:00 AM | 33.6793 | 40.8753 | 7.196 | 45.474 | 33.9449 | 0.2656 | 72.0244 | 34.327 | 0.6477 | 74.3123 |
| 7/10/2025 | 6:00:00 AM | 33.6855 | 40.8764 | 7.1909 | 45.4791 | 33.9524 | 0.2669 | 72.0231 | 34.3271 | 0.6416 | 74.3184 |
| 7/10/2025 | 7:00:00 AM | 33.6981 | 40.8834 | 7.1853 | 45.4847 | 33.9641 | 0.266 | 72.024 | 34.3294 | 0.6313 | 74.3287 |
| 7/10/2025 | 8:00:00 AM | 33.7149 | 40.8913 | 7.1764 | 45.4936 | 33.9795 | 0.2646 | 72.0254 | 34.3302 | 0.6153 | 74.3447 |
| 7/10/2025 | 9:00:00 AM | 33.7295 | 40.8986 | 7.1691 | 45.5009 | 33.9923 | 0.2628 | 72.0272 | 34.3311 | 0.6016 | 74.3584 |
| 7/10/2025 | 10:00:00 AM | 33.7347 | 40.8979 | 7.1632 | 45.5068 | 33.9976 | 0.2629 | 72.0271 | 34.3315 | 0.5968 | 74.3632 |
| 7/10/2025 | 11:00:00 AM | 33.7389 | 40.8945 | 7.1556 | 45.5144 | 33.9973 | 0.2584 | 72.0316 | 34.3313 | 0.5924 | 74.3676 |
| 7/10/2025 | 12:00:00 PM | 33.7428 | 40.8929 | 7.1501 | 45.5199 | 33.9984 | 0.2556 | 72.0344 | 34.3314 | 0.5886 | 74.3714 |
| 7/10/2025 | 1:00:00 PM | 33.7366 | 40.8813 | 7.1447 | 45.5253 | 33.9902 | 0.2536 | 72.0364 | 34.3304 | 0.5938 | 74.3662 |
| 7/10/2025 | 2:00:00 PM | 33.7346 | 40.8771 | 7.1425 | 45.5275 | 33.9885 | 0.2539 | 72.0361 | 34.3306 | 0.596 | 74.364 |
| 7/10/2025 | 3:00:00 PM | 33.7282 | 40.8674 | 7.1392 | 45.5308 | 33.9771 | 0.2489 | 72.0411 | 34.3292 | 0.601 | 74.359 |
| 7/10/2025 | 4:00:00 PM | 33.7216 | 40.8601 | 7.1385 | 45.5315 | 33.9688 | 0.2472 | 72.0428 | 34.3297 | 0.6081 | 74.3519 |
| 7/10/2025 | 5:00:00 PM | 33.7037 | 40.8451 | 7.1414 | 45.5286 | 33.9467 | 0.243 | 72.047 | 34.3276 | 0.6239 | 74.3361 |
| 7/10/2025 | 6:00:00 PM | 33.6907 | 40.8349 | 7.1442 | 45.5258 | 33.9356 | 0.2449 | 72.0451 | 34.3271 | 0.6364 | 74.3236 |
| 7/10/2025 | 7:00:00 PM | 33.6828 | 40.8292 | 7.1464 | 45.5236 | 33.9256 | 0.2428 | 72.0472 | 34.3274 | 0.6446 | 74.3154 |
| 7/10/2025 | 8:00:00 PM | 33.6809 | 40.8289 | 7.148 | 45.522 | 33.919 | 0.2381 | 72.0519 | 34.3285 | 0.6476 | 74.3124 |
| 7/10/2025 | 9:00:00 PM | 33.6758 | 40.8276 | 7.1518 | 45.5182 | 33.9161 | 0.2403 | 72.0497 | 34.3292 | 0.6534 | 74.3066 |
| 7/10/2025 | 10:00:00 PM | 33.693 | 40.8432 | 7.1502 | 45.5198 | 33.9326 | 0.2396 | 72.0504 | 34.3326 | 0.6396 | 74.3204 |
| 7/10/2025 | 11:00:00 PM | 33.6995 | 40.8492 | 7.1497 | 45.5203 | 33.9353 | 0.2358 | 72.0542 | 34.3344 | 0.6349 | 74.3251 |
| 7/11/2025 | 12:00:00 AM | 33.6898 | 40.8416 | 7.1518 | 45.5182 | 33.928 | 0.2382 | 72.0518 | 34.3323 | 0.6425 | 74.3175 |
| 7/11/2025 | 1:00:00 AM | 33.6918 | 40.846 | 7.1542 | 45.5158 | 33.9279 | 0.2361 | 72.0539 | 34.3335 | 0.6417 | 74.3183 |
| 7/11/2025 | 2:00:00 AM | 33.6921 | 40.8449 | 7.1528 | 45.5172 | 33.9265 | 0.2344 | 72.0556 | 34.3329 | 0.6408 | 74.3192 |
| 7/11/2025 | 3:00:00 AM | 33.689 | 40.8446 | 7.1556 | 45.5144 | 33.9253 | 0.2363 | 72.0537 | 34.3338 | 0.6448 | 74.3152 |
| 7/11/2025 | 4:00:00 AM | 33.6883 | 40.8451 | 7.1568 | 45.5132 | 33.922 | 0.2337 | 72.0563 | 34.3326 | 0.6443 | 74.3157 |
| 7/11/2025 | 5:00:00 AM | 33.6798 | 40.8387 | 7.1589 | 45.5111 | 33.9146 | 0.2348 | 72.0552 | 34.3321 | 0.6523 | 74.3077 |
| 7/11/2025 | 6:00:00 AM | 33.6845 | 40.8438 | 7.1593 | 45.5107 | 33.9179 | 0.2334 | 72.0566 | 34.3346 | 0.6501 | 74.3099 |
| 7/11/2025 | 7:00:00 AM | 33.6851 | 40.844 | 7.1589 | 45.5111 | 33.9205 | 0.2354 | 72.0546 | 34.3345 | 0.6494 | 74.3106 |
| 7/11/2025 | 8:00:00 AM | 33.6893 | 40.8459 | 7.1566 | 45.5134 | 33.9207 | 0.2314 | 72.0586 | 34.3339 | 0.6446 | 74.3154 |
| 7/11/2025 | 9:00:00 AM | 33.6881 | 40.8449 | 7.1568 | 45.5132 | 33.9182 | 0.2301 | 72.0599 | 34.3334 | 0.6453 | 74.3147 |
| 7/11/2025 | 10:00:00 AM | 33.6725 | 40.8307 | 7.1582 | 45.5118 | 33.9034 | 0.2309 | 72.0591 | 34.3306 | 0.6581 | 74.3019 |
| 7/11/2025 | 11:00:00 AM | 33.678 | 40.8328 | 7.1548 | 45.5152 | 33.9075 | 0.2295 | 72.0605 | 34.3321 | 0.6541 | 74.3059 |
| 7/11/2025 | 12:00:00 PM | 33.6645 | 40.8215 | 7.157 | 45.513 | 33.8921 | 0.2276 | 72.0624 | 34.3309 | 0.6664 | 74.2936 |
| 7/11/2025 | 1:00:00 PM | 33.6507 | 40.8089 | 7.1582 | 45.5118 | 33.8741 | 0.2234 | 72.0666 | 34.3283 | 0.6776 | 74.2824 |
| 7/11/2025 | 2:00:00 PM | 33.6396 | 40.8024 | 7.1628 | 45.5072 | 33.8632 | 0.2236 | 72.0664 | 34.327 | 0.6874 | 74.2726 |
| 7/11/2025 | 3:00:00 PM | 33.6319 | 40.7971 | 7.1652 | 45.5048 | 33.8539 | 0.222 | 72.068 | 34.3288 | 0.6969 | 74.2631 |
| 7/11/2025 | 4:00:00 PM | 33.6268 | 40.7935 | 7.1667 | 45.5033 | 33.8423 | 0.2155 | 72.0745 | 34.3297 | 0.7029 | 74.2571 |
| 7/11/2025 | 5:00:00 PM | 33.6009 | 40.7778 | 7.1769 | 45.4931 | 33.8191 | 0.2182 | 72.0718 | 34.3265 | 0.7256 | 74.2344 |
| 7/11/2025 | 6:00:00 PM | 33.6001 | 40.7798 | 7.1797 | 45.4903 | 33.8184 | 0.2183 | 72.0717 | 34.3291 | 0.729 | 74.231 |
| 7/11/2025 | 7:00:00 PM | 33.6028 | 40.7878 | 7.185 | 45.485 | 33.8218 | 0.219 | 72.071 | 34.3315 | 0.7287 | 74.2313 |
| 7/11/2025 | 8:00:00 PM | 33.6121 | 40.7981 | 7.186 | 45.484 | 33.8266 | 0.2145 | 72.0755 | 34.3337 | 0.7216 | 74.2384 |
| 7/11/2025 | 9:00:00 PM | 33.6092 | 40.7975 | 7.1883 | 45.4817 | 33.8254 | 0.2162 | 72.0738 | 34.3335 | 0.7243 | 74.2357 |
| 7/11/2025 | 10:00:00 PM | 33.6221 | 40.813 | 7.1909 | 45.4791 | 33.8415 | 0.2194 | 72.0706 | 34.3376 | 0.7155 | 74.2445 |
| 7/11/2025 | 11:00:00 PM | 33.6187 | 40.8117 | 7.193 | 45.477 | 33.8348 | 0.2161 | 72.0739 | 34.3367 | 0.718 | 74.242 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/12/2025 | 12:00:00 AM | 33.6137 | 40.8095 | 7.1958 | 45.4742 | 33.8305 | 0.2168 | 72.0732 | 34.3358 | 0.7221 | 74.2379 |
| 7/12/2025 | 1:00:00 AM | 33.6078 | 40.8074 | 7.1996 | 45.4704 | 33.825 | 0.2172 | 72.0728 | 34.3364 | 0.7286 | 74.2314 |
| 7/12/2025 | 2:00:00 AM | 33.5955 | 40.7989 | 7.2034 | 45.4666 | 33.8126 | 0.2171 | 72.0729 | 34.3353 | 0.7398 | 74.2202 |
| 7/12/2025 | 3:00:00 AM | 33.5937 | 40.8001 | 7.2064 | 45.4636 | 33.8125 | 0.2188 | 72.0712 | 34.3351 | 0.7414 | 74.2186 |
| 7/12/2025 | 4:00:00 AM | 33.5964 | 40.8066 | 7.2102 | 45.4598 | 33.8184 | 0.222 | 72.068 | 34.3368 | 0.7404 | 74.2196 |
| 7/12/2025 | 5:00:00 AM | 33.5939 | 40.8061 | 7.2122 | 45.4578 | 33.8138 | 0.2199 | 72.0701 | 34.3367 | 0.7428 | 74.2172 |
| 7/12/2025 | 6:00:00 AM | 33.594 | 40.8099 | 7.2159 | 45.4541 | 33.8159 | 0.2219 | 72.0681 | 34.3368 | 0.7428 | 74.2172 |
| 7/12/2025 | 7:00:00 AM | 33.6063 | 40.819 | 7.2127 | 45.4573 | 33.8269 | 0.2206 | 72.0694 | 34.3405 | 0.7342 | 74.2258 |
| 7/12/2025 | 8:00:00 AM | 33.6101 | 40.8234 | 7.2133 | 45.4567 | 33.8311 | 0.221 | 72.069 | 34.3402 | 0.7301 | 74.2299 |
| 7/12/2025 | 9:00:00 AM | 33.6087 | 40.8205 | 7.2118 | 45.4582 | 33.8279 | 0.2192 | 72.0708 | 34.3405 | 0.7318 | 74.2282 |
| 7/12/2025 | 10:00:00 AM | 33.5968 | 40.8114 | 7.2146 | 45.4554 | 33.8164 | 0.2196 | 72.0704 | 34.3374 | 0.7406 | 74.2194 |
| 7/12/2025 | 11:00:00 AM | 33.595 | 40.8085 | 7.2135 | 45.4565 | 33.8137 | 0.2187 | 72.0713 | 34.3387 | 0.7437 | 74.2163 |
| 7/12/2025 | 12:00:00 PM | 33.5942 | 40.8086 | 7.2144 | 45.4556 | 33.8135 | 0.2193 | 72.0707 | 34.339 | 0.7448 | 74.2152 |
| 7/12/2025 | 1:00:00 PM | 33.5874 | 40.8024 | 7.215 | 45.455 | 33.8035 | 0.2161 | 72.0739 | 34.3384 | 0.751 | 74.209 |
| 7/12/2025 | 2:00:00 PM | 33.58 | 40.7973 | 7.2173 | 45.4527 | 33.7967 | 0.2167 | 72.0733 | 34.3382 | 0.7582 | 74.2018 |
| 7/12/2025 | 3:00:00 PM | 33.5752 | 40.7959 | 7.2207 | 45.4493 | 33.7939 | 0.2187 | 72.0713 | 34.3386 | 0.7634 | 74.1966 |
| 7/12/2025 | 4:00:00 PM | 33.5728 | 40.795 | 7.2222 | 45.4478 | 33.7919 | 0.2191 | 72.0709 | 34.3382 | 0.7654 | 74.1946 |
| 7/12/2025 | 5:00:00 PM | 33.5592 | 40.7831 | 7.2239 | 45.4461 | 33.774 | 0.2148 | 72.0752 | 34.3382 | 0.779 | 74.181 |
| 7/12/2025 | 6:00:00 PM | 33.5528 | 40.7832 | 7.2304 | 45.4396 | 33.7676 | 0.2148 | 72.0752 | 34.3386 | 0.7858 | 74.1742 |
| 7/12/2025 | 7:00:00 PM | 33.5504 | 40.7839 | 7.2335 | 45.4365 | 33.7691 | 0.2187 | 72.0713 | 34.3407 | 0.7903 | 74.1697 |
| 7/12/2025 | 8:00:00 PM | 33.5604 | 40.7963 | 7.2359 | 45.4341 | 33.7783 | 0.2179 | 72.0721 | 34.3436 | 0.7832 | 74.1768 |
| 7/12/2025 | 9:00:00 PM | 33.567 | 40.8028 | 7.2358 | 45.4342 | 33.7852 | 0.2182 | 72.0718 | 34.3445 | 0.7775 | 74.1825 |
| 7/12/2025 | 10:00:00 PM | 33.5901 | 40.8262 | 7.2361 | 45.4339 | 33.8113 | 0.2212 | 72.0688 | 34.35 | 0.7599 | 74.2001 |
| 7/12/2025 | 11:00:00 PM | 33.6008 | 40.8349 | 7.2341 | 45.4359 | 33.8176 | 0.2168 | 72.0732 | 34.3509 | 0.7501 | 74.2099 |
| 7/13/2025 | 12:00:00 AM | 33.6016 | 40.8343 | 7.2327 | 45.4373 | 33.8196 | 0.218 | 72.072 | 34.3487 | 0.7471 | 74.2129 |
| 7/13/2025 | 1:00:00 AM | 33.6017 | 40.8353 | 7.2336 | 45.4364 | 33.819 | 0.2173 | 72.0727 | 34.349 | 0.7473 | 74.2127 |
| 7/13/2025 | 2:00:00 AM | 33.5876 | 40.8232 | 7.2356 | 45.4344 | 33.8062 | 0.2186 | 72.0714 | 34.3473 | 0.7597 | 74.2003 |
| 7/13/2025 | 3:00:00 AM | 33.5742 | 40.8122 | 7.238 | 45.432 | 33.7971 | 0.2229 | 72.0671 | 34.345 | 0.7708 | 74.1892 |
| 7/13/2025 | 4:00:00 AM | 33.5761 | 40.8176 | 7.2415 | 45.4285 | 33.8032 | 0.2271 | 72.0629 | 34.3456 | 0.7695 | 74.1905 |
| 7/13/2025 | 5:00:00 AM | 33.5815 | 40.8229 | 7.2414 | 45.4286 | 33.8068 | 0.2253 | 72.0647 | 34.348 | 0.7665 | 74.1935 |
| 7/13/2025 | 6:00:00 AM | 33.5877 | 40.8275 | 7.2398 | 45.4302 | 33.811 | 0.2233 | 72.0667 | 34.3482 | 0.7605 | 74.1995 |
| 7/13/2025 | 7:00:00 AM | 33.5954 | 40.8335 | 7.2381 | 45.4319 | 33.8209 | 0.2255 | 72.0645 | 34.351 | 0.7556 | 74.2044 |
| 7/13/2025 | 8:00:00 AM | 33.6042 | 40.8401 | 7.2359 | 45.4341 | 33.8317 | 0.2275 | 72.0625 | 34.3511 | 0.7469 | 74.2131 |
| 7/13/2025 | 9:00:00 AM | 33.6097 | 40.842 | 7.2323 | 45.4377 | 33.8357 | 0.226 | 72.064 | 34.3515 | 0.7418 | 74.2182 |
| 7/13/2025 | 10:00:00 AM | 33.6033 | 40.8346 | 7.2313 | 45.4387 | 33.8271 | 0.2238 | 72.0662 | 34.3491 | 0.7458 | 74.2142 |
| 7/13/2025 | 11:00:00 AM | 33.5958 | 40.8255 | 7.2297 | 45.4403 | 33.818 | 0.2222 | 72.0678 | 34.3485 | 0.7527 | 74.2073 |
| 7/13/2025 | 12:00:00 PM | 33.5874 | 40.8152 | 7.2278 | 45.4422 | 33.8104 | 0.223 | 72.067 | 34.3471 | 0.7597 | 74.2003 |
| 7/13/2025 | 1:00:00 PM | 33.5787 | 40.8074 | 7.2287 | 45.4413 | 33.8035 | 0.2248 | 72.0652 | 34.3442 | 0.7655 | 74.1945 |
| 7/13/2025 | 2:00:00 PM | 33.5712 | 40.7994 | 7.2282 | 45.4418 | 33.7928 | 0.2216 | 72.0684 | 34.3456 | 0.7744 | 74.1856 |
| 7/13/2025 | 3:00:00 PM | 33.5664 | 40.7933 | 7.2269 | 45.4431 | 33.7853 | 0.2189 | 72.0711 | 34.3436 | 0.7772 | 74.1828 |
| 7/13/2025 | 4:00:00 PM | 33.5499 | 40.7797 | 7.2298 | 45.4402 | 33.7669 | 0.217 | 72.073 | 34.3424 | 0.7925 | 74.1675 |
| 7/13/2025 | 5:00:00 PM | 33.5422 | 40.7744 | 7.2322 | 45.4378 | 33.7609 | 0.2187 | 72.0713 | 34.3424 | 0.8002 | 74.1598 |
| 7/13/2025 | 6:00:00 PM | 33.5374 | 40.7748 | 7.2374 | 45.4326 | 33.7586 | 0.2212 | 72.0688 | 34.3439 | 0.8065 | 74.1535 |
| 7/13/2025 | 7:00:00 PM | 33.5497 | 40.7881 | 7.2384 | 45.4316 | 33.7703 | 0.2206 | 72.0694 | 34.3462 | 0.7965 | 74.1635 |
| 7/13/2025 | 8:00:00 PM | 33.5492 | 40.79 | 7.2408 | 45.4292 | 33.7709 | 0.2217 | 72.0683 | 34.3472 | 0.798 | 74.162 |
| 7/13/2025 | 9:00:00 PM | 33.5491 | 40.7929 | 7.2438 | 45.4262 | 33.7743 | 0.2252 | 72.0648 | 34.3484 | 0.7993 | 74.1607 |
| 7/13/2025 | 10:00:00 PM | 33.5567 | 40.8013 | 7.2446 | 45.4254 | 33.7799 | 0.2232 | 72.0668 | 34.35 | 0.7933 | 74.1667 |
| 7/13/2025 | 11:00:00 PM | 33.554 | 40.7973 | 7.2433 | 45.4267 | 33.7764 | 0.2224 | 72.0676 | 34.3495 | 0.7955 | 74.1645 |
| 7/14/2025 | 12:00:00 AM | 33.5577 | 40.8011 | 7.2434 | 45.4266 | 33.7822 | 0.2245 | 72.0655 | 34.3507 | 0.793 | 74.167 |
| 7/14/2025 | 1:00:00 AM | 33.5589 | 40.8036 | 7.2447 | 45.4253 | 33.7852 | 0.2263 | 72.0637 | 34.3502 | 0.7913 | 74.1687 |
| 7/14/2025 | 2:00:00 AM | 33.5535 | 40.7982 | 7.2447 | 45.4253 | 33.7778 | 0.2243 | 72.0657 | 34.349 | 0.7955 | 74.1645 |
| 7/14/2025 | 3:00:00 AM | 33.5514 | 40.7974 | 7.246 | 45.424 | 33.7763 | 0.2249 | 72.0651 | 34.3492 | 0.7978 | 74.1622 |
| 7/14/2025 | 4:00:00 AM | 33.55 | 40.7975 | 7.2475 | 45.4225 | 33.7764 | 0.2264 | 72.0636 | 34.3502 | 0.8002 | 74.1598 |
| 7/14/2025 | 5:00:00 AM | 33.5324 | 40.7855 | 7.2531 | 45.4169 | 33.764 | 0.2316 | 72.0584 | 34.3471 | 0.8147 | 74.1453 |
| 7/14/2025 | 6:00:00 AM | 33.5392 | 40.7911 | 7.2519 | 45.4181 | 33.7678 | 0.2286 | 72.0614 | 34.3495 | 0.8103 | 74.1497 |
| 7/14/2025 | 7:00:00 AM | 33.5435 | 40.7974 | 7.2539 | 45.4161 | 33.7732 | 0.2297 | 72.0603 | 34.3504 | 0.8069 | 74.1531 |
| 7/14/2025 | 8:00:00 AM | 33.5508 | 40.8043 | 7.2535 | 45.4165 | 33.784 | 0.2332 | 72.0568 | 34.352 | 0.8012 | 74.1588 |
| 7/14/2025 | 9:00:00 AM | 33.5495 | 40.8026 | 7.2531 | 45.4169 | 33.7822 | 0.2327 | 72.0573 | 34.3518 | 0.8023 | 74.1577 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/14/2025 | 10:00:00 AM | 33.5461 | 40.7976 | 7.2515 | 45.4185 | 33.7791 | 0.233 | 72.057 | 34.3527 | 0.8066 | 74.1534 |
| 7/14/2025 | 11:00:00 AM | 33.5454 | 40.798 | 7.2526 | 45.4174 | 33.7774 | 0.232 | 72.058 | 34.3527 | 0.8073 | 74.1527 |
| 7/14/2025 | 12:00:00 PM | 33.5403 | 40.7926 | 7.2523 | 45.4177 | 33.7726 | 0.2323 | 72.0577 | 34.3519 | 0.8116 | 74.1484 |
| 7/14/2025 | 1:00:00 PM | 33.528 | 40.7825 | 7.2545 | 45.4155 | 33.7627 | 0.2347 | 72.0553 | 34.3492 | 0.8212 | 74.1388 |
| 7/14/2025 | 2:00:00 PM | 33.5225 | 40.7771 | 7.2546 | 45.4154 | 33.7589 | 0.2364 | 72.0536 | 34.3495 | 0.827 | 74.133 |
| 7/14/2025 | 3:00:00 PM | 33.5207 | 40.7754 | 7.2547 | 45.4153 | 33.7533 | 0.2326 | 72.0574 | 34.3498 | 0.8291 | 74.1309 |
| 7/14/2025 | 4:00:00 PM | 33.513 | 40.7737 | 7.2607 | 45.4093 | 33.7499 | 0.2369 | 72.0531 | 34.3495 | 0.8365 | 74.1235 |
| 7/14/2025 | 5:00:00 PM | 33.5064 | 40.7676 | 7.2612 | 45.4088 | 33.7348 | 0.2284 | 72.0616 | 34.3491 | 0.8427 | 74.1173 |
| 7/14/2025 | 6:00:00 PM | 33.4824 | 40.7487 | 7.2663 | 45.4037 | 33.7113 | 0.2289 | 72.0611 | 34.3459 | 0.8635 | 74.0965 |
| 7/14/2025 | 7:00:00 PM | 33.4736 | 40.7473 | 7.2737 | 45.3963 | 33.7065 | 0.2329 | 72.0571 | 34.346 | 0.8724 | 74.0876 |
| 7/14/2025 | 8:00:00 PM | 33.4846 | 40.7616 | 7.277 | 45.393 | 33.7233 | 0.2387 | 72.0513 | 34.3492 | 0.8646 | 74.0954 |
| 7/14/2025 | 9:00:00 PM | 33.4949 | 40.7712 | 7.2763 | 45.3937 | 33.7308 | 0.2359 | 72.0541 | 34.351 | 0.8561 | 74.1039 |
| 7/14/2025 | 10:00:00 PM | 33.5069 | 40.7829 | 7.276 | 45.394 | 33.7407 | 0.2338 | 72.0562 | 34.3535 | 0.8466 | 74.1134 |
| 7/14/2025 | 11:00:00 PM | 33.4984 | 40.7757 | 7.2773 | 45.3927 | 33.734 | 0.2356 | 72.0544 | 34.3514 | 0.853 | 74.107 |
| 7/15/2025 | 12:00:00 AM | 33.5016 | 40.7805 | 7.2789 | 45.3911 | 33.7395 | 0.2379 | 72.0521 | 34.3518 | 0.8502 | 74.1098 |
| 7/15/2025 | 1:00:00 AM | 33.4997 | 40.7795 | 7.2798 | 45.3902 | 33.7395 | 0.2398 | 72.0502 | 34.3517 | 0.852 | 74.108 |
| 7/15/2025 | 2:00:00 AM | 33.4973 | 40.7785 | 7.2812 | 45.3888 | 33.7394 | 0.2421 | 72.0479 | 34.3512 | 0.8539 | 74.1061 |
| 7/15/2025 | 3:00:00 AM | 33.4984 | 40.7784 | 7.28 | 45.39 | 33.7458 | 0.2474 | 72.0426 | 34.3505 | 0.8521 | 74.1079 |
| 7/15/2025 | 4:00:00 AM | 33.5024 | 40.783 | 7.2806 | 45.3894 | 33.7462 | 0.2438 | 72.0462 | 34.3516 | 0.8492 | 74.1108 |
| 7/15/2025 | 5:00:00 AM | 33.505 | 40.7865 | 7.2815 | 45.3885 | 33.7513 | 0.2463 | 72.0437 | 34.3513 | 0.8463 | 74.1137 |
| 7/15/2025 | 6:00:00 AM | 33.5071 | 40.7889 | 7.2818 | 45.3882 | 33.7559 | 0.2488 | 72.0412 | 34.3515 | 0.8444 | 74.1156 |
| 7/15/2025 | 7:00:00 AM | 33.5146 | 40.7938 | 7.2792 | 45.3908 | 33.7616 | 0.247 | 72.043 | 34.3528 | 0.8382 | 74.1218 |
| 7/15/2025 | 8:00:00 AM | 33.5173 | 40.7939 | 7.2766 | 45.3934 | 33.7676 | 0.2503 | 72.0397 | 34.3533 | 0.836 | 74.124 |
| 7/15/2025 | 9:00:00 AM | 33.52 | 40.7967 | 7.2767 | 45.3933 | 33.7725 | 0.2525 | 72.0375 | 34.353 | 0.833 | 74.127 |
| 7/15/2025 | 10:00:00 AM | 33.5112 | 40.785 | 7.2738 | 45.3962 | 33.7626 | 0.2514 | 72.0386 | 34.3506 | 0.8394 | 74.1206 |
| 7/15/2025 | 11:00:00 AM | 33.5017 | 40.7754 | 7.2737 | 45.3963 | 33.7497 | 0.248 | 72.042 | 34.3489 | 0.8472 | 74.1128 |
| 7/15/2025 | 12:00:00 PM | 33.4818 | 40.7574 | 7.2756 | 45.3944 | 33.7328 | 0.251 | 72.039 | 34.3456 | 0.8638 | 74.0962 |
| 7/15/2025 | 1:00:00 PM | 33.4677 | 40.7458 | 7.2781 | 45.3919 | 33.7173 | 0.2496 | 72.0404 | 34.3446 | 0.8769 | 74.0831 |
| 7/15/2025 | 2:00:00 PM | 33.4507 | 40.7319 | 7.2812 | 45.3888 | 33.6993 | 0.2486 | 72.0414 | 34.3414 | 0.8907 | 74.0693 |
| 7/15/2025 | 3:00:00 PM | 33.4319 | 40.7179 | 7.286 | 45.384 | 33.678 | 0.2461 | 72.0439 | 34.3397 | 0.9078 | 74.0522 |
| 7/15/2025 | 4:00:00 PM | 33.4064 | 40.6987 | 7.2923 | 45.3777 | 33.6531 | 0.2467 | 72.0433 | 34.3373 | 0.9309 | 74.0291 |
| 7/15/2025 | 5:00:00 PM | 33.3876 | 40.6872 | 7.2996 | 45.3704 | 33.6381 | 0.2505 | 72.0395 | 34.3362 | 0.9486 | 74.0114 |
| 7/15/2025 | 6:00:00 PM | 33.3727 | 40.6805 | 7.3078 | 45.3622 | 33.6236 | 0.2509 | 72.0391 | 34.3341 | 0.9614 | 73.9986 |
| 7/15/2025 | 7:00:00 PM | 33.3664 | 40.6805 | 7.3141 | 45.3559 | 33.6211 | 0.2547 | 72.0353 | 34.3343 | 0.9679 | 73.9921 |
| 7/15/2025 | 8:00:00 PM | 33.3647 | 40.6844 | 7.3197 | 45.3503 | 33.6204 | 0.2557 | 72.0343 | 34.3355 | 0.9708 | 73.9892 |
| 7/15/2025 | 9:00:00 PM | 33.3598 | 40.6834 | 7.3236 | 45.3464 | 33.6148 | 0.255 | 72.035 | 34.3353 | 0.9755 | 73.9845 |
| 7/15/2025 | 10:00:00 PM | 33.3602 | 40.689 | 7.3288 | 45.3412 | 33.6205 | 0.2603 | 72.0297 | 34.3362 | 0.976 | 73.984 |
| 7/15/2025 | 11:00:00 PM | 33.3692 | 40.6999 | 7.3307 | 45.3393 | 33.6283 | 0.2591 | 72.0309 | 34.3389 | 0.9697 | 73.9903 |
| 7/16/2025 | 12:00:00 AM | 33.3653 | 40.6987 | 7.3334 | 45.3366 | 33.6252 | 0.2599 | 72.0301 | 34.3373 | 0.972 | 73.988 |
| 7/16/2025 | 1:00:00 AM | 33.3667 | 40.7017 | 7.335 | 45.335 | 33.6279 | 0.2612 | 72.0288 | 34.3375 | 0.9708 | 73.9892 |
| 7/16/2025 | 2:00:00 AM | 33.3559 | 40.6948 | 7.3389 | 45.3311 | 33.6201 | 0.2642 | 72.0258 | 34.3354 | 0.9795 | 73.9805 |
| 7/16/2025 | 3:00:00 AM | 33.3555 | 40.6955 | 7.34 | 45.33 | 33.6173 | 0.2618 | 72.0282 | 34.3356 | 0.9801 | 73.9799 |
| 7/16/2025 | 4:00:00 AM | 33.3499 | 40.6924 | 7.3425 | 45.3275 | 33.6179 | 0.268 | 72.022 | 34.334 | 0.9841 | 73.9759 |
| 7/16/2025 | 5:00:00 AM | 33.3461 | 40.6919 | 7.3458 | 45.3242 | 33.615 | 0.2689 | 72.0211 | 34.3339 | 0.9878 | 73.9722 |
| 7/16/2025 | 6:00:00 AM | 33.3467 | 40.6951 | 7.3484 | 45.3216 | 33.6156 | 0.2689 | 72.0211 | 34.3341 | 0.9874 | 73.9726 |
| 7/16/2025 | 7:00:00 AM | 33.3475 | 40.6974 | 7.3499 | 45.3201 | 33.6204 | 0.2729 | 72.0171 | 34.3355 | 0.988 | 73.972 |
| 7/16/2025 | 8:00:00 AM | 33.343 | 40.6947 | 7.3517 | 45.3183 | 33.6167 | 0.2737 | 72.0163 | 34.3343 | 0.9913 | 73.9687 |
| 7/16/2025 | 9:00:00 AM | 33.3371 | 40.6906 | 7.3535 | 45.3165 | 33.611 | 0.2739 | 72.0161 | 34.333 | 0.9959 | 73.9641 |
| 7/16/2025 | 10:00:00 AM | 33.328 | 40.6822 | 7.3542 | 45.3158 | 33.6023 | 0.2743 | 72.0157 | 34.3317 | 1.0037 | 73.9563 |
| 7/16/2025 | 11:00:00 AM | 33.3022 | 40.663 | 7.3608 | 45.3092 | 33.5802 | 0.278 | 72.012 | 34.3287 | 1.0265 | 73.9335 |
| 7/16/2025 | 12:00:00 PM | 33.2909 | 40.6557 | 7.3648 | 45.3052 | 33.5689 | 0.278 | 72.012 | 34.3268 | 1.0359 | 73.9241 |
| 7/16/2025 | 1:00:00 PM | 33.2759 | 40.6458 | 7.3699 | 45.3001 | 33.5529 | 0.277 | 72.013 | 34.3251 | 1.0492 | 73.9108 |
| 7/16/2025 | 2:00:00 PM | 33.2559 | 40.6324 | 7.3765 | 45.2935 | 33.5367 | 0.2808 | 72.0092 | 34.3229 | 1.067 | 73.893 |
| 7/16/2025 | 3:00:00 PM | 33.2363 | 40.62 | 7.3837 | 45.2863 | 33.523 | 0.2867 | 72.0033 | 34.3198 | 1.0835 | 73.8765 |
| 7/16/2025 | 4:00:00 PM | 33.2179 | 40.6099 | 7.392 | 45.278 | 33.51 | 0.2921 | 71.9979 | 34.3192 | 1.1013 | 73.8587 |
| 7/16/2025 | 5:00:00 PM | 33.2023 | 40.602 | 7.3997 | 45.2703 | 33.4985 | 0.2962 | 71.9938 | 34.3166 | 1.1143 | 73.8457 |
| 7/16/2025 | 6:00:00 PM | 33.1838 | 40.5914 | 7.4076 | 45.2624 | 33.4866 | 0.3028 | 71.9872 | 34.3154 | 1.1316 | 73.8284 |
| 7/16/2025 | 7:00:00 PM | 33.1661 | 40.585 | 7.4189 | 45.2511 | 33.4761 | 0.31 | 71.98 | 34.3135 | 1.1474 | 73.8126 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/16/2025 | 8:00:00 PM | 33.17 | 40.5952 | 7.4252 | 45.2448 | 33.4764 | 0.3064 | 71.9836 | 34.3144 | 1.1444 | 73.8156 |
| 7/16/2025 | 9:00:00 PM | 33.1742 | 40.6032 | 7.429 | 45.241 | 33.4781 | 0.3039 | 71.9861 | 34.3162 | 1.142 | 73.818 |
| 7/16/2025 | 10:00:00 PM | 33.1867 | 40.6181 | 7.4314 | 45.2386 | 33.4847 | 0.298 | 71.992 | 34.3185 | 1.1318 | 73.8282 |
| 7/16/2025 | 11:00:00 PM | 33.1879 | 40.6222 | 7.4343 | 45.2357 | 33.4888 | 0.3009 | 71.9891 | 34.3179 | 1.13 | 73.83 |
| 7/17/2025 | 12:00:00 AM | 33.1875 | 40.625 | 7.4375 | 45.2325 | 33.4904 | 0.3029 | 71.9871 | 34.3178 | 1.1303 | 73.8297 |
| 7/17/2025 | 1:00:00 AM | 33.1976 | 40.6348 | 7.4372 | 45.2328 | 33.5053 | 0.3077 | 71.9823 | 34.3184 | 1.1208 | 73.8392 |
| 7/17/2025 | 2:00:00 AM | 33.2203 | 40.6531 | 7.4328 | 45.2372 | 33.5294 | 0.3091 | 71.9809 | 34.3213 | 1.101 | 73.859 |
| 7/17/2025 | 3:00:00 AM | 33.2375 | 40.6663 | 7.4288 | 45.2412 | 33.5482 | 0.3107 | 71.9793 | 34.3222 | 1.0847 | 73.8753 |
| 7/17/2025 | 4:00:00 AM | 33.2532 | 40.6779 | 7.4247 | 45.2453 | 33.5682 | 0.315 | 71.975 | 34.3233 | 1.0701 | 73.8899 |
| 7/17/2025 | 5:00:00 AM | 33.2701 | 40.6884 | 7.4183 | 45.2517 | 33.5837 | 0.3136 | 71.9764 | 34.3248 | 1.0547 | 73.9053 |
| 7/17/2025 | 6:00:00 AM | 33.2851 | 40.6965 | 7.4114 | 45.2586 | 33.5978 | 0.3127 | 71.9773 | 34.325 | 1.0399 | 73.9201 |
| 7/17/2025 | 7:00:00 AM | 33.305 | 40.7073 | 7.4023 | 45.2677 | 33.6199 | 0.3149 | 71.9751 | 34.3276 | 1.0226 | 73.9374 |
| 7/17/2025 | 8:00:00 AM | 33.3276 | 40.7226 | 7.395 | 45.275 | 33.6453 | 0.3177 | 71.9723 | 34.3292 | 1.0016 | 73.9584 |
| 7/17/2025 | 9:00:00 AM | 33.3438 | 40.7297 | 7.3859 | 45.2841 | 33.661 | 0.3172 | 71.9728 | 34.3297 | 0.9859 | 73.9741 |
| 7/17/2025 | 10:00:00 AM | 33.3434 | 40.7236 | 7.3802 | 45.2898 | 33.6636 | 0.3202 | 71.9698 | 34.3277 | 0.9843 | 73.9757 |
| 7/17/2025 | 11:00:00 AM | 33.3461 | 40.7187 | 7.3726 | 45.2974 | 33.6651 | 0.319 | 71.971 | 34.3263 | 0.9802 | 73.9798 |
| 7/17/2025 | 12:00:00 PM | 33.3414 | 40.7106 | 7.3692 | 45.3008 | 33.6617 | 0.3203 | 71.9697 | 34.324 | 0.9826 | 73.9774 |
| 7/17/2025 | 1:00:00 PM | 33.3364 | 40.7018 | 7.3654 | 45.3046 | 33.6567 | 0.3203 | 71.9697 | 34.322 | 0.9856 | 73.9744 |
| 7/17/2025 | 2:00:00 PM | 33.3331 | 40.6938 | 7.3607 | 45.3093 | 33.6508 | 0.3177 | 71.9723 | 34.3201 | 0.987 | 73.973 |
| 7/17/2025 | 3:00:00 PM | 33.3214 | 40.6808 | 7.3594 | 45.3106 | 33.6401 | 0.3187 | 71.9713 | 34.3173 | 0.9959 | 73.9641 |
| 7/17/2025 | 4:00:00 PM | 33.3132 | 40.6704 | 7.3572 | 45.3128 | 33.6345 | 0.3213 | 71.9687 | 34.3156 | 1.0024 | 73.9576 |
| 7/17/2025 | 5:00:00 PM | 33.3065 | 40.6641 | 7.3576 | 45.3124 | 33.6257 | 0.3192 | 71.9708 | 34.3142 | 1.0077 | 73.9523 |
| 7/17/2025 | 6:00:00 PM | 33.2964 | 40.6554 | 7.359 | 45.311 | 33.6189 | 0.3225 | 71.9675 | 34.3121 | 1.0157 | 73.9443 |
| 7/17/2025 | 7:00:00 PM | 33.2962 | 40.6559 | 7.3597 | 45.3103 | 33.6185 | 0.3223 | 71.9677 | 34.3122 | 1.016 | 73.944 |
| 7/17/2025 | 8:00:00 PM | 33.3071 | 40.6633 | 7.3562 | 45.3138 | 33.6329 | 0.3258 | 71.9642 | 34.3139 | 1.0068 | 73.9532 |
| 7/17/2025 | 9:00:00 PM | 33.3136 | 40.6669 | 7.3533 | 45.3167 | 33.6404 | 0.3268 | 71.9632 | 34.3135 | 0.9999 | 73.9601 |
| 7/17/2025 | 10:00:00 PM | 33.327 | 40.6782 | 7.3512 | 45.3188 | 33.6547 | 0.3277 | 71.9623 | 34.3165 | 0.9895 | 73.9705 |
| 7/17/2025 | 11:00:00 PM | 33.3323 | 40.6789 | 7.3466 | 45.3234 | 33.6602 | 0.3279 | 71.9621 | 34.315 | 0.9827 | 73.9773 |
| 7/18/2025 | 12:00:00 AM | 33.3363 | 40.6805 | 7.3442 | 45.3258 | 33.6662 | 0.3299 | 71.9601 | 34.3139 | 0.9776 | 73.9824 |
| 7/18/2025 | 1:00:00 AM | 33.3364 | 40.6769 | 7.3405 | 45.3295 | 33.6627 | 0.3263 | 71.9637 | 34.3131 | 0.9767 | 73.9833 |
| 7/18/2025 | 2:00:00 AM | 33.3293 | 40.6696 | 7.3403 | 45.3297 | 33.6597 | 0.3304 | 71.9596 | 34.3107 | 0.9814 | 73.9786 |
| 7/18/2025 | 3:00:00 AM | 33.3369 | 40.6732 | 7.3363 | 45.3337 | 33.6636 | 0.3267 | 71.9633 | 34.3113 | 0.9744 | 73.9856 |
| 7/18/2025 | 4:00:00 AM | 33.3401 | 40.6724 | 7.3323 | 45.3377 | 33.6683 | 0.3282 | 71.9618 | 34.3104 | 0.9703 | 73.9897 |
| 7/18/2025 | 5:00:00 AM | 33.3515 | 40.6797 | 7.3282 | 45.3418 | 33.6799 | 0.3284 | 71.9616 | 34.3113 | 0.9598 | 74.0002 |
| 7/18/2025 | 6:00:00 AM | 33.3549 | 40.6798 | 7.3249 | 45.3451 | 33.6843 | 0.3294 | 71.9606 | 34.3102 | 0.9553 | 74.0047 |
| 7/18/2025 | 7:00:00 AM | 33.3568 | 40.6808 | 7.324 | 45.346 | 33.692 | 0.3352 | 71.9548 | 34.3098 | 0.953 | 74.007 |
| 7/18/2025 | 8:00:00 AM | 33.3645 | 40.6841 | 7.3196 | 45.3504 | 33.7003 | 0.3358 | 71.9542 | 34.3091 | 0.9446 | 74.0154 |
| 7/18/2025 | 9:00:00 AM | 33.3729 | 40.6858 | 7.3129 | 45.3571 | 33.7065 | 0.3336 | 71.9564 | 34.3096 | 0.9367 | 74.0233 |
| 7/18/2025 | 10:00:00 AM | 33.3732 | 40.6835 | 7.3103 | 45.3597 | 33.7063 | 0.3331 | 71.9569 | 34.3083 | 0.9351 | 74.0249 |
| 7/18/2025 | 11:00:00 AM | 33.39 | 40.6931 | 7.3031 | 45.3669 | 33.725 | 0.335 | 71.955 | 34.31 | 0.92 | 74.04 |
| 7/18/2025 | 12:00:00 PM | 33.4091 | 40.7049 | 7.2958 | 45.3742 | 33.7445 | 0.3354 | 71.9546 | 34.3117 | 0.9026 | 74.0574 |
| 7/18/2025 | 1:00:00 PM | 33.4306 | 40.7178 | 7.2872 | 45.3828 | 33.766 | 0.3354 | 71.9546 | 34.3137 | 0.8831 | 74.0769 |
| 7/18/2025 | 2:00:00 PM | 33.4306 | 40.7132 | 7.2826 | 45.3874 | 33.7602 | 0.3296 | 71.9604 | 34.3107 | 0.8801 | 74.0799 |
| 7/18/2025 | 3:00:00 PM | 33.4298 | 40.7052 | 7.2754 | 45.3946 | 33.7558 | 0.326 | 71.964 | 34.3095 | 0.8797 | 74.0803 |
| 7/18/2025 | 4:00:00 PM | 33.4202 | 40.6929 | 7.2727 | 45.3973 | 33.7511 | 0.3309 | 71.9591 | 34.3064 | 0.8862 | 74.0738 |
| 7/18/2025 | 5:00:00 PM | 33.4246 | 40.6941 | 7.2695 | 45.4005 | 33.7553 | 0.3307 | 71.9593 | 34.3062 | 0.8816 | 74.0784 |
| 7/18/2025 | 6:00:00 PM | 33.4204 | 40.6851 | 7.2647 | 45.4053 | 33.7479 | 0.3275 | 71.9625 | 34.3037 | 0.8833 | 74.0767 |
| 7/18/2025 | 7:00:00 PM | 33.4144 | 40.6771 | 7.2627 | 45.4073 | 33.7391 | 0.3247 | 71.9653 | 34.3018 | 0.8874 | 74.0726 |
| 7/18/2025 | 8:00:00 PM | 33.4198 | 40.6791 | 7.2593 | 45.4107 | 33.7462 | 0.3264 | 71.9636 | 34.3025 | 0.8827 | 74.0773 |
| 7/18/2025 | 9:00:00 PM | 33.4326 | 40.6881 | 7.2555 | 45.4145 | 33.7576 | 0.325 | 71.965 | 34.3036 | 0.871 | 74.089 |
| 7/18/2025 | 10:00:00 PM | 33.4456 | 40.6946 | 7.249 | 45.421 | 33.7717 | 0.3261 | 71.9639 | 34.3043 | 0.8587 | 74.1013 |
| 7/18/2025 | 11:00:00 PM | 33.457 | 40.7029 | 7.2459 | 45.4241 | 33.7864 | 0.3294 | 71.9606 | 34.3068 | 0.8498 | 74.1102 |
| 7/19/2025 | 12:00:00 AM | 33.4702 | 40.7112 | 7.241 | 45.429 | 33.7976 | 0.3274 | 71.9626 | 34.3071 | 0.8369 | 74.1231 |
| 7/19/2025 | 1:00:00 AM | 33.4767 | 40.7105 | 7.2338 | 45.4362 | 33.8023 | 0.3256 | 71.9644 | 34.3056 | 0.8289 | 74.1311 |
| 7/19/2025 | 2:00:00 AM | 33.4846 | 40.7138 | 7.2292 | 45.4408 | 33.8132 | 0.3286 | 71.9614 | 34.306 | 0.8214 | 74.1386 |
| 7/19/2025 | 3:00:00 AM | 33.4988 | 40.7213 | 7.2225 | 45.4475 | 33.8233 | 0.3245 | 71.9655 | 34.3066 | 0.8078 | 74.1522 |
| 7/19/2025 | 4:00:00 AM | 33.4992 | 40.7149 | 7.2157 | 45.4543 | 33.8232 | 0.324 | 71.966 | 34.3047 | 0.8055 | 74.1545 |
| 7/19/2025 | 5:00:00 AM | 33.5032 | 40.7147 | 7.2115 | 45.4585 | 33.8287 | 0.3255 | 71.9645 | 34.3039 | 0.8007 | 74.1593 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/19/2025 | 6:00:00 AM | 33.5153 | 40.7207 | 7.2054 | 45.4646 | 33.8425 | 0.3272 | 71.9628 | 34.305 | 0.7897 | 74.1703 |
| 7/19/2025 | 7:00:00 AM | 33.5278 | 40.7259 | 7.1981 | 45.4719 | 33.8547 | 0.3269 | 71.9631 | 34.306 | 0.7782 | 74.1818 |
| 7/19/2025 | 8:00:00 AM | 33.5432 | 40.734 | 7.1908 | 45.4792 | 33.8714 | 0.3282 | 71.9618 | 34.3081 | 0.7649 | 74.1951 |
| 7/19/2025 | 9:00:00 AM | 33.5583 | 40.7411 | 7.1828 | 45.4872 | 33.8813 | 0.323 | 71.967 | 34.3068 | 0.7485 | 74.2115 |
| 7/19/2025 | 10:00:00 AM | 33.5558 | 40.7316 | 7.1758 | 45.4942 | 33.8777 | 0.3219 | 71.9681 | 34.3067 | 0.7509 | 74.2091 |
| 7/19/2025 | 11:00:00 AM | 33.5729 | 40.7434 | 7.1705 | 45.4995 | 33.8958 | 0.3229 | 71.9671 | 34.3083 | 0.7354 | 74.2246 |
| 7/19/2025 | 12:00:00 PM | 33.5743 | 40.7401 | 7.1658 | 45.5042 | 33.893 | 0.3187 | 71.9713 | 34.3079 | 0.7336 | 74.2264 |
| 7/19/2025 | 1:00:00 PM | 33.566 | 40.7283 | 7.1623 | 45.5077 | 33.8807 | 0.3147 | 71.9753 | 34.3054 | 0.7394 | 74.2206 |
| 7/19/2025 | 2:00:00 PM | 33.5525 | 40.7157 | 7.1632 | 45.5068 | 33.8708 | 0.3183 | 71.9717 | 34.303 | 0.7505 | 74.2095 |
| 7/19/2025 | 3:00:00 PM | 33.5503 | 40.7119 | 7.1616 | 45.5084 | 33.866 | 0.3157 | 71.9743 | 34.3022 | 0.7519 | 74.2081 |
| 7/19/2025 | 4:00:00 PM | 33.5406 | 40.7009 | 7.1603 | 45.5097 | 33.8512 | 0.3106 | 71.9794 | 34.3009 | 0.7603 | 74.1997 |
| 7/19/2025 | 5:00:00 PM | 33.5232 | 40.6845 | 7.1613 | 45.5087 | 33.8328 | 0.3096 | 71.9804 | 34.298 | 0.7748 | 74.1852 |
| 7/19/2025 | 6:00:00 PM | 33.5131 | 40.6772 | 7.1641 | 45.5059 | 33.8199 | 0.3068 | 71.9832 | 34.2963 | 0.7832 | 74.1768 |
| 7/19/2025 | 7:00:00 PM | 33.5029 | 40.6682 | 7.1653 | 45.5047 | 33.8102 | 0.3073 | 71.9827 | 34.2936 | 0.7907 | 74.1693 |
| 7/19/2025 | 8:00:00 PM | 33.4998 | 40.6668 | 7.167 | 45.503 | 33.805 | 0.3052 | 71.9848 | 34.2932 | 0.7934 | 74.1666 |
| 7/19/2025 | 9:00:00 PM | 33.4991 | 40.6684 | 7.1693 | 45.5007 | 33.8082 | 0.3091 | 71.9809 | 34.2935 | 0.7944 | 74.1656 |
| 7/19/2025 | 10:00:00 PM | 33.5116 | 40.6792 | 7.1676 | 45.5024 | 33.8159 | 0.3043 | 71.9857 | 34.2955 | 0.7839 | 74.1761 |
| 7/19/2025 | 11:00:00 PM | 33.5136 | 40.6803 | 7.1667 | 45.5033 | 33.8169 | 0.3033 | 71.9867 | 34.2952 | 0.7816 | 74.1784 |
| 7/20/2025 | 12:00:00 AM | 33.5082 | 40.6762 | 7.168 | 45.502 | 33.8119 | 0.3037 | 71.9863 | 34.2931 | 0.7849 | 74.1751 |
| 7/20/2025 | 1:00:00 AM | 33.5044 | 40.6731 | 7.1687 | 45.5013 | 33.8082 | 0.3038 | 71.9862 | 34.2925 | 0.7881 | 74.1719 |
| 7/20/2025 | 2:00:00 AM | 33.4974 | 40.6674 | 7.17 | 45.5 | 33.8011 | 0.3037 | 71.9863 | 34.2909 | 0.7935 | 74.1665 |
| 7/20/2025 | 3:00:00 AM | 33.4839 | 40.6577 | 7.1738 | 45.4962 | 33.7877 | 0.3038 | 71.9862 | 34.2888 | 0.8049 | 74.1551 |
| 7/20/2025 | 4:00:00 AM | 33.4742 | 40.6517 | 7.1775 | 45.4925 | 33.7814 | 0.3072 | 71.9828 | 34.2866 | 0.8124 | 74.1476 |
| 7/20/2025 | 5:00:00 AM | 33.4788 | 40.6562 | 7.1774 | 45.4926 | 33.7843 | 0.3055 | 71.9845 | 34.2878 | 0.809 | 74.151 |
| 7/20/2025 | 6:00:00 AM | 33.4763 | 40.6552 | 7.1789 | 45.4911 | 33.7807 | 0.3044 | 71.9856 | 34.2875 | 0.8112 | 74.1488 |
| 7/20/2025 | 7:00:00 AM | 33.4829 | 40.6593 | 7.1764 | 45.4936 | 33.7865 | 0.3036 | 71.9864 | 34.2879 | 0.805 | 74.155 |
| 7/20/2025 | 8:00:00 AM | 33.4783 | 40.6569 | 7.1786 | 45.4914 | 33.7864 | 0.3081 | 71.9819 | 34.2858 | 0.8075 | 74.1525 |
| 7/20/2025 | 9:00:00 AM | 33.4751 | 40.6527 | 7.1776 | 45.4924 | 33.7777 | 0.3026 | 71.9874 | 34.2848 | 0.8097 | 74.1503 |
| 7/20/2025 | 10:00:00 AM | 33.4594 | 40.6386 | 7.1792 | 45.4908 | 33.7608 | 0.3014 | 71.9886 | 34.2815 | 0.8221 | 74.1379 |
| 7/20/2025 | 11:00:00 AM | 33.4627 | 40.6435 | 7.1808 | 45.4892 | 33.7647 | 0.302 | 71.988 | 34.2833 | 0.8206 | 74.1394 |
| 7/20/2025 | 12:00:00 PM | 33.4449 | 40.6279 | 7.183 | 45.487 | 33.7448 | 0.2999 | 71.9901 | 34.28 | 0.8351 | 74.1249 |
| 7/20/2025 | 1:00:00 PM | 33.4205 | 40.6103 | 7.1898 | 45.4802 | 33.7188 | 0.2983 | 71.9917 | 34.2771 | 0.8566 | 74.1034 |
| 7/20/2025 | 2:00:00 PM | 33.4069 | 40.6011 | 7.1942 | 45.4758 | 33.7051 | 0.2982 | 71.9918 | 34.278 | 0.8711 | 74.0889 |
| 7/20/2025 | 3:00:00 PM | 33.3977 | 40.5983 | 7.2006 | 45.4694 | 33.695 | 0.2973 | 71.9927 | 34.2766 | 0.8789 | 74.0811 |
| 7/20/2025 | 4:00:00 PM | 33.3827 | 40.5879 | 7.2052 | 45.4648 | 33.6783 | 0.2956 | 71.9944 | 34.2749 | 0.8922 | 74.0678 |
| 7/20/2025 | 5:00:00 PM | 33.3716 | 40.5831 | 7.2115 | 45.4585 | 33.6683 | 0.2967 | 71.9933 | 34.2738 | 0.9022 | 74.0578 |
| 7/20/2025 | 6:00:00 PM | 33.3651 | 40.5809 | 7.2158 | 45.4542 | 33.6614 | 0.2963 | 71.9937 | 34.2736 | 0.9085 | 74.0515 |
| 7/20/2025 | 7:00:00 PM | 33.3642 | 40.5857 | 7.2215 | 45.4485 | 33.6615 | 0.2973 | 71.9927 | 34.2734 | 0.9092 | 74.0508 |
| 7/20/2025 | 8:00:00 PM | 33.3637 | 40.5879 | 7.2242 | 45.4458 | 33.6602 | 0.2965 | 71.9935 | 34.2729 | 0.9092 | 74.0508 |
| 7/20/2025 | 9:00:00 PM | 33.372 | 40.5999 | 7.2279 | 45.4421 | 33.6705 | 0.2985 | 71.9915 | 34.2744 | 0.9024 | 74.0576 |
| 7/20/2025 | 10:00:00 PM | 33.3702 | 40.5995 | 7.2293 | 45.4407 | 33.6669 | 0.2967 | 71.9933 | 34.2739 | 0.9037 | 74.0563 |
| 7/20/2025 | 11:00:00 PM | 33.3599 | 40.5923 | 7.2324 | 45.4376 | 33.6584 | 0.2985 | 71.9915 | 34.2719 | 0.912 | 74.048 |
| 7/21/2025 | 12:00:00 AM | 33.3617 | 40.5979 | 7.2362 | 45.4338 | 33.6632 | 0.3015 | 71.9885 | 34.2721 | 0.9104 | 74.0496 |
| 7/21/2025 | 1:00:00 AM | 33.3613 | 40.6001 | 7.2388 | 45.4312 | 33.6605 | 0.2992 | 71.9908 | 34.2712 | 0.9099 | 74.0501 |
| 7/21/2025 | 2:00:00 AM | 33.3564 | 40.5998 | 7.2434 | 45.4266 | 33.6596 | 0.3032 | 71.9868 | 34.2712 | 0.9148 | 74.0452 |
| 7/21/2025 | 3:00:00 AM | 33.3572 | 40.6024 | 7.2452 | 45.4248 | 33.6631 | 0.3059 | 71.9841 | 34.2709 | 0.9137 | 74.0463 |
| 7/21/2025 | 4:00:00 AM | 33.3571 | 40.6035 | 7.2464 | 45.4236 | 33.6615 | 0.3044 | 71.9856 | 34.2707 | 0.9136 | 74.0464 |
| 7/21/2025 | 5:00:00 AM | 33.362 | 40.6093 | 7.2473 | 45.4227 | 33.6703 | 0.3083 | 71.9817 | 34.2711 | 0.9091 | 74.0509 |
| 7/21/2025 | 6:00:00 AM | 33.3652 | 40.612 | 7.2468 | 45.4232 | 33.6709 | 0.3057 | 71.9843 | 34.272 | 0.9068 | 74.0532 |
| 7/21/2025 | 7:00:00 AM | 33.3781 | 40.6235 | 7.2454 | 45.4246 | 33.6871 | 0.309 | 71.981 | 34.2735 | 0.8954 | 74.0646 |
| 7/21/2025 | 8:00:00 AM | 33.3835 | 40.626 | 7.2425 | 45.4275 | 33.6926 | 0.3091 | 71.9809 | 34.2729 | 0.8894 | 74.0706 |
| 7/21/2025 | 9:00:00 AM | 33.381 | 40.6218 | 7.2408 | 45.4292 | 33.6899 | 0.3089 | 71.9811 | 34.2721 | 0.8911 | 74.0689 |
| 7/21/2025 | 10:00:00 AM | 33.3679 | 40.6127 | 7.2448 | 45.4252 | 33.6766 | 0.3087 | 71.9813 | 34.2709 | 0.903 | 74.057 |
| 7/21/2025 | 11:00:00 AM | 33.3578 | 40.6041 | 7.2463 | 45.4237 | 33.6668 | 0.309 | 71.981 | 34.268 | 0.9102 | 74.0498 |
| 7/21/2025 | 12:00:00 PM | 33.3465 | 40.5943 | 7.2478 | 45.4222 | 33.6564 | 0.3099 | 71.9801 | 34.2674 | 0.9209 | 74.0391 |
| 7/21/2025 | 1:00:00 PM | 33.3371 | 40.5873 | 7.2502 | 45.4198 | 33.643 | 0.3059 | 71.9841 | 34.2663 | 0.9292 | 74.0308 |
| 7/21/2025 | 2:00:00 PM | 33.3275 | 40.5846 | 7.2571 | 45.4129 | 33.6356 | 0.3081 | 71.9819 | 34.2656 | 0.9381 | 74.0219 |
| 7/21/2025 | 3:00:00 PM | 33.314 | 40.5723 | 7.2583 | 45.4117 | 33.6195 | 0.3055 | 71.9845 | 34.2635 | 0.9495 | 74.0105 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/21/2025 | 4:00:00 PM | 33.3008 | 40.5644 | 7.2636 | 45.4064 | 33.607 | 0.3062 | 71.9838 | 34.2634 | 0.9626 | 73.9974 |
| 7/21/2025 | 5:00:00 PM | 33.3069 | 40.5749 | 7.268 | 45.402 | 33.6163 | 0.3094 | 71.9806 | 34.2641 | 0.9572 | 74.0028 |
| 7/21/2025 | 6:00:00 PM | 33.3177 | 40.5863 | 7.2686 | 45.4014 | 33.6287 | 0.311 | 71.979 | 34.2667 | 0.949 | 74.011 |
| 7/21/2025 | 7:00:00 PM | 33.3326 | 40.5987 | 7.2661 | 45.4039 | 33.6411 | 0.3085 | 71.9815 | 34.2669 | 0.9343 | 74.0257 |
| 7/21/2025 | 8:00:00 PM | 33.3516 | 40.6149 | 7.2633 | 45.4067 | 33.6561 | 0.3045 | 71.9855 | 34.2692 | 0.9176 | 74.0424 |
| 7/21/2025 | 9:00:00 PM | 33.3459 | 40.6099 | 7.264 | 45.406 | 33.6536 | 0.3077 | 71.9823 | 34.2667 | 0.9208 | 74.0392 |
| 7/21/2025 | 10:00:00 PM | 33.3687 | 40.6281 | 7.2594 | 45.4106 | 33.6728 | 0.3041 | 71.9859 | 34.271 | 0.9023 | 74.0577 |
| 7/21/2025 | 11:00:00 PM | 33.3686 | 40.6276 | 7.259 | 45.411 | 33.6792 | 0.3106 | 71.9794 | 34.269 | 0.9004 | 74.0596 |
| 7/22/2025 | 12:00:00 AM | 33.3724 | 40.6285 | 7.2561 | 45.4139 | 33.6815 | 0.3091 | 71.9809 | 34.2679 | 0.8955 | 74.0645 |
| 7/22/2025 | 1:00:00 AM | 33.3908 | 40.6419 | 7.2511 | 45.4189 | 33.7012 | 0.3104 | 71.9796 | 34.2697 | 0.8789 | 74.0811 |
| 7/22/2025 | 2:00:00 AM | 33.3871 | 40.6365 | 7.2494 | 45.4206 | 33.6986 | 0.3115 | 71.9785 | 34.2678 | 0.8807 | 74.0793 |
| 7/22/2025 | 3:00:00 AM | 33.3935 | 40.6405 | 7.247 | 45.423 | 33.7015 | 0.308 | 71.982 | 34.2688 | 0.8753 | 74.0847 |
| 7/22/2025 | 4:00:00 AM | 33.3972 | 40.6408 | 7.2436 | 45.4264 | 33.7088 | 0.3116 | 71.9784 | 34.2674 | 0.8702 | 74.0898 |
| 7/22/2025 | 5:00:00 AM | 33.4041 | 40.6436 | 7.2395 | 45.4305 | 33.7153 | 0.3112 | 71.9788 | 34.2678 | 0.8637 | 74.0963 |
| 7/22/2025 | 6:00:00 AM | 33.4159 | 40.6522 | 7.2363 | 45.4337 | 33.7288 | 0.3129 | 71.9771 | 34.2688 | 0.8529 | 74.1071 |
| 7/22/2025 | 7:00:00 AM | 33.4267 | 40.6578 | 7.2311 | 45.4389 | 33.7433 | 0.3166 | 71.9734 | 34.2691 | 0.8424 | 74.1176 |
| 7/22/2025 | 8:00:00 AM | 33.4388 | 40.6618 | 7.223 | 45.447 | 33.7517 | 0.3129 | 71.9771 | 34.2696 | 0.8308 | 74.1292 |
| 7/22/2025 | 9:00:00 AM | 33.4454 | 40.6633 | 7.2179 | 45.4521 | 33.756 | 0.3106 | 71.9794 | 34.2688 | 0.8234 | 74.1366 |
| 7/22/2025 | 10:00:00 AM | 33.4429 | 40.6583 | 7.2154 | 45.4546 | 33.7546 | 0.3117 | 71.9783 | 34.2683 | 0.8254 | 74.1346 |
| 7/22/2025 | 11:00:00 AM | 33.452 | 40.6623 | 7.2103 | 45.4597 | 33.7623 | 0.3103 | 71.9797 | 34.2687 | 0.8167 | 74.1433 |
| 7/22/2025 | 12:00:00 PM | 33.4501 | 40.6542 | 7.2041 | 45.4659 | 33.7583 | 0.3082 | 71.9818 | 34.2684 | 0.8183 | 74.1417 |
| 7/22/2025 | 1:00:00 PM | 33.4379 | 40.6414 | 7.2035 | 45.4665 | 33.7439 | 0.306 | 71.984 | 34.2652 | 0.8273 | 74.1327 |
| 7/22/2025 | 2:00:00 PM | 33.4181 | 40.6239 | 7.2058 | 45.4642 | 33.7246 | 0.3065 | 71.9835 | 34.2624 | 0.8443 | 74.1157 |
| 7/22/2025 | 3:00:00 PM | 33.4061 | 40.6132 | 7.2071 | 45.4629 | 33.7111 | 0.305 | 71.985 | 34.2606 | 0.8545 | 74.1055 |
| 7/22/2025 | 4:00:00 PM | 33.3898 | 40.598 | 7.2082 | 45.4618 | 33.6913 | 0.3015 | 71.9885 | 34.2593 | 0.8695 | 74.0905 |
| 7/22/2025 | 5:00:00 PM | 33.379 | 40.5928 | 7.2138 | 45.4562 | 33.6831 | 0.3041 | 71.9859 | 34.2573 | 0.8783 | 74.0817 |
| 7/22/2025 | 6:00:00 PM | 33.3763 | 40.5927 | 7.2164 | 45.4536 | 33.6796 | 0.3033 | 71.9867 | 34.2578 | 0.8815 | 74.0785 |
| 7/22/2025 | 7:00:00 PM | 33.3814 | 40.5957 | 7.2143 | 45.4557 | 33.684 | 0.3026 | 71.9874 | 34.2578 | 0.8764 | 74.0836 |
| 7/22/2025 | 8:00:00 PM | 33.3837 | 40.5983 | 7.2146 | 45.4554 | 33.6844 | 0.3007 | 71.9893 | 34.2576 | 0.8739 | 74.0861 |
| 7/22/2025 | 9:00:00 PM | 33.3898 | 40.6041 | 7.2143 | 45.4557 | 33.6947 | 0.3049 | 71.9851 | 34.2586 | 0.8688 | 74.0912 |
| 7/22/2025 | 10:00:00 PM | 33.4032 | 40.6144 | 7.2112 | 45.4588 | 33.707 | 0.3038 | 71.9862 | 34.2601 | 0.8569 | 74.1031 |
| 7/22/2025 | 11:00:00 PM | 33.4056 | 40.6158 | 7.2102 | 45.4598 | 33.7099 | 0.3043 | 71.9857 | 34.2594 | 0.8538 | 74.1062 |
| 7/23/2025 | 12:00:00 AM | 33.4114 | 40.6203 | 7.2089 | 45.4611 | 33.7161 | 0.3047 | 71.9853 | 34.2585 | 0.8471 | 74.1129 |
| 7/23/2025 | 1:00:00 AM | 33.4148 | 40.6217 | 7.2069 | 45.4631 | 33.7198 | 0.305 | 71.985 | 34.2587 | 0.8439 | 74.1161 |
| 7/23/2025 | 2:00:00 AM | 33.4241 | 40.6281 | 7.204 | 45.466 | 33.7301 | 0.306 | 71.984 | 34.2589 | 0.8348 | 74.1252 |
| 7/23/2025 | 3:00:00 AM | 33.4274 | 40.6293 | 7.2019 | 45.4681 | 33.7284 | 0.301 | 71.989 | 34.2591 | 0.8317 | 74.1283 |
| 7/23/2025 | 4:00:00 AM | 33.4251 | 40.6267 | 7.2016 | 45.4684 | 33.7326 | 0.3075 | 71.9825 | 34.2581 | 0.833 | 74.127 |
| 7/23/2025 | 5:00:00 AM | 33.4279 | 40.6278 | 7.1999 | 45.4701 | 33.733 | 0.3051 | 71.9849 | 34.2579 | 0.83 | 74.13 |
| 7/23/2025 | 6:00:00 AM | 33.435 | 40.632 | 7.197 | 45.473 | 33.7437 | 0.3087 | 71.9813 | 34.2583 | 0.8233 | 74.1367 |
| 7/23/2025 | 7:00:00 AM | 33.4519 | 40.6452 | 7.1933 | 45.4767 | 33.7579 | 0.306 | 71.984 | 34.2618 | 0.8099 | 74.1501 |
| 7/23/2025 | 8:00:00 AM | 33.4603 | 40.6461 | 7.1858 | 45.4842 | 33.7663 | 0.306 | 71.984 | 34.2604 | 0.8001 | 74.1599 |
| 7/23/2025 | 9:00:00 AM | 33.464 | 40.646 | 7.182 | 45.488 | 33.7712 | 0.3072 | 71.9828 | 34.2604 | 0.7964 | 74.1636 |
| 7/23/2025 | 10:00:00 AM | 33.4612 | 40.6392 | 7.178 | 45.492 | 33.7632 | 0.302 | 71.988 | 34.2582 | 0.797 | 74.163 |
| 7/23/2025 | 11:00:00 AM | 33.4581 | 40.6328 | 7.1747 | 45.4953 | 33.762 | 0.3039 | 71.9861 | 34.2581 | 0.8 | 74.16 |
| 7/23/2025 | 12:00:00 PM | 33.4491 | 40.6228 | 7.1737 | 45.4963 | 33.7505 | 0.3014 | 71.9886 | 34.2555 | 0.8064 | 74.1536 |
| 7/23/2025 | 1:00:00 PM | 33.4436 | 40.6183 | 7.1747 | 45.4953 | 33.7457 | 0.3021 | 71.9879 | 34.2554 | 0.8118 | 74.1482 |
| 7/23/2025 | 2:00:00 PM | 33.4428 | 40.6156 | 7.1728 | 45.4972 | 33.7403 | 0.2975 | 71.9925 | 34.2552 | 0.8124 | 74.1476 |
| 7/23/2025 | 3:00:00 PM | 33.434 | 40.6072 | 7.1732 | 45.4968 | 33.7303 | 0.2963 | 71.9937 | 34.2543 | 0.8203 | 74.1397 |
| 7/23/2025 | 4:00:00 PM | 33.4282 | 40.6013 | 7.1731 | 45.4969 | 33.7235 | 0.2953 | 71.9947 | 34.2539 | 0.8257 | 74.1343 |
| 7/23/2025 | 5:00:00 PM | 33.4267 | 40.6006 | 7.1739 | 45.4961 | 33.7182 | 0.2915 | 71.9985 | 34.2545 | 0.8278 | 74.1322 |
| 7/23/2025 | 6:00:00 PM | 33.419 | 40.5953 | 7.1763 | 45.4937 | 33.7114 | 0.2924 | 71.9976 | 34.2538 | 0.8348 | 74.1252 |
| 7/23/2025 | 7:00:00 PM | 33.4245 | 40.6021 | 7.1776 | 45.4924 | 33.7166 | 0.2921 | 71.9979 | 34.2548 | 0.8303 | 74.1297 |
| 7/23/2025 | 8:00:00 PM | 33.4279 | 40.6059 | 7.178 | 45.492 | 33.72 | 0.2921 | 71.9979 | 34.256 | 0.8281 | 74.1319 |
| 7/23/2025 | 9:00:00 PM | 33.4381 | 40.6147 | 7.1766 | 45.4934 | 33.7303 | 0.2922 | 71.9978 | 34.2578 | 0.8197 | 74.1403 |
| 7/23/2025 | 10:00:00 PM | 33.4489 | 40.6258 | 7.1769 | 45.4931 | 33.7403 | 0.2914 | 71.9986 | 34.2582 | 0.8093 | 74.1507 |
| 7/23/2025 | 11:00:00 PM | 33.4463 | 40.6215 | 7.1752 | 45.4948 | 33.7375 | 0.2912 | 71.9988 | 34.2571 | 0.8108 | 74.1492 |
| 7/24/2025 | 12:00:00 AM | 33.4513 | 40.6266 | 7.1753 | 45.4947 | 33.7439 | 0.2926 | 71.9974 | 34.2562 | 0.8049 | 74.1551 |
| 7/24/2025 | 1:00:00 AM | 33.4599 | 40.6322 | 7.1723 | 45.4977 | 33.753 | 0.2931 | 71.9969 | 34.2578 | 0.7979 | 74.1621 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/24/2025 | 2:00:00 AM | 33.4608 | 40.6339 | 7.1731 | 45.4969 | 33.7538 | 0.293 | 71.997 | 34.2558 | 0.795 | 74.165 |
| 7/24/2025 | 3:00:00 AM | 33.4669 | 40.6378 | 7.1709 | 45.4991 | 33.7598 | 0.2929 | 71.9971 | 34.2566 | 0.7897 | 74.1703 |
| 7/24/2025 | 4:00:00 AM | 33.4763 | 40.6452 | 7.1689 | 45.5011 | 33.7682 | 0.2919 | 71.9981 | 34.2574 | 0.7811 | 74.1789 |
| 7/24/2025 | 5:00:00 AM | 33.4765 | 40.6424 | 7.1659 | 45.5041 | 33.7679 | 0.2914 | 71.9986 | 34.257 | 0.7805 | 74.1795 |
| 7/24/2025 | 6:00:00 AM | 33.4761 | 40.642 | 7.1659 | 45.5041 | 33.7686 | 0.2925 | 71.9975 | 34.2558 | 0.7797 | 74.1803 |
| 7/24/2025 | 7:00:00 AM | 33.4852 | 40.6453 | 7.1601 | 45.5099 | 33.7756 | 0.2904 | 71.9996 | 34.2563 | 0.7711 | 74.1889 |
| 7/24/2025 | 8:00:00 AM | 33.4931 | 40.653 | 7.1599 | 45.5101 | 33.7884 | 0.2953 | 71.9947 | 34.2562 | 0.7631 | 74.1969 |
| 7/24/2025 | 9:00:00 AM | 33.508 | 40.6606 | 7.1526 | 45.5174 | 33.8017 | 0.2937 | 71.9963 | 34.2585 | 0.7505 | 74.2095 |
| 7/24/2025 | 10:00:00 AM | 33.5119 | 40.6599 | 7.148 | 45.522 | 33.8043 | 0.2924 | 71.9976 | 34.2574 | 0.7455 | 74.2145 |
| 7/24/2025 | 11:00:00 AM | 33.5048 | 40.6493 | 7.1445 | 45.5255 | 33.7946 | 0.2898 | 72.0002 | 34.2555 | 0.7507 | 74.2093 |
| 7/24/2025 | 12:00:00 PM | 33.4986 | 40.6406 | 7.142 | 45.528 | 33.7858 | 0.2872 | 72.0028 | 34.253 | 0.7544 | 74.2056 |
| 7/24/2025 | 1:00:00 PM | 33.4963 | 40.6368 | 7.1405 | 45.5295 | 33.7804 | 0.2841 | 72.0059 | 34.2527 | 0.7564 | 74.2036 |
| 7/24/2025 | 2:00:00 PM | 33.4778 | 40.6181 | 7.1403 | 45.5297 | 33.7599 | 0.2821 | 72.0079 | 34.2489 | 0.7711 | 74.1889 |
| 7/24/2025 | 3:00:00 PM | 33.4662 | 40.6091 | 7.1429 | 45.5271 | 33.7502 | 0.284 | 72.006 | 34.2492 | 0.783 | 74.177 |
| 7/24/2025 | 4:00:00 PM | 33.4531 | 40.5983 | 7.1452 | 45.5248 | 33.7339 | 0.2808 | 72.0092 | 34.2483 | 0.7952 | 74.1648 |
| 7/24/2025 | 5:00:00 PM | 33.4433 | 40.5922 | 7.1489 | 45.5211 | 33.7212 | 0.2779 | 72.0121 | 34.2497 | 0.8064 | 74.1536 |
| 7/24/2025 | 6:00:00 PM | 33.433 | 40.5863 | 7.1533 | 45.5167 | 33.7128 | 0.2798 | 72.0102 | 34.2484 | 0.8154 | 74.1446 |
| 7/24/2025 | 7:00:00 PM | 33.434 | 40.5894 | 7.1554 | 45.5146 | 33.7115 | 0.2775 | 72.0125 | 34.2497 | 0.8157 | 74.1443 |
| 7/24/2025 | 8:00:00 PM | 33.438 | 40.5972 | 7.1592 | 45.5108 | 33.7155 | 0.2775 | 72.0125 | 34.2487 | 0.8107 | 74.1493 |
| 7/24/2025 | 9:00:00 PM | 33.4368 | 40.5965 | 7.1597 | 45.5103 | 33.7138 | 0.277 | 72.013 | 34.2493 | 0.8125 | 74.1475 |
| 7/24/2025 | 10:00:00 PM | 33.4435 | 40.6041 | 7.1606 | 45.5094 | 33.7195 | 0.276 | 72.014 | 34.2492 | 0.8057 | 74.1543 |
| 7/24/2025 | 11:00:00 PM | 33.4513 | 40.6127 | 7.1614 | 45.5086 | 33.7319 | 0.2806 | 72.0094 | 34.2502 | 0.7989 | 74.1611 |
| 7/25/2025 | 12:00:00 AM | 33.4584 | 40.6172 | 7.1588 | 45.5112 | 33.7381 | 0.2797 | 72.0103 | 34.2499 | 0.7915 | 74.1685 |
| 7/25/2025 | 1:00:00 AM | 33.4652 | 40.6227 | 7.1575 | 45.5125 | 33.7421 | 0.2769 | 72.0131 | 34.2506 | 0.7854 | 74.1746 |
| 7/25/2025 | 2:00:00 AM | 33.4631 | 40.6201 | 7.157 | 45.513 | 33.7414 | 0.2783 | 72.0117 | 34.2496 | 0.7865 | 74.1735 |
| 7/25/2025 | 3:00:00 AM | 33.463 | 40.6196 | 7.1566 | 45.5134 | 33.742 | 0.279 | 72.011 | 34.2488 | 0.7858 | 74.1742 |
| 7/25/2025 | 4:00:00 AM | 33.4683 | 40.6254 | 7.1571 | 45.5129 | 33.7461 | 0.2778 | 72.0122 | 34.2499 | 0.7816 | 74.1784 |
| 7/25/2025 | 5:00:00 AM | 33.4657 | 40.6223 | 7.1566 | 45.5134 | 33.7461 | 0.2804 | 72.0096 | 34.2495 | 0.7838 | 74.1762 |
| 7/25/2025 | 6:00:00 AM | 33.4673 | 40.6238 | 7.1565 | 45.5135 | 33.7444 | 0.2771 | 72.0129 | 34.2485 | 0.7812 | 74.1788 |
| 7/25/2025 | 7:00:00 AM | 33.4689 | 40.6243 | 7.1554 | 45.5146 | 33.7481 | 0.2792 | 72.0108 | 34.2498 | 0.7809 | 74.1791 |
| 7/25/2025 | 8:00:00 AM | 33.4772 | 40.6306 | 7.1534 | 45.5166 | 33.7588 | 0.2816 | 72.0084 | 34.2506 | 0.7734 | 74.1866 |
| 7/25/2025 | 9:00:00 AM | 33.4834 | 40.6339 | 7.1505 | 45.5195 | 33.7638 | 0.2804 | 72.0096 | 34.2511 | 0.7677 | 74.1923 |
| 7/25/2025 | 10:00:00 AM | 33.4891 | 40.6362 | 7.1471 | 45.5229 | 33.7694 | 0.2803 | 72.0097 | 34.2513 | 0.7622 | 74.1978 |
| 7/25/2025 | 11:00:00 AM | 33.4886 | 40.6341 | 7.1455 | 45.5245 | 33.7679 | 0.2793 | 72.0107 | 34.251 | 0.7624 | 74.1976 |
| 7/25/2025 | 12:00:00 PM | 33.4849 | 40.6283 | 7.1434 | 45.5266 | 33.7598 | 0.2749 | 72.0151 | 34.2484 | 0.7635 | 74.1965 |
| 7/25/2025 | 1:00:00 PM | 33.4831 | 40.6268 | 7.1437 | 45.5263 | 33.7595 | 0.2764 | 72.0136 | 34.249 | 0.7659 | 74.1941 |
| 7/25/2025 | 2:00:00 PM | 33.4812 | 40.6241 | 7.1429 | 45.5271 | 33.7584 | 0.2772 | 72.0128 | 34.2496 | 0.7684 | 74.1916 |
| 7/25/2025 | 3:00:00 PM | 33.4771 | 40.6205 | 7.1434 | 45.5266 | 33.7509 | 0.2738 | 72.0162 | 34.2482 | 0.7711 | 74.1889 |
| 7/25/2025 | 4:00:00 PM | 33.4567 | 40.6038 | 7.1471 | 45.5229 | 33.7278 | 0.2711 | 72.0189 | 34.2461 | 0.7894 | 74.1706 |
| 7/25/2025 | 5:00:00 PM | 33.4282 | 40.5833 | 7.1551 | 45.5149 | 33.7006 | 0.2724 | 72.0176 | 34.2432 | 0.815 | 74.145 |
| 7/25/2025 | 6:00:00 PM | 33.4119 | 40.5727 | 7.1608 | 45.5092 | 33.6843 | 0.2724 | 72.0176 | 34.2415 | 0.8296 | 74.1304 |
| 7/25/2025 | 7:00:00 PM | 33.4012 | 40.5679 | 7.1667 | 45.5033 | 33.6724 | 0.2712 | 72.0188 | 34.2419 | 0.8407 | 74.1193 |
| 7/25/2025 | 8:00:00 PM | 33.3935 | 40.5665 | 7.173 | 45.497 | 33.6649 | 0.2714 | 72.0186 | 34.2413 | 0.8478 | 74.1122 |
| 7/25/2025 | 9:00:00 PM | 33.394 | 40.5711 | 7.1771 | 45.4929 | 33.6669 | 0.2729 | 72.0171 | 34.243 | 0.849 | 74.111 |
| 7/25/2025 | 10:00:00 PM | 33.4007 | 40.5818 | 7.1811 | 45.4889 | 33.6759 | 0.2752 | 72.0148 | 34.2453 | 0.8446 | 74.1154 |
| 7/25/2025 | 11:00:00 PM | 33.401 | 40.5835 | 7.1825 | 45.4875 | 33.6728 | 0.2718 | 72.0182 | 34.2436 | 0.8426 | 74.1174 |
| 7/26/2025 | 12:00:00 AM | 33.3961 | 40.5829 | 7.1868 | 45.4832 | 33.6714 | 0.2753 | 72.0147 | 34.2443 | 0.8482 | 74.1118 |
| 7/26/2025 | 1:00:00 AM | 33.3967 | 40.5873 | 7.1906 | 45.4794 | 33.6742 | 0.2775 | 72.0125 | 34.2434 | 0.8467 | 74.1133 |
| 7/26/2025 | 2:00:00 AM | 33.3976 | 40.5898 | 7.1922 | 45.4778 | 33.6739 | 0.2763 | 72.0137 | 34.2432 | 0.8456 | 74.1144 |
| 7/26/2025 | 3:00:00 AM | 33.3919 | 40.587 | 7.1951 | 45.4749 | 33.6702 | 0.2783 | 72.0117 | 34.2435 | 0.8516 | 74.1084 |
| 7/26/2025 | 4:00:00 AM | 33.3811 | 40.5804 | 7.1993 | 45.4707 | 33.6584 | 0.2773 | 72.0127 | 34.2417 | 0.8606 | 74.0994 |
| 7/26/2025 | 5:00:00 AM | 33.3851 | 40.5872 | 7.2021 | 45.4679 | 33.668 | 0.2829 | 72.0071 | 34.2433 | 0.8582 | 74.1018 |
| 7/26/2025 | 6:00:00 AM | 33.392 | 40.5944 | 7.2024 | 45.4676 | 33.672 | 0.28 | 72.01 | 34.2433 | 0.8513 | 74.1087 |
| 7/26/2025 | 7:00:00 AM | 33.3976 | 40.6008 | 7.2032 | 45.4668 | 33.6794 | 0.2818 | 72.0082 | 34.2449 | 0.8473 | 74.1127 |
| 7/26/2025 | 8:00:00 AM | 33.407 | 40.607 | 7.2 | 45.47 | 33.6879 | 0.2809 | 72.0091 | 34.2456 | 0.8386 | 74.1214 |
| 7/26/2025 | 9:00:00 AM | 33.4157 | 40.6145 | 7.1988 | 45.4712 | 33.698 | 0.2823 | 72.0077 | 34.245 | 0.8293 | 74.1307 |
| 7/26/2025 | 10:00:00 AM | 33.417 | 40.6125 | 7.1955 | 45.4745 | 33.6957 | 0.2787 | 72.0113 | 34.2456 | 0.8286 | 74.1314 |
| 7/26/2025 | 11:00:00 AM | 33.4249 | 40.6174 | 7.1925 | 45.4775 | 33.7078 | 0.2829 | 72.0071 | 34.2464 | 0.8215 | 74.1385 |

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| 7/26/2025 | 12:00:00 PM | 33.4264 | 40.6147 | 7.1883 | 45.4817 | 33.7044 | 0.278 | 72.012 | 34.245 | 0.8186 | 74.1414 |
| 7/26/2025 | 1:00:00 PM | 33.417 | 40.6065 | 7.1895 | 45.4805 | 33.6946 | 0.2776 | 72.0124 | 34.2433 | 0.8263 | 74.1337 |
| 7/26/2025 | 2:00:00 PM | 33.4113 | 40.6007 | 7.1894 | 45.4806 | 33.6858 | 0.2745 | 72.0155 | 34.2423 | 0.831 | 74.129 |
| 7/26/2025 | 3:00:00 PM | 33.4 | 40.5904 | 7.1904 | 45.4796 | 33.676 | 0.276 | 72.014 | 34.2405 | 0.8405 | 74.1195 |
| 7/26/2025 | 4:00:00 PM | 33.3897 | 40.5812 | 7.1915 | 45.4785 | 33.6651 | 0.2754 | 72.0146 | 34.2383 | 0.8486 | 74.1114 |
| 7/26/2025 | 5:00:00 PM | 33.3835 | 40.5798 | 7.1963 | 45.4737 | 33.6577 | 0.2742 | 72.0158 | 34.2396 | 0.8561 | 74.1039 |
| 7/26/2025 | 6:00:00 PM | 33.3794 | 40.5772 | 7.1978 | 45.4722 | 33.6542 | 0.2748 | 72.0152 | 34.238 | 0.8586 | 74.1014 |
| 7/26/2025 | 7:00:00 PM | 33.3872 | 40.5837 | 7.1965 | 45.4735 | 33.6624 | 0.2752 | 72.0148 | 34.2395 | 0.8523 | 74.1077 |
| 7/26/2025 | 8:00:00 PM | 33.3959 | 40.5924 | 7.1965 | 45.4735 | 33.6713 | 0.2754 | 72.0146 | 34.2418 | 0.8459 | 74.1141 |
| 7/26/2025 | 9:00:00 PM | 33.4098 | 40.6037 | 7.1939 | 45.4761 | 33.6836 | 0.2738 | 72.0162 | 34.2434 | 0.8336 | 74.1264 |
| 7/26/2025 | 10:00:00 PM | 33.422 | 40.6135 | 7.1915 | 45.4785 | 33.6986 | 0.2766 | 72.0134 | 34.2442 | 0.8222 | 74.1378 |
| 7/26/2025 | 11:00:00 PM | 33.427 | 40.6145 | 7.1875 | 45.4825 | 33.7008 | 0.2738 | 72.0162 | 34.243 | 0.816 | 74.144 |
| 7/27/2025 | 12:00:00 AM | 33.4316 | 40.6181 | 7.1865 | 45.4835 | 33.7076 | 0.276 | 72.014 | 34.2427 | 0.8111 | 74.1489 |
| 7/27/2025 | 1:00:00 AM | 33.4339 | 40.6169 | 7.183 | 45.487 | 33.7076 | 0.2737 | 72.0163 | 34.2427 | 0.8088 | 74.1512 |
| 7/27/2025 | 2:00:00 AM | 33.4306 | 40.6122 | 7.1816 | 45.4884 | 33.7056 | 0.275 | 72.015 | 34.2407 | 0.8101 | 74.1499 |
| 7/27/2025 | 3:00:00 AM | 33.4356 | 40.6169 | 7.1813 | 45.4887 | 33.7134 | 0.2778 | 72.0122 | 34.2424 | 0.8068 | 74.1532 |
| 7/27/2025 | 4:00:00 AM | 33.4402 | 40.6194 | 7.1792 | 45.4908 | 33.7166 | 0.2764 | 72.0136 | 34.2412 | 0.801 | 74.159 |
| 7/27/2025 | 5:00:00 AM | 33.4426 | 40.6199 | 7.1773 | 45.4927 | 33.7198 | 0.2772 | 72.0128 | 34.2418 | 0.7992 | 74.1608 |
| 7/27/2025 | 6:00:00 AM | 33.4507 | 40.6247 | 7.174 | 45.496 | 33.728 | 0.2773 | 72.0127 | 34.2428 | 0.7921 | 74.1679 |
| 7/27/2025 | 7:00:00 AM | 33.4586 | 40.6282 | 7.1696 | 45.5004 | 33.739 | 0.2804 | 72.0096 | 34.2427 | 0.7841 | 74.1759 |
| 7/27/2025 | 8:00:00 AM | 33.4719 | 40.6383 | 7.1664 | 45.5036 | 33.7506 | 0.2787 | 72.0113 | 34.2447 | 0.7728 | 74.1872 |
| 7/27/2025 | 9:00:00 AM | 33.4773 | 40.6378 | 7.1605 | 45.5095 | 33.7547 | 0.2774 | 72.0126 | 34.2439 | 0.7666 | 74.1934 |
| 7/27/2025 | 10:00:00 AM | 33.4708 | 40.6287 | 7.1579 | 45.5121 | 33.7464 | 0.2756 | 72.0144 | 34.2419 | 0.7711 | 74.1889 |
| 7/27/2025 | 11:00:00 AM | 33.4703 | 40.6236 | 7.1533 | 45.5167 | 33.7446 | 0.2743 | 72.0157 | 34.2406 | 0.7703 | 74.1897 |
| 7/27/2025 | 12:00:00 PM | 33.46 | 40.6108 | 7.1508 | 45.5192 | 33.7339 | 0.2739 | 72.0161 | 34.2376 | 0.7776 | 74.1824 |
| 7/27/2025 | 1:00:00 PM | 33.4596 | 40.6093 | 7.1497 | 45.5203 | 33.7313 | 0.2717 | 72.0183 | 34.2379 | 0.7783 | 74.1817 |
| 7/27/2025 | 2:00:00 PM | 33.463 | 40.6087 | 7.1457 | 45.5243 | 33.7326 | 0.2696 | 72.0204 | 34.2379 | 0.7749 | 74.1851 |
| 7/27/2025 | 3:00:00 PM | 33.452 | 40.5989 | 7.1469 | 45.5231 | 33.7211 | 0.2691 | 72.0209 | 34.2366 | 0.7846 | 74.1754 |
| 7/27/2025 | 4:00:00 PM | 33.4484 | 40.5935 | 7.1451 | 45.5249 | 33.714 | 0.2656 | 72.0244 | 34.2348 | 0.7864 | 74.1736 |
| 7/27/2025 | 5:00:00 PM | 33.4435 | 40.588 | 7.1445 | 45.5255 | 33.7122 | 0.2687 | 72.0213 | 34.2362 | 0.7927 | 74.1673 |
| 7/27/2025 | 6:00:00 PM | 33.4421 | 40.5842 | 7.1421 | 45.5279 | 33.706 | 0.2639 | 72.0261 | 34.2351 | 0.793 | 74.167 |
| 7/27/2025 | 7:00:00 PM | 33.4475 | 40.5907 | 7.1432 | 45.5268 | 33.7154 | 0.2679 | 72.0221 | 34.2361 | 0.7886 | 74.1714 |
| 7/27/2025 | 8:00:00 PM | 33.4629 | 40.6029 | 7.14 | 45.53 | 33.729 | 0.2661 | 72.0239 | 34.2389 | 0.776 | 74.184 |
| 7/27/2025 | 9:00:00 PM | 33.4858 | 40.6215 | 7.1357 | 45.5343 | 33.7527 | 0.2669 | 72.0231 | 34.2416 | 0.7558 | 74.2042 |
| 7/27/2025 | 10:00:00 PM | 33.5004 | 40.6285 | 7.1281 | 45.5419 | 33.7626 | 0.2622 | 72.0278 | 34.2421 | 0.7417 | 74.2183 |
| 7/27/2025 | 11:00:00 PM | 33.5056 | 40.6305 | 7.1249 | 45.5451 | 33.7713 | 0.2657 | 72.0243 | 34.2419 | 0.7363 | 74.2237 |
| 7/28/2025 | 12:00:00 AM | 33.5179 | 40.6388 | 7.1209 | 45.5491 | 33.7839 | 0.266 | 72.024 | 34.2427 | 0.7248 | 74.2352 |
| 7/28/2025 | 1:00:00 AM | 33.5288 | 40.6426 | 7.1138 | 45.5562 | 33.7901 | 0.2613 | 72.0287 | 34.2426 | 0.7138 | 74.2462 |
| 7/28/2025 | 2:00:00 AM | 33.5387 | 40.6474 | 7.1087 | 45.5613 | 33.8027 | 0.264 | 72.026 | 34.2423 | 0.7036 | 74.2564 |
| 7/28/2025 | 3:00:00 AM | 33.5533 | 40.6555 | 7.1022 | 45.5678 | 33.8166 | 0.2633 | 72.0267 | 34.2444 | 0.6911 | 74.2689 |
| 7/28/2025 | 4:00:00 AM | 33.5597 | 40.6554 | 7.0957 | 45.5743 | 33.8213 | 0.2616 | 72.0284 | 34.2447 | 0.685 | 74.275 |
| 7/28/2025 | 5:00:00 AM | 33.5646 | 40.6588 | 7.0942 | 45.5758 | 33.8273 | 0.2627 | 72.0273 | 34.2444 | 0.6798 | 74.2802 |
| 7/28/2025 | 6:00:00 AM | 33.5681 | 40.6561 | 7.088 | 45.582 | 33.8314 | 0.2633 | 72.0267 | 34.2436 | 0.6755 | 74.2845 |
| 7/28/2025 | 7:00:00 AM | 33.5842 | 40.6643 | 7.0801 | 45.5899 | 33.8426 | 0.2584 | 72.0316 | 34.2464 | 0.6622 | 74.2978 |
| 7/28/2025 | 8:00:00 AM | 33.5983 | 40.6724 | 7.0741 | 45.5959 | 33.8598 | 0.2615 | 72.0285 | 34.2476 | 0.6493 | 74.3107 |
| 7/28/2025 | 9:00:00 AM | 33.6017 | 40.6693 | 7.0676 | 45.6024 | 33.8586 | 0.2569 | 72.0331 | 34.2454 | 0.6437 | 74.3163 |
| 7/28/2025 | 10:00:00 AM | 33.5952 | 40.6607 | 7.0655 | 45.6045 | 33.8514 | 0.2562 | 72.0338 | 34.2438 | 0.6486 | 74.3114 |
| 7/28/2025 | 11:00:00 AM | 33.5942 | 40.655 | 7.0608 | 45.6092 | 33.848 | 0.2538 | 72.0362 | 34.2432 | 0.649 | 74.311 |
| 7/28/2025 | 12:00:00 PM | 33.5912 | 40.6462 | 7.055 | 45.615 | 33.8404 | 0.2492 | 72.0408 | 34.2422 | 0.651 | 74.309 |
| 7/28/2025 | 1:00:00 PM | 33.5843 | 40.6373 | 7.053 | 45.617 | 33.8338 | 0.2495 | 72.0405 | 34.2406 | 0.6563 | 74.3037 |
| 7/28/2025 | 2:00:00 PM | 33.5852 | 40.6335 | 7.0483 | 45.6217 | 33.8304 | 0.2452 | 72.0448 | 34.2404 | 0.6552 | 74.3048 |
| 7/28/2025 | 3:00:00 PM | 33.5775 | 40.6246 | 7.0471 | 45.6229 | 33.8188 | 0.2413 | 72.0487 | 34.2387 | 0.6612 | 74.2988 |
| 7/28/2025 | 4:00:00 PM | 33.5711 | 40.6151 | 7.044 | 45.626 | 33.811 | 0.2399 | 72.0501 | 34.2374 | 0.6663 | 74.2937 |
| 7/28/2025 | 5:00:00 PM | 33.5663 | 40.6109 | 7.0446 | 45.6254 | 33.8044 | 0.2381 | 72.0519 | 34.2371 | 0.6708 | 74.2892 |
| 7/28/2025 | 6:00:00 PM | 33.5612 | 40.6059 | 7.0447 | 45.6253 | 33.7945 | 0.2333 | 72.0567 | 34.2372 | 0.676 | 74.284 |
| 7/28/2025 | 7:00:00 PM | 33.5608 | 40.6066 | 7.0458 | 45.6242 | 33.7957 | 0.2349 | 72.0551 | 34.2374 | 0.6766 | 74.2834 |
| 7/28/2025 | 8:00:00 PM | 33.5667 | 40.61 | 7.0433 | 45.6267 | 33.7987 | 0.232 | 72.058 | 34.239 | 0.6723 | 74.2877 |
| 7/28/2025 | 9:00:00 PM | 33.5791 | 40.6214 | 7.0423 | 45.6277 | 33.8112 | 0.2321 | 72.0579 | 34.2412 | 0.6621 | 74.2979 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/28/2025 | 10:00:00 PM | 33.5944 | 40.6327 | 7.0383 | 45.6317 | 33.8253 | 0.2309 | 72.0591 | 34.2422 | 0.6478 | 74.3122 |
| 7/28/2025 | 11:00:00 PM | 33.5981 | 40.6323 | 7.0342 | 45.6358 | 33.8261 | 0.228 | 72.062 | 34.2432 | 0.6451 | 74.3149 |
| 7/29/2025 | 12:00:00 AM | 33.6039 | 40.6374 | 7.0335 | 45.6365 | 33.8332 | 0.2293 | 72.0607 | 34.2426 | 0.6387 | 74.3213 |
| 7/29/2025 | 1:00:00 AM | 33.6123 | 40.6399 | 7.0276 | 45.6424 | 33.8386 | 0.2263 | 72.0637 | 34.2441 | 0.6318 | 74.3282 |
| 7/29/2025 | 2:00:00 AM | 33.6149 | 40.6425 | 7.0276 | 45.6424 | 33.8449 | 0.23 | 72.06 | 34.2433 | 0.6284 | 74.3316 |
| 7/29/2025 | 3:00:00 AM | 33.6302 | 40.6526 | 7.0224 | 45.6476 | 33.8564 | 0.2262 | 72.0638 | 34.2458 | 0.6156 | 74.3444 |
| 7/29/2025 | 4:00:00 AM | 33.6307 | 40.6489 | 7.0182 | 45.6518 | 33.8533 | 0.2226 | 72.0674 | 34.2434 | 0.6127 | 74.3473 |
| 7/29/2025 | 5:00:00 AM | 33.6301 | 40.6475 | 7.0174 | 45.6526 | 33.8569 | 0.2268 | 72.0632 | 34.2445 | 0.6144 | 74.3456 |
| 7/29/2025 | 6:00:00 AM | 33.6414 | 40.6569 | 7.0155 | 45.6545 | 33.866 | 0.2246 | 72.0654 | 34.2465 | 0.6051 | 74.3549 |
| 7/29/2025 | 7:00:00 AM | 33.6482 | 40.658 | 7.0098 | 45.6602 | 33.8739 | 0.2257 | 72.0643 | 34.2471 | 0.5989 | 74.3611 |
| 7/29/2025 | 8:00:00 AM | 33.6501 | 40.6553 | 7.0052 | 45.6648 | 33.8694 | 0.2193 | 72.0707 | 34.2468 | 0.5967 | 74.3633 |
| 7/29/2025 | 9:00:00 AM | 33.6439 | 40.6486 | 7.0047 | 45.6653 | 33.8624 | 0.2185 | 72.0715 | 34.2454 | 0.6015 | 74.3585 |
| 7/29/2025 | 10:00:00 AM | 33.6332 | 40.6374 | 7.0042 | 45.6658 | 33.8513 | 0.2181 | 72.0719 | 34.2435 | 0.6103 | 74.3497 |
| 7/29/2025 | 11:00:00 AM | 33.6225 | 40.6271 | 7.0046 | 45.6654 | 33.8403 | 0.2178 | 72.0722 | 34.2425 | 0.62 | 74.34 |
| 7/29/2025 | 12:00:00 PM | 33.6103 | 40.6162 | 7.0059 | 45.6641 | 33.8254 | 0.2151 | 72.0749 | 34.2407 | 0.6304 | 74.3296 |
| 7/29/2025 | 1:00:00 PM | 33.5993 | 40.6058 | 7.0065 | 45.6635 | 33.808 | 0.2087 | 72.0813 | 34.2387 | 0.6394 | 74.3206 |
| 7/29/2025 | 2:00:00 PM | 33.5869 | 40.595 | 7.0081 | 45.6619 | 33.7938 | 0.2069 | 72.0831 | 34.2377 | 0.6508 | 74.3092 |
| 7/29/2025 | 3:00:00 PM | 33.5719 | 40.5848 | 7.0129 | 45.6571 | 33.779 | 0.2071 | 72.0829 | 34.2368 | 0.6649 | 74.2951 |
| 7/29/2025 | 4:00:00 PM | 33.5569 | 40.5722 | 7.0153 | 45.6547 | 33.7577 | 0.2008 | 72.0892 | 34.2349 | 0.678 | 74.282 |
| 7/29/2025 | 5:00:00 PM | 33.5483 | 40.5673 | 7.019 | 45.651 | 33.7501 | 0.2018 | 72.0882 | 34.2347 | 0.6864 | 74.2736 |
| 7/29/2025 | 6:00:00 PM | 33.5356 | 40.5588 | 7.0232 | 45.6468 | 33.7353 | 0.1997 | 72.0903 | 34.2342 | 0.6986 | 74.2614 |
| 7/29/2025 | 7:00:00 PM | 33.5351 | 40.5635 | 7.0284 | 45.6416 | 33.7357 | 0.2006 | 72.0894 | 34.2353 | 0.7002 | 74.2598 |
| 7/29/2025 | 8:00:00 PM | 33.54 | 40.5699 | 7.0299 | 45.6401 | 33.7379 | 0.1979 | 72.0921 | 34.2371 | 0.6971 | 74.2629 |
| 7/29/2025 | 9:00:00 PM | 33.5442 | 40.5769 | 7.0327 | 45.6373 | 33.7433 | 0.1991 | 72.0909 | 34.2397 | 0.6955 | 74.2645 |
| 7/29/2025 | 10:00:00 PM | 33.5529 | 40.5871 | 7.0342 | 45.6358 | 33.7512 | 0.1983 | 72.0917 | 34.2407 | 0.6878 | 74.2722 |
| 7/29/2025 | 11:00:00 PM | 33.5655 | 40.5979 | 7.0324 | 45.6376 | 33.7633 | 0.1978 | 72.0922 | 34.2432 | 0.6777 | 74.2823 |
| 7/30/2025 | 12:00:00 AM | 33.5615 | 40.5961 | 7.0346 | 45.6354 | 33.7605 | 0.199 | 72.091 | 34.242 | 0.6805 | 74.2795 |
| 7/30/2025 | 1:00:00 AM | 33.5642 | 40.599 | 7.0348 | 45.6352 | 33.7597 | 0.1955 | 72.0945 | 34.243 | 0.6788 | 74.2812 |
| 7/30/2025 | 2:00:00 AM | 33.5484 | 40.5872 | 7.0388 | 45.6312 | 33.7508 | 0.2024 | 72.0876 | 34.2395 | 0.6911 | 74.2689 |
| 7/30/2025 | 3:00:00 AM | 33.5567 | 40.5959 | 7.0392 | 45.6308 | 33.7537 | 0.197 | 72.093 | 34.2419 | 0.6852 | 74.2748 |
| 7/30/2025 | 4:00:00 AM | 33.5553 | 40.5943 | 7.039 | 45.631 | 33.7539 | 0.1986 | 72.0914 | 34.2423 | 0.687 | 74.273 |
| 7/30/2025 | 5:00:00 AM | 33.56 | 40.6015 | 7.0415 | 45.6285 | 33.7594 | 0.1994 | 72.0906 | 34.2429 | 0.6829 | 74.2771 |
| 7/30/2025 | 6:00:00 AM | 33.5622 | 40.6036 | 7.0414 | 45.6286 | 33.7583 | 0.1961 | 72.0939 | 34.2434 | 0.6812 | 74.2788 |
| 7/30/2025 | 7:00:00 AM | 33.5559 | 40.5979 | 7.042 | 45.628 | 33.7561 | 0.2002 | 72.0898 | 34.242 | 0.6861 | 74.2739 |
| 7/30/2025 | 8:00:00 AM | 33.5632 | 40.6057 | 7.0425 | 45.6275 | 33.7636 | 0.2004 | 72.0896 | 34.2449 | 0.6817 | 74.2783 |
| 7/30/2025 | 9:00:00 AM | 33.5647 | 40.6069 | 7.0422 | 45.6278 | 33.7615 | 0.1968 | 72.0932 | 34.2453 | 0.6806 | 74.2794 |
| 7/30/2025 | 10:00:00 AM | 33.5517 | 40.5945 | 7.0428 | 45.6272 | 33.7476 | 0.1959 | 72.0941 | 34.2433 | 0.6916 | 74.2684 |
| 7/30/2025 | 11:00:00 AM | 33.5347 | 40.5814 | 7.0467 | 45.6233 | 33.7295 | 0.1948 | 72.0952 | 34.2414 | 0.7067 | 74.2533 |
| 7/30/2025 | 12:00:00 PM | 33.5241 | 40.575 | 7.0509 | 45.6191 | 33.7216 | 0.1975 | 72.0925 | 34.2422 | 0.7181 | 74.2419 |
| 7/30/2025 | 1:00:00 PM | 33.496 | 40.5514 | 7.0554 | 45.6146 | 33.687 | 0.191 | 72.099 | 34.2379 | 0.7419 | 74.2181 |
| 7/30/2025 | 2:00:00 PM | 33.4851 | 40.5449 | 7.0598 | 45.6102 | 33.6747 | 0.1896 | 72.1004 | 34.2366 | 0.7515 | 74.2085 |
| 7/30/2025 | 3:00:00 PM | 33.4666 | 40.5336 | 7.067 | 45.603 | 33.6573 | 0.1907 | 72.0993 | 34.2361 | 0.7695 | 74.1905 |
| 7/30/2025 | 4:00:00 PM | 33.4549 | 40.5276 | 7.0727 | 45.5973 | 33.646 | 0.1911 | 72.0989 | 34.236 | 0.7811 | 74.1789 |
| 7/30/2025 | 5:00:00 PM | 33.4621 | 40.5382 | 7.0761 | 45.5939 | 33.6531 | 0.191 | 72.099 | 34.2371 | 0.775 | 74.185 |
| 7/30/2025 | 6:00:00 PM | 33.4701 | 40.5474 | 7.0773 | 45.5927 | 33.6594 | 0.1893 | 72.1007 | 34.2395 | 0.7694 | 74.1906 |
| 7/30/2025 | 7:00:00 PM | 33.4695 | 40.5507 | 7.0812 | 45.5888 | 33.6599 | 0.1904 | 72.0996 | 34.24 | 0.7705 | 74.1895 |
| 7/30/2025 | 8:00:00 PM | 33.4636 | 40.547 | 7.0834 | 45.5866 | 33.6541 | 0.1905 | 72.0995 | 34.2389 | 0.7753 | 74.1847 |
| 7/30/2025 | 9:00:00 PM | 33.4722 | 40.5588 | 7.0866 | 45.5834 | 33.6668 | 0.1946 | 72.0954 | 34.2416 | 0.7694 | 74.1906 |
| 7/30/2025 | 10:00:00 PM | 33.4839 | 40.5705 | 7.0866 | 45.5834 | 33.6761 | 0.1922 | 72.0978 | 34.2431 | 0.7592 | 74.2008 |
| 7/30/2025 | 11:00:00 PM | 33.4811 | 40.5683 | 7.0872 | 45.5828 | 33.6756 | 0.1945 | 72.0955 | 34.2433 | 0.7622 | 74.1978 |
| 7/31/2025 | 12:00:00 AM | 33.4827 | 40.5695 | 7.0868 | 45.5832 | 33.6759 | 0.1932 | 72.0968 | 34.2424 | 0.7597 | 74.2003 |
| 7/31/2025 | 1:00:00 AM | 33.4819 | 40.5687 | 7.0868 | 45.5832 | 33.6701 | 0.1882 | 72.1018 | 34.242 | 0.7601 | 74.1999 |
| 7/31/2025 | 2:00:00 AM | 33.4705 | 40.5615 | 7.091 | 45.579 | 33.664 | 0.1935 | 72.0965 | 34.2408 | 0.7703 | 74.1897 |
| 7/31/2025 | 3:00:00 AM | 33.4717 | 40.5658 | 7.0941 | 45.5759 | 33.6675 | 0.1958 | 72.0942 | 34.2417 | 0.77 | 74.19 |
| 7/31/2025 | 4:00:00 AM | 33.4721 | 40.5667 | 7.0946 | 45.5754 | 33.6664 | 0.1943 | 72.0957 | 34.2413 | 0.7692 | 74.1908 |
| 7/31/2025 | 5:00:00 AM | 33.4745 | 40.5682 | 7.0937 | 45.5763 | 33.6711 | 0.1966 | 72.0934 | 34.243 | 0.7685 | 74.1915 |
| 7/31/2025 | 6:00:00 AM | 33.4868 | 40.5795 | 7.0927 | 45.5773 | 33.6877 | 0.2009 | 72.0891 | 34.244 | 0.7572 | 74.2028 |
| 7/31/2025 | 7:00:00 AM | 33.4987 | 40.5881 | 7.0894 | 45.5806 | 33.6974 | 0.1987 | 72.0913 | 34.246 | 0.7473 | 74.2127 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/31/2025 | 8:00:00 AM | 33.5159 | 40.6021 | 7.0862 | 45.5838 | 33.7142 | 0.1983 | 72.0917 | 34.2492 | 0.7333 | 74.2267 |
| 7/31/2025 | 9:00:00 AM | 33.5183 | 40.6019 | 7.0836 | 45.5864 | 33.7098 | 0.1915 | 72.0985 | 34.2484 | 0.7301 | 74.2299 |
| 7/31/2025 | 10:00:00 AM | 33.5135 | 40.5955 | 7.082 | 45.588 | 33.7107 | 0.1972 | 72.0928 | 34.248 | 0.7345 | 74.2255 |
| 7/31/2025 | 11:00:00 AM | 33.5144 | 40.5947 | 7.0803 | 45.5897 | 33.7102 | 0.1958 | 72.0942 | 34.2476 | 0.7332 | 74.2268 |
| 7/31/2025 | 12:00:00 PM | 33.5052 | 40.5838 | 7.0786 | 45.5914 | 33.6969 | 0.1917 | 72.0983 | 34.2451 | 0.7399 | 74.2201 |
| 7/31/2025 | 1:00:00 PM | 33.5039 | 40.582 | 7.0781 | 45.5919 | 33.6991 | 0.1952 | 72.0948 | 34.246 | 0.7421 | 74.2179 |
| 7/31/2025 | 2:00:00 PM | 33.5079 | 40.5861 | 7.0782 | 45.5918 | 33.7 | 0.1921 | 72.0979 | 34.2462 | 0.7383 | 74.2217 |
| 7/31/2025 | 3:00:00 PM | 33.5078 | 40.585 | 7.0772 | 45.5928 | 33.7024 | 0.1946 | 72.0954 | 34.2469 | 0.7391 | 74.2209 |
| 7/31/2025 | 4:00:00 PM | 33.4989 | 40.5745 | 7.0756 | 45.5944 | 33.6878 | 0.1889 | 72.1011 | 34.2447 | 0.7458 | 74.2142 |
| 7/31/2025 | 5:00:00 PM | 33.5017 | 40.5757 | 7.074 | 45.596 | 33.6893 | 0.1876 | 72.1024 | 34.2464 | 0.7447 | 74.2153 |
| 7/31/2025 | 6:00:00 PM | 33.4811 | 40.5586 | 7.0775 | 45.5925 | 33.6692 | 0.1881 | 72.1019 | 34.2428 | 0.7617 | 74.1983 |
| 7/31/2025 | 7:00:00 PM | 33.4799 | 40.5615 | 7.0816 | 45.5884 | 33.6701 | 0.1902 | 72.0998 | 34.2433 | 0.7634 | 74.1966 |
| 7/31/2025 | 8:00:00 PM | 33.4901 | 40.5718 | 7.0817 | 45.5883 | 33.6835 | 0.1934 | 72.0966 | 34.2458 | 0.7557 | 74.2043 |
| 7/31/2025 | 9:00:00 PM | 33.5178 | 40.5932 | 7.0754 | 45.5946 | 33.7069 | 0.1891 | 72.1009 | 34.2505 | 0.7327 | 74.2273 |
| 7/31/2025 | 10:00:00 PM | 33.5379 | 40.6085 | 7.0706 | 45.5994 | 33.7319 | 0.194 | 72.096 | 34.2532 | 0.7153 | 74.2447 |
| 7/31/2025 | 11:00:00 PM | 33.5396 | 40.6072 | 7.0676 | 45.6024 | 33.7288 | 0.1892 | 72.1008 | 34.2518 | 0.7122 | 74.2478 |
| 8/1/2025 | 12:00:00 AM | 33.5396 | 40.6043 | 7.0647 | 45.6053 | 33.7282 | 0.1886 | 72.1014 | 34.2508 | 0.7112 | 74.2488 |
| 8/1/2025 | 1:00:00 AM | 33.5448 | 40.6072 | 7.0624 | 45.6076 | 33.7354 | 0.1906 | 72.0994 | 34.2516 | 0.7068 | 74.2532 |
| 8/1/2025 | 2:00:00 AM | 33.5485 | 40.609 | 7.0605 | 45.6095 | 33.7392 | 0.1907 | 72.0993 | 34.2518 | 0.7033 | 74.2567 |
| 8/1/2025 | 3:00:00 AM | 33.5409 | 40.6004 | 7.0595 | 45.6105 | 33.7321 | 0.1912 | 72.0988 | 34.2504 | 0.7095 | 74.2505 |
| 8/1/2025 | 4:00:00 AM | 33.5524 | 40.6096 | 7.0572 | 45.6128 | 33.7423 | 0.1899 | 72.1001 | 34.2519 | 0.6995 | 74.2605 |
| 8/1/2025 | 5:00:00 AM | 33.5641 | 40.6164 | 7.0523 | 45.6177 | 33.7548 | 0.1907 | 72.0993 | 34.2544 | 0.6903 | 74.2697 |
| 8/1/2025 | 6:00:00 AM | 33.5728 | 40.623 | 7.0502 | 45.6198 | 33.7683 | 0.1955 | 72.0945 | 34.2547 | 0.6819 | 74.2781 |
| 8/1/2025 | 7:00:00 AM | 33.6006 | 40.6431 | 7.0425 | 45.6275 | 33.7918 | 0.1912 | 72.0988 | 34.2588 | 0.6582 | 74.3018 |
| 8/1/2025 | 8:00:00 AM | 33.6164 | 40.6521 | 7.0357 | 45.6343 | 33.808 | 0.1916 | 72.0984 | 34.2592 | 0.6428 | 74.3172 |
| 8/1/2025 | 9:00:00 AM | 33.6226 | 40.6508 | 7.0282 | 45.6418 | 33.812 | 0.1894 | 72.1006 | 34.2599 | 0.6373 | 74.3227 |
| 8/1/2025 | 10:00:00 AM | 33.6288 | 40.6518 | 7.023 | 45.647 | 33.8164 | 0.1876 | 72.1024 | 34.2601 | 0.6313 | 74.3287 |
| 8/1/2025 | 11:00:00 AM | 33.6313 | 40.6502 | 7.0189 | 45.6511 | 33.8183 | 0.187 | 72.103 | 34.2596 | 0.6283 | 74.3317 |
| 8/1/2025 | 12:00:00 PM | 33.6331 | 40.6453 | 7.0122 | 45.6578 | 33.8159 | 0.1828 | 72.1072 | 34.2593 | 0.6262 | 74.3338 |
| 8/1/2025 | 1:00:00 PM | 33.6304 | 40.6409 | 7.0105 | 45.6595 | 33.8166 | 0.1862 | 72.1038 | 34.2579 | 0.6275 | 74.3325 |
| 8/1/2025 | 2:00:00 PM | 33.6259 | 40.6328 | 7.0069 | 45.6631 | 33.8062 | 0.1803 | 72.1097 | 34.2574 | 0.6315 | 74.3285 |
| 8/1/2025 | 3:00:00 PM | 33.622 | 40.6269 | 7.0049 | 45.6651 | 33.8006 | 0.1786 | 72.1114 | 34.256 | 0.634 | 74.326 |
| 8/1/2025 | 4:00:00 PM | 33.6186 | 40.6204 | 7.0018 | 45.6682 | 33.794 | 0.1754 | 72.1146 | 34.2557 | 0.6371 | 74.3229 |
| 8/1/2025 | 5:00:00 PM | 33.6152 | 40.6176 | 7.0024 | 45.6676 | 33.7927 | 0.1775 | 72.1125 | 34.254 | 0.6388 | 74.3212 |
| 8/1/2025 | 6:00:00 PM | 33.6146 | 40.6161 | 7.0015 | 45.6685 | 33.7881 | 0.1735 | 72.1165 | 34.2558 | 0.6412 | 74.3188 |
| 8/1/2025 | 7:00:00 PM | 33.6218 | 40.6225 | 7.0007 | 45.6693 | 33.7983 | 0.1765 | 72.1135 | 34.2581 | 0.6363 | 74.3237 |
| 8/1/2025 | 8:00:00 PM | 33.6397 | 40.6367 | 6.997 | 45.673 | 33.8144 | 0.1747 | 72.1153 | 34.2611 | 0.6214 | 74.3386 |
| 8/1/2025 | 9:00:00 PM | 33.651 | 40.6433 | 6.9923 | 45.6777 | 33.8255 | 0.1745 | 72.1155 | 34.263 | 0.612 | 74.348 |
| 8/1/2025 | 10:00:00 PM | 33.6606 | 40.6482 | 6.9876 | 45.6824 | 33.8315 | 0.1709 | 72.1191 | 34.2637 | 0.6031 | 74.3569 |
| 8/1/2025 | 11:00:00 PM | 33.6631 | 40.6466 | 6.9835 | 45.6865 | 33.835 | 0.1719 | 72.1181 | 34.2631 | 0.6 | 74.36 |
| 8/2/2025 | 12:00:00 AM | 33.6629 | 40.645 | 6.9821 | 45.6879 | 33.8361 | 0.1732 | 72.1168 | 34.2625 | 0.5996 | 74.3604 |
| 8/2/2025 | 1:00:00 AM | 33.6707 | 40.6494 | 6.9787 | 45.6913 | 33.8389 | 0.1682 | 72.1218 | 34.2638 | 0.5931 | 74.3669 |
| 8/2/2025 | 2:00:00 AM | 33.6709 | 40.6471 | 6.9762 | 45.6938 | 33.8379 | 0.167 | 72.123 | 34.2642 | 0.5933 | 74.3667 |
| 8/2/2025 | 3:00:00 AM | 33.6827 | 40.6566 | 6.9739 | 45.6961 | 33.8513 | 0.1686 | 72.1214 | 34.266 | 0.5833 | 74.3767 |
| 8/2/2025 | 4:00:00 AM | 33.6852 | 40.6562 | 6.971 | 45.699 | 33.8517 | 0.1665 | 72.1235 | 34.2656 | 0.5804 | 74.3796 |
| 8/2/2025 | 5:00:00 AM | 33.6883 | 40.6558 | 6.9675 | 45.7025 | 33.8554 | 0.1671 | 72.1229 | 34.2657 | 0.5774 | 74.3826 |
| 8/2/2025 | 6:00:00 AM | 33.6935 | 40.6591 | 6.9656 | 45.7044 | 33.8602 | 0.1667 | 72.1233 | 34.2668 | 0.5733 | 74.3867 |
| 8/2/2025 | 7:00:00 AM | 33.705 | 40.6658 | 6.9608 | 45.7092 | 33.8705 | 0.1655 | 72.1245 | 34.2678 | 0.5628 | 74.3972 |
| 8/2/2025 | 8:00:00 AM | 33.7212 | 40.6766 | 6.9554 | 45.7146 | 33.8875 | 0.1663 | 72.1237 | 34.2705 | 0.5493 | 74.4107 |
| 8/2/2025 | 9:00:00 AM | 33.7267 | 40.6783 | 6.9516 | 45.7184 | 33.894 | 0.1673 | 72.1227 | 34.2715 | 0.5448 | 74.4152 |
| 8/2/2025 | 10:00:00 AM | 33.7311 | 40.6769 | 6.9458 | 45.7242 | 33.8928 | 0.1617 | 72.1283 | 34.2712 | 0.5401 | 74.4199 |
| 8/2/2025 | 11:00:00 AM | 33.7376 | 40.6799 | 6.9423 | 45.7277 | 33.8983 | 0.1607 | 72.1293 | 34.2732 | 0.5356 | 74.4244 |
| 8/2/2025 | 12:00:00 PM | 33.7272 | 40.6699 | 6.9427 | 45.7273 | 33.8859 | 0.1587 | 72.1313 | 34.2718 | 0.5446 | 74.4154 |
| 8/2/2025 | 1:00:00 PM | 33.7325 | 40.6706 | 6.9381 | 45.7319 | 33.888 | 0.1555 | 72.1345 | 34.2718 | 0.5393 | 74.4207 |
| 8/2/2025 | 2:00:00 PM | 33.725 | 40.6629 | 6.9379 | 45.7321 | 33.8794 | 0.1544 | 72.1356 | 34.2712 | 0.5462 | 74.4138 |
| 8/2/2025 | 3:00:00 PM | 33.7235 | 40.662 | 6.9385 | 45.7315 | 33.8778 | 0.1543 | 72.1357 | 34.272 | 0.5485 | 74.4115 |
| 8/2/2025 | 4:00:00 PM | 33.7176 | 40.6549 | 6.9373 | 45.7327 | 33.8685 | 0.1509 | 72.1391 | 34.2707 | 0.5531 | 74.4069 |
| 8/2/2025 | 5:00:00 PM | 33.7044 | 40.6433 | 6.9389 | 45.7311 | 33.8543 | 0.1499 | 72.1401 | 34.27 | 0.5656 | 74.3944 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/2/2025 | 6:00:00 PM | 33.6891 | 40.6311 | 6.942 | 45.728 | 33.8345 | 0.1454 | 72.1446 | 34.2677 | 0.5786 | 74.3814 |
| 8/2/2025 | 7:00:00 PM | 33.674 | 40.6219 | 6.9479 | 45.7221 | 33.821 | 0.147 | 72.143 | 34.2656 | 0.5916 | 74.3684 |
| 8/2/2025 | 8:00:00 PM | 33.6572 | 40.6096 | 6.9524 | 45.7176 | 33.8038 | 0.1466 | 72.1434 | 34.2652 | 0.608 | 74.352 |
| 8/2/2025 | 9:00:00 PM | 33.6615 | 40.6154 | 6.9539 | 45.7161 | 33.8066 | 0.1451 | 72.1449 | 34.2681 | 0.6066 | 74.3534 |
| 8/2/2025 | 10:00:00 PM | 33.661 | 40.619 | 6.958 | 45.712 | 33.8059 | 0.1449 | 72.1451 | 34.269 | 0.608 | 74.352 |
| 8/2/2025 | 11:00:00 PM | 33.6477 | 40.6086 | 6.9609 | 45.7091 | 33.7935 | 0.1458 | 72.1442 | 34.2674 | 0.6197 | 74.3403 |
| 8/3/2025 | 12:00:00 AM | 33.6544 | 40.618 | 6.9636 | 45.7064 | 33.7984 | 0.144 | 72.146 | 34.2706 | 0.6162 | 74.3438 |
| 8/3/2025 | 1:00:00 AM | 33.6512 | 40.6183 | 6.9671 | 45.7029 | 33.7931 | 0.1419 | 72.1481 | 34.2709 | 0.6197 | 74.3403 |
| 8/3/2025 | 2:00:00 AM | 33.6405 | 40.6114 | 6.9709 | 45.6991 | 33.785 | 0.1445 | 72.1455 | 34.2686 | 0.6281 | 74.3319 |
| 8/3/2025 | 3:00:00 AM | 33.6347 | 40.6087 | 6.974 | 45.696 | 33.778 | 0.1433 | 72.1467 | 34.2688 | 0.6341 | 74.3259 |
| 8/3/2025 | 4:00:00 AM | 33.6376 | 40.6144 | 6.9768 | 45.6932 | 33.7833 | 0.1457 | 72.1443 | 34.2707 | 0.6331 | 74.3269 |
| 8/3/2025 | 5:00:00 AM | 33.6364 | 40.6142 | 6.9778 | 45.6922 | 33.7802 | 0.1438 | 72.1462 | 34.2703 | 0.6339 | 74.3261 |
| 8/3/2025 | 6:00:00 AM | 33.6366 | 40.6157 | 6.9791 | 45.6909 | 33.7816 | 0.145 | 72.145 | 34.2712 | 0.6346 | 74.3254 |
| 8/3/2025 | 7:00:00 AM | 33.6316 | 40.6135 | 6.9819 | 45.6881 | 33.7754 | 0.1438 | 72.1462 | 34.2709 | 0.6393 | 74.3207 |
| 8/3/2025 | 8:00:00 AM | 33.6274 | 40.6092 | 6.9818 | 45.6882 | 33.7681 | 0.1407 | 72.1493 | 34.2702 | 0.6428 | 74.3172 |
| 8/3/2025 | 9:00:00 AM | 33.6261 | 40.6093 | 6.9832 | 45.6868 | 33.7654 | 0.1393 | 72.1507 | 34.2705 | 0.6444 | 74.3156 |
| 8/3/2025 | 10:00:00 AM | 33.6229 | 40.6098 | 6.9869 | 45.6831 | 33.7665 | 0.1436 | 72.1464 | 34.2722 | 0.6493 | 74.3107 |
| 8/3/2025 | 11:00:00 AM | 33.6169 | 40.6055 | 6.9886 | 45.6814 | 33.7561 | 0.1392 | 72.1508 | 34.2718 | 0.6549 | 74.3051 |
| 8/3/2025 | 12:00:00 PM | 33.6095 | 40.6008 | 6.9913 | 45.6787 | 33.7515 | 0.142 | 72.148 | 34.2723 | 0.6628 | 74.2972 |
| 8/3/2025 | 1:00:00 PM | 33.6089 | 40.6028 | 6.9939 | 45.6761 | 33.7477 | 0.1388 | 72.1512 | 34.2735 | 0.6646 | 74.2954 |
| 8/3/2025 | 2:00:00 PM | 33.6044 | 40.602 | 6.9976 | 45.6724 | 33.7437 | 0.1393 | 72.1507 | 34.2744 | 0.67 | 74.29 |
| 8/3/2025 | 3:00:00 PM | 33.5993 | 40.6005 | 7.0012 | 45.6688 | 33.7361 | 0.1368 | 72.1532 | 34.2745 | 0.6752 | 74.2848 |
| 8/3/2025 | 4:00:00 PM | 33.5877 | 40.5917 | 7.004 | 45.666 | 33.7226 | 0.1349 | 72.1551 | 34.2734 | 0.6857 | 74.2743 |
| 8/3/2025 | 5:00:00 PM | 33.5752 | 40.586 | 7.0108 | 45.6592 | 33.7102 | 0.135 | 72.155 | 34.2733 | 0.6981 | 74.2619 |
| 8/3/2025 | 6:00:00 PM | 33.5546 | 40.5715 | 7.0169 | 45.6531 | 33.6905 | 0.1359 | 72.1541 | 34.2708 | 0.7162 | 74.2438 |
| 8/3/2025 | 7:00:00 PM | 33.5509 | 40.5718 | 7.0209 | 45.6491 | 33.688 | 0.1371 | 72.1529 | 34.2708 | 0.7199 | 74.2401 |
| 8/3/2025 | 8:00:00 PM | 33.5375 | 40.5659 | 7.0284 | 45.6416 | 33.675 | 0.1375 | 72.1525 | 34.2711 | 0.7336 | 74.2264 |
| 8/3/2025 | 9:00:00 PM | 33.5402 | 40.5718 | 7.0316 | 45.6384 | 33.6781 | 0.1379 | 72.1521 | 34.2729 | 0.7327 | 74.2273 |
| 8/3/2025 | 10:00:00 PM | 33.5354 | 40.5731 | 7.0377 | 45.6323 | 33.6721 | 0.1367 | 72.1533 | 34.2727 | 0.7373 | 74.2227 |
| 8/3/2025 | 11:00:00 PM | 33.5341 | 40.5739 | 7.0398 | 45.6302 | 33.672 | 0.1379 | 72.1521 | 34.2726 | 0.7385 | 74.2215 |
| 8/4/2025 | 12:00:00 AM | 33.5364 | 40.5794 | 7.043 | 45.627 | 33.6747 | 0.1383 | 72.1517 | 34.275 | 0.7386 | 74.2214 |
| 8/4/2025 | 1:00:00 AM | 33.5289 | 40.5759 | 7.047 | 45.623 | 33.6678 | 0.1389 | 72.1511 | 34.2741 | 0.7452 | 74.2148 |
| 8/4/2025 | 2:00:00 AM | 33.5233 | 40.5735 | 7.0502 | 45.6198 | 33.6619 | 0.1386 | 72.1514 | 34.2738 | 0.7505 | 74.2095 |
| 8/4/2025 | 3:00:00 AM | 33.5164 | 40.5715 | 7.0551 | 45.6149 | 33.6564 | 0.14 | 72.15 | 34.2737 | 0.7573 | 74.2027 |
| 8/4/2025 | 4:00:00 AM | 33.5155 | 40.5731 | 7.0576 | 45.6124 | 33.6574 | 0.1419 | 72.1481 | 34.2734 | 0.7579 | 74.2021 |
| 8/4/2025 | 5:00:00 AM | 33.5188 | 40.5798 | 7.061 | 45.609 | 33.6607 | 0.1419 | 72.1481 | 34.2754 | 0.7566 | 74.2034 |
| 8/4/2025 | 6:00:00 AM | 33.5291 | 40.5892 | 7.0601 | 45.6099 | 33.6751 | 0.146 | 72.144 | 34.2777 | 0.7486 | 74.2114 |
| 8/4/2025 | 7:00:00 AM | 33.5309 | 40.5908 | 7.0599 | 45.6101 | 33.6735 | 0.1426 | 72.1474 | 34.2776 | 0.7467 | 74.2133 |
| 8/4/2025 | 8:00:00 AM | 33.5259 | 40.5888 | 7.0629 | 45.6071 | 33.6723 | 0.1464 | 72.1436 | 34.2762 | 0.7503 | 74.2097 |
| 8/4/2025 | 9:00:00 AM | 33.5271 | 40.5895 | 7.0624 | 45.6076 | 33.6714 | 0.1443 | 72.1457 | 34.2776 | 0.7505 | 74.2095 |
| 8/4/2025 | 10:00:00 AM | 33.5197 | 40.5835 | 7.0638 | 45.6062 | 33.6675 | 0.1478 | 72.1422 | 34.277 | 0.7573 | 74.2027 |
| 8/4/2025 | 11:00:00 AM | 33.5266 | 40.5913 | 7.0647 | 45.6053 | 33.6727 | 0.1461 | 72.1439 | 34.2783 | 0.7517 | 74.2083 |
| 8/4/2025 | 12:00:00 PM | 33.5249 | 40.5896 | 7.0647 | 45.6053 | 33.672 | 0.1471 | 72.1429 | 34.2791 | 0.7542 | 74.2058 |
| 8/4/2025 | 1:00:00 PM | 33.5264 | 40.5909 | 7.0645 | 45.6055 | 33.6709 | 0.1445 | 72.1455 | 34.2791 | 0.7527 | 74.2073 |
| 8/4/2025 | 2:00:00 PM | 33.5171 | 40.5845 | 7.0674 | 45.6026 | 33.662 | 0.1449 | 72.1451 | 34.2792 | 0.7621 | 74.1979 |
| 8/4/2025 | 3:00:00 PM | 33.5063 | 40.5756 | 7.0693 | 45.6007 | 33.6521 | 0.1458 | 72.1442 | 34.2777 | 0.7714 | 74.1886 |
| 8/4/2025 | 4:00:00 PM | 33.4955 | 40.5675 | 7.072 | 45.598 | 33.6397 | 0.1442 | 72.1458 | 34.2756 | 0.7801 | 74.1799 |
| 8/4/2025 | 5:00:00 PM | 33.4831 | 40.5575 | 7.0744 | 45.5956 | 33.6248 | 0.1417 | 72.1483 | 34.275 | 0.7919 | 74.1681 |
| 8/4/2025 | 6:00:00 PM | 33.4712 | 40.5531 | 7.0819 | 45.5881 | 33.6175 | 0.1463 | 72.1437 | 34.2748 | 0.8036 | 74.1564 |
| 8/4/2025 | 7:00:00 PM | 33.4703 | 40.5547 | 7.0844 | 45.5856 | 33.6173 | 0.147 | 72.143 | 34.2765 | 0.8062 | 74.1538 |
| 8/4/2025 | 8:00:00 PM | 33.4731 | 40.5585 | 7.0854 | 45.5846 | 33.6223 | 0.1492 | 72.1408 | 34.2775 | 0.8044 | 74.1556 |
| 8/4/2025 | 9:00:00 PM | 33.4863 | 40.5727 | 7.0864 | 45.5836 | 33.6365 | 0.1502 | 72.1398 | 34.2795 | 0.7932 | 74.1668 |
| 8/4/2025 | 10:00:00 PM | 33.4981 | 40.5829 | 7.0848 | 45.5852 | 33.6461 | 0.148 | 72.142 | 34.2815 | 0.7834 | 74.1766 |
| 8/4/2025 | 11:00:00 PM | 33.4969 | 40.5812 | 7.0843 | 45.5857 | 33.6459 | 0.149 | 72.141 | 34.2821 | 0.7852 | 74.1748 |
| 8/5/2025 | 12:00:00 AM | 33.5028 | 40.587 | 7.0842 | 45.5858 | 33.6533 | 0.1505 | 72.1395 | 34.283 | 0.7802 | 74.1798 |
| 8/5/2025 | 1:00:00 AM | 33.496 | 40.5807 | 7.0847 | 45.5853 | 33.6444 | 0.1484 | 72.1416 | 34.2806 | 0.7846 | 74.1754 |
| 8/5/2025 | 2:00:00 AM | 33.4932 | 40.5803 | 7.0871 | 45.5829 | 33.6455 | 0.1523 | 72.1377 | 34.2801 | 0.7869 | 74.1731 |
| 8/5/2025 | 3:00:00 AM | 33.4876 | 40.5771 | 7.0895 | 45.5805 | 33.6432 | 0.1556 | 72.1344 | 34.2814 | 0.7938 | 74.1662 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/5/2025 | 4:00:00 AM | 33.4919 | 40.5839 | 7.092 | 45.578 | 33.648 | 0.1561 | 72.1339 | 34.2819 | 0.79 | 74.17 |
| 8/5/2025 | 5:00:00 AM | 33.484 | 40.5757 | 7.0917 | 45.5783 | 33.635 | 0.151 | 72.139 | 34.2803 | 0.7963 | 74.1637 |
| 8/5/2025 | 6:00:00 AM | 33.4885 | 40.5818 | 7.0933 | 45.5767 | 33.6461 | 0.1576 | 72.1324 | 34.2824 | 0.7939 | 74.1661 |
| 8/5/2025 | 7:00:00 AM | 33.4998 | 40.5897 | 7.0899 | 45.5801 | 33.6611 | 0.1613 | 72.1287 | 34.2846 | 0.7848 | 74.1752 |
| 8/5/2025 | 8:00:00 AM | 33.515 | 40.6021 | 7.0871 | 45.5829 | 33.6737 | 0.1587 | 72.1313 | 34.2869 | 0.7719 | 74.1881 |
| 8/5/2025 | 9:00:00 AM | 33.5212 | 40.6056 | 7.0844 | 45.5856 | 33.6824 | 0.1612 | 72.1288 | 34.287 | 0.7658 | 74.1942 |
| 8/5/2025 | 10:00:00 AM | 33.5229 | 40.6045 | 7.0816 | 45.5884 | 33.6824 | 0.1595 | 72.1305 | 34.2853 | 0.7624 | 74.1976 |
| 8/5/2025 | 11:00:00 AM | 33.5206 | 40.5992 | 7.0786 | 45.5914 | 33.6783 | 0.1577 | 72.1323 | 34.2862 | 0.7656 | 74.1944 |
| 8/5/2025 | 12:00:00 PM | 33.5075 | 40.5855 | 7.078 | 45.592 | 33.6623 | 0.1548 | 72.1352 | 34.2847 | 0.7772 | 74.1828 |
| 8/5/2025 | 1:00:00 PM | 33.4967 | 40.5787 | 7.082 | 45.588 | 33.655 | 0.1583 | 72.1317 | 34.2826 | 0.7859 | 74.1741 |
| 8/5/2025 | 2:00:00 PM | 33.4947 | 40.5767 | 7.082 | 45.588 | 33.6503 | 0.1556 | 72.1344 | 34.2833 | 0.7886 | 74.1714 |
| 8/5/2025 | 3:00:00 PM | 33.482 | 40.5671 | 7.0851 | 45.5849 | 33.6396 | 0.1576 | 72.1324 | 34.2836 | 0.8016 | 74.1584 |
| 8/5/2025 | 4:00:00 PM | 33.4824 | 40.5699 | 7.0875 | 45.5825 | 33.6362 | 0.1538 | 72.1362 | 34.2848 | 0.8024 | 74.1576 |
| 8/5/2025 | 5:00:00 PM | 33.4781 | 40.5658 | 7.0877 | 45.5823 | 33.6341 | 0.156 | 72.134 | 34.2836 | 0.8055 | 74.1545 |
| 8/5/2025 | 6:00:00 PM | 33.4792 | 40.5694 | 7.0902 | 45.5798 | 33.6305 | 0.1513 | 72.1387 | 34.2846 | 0.8054 | 74.1546 |
| 8/5/2025 | 7:00:00 PM | 33.4772 | 40.5703 | 7.0931 | 45.5769 | 33.6339 | 0.1567 | 72.1333 | 34.2852 | 0.808 | 74.152 |
| 8/5/2025 | 8:00:00 PM | 33.4895 | 40.5811 | 7.0916 | 45.5784 | 33.6463 | 0.1568 | 72.1332 | 34.287 | 0.7975 | 74.1625 |
| 8/5/2025 | 9:00:00 PM | 33.5039 | 40.5939 | 7.09 | 45.58 | 33.66 | 0.1561 | 72.1339 | 34.2897 | 0.7858 | 74.1742 |
| 8/5/2025 | 10:00:00 PM | 33.5047 | 40.5931 | 7.0884 | 45.5816 | 33.6631 | 0.1584 | 72.1316 | 34.2893 | 0.7846 | 74.1754 |
| 8/5/2025 | 11:00:00 PM | 33.5024 | 40.5909 | 7.0885 | 45.5815 | 33.6563 | 0.1539 | 72.1361 | 34.2882 | 0.7858 | 74.1742 |
| 8/6/2025 | 12:00:00 AM | 33.5003 | 40.5902 | 7.0899 | 45.5801 | 33.6602 | 0.1599 | 72.1301 | 34.2873 | 0.787 | 74.173 |
| 8/6/2025 | 1:00:00 AM | 33.4925 | 40.5843 | 7.0918 | 45.5782 | 33.6518 | 0.1593 | 72.1307 | 34.2865 | 0.794 | 74.166 |
| 8/6/2025 | 2:00:00 AM | 33.4904 | 40.5829 | 7.0925 | 45.5775 | 33.6474 | 0.157 | 72.133 | 34.2874 | 0.797 | 74.163 |
| 8/6/2025 | 3:00:00 AM | 33.4907 | 40.5841 | 7.0934 | 45.5766 | 33.6491 | 0.1584 | 72.1316 | 34.2868 | 0.7961 | 74.1639 |
| 8/6/2025 | 4:00:00 AM | 33.488 | 40.5839 | 7.0959 | 45.5741 | 33.6487 | 0.1607 | 72.1293 | 34.2867 | 0.7987 | 74.1613 |
| 8/6/2025 | 5:00:00 AM | 33.4929 | 40.589 | 7.0961 | 45.5739 | 33.6562 | 0.1633 | 72.1267 | 34.2885 | 0.7956 | 74.1644 |
| 8/6/2025 | 6:00:00 AM | 33.4917 | 40.5886 | 7.0969 | 45.5731 | 33.6527 | 0.161 | 72.129 | 34.2884 | 0.7967 | 74.1633 |
| 8/6/2025 | 7:00:00 AM | 33.4977 | 40.5941 | 7.0964 | 45.5736 | 33.6589 | 0.1612 | 72.1288 | 34.2892 | 0.7915 | 74.1685 |
| 8/6/2025 | 8:00:00 AM | 33.5026 | 40.5978 | 7.0952 | 45.5748 | 33.6664 | 0.1638 | 72.1262 | 34.29 | 0.7874 | 74.1726 |
| 8/6/2025 | 9:00:00 AM | 33.5006 | 40.5957 | 7.0951 | 45.5749 | 33.6649 | 0.1643 | 72.1257 | 34.2893 | 0.7887 | 74.1713 |
| 8/6/2025 | 10:00:00 AM | 33.5052 | 40.6003 | 7.0951 | 45.5749 | 33.6698 | 0.1646 | 72.1254 | 34.2904 | 0.7852 | 74.1748 |
| 8/6/2025 | 11:00:00 AM | 33.5171 | 40.6082 | 7.0911 | 45.5789 | 33.6846 | 0.1675 | 72.1225 | 34.2925 | 0.7754 | 74.1846 |
| 8/6/2025 | 12:00:00 PM | 33.5325 | 40.6194 | 7.0869 | 45.5831 | 33.6949 | 0.1624 | 72.1276 | 34.2946 | 0.7621 | 74.1979 |
| 8/6/2025 | 1:00:00 PM | 33.5283 | 40.6157 | 7.0874 | 45.5826 | 33.6942 | 0.1659 | 72.1241 | 34.2932 | 0.7649 | 74.1951 |
| 8/6/2025 | 2:00:00 PM | 33.5363 | 40.6217 | 7.0854 | 45.5846 | 33.7017 | 0.1654 | 72.1246 | 34.2947 | 0.7584 | 74.2016 |
| 8/6/2025 | 3:00:00 PM | 33.544 | 40.6258 | 7.0818 | 45.5882 | 33.7093 | 0.1653 | 72.1247 | 34.2972 | 0.7532 | 74.2068 |
| 8/6/2025 | 4:00:00 PM | 33.5407 | 40.6226 | 7.0819 | 45.5881 | 33.7022 | 0.1615 | 72.1285 | 34.2968 | 0.7561 | 74.2039 |
| 8/6/2025 | 5:00:00 PM | 33.5301 | 40.6131 | 7.083 | 45.587 | 33.6939 | 0.1638 | 72.1262 | 34.294 | 0.7639 | 74.1961 |
| 8/6/2025 | 6:00:00 PM | 33.5226 | 40.6078 | 7.0852 | 45.5848 | 33.6867 | 0.1641 | 72.1259 | 34.2935 | 0.7709 | 74.1891 |
| 8/6/2025 | 7:00:00 PM | 33.5298 | 40.6127 | 7.0829 | 45.5871 | 33.6938 | 0.164 | 72.126 | 34.295 | 0.7652 | 74.1948 |
| 8/6/2025 | 8:00:00 PM | 33.5342 | 40.6158 | 7.0816 | 45.5884 | 33.6975 | 0.1633 | 72.1267 | 34.2954 | 0.7612 | 74.1988 |
| 8/6/2025 | 9:00:00 PM | 33.5507 | 40.6302 | 7.0795 | 45.5905 | 33.716 | 0.1653 | 72.1247 | 34.2973 | 0.7466 | 74.2134 |
| 8/6/2025 | 10:00:00 PM | 33.568 | 40.6434 | 7.0754 | 45.5946 | 33.7321 | 0.1641 | 72.1259 | 34.301 | 0.733 | 74.227 |
| 8/6/2025 | 11:00:00 PM | 33.5912 | 40.6609 | 7.0697 | 45.6003 | 33.7571 | 0.1659 | 72.1241 | 34.303 | 0.7118 | 74.2482 |
| 8/7/2025 | 12:00:00 AM | 33.5902 | 40.6556 | 7.0654 | 45.6046 | 33.756 | 0.1658 | 72.1242 | 34.3015 | 0.7113 | 74.2487 |
| 8/7/2025 | 1:00:00 AM | 33.5958 | 40.6586 | 7.0628 | 45.6072 | 33.7604 | 0.1646 | 72.1254 | 34.3025 | 0.7067 | 74.2533 |
| 8/7/2025 | 2:00:00 AM | 33.5953 | 40.6549 | 7.0596 | 45.6104 | 33.7595 | 0.1642 | 72.1258 | 34.3013 | 0.706 | 74.254 |
| 8/7/2025 | 3:00:00 AM | 33.6057 | 40.6624 | 7.0567 | 45.6133 | 33.7675 | 0.1618 | 72.1282 | 34.3033 | 0.6976 | 74.2624 |
| 8/7/2025 | 4:00:00 AM | 33.6013 | 40.6577 | 7.0564 | 45.6136 | 33.7651 | 0.1638 | 72.1262 | 34.3022 | 0.7009 | 74.2591 |
| 8/7/2025 | 5:00:00 AM | 33.608 | 40.6636 | 7.0556 | 45.6144 | 33.7749 | 0.1669 | 72.1231 | 34.3055 | 0.6975 | 74.2625 |
| 8/7/2025 | 6:00:00 AM | 33.618 | 40.6693 | 7.0513 | 45.6187 | 33.7869 | 0.1689 | 72.1211 | 34.306 | 0.688 | 74.272 |
| 8/7/2025 | 7:00:00 AM | 33.6315 | 40.6772 | 7.0457 | 45.6243 | 33.7962 | 0.1647 | 72.1253 | 34.3073 | 0.6758 | 74.2842 |
| 8/7/2025 | 8:00:00 AM | 33.6345 | 40.6787 | 7.0442 | 45.6258 | 33.8008 | 0.1663 | 72.1237 | 34.3071 | 0.6726 | 74.2874 |
| 8/7/2025 | 9:00:00 AM | 33.6597 | 40.6961 | 7.0364 | 45.6336 | 33.825 | 0.1653 | 72.1247 | 34.3108 | 0.6511 | 74.3089 |
| 8/7/2025 | 10:00:00 AM | 33.6674 | 40.6978 | 7.0304 | 45.6396 | 33.8294 | 0.162 | 72.128 | 34.3101 | 0.6427 | 74.3173 |
| 8/7/2025 | 11:00:00 AM | 33.6716 | 40.6977 | 7.0261 | 45.6439 | 33.8291 | 0.1575 | 72.1325 | 34.3109 | 0.6393 | 74.3207 |
| 8/7/2025 | 12:00:00 PM | 33.6733 | 40.6976 | 7.0243 | 45.6457 | 33.8341 | 0.1608 | 72.1292 | 34.3105 | 0.6372 | 74.3228 |
| 8/7/2025 | 1:00:00 PM | 33.6739 | 40.6935 | 7.0196 | 45.6504 | 33.8303 | 0.1564 | 72.1336 | 34.3108 | 0.6369 | 74.3231 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/7/2025 | 2:00:00 PM | 33.666 | 40.6867 | 7.0207 | 45.6493 | 33.8225 | 0.1565 | 72.1335 | 34.309 | 0.643 | 74.317 |
| 8/7/2025 | 3:00:00 PM | 33.6715 | 40.6893 | 7.0178 | 45.6522 | 33.8256 | 0.1541 | 72.1359 | 34.3107 | 0.6392 | 74.3208 |
| 8/7/2025 | 4:00:00 PM | 33.6662 | 40.6842 | 7.018 | 45.652 | 33.8218 | 0.1556 | 72.1344 | 34.3105 | 0.6443 | 74.3157 |
| 8/7/2025 | 5:00:00 PM | 33.6706 | 40.6868 | 7.0162 | 45.6538 | 33.8218 | 0.1512 | 72.1388 | 34.3113 | 0.6407 | 74.3193 |
| 8/7/2025 | 6:00:00 PM | 33.6673 | 40.6841 | 7.0168 | 45.6532 | 33.8175 | 0.1502 | 72.1398 | 34.3107 | 0.6434 | 74.3166 |
| 8/7/2025 | 7:00:00 PM | 33.6687 | 40.6834 | 7.0147 | 45.6553 | 33.8174 | 0.1487 | 72.1413 | 34.311 | 0.6423 | 74.3177 |
| 8/7/2025 | 8:00:00 PM | 33.6768 | 40.6892 | 7.0124 | 45.6576 | 33.8244 | 0.1476 | 72.1424 | 34.312 | 0.6352 | 74.3248 |
| 8/7/2025 | 9:00:00 PM | 33.6921 | 40.7029 | 7.0108 | 45.6592 | 33.8395 | 0.1474 | 72.1426 | 34.3149 | 0.6228 | 74.3372 |
| 8/7/2025 | 10:00:00 PM | 33.6947 | 40.7007 | 7.006 | 45.664 | 33.8379 | 0.1432 | 72.1468 | 34.3142 | 0.6195 | 74.3405 |
| 8/7/2025 | 11:00:00 PM | 33.6938 | 40.6988 | 7.005 | 45.665 | 33.8383 | 0.1445 | 72.1455 | 34.3127 | 0.6189 | 74.3411 |
| 8/8/2025 | 12:00:00 AM | 33.7026 | 40.7044 | 7.0018 | 45.6682 | 33.8454 | 0.1428 | 72.1472 | 34.3145 | 0.6119 | 74.3481 |
| 8/8/2025 | 1:00:00 AM | 33.6965 | 40.6975 | 7.001 | 45.669 | 33.8391 | 0.1426 | 72.1474 | 34.3127 | 0.6162 | 74.3438 |
| 8/8/2025 | 2:00:00 AM | 33.6934 | 40.6948 | 7.0014 | 45.6686 | 33.8343 | 0.1409 | 72.1491 | 34.3121 | 0.6187 | 74.3413 |
| 8/8/2025 | 3:00:00 AM | 33.6859 | 40.6879 | 7.002 | 45.668 | 33.8286 | 0.1427 | 72.1473 | 34.3117 | 0.6258 | 74.3342 |
| 8/8/2025 | 4:00:00 AM | 33.6774 | 40.6838 | 7.0064 | 45.6636 | 33.8197 | 0.1423 | 72.1477 | 34.3096 | 0.6322 | 74.3278 |
| 8/8/2025 | 5:00:00 AM | 33.676 | 40.6807 | 7.0047 | 45.6653 | 33.8161 | 0.1401 | 72.1499 | 34.3103 | 0.6343 | 74.3257 |
| 8/8/2025 | 6:00:00 AM | 33.6707 | 40.6784 | 7.0077 | 45.6623 | 33.8115 | 0.1408 | 72.1492 | 34.3096 | 0.6389 | 74.3211 |
| 8/8/2025 | 7:00:00 AM | 33.6767 | 40.6833 | 7.0066 | 45.6634 | 33.8189 | 0.1422 | 72.1478 | 34.3116 | 0.6349 | 74.3251 |
| 8/8/2025 | 8:00:00 AM | 33.6811 | 40.6841 | 7.003 | 45.667 | 33.8226 | 0.1415 | 72.1485 | 34.3135 | 0.6324 | 74.3276 |
| 8/8/2025 | 9:00:00 AM | 33.6796 | 40.6837 | 7.0041 | 45.6659 | 33.8205 | 0.1409 | 72.1491 | 34.3137 | 0.6341 | 74.3259 |
| 8/8/2025 | 10:00:00 AM | 33.6804 | 40.6835 | 7.0031 | 45.6669 | 33.8181 | 0.1377 | 72.1523 | 34.3125 | 0.6321 | 74.3279 |
| 8/8/2025 | 11:00:00 AM | 33.6687 | 40.6708 | 7.0021 | 45.6679 | 33.8026 | 0.1339 | 72.1561 | 34.3114 | 0.6427 | 74.3173 |
| 8/8/2025 | 12:00:00 PM | 33.6564 | 40.6619 | 7.0055 | 45.6645 | 33.7891 | 0.1327 | 72.1573 | 34.3098 | 0.6534 | 74.3066 |
| 8/8/2025 | 1:00:00 PM | 33.6339 | 40.6441 | 7.0102 | 45.6598 | 33.7662 | 0.1323 | 72.1577 | 34.307 | 0.6731 | 74.2869 |
| 8/8/2025 | 2:00:00 PM | 33.623 | 40.6368 | 7.0138 | 45.6562 | 33.7536 | 0.1306 | 72.1594 | 34.3066 | 0.6836 | 74.2764 |
| 8/8/2025 | 3:00:00 PM | 33.6174 | 40.6357 | 7.0183 | 45.6517 | 33.7428 | 0.1254 | 72.1646 | 34.3083 | 0.6909 | 74.2691 |
| 8/8/2025 | 4:00:00 PM | 33.6135 | 40.6329 | 7.0194 | 45.6506 | 33.7418 | 0.1283 | 72.1617 | 34.3079 | 0.6944 | 74.2656 |
| 8/8/2025 | 5:00:00 PM | 33.6096 | 40.6323 | 7.0227 | 45.6473 | 33.7359 | 0.1263 | 72.1637 | 34.3092 | 0.6996 | 74.2604 |
| 8/8/2025 | 6:00:00 PM | 33.6064 | 40.6353 | 7.0289 | 45.6411 | 33.7341 | 0.1277 | 72.1623 | 34.3099 | 0.7035 | 74.2565 |
| 8/8/2025 | 7:00:00 PM | 33.6131 | 40.6429 | 7.0298 | 45.6402 | 33.7358 | 0.1227 | 72.1673 | 34.3113 | 0.6982 | 74.2618 |
| 8/8/2025 | 8:00:00 PM | 33.6255 | 40.6555 | 7.03 | 45.64 | 33.7519 | 0.1264 | 72.1636 | 34.3137 | 0.6882 | 74.2718 |
| 8/8/2025 | 9:00:00 PM | 33.6313 | 40.6606 | 7.0293 | 45.6407 | 33.7558 | 0.1245 | 72.1655 | 34.314 | 0.6827 | 74.2773 |
| 8/8/2025 | 10:00:00 PM | 33.6304 | 40.6615 | 7.0311 | 45.6389 | 33.7558 | 0.1254 | 72.1646 | 34.3138 | 0.6834 | 74.2766 |
| 8/8/2025 | 11:00:00 PM | 33.6404 | 40.67 | 7.0296 | 45.6404 | 33.767 | 0.1266 | 72.1634 | 34.3155 | 0.6751 | 74.2849 |
| 8/9/2025 | 12:00:00 AM | 33.6387 | 40.666 | 7.0273 | 45.6427 | 33.7642 | 0.1255 | 72.1645 | 34.3141 | 0.6754 | 74.2846 |
| 8/9/2025 | 1:00:00 AM | 33.6355 | 40.6647 | 7.0292 | 45.6408 | 33.7628 | 0.1273 | 72.1627 | 34.3125 | 0.677 | 74.283 |
| 8/9/2025 | 2:00:00 AM | 33.6342 | 40.6648 | 7.0306 | 45.6394 | 33.7573 | 0.1231 | 72.1669 | 34.313 | 0.6788 | 74.2812 |
| 8/9/2025 | 3:00:00 AM | 33.6261 | 40.6583 | 7.0322 | 45.6378 | 33.7512 | 0.1251 | 72.1649 | 34.3126 | 0.6865 | 74.2735 |
| 8/9/2025 | 4:00:00 AM | 33.6225 | 40.6557 | 7.0332 | 45.6368 | 33.7449 | 0.1224 | 72.1676 | 34.3117 | 0.6892 | 74.2708 |
| 8/9/2025 | 5:00:00 AM | 33.6189 | 40.6551 | 7.0362 | 45.6338 | 33.7458 | 0.1269 | 72.1631 | 34.313 | 0.6941 | 74.2659 |
| 8/9/2025 | 6:00:00 AM | 33.6195 | 40.6561 | 7.0366 | 45.6334 | 33.7437 | 0.1242 | 72.1658 | 34.313 | 0.6935 | 74.2665 |
| 8/9/2025 | 7:00:00 AM | 33.6334 | 40.6686 | 7.0352 | 45.6348 | 33.7613 | 0.1279 | 72.1621 | 34.316 | 0.6826 | 74.2774 |
| 8/9/2025 | 8:00:00 AM | 33.6491 | 40.6805 | 7.0314 | 45.6386 | 33.7781 | 0.129 | 72.161 | 34.3191 | 0.67 | 74.29 |
| 8/9/2025 | 9:00:00 AM | 33.6488 | 40.6783 | 7.0295 | 45.6405 | 33.7756 | 0.1268 | 72.1632 | 34.3171 | 0.6683 | 74.2917 |
| 8/9/2025 | 10:00:00 AM | 33.6425 | 40.6687 | 7.0262 | 45.6438 | 33.7672 | 0.1247 | 72.1653 | 34.3153 | 0.6728 | 74.2872 |
| 8/9/2025 | 11:00:00 AM | 33.6408 | 40.6671 | 7.0263 | 45.6437 | 33.766 | 0.1252 | 72.1648 | 34.3142 | 0.6734 | 74.2866 |
| 8/9/2025 | 12:00:00 PM | 33.6384 | 40.6638 | 7.0254 | 45.6446 | 33.7637 | 0.1253 | 72.1647 | 34.3139 | 0.6755 | 74.2845 |
| 8/9/2025 | 1:00:00 PM | 33.6351 | 40.6572 | 7.0221 | 45.6479 | 33.7557 | 0.1206 | 72.1694 | 34.3129 | 0.6778 | 74.2822 |
| 8/9/2025 | 2:00:00 PM | 33.6252 | 40.6481 | 7.0229 | 45.6471 | 33.7478 | 0.1226 | 72.1674 | 34.3113 | 0.6861 | 74.2739 |
| 8/9/2025 | 3:00:00 PM | 33.6168 | 40.641 | 7.0242 | 45.6458 | 33.7348 | 0.118 | 72.172 | 34.3104 | 0.6936 | 74.2664 |
| 8/9/2025 | 4:00:00 PM | 33.6065 | 40.6318 | 7.0253 | 45.6447 | 33.7236 | 0.1171 | 72.1729 | 34.3104 | 0.7039 | 74.2561 |
| 8/9/2025 | 5:00:00 PM | 33.5972 | 40.6262 | 7.029 | 45.641 | 33.7148 | 0.1176 | 72.1724 | 34.3097 | 0.7125 | 74.2475 |
| 8/9/2025 | 6:00:00 PM | 33.5993 | 40.6301 | 7.0308 | 45.6392 | 33.7149 | 0.1156 | 72.1744 | 34.3122 | 0.7129 | 74.2471 |
| 8/9/2025 | 7:00:00 PM | 33.5985 | 40.6297 | 7.0312 | 45.6388 | 33.7135 | 0.115 | 72.175 | 34.3123 | 0.7138 | 74.2462 |
| 8/9/2025 | 8:00:00 PM | 33.601 | 40.6328 | 7.0318 | 45.6382 | 33.7165 | 0.1155 | 72.1745 | 34.3127 | 0.7117 | 74.2483 |
| 8/9/2025 | 9:00:00 PM | 33.6105 | 40.643 | 7.0325 | 45.6375 | 33.7311 | 0.1206 | 72.1694 | 34.3148 | 0.7043 | 74.2557 |
| 8/9/2025 | 10:00:00 PM | 33.6291 | 40.6554 | 7.0263 | 45.6437 | 33.7442 | 0.1151 | 72.1749 | 34.3176 | 0.6885 | 74.2715 |
| 8/9/2025 | 11:00:00 PM | 33.6391 | 40.6638 | 7.0247 | 45.6453 | 33.7538 | 0.1147 | 72.1753 | 34.3182 | 0.6791 | 74.2809 |

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| 8/10/2025 | 12:00:00 AM | 33.643 | 40.6671 | 7.0241 | 45.6459 | 33.7615 | 0.1185 | 72.1715 | 34.3182 | 0.6752 | 74.2848 |
| 8/10/2025 | 1:00:00 AM | 33.6469 | 40.6655 | 7.0186 | 45.6514 | 33.7615 | 0.1146 | 72.1754 | 34.3184 | 0.6715 | 74.2885 |
| 8/10/2025 | 2:00:00 AM | 33.6396 | 40.6594 | 7.0198 | 45.6502 | 33.7546 | 0.115 | 72.175 | 34.3174 | 0.6778 | 74.2822 |
| 8/10/2025 | 3:00:00 AM | 33.6369 | 40.656 | 7.0191 | 45.6509 | 33.7517 | 0.1148 | 72.1752 | 34.3173 | 0.6804 | 74.2796 |
| 8/10/2025 | 4:00:00 AM | 33.6313 | 40.6518 | 7.0205 | 45.6495 | 33.748 | 0.1167 | 72.1733 | 34.3165 | 0.6852 | 74.2748 |
| 8/10/2025 | 5:00:00 AM | 33.629 | 40.6516 | 7.0226 | 45.6474 | 33.7453 | 0.1163 | 72.1737 | 34.3169 | 0.6879 | 74.2721 |
| 8/10/2025 | 6:00:00 AM | 33.6353 | 40.657 | 7.0217 | 45.6483 | 33.7545 | 0.1192 | 72.1708 | 34.32 | 0.6847 | 74.2753 |
| 8/10/2025 | 7:00:00 AM | 33.6439 | 40.6639 | 7.02 | 45.65 | 33.7635 | 0.1196 | 72.1704 | 34.3208 | 0.6769 | 74.2831 |
| 8/10/2025 | 8:00:00 AM | 33.6538 | 40.6695 | 7.0157 | 45.6543 | 33.7717 | 0.1179 | 72.1721 | 34.3207 | 0.6669 | 74.2931 |
| 8/10/2025 | 9:00:00 AM | 33.6521 | 40.6645 | 7.0124 | 45.6576 | 33.7671 | 0.115 | 72.175 | 34.321 | 0.6689 | 74.2911 |
| 8/10/2025 | 10:00:00 AM | 33.6492 | 40.6601 | 7.0109 | 45.6591 | 33.7627 | 0.1135 | 72.1765 | 34.3191 | 0.6699 | 74.2901 |
| 8/10/2025 | 11:00:00 AM | 33.6395 | 40.6497 | 7.0102 | 45.6598 | 33.7547 | 0.1152 | 72.1748 | 34.3169 | 0.6774 | 74.2826 |
| 8/10/2025 | 12:00:00 PM | 33.6298 | 40.6399 | 7.0101 | 45.6599 | 33.7431 | 0.1133 | 72.1767 | 34.3155 | 0.6857 | 74.2743 |
| 8/10/2025 | 1:00:00 PM | 33.6155 | 40.6275 | 7.012 | 45.658 | 33.7287 | 0.1132 | 72.1768 | 34.3134 | 0.6979 | 74.2621 |
| 8/10/2025 | 2:00:00 PM | 33.6098 | 40.6229 | 7.0131 | 45.6569 | 33.7186 | 0.1088 | 72.1812 | 34.3134 | 0.7036 | 74.2564 |
| 8/10/2025 | 3:00:00 PM | 33.5871 | 40.604 | 7.0169 | 45.6531 | 33.6947 | 0.1076 | 72.1824 | 34.3107 | 0.7236 | 74.2364 |
| 8/10/2025 | 4:00:00 PM | 33.5768 | 40.5953 | 7.0185 | 45.6515 | 33.6822 | 0.1054 | 72.1846 | 34.3104 | 0.7336 | 74.2264 |
| 8/10/2025 | 5:00:00 PM | 33.5547 | 40.5818 | 7.0271 | 45.6429 | 33.6617 | 0.107 | 72.183 | 34.308 | 0.7533 | 74.2067 |
| 8/10/2025 | 6:00:00 PM | 33.5469 | 40.5771 | 7.0302 | 45.6398 | 33.6532 | 0.1063 | 72.1837 | 34.3092 | 0.7623 | 74.1977 |
| 8/10/2025 | 7:00:00 PM | 33.5276 | 40.5677 | 7.0401 | 45.6299 | 33.6368 | 0.1092 | 72.1808 | 34.3077 | 0.7801 | 74.1799 |
| 8/10/2025 | 8:00:00 PM | 33.5282 | 40.5741 | 7.0459 | 45.6241 | 33.6389 | 0.1107 | 72.1793 | 34.3086 | 0.7804 | 74.1796 |
| 8/10/2025 | 9:00:00 PM | 33.5364 | 40.5815 | 7.0451 | 45.6249 | 33.6451 | 0.1087 | 72.1813 | 34.3124 | 0.776 | 74.184 |
| 8/10/2025 | 10:00:00 PM | 33.5221 | 40.5717 | 7.0496 | 45.6204 | 33.6297 | 0.1076 | 72.1824 | 34.3101 | 0.788 | 74.172 |
| 8/10/2025 | 11:00:00 PM | 33.5209 | 40.575 | 7.0541 | 45.6159 | 33.6317 | 0.1108 | 72.1792 | 34.3101 | 0.7892 | 74.1708 |
| 8/11/2025 | 12:00:00 AM | 33.5176 | 40.576 | 7.0584 | 45.6116 | 33.633 | 0.1154 | 72.1746 | 34.3096 | 0.792 | 74.168 |
| 8/11/2025 | 1:00:00 AM | 33.5307 | 40.5873 | 7.0566 | 45.6134 | 33.6423 | 0.1116 | 72.1784 | 34.3136 | 0.7829 | 74.1771 |
| 8/11/2025 | 2:00:00 AM | 33.524 | 40.5824 | 7.0584 | 45.6116 | 33.6378 | 0.1138 | 72.1762 | 34.3122 | 0.7882 | 74.1718 |
| 8/11/2025 | 3:00:00 AM | 33.5106 | 40.5756 | 7.065 | 45.605 | 33.6279 | 0.1173 | 72.1727 | 34.3104 | 0.7998 | 74.1602 |
| 8/11/2025 | 4:00:00 AM | 33.5055 | 40.5727 | 7.0672 | 45.6028 | 33.62 | 0.1145 | 72.1755 | 34.3097 | 0.8042 | 74.1558 |
| 8/11/2025 | 5:00:00 AM | 33.4918 | 40.5636 | 7.0718 | 45.5982 | 33.608 | 0.1162 | 72.1738 | 34.3085 | 0.8167 | 74.1433 |
| 8/11/2025 | 6:00:00 AM | 33.4978 | 40.5729 | 7.0751 | 45.5949 | 33.6178 | 0.12 | 72.17 | 34.3114 | 0.8136 | 74.1464 |
| 8/11/2025 | 7:00:00 AM | 33.5039 | 40.5801 | 7.0762 | 45.5938 | 33.6232 | 0.1193 | 72.1707 | 34.3134 | 0.8095 | 74.1505 |
| 8/11/2025 | 8:00:00 AM | 33.5134 | 40.5891 | 7.0757 | 45.5943 | 33.6338 | 0.1204 | 72.1696 | 34.3147 | 0.8013 | 74.1587 |
| 8/11/2025 | 9:00:00 AM | 33.5179 | 40.5945 | 7.0766 | 45.5934 | 33.6381 | 0.1202 | 72.1698 | 34.3153 | 0.7974 | 74.1626 |
| 8/11/2025 | 10:00:00 AM | 33.5086 | 40.5857 | 7.0771 | 45.5929 | 33.6345 | 0.1259 | 72.1641 | 34.3135 | 0.8049 | 74.1551 |
| 8/11/2025 | 11:00:00 AM | 33.5056 | 40.5815 | 7.0759 | 45.5941 | 33.6273 | 0.1217 | 72.1683 | 34.312 | 0.8064 | 74.1536 |
| 8/11/2025 | 12:00:00 PM | 33.4932 | 40.5711 | 7.0779 | 45.5921 | 33.613 | 0.1198 | 72.1702 | 34.3093 | 0.8161 | 74.1439 |
| 8/11/2025 | 1:00:00 PM | 33.4732 | 40.5555 | 7.0823 | 45.5877 | 33.5962 | 0.123 | 72.167 | 34.3067 | 0.8335 | 74.1265 |
| 8/11/2025 | 2:00:00 PM | 33.4629 | 40.5497 | 7.0868 | 45.5832 | 33.5874 | 0.1245 | 72.1655 | 34.3066 | 0.8437 | 74.1163 |
| 8/11/2025 | 3:00:00 PM | 33.4489 | 40.5385 | 7.0896 | 45.5804 | 33.57 | 0.1211 | 72.1689 | 34.3056 | 0.8567 | 74.1033 |
| 8/11/2025 | 4:00:00 PM | 33.4354 | 40.5318 | 7.0964 | 45.5736 | 33.5596 | 0.1242 | 72.1658 | 34.3046 | 0.8692 | 74.0908 |
| 8/11/2025 | 5:00:00 PM | 33.4158 | 40.5221 | 7.1063 | 45.5637 | 33.5435 | 0.1277 | 72.1623 | 34.3039 | 0.8881 | 74.0719 |
| 8/11/2025 | 6:00:00 PM | 33.4017 | 40.5136 | 7.1119 | 45.5581 | 33.53 | 0.1283 | 72.1617 | 34.3026 | 0.9009 | 74.0591 |
| 8/11/2025 | 7:00:00 PM | 33.388 | 40.5074 | 7.1194 | 45.5506 | 33.52 | 0.132 | 72.158 | 34.3023 | 0.9143 | 74.0457 |
| 8/11/2025 | 8:00:00 PM | 33.3856 | 40.5115 | 7.1259 | 45.5441 | 33.5192 | 0.1336 | 72.1564 | 34.3029 | 0.9173 | 74.0427 |
| 8/11/2025 | 9:00:00 PM | 33.388 | 40.5185 | 7.1305 | 45.5395 | 33.5244 | 0.1364 | 72.1536 | 34.3047 | 0.9167 | 74.0433 |
| 8/11/2025 | 10:00:00 PM | 33.3934 | 40.5252 | 7.1318 | 45.5382 | 33.5313 | 0.1379 | 72.1521 | 34.3059 | 0.9125 | 74.0475 |
| 8/11/2025 | 11:00:00 PM | 33.3913 | 40.5247 | 7.1334 | 45.5366 | 33.5279 | 0.1366 | 72.1534 | 34.3049 | 0.9136 | 74.0464 |
| 8/12/2025 | 12:00:00 AM | 33.3841 | 40.5218 | 7.1377 | 45.5323 | 33.5226 | 0.1385 | 72.1515 | 34.3041 | 0.92 | 74.04 |
| 8/12/2025 | 1:00:00 AM | 33.3784 | 40.5191 | 7.1407 | 45.5293 | 33.5204 | 0.142 | 72.148 | 34.3032 | 0.9248 | 74.0352 |
| 8/12/2025 | 2:00:00 AM | 33.3737 | 40.5171 | 7.1434 | 45.5266 | 33.5147 | 0.141 | 72.149 | 34.3023 | 0.9286 | 74.0314 |
| 8/12/2025 | 3:00:00 AM | 33.3662 | 40.513 | 7.1468 | 45.5232 | 33.5112 | 0.145 | 72.145 | 34.3019 | 0.9357 | 74.0243 |
| 8/12/2025 | 4:00:00 AM | 33.3632 | 40.5151 | 7.1519 | 45.5181 | 33.512 | 0.1488 | 72.1412 | 34.3018 | 0.9386 | 74.0214 |
| 8/12/2025 | 5:00:00 AM | 33.3697 | 40.5222 | 7.1525 | 45.5175 | 33.5186 | 0.1489 | 72.1411 | 34.3037 | 0.934 | 74.026 |
| 8/12/2025 | 6:00:00 AM | 33.372 | 40.5249 | 7.1529 | 45.5171 | 33.5243 | 0.1523 | 72.1377 | 34.3038 | 0.9318 | 74.0282 |
| 8/12/2025 | 7:00:00 AM | 33.3788 | 40.5325 | 7.1537 | 45.5163 | 33.5341 | 0.1553 | 72.1347 | 34.3054 | 0.9266 | 74.0334 |
| 8/12/2025 | 8:00:00 AM | 33.384 | 40.5362 | 7.1522 | 45.5178 | 33.5383 | 0.1543 | 72.1357 | 34.3059 | 0.9219 | 74.0381 |
| 8/12/2025 | 9:00:00 AM | 33.3806 | 40.5336 | 7.153 | 45.517 | 33.5352 | 0.1546 | 72.1354 | 34.3054 | 0.9248 | 74.0352 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/12/2025 | 10:00:00 AM | 33.376 | 40.5298 | 7.1538 | 45.5162 | 33.5307 | 0.1547 | 72.1353 | 34.3041 | 0.9281 | 74.0319 |
| 8/12/2025 | 11:00:00 AM | 33.3731 | 40.5269 | 7.1538 | 45.5162 | 33.5289 | 0.1558 | 72.1342 | 34.3036 | 0.9305 | 74.0295 |
| 8/12/2025 | 12:00:00 PM | 33.3628 | 40.5197 | 7.1569 | 45.5131 | 33.5185 | 0.1557 | 72.1343 | 34.3023 | 0.9395 | 74.0205 |
| 8/12/2025 | 1:00:00 PM | 33.3458 | 40.5047 | 7.1589 | 45.5111 | 33.5035 | 0.1577 | 72.1323 | 34.299 | 0.9532 | 74.0068 |
| 8/12/2025 | 2:00:00 PM | 33.3332 | 40.4958 | 7.1626 | 45.5074 | 33.4939 | 0.1607 | 72.1293 | 34.2983 | 0.9651 | 73.9949 |
| 8/12/2025 | 3:00:00 PM | 33.3198 | 40.4873 | 7.1675 | 45.5025 | 33.4814 | 0.1616 | 72.1284 | 34.2964 | 0.9766 | 73.9834 |
| 8/12/2025 | 4:00:00 PM | 33.2986 | 40.4704 | 7.1718 | 45.4982 | 33.4597 | 0.1611 | 72.1289 | 34.2936 | 0.995 | 73.965 |
| 8/12/2025 | 5:00:00 PM | 33.2815 | 40.4626 | 7.1811 | 45.4889 | 33.4467 | 0.1652 | 72.1248 | 34.2921 | 1.0106 | 73.9494 |
| 8/12/2025 | 6:00:00 PM | 33.2652 | 40.4534 | 7.1882 | 45.4818 | 33.4313 | 0.1661 | 72.1239 | 34.2914 | 1.0262 | 73.9338 |
| 8/12/2025 | 7:00:00 PM | 33.2499 | 40.4471 | 7.1972 | 45.4728 | 33.4219 | 0.172 | 72.118 | 34.2903 | 1.0404 | 73.9196 |
| 8/12/2025 | 8:00:00 PM | 33.247 | 40.4498 | 7.2028 | 45.4672 | 33.4212 | 0.1742 | 72.1158 | 34.291 | 1.044 | 73.916 |
| 8/12/2025 | 9:00:00 PM | 33.2501 | 40.4574 | 7.2073 | 45.4627 | 33.4271 | 0.177 | 72.113 | 34.2922 | 1.0421 | 73.9179 |
| 8/12/2025 | 10:00:00 PM | 33.2521 | 40.4625 | 7.2104 | 45.4596 | 33.431 | 0.1789 | 72.1111 | 34.2923 | 1.0402 | 73.9198 |
| 8/12/2025 | 11:00:00 PM | 33.2434 | 40.4569 | 7.2135 | 45.4565 | 33.4231 | 0.1797 | 72.1103 | 34.2903 | 1.0469 | 73.9131 |
| 8/13/2025 | 12:00:00 AM | 33.2482 | 40.4635 | 7.2153 | 45.4547 | 33.4284 | 0.1802 | 72.1098 | 34.2905 | 1.0423 | 73.9177 |
| 8/13/2025 | 1:00:00 AM | 33.2452 | 40.4635 | 7.2183 | 45.4517 | 33.4306 | 0.1854 | 72.1046 | 34.2907 | 1.0455 | 73.9145 |
| 8/13/2025 | 2:00:00 AM | 33.2427 | 40.4619 | 7.2192 | 45.4508 | 33.4258 | 0.1831 | 72.1069 | 34.2892 | 1.0465 | 73.9135 |
| 8/13/2025 | 3:00:00 AM | 33.2431 | 40.4672 | 7.2241 | 45.4459 | 33.4359 | 0.1928 | 72.0972 | 34.2901 | 1.047 | 73.913 |
| 8/13/2025 | 4:00:00 AM | 33.26 | 40.4822 | 7.2222 | 45.4478 | 33.4553 | 0.1953 | 72.0947 | 34.2913 | 1.0313 | 73.9287 |
| 8/13/2025 | 5:00:00 AM | 33.2777 | 40.4958 | 7.2181 | 45.4519 | 33.4717 | 0.194 | 72.096 | 34.293 | 1.0153 | 73.9447 |
| 8/13/2025 | 6:00:00 AM | 33.2952 | 40.5082 | 7.213 | 45.457 | 33.4901 | 0.1949 | 72.0951 | 34.2958 | 1.0006 | 73.9594 |
| 8/13/2025 | 7:00:00 AM | 33.3167 | 40.5259 | 7.2092 | 45.4608 | 33.5148 | 0.1981 | 72.0919 | 34.298 | 0.9813 | 73.9787 |
| 8/13/2025 | 8:00:00 AM | 33.3225 | 40.5239 | 7.2014 | 45.4686 | 33.5186 | 0.1961 | 72.0939 | 34.2973 | 0.9748 | 73.9852 |
| 8/13/2025 | 9:00:00 AM | 33.3249 | 40.5255 | 7.2006 | 45.4694 | 33.523 | 0.1981 | 72.0919 | 34.2957 | 0.9708 | 73.9892 |
| 8/13/2025 | 10:00:00 AM | 33.3332 | 40.5276 | 7.1944 | 45.4756 | 33.5332 | 0.2 | 72.09 | 34.2957 | 0.9625 | 73.9975 |
| 8/13/2025 | 11:00:00 AM | 33.3429 | 40.5327 | 7.1898 | 45.4802 | 33.5413 | 0.1984 | 72.0916 | 34.2956 | 0.9527 | 74.0073 |
| 8/13/2025 | 12:00:00 PM | 33.3432 | 40.5294 | 7.1862 | 45.4838 | 33.543 | 0.1998 | 72.0902 | 34.2947 | 0.9515 | 74.0085 |
| 8/13/2025 | 1:00:00 PM | 33.3477 | 40.5311 | 7.1834 | 45.4866 | 33.5485 | 0.2008 | 72.0892 | 34.2936 | 0.9459 | 74.0141 |
| 8/13/2025 | 2:00:00 PM | 33.3524 | 40.5302 | 7.1778 | 45.4922 | 33.5542 | 0.2018 | 72.0882 | 34.2932 | 0.9408 | 74.0192 |
| 8/13/2025 | 3:00:00 PM | 33.3525 | 40.5284 | 7.1759 | 45.4941 | 33.5534 | 0.2009 | 72.0891 | 34.2917 | 0.9392 | 74.0208 |
| 8/13/2025 | 4:00:00 PM | 33.3493 | 40.5241 | 7.1748 | 45.4952 | 33.5559 | 0.2066 | 72.0834 | 34.2909 | 0.9416 | 74.0184 |
| 8/13/2025 | 5:00:00 PM | 33.3636 | 40.535 | 7.1714 | 45.4986 | 33.5705 | 0.2069 | 72.0831 | 34.2923 | 0.9287 | 74.0313 |
| 8/13/2025 | 6:00:00 PM | 33.3683 | 40.5343 | 7.166 | 45.504 | 33.5735 | 0.2052 | 72.0848 | 34.2927 | 0.9244 | 74.0356 |
| 8/13/2025 | 7:00:00 PM | 33.3679 | 40.5332 | 7.1653 | 45.5047 | 33.5746 | 0.2067 | 72.0833 | 34.2907 | 0.9228 | 74.0372 |
| 8/13/2025 | 8:00:00 PM | 33.3735 | 40.5356 | 7.1621 | 45.5079 | 33.5812 | 0.2077 | 72.0823 | 34.2907 | 0.9172 | 74.0428 |
| 8/13/2025 | 9:00:00 PM | 33.3861 | 40.5442 | 7.1581 | 45.5119 | 33.5937 | 0.2076 | 72.0824 | 34.2919 | 0.9058 | 74.0542 |
| 8/13/2025 | 10:00:00 PM | 33.3893 | 40.5421 | 7.1528 | 45.5172 | 33.5975 | 0.2082 | 72.0818 | 34.2919 | 0.9026 | 74.0574 |
| 8/13/2025 | 11:00:00 PM | 33.3919 | 40.5427 | 7.1508 | 45.5192 | 33.6017 | 0.2098 | 72.0802 | 34.2906 | 0.8987 | 74.0613 |
| 8/14/2025 | 12:00:00 AM | 33.4034 | 40.5487 | 7.1453 | 45.5247 | 33.6135 | 0.2101 | 72.0799 | 34.2915 | 0.8881 | 74.0719 |
| 8/14/2025 | 1:00:00 AM | 33.418 | 40.5577 | 7.1397 | 45.5303 | 33.6266 | 0.2086 | 72.0814 | 34.2916 | 0.8736 | 74.0864 |
| 8/14/2025 | 2:00:00 AM | 33.415 | 40.55 | 7.135 | 45.535 | 33.6248 | 0.2098 | 72.0802 | 34.2887 | 0.8737 | 74.0863 |
| 8/14/2025 | 3:00:00 AM | 33.4247 | 40.5569 | 7.1322 | 45.5378 | 33.6376 | 0.2129 | 72.0771 | 34.2886 | 0.8639 | 74.0961 |
| 8/14/2025 | 4:00:00 AM | 33.4284 | 40.5553 | 7.1269 | 45.5431 | 33.6404 | 0.212 | 72.078 | 34.2886 | 0.8602 | 74.0998 |
| 8/14/2025 | 5:00:00 AM | 33.438 | 40.5596 | 7.1216 | 45.5484 | 33.651 | 0.213 | 72.077 | 34.2882 | 0.8502 | 74.1098 |
| 8/14/2025 | 6:00:00 AM | 33.4454 | 40.5611 | 7.1157 | 45.5543 | 33.651 | 0.2056 | 72.0844 | 34.2882 | 0.8428 | 74.1172 |
| 8/14/2025 | 7:00:00 AM | 33.4544 | 40.5679 | 7.1135 | 45.5565 | 33.6679 | 0.2135 | 72.0765 | 34.2894 | 0.835 | 74.125 |
| 8/14/2025 | 8:00:00 AM | 33.4762 | 40.5814 | 7.1052 | 45.5648 | 33.6828 | 0.2066 | 72.0834 | 34.2928 | 0.8166 | 74.1434 |
| 8/14/2025 | 9:00:00 AM | 33.4796 | 40.5826 | 7.103 | 45.567 | 33.6906 | 0.211 | 72.079 | 34.2915 | 0.8119 | 74.1481 |
| 8/14/2025 | 10:00:00 AM | 33.4862 | 40.5813 | 7.0951 | 45.5749 | 33.6883 | 0.2021 | 72.0879 | 34.2926 | 0.8064 | 74.1536 |
| 8/14/2025 | 11:00:00 AM | 33.4886 | 40.582 | 7.0934 | 45.5766 | 33.6933 | 0.2047 | 72.0853 | 34.2913 | 0.8027 | 74.1573 |
| 8/14/2025 | 12:00:00 PM | 33.4713 | 40.5646 | 7.0933 | 45.5767 | 33.6748 | 0.2035 | 72.0865 | 34.2872 | 0.8159 | 74.1441 |
| 8/14/2025 | 1:00:00 PM | 33.4568 | 40.5507 | 7.0939 | 45.5761 | 33.6631 | 0.2063 | 72.0837 | 34.2844 | 0.8276 | 74.1324 |
| 8/14/2025 | 2:00:00 PM | 33.4446 | 40.5395 | 7.0949 | 45.5751 | 33.6485 | 0.2039 | 72.0861 | 34.2824 | 0.8378 | 74.1222 |
| 8/14/2025 | 3:00:00 PM | 33.4143 | 40.5139 | 7.0996 | 45.5704 | 33.613 | 0.1987 | 72.0913 | 34.277 | 0.8627 | 74.0973 |
| 8/14/2025 | 4:00:00 PM | 33.3933 | 40.4975 | 7.1042 | 45.5658 | 33.592 | 0.1987 | 72.0913 | 34.2736 | 0.8803 | 74.0797 |
| 8/14/2025 | 5:00:00 PM | 33.377 | 40.4875 | 7.1105 | 45.5595 | 33.5788 | 0.2018 | 72.0882 | 34.2733 | 0.8963 | 74.0637 |
| 8/14/2025 | 6:00:00 PM | 33.3586 | 40.4762 | 7.1176 | 45.5524 | 33.5619 | 0.2033 | 72.0867 | 34.2715 | 0.9129 | 74.0471 |
| 8/14/2025 | 7:00:00 PM | 33.3594 | 40.4799 | 7.1205 | 45.5495 | 33.5626 | 0.2032 | 72.0868 | 34.2717 | 0.9123 | 74.0477 |

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| 8/14/2025 | 8:00:00 PM | 33.354 | 40.479 | 7.125 | 45.545 | 33.5575 | 0.2035 | 72.0865 | 34.2714 | 0.9174 | 74.0426 |
| 8/14/2025 | 9:00:00 PM | 33.3771 | 40.5032 | 7.1261 | 45.5439 | 33.581 | 0.2039 | 72.0861 | 34.2748 | 0.8977 | 74.0623 |
| 8/14/2025 | 10:00:00 PM | 33.3822 | 40.5081 | 7.1259 | 45.5441 | 33.5856 | 0.2034 | 72.0866 | 34.2748 | 0.8926 | 74.0674 |
| 8/14/2025 | 11:00:00 PM | 33.3639 | 40.4952 | 7.1313 | 45.5387 | 33.5681 | 0.2042 | 72.0858 | 34.2724 | 0.9085 | 74.0515 |
| 8/15/2025 | 12:00:00 AM | 33.3374 | 40.4773 | 7.1399 | 45.5301 | 33.5426 | 0.2052 | 72.0848 | 34.2693 | 0.9319 | 74.0281 |
| 8/15/2025 | 1:00:00 AM | 33.3306 | 40.4738 | 7.1432 | 45.5268 | 33.532 | 0.2014 | 72.0886 | 34.2686 | 0.938 | 74.022 |
| 8/15/2025 | 2:00:00 AM | 33.3117 | 40.4647 | 7.153 | 45.517 | 33.5187 | 0.207 | 72.083 | 34.2659 | 0.9542 | 74.0058 |
| 8/15/2025 | 3:00:00 AM | 33.303 | 40.4597 | 7.1567 | 45.5133 | 33.5101 | 0.2071 | 72.0829 | 34.2642 | 0.9612 | 73.9988 |
| 8/15/2025 | 4:00:00 AM | 33.2926 | 40.4554 | 7.1628 | 45.5072 | 33.5031 | 0.2105 | 72.0795 | 34.2634 | 0.9708 | 73.9892 |
| 8/15/2025 | 5:00:00 AM | 33.2821 | 40.451 | 7.1689 | 45.5011 | 33.4918 | 0.2097 | 72.0803 | 34.2616 | 0.9795 | 73.9805 |
| 8/15/2025 | 6:00:00 AM | 33.2793 | 40.4535 | 7.1742 | 45.4958 | 33.4931 | 0.2138 | 72.0762 | 34.2626 | 0.9833 | 73.9767 |
| 8/15/2025 | 7:00:00 AM | 33.2756 | 40.454 | 7.1784 | 45.4916 | 33.4889 | 0.2133 | 72.0767 | 34.2628 | 0.9872 | 73.9728 |
| 8/15/2025 | 8:00:00 AM | 33.2741 | 40.4577 | 7.1836 | 45.4864 | 33.4868 | 0.2127 | 72.0773 | 34.2625 | 0.9884 | 73.9716 |
| 8/15/2025 | 9:00:00 AM | 33.2665 | 40.4554 | 7.1889 | 45.4811 | 33.486 | 0.2195 | 72.0705 | 34.2616 | 0.9951 | 73.9649 |
| 8/15/2025 | 10:00:00 AM | 33.2696 | 40.4635 | 7.1939 | 45.4761 | 33.4912 | 0.2216 | 72.0684 | 34.2632 | 0.9936 | 73.9664 |
| 8/15/2025 | 11:00:00 AM | 33.2745 | 40.4695 | 7.195 | 45.475 | 33.4933 | 0.2188 | 72.0712 | 34.2644 | 0.9899 | 73.9701 |
| 8/15/2025 | 12:00:00 PM | 33.2661 | 40.4667 | 7.2006 | 45.4694 | 33.4841 | 0.218 | 72.072 | 34.2633 | 0.9972 | 73.9628 |
| 8/15/2025 | 1:00:00 PM | 33.252 | 40.4583 | 7.2063 | 45.4637 | 33.4732 | 0.2212 | 72.0688 | 34.2613 | 1.0093 | 73.9507 |
| 8/15/2025 | 2:00:00 PM | 33.2478 | 40.46 | 7.2122 | 45.4578 | 33.472 | 0.2242 | 72.0658 | 34.2613 | 1.0135 | 73.9465 |
| 8/15/2025 | 3:00:00 PM | 33.2318 | 40.4529 | 7.2211 | 45.4489 | 33.4592 | 0.2274 | 72.0626 | 34.2601 | 1.0283 | 73.9317 |
| 8/15/2025 | 4:00:00 PM | 33.2242 | 40.4527 | 7.2285 | 45.4415 | 33.4505 | 0.2263 | 72.0637 | 34.2598 | 1.0356 | 73.9244 |
| 8/15/2025 | 5:00:00 PM | 33.2234 | 40.4556 | 7.2322 | 45.4378 | 33.4487 | 0.2253 | 72.0647 | 34.261 | 1.0376 | 73.9224 |
| 8/15/2025 | 6:00:00 PM | 33.2203 | 40.4564 | 7.2361 | 45.4339 | 33.4454 | 0.2251 | 72.0649 | 34.2597 | 1.0394 | 73.9206 |
| 8/15/2025 | 7:00:00 PM | 33.2131 | 40.4577 | 7.2446 | 45.4254 | 33.4427 | 0.2296 | 72.0604 | 34.2594 | 1.0463 | 73.9137 |
| 8/15/2025 | 8:00:00 PM | 33.1974 | 40.4495 | 7.2521 | 45.4179 | 33.4295 | 0.2321 | 72.0579 | 34.2574 | 1.06 | 73.9 |
| 8/15/2025 | 9:00:00 PM | 33.1969 | 40.4536 | 7.2567 | 45.4133 | 33.4381 | 0.2412 | 72.0488 | 34.2576 | 1.0607 | 73.8993 |
| 8/15/2025 | 10:00:00 PM | 33.2165 | 40.4728 | 7.2563 | 45.4137 | 33.4469 | 0.2304 | 72.0596 | 34.2595 | 1.043 | 73.917 |
| 8/15/2025 | 11:00:00 PM | 33.2201 | 40.4788 | 7.2587 | 45.4113 | 33.4551 | 0.235 | 72.055 | 34.2592 | 1.0391 | 73.9209 |
| 8/16/2025 | 12:00:00 AM | 33.2212 | 40.4814 | 7.2602 | 45.4098 | 33.4574 | 0.2362 | 72.0538 | 34.2577 | 1.0365 | 73.9235 |
| 8/16/2025 | 1:00:00 AM | 33.2362 | 40.4952 | 7.259 | 45.411 | 33.4785 | 0.2423 | 72.0477 | 34.2594 | 1.0232 | 73.9368 |
| 8/16/2025 | 2:00:00 AM | 33.2549 | 40.5093 | 7.2544 | 45.4156 | 33.5001 | 0.2452 | 72.0448 | 34.2603 | 1.0054 | 73.9546 |
| 8/16/2025 | 3:00:00 AM | 33.2738 | 40.5238 | 7.25 | 45.42 | 33.512 | 0.2382 | 72.0518 | 34.2615 | 0.9877 | 73.9723 |
| 8/16/2025 | 4:00:00 AM | 33.299 | 40.5415 | 7.2425 | 45.4275 | 33.5424 | 0.2434 | 72.0466 | 34.2622 | 0.9632 | 73.9968 |
| 8/16/2025 | 5:00:00 AM | 33.3197 | 40.5539 | 7.2342 | 45.4358 | 33.5644 | 0.2447 | 72.0453 | 34.2623 | 0.9426 | 74.0174 |
| 8/16/2025 | 6:00:00 AM | 33.3391 | 40.5654 | 7.2263 | 45.4437 | 33.5843 | 0.2452 | 72.0448 | 34.2636 | 0.9245 | 74.0355 |
| 8/16/2025 | 7:00:00 AM | 33.3521 | 40.5714 | 7.2193 | 45.4507 | 33.5972 | 0.2451 | 72.0449 | 34.264 | 0.9119 | 74.0481 |
| 8/16/2025 | 8:00:00 AM | 33.3711 | 40.5806 | 7.2095 | 45.4605 | 33.6143 | 0.2432 | 72.0468 | 34.2647 | 0.8936 | 74.0664 |
| 8/16/2025 | 9:00:00 AM | 33.3824 | 40.5861 | 7.2037 | 45.4663 | 33.6284 | 0.246 | 72.044 | 34.2643 | 0.8819 | 74.0781 |
| 8/16/2025 | 10:00:00 AM | 33.3934 | 40.5901 | 7.1967 | 45.4733 | 33.635 | 0.2416 | 72.0484 | 34.2645 | 0.8711 | 74.0889 |
| 8/16/2025 | 11:00:00 AM | 33.4067 | 40.5954 | 7.1887 | 45.4813 | 33.6516 | 0.2449 | 72.0451 | 34.2647 | 0.858 | 74.102 |
| 8/16/2025 | 12:00:00 PM | 33.42 | 40.6004 | 7.1804 | 45.4896 | 33.66 | 0.24 | 72.05 | 34.2659 | 0.8459 | 74.1141 |
| 8/16/2025 | 1:00:00 PM | 33.427 | 40.5996 | 7.1726 | 45.4974 | 33.6647 | 0.2377 | 72.0523 | 34.264 | 0.837 | 74.123 |
| 8/16/2025 | 2:00:00 PM | 33.4359 | 40.603 | 7.1671 | 45.5029 | 33.674 | 0.2381 | 72.0519 | 34.2648 | 0.8289 | 74.1311 |
| 8/16/2025 | 3:00:00 PM | 33.4344 | 40.5977 | 7.1633 | 45.5067 | 33.6712 | 0.2368 | 72.0532 | 34.2621 | 0.8277 | 74.1323 |
| 8/16/2025 | 4:00:00 PM | 33.431 | 40.5903 | 7.1593 | 45.5107 | 33.6643 | 0.2333 | 72.0567 | 34.2616 | 0.8306 | 74.1294 |
| 8/16/2025 | 5:00:00 PM | 33.427 | 40.584 | 7.157 | 45.513 | 33.6591 | 0.2321 | 72.0579 | 34.2598 | 0.8328 | 74.1272 |
| 8/16/2025 | 6:00:00 PM | 33.4309 | 40.585 | 7.1541 | 45.5159 | 33.6617 | 0.2308 | 72.0592 | 34.2593 | 0.8284 | 74.1316 |
| 8/16/2025 | 7:00:00 PM | 33.4353 | 40.5861 | 7.1508 | 45.5192 | 33.6703 | 0.235 | 72.055 | 34.2591 | 0.8238 | 74.1362 |
| 8/16/2025 | 8:00:00 PM | 33.4491 | 40.5961 | 7.147 | 45.523 | 33.6802 | 0.2311 | 72.0589 | 34.2614 | 0.8123 | 74.1477 |
| 8/16/2025 | 9:00:00 PM | 33.4583 | 40.6016 | 7.1433 | 45.5267 | 33.6883 | 0.23 | 72.06 | 34.2608 | 0.8025 | 74.1575 |
| 8/16/2025 | 10:00:00 PM | 33.4597 | 40.5985 | 7.1388 | 45.5312 | 33.687 | 0.2273 | 72.0627 | 34.2598 | 0.8001 | 74.1599 |
| 8/16/2025 | 11:00:00 PM | 33.4564 | 40.5941 | 7.1377 | 45.5323 | 33.6844 | 0.228 | 72.062 | 34.2577 | 0.8013 | 74.1587 |
| 8/17/2025 | 12:00:00 AM | 33.4581 | 40.5941 | 7.136 | 45.534 | 33.6857 | 0.2276 | 72.0624 | 34.2569 | 0.7988 | 74.1612 |
| 8/17/2025 | 1:00:00 AM | 33.4596 | 40.5932 | 7.1336 | 45.5364 | 33.6849 | 0.2253 | 72.0647 | 34.2563 | 0.7967 | 74.1633 |
| 8/17/2025 | 2:00:00 AM | 33.4604 | 40.5921 | 7.1317 | 45.5383 | 33.6862 | 0.2258 | 72.0642 | 34.2542 | 0.7938 | 74.1662 |
| 8/17/2025 | 3:00:00 AM | 33.4635 | 40.5925 | 7.129 | 45.541 | 33.6844 | 0.2209 | 72.0691 | 34.2546 | 0.7911 | 74.1689 |
| 8/17/2025 | 4:00:00 AM | 33.4643 | 40.5913 | 7.127 | 45.543 | 33.6859 | 0.2216 | 72.0684 | 34.2544 | 0.7901 | 74.1699 |
| 8/17/2025 | 5:00:00 AM | 33.4657 | 40.5911 | 7.1254 | 45.5446 | 33.6896 | 0.2239 | 72.0661 | 34.2534 | 0.7877 | 74.1723 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/17/2025 | 6:00:00 AM | 33.4762 | 40.5978 | 7.1216 | 45.5484 | 33.6991 | 0.2229 | 72.0671 | 34.2529 | 0.7767 | 74.1833 |
| 8/17/2025 | 7:00:00 AM | 33.4844 | 40.6026 | 7.1182 | 45.5518 | 33.7073 | 0.2229 | 72.0671 | 34.2539 | 0.7695 | 74.1905 |
| 8/17/2025 | 8:00:00 AM | 33.4908 | 40.6037 | 7.1129 | 45.5571 | 33.7093 | 0.2185 | 72.0715 | 34.2535 | 0.7627 | 74.1973 |
| 8/17/2025 | 9:00:00 AM | 33.49 | 40.602 | 7.112 | 45.558 | 33.7092 | 0.2192 | 72.0708 | 34.2517 | 0.7617 | 74.1983 |
| 8/17/2025 | 10:00:00 AM | 33.4938 | 40.602 | 7.1082 | 45.5618 | 33.7115 | 0.2177 | 72.0723 | 34.2529 | 0.7591 | 74.2009 |
| 8/17/2025 | 11:00:00 AM | 33.4982 | 40.6041 | 7.1059 | 45.5641 | 33.7126 | 0.2144 | 72.0756 | 34.252 | 0.7538 | 74.2062 |
| 8/17/2025 | 12:00:00 PM | 33.4917 | 40.5968 | 7.1051 | 45.5649 | 33.7048 | 0.2131 | 72.0769 | 34.2513 | 0.7596 | 74.2004 |
| 8/17/2025 | 1:00:00 PM | 33.4798 | 40.5842 | 7.1044 | 45.5656 | 33.6871 | 0.2073 | 72.0827 | 34.2479 | 0.7681 | 74.1919 |
| 8/17/2025 | 2:00:00 PM | 33.4706 | 40.5775 | 7.1069 | 45.5631 | 33.6794 | 0.2088 | 72.0812 | 34.2474 | 0.7768 | 74.1832 |
| 8/17/2025 | 3:00:00 PM | 33.4557 | 40.5623 | 7.1066 | 45.5634 | 33.659 | 0.2033 | 72.0867 | 34.2435 | 0.7878 | 74.1722 |
| 8/17/2025 | 4:00:00 PM | 33.4387 | 40.5498 | 7.1111 | 45.5589 | 33.6413 | 0.2026 | 72.0874 | 34.2418 | 0.8031 | 74.1569 |
| 8/17/2025 | 5:00:00 PM | 33.4285 | 40.544 | 7.1155 | 45.5545 | 33.6333 | 0.2048 | 72.0852 | 34.2392 | 0.8107 | 74.1493 |
| 8/17/2025 | 6:00:00 PM | 33.4186 | 40.5362 | 7.1176 | 45.5524 | 33.621 | 0.2024 | 72.0876 | 34.2378 | 0.8192 | 74.1408 |
| 8/17/2025 | 7:00:00 PM | 33.4072 | 40.5282 | 7.121 | 45.549 | 33.6085 | 0.2013 | 72.0887 | 34.2363 | 0.8291 | 74.1309 |
| 8/17/2025 | 8:00:00 PM | 33.4057 | 40.5302 | 7.1245 | 45.5455 | 33.6084 | 0.2027 | 72.0873 | 34.2353 | 0.8296 | 74.1304 |
| 8/17/2025 | 9:00:00 PM | 33.4097 | 40.5346 | 7.1249 | 45.5451 | 33.6102 | 0.2005 | 72.0895 | 34.2363 | 0.8266 | 74.1334 |
| 8/17/2025 | 10:00:00 PM | 33.3902 | 40.5199 | 7.1297 | 45.5403 | 33.5897 | 0.1995 | 72.0905 | 34.233 | 0.8428 | 74.1172 |
| 8/17/2025 | 11:00:00 PM | 33.3806 | 40.5143 | 7.1337 | 45.5363 | 33.5846 | 0.204 | 72.086 | 34.2312 | 0.8506 | 74.1094 |
| 8/18/2025 | 12:00:00 AM | 33.3798 | 40.5161 | 7.1363 | 45.5337 | 33.5849 | 0.2051 | 72.0849 | 34.2309 | 0.8511 | 74.1089 |
| 8/18/2025 | 1:00:00 AM | 33.3861 | 40.5218 | 7.1357 | 45.5343 | 33.5818 | 0.1957 | 72.0943 | 34.2324 | 0.8463 | 74.1137 |
| 8/18/2025 | 2:00:00 AM | 33.3889 | 40.5286 | 7.1397 | 45.5303 | 33.5877 | 0.1988 | 72.0912 | 34.2322 | 0.8433 | 74.1167 |
| 8/18/2025 | 3:00:00 AM | 33.3859 | 40.5268 | 7.1409 | 45.5291 | 33.5929 | 0.207 | 72.083 | 34.2304 | 0.8445 | 74.1155 |
| 8/18/2025 | 4:00:00 AM | 33.4063 | 40.543 | 7.1367 | 45.5333 | 33.608 | 0.2017 | 72.0883 | 34.2334 | 0.8271 | 74.1329 |
| 8/18/2025 | 5:00:00 AM | 33.399 | 40.5355 | 7.1365 | 45.5335 | 33.6021 | 0.2031 | 72.0869 | 34.2305 | 0.8315 | 74.1285 |
| 8/18/2025 | 6:00:00 AM | 33.4141 | 40.5472 | 7.1331 | 45.5369 | 33.6198 | 0.2057 | 72.0843 | 34.2328 | 0.8187 | 74.1413 |
| 8/18/2025 | 7:00:00 AM | 33.4264 | 40.5555 | 7.1291 | 45.5409 | 33.6312 | 0.2048 | 72.0852 | 34.2339 | 0.8075 | 74.1525 |
| 8/18/2025 | 8:00:00 AM | 33.4392 | 40.5643 | 7.1251 | 45.5449 | 33.6452 | 0.206 | 72.084 | 34.2352 | 0.796 | 74.164 |
| 8/18/2025 | 9:00:00 AM | 33.4588 | 40.5777 | 7.1189 | 45.5511 | 33.661 | 0.2022 | 72.0878 | 34.2371 | 0.7783 | 74.1817 |
| 8/18/2025 | 10:00:00 AM | 33.4635 | 40.5776 | 7.1141 | 45.5559 | 33.6652 | 0.2017 | 72.0883 | 34.2363 | 0.7728 | 74.1872 |
| 8/18/2025 | 11:00:00 AM | 33.47 | 40.5809 | 7.1109 | 45.5591 | 33.6702 | 0.2002 | 72.0898 | 34.2357 | 0.7657 | 74.1943 |
| 8/18/2025 | 12:00:00 PM | 33.4724 | 40.5781 | 7.1057 | 45.5643 | 33.6681 | 0.1957 | 72.0943 | 34.2359 | 0.7635 | 74.1965 |
| 8/18/2025 | 1:00:00 PM | 33.4709 | 40.5767 | 7.1058 | 45.5642 | 33.6686 | 0.1977 | 72.0923 | 34.2356 | 0.7647 | 74.1953 |
| 8/18/2025 | 2:00:00 PM | 33.4679 | 40.5705 | 7.1026 | 45.5674 | 33.6656 | 0.1977 | 72.0923 | 34.2334 | 0.7655 | 74.1945 |
| 8/18/2025 | 3:00:00 PM | 33.4688 | 40.5718 | 7.103 | 45.567 | 33.6641 | 0.1953 | 72.0947 | 34.2346 | 0.7658 | 74.1942 |
| 8/18/2025 | 4:00:00 PM | 33.4667 | 40.5658 | 7.0991 | 45.5709 | 33.6569 | 0.1902 | 72.0998 | 34.2336 | 0.7669 | 74.1931 |
| 8/18/2025 | 5:00:00 PM | 33.4742 | 40.5712 | 7.097 | 45.573 | 33.6632 | 0.189 | 72.101 | 34.2342 | 0.76 | 74.2 |
| 8/18/2025 | 6:00:00 PM | 33.4763 | 40.5725 | 7.0962 | 45.5738 | 33.6655 | 0.1892 | 72.1008 | 34.2341 | 0.7578 | 74.2022 |
| 8/18/2025 | 7:00:00 PM | 33.4787 | 40.5721 | 7.0934 | 45.5766 | 33.6664 | 0.1877 | 72.1023 | 34.232 | 0.7533 | 74.2067 |
| 8/18/2025 | 8:00:00 PM | 33.4892 | 40.5804 | 7.0912 | 45.5788 | 33.6784 | 0.1892 | 72.1008 | 34.2338 | 0.7446 | 74.2154 |
| 8/18/2025 | 9:00:00 PM | 33.5071 | 40.5914 | 7.0843 | 45.5857 | 33.6929 | 0.1858 | 72.1042 | 34.2347 | 0.7276 | 74.2324 |
| 8/18/2025 | 10:00:00 PM | 33.52 | 40.6004 | 7.0804 | 45.5896 | 33.7073 | 0.1873 | 72.1027 | 34.2367 | 0.7167 | 74.2433 |
| 8/18/2025 | 11:00:00 PM | 33.5218 | 40.5991 | 7.0773 | 45.5927 | 33.7071 | 0.1853 | 72.1047 | 34.2348 | 0.713 | 74.247 |
| 8/19/2025 | 12:00:00 AM | 33.5255 | 40.5997 | 7.0742 | 45.5958 | 33.709 | 0.1835 | 72.1065 | 34.2343 | 0.7088 | 74.2512 |
| 8/19/2025 | 1:00:00 AM | 33.5362 | 40.6065 | 7.0703 | 45.5997 | 33.7192 | 0.183 | 72.107 | 34.2346 | 0.6984 | 74.2616 |
| 8/19/2025 | 2:00:00 AM | 33.5354 | 40.6016 | 7.0662 | 45.6038 | 33.7189 | 0.1835 | 72.1065 | 34.2329 | 0.6975 | 74.2625 |
| 8/19/2025 | 3:00:00 AM | 33.5457 | 40.6086 | 7.0629 | 45.6071 | 33.7272 | 0.1815 | 72.1085 | 34.2344 | 0.6887 | 74.2713 |
| 8/19/2025 | 4:00:00 AM | 33.5527 | 40.61 | 7.0573 | 45.6127 | 33.7332 | 0.1805 | 72.1095 | 34.2338 | 0.6811 | 74.2789 |
| 8/19/2025 | 5:00:00 AM | 33.5573 | 40.6109 | 7.0536 | 45.6164 | 33.7392 | 0.1819 | 72.1081 | 34.2332 | 0.6759 | 74.2841 |
| 8/19/2025 | 6:00:00 AM | 33.5697 | 40.6177 | 7.048 | 45.622 | 33.7509 | 0.1812 | 72.1088 | 34.2341 | 0.6644 | 74.2956 |
| 8/19/2025 | 7:00:00 AM | 33.584 | 40.6247 | 7.0407 | 45.6293 | 33.7629 | 0.1789 | 72.1111 | 34.235 | 0.651 | 74.309 |
| 8/19/2025 | 8:00:00 AM | 33.5939 | 40.6273 | 7.0334 | 45.6366 | 33.7712 | 0.1773 | 72.1127 | 34.2344 | 0.6405 | 74.3195 |
| 8/19/2025 | 9:00:00 AM | 33.5999 | 40.6291 | 7.0292 | 45.6408 | 33.7769 | 0.177 | 72.113 | 34.2346 | 0.6347 | 74.3253 |
| 8/19/2025 | 10:00:00 AM | 33.6038 | 40.627 | 7.0232 | 45.6468 | 33.7794 | 0.1756 | 72.1144 | 34.234 | 0.6302 | 74.3298 |
| 8/19/2025 | 11:00:00 AM | 33.6028 | 40.6213 | 7.0185 | 45.6515 | 33.7694 | 0.1666 | 72.1234 | 34.2338 | 0.631 | 74.329 |
| 8/19/2025 | 12:00:00 PM | 33.6042 | 40.6191 | 7.0149 | 45.6551 | 33.7728 | 0.1686 | 72.1214 | 34.2336 | 0.6294 | 74.3306 |
| 8/19/2025 | 1:00:00 PM | 33.6017 | 40.6125 | 7.0108 | 45.6592 | 33.7685 | 0.1668 | 72.1232 | 34.2325 | 0.6308 | 74.3292 |
| 8/19/2025 | 2:00:00 PM | 33.6013 | 40.6097 | 7.0084 | 45.6616 | 33.7645 | 0.1632 | 72.1268 | 34.2328 | 0.6315 | 74.3285 |
| 8/19/2025 | 3:00:00 PM | 33.6016 | 40.6075 | 7.0059 | 45.6641 | 33.7621 | 0.1605 | 72.1295 | 34.2327 | 0.6311 | 74.3289 |

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| 8/19/2025 | 4:00:00 PM | 33.6002 | 40.6053 | 7.0051 | 45.6649 | 33.7588 | 0.1586 | 72.1314 | 34.2329 | 0.6327 | 74.3273 |
| 8/19/2025 | 5:00:00 PM | 33.6052 | 40.6068 | 7.0016 | 45.6684 | 33.7633 | 0.1581 | 72.1319 | 34.2327 | 0.6275 | 74.3325 |
| 8/19/2025 | 6:00:00 PM | 33.6064 | 40.608 | 7.0016 | 45.6684 | 33.7648 | 0.1584 | 72.1316 | 34.2332 | 0.6268 | 74.3332 |
| 8/19/2025 | 7:00:00 PM | 33.6082 | 40.6082 | 7 | 45.67 | 33.764 | 0.1558 | 72.1342 | 34.2334 | 0.6252 | 74.3348 |
| 8/19/2025 | 8:00:00 PM | 33.6269 | 40.6214 | 6.9945 | 45.6755 | 33.7803 | 0.1534 | 72.1366 | 34.2359 | 0.609 | 74.351 |
| 8/19/2025 | 9:00:00 PM | 33.639 | 40.63 | 6.991 | 45.679 | 33.792 | 0.153 | 72.137 | 34.2361 | 0.5971 | 74.3629 |
| 8/19/2025 | 10:00:00 PM | 33.6502 | 40.6345 | 6.9843 | 45.6857 | 33.8007 | 0.1505 | 72.1395 | 34.2375 | 0.5873 | 74.3727 |
| 8/19/2025 | 11:00:00 PM | 33.6501 | 40.6303 | 6.9802 | 45.6898 | 33.7989 | 0.1488 | 72.1412 | 34.2366 | 0.5865 | 74.3735 |
| 8/20/2025 | 12:00:00 AM | 33.647 | 40.6252 | 6.9782 | 45.6918 | 33.7926 | 0.1456 | 72.1444 | 34.2348 | 0.5878 | 74.3722 |
| 8/20/2025 | 1:00:00 AM | 33.6537 | 40.6308 | 6.9771 | 45.6929 | 33.7974 | 0.1437 | 72.1463 | 34.2357 | 0.582 | 74.378 |
| 8/20/2025 | 2:00:00 AM | 33.6574 | 40.6299 | 6.9725 | 45.6975 | 33.8023 | 0.1449 | 72.1451 | 34.2356 | 0.5782 | 74.3818 |
| 8/20/2025 | 3:00:00 AM | 33.6666 | 40.6382 | 6.9716 | 45.6984 | 33.8133 | 0.1467 | 72.1433 | 34.2369 | 0.5703 | 74.3897 |
| 8/20/2025 | 4:00:00 AM | 33.6734 | 40.6403 | 6.9669 | 45.7031 | 33.8172 | 0.1438 | 72.1462 | 34.2365 | 0.5631 | 74.3969 |
| 8/20/2025 | 5:00:00 AM | 33.6816 | 40.6433 | 6.9617 | 45.7083 | 33.823 | 0.1414 | 72.1486 | 34.2377 | 0.5561 | 74.4039 |
| 8/20/2025 | 6:00:00 AM | 33.692 | 40.6485 | 6.9565 | 45.7135 | 33.8312 | 0.1392 | 72.1508 | 34.2382 | 0.5462 | 74.4138 |
| 8/20/2025 | 7:00:00 AM | 33.706 | 40.6563 | 6.9503 | 45.7197 | 33.8445 | 0.1385 | 72.1515 | 34.2396 | 0.5336 | 74.4264 |
| 8/20/2025 | 8:00:00 AM | 33.7217 | 40.6649 | 6.9432 | 45.7268 | 33.8583 | 0.1366 | 72.1534 | 34.2411 | 0.5194 | 74.4406 |
| 8/20/2025 | 9:00:00 AM | 33.7343 | 40.6707 | 6.9364 | 45.7336 | 33.8684 | 0.1341 | 72.1559 | 34.2422 | 0.5079 | 74.4521 |
| 8/20/2025 | 10:00:00 AM | 33.7436 | 40.6734 | 6.9298 | 45.7402 | 33.876 | 0.1324 | 72.1576 | 34.2422 | 0.4986 | 74.4614 |
| 8/20/2025 | 11:00:00 AM | 33.7447 | 40.6685 | 6.9238 | 45.7462 | 33.872 | 0.1273 | 72.1627 | 34.242 | 0.4973 | 74.4627 |
| 8/20/2025 | 12:00:00 PM | 33.7483 | 40.6679 | 6.9196 | 45.7504 | 33.8744 | 0.1261 | 72.1639 | 34.2415 | 0.4932 | 74.4668 |
| 8/20/2025 | 1:00:00 PM | 33.7428 | 40.6583 | 6.9155 | 45.7545 | 33.8655 | 0.1227 | 72.1673 | 34.2412 | 0.4984 | 74.4616 |
| 8/20/2025 | 2:00:00 PM | 33.7474 | 40.6596 | 6.9122 | 45.7578 | 33.8659 | 0.1185 | 72.1715 | 34.2426 | 0.4952 | 74.4648 |
| 8/20/2025 | 3:00:00 PM | 33.7424 | 40.6533 | 6.9109 | 45.7591 | 33.8598 | 0.1174 | 72.1726 | 34.242 | 0.4996 | 74.4604 |
| 8/20/2025 | 4:00:00 PM | 33.7458 | 40.6524 | 6.9066 | 45.7634 | 33.8598 | 0.114 | 72.176 | 34.2421 | 0.4963 | 74.4637 |
| 8/20/2025 | 5:00:00 PM | 33.7468 | 40.6524 | 6.9056 | 45.7644 | 33.8589 | 0.1121 | 72.1779 | 34.2443 | 0.4975 | 74.4625 |
| 8/20/2025 | 6:00:00 PM | 33.7417 | 40.6475 | 6.9058 | 45.7642 | 33.8518 | 0.1101 | 72.1799 | 34.2446 | 0.5029 | 74.4571 |
| 8/20/2025 | 7:00:00 PM | 33.7385 | 40.6452 | 6.9067 | 45.7633 | 33.8461 | 0.1076 | 72.1824 | 34.244 | 0.5055 | 74.4545 |
| 8/20/2025 | 8:00:00 PM | 33.7407 | 40.6461 | 6.9054 | 45.7646 | 33.8464 | 0.1057 | 72.1843 | 34.2464 | 0.5057 | 74.4543 |
| 8/20/2025 | 9:00:00 PM | 33.7515 | 40.655 | 6.9035 | 45.7665 | 33.8552 | 0.1037 | 72.1863 | 34.2477 | 0.4962 | 74.4638 |
| 8/20/2025 | 10:00:00 PM | 33.7579 | 40.6593 | 6.9014 | 45.7686 | 33.859 | 0.1011 | 72.1889 | 34.2488 | 0.4909 | 74.4691 |
| 8/20/2025 | 11:00:00 PM | 33.7534 | 40.6561 | 6.9027 | 45.7673 | 33.8544 | 0.101 | 72.189 | 34.2479 | 0.4945 | 74.4655 |
| 8/21/2025 | 12:00:00 AM | 33.7566 | 40.6591 | 6.9025 | 45.7675 | 33.8574 | 0.1008 | 72.1892 | 34.2489 | 0.4923 | 74.4677 |
| 8/21/2025 | 1:00:00 AM | 33.7529 | 40.6557 | 6.9028 | 45.7672 | 33.8539 | 0.101 | 72.189 | 34.2484 | 0.4955 | 74.4645 |
| 8/21/2025 | 2:00:00 AM | 33.7501 | 40.654 | 6.9039 | 45.7661 | 33.8498 | 0.0997 | 72.1903 | 34.2485 | 0.4984 | 74.4616 |
| 8/21/2025 | 3:00:00 AM | 33.7393 | 40.6475 | 6.9082 | 45.7618 | 33.8387 | 0.0994 | 72.1906 | 34.2467 | 0.5074 | 74.4526 |
| 8/21/2025 | 4:00:00 AM | 33.7308 | 40.64 | 6.9092 | 45.7608 | 33.8307 | 0.0999 | 72.1901 | 34.2466 | 0.5158 | 74.4442 |
| 8/21/2025 | 5:00:00 AM | 33.7229 | 40.6359 | 6.913 | 45.757 | 33.8219 | 0.099 | 72.191 | 34.2467 | 0.5238 | 74.4362 |
| 8/21/2025 | 6:00:00 AM | 33.7213 | 40.6343 | 6.913 | 45.757 | 33.8191 | 0.0978 | 72.1922 | 34.2459 | 0.5246 | 74.4354 |
| 8/21/2025 | 7:00:00 AM | 33.7226 | 40.6365 | 6.9139 | 45.7561 | 33.8185 | 0.0959 | 72.1941 | 34.2471 | 0.5245 | 74.4355 |
| 8/21/2025 | 8:00:00 AM | 33.7278 | 40.6411 | 6.9133 | 45.7567 | 33.8227 | 0.0949 | 72.1951 | 34.248 | 0.5202 | 74.4398 |
| 8/21/2025 | 9:00:00 AM | 33.7229 | 40.6366 | 6.9137 | 45.7563 | 33.8161 | 0.0932 | 72.1968 | 34.2479 | 0.525 | 74.435 |
| 8/21/2025 | 10:00:00 AM | 33.7099 | 40.6248 | 6.9149 | 45.7551 | 33.8034 | 0.0935 | 72.1965 | 34.2457 | 0.5358 | 74.4242 |
| 8/21/2025 | 11:00:00 AM | 33.6977 | 40.6144 | 6.9167 | 45.7533 | 33.7885 | 0.0908 | 72.1992 | 34.2442 | 0.5465 | 74.4135 |
| 8/21/2025 | 12:00:00 PM | 33.6819 | 40.6026 | 6.9207 | 45.7493 | 33.7727 | 0.0908 | 72.1992 | 34.2427 | 0.5608 | 74.3992 |
| 8/21/2025 | 1:00:00 PM | 33.6627 | 40.5881 | 6.9254 | 45.7446 | 33.7495 | 0.0868 | 72.2032 | 34.2426 | 0.5799 | 74.3801 |
| 8/21/2025 | 2:00:00 PM | 33.6425 | 40.5755 | 6.933 | 45.737 | 33.7292 | 0.0867 | 72.2033 | 34.2413 | 0.5988 | 74.3612 |
| 8/21/2025 | 3:00:00 PM | 33.6213 | 40.5596 | 6.9383 | 45.7317 | 33.7029 | 0.0816 | 72.2084 | 34.2413 | 0.62 | 74.34 |
| 8/21/2025 | 4:00:00 PM | 33.5967 | 40.5458 | 6.9491 | 45.7209 | 33.6791 | 0.0824 | 72.2076 | 34.2389 | 0.6422 | 74.3178 |
| 8/21/2025 | 5:00:00 PM | 33.582 | 40.5357 | 6.9537 | 45.7163 | 33.6596 | 0.0776 | 72.2124 | 34.24 | 0.658 | 74.302 |
| 8/21/2025 | 6:00:00 PM | 33.5687 | 40.5322 | 6.9635 | 45.7065 | 33.6458 | 0.0771 | 72.2129 | 34.24 | 0.6713 | 74.2887 |
| 8/21/2025 | 7:00:00 PM | 33.5581 | 40.5307 | 6.9726 | 45.6974 | 33.6359 | 0.0778 | 72.2122 | 34.2412 | 0.6831 | 74.2769 |
| 8/21/2025 | 8:00:00 PM | 33.5536 | 40.5337 | 6.9801 | 45.6899 | 33.6316 | 0.078 | 72.212 | 34.2423 | 0.6887 | 74.2713 |
| 8/21/2025 | 9:00:00 PM | 33.5587 | 40.5446 | 6.9859 | 45.6841 | 33.6369 | 0.0782 | 72.2118 | 34.2448 | 0.6861 | 74.2739 |
| 8/21/2025 | 10:00:00 PM | 33.5615 | 40.5521 | 6.9906 | 45.6794 | 33.6397 | 0.0782 | 72.2118 | 34.2469 | 0.6854 | 74.2746 |
| 8/21/2025 | 11:00:00 PM | 33.5618 | 40.5558 | 6.994 | 45.676 | 33.6395 | 0.0777 | 72.2123 | 34.2472 | 0.6854 | 74.2746 |
| 8/22/2025 | 12:00:00 AM | 33.5612 | 40.5583 | 6.9971 | 45.6729 | 33.6387 | 0.0775 | 72.2125 | 34.2476 | 0.6864 | 74.2736 |
| 8/22/2025 | 1:00:00 AM | 33.5527 | 40.5558 | 7.0031 | 45.6669 | 33.6305 | 0.0778 | 72.2122 | 34.247 | 0.6943 | 74.2657 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/22/2025 | 2:00:00 AM | 33.5333 | 40.5443 | 7.011 | 45.659 | 33.6132 | 0.0799 | 72.2101 | 34.2449 | 0.7116 | 74.2484 |
| 8/22/2025 | 3:00:00 AM | 33.5308 | 40.5478 | 7.017 | 45.653 | 33.6115 | 0.0807 | 72.2093 | 34.2459 | 0.7151 | 74.2449 |
| 8/22/2025 | 4:00:00 AM | 33.5247 | 40.5469 | 7.0222 | 45.6478 | 33.605 | 0.0803 | 72.2097 | 34.2464 | 0.7217 | 74.2383 |
| 8/22/2025 | 5:00:00 AM | 33.5211 | 40.549 | 7.0279 | 45.6421 | 33.6025 | 0.0814 | 72.2086 | 34.2469 | 0.7258 | 74.2342 |
| 8/22/2025 | 6:00:00 AM | 33.5174 | 40.5496 | 7.0322 | 45.6378 | 33.6013 | 0.0839 | 72.2061 | 34.2487 | 0.7313 | 74.2287 |
| 8/22/2025 | 7:00:00 AM | 33.5245 | 40.5576 | 7.0331 | 45.6369 | 33.6077 | 0.0832 | 72.2068 | 34.2489 | 0.7244 | 74.2356 |
| 8/22/2025 | 8:00:00 AM | 33.5237 | 40.5587 | 7.035 | 45.635 | 33.6081 | 0.0844 | 72.2056 | 34.2506 | 0.7269 | 74.2331 |
| 8/22/2025 | 9:00:00 AM | 33.527 | 40.5618 | 7.0348 | 45.6352 | 33.6108 | 0.0838 | 72.2062 | 34.2505 | 0.7235 | 74.2365 |
| 8/22/2025 | 10:00:00 AM | 33.5207 | 40.5576 | 7.0369 | 45.6331 | 33.6063 | 0.0856 | 72.2044 | 34.2482 | 0.7275 | 74.2325 |
| 8/22/2025 | 11:00:00 AM | 33.5183 | 40.5553 | 7.037 | 45.633 | 33.6015 | 0.0832 | 72.2068 | 34.2494 | 0.7311 | 74.2289 |
| 8/22/2025 | 12:00:00 PM | 33.4993 | 40.5381 | 7.0388 | 45.6312 | 33.5822 | 0.0829 | 72.2071 | 34.2461 | 0.7468 | 74.2132 |
| 8/22/2025 | 1:00:00 PM | 33.4763 | 40.5226 | 7.0463 | 45.6237 | 33.559 | 0.0827 | 72.2073 | 34.2449 | 0.7686 | 74.1914 |
| 8/22/2025 | 2:00:00 PM | 33.4585 | 40.5102 | 7.0517 | 45.6183 | 33.5397 | 0.0812 | 72.2088 | 34.2436 | 0.7851 | 74.1749 |
| 8/22/2025 | 3:00:00 PM | 33.4375 | 40.4946 | 7.0571 | 45.6129 | 33.5155 | 0.078 | 72.212 | 34.2416 | 0.8041 | 74.1559 |
| 8/22/2025 | 4:00:00 PM | 33.4157 | 40.4814 | 7.0657 | 45.6043 | 33.4928 | 0.0771 | 72.2129 | 34.2407 | 0.825 | 74.135 |
| 8/22/2025 | 5:00:00 PM | 33.3944 | 40.4709 | 7.0765 | 45.5935 | 33.4716 | 0.0772 | 72.2128 | 34.2405 | 0.8461 | 74.1139 |
| 8/22/2025 | 6:00:00 PM | 33.3791 | 40.4655 | 7.0864 | 45.5836 | 33.4599 | 0.0808 | 72.2092 | 34.2409 | 0.8618 | 74.0982 |
| 8/22/2025 | 7:00:00 PM | 33.3726 | 40.4666 | 7.094 | 45.576 | 33.4505 | 0.0779 | 72.2121 | 34.2414 | 0.8688 | 74.0912 |
| 8/22/2025 | 8:00:00 PM | 33.3689 | 40.4725 | 7.1036 | 45.5664 | 33.4508 | 0.0819 | 72.2081 | 34.2421 | 0.8732 | 74.0868 |
| 8/22/2025 | 9:00:00 PM | 33.3833 | 40.4894 | 7.1061 | 45.5639 | 33.4666 | 0.0833 | 72.2067 | 34.2462 | 0.8629 | 74.0971 |
| 8/22/2025 | 10:00:00 PM | 33.4002 | 40.5059 | 7.1057 | 45.5643 | 33.4827 | 0.0825 | 72.2075 | 34.2488 | 0.8486 | 74.1114 |
| 8/22/2025 | 11:00:00 PM | 33.4062 | 40.5133 | 7.1071 | 45.5629 | 33.4904 | 0.0842 | 72.2058 | 34.2489 | 0.8427 | 74.1173 |
| 8/23/2025 | 12:00:00 AM | 33.4101 | 40.517 | 7.1069 | 45.5631 | 33.4948 | 0.0847 | 72.2053 | 34.25 | 0.8399 | 74.1201 |
| 8/23/2025 | 1:00:00 AM | 33.4128 | 40.5205 | 7.1077 | 45.5623 | 33.4978 | 0.085 | 72.205 | 34.2489 | 0.8361 | 74.1239 |
| 8/23/2025 | 2:00:00 AM | 33.4109 | 40.5213 | 7.1104 | 45.5596 | 33.499 | 0.0881 | 72.2019 | 34.2489 | 0.838 | 74.122 |
| 8/23/2025 | 3:00:00 AM | 33.416 | 40.5258 | 7.1098 | 45.5602 | 33.5029 | 0.0869 | 72.2031 | 34.2502 | 0.8342 | 74.1258 |
| 8/23/2025 | 4:00:00 AM | 33.4177 | 40.528 | 7.1103 | 45.5597 | 33.5059 | 0.0882 | 72.2018 | 34.252 | 0.8343 | 74.1257 |
| 8/23/2025 | 5:00:00 AM | 33.4225 | 40.533 | 7.1105 | 45.5595 | 33.5122 | 0.0897 | 72.2003 | 34.2519 | 0.8294 | 74.1306 |
| 8/23/2025 | 6:00:00 AM | 33.4234 | 40.5346 | 7.1112 | 45.5588 | 33.5151 | 0.0917 | 72.1983 | 34.2519 | 0.8285 | 74.1315 |
| 8/23/2025 | 7:00:00 AM | 33.4342 | 40.544 | 7.1098 | 45.5602 | 33.5297 | 0.0955 | 72.1945 | 34.2546 | 0.8204 | 74.1396 |
| 8/23/2025 | 8:00:00 AM | 33.4334 | 40.5424 | 7.109 | 45.561 | 33.5293 | 0.0959 | 72.1941 | 34.2534 | 0.82 | 74.14 |
| 8/23/2025 | 9:00:00 AM | 33.4271 | 40.5342 | 7.1071 | 45.5629 | 33.523 | 0.0959 | 72.1941 | 34.2523 | 0.8252 | 74.1348 |
| 8/23/2025 | 10:00:00 AM | 33.4181 | 40.5267 | 7.1086 | 45.5614 | 33.5154 | 0.0973 | 72.1927 | 34.2498 | 0.8317 | 74.1283 |
| 8/23/2025 | 11:00:00 AM | 33.4078 | 40.5159 | 7.1081 | 45.5619 | 33.5062 | 0.0984 | 72.1916 | 34.2492 | 0.8414 | 74.1186 |
| 8/23/2025 | 12:00:00 PM | 33.4 | 40.5099 | 7.1099 | 45.5601 | 33.4958 | 0.0958 | 72.1942 | 34.2481 | 0.8481 | 74.1119 |
| 8/23/2025 | 1:00:00 PM | 33.3862 | 40.4985 | 7.1123 | 45.5577 | 33.4828 | 0.0966 | 72.1934 | 34.2482 | 0.862 | 74.098 |
| 8/23/2025 | 2:00:00 PM | 33.3749 | 40.4882 | 7.1133 | 45.5567 | 33.469 | 0.0941 | 72.1959 | 34.2462 | 0.8713 | 74.0887 |
| 8/23/2025 | 3:00:00 PM | 33.3499 | 40.4701 | 7.1202 | 45.5498 | 33.4457 | 0.0958 | 72.1942 | 34.2434 | 0.8935 | 74.0665 |
| 8/23/2025 | 4:00:00 PM | 33.3324 | 40.4614 | 7.129 | 45.541 | 33.4279 | 0.0955 | 72.1945 | 34.2428 | 0.9104 | 74.0496 |
| 8/23/2025 | 5:00:00 PM | 33.3144 | 40.4518 | 7.1374 | 45.5326 | 33.414 | 0.0996 | 72.1904 | 34.2417 | 0.9273 | 74.0327 |
| 8/23/2025 | 6:00:00 PM | 33.3069 | 40.4508 | 7.1439 | 45.5261 | 33.4079 | 0.101 | 72.189 | 34.2421 | 0.9352 | 74.0248 |
| 8/23/2025 | 7:00:00 PM | 33.3092 | 40.458 | 7.1488 | 45.5212 | 33.41 | 0.1008 | 72.1892 | 34.2432 | 0.934 | 74.026 |
| 8/23/2025 | 8:00:00 PM | 33.3157 | 40.4679 | 7.1522 | 45.5178 | 33.4191 | 0.1034 | 72.1866 | 34.2461 | 0.9304 | 74.0296 |
| 8/23/2025 | 9:00:00 PM | 33.3341 | 40.4859 | 7.1518 | 45.5182 | 33.4381 | 0.104 | 72.186 | 34.2498 | 0.9157 | 74.0443 |
| 8/23/2025 | 10:00:00 PM | 33.3471 | 40.4967 | 7.1496 | 45.5204 | 33.4507 | 0.1036 | 72.1864 | 34.2505 | 0.9034 | 74.0566 |
| 8/23/2025 | 11:00:00 PM | 33.3543 | 40.5022 | 7.1479 | 45.5221 | 33.4601 | 0.1058 | 72.1842 | 34.2506 | 0.8963 | 74.0637 |
| 8/24/2025 | 12:00:00 AM | 33.3573 | 40.5032 | 7.1459 | 45.5241 | 33.4652 | 0.1079 | 72.1821 | 34.2498 | 0.8925 | 74.0675 |
| 8/24/2025 | 1:00:00 AM | 33.359 | 40.5036 | 7.1446 | 45.5254 | 33.4674 | 0.1084 | 72.1816 | 34.2486 | 0.8896 | 74.0704 |
| 8/24/2025 | 2:00:00 AM | 33.3485 | 40.4936 | 7.1451 | 45.5249 | 33.4595 | 0.111 | 72.179 | 34.2477 | 0.8992 | 74.0608 |
| 8/24/2025 | 3:00:00 AM | 33.3512 | 40.4989 | 7.1477 | 45.5223 | 33.462 | 0.1108 | 72.1792 | 34.2475 | 0.8963 | 74.0637 |
| 8/24/2025 | 4:00:00 AM | 33.3548 | 40.5017 | 7.1469 | 45.5231 | 33.4654 | 0.1106 | 72.1794 | 34.2487 | 0.8939 | 74.0661 |
| 8/24/2025 | 5:00:00 AM | 33.3564 | 40.5014 | 7.145 | 45.525 | 33.4682 | 0.1118 | 72.1782 | 34.2494 | 0.893 | 74.067 |
| 8/24/2025 | 6:00:00 AM | 33.3589 | 40.5048 | 7.1459 | 45.5241 | 33.4746 | 0.1157 | 72.1743 | 34.2497 | 0.8908 | 74.0692 |
| 8/24/2025 | 7:00:00 AM | 33.3785 | 40.5194 | 7.1409 | 45.5291 | 33.4921 | 0.1136 | 72.1764 | 34.2527 | 0.8742 | 74.0858 |
| 8/24/2025 | 8:00:00 AM | 33.3864 | 40.5252 | 7.1388 | 45.5312 | 33.5012 | 0.1148 | 72.1752 | 34.2536 | 0.8672 | 74.0928 |
| 8/24/2025 | 9:00:00 AM | 33.3959 | 40.532 | 7.1361 | 45.5339 | 33.5132 | 0.1173 | 72.1727 | 34.2546 | 0.8587 | 74.1013 |
| 8/24/2025 | 10:00:00 AM | 33.3937 | 40.5258 | 7.1321 | 45.5379 | 33.51 | 0.1163 | 72.1737 | 34.2527 | 0.859 | 74.101 |
| 8/24/2025 | 11:00:00 AM | 33.3965 | 40.5269 | 7.1304 | 45.5396 | 33.5124 | 0.1159 | 72.1741 | 34.2529 | 0.8564 | 74.1036 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/24/2025 | 12:00:00 PM | 33.3845 | 40.514 | 7.1295 | 45.5405 | 33.5013 | 0.1168 | 72.1732 | 34.2495 | 0.865 | 74.095 |
| 8/24/2025 | 1:00:00 PM | 33.3738 | 40.5044 | 7.1306 | 45.5394 | 33.4913 | 0.1175 | 72.1725 | 34.2495 | 0.8757 | 74.0843 |
| 8/24/2025 | 2:00:00 PM | 33.3612 | 40.4941 | 7.1329 | 45.5371 | 33.478 | 0.1168 | 72.1732 | 34.2473 | 0.8861 | 74.0739 |
| 8/24/2025 | 3:00:00 PM | 33.3444 | 40.4814 | 7.137 | 45.533 | 33.4614 | 0.117 | 72.173 | 34.2446 | 0.9002 | 74.0598 |
| 8/24/2025 | 4:00:00 PM | 33.3299 | 40.4736 | 7.1437 | 45.5263 | 33.4503 | 0.1204 | 72.1696 | 34.245 | 0.9151 | 74.0449 |
| 8/24/2025 | 5:00:00 PM | 33.3251 | 40.473 | 7.1479 | 45.5221 | 33.4444 | 0.1193 | 72.1707 | 34.2455 | 0.9204 | 74.0396 |
| 8/24/2025 | 6:00:00 PM | 33.3221 | 40.4743 | 7.1522 | 45.5178 | 33.4426 | 0.1205 | 72.1695 | 34.2459 | 0.9238 | 74.0362 |
| 8/24/2025 | 7:00:00 PM | 33.3233 | 40.4784 | 7.1551 | 45.5149 | 33.4461 | 0.1228 | 72.1672 | 34.2461 | 0.9228 | 74.0372 |
| 8/24/2025 | 8:00:00 PM | 33.3282 | 40.4843 | 7.1561 | 45.5139 | 33.452 | 0.1238 | 72.1662 | 34.2474 | 0.9192 | 74.0408 |
| 8/24/2025 | 9:00:00 PM | 33.3396 | 40.4948 | 7.1552 | 45.5148 | 33.4637 | 0.1241 | 72.1659 | 34.2486 | 0.909 | 74.051 |
| 8/24/2025 | 10:00:00 PM | 33.347 | 40.5021 | 7.1551 | 45.5149 | 33.472 | 0.125 | 72.165 | 34.2492 | 0.9022 | 74.0578 |
| 8/24/2025 | 11:00:00 PM | 33.3544 | 40.5078 | 7.1534 | 45.5166 | 33.479 | 0.1246 | 72.1654 | 34.2488 | 0.8944 | 74.0656 |
| 8/25/2025 | 12:00:00 AM | 33.3555 | 40.5088 | 7.1533 | 45.5167 | 33.4833 | 0.1278 | 72.1622 | 34.248 | 0.8925 | 74.0675 |
| 8/25/2025 | 1:00:00 AM | 33.3603 | 40.5114 | 7.1511 | 45.5189 | 33.4867 | 0.1264 | 72.1636 | 34.2478 | 0.8875 | 74.0725 |
| 8/25/2025 | 2:00:00 AM | 33.3572 | 40.5074 | 7.1502 | 45.5198 | 33.4857 | 0.1285 | 72.1615 | 34.2464 | 0.8892 | 74.0708 |
| 8/25/2025 | 3:00:00 AM | 33.3574 | 40.5064 | 7.149 | 45.521 | 33.4872 | 0.1298 | 72.1602 | 34.2453 | 0.8879 | 74.0721 |
| 8/25/2025 | 4:00:00 AM | 33.3625 | 40.5101 | 7.1476 | 45.5224 | 33.4905 | 0.128 | 72.162 | 34.2461 | 0.8836 | 74.0764 |
| 8/25/2025 | 5:00:00 AM | 33.3657 | 40.5133 | 7.1476 | 45.5224 | 33.4948 | 0.1291 | 72.1609 | 34.2474 | 0.8817 | 74.0783 |
| 8/25/2025 | 6:00:00 AM | 33.3732 | 40.5178 | 7.1446 | 45.5254 | 33.5039 | 0.1307 | 72.1593 | 34.248 | 0.8748 | 74.0852 |
| 8/25/2025 | 7:00:00 AM | 33.3834 | 40.5256 | 7.1422 | 45.5278 | 33.5133 | 0.1299 | 72.1601 | 34.2486 | 0.8652 | 74.0948 |
| 8/25/2025 | 8:00:00 AM | 33.3882 | 40.5265 | 7.1383 | 45.5317 | 33.5176 | 0.1294 | 72.1606 | 34.2485 | 0.8603 | 74.0997 |
| 8/25/2025 | 9:00:00 AM | 33.396 | 40.5326 | 7.1366 | 45.5334 | 33.5276 | 0.1316 | 72.1584 | 34.2493 | 0.8533 | 74.1067 |
| 8/25/2025 | 10:00:00 AM | 33.4035 | 40.5322 | 7.1287 | 45.5413 | 33.5305 | 0.127 | 72.163 | 34.2489 | 0.8454 | 74.1146 |
| 8/25/2025 | 11:00:00 AM | 33.3922 | 40.5207 | 7.1285 | 45.5415 | 33.5206 | 0.1284 | 72.1616 | 34.2462 | 0.854 | 74.106 |
| 8/25/2025 | 12:00:00 PM | 33.3843 | 40.5126 | 7.1283 | 45.5417 | 33.5128 | 0.1285 | 72.1615 | 34.2439 | 0.8596 | 74.1004 |
| 8/25/2025 | 1:00:00 PM | 33.3776 | 40.5059 | 7.1283 | 45.5417 | 33.5052 | 0.1276 | 72.1624 | 34.2427 | 0.8651 | 74.0949 |
| 8/25/2025 | 2:00:00 PM | 33.3732 | 40.5026 | 7.1294 | 45.5406 | 33.5022 | 0.129 | 72.161 | 34.2418 | 0.8686 | 74.0914 |
| 8/25/2025 | 3:00:00 PM | 33.3615 | 40.4929 | 7.1314 | 45.5386 | 33.4902 | 0.1287 | 72.1613 | 34.2403 | 0.8788 | 74.0812 |
| 8/25/2025 | 4:00:00 PM | 33.345 | 40.4794 | 7.1344 | 45.5356 | 33.4759 | 0.1309 | 72.1591 | 34.2387 | 0.8937 | 74.0663 |
| 8/25/2025 | 5:00:00 PM | 33.3378 | 40.4765 | 7.1387 | 45.5313 | 33.4695 | 0.1317 | 72.1583 | 34.2372 | 0.8994 | 74.0606 |
| 8/25/2025 | 6:00:00 PM | 33.3336 | 40.4732 | 7.1396 | 45.5304 | 33.4645 | 0.1309 | 72.1591 | 34.236 | 0.9024 | 74.0576 |
| 8/25/2025 | 7:00:00 PM | 33.3325 | 40.4745 | 7.142 | 45.528 | 33.4682 | 0.1357 | 72.1543 | 34.2365 | 0.904 | 74.056 |
| 8/25/2025 | 8:00:00 PM | 33.3404 | 40.4839 | 7.1435 | 45.5265 | 33.4757 | 0.1353 | 72.1547 | 34.2385 | 0.8981 | 74.0619 |
| 8/25/2025 | 9:00:00 PM | 33.3571 | 40.4966 | 7.1395 | 45.5305 | 33.4928 | 0.1357 | 72.1543 | 34.2396 | 0.8825 | 74.0775 |
| 8/25/2025 | 10:00:00 PM | 33.3764 | 40.5108 | 7.1344 | 45.5356 | 33.5124 | 0.136 | 72.154 | 34.2425 | 0.8661 | 74.0939 |
| 8/25/2025 | 11:00:00 PM | 33.3833 | 40.5149 | 7.1316 | 45.5384 | 33.5168 | 0.1335 | 72.1565 | 34.2402 | 0.8569 | 74.1031 |
| 8/26/2025 | 12:00:00 AM | 33.3879 | 40.516 | 7.1281 | 45.5419 | 33.523 | 0.1351 | 72.1549 | 34.2393 | 0.8514 | 74.1086 |
| 8/26/2025 | 1:00:00 AM | 33.3885 | 40.5121 | 7.1236 | 45.5464 | 33.5224 | 0.1339 | 72.1561 | 34.2386 | 0.8501 | 74.1099 |
| 8/26/2025 | 2:00:00 AM | 33.3839 | 40.5065 | 7.1226 | 45.5474 | 33.5176 | 0.1337 | 72.1563 | 34.2364 | 0.8525 | 74.1075 |
| 8/26/2025 | 3:00:00 AM | 33.3768 | 40.4991 | 7.1223 | 45.5477 | 33.5118 | 0.135 | 72.155 | 34.234 | 0.8572 | 74.1028 |
| 8/26/2025 | 4:00:00 AM | 33.3821 | 40.5016 | 7.1195 | 45.5505 | 33.5161 | 0.134 | 72.156 | 34.2343 | 0.8522 | 74.1078 |
| 8/26/2025 | 5:00:00 AM | 33.379 | 40.4982 | 7.1192 | 45.5508 | 33.5127 | 0.1337 | 72.1563 | 34.2338 | 0.8548 | 74.1052 |
| 8/26/2025 | 6:00:00 AM | 33.3794 | 40.4965 | 7.1171 | 45.5529 | 33.5125 | 0.1331 | 72.1569 | 34.234 | 0.8546 | 74.1054 |
| 8/26/2025 | 7:00:00 AM | 33.3866 | 40.5016 | 7.115 | 45.555 | 33.52 | 0.1334 | 72.1566 | 34.2341 | 0.8475 | 74.1125 |
| 8/26/2025 | 8:00:00 AM | 33.3894 | 40.5042 | 7.1148 | 45.5552 | 33.5244 | 0.135 | 72.155 | 34.2359 | 0.8465 | 74.1135 |
| 8/26/2025 | 9:00:00 AM | 33.396 | 40.5084 | 7.1124 | 45.5576 | 33.5292 | 0.1332 | 72.1568 | 34.2354 | 0.8394 | 74.1206 |
| 8/26/2025 | 10:00:00 AM | 33.3904 | 40.5015 | 7.1111 | 45.5589 | 33.5238 | 0.1334 | 72.1566 | 34.2341 | 0.8437 | 74.1163 |
| 8/26/2025 | 11:00:00 AM | 33.3791 | 40.49 | 7.1109 | 45.5591 | 33.5118 | 0.1327 | 72.1573 | 34.2326 | 0.8535 | 74.1065 |
| 8/26/2025 | 12:00:00 PM | 33.3603 | 40.4725 | 7.1122 | 45.5578 | 33.4923 | 0.132 | 72.158 | 34.2286 | 0.8683 | 74.0917 |
| 8/26/2025 | 1:00:00 PM | 33.3415 | 40.4583 | 7.1168 | 45.5532 | 33.4748 | 0.1333 | 72.1567 | 34.2258 | 0.8843 | 74.0757 |
| 8/26/2025 | 2:00:00 PM | 33.3282 | 40.4498 | 7.1216 | 45.5484 | 33.4617 | 0.1335 | 72.1565 | 34.2252 | 0.897 | 74.063 |
| 8/26/2025 | 3:00:00 PM | 33.3124 | 40.4385 | 7.1261 | 45.5439 | 33.4453 | 0.1329 | 72.1571 | 34.2244 | 0.912 | 74.048 |
| 8/26/2025 | 4:00:00 PM | 33.3013 | 40.4323 | 7.131 | 45.539 | 33.4349 | 0.1336 | 72.1564 | 34.2218 | 0.9205 | 74.0395 |
| 8/26/2025 | 5:00:00 PM | 33.291 | 40.428 | 7.137 | 45.533 | 33.4262 | 0.1352 | 72.1548 | 34.2212 | 0.9302 | 74.0298 |
| 8/26/2025 | 6:00:00 PM | 33.2813 | 40.4237 | 7.1424 | 45.5276 | 33.4183 | 0.137 | 72.153 | 34.2196 | 0.9383 | 74.0217 |
| 8/26/2025 | 7:00:00 PM | 33.2868 | 40.4325 | 7.1457 | 45.5243 | 33.4258 | 0.139 | 72.151 | 34.2216 | 0.9348 | 74.0252 |
| 8/26/2025 | 8:00:00 PM | 33.3078 | 40.454 | 7.1462 | 45.5238 | 33.4492 | 0.1414 | 72.1486 | 34.2246 | 0.9168 | 74.0432 |
| 8/26/2025 | 9:00:00 PM | 33.3239 | 40.4641 | 7.1402 | 45.5298 | 33.4607 | 0.1368 | 72.1532 | 34.2248 | 0.9009 | 74.0591 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/26/2025 | 10:00:00 PM | 33.3357 | 40.4758 | 7.1401 | 45.5299 | 33.4772 | 0.1415 | 72.1485 | 34.2268 | 0.8911 | 74.0689 |
| 8/26/2025 | 11:00:00 PM | 33.3412 | 40.4759 | 7.1347 | 45.5353 | 33.481 | 0.1398 | 72.1502 | 34.2246 | 0.8834 | 74.0766 |
| 8/27/2025 | 12:00:00 AM | 33.3325 | 40.4671 | 7.1346 | 45.5354 | 33.4707 | 0.1382 | 72.1518 | 34.2212 | 0.8887 | 74.0713 |
| 8/27/2025 | 1:00:00 AM | 33.3274 | 40.4612 | 7.1338 | 45.5362 | 33.4655 | 0.1381 | 72.1519 | 34.2205 | 0.8931 | 74.0669 |
| 8/27/2025 | 2:00:00 AM | 33.3276 | 40.461 | 7.1334 | 45.5366 | 33.4676 | 0.14 | 72.15 | 34.2182 | 0.8906 | 74.0694 |
| 8/27/2025 | 3:00:00 AM | 33.325 | 40.4582 | 7.1332 | 45.5368 | 33.4665 | 0.1415 | 72.1485 | 34.2188 | 0.8938 | 74.0662 |
| 8/27/2025 | 4:00:00 AM | 33.3295 | 40.4613 | 7.1318 | 45.5382 | 33.4714 | 0.1419 | 72.1481 | 34.2182 | 0.8887 | 74.0713 |
| 8/27/2025 | 5:00:00 AM | 33.3417 | 40.4698 | 7.1281 | 45.5419 | 33.4811 | 0.1394 | 72.1506 | 34.2198 | 0.8781 | 74.0819 |
| 8/27/2025 | 6:00:00 AM | 33.3545 | 40.4803 | 7.1258 | 45.5442 | 33.4964 | 0.1419 | 72.1481 | 34.2218 | 0.8673 | 74.0927 |
| 8/27/2025 | 7:00:00 AM | 33.3866 | 40.505 | 7.1184 | 45.5516 | 33.5275 | 0.1409 | 72.1491 | 34.2247 | 0.8381 | 74.1219 |
| 8/27/2025 | 8:00:00 AM | 33.4077 | 40.5167 | 7.109 | 45.561 | 33.5498 | 0.1421 | 72.1479 | 34.2269 | 0.8192 | 74.1408 |
| 8/27/2025 | 9:00:00 AM | 33.4144 | 40.5191 | 7.1047 | 45.5653 | 33.5546 | 0.1402 | 72.1498 | 34.2256 | 0.8112 | 74.1488 |
| 8/27/2025 | 10:00:00 AM | 33.4247 | 40.523 | 7.0983 | 45.5717 | 33.5657 | 0.141 | 72.149 | 34.2244 | 0.7997 | 74.1603 |
| 8/27/2025 | 11:00:00 AM | 33.4227 | 40.5141 | 7.0914 | 45.5786 | 33.5611 | 0.1384 | 72.1516 | 34.2218 | 0.7991 | 74.1609 |
| 8/27/2025 | 12:00:00 PM | 33.4214 | 40.5074 | 7.086 | 45.584 | 33.5587 | 0.1373 | 72.1527 | 34.2207 | 0.7993 | 74.1607 |
| 8/27/2025 | 1:00:00 PM | 33.4264 | 40.5072 | 7.0808 | 45.5892 | 33.5605 | 0.1341 | 72.1559 | 34.2207 | 0.7943 | 74.1657 |
| 8/27/2025 | 2:00:00 PM | 33.4257 | 40.5043 | 7.0786 | 45.5914 | 33.5609 | 0.1352 | 72.1548 | 34.219 | 0.7933 | 74.1667 |
| 8/27/2025 | 3:00:00 PM | 33.4243 | 40.5 | 7.0757 | 45.5943 | 33.5608 | 0.1365 | 72.1535 | 34.218 | 0.7937 | 74.1663 |
| 8/27/2025 | 4:00:00 PM | 33.4338 | 40.5061 | 7.0723 | 45.5977 | 33.5674 | 0.1336 | 72.1564 | 34.219 | 0.7852 | 74.1748 |
| 8/27/2025 | 5:00:00 PM | 33.4413 | 40.5072 | 7.0659 | 45.6041 | 33.5726 | 0.1313 | 72.1587 | 34.2185 | 0.7772 | 74.1828 |
| 8/27/2025 | 6:00:00 PM | 33.4289 | 40.495 | 7.0661 | 45.6039 | 33.5624 | 0.1335 | 72.1565 | 34.2166 | 0.7877 | 74.1723 |
| 8/27/2025 | 7:00:00 PM | 33.431 | 40.4962 | 7.0652 | 45.6048 | 33.5645 | 0.1335 | 72.1565 | 34.216 | 0.785 | 74.175 |
| 8/27/2025 | 8:00:00 PM | 33.4268 | 40.4902 | 7.0634 | 45.6066 | 33.5604 | 0.1336 | 72.1564 | 34.2153 | 0.7885 | 74.1715 |
| 8/27/2025 | 9:00:00 PM | 33.4383 | 40.4973 | 7.059 | 45.611 | 33.5721 | 0.1338 | 72.1562 | 34.2156 | 0.7773 | 74.1827 |
| 8/27/2025 | 10:00:00 PM | 33.4434 | 40.5002 | 7.0568 | 45.6132 | 33.5752 | 0.1318 | 72.1582 | 34.215 | 0.7716 | 74.1884 |
| 8/27/2025 | 11:00:00 PM | 33.4445 | 40.4977 | 7.0532 | 45.6168 | 33.5754 | 0.1309 | 72.1591 | 34.2142 | 0.7697 | 74.1903 |
| 8/28/2025 | 12:00:00 AM | 33.4611 | 40.51 | 7.0489 | 45.6211 | 33.5913 | 0.1302 | 72.1598 | 34.2163 | 0.7552 | 74.2048 |
| 8/28/2025 | 1:00:00 AM | 33.4752 | 40.5196 | 7.0444 | 45.6256 | 33.6025 | 0.1273 | 72.1627 | 34.2162 | 0.741 | 74.219 |
| 8/28/2025 | 2:00:00 AM | 33.472 | 40.5114 | 7.0394 | 45.6306 | 33.6024 | 0.1304 | 72.1596 | 34.215 | 0.743 | 74.217 |
| 8/28/2025 | 3:00:00 AM | 33.4858 | 40.5184 | 7.0326 | 45.6374 | 33.6137 | 0.1279 | 72.1621 | 34.2157 | 0.7299 | 74.2301 |
| 8/28/2025 | 4:00:00 AM | 33.4857 | 40.5159 | 7.0302 | 45.6398 | 33.6119 | 0.1262 | 72.1638 | 34.2138 | 0.7281 | 74.2319 |
| 8/28/2025 | 5:00:00 AM | 33.4833 | 40.5127 | 7.0294 | 45.6406 | 33.6129 | 0.1296 | 72.1604 | 34.2131 | 0.7298 | 74.2302 |
| 8/28/2025 | 6:00:00 AM | 33.4877 | 40.5107 | 7.023 | 45.647 | 33.6143 | 0.1266 | 72.1634 | 34.2142 | 0.7265 | 74.2335 |
| 8/28/2025 | 7:00:00 AM | 33.4889 | 40.5106 | 7.0217 | 45.6483 | 33.6109 | 0.122 | 72.168 | 34.2123 | 0.7234 | 74.2366 |
| 8/28/2025 | 8:00:00 AM | 33.4972 | 40.5149 | 7.0177 | 45.6523 | 33.619 | 0.1218 | 72.1682 | 34.213 | 0.7158 | 74.2442 |
| 8/28/2025 | 9:00:00 AM | 33.5149 | 40.5248 | 7.0099 | 45.6601 | 33.6348 | 0.1199 | 72.1701 | 34.216 | 0.7011 | 74.2589 |
| 8/28/2025 | 10:00:00 AM | 33.5204 | 40.5265 | 7.0061 | 45.6639 | 33.6409 | 0.1205 | 72.1695 | 34.2161 | 0.6957 | 74.2643 |
| 8/28/2025 | 11:00:00 AM | 33.5164 | 40.5198 | 7.0034 | 45.6666 | 33.6352 | 0.1188 | 72.1712 | 34.2127 | 0.6963 | 74.2637 |
| 8/28/2025 | 12:00:00 PM | 33.5114 | 40.5126 | 7.0012 | 45.6688 | 33.6293 | 0.1179 | 72.1721 | 34.2119 | 0.7005 | 74.2595 |
| 8/28/2025 | 1:00:00 PM | 33.5137 | 40.5117 | 6.998 | 45.672 | 33.6267 | 0.113 | 72.177 | 34.2117 | 0.698 | 74.262 |
| 8/28/2025 | 2:00:00 PM | 33.5028 | 40.5018 | 6.999 | 45.671 | 33.6182 | 0.1154 | 72.1746 | 34.2106 | 0.7078 | 74.2522 |
| 8/28/2025 | 3:00:00 PM | 33.4899 | 40.4897 | 6.9998 | 45.6702 | 33.6024 | 0.1125 | 72.1775 | 34.2092 | 0.7193 | 74.2407 |
| 8/28/2025 | 4:00:00 PM | 33.4659 | 40.4692 | 7.0033 | 45.6667 | 33.5797 | 0.1138 | 72.1762 | 34.2054 | 0.7395 | 74.2205 |
| 8/28/2025 | 5:00:00 PM | 33.4552 | 40.4635 | 7.0083 | 45.6617 | 33.5645 | 0.1093 | 72.1807 | 34.2049 | 0.7497 | 74.2103 |
| 8/28/2025 | 6:00:00 PM | 33.4357 | 40.4503 | 7.0146 | 45.6554 | 33.5491 | 0.1134 | 72.1766 | 34.2034 | 0.7677 | 74.1923 |
| 8/28/2025 | 7:00:00 PM | 33.4364 | 40.4536 | 7.0172 | 45.6528 | 33.5467 | 0.1103 | 72.1797 | 34.2048 | 0.7684 | 74.1916 |
| 8/28/2025 | 8:00:00 PM | 33.4348 | 40.4552 | 7.0204 | 45.6496 | 33.546 | 0.1112 | 72.1788 | 34.2049 | 0.7701 | 74.1899 |
| 8/28/2025 | 9:00:00 PM | 33.4424 | 40.4635 | 7.0211 | 45.6489 | 33.5498 | 0.1074 | 72.1826 | 34.2058 | 0.7634 | 74.1966 |
| 8/28/2025 | 10:00:00 PM | 33.4463 | 40.4694 | 7.0231 | 45.6469 | 33.555 | 0.1087 | 72.1813 | 34.2058 | 0.7595 | 74.2005 |
| 8/28/2025 | 11:00:00 PM | 33.4501 | 40.4716 | 7.0215 | 45.6485 | 33.5582 | 0.1081 | 72.1819 | 34.2066 | 0.7565 | 74.2035 |
| 8/29/2025 | 12:00:00 AM | 33.4451 | 40.4685 | 7.0234 | 45.6466 | 33.5534 | 0.1083 | 72.1817 | 34.2045 | 0.7594 | 74.2006 |
| 8/29/2025 | 1:00:00 AM | 33.4423 | 40.4662 | 7.0239 | 45.6461 | 33.5507 | 0.1084 | 72.1816 | 34.2046 | 0.7623 | 74.1977 |
| 8/29/2025 | 2:00:00 AM | 33.4435 | 40.4687 | 7.0252 | 45.6448 | 33.551 | 0.1075 | 72.1825 | 34.2039 | 0.7604 | 74.1996 |
| 8/29/2025 | 3:00:00 AM | 33.4473 | 40.4685 | 7.0212 | 45.6488 | 33.5519 | 0.1046 | 72.1854 | 34.2036 | 0.7563 | 74.2037 |
| 8/29/2025 | 4:00:00 AM | 33.4618 | 40.4833 | 7.0215 | 45.6485 | 33.5654 | 0.1036 | 72.1864 | 34.2047 | 0.7429 | 74.2171 |
| 8/29/2025 | 5:00:00 AM | 33.4689 | 40.4857 | 7.0168 | 45.6532 | 33.5721 | 0.1032 | 72.1868 | 34.2054 | 0.7365 | 74.2235 |
| 8/29/2025 | 6:00:00 AM | 33.4839 | 40.4994 | 7.0155 | 45.6545 | 33.5836 | 0.0997 | 72.1903 | 34.207 | 0.7231 | 74.2369 |
| 8/29/2025 | 7:00:00 AM | 33.4998 | 40.5092 | 7.0094 | 45.6606 | 33.5996 | 0.0998 | 72.1902 | 34.2097 | 0.7099 | 74.2501 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/29/2025 | 8:00:00 AM | 33.5109 | 40.5144 | 7.0035 | 45.6665 | 33.6134 | 0.1025 | 72.1875 | 34.2101 | 0.6992 | 74.2608 |
| 8/29/2025 | 9:00:00 AM | 33.5148 | 40.5143 | 6.9995 | 45.6705 | 33.6132 | 0.0984 | 72.1916 | 34.2078 | 0.693 | 74.267 |
| 8/29/2025 | 10:00:00 AM | 33.5238 | 40.5197 | 6.9959 | 45.6741 | 33.6246 | 0.1008 | 72.1892 | 34.2094 | 0.6856 | 74.2744 |
| 8/29/2025 | 11:00:00 AM | 33.5365 | 40.5275 | 6.991 | 45.679 | 33.6323 | 0.0958 | 72.1942 | 34.2108 | 0.6743 | 74.2857 |
| 8/29/2025 | 12:00:00 PM | 33.5396 | 40.5253 | 6.9857 | 45.6843 | 33.6341 | 0.0945 | 72.1955 | 34.2102 | 0.6706 | 74.2894 |
| 8/29/2025 | 1:00:00 PM | 33.5346 | 40.5167 | 6.9821 | 45.6879 | 33.634 | 0.0994 | 72.1906 | 34.2088 | 0.6742 | 74.2858 |
| 8/29/2025 | 2:00:00 PM | 33.5315 | 40.5139 | 6.9824 | 45.6876 | 33.6262 | 0.0947 | 72.1953 | 34.2078 | 0.6763 | 74.2837 |
| 8/29/2025 | 3:00:00 PM | 33.5182 | 40.5006 | 6.9824 | 45.6876 | 33.6124 | 0.0942 | 72.1958 | 34.2046 | 0.6864 | 74.2736 |
| 8/29/2025 | 4:00:00 PM | 33.5095 | 40.4951 | 6.9856 | 45.6844 | 33.6089 | 0.0994 | 72.1906 | 34.2053 | 0.6958 | 74.2642 |
| 8/29/2025 | 5:00:00 PM | 33.5073 | 40.4959 | 6.9886 | 45.6814 | 33.6019 | 0.0946 | 72.1954 | 34.205 | 0.6977 | 74.2623 |
| 8/29/2025 | 6:00:00 PM | 33.5111 | 40.4959 | 6.9848 | 45.6852 | 33.6046 | 0.0935 | 72.1965 | 34.2066 | 0.6955 | 74.2645 |
| 8/29/2025 | 7:00:00 PM | 33.5119 | 40.496 | 6.9841 | 45.6859 | 33.6034 | 0.0915 | 72.1985 | 34.2069 | 0.695 | 74.265 |
| 8/29/2025 | 8:00:00 PM | 33.5236 | 40.5075 | 6.9839 | 45.6861 | 33.6126 | 0.089 | 72.201 | 34.2082 | 0.6846 | 74.2754 |
| 8/29/2025 | 9:00:00 PM | 33.5367 | 40.519 | 6.9823 | 45.6877 | 33.6272 | 0.0905 | 72.1995 | 34.2105 | 0.6738 | 74.2862 |
| 8/29/2025 | 10:00:00 PM | 33.5463 | 40.5239 | 6.9776 | 45.6924 | 33.6365 | 0.0902 | 72.1998 | 34.2102 | 0.6639 | 74.2961 |
| 8/29/2025 | 11:00:00 PM | 33.5493 | 40.5235 | 6.9742 | 45.6958 | 33.6375 | 0.0882 | 72.2018 | 34.21 | 0.6607 | 74.2993 |
| 8/30/2025 | 12:00:00 AM | 33.548 | 40.5205 | 6.9725 | 45.6975 | 33.6369 | 0.0889 | 72.2011 | 34.2074 | 0.6594 | 74.3006 |
| 8/30/2025 | 1:00:00 AM | 33.552 | 40.5227 | 6.9707 | 45.6993 | 33.6383 | 0.0863 | 72.2037 | 34.2088 | 0.6568 | 74.3032 |
| 8/30/2025 | 2:00:00 AM | 33.5579 | 40.5244 | 6.9665 | 45.7035 | 33.6427 | 0.0848 | 72.2052 | 34.2084 | 0.6505 | 74.3095 |
| 8/30/2025 | 3:00:00 AM | 33.5663 | 40.5286 | 6.9623 | 45.7077 | 33.6522 | 0.0859 | 72.2041 | 34.2083 | 0.642 | 74.318 |
| 8/30/2025 | 4:00:00 AM | 33.5675 | 40.5268 | 6.9593 | 45.7107 | 33.6515 | 0.084 | 72.206 | 34.2076 | 0.6401 | 74.3199 |
| 8/30/2025 | 5:00:00 AM | 33.56 | 40.5191 | 6.9591 | 45.7109 | 33.6449 | 0.0849 | 72.2051 | 34.2059 | 0.6459 | 74.3141 |
| 8/30/2025 | 6:00:00 AM | 33.5669 | 40.5244 | 6.9575 | 45.7125 | 33.6499 | 0.083 | 72.207 | 34.208 | 0.6411 | 74.3189 |
| 8/30/2025 | 7:00:00 AM | 33.5723 | 40.5282 | 6.9559 | 45.7141 | 33.6546 | 0.0823 | 72.2077 | 34.208 | 0.6357 | 74.3243 |
| 8/30/2025 | 8:00:00 AM | 33.5759 | 40.5278 | 6.9519 | 45.7181 | 33.6578 | 0.0819 | 72.2081 | 34.2085 | 0.6326 | 74.3274 |
| 8/30/2025 | 9:00:00 AM | 33.5834 | 40.5326 | 6.9492 | 45.7208 | 33.6663 | 0.0829 | 72.2071 | 34.2101 | 0.6267 | 74.3333 |
| 8/30/2025 | 10:00:00 AM | 33.5814 | 40.5283 | 6.9469 | 45.7231 | 33.6618 | 0.0804 | 72.2096 | 34.2092 | 0.6278 | 74.3322 |
| 8/30/2025 | 11:00:00 AM | 33.5752 | 40.522 | 6.9468 | 45.7232 | 33.6566 | 0.0814 | 72.2086 | 34.2083 | 0.6331 | 74.3269 |
| 8/30/2025 | 12:00:00 PM | 33.5615 | 40.5092 | 6.9477 | 45.7223 | 33.6426 | 0.0811 | 72.2089 | 34.2062 | 0.6447 | 74.3153 |
| 8/30/2025 | 1:00:00 PM | 33.5506 | 40.5005 | 6.9499 | 45.7201 | 33.631 | 0.0804 | 72.2096 | 34.2044 | 0.6538 | 74.3062 |
| 8/30/2025 | 2:00:00 PM | 33.5505 | 40.5021 | 6.9516 | 45.7184 | 33.6292 | 0.0787 | 72.2113 | 34.2056 | 0.6551 | 74.3049 |
| 8/30/2025 | 3:00:00 PM | 33.537 | 40.4886 | 6.9516 | 45.7184 | 33.6156 | 0.0786 | 72.2114 | 34.2043 | 0.6673 | 74.2927 |
| 8/30/2025 | 4:00:00 PM | 33.5182 | 40.4766 | 6.9584 | 45.7116 | 33.5951 | 0.0769 | 72.2131 | 34.2026 | 0.6844 | 74.2756 |
| 8/30/2025 | 5:00:00 PM | 33.5119 | 40.473 | 6.9611 | 45.7089 | 33.5878 | 0.0759 | 72.2141 | 34.2035 | 0.6916 | 74.2684 |
| 8/30/2025 | 6:00:00 PM | 33.5113 | 40.4759 | 6.9646 | 45.7054 | 33.5883 | 0.077 | 72.213 | 34.2037 | 0.6924 | 74.2676 |
| 8/30/2025 | 7:00:00 PM | 33.4997 | 40.4677 | 6.968 | 45.702 | 33.5774 | 0.0777 | 72.2123 | 34.2021 | 0.7024 | 74.2576 |
| 8/30/2025 | 8:00:00 PM | 33.5019 | 40.4739 | 6.972 | 45.698 | 33.5784 | 0.0765 | 72.2135 | 34.204 | 0.7021 | 74.2579 |
| 8/30/2025 | 9:00:00 PM | 33.5161 | 40.4884 | 6.9723 | 45.6977 | 33.591 | 0.0749 | 72.2151 | 34.2072 | 0.6911 | 74.2689 |
| 8/30/2025 | 10:00:00 PM | 33.5071 | 40.4795 | 6.9724 | 45.6976 | 33.5838 | 0.0767 | 72.2133 | 34.204 | 0.6969 | 74.2631 |
| 8/30/2025 | 11:00:00 PM | 33.5015 | 40.4752 | 6.9737 | 45.6963 | 33.5761 | 0.0746 | 72.2154 | 34.2024 | 0.7009 | 74.2591 |
| 8/31/2025 | 12:00:00 AM | 33.4972 | 40.4742 | 6.977 | 45.693 | 33.5723 | 0.0751 | 72.2149 | 34.2026 | 0.7054 | 74.2546 |
| 8/31/2025 | 1:00:00 AM | 33.496 | 40.4731 | 6.9771 | 45.6929 | 33.5704 | 0.0744 | 72.2156 | 34.2023 | 0.7063 | 74.2537 |
| 8/31/2025 | 2:00:00 AM | 33.4943 | 40.4743 | 6.98 | 45.69 | 33.57 | 0.0757 | 72.2143 | 34.2024 | 0.7081 | 74.2519 |
| 8/31/2025 | 3:00:00 AM | 33.4856 | 40.4671 | 6.9815 | 45.6885 | 33.5628 | 0.0772 | 72.2128 | 34.2011 | 0.7155 | 74.2445 |
| 8/31/2025 | 4:00:00 AM | 33.4806 | 40.4627 | 6.9821 | 45.6879 | 33.5586 | 0.078 | 72.212 | 34.2001 | 0.7195 | 74.2405 |
| 8/31/2025 | 5:00:00 AM | 33.4711 | 40.4592 | 6.9881 | 45.6819 | 33.55 | 0.0789 | 72.2111 | 34.1991 | 0.728 | 74.232 |
| 8/31/2025 | 6:00:00 AM | 33.4623 | 40.4535 | 6.9912 | 45.6788 | 33.5418 | 0.0795 | 72.2105 | 34.199 | 0.7367 | 74.2233 |
| 8/31/2025 | 7:00:00 AM | 33.4619 | 40.4555 | 6.9936 | 45.6764 | 33.541 | 0.0791 | 72.2109 | 34.1996 | 0.7377 | 74.2223 |
| 8/31/2025 | 8:00:00 AM | 33.47 | 40.4647 | 6.9947 | 45.6753 | 33.5506 | 0.0806 | 72.2094 | 34.2029 | 0.7329 | 74.2271 |
| 8/31/2025 | 9:00:00 AM | 33.49 | 40.4802 | 6.9902 | 45.6798 | 33.5673 | 0.0773 | 72.2127 | 34.2049 | 0.7149 | 74.2451 |
| 8/31/2025 | 10:00:00 AM | 33.5096 | 40.4947 | 6.9851 | 45.6849 | 33.5713 | 0.0617 | 72.2283 | 34.2075 | 0.6979 | 74.2621 |
| 8/31/2025 | 11:00:00 AM | 33.4854 | 40.4742 | 6.9888 | 45.6812 | 33.5662 | 0.0808 | 72.2092 | 34.2039 | 0.7185 | 74.2415 |
| 8/31/2025 | 12:00:00 PM | 33.476 | 40.4678 | 6.9918 | 45.6782 | 33.5584 | 0.0824 | 72.2076 | 34.2024 | 0.7264 | 74.2336 |
| 8/31/2025 | 1:00:00 PM | 33.4697 | 40.4619 | 6.9922 | 45.6778 | 33.5478 | 0.0781 | 72.2119 | 34.2019 | 0.7322 | 74.2278 |
| 8/31/2025 | 2:00:00 PM | 33.4635 | 40.4594 | 6.9959 | 45.6741 | 33.5428 | 0.0793 | 72.2107 | 34.2023 | 0.7388 | 74.2212 |
| 8/31/2025 | 3:00:00 PM | 33.4506 | 40.449 | 6.9984 | 45.6716 | 33.5282 | 0.0776 | 72.2124 | 34.2012 | 0.7506 | 74.2094 |
| 8/31/2025 | 4:00:00 PM | 33.4392 | 40.4418 | 7.0026 | 45.6674 | 33.5169 | 0.0777 | 72.2123 | 34.1995 | 0.7603 | 74.1997 |
| 8/31/2025 | 5:00:00 PM | 33.4319 | 40.4376 | 7.0057 | 45.6643 | 33.5082 | 0.0763 | 72.2137 | 34.1993 | 0.7674 | 74.1926 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/31/2025 | 6:00:00 PM | 33.432 | 40.4404 | 7.0084 | 45.6616 | 33.5078 | 0.0758 | 72.2142 | 34.2 | 0.768 | 74.192 |
| 8/31/2025 | 7:00:00 PM | 33.4372 | 40.4464 | 7.0092 | 45.6608 | 33.5111 | 0.0739 | 72.2161 | 34.202 | 0.7648 | 74.1952 |
| 8/31/2025 | 8:00:00 PM | 33.4502 | 40.4588 | 7.0086 | 45.6614 | 33.5223 | 0.0721 | 72.2179 | 34.2038 | 0.7536 | 74.2064 |
| 8/31/2025 | 9:00:00 PM | 33.4687 | 40.4732 | 7.0045 | 45.6655 | 33.5394 | 0.0707 | 72.2193 | 34.2063 | 0.7376 | 74.2224 |
| 8/31/2025 | 10:00:00 PM | 33.4729 | 40.4762 | 7.0033 | 45.6667 | 33.5441 | 0.0712 | 72.2188 | 34.2057 | 0.7328 | 74.2272 |
| 8/31/2025 | 11:00:00 PM | 33.4683 | 40.4719 | 7.0036 | 45.6664 | 33.5444 | 0.0761 | 72.2139 | 34.2047 | 0.7364 | 74.2236 |
| 9/1/2025 | 12:00:00 AM | 33.4848 | 40.4866 | 7.0018 | 45.6682 | 33.559 | 0.0742 | 72.2158 | 34.2072 | 0.7224 | 74.2376 |
| 9/1/2025 | 1:00:00 AM | 33.478 | 40.4786 | 7.0006 | 45.6694 | 33.5547 | 0.0767 | 72.2133 | 34.2046 | 0.7266 | 74.2334 |
| 9/1/2025 | 2:00:00 AM | 33.4796 | 40.4787 | 6.9991 | 45.6709 | 33.5561 | 0.0765 | 72.2135 | 34.205 | 0.7254 | 74.2346 |
| 9/1/2025 | 3:00:00 AM | 33.4882 | 40.4853 | 6.9971 | 45.6729 | 33.564 | 0.0758 | 72.2142 | 34.2055 | 0.7173 | 74.2427 |
| 9/1/2025 | 4:00:00 AM | 33.497 | 40.4902 | 6.9932 | 45.6768 | 33.5738 | 0.0768 | 72.2132 | 34.2072 | 0.7102 | 74.2498 |
| 9/1/2025 | 5:00:00 AM | 33.4977 | 40.4926 | 6.9949 | 45.6751 | 33.5775 | 0.0798 | 72.2102 | 34.2064 | 0.7087 | 74.2513 |
| 9/1/2025 | 6:00:00 AM | 33.5066 | 40.4953 | 6.9887 | 45.6813 | 33.5839 | 0.0773 | 72.2127 | 34.2073 | 0.7007 | 74.2593 |
| 9/1/2025 | 7:00:00 AM | 33.5223 | 40.5067 | 6.9844 | 45.6856 | 33.598 | 0.0757 | 72.2143 | 34.2098 | 0.6875 | 74.2725 |
| 9/1/2025 | 8:00:00 AM | 33.5229 | 40.5057 | 6.9828 | 45.6872 | 33.6028 | 0.0799 | 72.2101 | 34.2081 | 0.6852 | 74.2748 |
| 9/1/2025 | 9:00:00 AM | 33.5311 | 40.5079 | 6.9768 | 45.6932 | 33.6074 | 0.0763 | 72.2137 | 34.209 | 0.6779 | 74.2821 |
| 9/1/2025 | 10:00:00 AM | 33.5282 | 40.5032 | 6.975 | 45.695 | 33.6069 | 0.0787 | 72.2113 | 34.2087 | 0.6805 | 74.2795 |
| 9/1/2025 | 11:00:00 AM | 33.5307 | 40.5029 | 6.9722 | 45.6978 | 33.6071 | 0.0764 | 72.2136 | 34.2088 | 0.6781 | 74.2819 |
| 9/1/2025 | 12:00:00 PM | 33.5228 | 40.495 | 6.9722 | 45.6978 | 33.6012 | 0.0784 | 72.2116 | 34.2072 | 0.6844 | 74.2756 |
| 9/1/2025 | 1:00:00 PM | 33.5114 | 40.4844 | 6.973 | 45.697 | 33.5894 | 0.078 | 72.212 | 34.2057 | 0.6943 | 74.2657 |
| 9/1/2025 | 2:00:00 PM | 33.4998 | 40.4745 | 6.9747 | 45.6953 | 33.5777 | 0.0779 | 72.2121 | 34.206 | 0.7062 | 74.2538 |
| 9/1/2025 | 3:00:00 PM | 33.4892 | 40.468 | 6.9788 | 45.6912 | 33.5675 | 0.0783 | 72.2117 | 34.2056 | 0.7164 | 74.2436 |
| 9/1/2025 | 4:00:00 PM | 33.4911 | 40.4714 | 6.9803 | 45.6897 | 33.5665 | 0.0754 | 72.2146 | 34.2074 | 0.7163 | 74.2437 |
| 9/1/2025 | 5:00:00 PM | 33.494 | 40.4718 | 6.9778 | 45.6922 | 33.5683 | 0.0743 | 72.2157 | 34.2078 | 0.7138 | 74.2462 |
| 9/1/2025 | 6:00:00 PM | 33.4941 | 40.4754 | 6.9813 | 45.6887 | 33.5689 | 0.0748 | 72.2152 | 34.2095 | 0.7154 | 74.2446 |
| 9/1/2025 | 7:00:00 PM | 33.4939 | 40.4755 | 6.9816 | 45.6884 | 33.5682 | 0.0743 | 72.2157 | 34.2083 | 0.7144 | 74.2456 |
| 9/1/2025 | 8:00:00 PM | 33.4963 | 40.4784 | 6.9821 | 45.6879 | 33.5715 | 0.0752 | 72.2148 | 34.2091 | 0.7128 | 74.2472 |
| 9/1/2025 | 9:00:00 PM | 33.5022 | 40.4833 | 6.9811 | 45.6889 | 33.5756 | 0.0734 | 72.2166 | 34.2108 | 0.7086 | 74.2514 |
| 9/1/2025 | 10:00:00 PM | 33.506 | 40.488 | 6.982 | 45.688 | 33.5818 | 0.0758 | 72.2142 | 34.2114 | 0.7054 | 74.2546 |
| 9/1/2025 | 11:00:00 PM | 33.5023 | 40.483 | 6.9807 | 45.6893 | 33.5795 | 0.0772 | 72.2128 | 34.21 | 0.7077 | 74.2523 |
| 9/2/2025 | 12:00:00 AM | 33.5258 | 40.5047 | 6.9789 | 45.6911 | 33.5974 | 0.0716 | 72.2184 | 34.2146 | 0.6888 | 74.2712 |
| 9/2/2025 | 1:00:00 AM | 33.5337 | 40.5077 | 6.974 | 45.696 | 33.6074 | 0.0737 | 72.2163 | 34.2142 | 0.6805 | 74.2795 |
| 9/2/2025 | 2:00:00 AM | 33.53 | 40.5051 | 6.9751 | 45.6949 | 33.6057 | 0.0757 | 72.2143 | 34.2137 | 0.6837 | 74.2763 |
| 9/2/2025 | 3:00:00 AM | 33.5445 | 40.5168 | 6.9723 | 45.6977 | 33.618 | 0.0735 | 72.2165 | 34.2154 | 0.6709 | 74.2891 |
| 9/2/2025 | 4:00:00 AM | 33.5404 | 40.5092 | 6.9688 | 45.7012 | 33.617 | 0.0766 | 72.2134 | 34.2135 | 0.6731 | 74.2869 |
| 9/2/2025 | 5:00:00 AM | 33.5378 | 40.5072 | 6.9694 | 45.7006 | 33.6138 | 0.076 | 72.214 | 34.2128 | 0.675 | 74.285 |
| 9/2/2025 | 6:00:00 AM | 33.5363 | 40.504 | 6.9677 | 45.7023 | 33.6121 | 0.0758 | 72.2142 | 34.2121 | 0.6758 | 74.2842 |
| 9/2/2025 | 7:00:00 AM | 33.5369 | 40.5038 | 6.9669 | 45.7031 | 33.6142 | 0.0773 | 72.2127 | 34.2118 | 0.6749 | 74.2851 |
| 9/2/2025 | 8:00:00 AM | 33.5408 | 40.5049 | 6.9641 | 45.7059 | 33.6172 | 0.0764 | 72.2136 | 34.2133 | 0.6725 | 74.2875 |
| 9/2/2025 | 9:00:00 AM | 33.5365 | 40.4994 | 6.9629 | 45.7071 | 33.6138 | 0.0773 | 72.2127 | 34.2115 | 0.675 | 74.285 |
| 9/2/2025 | 10:00:00 AM | 33.542 | 40.5044 | 6.9624 | 45.7076 | 33.6178 | 0.0758 | 72.2142 | 34.2136 | 0.6716 | 74.2884 |
| 9/2/2025 | 11:00:00 AM | 33.5377 | 40.5001 | 6.9624 | 45.7076 | 33.6156 | 0.0779 | 72.2121 | 34.2125 | 0.6748 | 74.2852 |
| 9/2/2025 | 12:00:00 PM | 33.5244 | 40.4889 | 6.9645 | 45.7055 | 33.6029 | 0.0785 | 72.2115 | 34.2125 | 0.6881 | 74.2719 |
| 9/2/2025 | 1:00:00 PM | 33.511 | 40.4772 | 6.9662 | 45.7038 | 33.5905 | 0.0795 | 72.2105 | 34.2107 | 0.6997 | 74.2603 |
| 9/2/2025 | 2:00:00 PM | 33.4927 | 40.4639 | 6.9712 | 45.6988 | 33.5719 | 0.0792 | 72.2108 | 34.2096 | 0.7169 | 74.2431 |
| 9/2/2025 | 3:00:00 PM | 33.4685 | 40.4447 | 6.9762 | 45.6938 | 33.5483 | 0.0798 | 72.2102 | 34.2049 | 0.7364 | 74.2236 |
| 9/2/2025 | 4:00:00 PM | 33.454 | 40.4364 | 6.9824 | 45.6876 | 33.5314 | 0.0774 | 72.2126 | 34.2049 | 0.7509 | 74.2091 |
| 9/2/2025 | 5:00:00 PM | 33.4648 | 40.448 | 6.9832 | 45.6868 | 33.5365 | 0.0717 | 72.2183 | 34.2082 | 0.7434 | 74.2166 |
| 9/2/2025 | 6:00:00 PM | 33.4598 | 40.4468 | 6.987 | 45.683 | 33.5335 | 0.0737 | 72.2163 | 34.2075 | 0.7477 | 74.2123 |
| 9/2/2025 | 7:00:00 PM | 33.458 | 40.4485 | 6.9905 | 45.6795 | 33.5339 | 0.0759 | 72.2141 | 34.2083 | 0.7503 | 74.2097 |
| 9/2/2025 | 8:00:00 PM | 33.4643 | 40.4534 | 6.9891 | 45.6809 | 33.5369 | 0.0726 | 72.2174 | 34.209 | 0.7447 | 74.2153 |
| 9/2/2025 | 9:00:00 PM | 33.4547 | 40.4469 | 6.9922 | 45.6778 | 33.5295 | 0.0748 | 72.2152 | 34.2068 | 0.7521 | 74.2079 |
| 9/2/2025 | 10:00:00 PM | 33.4546 | 40.4475 | 6.9929 | 45.6771 | 33.5275 | 0.0729 | 72.2171 | 34.207 | 0.7524 | 74.2076 |
| 9/2/2025 | 11:00:00 PM | 33.4583 | 40.453 | 6.9947 | 45.6753 | 33.531 | 0.0727 | 72.2173 | 34.208 | 0.7497 | 74.2103 |
| 9/3/2025 | 12:00:00 AM | 33.469 | 40.4621 | 6.9931 | 45.6769 | 33.5403 | 0.0713 | 72.2187 | 34.2107 | 0.7417 | 74.2183 |
| 9/3/2025 | 1:00:00 AM | 33.4796 | 40.4717 | 6.9921 | 45.6779 | 33.5502 | 0.0706 | 72.2194 | 34.2123 | 0.7327 | 74.2273 |
| 9/3/2025 | 2:00:00 AM | 33.4848 | 40.4758 | 6.991 | 45.679 | 33.5545 | 0.0697 | 72.2203 | 34.2115 | 0.7267 | 74.2333 |
| 9/3/2025 | 3:00:00 AM | 33.481 | 40.4746 | 6.9936 | 45.6764 | 33.5602 | 0.0792 | 72.2108 | 34.2115 | 0.7305 | 74.2295 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/3/2025 | 4:00:00 AM | 33.4955 | 40.4853 | 6.9898 | 45.6802 | 33.5704 | 0.0749 | 72.2151 | 34.2137 | 0.7182 | 74.2418 |
| 9/3/2025 | 5:00:00 AM | 33.4831 | 40.4716 | 6.9885 | 45.6815 | 33.5621 | 0.079 | 72.211 | 34.2089 | 0.7258 | 74.2342 |
| 9/3/2025 | 6:00:00 AM | 33.499 | 40.4847 | 6.9857 | 45.6843 | 33.5707 | 0.0717 | 72.2183 | 34.2127 | 0.7137 | 74.2463 |
| 9/3/2025 | 7:00:00 AM | 33.5057 | 40.4903 | 6.9846 | 45.6854 | 33.5787 | 0.073 | 72.217 | 34.2125 | 0.7068 | 74.2532 |
| 9/3/2025 | 8:00:00 AM | 33.5212 | 40.499 | 6.9778 | 45.6922 | 33.5928 | 0.0716 | 72.2184 | 34.2157 | 0.6945 | 74.2655 |
| 9/3/2025 | 9:00:00 AM | 33.5173 | 40.4936 | 6.9763 | 45.6937 | 33.5922 | 0.0749 | 72.2151 | 34.2146 | 0.6973 | 74.2627 |
| 9/3/2025 | 10:00:00 AM | 33.5131 | 40.4876 | 6.9745 | 45.6955 | 33.5886 | 0.0755 | 72.2145 | 34.2128 | 0.6997 | 74.2603 |
| 9/3/2025 | 11:00:00 AM | 33.5083 | 40.483 | 6.9747 | 45.6953 | 33.5847 | 0.0764 | 72.2136 | 34.2122 | 0.7039 | 74.2561 |
| 9/3/2025 | 12:00:00 PM | 33.492 | 40.467 | 6.975 | 45.695 | 33.5701 | 0.0781 | 72.2119 | 34.2104 | 0.7184 | 74.2416 |
| 9/3/2025 | 1:00:00 PM | 33.4734 | 40.4514 | 6.978 | 45.692 | 33.552 | 0.0786 | 72.2114 | 34.2082 | 0.7348 | 74.2252 |
| 9/3/2025 | 2:00:00 PM | 33.4652 | 40.4457 | 6.9805 | 45.6895 | 33.54 | 0.0748 | 72.2152 | 34.2096 | 0.7444 | 74.2156 |
| 9/3/2025 | 3:00:00 PM | 33.4429 | 40.427 | 6.9841 | 45.6859 | 33.5188 | 0.0759 | 72.2141 | 34.2064 | 0.7635 | 74.1965 |
| 9/3/2025 | 4:00:00 PM | 33.4238 | 40.4178 | 6.994 | 45.676 | 33.5022 | 0.0784 | 72.2116 | 34.2064 | 0.7826 | 74.1774 |
| 9/3/2025 | 5:00:00 PM | 33.4116 | 40.4121 | 7.0005 | 45.6695 | 33.489 | 0.0774 | 72.2126 | 34.2052 | 0.7936 | 74.1664 |
| 9/3/2025 | 6:00:00 PM | 33.4019 | 40.4097 | 7.0078 | 45.6622 | 33.4787 | 0.0768 | 72.2132 | 34.2067 | 0.8048 | 74.1552 |
| 9/3/2025 | 7:00:00 PM | 33.4004 | 40.4139 | 7.0135 | 45.6565 | 33.4771 | 0.0767 | 72.2133 | 34.2079 | 0.8075 | 74.1525 |
| 9/3/2025 | 8:00:00 PM | 33.4268 | 40.4391 | 7.0123 | 45.6577 | 33.4976 | 0.0708 | 72.2192 | 34.2114 | 0.7846 | 74.1754 |
| 9/3/2025 | 9:00:00 PM | 33.4402 | 40.4506 | 7.0104 | 45.6596 | 33.5108 | 0.0706 | 72.2194 | 34.214 | 0.7738 | 74.1862 |
| 9/3/2025 | 10:00:00 PM | 33.4475 | 40.4574 | 7.0099 | 45.6601 | 33.519 | 0.0715 | 72.2185 | 34.2126 | 0.7651 | 74.1949 |
| 9/3/2025 | 11:00:00 PM | 33.4529 | 40.4625 | 7.0096 | 45.6604 | 33.5252 | 0.0723 | 72.2177 | 34.2141 | 0.7612 | 74.1988 |
| 9/4/2025 | 12:00:00 AM | 33.4398 | 40.4508 | 7.011 | 45.659 | 33.5175 | 0.0777 | 72.2123 | 34.2111 | 0.7713 | 74.1887 |
| 9/4/2025 | 1:00:00 AM | 33.4327 | 40.4449 | 7.0122 | 45.6578 | 33.5092 | 0.0765 | 72.2135 | 34.2096 | 0.7769 | 74.1831 |
| 9/4/2025 | 2:00:00 AM | 33.4245 | 40.44 | 7.0155 | 45.6545 | 33.5009 | 0.0764 | 72.2136 | 34.2089 | 0.7844 | 74.1756 |
| 9/4/2025 | 3:00:00 AM | 33.4296 | 40.4443 | 7.0147 | 45.6553 | 33.5009 | 0.0713 | 72.2187 | 34.2096 | 0.78 | 74.18 |
| 9/4/2025 | 4:00:00 AM | 33.4223 | 40.4398 | 7.0175 | 45.6525 | 33.4996 | 0.0773 | 72.2127 | 34.208 | 0.7857 | 74.1743 |
| 9/4/2025 | 5:00:00 AM | 33.4241 | 40.4426 | 7.0185 | 45.6515 | 33.4999 | 0.0758 | 72.2142 | 34.2085 | 0.7844 | 74.1756 |
| 9/4/2025 | 6:00:00 AM | 33.4221 | 40.4401 | 7.018 | 45.652 | 33.4985 | 0.0764 | 72.2136 | 34.2084 | 0.7863 | 74.1737 |
| 9/4/2025 | 7:00:00 AM | 33.4207 | 40.4386 | 7.0179 | 45.6521 | 33.4972 | 0.0765 | 72.2135 | 34.2073 | 0.7866 | 74.1734 |
| 9/4/2025 | 8:00:00 AM | 33.4107 | 40.4311 | 7.0204 | 45.6496 | 33.4899 | 0.0792 | 72.2108 | 34.2059 | 0.7952 | 74.1648 |
| 9/4/2025 | 9:00:00 AM | 33.4009 | 40.4223 | 7.0214 | 45.6486 | 33.4826 | 0.0817 | 72.2083 | 34.205 | 0.8041 | 74.1559 |
| 9/4/2025 | 10:00:00 AM | 33.393 | 40.4175 | 7.0245 | 45.6455 | 33.4733 | 0.0803 | 72.2097 | 34.2023 | 0.8093 | 74.1507 |
| 9/4/2025 | 11:00:00 AM | 33.383 | 40.4095 | 7.0265 | 45.6435 | 33.4662 | 0.0832 | 72.2068 | 34.2012 | 0.8182 | 74.1418 |
| 9/4/2025 | 12:00:00 PM | 33.3721 | 40.4002 | 7.0281 | 45.6419 | 33.4552 | 0.0831 | 72.2069 | 34.2014 | 0.8293 | 74.1307 |
| 9/4/2025 | 1:00:00 PM | 33.3524 | 40.3854 | 7.033 | 45.637 | 33.4345 | 0.0821 | 72.2079 | 34.1993 | 0.8469 | 74.1131 |
| 9/4/2025 | 2:00:00 PM | 33.3303 | 40.3693 | 7.039 | 45.631 | 33.4149 | 0.0846 | 72.2054 | 34.1968 | 0.8665 | 74.0935 |
| 9/4/2025 | 3:00:00 PM | 33.303 | 40.3515 | 7.0485 | 45.6215 | 33.388 | 0.085 | 72.205 | 34.1951 | 0.8921 | 74.0679 |
| 9/4/2025 | 4:00:00 PM | 33.2823 | 40.3399 | 7.0576 | 45.6124 | 33.3653 | 0.083 | 72.207 | 34.1933 | 0.911 | 74.049 |
| 9/4/2025 | 5:00:00 PM | 33.2662 | 40.3332 | 7.067 | 45.603 | 33.3493 | 0.0831 | 72.2069 | 34.1941 | 0.9279 | 74.0321 |
| 9/4/2025 | 6:00:00 PM | 33.26 | 40.3347 | 7.0747 | 45.5953 | 33.341 | 0.081 | 72.209 | 34.1935 | 0.9335 | 74.0265 |
| 9/4/2025 | 7:00:00 PM | 33.2507 | 40.3342 | 7.0835 | 45.5865 | 33.3323 | 0.0816 | 72.2084 | 34.1941 | 0.9434 | 74.0166 |
| 9/4/2025 | 8:00:00 PM | 33.2574 | 40.3443 | 7.0869 | 45.5831 | 33.3369 | 0.0795 | 72.2105 | 34.1964 | 0.939 | 74.021 |
| 9/4/2025 | 9:00:00 PM | 33.2693 | 40.3582 | 7.0889 | 45.5811 | 33.3459 | 0.0766 | 72.2134 | 34.1977 | 0.9284 | 74.0316 |
| 9/4/2025 | 10:00:00 PM | 33.2698 | 40.3609 | 7.0911 | 45.5789 | 33.3473 | 0.0775 | 72.2125 | 34.1979 | 0.9281 | 74.0319 |
| 9/4/2025 | 11:00:00 PM | 33.2698 | 40.3636 | 7.0938 | 45.5762 | 33.3484 | 0.0786 | 72.2114 | 34.1981 | 0.9283 | 74.0317 |
| 9/5/2025 | 12:00:00 AM | 33.2678 | 40.3644 | 7.0966 | 45.5734 | 33.3475 | 0.0797 | 72.2103 | 34.1972 | 0.9294 | 74.0306 |
| 9/5/2025 | 1:00:00 AM | 33.2643 | 40.3638 | 7.0995 | 45.5705 | 33.3445 | 0.0802 | 72.2098 | 34.1968 | 0.9325 | 74.0275 |
| 9/5/2025 | 2:00:00 AM | 33.2612 | 40.3623 | 7.1011 | 45.5689 | 33.3417 | 0.0805 | 72.2095 | 34.1967 | 0.9355 | 74.0245 |
| 9/5/2025 | 3:00:00 AM | 33.2598 | 40.3654 | 7.1056 | 45.5644 | 33.3409 | 0.0811 | 72.2089 | 34.1965 | 0.9367 | 74.0233 |
| 9/5/2025 | 4:00:00 AM | 33.2637 | 40.3698 | 7.1061 | 45.5639 | 33.3433 | 0.0796 | 72.2104 | 34.197 | 0.9333 | 74.0267 |
| 9/5/2025 | 5:00:00 AM | 33.2676 | 40.3731 | 7.1055 | 45.5645 | 33.3471 | 0.0795 | 72.2105 | 34.1968 | 0.9292 | 74.0308 |
| 9/5/2025 | 6:00:00 AM | 33.2655 | 40.3727 | 7.1072 | 45.5628 | 33.3456 | 0.0801 | 72.2099 | 34.1961 | 0.9306 | 74.0294 |
| 9/5/2025 | 7:00:00 AM | 33.2712 | 40.3789 | 7.1077 | 45.5623 | 33.3524 | 0.0812 | 72.2088 | 34.1963 | 0.9251 | 74.0349 |
| 9/5/2025 | 8:00:00 AM | 33.281 | 40.3864 | 7.1054 | 45.5646 | 33.3616 | 0.0806 | 72.2094 | 34.1964 | 0.9154 | 74.0446 |
| 9/5/2025 | 9:00:00 AM | 33.2864 | 40.3893 | 7.1029 | 45.5671 | 33.3666 | 0.0802 | 72.2098 | 34.1975 | 0.9111 | 74.0489 |
| 9/5/2025 | 10:00:00 AM | 33.292 | 40.3928 | 7.1008 | 45.5692 | 33.3726 | 0.0806 | 72.2094 | 34.197 | 0.905 | 74.055 |
| 9/5/2025 | 11:00:00 AM | 33.2915 | 40.3903 | 7.0988 | 45.5712 | 33.375 | 0.0835 | 72.2065 | 34.1964 | 0.9049 | 74.0551 |
| 9/5/2025 | 12:00:00 PM | 33.2842 | 40.38 | 7.0958 | 45.5742 | 33.3687 | 0.0845 | 72.2055 | 34.195 | 0.9108 | 74.0492 |
| 9/5/2025 | 1:00:00 PM | 33.2733 | 40.3706 | 7.0973 | 45.5727 | 33.3574 | 0.0841 | 72.2059 | 34.1927 | 0.9194 | 74.0406 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/5/2025 | 2:00:00 PM | 33.2654 | 40.3647 | 7.0993 | 45.5707 | 33.3467 | 0.0813 | 72.2087 | 34.1915 | 0.9261 | 74.0339 |
| 9/5/2025 | 3:00:00 PM | 33.2404 | 40.3448 | 7.1044 | 45.5656 | 33.3272 | 0.0868 | 72.2032 | 34.189 | 0.9486 | 74.0114 |
| 9/5/2025 | 4:00:00 PM | 33.2302 | 40.3389 | 7.1087 | 45.5613 | 33.3151 | 0.0849 | 72.2051 | 34.1878 | 0.9576 | 74.0024 |
| 9/5/2025 | 5:00:00 PM | 33.23 | 40.344 | 7.114 | 45.556 | 33.3125 | 0.0825 | 72.2075 | 34.1885 | 0.9585 | 74.0015 |
| 9/5/2025 | 6:00:00 PM | 33.2296 | 40.3457 | 7.1161 | 45.5539 | 33.3103 | 0.0807 | 72.2093 | 34.1891 | 0.9595 | 74.0005 |
| 9/5/2025 | 7:00:00 PM | 33.2256 | 40.3439 | 7.1183 | 45.5517 | 33.3081 | 0.0825 | 72.2075 | 34.1882 | 0.9626 | 73.9974 |
| 9/5/2025 | 8:00:00 PM | 33.2257 | 40.3473 | 7.1216 | 45.5484 | 33.3097 | 0.084 | 72.206 | 34.1867 | 0.961 | 73.999 |
| 9/5/2025 | 9:00:00 PM | 33.2368 | 40.3562 | 7.1194 | 45.5506 | 33.3181 | 0.0813 | 72.2087 | 34.1884 | 0.9516 | 74.0084 |
| 9/5/2025 | 10:00:00 PM | 33.2522 | 40.3692 | 7.117 | 45.553 | 33.3311 | 0.0789 | 72.2111 | 34.1912 | 0.939 | 74.021 |
| 9/5/2025 | 11:00:00 PM | 33.2606 | 40.3735 | 7.1129 | 45.5571 | 33.3408 | 0.0802 | 72.2098 | 34.1899 | 0.9293 | 74.0307 |
| 9/6/2025 | 12:00:00 AM | 33.269 | 40.38 | 7.111 | 45.559 | 33.3463 | 0.0773 | 72.2127 | 34.1893 | 0.9203 | 74.0397 |
| 9/6/2025 | 1:00:00 AM | 33.2777 | 40.3865 | 7.1088 | 45.5612 | 33.3552 | 0.0775 | 72.2125 | 34.1919 | 0.9142 | 74.0458 |
| 9/6/2025 | 2:00:00 AM | 33.2869 | 40.3928 | 7.1059 | 45.5641 | 33.3633 | 0.0764 | 72.2136 | 34.1921 | 0.9052 | 74.0548 |
| 9/6/2025 | 3:00:00 AM | 33.2883 | 40.3914 | 7.1031 | 45.5669 | 33.3698 | 0.0815 | 72.2085 | 34.1919 | 0.9036 | 74.0564 |
| 9/6/2025 | 4:00:00 AM | 33.2981 | 40.3997 | 7.1016 | 45.5684 | 33.3761 | 0.078 | 72.212 | 34.1935 | 0.8954 | 74.0646 |
| 9/6/2025 | 5:00:00 AM | 33.304 | 40.4041 | 7.1001 | 45.5699 | 33.383 | 0.079 | 72.211 | 34.1932 | 0.8892 | 74.0708 |
| 9/6/2025 | 6:00:00 AM | 33.3176 | 40.4141 | 7.0965 | 45.5735 | 33.3953 | 0.0777 | 72.2123 | 34.1946 | 0.877 | 74.083 |
| 9/6/2025 | 7:00:00 AM | 33.3267 | 40.4212 | 7.0945 | 45.5755 | 33.4076 | 0.0809 | 72.2091 | 34.1966 | 0.8699 | 74.0901 |
| 9/6/2025 | 8:00:00 AM | 33.3513 | 40.4381 | 7.0868 | 45.5832 | 33.43 | 0.0787 | 72.2113 | 34.1987 | 0.8474 | 74.1126 |
| 9/6/2025 | 9:00:00 AM | 33.3833 | 40.4588 | 7.0755 | 45.5945 | 33.4581 | 0.0748 | 72.2152 | 34.2024 | 0.8191 | 74.1409 |
| 9/6/2025 | 10:00:00 AM | 33.39 | 40.4593 | 7.0693 | 45.6007 | 33.4693 | 0.0793 | 72.2107 | 34.1999 | 0.8099 | 74.1501 |
| 9/6/2025 | 11:00:00 AM | 33.3639 | 40.4329 | 7.069 | 45.601 | 33.4564 | 0.0925 | 72.1975 | 34.1929 | 0.829 | 74.131 |
| 9/6/2025 | 12:00:00 PM | 33.355 | 40.4209 | 7.0659 | 45.6041 | 33.4449 | 0.0899 | 72.2001 | 34.1914 | 0.8364 | 74.1236 |
| 9/6/2025 | 1:00:00 PM | 33.3248 | 40.3956 | 7.0708 | 45.5992 | 33.4179 | 0.0931 | 72.1969 | 34.1863 | 0.8615 | 74.0985 |
| 9/6/2025 | 2:00:00 PM | 33.3299 | 40.4009 | 7.071 | 45.599 | 33.4158 | 0.0859 | 72.2041 | 34.1884 | 0.8585 | 74.1015 |
| 9/6/2025 | 3:00:00 PM | 33.3502 | 40.4178 | 7.0676 | 45.6024 | 33.4275 | 0.0773 | 72.2127 | 34.1931 | 0.8429 | 74.1171 |
| 9/6/2025 | 4:00:00 PM | 33.3509 | 40.417 | 7.0661 | 45.6039 | 33.4304 | 0.0795 | 72.2105 | 34.1918 | 0.8409 | 74.1191 |
| 9/6/2025 | 5:00:00 PM | 33.3522 | 40.4177 | 7.0655 | 45.6045 | 33.4309 | 0.0787 | 72.2113 | 34.1917 | 0.8395 | 74.1205 |
| 9/6/2025 | 6:00:00 PM | 33.353 | 40.4189 | 7.0659 | 45.6041 | 33.4315 | 0.0785 | 72.2115 | 34.1905 | 0.8375 | 74.1225 |
| 9/6/2025 | 7:00:00 PM | 33.3658 | 40.4296 | 7.0638 | 45.6062 | 33.4435 | 0.0777 | 72.2123 | 34.1925 | 0.8267 | 74.1333 |
| 9/6/2025 | 8:00:00 PM | 33.3763 | 40.4375 | 7.0612 | 45.6088 | 33.453 | 0.0767 | 72.2133 | 34.1928 | 0.8165 | 74.1435 |
| 9/6/2025 | 9:00:00 PM | 33.39 | 40.4446 | 7.0546 | 45.6154 | 33.4652 | 0.0752 | 72.2148 | 34.1923 | 0.8023 | 74.1577 |
| 9/6/2025 | 10:00:00 PM | 33.41 | 40.4605 | 7.0505 | 45.6195 | 33.4863 | 0.0763 | 72.2137 | 34.1949 | 0.7849 | 74.1751 |
| 9/6/2025 | 11:00:00 PM | 33.452 | 40.4886 | 7.0366 | 45.6334 | 33.5207 | 0.0687 | 72.2213 | 34.199 | 0.747 | 74.213 |
| 9/7/2025 | 12:00:00 AM | 33.4708 | 40.4981 | 7.0273 | 45.6427 | 33.5422 | 0.0714 | 72.2186 | 34.1984 | 0.7276 | 74.2324 |
| 9/7/2025 | 1:00:00 AM | 33.4744 | 40.4955 | 7.0211 | 45.6489 | 33.5503 | 0.0759 | 72.2141 | 34.1965 | 0.7221 | 74.2379 |
| 9/7/2025 | 2:00:00 AM | 33.4583 | 40.4757 | 7.0174 | 45.6526 | 33.5422 | 0.0839 | 72.2061 | 34.1917 | 0.7334 | 74.2266 |
| 9/7/2025 | 3:00:00 AM | 33.4551 | 40.4713 | 7.0162 | 45.6538 | 33.5367 | 0.0816 | 72.2084 | 34.1903 | 0.7352 | 74.2248 |
| 9/7/2025 | 4:00:00 AM | 33.4662 | 40.4766 | 7.0104 | 45.6596 | 33.544 | 0.0778 | 72.2122 | 34.1921 | 0.7259 | 74.2341 |
| 9/7/2025 | 5:00:00 AM | 33.469 | 40.4752 | 7.0062 | 45.6638 | 33.5486 | 0.0796 | 72.2104 | 34.1912 | 0.7222 | 74.2378 |
| 9/7/2025 | 6:00:00 AM | 33.4687 | 40.4719 | 7.0032 | 45.6668 | 33.5482 | 0.0795 | 72.2105 | 34.1899 | 0.7212 | 74.2388 |
| 9/7/2025 | 7:00:00 AM | 33.4838 | 40.4843 | 7.0005 | 45.6695 | 33.5601 | 0.0763 | 72.2137 | 34.1935 | 0.7097 | 74.2503 |
| 9/7/2025 | 8:00:00 AM | 33.5082 | 40.4995 | 6.9913 | 45.6787 | 33.5804 | 0.0722 | 72.2178 | 34.1953 | 0.6871 | 74.2729 |
| 9/7/2025 | 9:00:00 AM | 33.5217 | 40.5048 | 6.9831 | 45.6869 | 33.5956 | 0.0739 | 72.2161 | 34.1959 | 0.6742 | 74.2858 |
| 9/7/2025 | 10:00:00 AM | 33.5333 | 40.5106 | 6.9773 | 45.6927 | 33.6081 | 0.0748 | 72.2152 | 34.1957 | 0.6624 | 74.2976 |
| 9/7/2025 | 11:00:00 AM | 33.5343 | 40.5068 | 6.9725 | 45.6975 | 33.6111 | 0.0768 | 72.2132 | 34.1943 | 0.66 | 74.3 |
| 9/7/2025 | 12:00:00 PM | 33.5406 | 40.506 | 6.9654 | 45.7046 | 33.6157 | 0.0751 | 72.2149 | 34.1944 | 0.6538 | 74.3062 |
| 9/7/2025 | 1:00:00 PM | 33.5392 | 40.4993 | 6.9601 | 45.7099 | 33.615 | 0.0758 | 72.2142 | 34.1925 | 0.6533 | 74.3067 |
| 9/7/2025 | 2:00:00 PM | 33.5353 | 40.4933 | 6.958 | 45.712 | 33.6123 | 0.077 | 72.213 | 34.192 | 0.6567 | 74.3033 |
| 9/7/2025 | 3:00:00 PM | 33.5309 | 40.487 | 6.9561 | 45.7139 | 33.6059 | 0.075 | 72.215 | 34.1908 | 0.6599 | 74.3001 |
| 9/7/2025 | 4:00:00 PM | 33.5253 | 40.4812 | 6.9559 | 45.7141 | 33.6017 | 0.0764 | 72.2136 | 34.1909 | 0.6656 | 74.2944 |
| 9/7/2025 | 5:00:00 PM | 33.5163 | 40.4735 | 6.9572 | 45.7128 | 33.5925 | 0.0762 | 72.2138 | 34.1886 | 0.6723 | 74.2877 |
| 9/7/2025 | 6:00:00 PM | 33.514 | 40.4693 | 6.9553 | 45.7147 | 33.587 | 0.073 | 72.217 | 34.1885 | 0.6745 | 74.2855 |
| 9/7/2025 | 7:00:00 PM | 33.5118 | 40.468 | 6.9562 | 45.7138 | 33.5841 | 0.0723 | 72.2177 | 34.1872 | 0.6754 | 74.2846 |
| 9/7/2025 | 8:00:00 PM | 33.518 | 40.4737 | 6.9557 | 45.7143 | 33.5873 | 0.0693 | 72.2207 | 34.1876 | 0.6696 | 74.2904 |
| 9/7/2025 | 9:00:00 PM | 33.5296 | 40.4796 | 6.95 | 45.72 | 33.5957 | 0.0661 | 72.2239 | 34.1905 | 0.6609 | 74.2991 |
| 9/7/2025 | 10:00:00 PM | 33.531 | 40.4797 | 6.9487 | 45.7213 | 33.5989 | 0.0679 | 72.2221 | 34.1886 | 0.6576 | 74.3024 |
| 9/7/2025 | 11:00:00 PM | 33.5312 | 40.4785 | 6.9473 | 45.7227 | 33.6009 | 0.0697 | 72.2203 | 34.1878 | 0.6566 | 74.3034 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/8/2025 | 12:00:00 AM | 33.5236 | 40.4689 | 6.9453 | 45.7247 | 33.5954 | 0.0718 | 72.2182 | 34.1855 | 0.6619 | 74.2981 |
| 9/8/2025 | 1:00:00 AM | 33.5224 | 40.4668 | 6.9444 | 45.7256 | 33.5936 | 0.0712 | 72.2188 | 34.1852 | 0.6628 | 74.2972 |
| 9/8/2025 | 2:00:00 AM | 33.5158 | 40.4603 | 6.9445 | 45.7255 | 33.5869 | 0.0711 | 72.2189 | 34.1834 | 0.6676 | 74.2924 |
| 9/8/2025 | 3:00:00 AM | 33.5004 | 40.4476 | 6.9472 | 45.7228 | 33.5763 | 0.0759 | 72.2141 | 34.1816 | 0.6812 | 74.2788 |
| 9/8/2025 | 4:00:00 AM | 33.497 | 40.4462 | 6.9492 | 45.7208 | 33.5713 | 0.0743 | 72.2157 | 34.1807 | 0.6837 | 74.2763 |
| 9/8/2025 | 5:00:00 AM | 33.486 | 40.4375 | 6.9515 | 45.7185 | 33.5621 | 0.0761 | 72.2139 | 34.1794 | 0.6934 | 74.2666 |
| 9/8/2025 | 6:00:00 AM | 33.4803 | 40.433 | 6.9527 | 45.7173 | 33.5571 | 0.0768 | 72.2132 | 34.1792 | 0.6989 | 74.2611 |
| 9/8/2025 | 7:00:00 AM | 33.485 | 40.4378 | 6.9528 | 45.7172 | 33.5595 | 0.0745 | 72.2155 | 34.1799 | 0.6949 | 74.2651 |
| 9/8/2025 | 8:00:00 AM | 33.4868 | 40.4388 | 6.952 | 45.718 | 33.5613 | 0.0745 | 72.2155 | 34.1801 | 0.6933 | 74.2667 |
| 9/8/2025 | 9:00:00 AM | 33.4851 | 40.4377 | 6.9526 | 45.7174 | 33.5603 | 0.0752 | 72.2148 | 34.1789 | 0.6938 | 74.2662 |
| 9/8/2025 | 10:00:00 AM | 33.479 | 40.431 | 6.952 | 45.718 | 33.556 | 0.077 | 72.213 | 34.178 | 0.699 | 74.261 |
| 9/8/2025 | 11:00:00 AM | 33.4718 | 40.4246 | 6.9528 | 45.7172 | 33.5489 | 0.0771 | 72.2129 | 34.1766 | 0.7048 | 74.2552 |
| 9/8/2025 | 12:00:00 PM | 33.4596 | 40.4132 | 6.9536 | 45.7164 | 33.5386 | 0.079 | 72.211 | 34.1752 | 0.7156 | 74.2444 |
| 9/8/2025 | 1:00:00 PM | 33.4433 | 40.3996 | 6.9563 | 45.7137 | 33.5251 | 0.0818 | 72.2082 | 34.1724 | 0.7291 | 74.2309 |
| 9/8/2025 | 2:00:00 PM | 33.4265 | 40.3857 | 6.9592 | 45.7108 | 33.5091 | 0.0826 | 72.2074 | 34.17 | 0.7435 | 74.2165 |
| 9/8/2025 | 3:00:00 PM | 33.4148 | 40.3789 | 6.9641 | 45.7059 | 33.4946 | 0.0798 | 72.2102 | 34.1682 | 0.7534 | 74.2066 |
| 9/8/2025 | 4:00:00 PM | 33.3927 | 40.3621 | 6.9694 | 45.7006 | 33.4766 | 0.0839 | 72.2061 | 34.1669 | 0.7742 | 74.1858 |
| 9/8/2025 | 5:00:00 PM | 33.3774 | 40.3523 | 6.9749 | 45.6951 | 33.4599 | 0.0825 | 72.2075 | 34.1663 | 0.7889 | 74.1711 |
| 9/8/2025 | 6:00:00 PM | 33.3717 | 40.3542 | 6.9825 | 45.6875 | 33.4529 | 0.0812 | 72.2088 | 34.1668 | 0.7951 | 74.1649 |
| 9/8/2025 | 7:00:00 PM | 33.3745 | 40.3603 | 6.9858 | 45.6842 | 33.4531 | 0.0786 | 72.2114 | 34.1676 | 0.7931 | 74.1669 |
| 9/8/2025 | 8:00:00 PM | 33.3876 | 40.373 | 6.9854 | 45.6846 | 33.4609 | 0.0733 | 72.2167 | 34.1691 | 0.7815 | 74.1785 |
| 9/8/2025 | 9:00:00 PM | 33.4022 | 40.3872 | 6.985 | 45.685 | 33.4746 | 0.0724 | 72.2176 | 34.1712 | 0.769 | 74.191 |
| 9/8/2025 | 10:00:00 PM | 33.4126 | 40.3951 | 6.9825 | 45.6875 | 33.4868 | 0.0742 | 72.2158 | 34.1717 | 0.7591 | 74.2009 |
| 9/8/2025 | 11:00:00 PM | 33.418 | 40.3989 | 6.9809 | 45.6891 | 33.493 | 0.075 | 72.215 | 34.1711 | 0.7531 | 74.2069 |
| 9/9/2025 | 12:00:00 AM | 33.4177 | 40.3942 | 6.9765 | 45.6935 | 33.4938 | 0.0761 | 72.2139 | 34.1704 | 0.7527 | 74.2073 |
| 9/9/2025 | 1:00:00 AM | 33.4106 | 40.3902 | 6.9796 | 45.6904 | 33.4919 | 0.0813 | 72.2087 | 34.1683 | 0.7577 | 74.2023 |
| 9/9/2025 | 2:00:00 AM | 33.4127 | 40.392 | 6.9793 | 45.6907 | 33.492 | 0.0793 | 72.2107 | 34.1686 | 0.7559 | 74.2041 |
| 9/9/2025 | 3:00:00 AM | 33.401 | 40.3815 | 6.9805 | 45.6895 | 33.4845 | 0.0835 | 72.2065 | 34.1668 | 0.7658 | 74.1942 |
| 9/9/2025 | 4:00:00 AM | 33.3918 | 40.3745 | 6.9827 | 45.6873 | 33.477 | 0.0852 | 72.2048 | 34.1649 | 0.7731 | 74.1869 |
| 9/9/2025 | 5:00:00 AM | 33.3882 | 40.3742 | 6.986 | 45.684 | 33.4725 | 0.0843 | 72.2057 | 34.1656 | 0.7774 | 74.1826 |
| 9/9/2025 | 6:00:00 AM | 33.3772 | 40.3678 | 6.9906 | 45.6794 | 33.4647 | 0.0875 | 72.2025 | 34.1648 | 0.7876 | 74.1724 |
| 9/9/2025 | 7:00:00 AM | 33.3802 | 40.3696 | 6.9894 | 45.6806 | 33.4669 | 0.0867 | 72.2033 | 34.1657 | 0.7855 | 74.1745 |
| 9/9/2025 | 8:00:00 AM | 33.3837 | 40.3737 | 6.99 | 45.68 | 33.4677 | 0.084 | 72.206 | 34.1658 | 0.7821 | 74.1779 |
| 9/9/2025 | 9:00:00 AM | 33.3856 | 40.3749 | 6.9893 | 45.6807 | 33.4695 | 0.0839 | 72.2061 | 34.1669 | 0.7813 | 74.1787 |
| 9/9/2025 | 10:00:00 AM | 33.3913 | 40.3804 | 6.9891 | 45.6809 | 33.474 | 0.0827 | 72.2073 | 34.1661 | 0.7748 | 74.1852 |
| 9/9/2025 | 11:00:00 AM | 33.3811 | 40.3683 | 6.9872 | 45.6828 | 33.4687 | 0.0876 | 72.2024 | 34.1642 | 0.7831 | 74.1769 |
| 9/9/2025 | 12:00:00 PM | 33.3698 | 40.359 | 6.9892 | 45.6808 | 33.459 | 0.0892 | 72.2008 | 34.1619 | 0.7921 | 74.1679 |
| 9/9/2025 | 1:00:00 PM | 33.369 | 40.3587 | 6.9897 | 45.6803 | 33.4548 | 0.0858 | 72.2042 | 34.1625 | 0.7935 | 74.1665 |
| 9/9/2025 | 2:00:00 PM | 33.3591 | 40.3499 | 6.9908 | 45.6792 | 33.4472 | 0.0881 | 72.2019 | 34.1613 | 0.8022 | 74.1578 |
| 9/9/2025 | 3:00:00 PM | 33.3447 | 40.3373 | 6.9926 | 45.6774 | 33.4337 | 0.089 | 72.201 | 34.1596 | 0.8149 | 74.1451 |
| 9/9/2025 | 4:00:00 PM | 33.336 | 40.3321 | 6.9961 | 45.6739 | 33.423 | 0.087 | 72.203 | 34.1602 | 0.8242 | 74.1358 |
| 9/9/2025 | 5:00:00 PM | 33.3299 | 40.3295 | 6.9996 | 45.6704 | 33.4164 | 0.0865 | 72.2035 | 34.1598 | 0.8299 | 74.1301 |
| 9/9/2025 | 6:00:00 PM | 33.3257 | 40.3292 | 7.0035 | 45.6665 | 33.4103 | 0.0846 | 72.2054 | 34.1604 | 0.8347 | 74.1253 |
| 9/9/2025 | 7:00:00 PM | 33.3383 | 40.3437 | 7.0054 | 45.6646 | 33.4165 | 0.0782 | 72.2118 | 34.163 | 0.8247 | 74.1353 |
| 9/9/2025 | 8:00:00 PM | 33.348 | 40.3518 | 7.0038 | 45.6662 | 33.4239 | 0.0759 | 72.2141 | 34.1632 | 0.8152 | 74.1448 |
| 9/9/2025 | 9:00:00 PM | 33.3487 | 40.3527 | 7.004 | 45.666 | 33.4274 | 0.0787 | 72.2113 | 34.1636 | 0.8149 | 74.1451 |
| 9/9/2025 | 10:00:00 PM | 33.3548 | 40.3576 | 7.0028 | 45.6672 | 33.4306 | 0.0758 | 72.2142 | 34.1639 | 0.8091 | 74.1509 |
| 9/9/2025 | 11:00:00 PM | 33.3614 | 40.3625 | 7.0011 | 45.6689 | 33.4367 | 0.0753 | 72.2147 | 34.1641 | 0.8027 | 74.1573 |
| 9/10/2025 | 12:00:00 AM | 33.3642 | 40.3663 | 7.0021 | 45.6679 | 33.4421 | 0.0779 | 72.2121 | 34.163 | 0.7988 | 74.1612 |
| 9/10/2025 | 1:00:00 AM | 33.3656 | 40.3656 | 7 | 45.67 | 33.4445 | 0.0789 | 72.2111 | 34.1622 | 0.7966 | 74.1634 |
| 9/10/2025 | 2:00:00 AM | 33.3569 | 40.3589 | 7.002 | 45.668 | 33.44 | 0.0831 | 72.2069 | 34.1603 | 0.8034 | 74.1566 |
| 9/10/2025 | 3:00:00 AM | 33.3525 | 40.3544 | 7.0019 | 45.6681 | 33.4367 | 0.0842 | 72.2058 | 34.1596 | 0.8071 | 74.1529 |
| 9/10/2025 | 4:00:00 AM | 33.3572 | 40.3588 | 7.0016 | 45.6684 | 33.4382 | 0.081 | 72.209 | 34.1602 | 0.803 | 74.157 |
| 9/10/2025 | 5:00:00 AM | 33.3566 | 40.3588 | 7.0022 | 45.6678 | 33.4374 | 0.0808 | 72.2092 | 34.1604 | 0.8038 | 74.1562 |
| 9/10/2025 | 6:00:00 AM | 33.3546 | 40.3596 | 7.005 | 45.665 | 33.4371 | 0.0825 | 72.2075 | 34.1596 | 0.805 | 74.155 |
| 9/10/2025 | 7:00:00 AM | 33.3628 | 40.3654 | 7.0026 | 45.6674 | 33.444 | 0.0812 | 72.2088 | 34.1614 | 0.7986 | 74.1614 |
| 9/10/2025 | 8:00:00 AM | 33.3727 | 40.3742 | 7.0015 | 45.6685 | 33.453 | 0.0803 | 72.2097 | 34.1627 | 0.79 | 74.17 |
| 9/10/2025 | 9:00:00 AM | 33.3861 | 40.3829 | 6.9968 | 45.6732 | 33.4628 | 0.0767 | 72.2133 | 34.1644 | 0.7783 | 74.1817 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/10/2025 | 10:00:00 AM | 33.3931 | 40.387 | 6.9939 | 45.6761 | 33.4702 | 0.0771 | 72.2129 | 34.1626 | 0.7695 | 74.1905 |
| 9/10/2025 | 11:00:00 AM | 33.3847 | 40.3778 | 6.9931 | 45.6769 | 33.4687 | 0.084 | 72.206 | 34.1625 | 0.7778 | 74.1822 |
| 9/10/2025 | 12:00:00 PM | 33.3842 | 40.3737 | 6.9895 | 45.6805 | 33.4661 | 0.0819 | 72.2081 | 34.1616 | 0.7774 | 74.1826 |
| 9/10/2025 | 1:00:00 PM | 33.3729 | 40.3625 | 6.9896 | 45.6804 | 33.4556 | 0.0827 | 72.2073 | 34.1593 | 0.7864 | 74.1736 |
| 9/10/2025 | 2:00:00 PM | 33.3576 | 40.3499 | 6.9923 | 45.6777 | 33.4425 | 0.0849 | 72.2051 | 34.1561 | 0.7985 | 74.1615 |
| 9/10/2025 | 3:00:00 PM | 33.3384 | 40.3308 | 6.9924 | 45.6776 | 33.4256 | 0.0872 | 72.2028 | 34.1528 | 0.8144 | 74.1456 |
| 9/10/2025 | 4:00:00 PM | 33.3252 | 40.3204 | 6.9952 | 45.6748 | 33.4103 | 0.0851 | 72.2049 | 34.1522 | 0.827 | 74.133 |
| 9/10/2025 | 5:00:00 PM | 33.3185 | 40.317 | 6.9985 | 45.6715 | 33.4022 | 0.0837 | 72.2063 | 34.1514 | 0.8329 | 74.1271 |
| 9/10/2025 | 6:00:00 PM | 33.3192 | 40.3191 | 6.9999 | 45.6701 | 33.3972 | 0.078 | 72.212 | 34.1514 | 0.8322 | 74.1278 |
| 9/10/2025 | 7:00:00 PM | 33.3212 | 40.3244 | 7.0032 | 45.6668 | 33.3995 | 0.0783 | 72.2117 | 34.1535 | 0.8323 | 74.1277 |
| 9/10/2025 | 8:00:00 PM | 33.3414 | 40.341 | 6.9996 | 45.6704 | 33.4115 | 0.0701 | 72.2199 | 34.1546 | 0.8132 | 74.1468 |
| 9/10/2025 | 9:00:00 PM | 33.3606 | 40.358 | 6.9974 | 45.6726 | 33.4299 | 0.0693 | 72.2207 | 34.1574 | 0.7968 | 74.1632 |
| 9/10/2025 | 10:00:00 PM | 33.3692 | 40.3617 | 6.9925 | 45.6775 | 33.4408 | 0.0716 | 72.2184 | 34.1572 | 0.788 | 74.172 |
| 9/10/2025 | 11:00:00 PM | 33.3788 | 40.3681 | 6.9893 | 45.6807 | 33.4511 | 0.0723 | 72.2177 | 34.1576 | 0.7788 | 74.1812 |
| 9/11/2025 | 12:00:00 AM | 33.3829 | 40.3691 | 6.9862 | 45.6838 | 33.4566 | 0.0737 | 72.2163 | 34.1571 | 0.7742 | 74.1858 |
| 9/11/2025 | 1:00:00 AM | 33.3841 | 40.3681 | 6.984 | 45.686 | 33.4601 | 0.076 | 72.214 | 34.1568 | 0.7727 | 74.1873 |
| 9/11/2025 | 2:00:00 AM | 33.3908 | 40.372 | 6.9812 | 45.6888 | 33.4647 | 0.0739 | 72.2161 | 34.1565 | 0.7657 | 74.1943 |
| 9/11/2025 | 3:00:00 AM | 33.3997 | 40.376 | 6.9763 | 45.6937 | 33.4715 | 0.0718 | 72.2182 | 34.1573 | 0.7576 | 74.2024 |
| 9/11/2025 | 4:00:00 AM | 33.3978 | 40.3727 | 6.9749 | 45.6951 | 33.4728 | 0.075 | 72.215 | 34.1547 | 0.7569 | 74.2031 |
| 9/11/2025 | 5:00:00 AM | 33.3969 | 40.3719 | 6.975 | 45.695 | 33.4728 | 0.0759 | 72.2141 | 34.1557 | 0.7588 | 74.2012 |
| 9/11/2025 | 6:00:00 AM | 33.4091 | 40.3792 | 6.9701 | 45.6999 | 33.4827 | 0.0736 | 72.2164 | 34.1573 | 0.7482 | 74.2118 |
| 9/11/2025 | 7:00:00 AM | 33.4273 | 40.3932 | 6.9659 | 45.7041 | 33.5003 | 0.073 | 72.217 | 34.1593 | 0.732 | 74.228 |
| 9/11/2025 | 8:00:00 AM | 33.4537 | 40.413 | 6.9593 | 45.7107 | 33.5236 | 0.0699 | 72.2201 | 34.1637 | 0.71 | 74.25 |
| 9/11/2025 | 9:00:00 AM | 33.4724 | 40.4238 | 6.9514 | 45.7186 | 33.5406 | 0.0682 | 72.2218 | 34.1649 | 0.6925 | 74.2675 |
| 9/11/2025 | 10:00:00 AM | 33.4716 | 40.4167 | 6.9451 | 45.7249 | 33.5424 | 0.0708 | 72.2192 | 34.1616 | 0.69 | 74.27 |
| 9/11/2025 | 11:00:00 AM | 33.4706 | 40.4118 | 6.9412 | 45.7288 | 33.543 | 0.0724 | 72.2176 | 34.1615 | 0.6909 | 74.2691 |
| 9/11/2025 | 12:00:00 PM | 33.4693 | 40.4065 | 6.9372 | 45.7328 | 33.5388 | 0.0695 | 72.2205 | 34.1605 | 0.6912 | 74.2688 |
| 9/11/2025 | 1:00:00 PM | 33.4531 | 40.3899 | 6.9368 | 45.7332 | 33.5256 | 0.0725 | 72.2175 | 34.1566 | 0.7035 | 74.2565 |
| 9/11/2025 | 2:00:00 PM | 33.4379 | 40.3749 | 6.937 | 45.733 | 33.5771 | 0.1392 | 72.1508 | 34.1542 | 0.7163 | 74.2437 |
| 9/11/2025 | 3:00:00 PM | 33.4361 | 40.3733 | 6.9372 | 45.7328 | 33.575 | 0.1389 | 72.1511 | 34.1548 | 0.7187 | 74.2413 |
| 9/11/2025 | 4:00:00 PM | 33.4462 | 40.3802 | 6.934 | 45.736 | 33.5868 | 0.1406 | 72.1494 | 34.1558 | 0.7096 | 74.2504 |
| 9/11/2025 | 5:00:00 PM | 33.4651 | 40.3936 | 6.9285 | 45.7415 | 33.6024 | 0.1373 | 72.1527 | 34.1581 | 0.693 | 74.267 |
| 9/11/2025 | 6:00:00 PM | 33.4766 | 40.4004 | 6.9238 | 45.7462 | 33.611 | 0.1344 | 72.1556 | 34.1587 | 0.6821 | 74.2779 |
| 9/11/2025 | 7:00:00 PM | 33.4851 | 40.4048 | 6.9197 | 45.7503 | 33.6207 | 0.1356 | 72.1544 | 34.1588 | 0.6737 | 74.2863 |
| 9/11/2025 | 8:00:00 PM | 33.4937 | 40.4072 | 6.9135 | 45.7565 | 33.6253 | 0.1316 | 72.1584 | 34.1599 | 0.6662 | 74.2938 |
| 9/11/2025 | 9:00:00 PM | 33.4936 | 40.4063 | 6.9127 | 45.7573 | 33.6246 | 0.131 | 72.159 | 34.1595 | 0.6659 | 74.2941 |
| 9/11/2025 | 10:00:00 PM | 33.4908 | 40.4022 | 6.9114 | 45.7586 | 33.6243 | 0.1335 | 72.1565 | 34.1571 | 0.6663 | 74.2937 |
| 9/11/2025 | 11:00:00 PM | 33.4952 | 40.4043 | 6.9091 | 45.7609 | 33.6338 | 0.1386 | 72.1514 | 34.1583 | 0.6631 | 74.2969 |
| 9/12/2025 | 12:00:00 AM | 33.5092 | 40.4131 | 6.9039 | 45.7661 | 33.649 | 0.1398 | 72.1502 | 34.1594 | 0.6502 | 74.3098 |
| 9/12/2025 | 1:00:00 AM | 33.5327 | 40.428 | 6.8953 | 45.7747 | 33.671 | 0.1383 | 72.1517 | 34.162 | 0.6293 | 74.3307 |
| 9/12/2025 | 2:00:00 AM | 33.5424 | 40.4318 | 6.8894 | 45.7806 | 33.6822 | 0.1398 | 72.1502 | 34.1614 | 0.619 | 74.341 |
| 9/12/2025 | 3:00:00 AM | 33.538 | 40.423 | 6.885 | 45.785 | 33.6715 | 0.1335 | 72.1565 | 34.1588 | 0.6208 | 74.3392 |
| 9/12/2025 | 4:00:00 AM | 33.523 | 40.4087 | 6.8857 | 45.7843 | 33.6559 | 0.1329 | 72.1571 | 34.1558 | 0.6328 | 74.3272 |
| 9/12/2025 | 5:00:00 AM | 33.5174 | 40.4039 | 6.8865 | 45.7835 | 33.6574 | 0.14 | 72.15 | 34.1553 | 0.6379 | 74.3221 |
| 9/12/2025 | 6:00:00 AM | 33.5191 | 40.4022 | 6.8831 | 45.7869 | 33.656 | 0.1369 | 72.1531 | 34.1562 | 0.6371 | 74.3229 |
| 9/12/2025 | 7:00:00 AM | 33.5266 | 40.4077 | 6.8811 | 45.7889 | 33.6705 | 0.1439 | 72.1461 | 34.1575 | 0.6309 | 74.3291 |
| 9/12/2025 | 8:00:00 AM | 33.5303 | 40.4094 | 6.8791 | 45.7909 | 33.6698 | 0.1395 | 72.1505 | 34.1588 | 0.6285 | 74.3315 |
| 9/12/2025 | 9:00:00 AM | 33.5393 | 40.415 | 6.8757 | 45.7943 | 33.678 | 0.1387 | 72.1513 | 34.1597 | 0.6204 | 74.3396 |
| 9/12/2025 | 10:00:00 AM | 33.5334 | 40.406 | 6.8726 | 45.7974 | 33.6713 | 0.1379 | 72.1521 | 34.1579 | 0.6245 | 74.3355 |
| 9/12/2025 | 11:00:00 AM | 33.5265 | 40.3993 | 6.8728 | 45.7972 | 33.6621 | 0.1356 | 72.1544 | 34.157 | 0.6305 | 74.3295 |
| 9/12/2025 | 12:00:00 PM | 33.516 | 40.3895 | 6.8735 | 45.7965 | 33.6516 | 0.1356 | 72.1544 | 34.1554 | 0.6394 | 74.3206 |
| 9/12/2025 | 1:00:00 PM | 33.5036 | 40.3803 | 6.8767 | 45.7933 | 33.6404 | 0.1368 | 72.1532 | 34.1548 | 0.6512 | 74.3088 |
| 9/12/2025 | 2:00:00 PM | 33.4916 | 40.3692 | 6.8776 | 45.7924 | 33.6271 | 0.1355 | 72.1545 | 34.153 | 0.6614 | 74.2986 |
| 9/12/2025 | 3:00:00 PM | 33.4732 | 40.3545 | 6.8813 | 45.7887 | 33.6059 | 0.1327 | 72.1573 | 34.1493 | 0.6761 | 74.2839 |
| 9/12/2025 | 4:00:00 PM | 33.4594 | 40.3445 | 6.8851 | 45.7849 | 33.5909 | 0.1315 | 72.1585 | 34.1483 | 0.6889 | 74.2711 |
| 9/12/2025 | 5:00:00 PM | 33.4468 | 40.336 | 6.8892 | 45.7808 | 33.5805 | 0.1337 | 72.1563 | 34.1477 | 0.7009 | 74.2591 |
| 9/12/2025 | 6:00:00 PM | 33.4364 | 40.3299 | 6.8935 | 45.7765 | 33.571 | 0.1346 | 72.1554 | 34.1468 | 0.7104 | 74.2496 |
| 9/12/2025 | 7:00:00 PM | 33.4364 | 40.3337 | 6.8973 | 45.7727 | 33.5707 | 0.1343 | 72.1557 | 34.1484 | 0.712 | 74.248 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/12/2025 | 8:00:00 PM | 33.4384 | 40.3369 | 6.8985 | 45.7715 | 33.5705 | 0.1321 | 72.1579 | 34.149 | 0.7106 | 74.2494 |
| 9/12/2025 | 9:00:00 PM | 33.4359 | 40.3369 | 6.901 | 45.769 | 33.567 | 0.1311 | 72.1589 | 34.1492 | 0.7133 | 74.2467 |
| 9/12/2025 | 10:00:00 PM | 33.4286 | 40.3323 | 6.9037 | 45.7663 | 33.5599 | 0.1313 | 72.1587 | 34.1481 | 0.7195 | 74.2405 |
| 9/12/2025 | 11:00:00 PM | 33.4155 | 40.3248 | 6.9093 | 45.7607 | 33.5498 | 0.1343 | 72.1557 | 34.1466 | 0.7311 | 74.2289 |
| 9/13/2025 | 12:00:00 AM | 33.4004 | 40.3142 | 6.9138 | 45.7562 | 33.5327 | 0.1323 | 72.1577 | 34.1449 | 0.7445 | 74.2155 |
| 9/13/2025 | 1:00:00 AM | 33.3823 | 40.303 | 6.9207 | 45.7493 | 33.5193 | 0.137 | 72.153 | 34.1436 | 0.7613 | 74.1987 |
| 9/13/2025 | 2:00:00 AM | 33.3744 | 40.3011 | 6.9267 | 45.7433 | 33.5094 | 0.135 | 72.155 | 34.1438 | 0.7694 | 74.1906 |
| 9/13/2025 | 3:00:00 AM | 33.3709 | 40.3013 | 6.9304 | 45.7396 | 33.5048 | 0.1339 | 72.1561 | 34.1443 | 0.7734 | 74.1866 |
| 9/13/2025 | 4:00:00 AM | 33.3601 | 40.2967 | 6.9366 | 45.7334 | 33.4932 | 0.1331 | 72.1569 | 34.1438 | 0.7837 | 74.1763 |
| 9/13/2025 | 5:00:00 AM | 33.3497 | 40.2926 | 6.9429 | 45.7271 | 33.4888 | 0.1391 | 72.1509 | 34.1429 | 0.7932 | 74.1668 |
| 9/13/2025 | 6:00:00 AM | 33.343 | 40.2919 | 6.9489 | 45.7211 | 33.4793 | 0.1363 | 72.1537 | 34.1444 | 0.8014 | 74.1586 |
| 9/13/2025 | 7:00:00 AM | 33.3398 | 40.2922 | 6.9524 | 45.7176 | 33.4752 | 0.1354 | 72.1546 | 34.1449 | 0.8051 | 74.1549 |
| 9/13/2025 | 8:00:00 AM | 33.3377 | 40.2965 | 6.9588 | 45.7112 | 33.4725 | 0.1348 | 72.1552 | 34.1454 | 0.8077 | 74.1523 |
| 9/13/2025 | 9:00:00 AM | 33.3356 | 40.2973 | 6.9617 | 45.7083 | 33.471 | 0.1354 | 72.1546 | 34.1471 | 0.8115 | 74.1485 |
| 9/13/2025 | 10:00:00 AM | 33.3321 | 40.295 | 6.9629 | 45.7071 | 33.4675 | 0.1354 | 72.1546 | 34.1471 | 0.815 | 74.145 |
| 9/13/2025 | 11:00:00 AM | 33.3256 | 40.2953 | 6.9697 | 45.7003 | 33.4644 | 0.1388 | 72.1512 | 34.147 | 0.8214 | 74.1386 |
| 9/13/2025 | 12:00:00 PM | 33.32 | 40.2918 | 6.9718 | 45.6982 | 33.4538 | 0.1338 | 72.1562 | 34.1458 | 0.8258 | 74.1342 |
| 9/13/2025 | 1:00:00 PM | 33.3024 | 40.2809 | 6.9785 | 45.6915 | 33.4357 | 0.1333 | 72.1567 | 34.1426 | 0.8402 | 74.1198 |
| 9/13/2025 | 2:00:00 PM | 33.2825 | 40.2669 | 6.9844 | 45.6856 | 33.4114 | 0.1289 | 72.1611 | 34.1408 | 0.8583 | 74.1017 |
| 9/13/2025 | 3:00:00 PM | 33.2616 | 40.2542 | 6.9926 | 45.6774 | 33.3949 | 0.1333 | 72.1567 | 34.1386 | 0.877 | 74.083 |
| 9/13/2025 | 4:00:00 PM | 33.2549 | 40.2496 | 6.9947 | 45.6753 | 33.3817 | 0.1268 | 72.1632 | 34.1378 | 0.8829 | 74.0771 |
| 9/13/2025 | 5:00:00 PM | 33.2471 | 40.2519 | 7.0048 | 45.6652 | 33.3776 | 0.1305 | 72.1595 | 34.1372 | 0.8901 | 74.0699 |
| 9/13/2025 | 6:00:00 PM | 33.246 | 40.2549 | 7.0089 | 45.6611 | 33.3766 | 0.1306 | 72.1594 | 34.1382 | 0.8922 | 74.0678 |
| 9/13/2025 | 7:00:00 PM | 33.2412 | 40.2541 | 7.0129 | 45.6571 | 33.3743 | 0.1331 | 72.1569 | 34.1383 | 0.8971 | 74.0629 |
| 9/13/2025 | 8:00:00 PM | 33.2464 | 40.2635 | 7.0171 | 45.6529 | 33.3763 | 0.1299 | 72.1601 | 34.1396 | 0.8932 | 74.0668 |
| 9/13/2025 | 9:00:00 PM | 33.2424 | 40.2639 | 7.0215 | 45.6485 | 33.3751 | 0.1327 | 72.1573 | 34.138 | 0.8956 | 74.0644 |
| 9/13/2025 | 10:00:00 PM | 33.2365 | 40.2591 | 7.0226 | 45.6474 | 33.3679 | 0.1314 | 72.1586 | 34.1378 | 0.9013 | 74.0587 |
| 9/13/2025 | 11:00:00 PM | 33.2316 | 40.2588 | 7.0272 | 45.6428 | 33.3616 | 0.13 | 72.16 | 34.1363 | 0.9047 | 74.0553 |
| 9/14/2025 | 12:00:00 AM | 33.2257 | 40.255 | 7.0293 | 45.6407 | 33.3544 | 0.1287 | 72.1613 | 34.1351 | 0.9094 | 74.0506 |
| 9/14/2025 | 1:00:00 AM | 33.2212 | 40.2542 | 7.033 | 45.637 | 33.3535 | 0.1323 | 72.1577 | 34.1346 | 0.9134 | 74.0466 |
| 9/14/2025 | 2:00:00 AM | 33.2245 | 40.2583 | 7.0338 | 45.6362 | 33.3562 | 0.1317 | 72.1583 | 34.1353 | 0.9108 | 74.0492 |
| 9/14/2025 | 3:00:00 AM | 33.2255 | 40.2615 | 7.036 | 45.634 | 33.3572 | 0.1317 | 72.1583 | 34.1358 | 0.9103 | 74.0497 |
| 9/14/2025 | 4:00:00 AM | 33.2178 | 40.2566 | 7.0388 | 45.6312 | 33.3505 | 0.1327 | 72.1573 | 34.134 | 0.9162 | 74.0438 |
| 9/14/2025 | 5:00:00 AM | 33.2111 | 40.2525 | 7.0414 | 45.6286 | 33.3475 | 0.1364 | 72.1536 | 34.1332 | 0.9221 | 74.0379 |
| 9/14/2025 | 6:00:00 AM | 33.2181 | 40.2591 | 7.041 | 45.629 | 33.3547 | 0.1366 | 72.1534 | 34.1343 | 0.9162 | 74.0438 |
| 9/14/2025 | 7:00:00 AM | 33.2308 | 40.2704 | 7.0396 | 45.6304 | 33.3713 | 0.1405 | 72.1495 | 34.1347 | 0.9039 | 74.0561 |
| 9/14/2025 | 8:00:00 AM | 33.2592 | 40.2943 | 7.0351 | 45.6349 | 33.3946 | 0.1354 | 72.1546 | 34.1394 | 0.8802 | 74.0798 |
| 9/14/2025 | 9:00:00 AM | 33.2651 | 40.2949 | 7.0298 | 45.6402 | 33.4014 | 0.1363 | 72.1537 | 34.1386 | 0.8735 | 74.0865 |
| 9/14/2025 | 10:00:00 AM | 33.2817 | 40.307 | 7.0253 | 45.6447 | 33.4168 | 0.1351 | 72.1549 | 34.1405 | 0.8588 | 74.1012 |
| 9/14/2025 | 11:00:00 AM | 33.2903 | 40.3147 | 7.0244 | 45.6456 | 33.4278 | 0.1375 | 72.1525 | 34.1423 | 0.852 | 74.108 |
| 9/14/2025 | 12:00:00 PM | 33.3097 | 40.3312 | 7.0215 | 45.6485 | 33.4506 | 0.1409 | 72.1491 | 34.1449 | 0.8352 | 74.1248 |
| 9/14/2025 | 1:00:00 PM | 33.3484 | 40.3607 | 7.0123 | 45.6577 | 33.4899 | 0.1415 | 72.1485 | 34.1496 | 0.8012 | 74.1588 |
| 9/14/2025 | 2:00:00 PM | 33.3739 | 40.3777 | 7.0038 | 45.6662 | 33.5132 | 0.1393 | 72.1507 | 34.1525 | 0.7786 | 74.1814 |
| 9/14/2025 | 3:00:00 PM | 33.3973 | 40.39 | 6.9927 | 45.6773 | 33.5384 | 0.1411 | 72.1489 | 34.1539 | 0.7566 | 74.2034 |
| 9/14/2025 | 4:00:00 PM | 33.4209 | 40.4044 | 6.9835 | 45.6865 | 33.5636 | 0.1427 | 72.1473 | 34.1551 | 0.7342 | 74.2258 |
| 9/14/2025 | 5:00:00 PM | 33.4489 | 40.4221 | 6.9732 | 45.6968 | 33.5918 | 0.1429 | 72.1471 | 34.1576 | 0.7087 | 74.2513 |
| 9/14/2025 | 6:00:00 PM | 33.4782 | 40.4383 | 6.9601 | 45.7099 | 33.6236 | 0.1454 | 72.1446 | 34.1596 | 0.6814 | 74.2786 |
| 9/14/2025 | 7:00:00 PM | 33.5025 | 40.4482 | 6.9457 | 45.7243 | 33.6412 | 0.1387 | 72.1513 | 34.16 | 0.6575 | 74.3025 |
| 9/14/2025 | 8:00:00 PM | 33.5212 | 40.4569 | 6.9357 | 45.7343 | 33.6645 | 0.1433 | 72.1467 | 34.1596 | 0.6384 | 74.3216 |
| 9/14/2025 | 9:00:00 PM | 33.5453 | 40.4669 | 6.9216 | 45.7484 | 33.6874 | 0.1421 | 72.1479 | 34.1615 | 0.6162 | 74.3438 |
| 9/14/2025 | 10:00:00 PM | 33.5555 | 40.4654 | 6.9099 | 45.7601 | 33.6948 | 0.1393 | 72.1507 | 34.1603 | 0.6048 | 74.3552 |
| 9/14/2025 | 11:00:00 PM | 33.571 | 40.4721 | 6.9011 | 45.7689 | 33.7138 | 0.1428 | 72.1472 | 34.1612 | 0.5902 | 74.3698 |
| 9/15/2025 | 12:00:00 AM | 33.5797 | 40.4691 | 6.8894 | 45.7806 | 33.7203 | 0.1406 | 72.1494 | 34.1601 | 0.5804 | 74.3796 |
| 9/15/2025 | 1:00:00 AM | 33.5908 | 40.4717 | 6.8809 | 45.7891 | 33.7372 | 0.1464 | 72.1436 | 34.1597 | 0.5689 | 74.3911 |
| 9/15/2025 | 2:00:00 AM | 33.6045 | 40.4766 | 6.8721 | 45.7979 | 33.7476 | 0.1431 | 72.1469 | 34.1614 | 0.5569 | 74.4031 |
| 9/15/2025 | 3:00:00 AM | 33.6105 | 40.4726 | 6.8621 | 45.8079 | 33.7522 | 0.1417 | 72.1483 | 34.1604 | 0.5499 | 74.4101 |
| 9/15/2025 | 4:00:00 AM | 33.6194 | 40.4761 | 6.8567 | 45.8133 | 33.7624 | 0.143 | 72.147 | 34.1604 | 0.541 | 74.419 |
| 9/15/2025 | 5:00:00 AM | 33.6344 | 40.4798 | 6.8454 | 45.8246 | 33.7743 | 0.1399 | 72.1501 | 34.1629 | 0.5285 | 74.4315 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/15/2025 | 6:00:00 AM | 33.6168 | 40.4603 | 6.8435 | 45.8265 | 33.7597 | 0.1429 | 72.1471 | 34.1581 | 0.5413 | 74.4187 |
| 9/15/2025 | 7:00:00 AM | 33.6324 | 40.4691 | 6.8367 | 45.8333 | 33.7813 | 0.1489 | 72.1411 | 34.1604 | 0.528 | 74.432 |
| 9/15/2025 | 8:00:00 AM | 33.6528 | 40.4818 | 6.829 | 45.841 | 33.798 | 0.1452 | 72.1448 | 34.1634 | 0.5106 | 74.4494 |
| 9/15/2025 | 9:00:00 AM | 33.6669 | 40.4883 | 6.8214 | 45.8486 | 33.8135 | 0.1466 | 72.1434 | 34.1652 | 0.4983 | 74.4617 |
| 9/15/2025 | 10:00:00 AM | 33.6732 | 40.4872 | 6.814 | 45.856 | 33.8136 | 0.1404 | 72.1496 | 34.164 | 0.4908 | 74.4692 |
| 9/15/2025 | 11:00:00 AM | 33.666 | 40.4751 | 6.8091 | 45.8609 | 33.8033 | 0.1373 | 72.1527 | 34.1627 | 0.4967 | 74.4633 |
| 9/15/2025 | 12:00:00 PM | 33.6486 | 40.4593 | 6.8107 | 45.8593 | 33.7908 | 0.1422 | 72.1478 | 34.1602 | 0.5116 | 74.4484 |
| 9/15/2025 | 1:00:00 PM | 33.6409 | 40.4503 | 6.8094 | 45.8606 | 33.7822 | 0.1413 | 72.1487 | 34.1599 | 0.519 | 74.441 |
| 9/15/2025 | 2:00:00 PM | 33.6247 | 40.4338 | 6.8091 | 45.8609 | 33.7636 | 0.1389 | 72.1511 | 34.1574 | 0.5327 | 74.4273 |
| 9/15/2025 | 3:00:00 PM | 33.6032 | 40.414 | 6.8108 | 45.8592 | 33.7388 | 0.1356 | 72.1544 | 34.1555 | 0.5523 | 74.4077 |
| 9/15/2025 | 4:00:00 PM | 33.5955 | 40.41 | 6.8145 | 45.8555 | 33.7317 | 0.1362 | 72.1538 | 34.1552 | 0.5597 | 74.4003 |
| 9/15/2025 | 5:00:00 PM | 33.5821 | 40.4006 | 6.8185 | 45.8515 | 33.7205 | 0.1384 | 72.1516 | 34.1533 | 0.5712 | 74.3888 |
| 9/15/2025 | 6:00:00 PM | 33.5806 | 40.4017 | 6.8211 | 45.8489 | 33.7207 | 0.1401 | 72.1499 | 34.1536 | 0.573 | 74.387 |
| 9/15/2025 | 7:00:00 PM | 33.5846 | 40.4054 | 6.8208 | 45.8492 | 33.722 | 0.1374 | 72.1526 | 34.1548 | 0.5702 | 74.3898 |
| 9/15/2025 | 8:00:00 PM | 33.5793 | 40.4012 | 6.8219 | 45.8481 | 33.7165 | 0.1372 | 72.1528 | 34.1554 | 0.5761 | 74.3839 |
| 9/15/2025 | 9:00:00 PM | 33.5788 | 40.4019 | 6.8231 | 45.8469 | 33.7138 | 0.135 | 72.155 | 34.1547 | 0.5759 | 74.3841 |
| 9/15/2025 | 10:00:00 PM | 33.5737 | 40.4014 | 6.8277 | 45.8423 | 33.712 | 0.1383 | 72.1517 | 34.1546 | 0.5809 | 74.3791 |
| 9/15/2025 | 11:00:00 PM | 33.5765 | 40.4043 | 6.8278 | 45.8422 | 33.7148 | 0.1383 | 72.1517 | 34.1542 | 0.5777 | 74.3823 |
| 9/16/2025 | 12:00:00 AM | 33.5728 | 40.4023 | 6.8295 | 45.8405 | 33.7125 | 0.1397 | 72.1503 | 34.1541 | 0.5813 | 74.3787 |
| 9/16/2025 | 1:00:00 AM | 33.565 | 40.3963 | 6.8313 | 45.8387 | 33.7047 | 0.1397 | 72.1503 | 34.1544 | 0.5894 | 74.3706 |
| 9/16/2025 | 2:00:00 AM | 33.5549 | 40.3892 | 6.8343 | 45.8357 | 33.6937 | 0.1388 | 72.1512 | 34.1524 | 0.5975 | 74.3625 |
| 9/16/2025 | 3:00:00 AM | 33.5495 | 40.3862 | 6.8367 | 45.8333 | 33.6859 | 0.1364 | 72.1536 | 34.1516 | 0.6021 | 74.3579 |
| 9/16/2025 | 4:00:00 AM | 33.5303 | 40.3711 | 6.8408 | 45.8292 | 33.6696 | 0.1393 | 72.1507 | 34.1496 | 0.6193 | 74.3407 |
| 9/16/2025 | 5:00:00 AM | 33.5114 | 40.3582 | 6.8468 | 45.8232 | 33.6516 | 0.1402 | 72.1498 | 34.1481 | 0.6367 | 74.3233 |
| 9/16/2025 | 6:00:00 AM | 33.4921 | 40.3454 | 6.8533 | 45.8167 | 33.6339 | 0.1418 | 72.1482 | 34.146 | 0.6539 | 74.3061 |
| 9/16/2025 | 7:00:00 AM | 33.4854 | 40.3449 | 6.8595 | 45.8105 | 33.6291 | 0.1437 | 72.1463 | 34.1478 | 0.6624 | 74.2976 |
| 9/16/2025 | 8:00:00 AM | 33.4734 | 40.3362 | 6.8628 | 45.8072 | 33.6143 | 0.1409 | 72.1491 | 34.1452 | 0.6718 | 74.2882 |
| 9/16/2025 | 9:00:00 AM | 33.4679 | 40.334 | 6.8661 | 45.8039 | 33.6105 | 0.1426 | 72.1474 | 34.1474 | 0.6795 | 74.2805 |
| 9/16/2025 | 10:00:00 AM | 33.4682 | 40.3373 | 6.8691 | 45.8009 | 33.6056 | 0.1374 | 72.1526 | 34.1488 | 0.6806 | 74.2794 |
| 9/16/2025 | 11:00:00 AM | 33.4496 | 40.3249 | 6.8753 | 45.7947 | 33.5913 | 0.1417 | 72.1483 | 34.1462 | 0.6966 | 74.2634 |
| 9/16/2025 | 12:00:00 PM | 33.4386 | 40.3209 | 6.8823 | 45.7877 | 33.5791 | 0.1405 | 72.1495 | 34.1466 | 0.708 | 74.252 |
| 9/16/2025 | 1:00:00 PM | 33.425 | 40.3122 | 6.8872 | 45.7828 | 33.5597 | 0.1347 | 72.1553 | 34.1448 | 0.7198 | 74.2402 |
| 9/16/2025 | 2:00:00 PM | 33.4094 | 40.3008 | 6.8914 | 45.7786 | 33.5412 | 0.1318 | 72.1582 | 34.1455 | 0.7361 | 74.2239 |
| 9/16/2025 | 3:00:00 PM | 33.3933 | 40.2937 | 6.9004 | 45.7696 | 33.5275 | 0.1342 | 72.1558 | 34.1442 | 0.7509 | 74.2091 |
| 9/16/2025 | 4:00:00 PM | 33.38 | 40.2859 | 6.9059 | 45.7641 | 33.5127 | 0.1327 | 72.1573 | 34.1436 | 0.7636 | 74.1964 |
| 9/16/2025 | 5:00:00 PM | 33.371 | 40.2838 | 6.9128 | 45.7572 | 33.5001 | 0.1291 | 72.1609 | 34.1441 | 0.7731 | 74.1869 |
| 9/16/2025 | 6:00:00 PM | 33.3623 | 40.2826 | 6.9203 | 45.7497 | 33.495 | 0.1327 | 72.1573 | 34.1441 | 0.7818 | 74.1782 |
| 9/16/2025 | 7:00:00 PM | 33.3596 | 40.2866 | 6.927 | 45.743 | 33.4886 | 0.129 | 72.161 | 34.1446 | 0.785 | 74.175 |
| 9/16/2025 | 8:00:00 PM | 33.3686 | 40.2987 | 6.9301 | 45.7399 | 33.501 | 0.1324 | 72.1576 | 34.147 | 0.7784 | 74.1816 |
| 9/16/2025 | 9:00:00 PM | 33.384 | 40.3143 | 6.9303 | 45.7397 | 33.5183 | 0.1343 | 72.1557 | 34.15 | 0.766 | 74.194 |
| 9/16/2025 | 10:00:00 PM | 33.4 | 40.3296 | 6.9296 | 45.7404 | 33.531 | 0.131 | 72.159 | 34.1518 | 0.7518 | 74.2082 |
| 9/16/2025 | 11:00:00 PM | 33.4063 | 40.3334 | 6.9271 | 45.7429 | 33.5366 | 0.1303 | 72.1597 | 34.151 | 0.7447 | 74.2153 |
| 9/17/2025 | 12:00:00 AM | 33.4129 | 40.3418 | 6.9289 | 45.7411 | 33.5455 | 0.1326 | 72.1574 | 34.152 | 0.7391 | 74.2209 |
| 9/17/2025 | 1:00:00 AM | 33.4224 | 40.3509 | 6.9285 | 45.7415 | 33.5556 | 0.1332 | 72.1568 | 34.1544 | 0.732 | 74.228 |
| 9/17/2025 | 2:00:00 AM | 33.443 | 40.3677 | 6.9247 | 45.7453 | 33.5765 | 0.1335 | 72.1565 | 34.156 | 0.713 | 74.247 |
| 9/17/2025 | 3:00:00 AM | 33.4511 | 40.3741 | 6.923 | 45.747 | 33.5832 | 0.1321 | 72.1579 | 34.1574 | 0.7063 | 74.2537 |
| 9/17/2025 | 4:00:00 AM | 33.4543 | 40.3738 | 6.9195 | 45.7505 | 33.5915 | 0.1372 | 72.1528 | 34.1564 | 0.7021 | 74.2579 |
| 9/17/2025 | 5:00:00 AM | 33.4725 | 40.3864 | 6.9139 | 45.7561 | 33.607 | 0.1345 | 72.1555 | 34.1582 | 0.6857 | 74.2743 |
| 9/17/2025 | 6:00:00 AM | 33.4859 | 40.3949 | 6.909 | 45.761 | 33.6229 | 0.137 | 72.153 | 34.1587 | 0.6728 | 74.2872 |
| 9/17/2025 | 7:00:00 AM | 33.5029 | 40.4056 | 6.9027 | 45.7673 | 33.6419 | 0.139 | 72.151 | 34.1605 | 0.6576 | 74.3024 |
| 9/17/2025 | 8:00:00 AM | 33.5232 | 40.418 | 6.8948 | 45.7752 | 33.6581 | 0.1349 | 72.1551 | 34.1626 | 0.6394 | 74.3206 |
| 9/17/2025 | 9:00:00 AM | 33.5385 | 40.4266 | 6.8881 | 45.7819 | 33.6781 | 0.1396 | 72.1504 | 34.1657 | 0.6272 | 74.3328 |
| 9/17/2025 | 10:00:00 AM | 33.5482 | 40.4294 | 6.8812 | 45.7888 | 33.683 | 0.1348 | 72.1552 | 34.1644 | 0.6162 | 74.3438 |
| 9/17/2025 | 11:00:00 AM | 33.5465 | 40.422 | 6.8755 | 45.7945 | 33.6822 | 0.1357 | 72.1543 | 34.1636 | 0.6171 | 74.3429 |
| 9/17/2025 | 12:00:00 PM | 33.5507 | 40.4225 | 6.8718 | 45.7982 | 33.6878 | 0.1371 | 72.1529 | 34.1634 | 0.6127 | 74.3473 |
| 9/17/2025 | 1:00:00 PM | 33.5603 | 40.4266 | 6.8663 | 45.8037 | 33.6953 | 0.135 | 72.155 | 34.1654 | 0.6051 | 74.3549 |
| 9/17/2025 | 2:00:00 PM | 33.5512 | 40.413 | 6.8618 | 45.8082 | 33.6887 | 0.1375 | 72.1525 | 34.1627 | 0.6115 | 74.3485 |
| 9/17/2025 | 3:00:00 PM | 33.5542 | 40.4131 | 6.8589 | 45.8111 | 33.6878 | 0.1336 | 72.1564 | 34.1645 | 0.6103 | 74.3497 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/17/2025 | 4:00:00 PM | 33.5539 | 40.4093 | 6.8554 | 45.8146 | 33.6835 | 0.1296 | 72.1604 | 34.1645 | 0.6106 | 74.3494 |
| 9/17/2025 | 5:00:00 PM | 33.5511 | 40.4081 | 6.857 | 45.813 | 33.6861 | 0.135 | 72.155 | 34.1642 | 0.6131 | 74.3469 |
| 9/17/2025 | 6:00:00 PM | 33.5496 | 40.4048 | 6.8552 | 45.8148 | 33.6805 | 0.1309 | 72.1591 | 34.1649 | 0.6153 | 74.3447 |
| 9/17/2025 | 7:00:00 PM | 33.5503 | 40.4049 | 6.8546 | 45.8154 | 33.6816 | 0.1313 | 72.1587 | 34.165 | 0.6147 | 74.3453 |
| 9/17/2025 | 8:00:00 PM | 33.5592 | 40.4117 | 6.8525 | 45.8175 | 33.6887 | 0.1295 | 72.1605 | 34.167 | 0.6078 | 74.3522 |
| 9/17/2025 | 9:00:00 PM | 33.5655 | 40.4148 | 6.8493 | 45.8207 | 33.6999 | 0.1344 | 72.1556 | 34.1674 | 0.6019 | 74.3581 |
| 9/17/2025 | 10:00:00 PM | 33.5725 | 40.4214 | 6.8489 | 45.8211 | 33.7044 | 0.1319 | 72.1581 | 34.1674 | 0.5949 | 74.3651 |
| 9/17/2025 | 11:00:00 PM | 33.57 | 40.4156 | 6.8456 | 45.8244 | 33.7032 | 0.1332 | 72.1568 | 34.1678 | 0.5978 | 74.3622 |
| 9/18/2025 | 12:00:00 AM | 33.5587 | 40.4052 | 6.8465 | 45.8235 | 33.6929 | 0.1342 | 72.1558 | 34.165 | 0.6063 | 74.3537 |
| 9/18/2025 | 1:00:00 AM | 33.5528 | 40.4025 | 6.8497 | 45.8203 | 33.6884 | 0.1356 | 72.1544 | 34.1652 | 0.6124 | 74.3476 |
| 9/18/2025 | 2:00:00 AM | 33.5509 | 40.4025 | 6.8516 | 45.8184 | 33.686 | 0.1351 | 72.1549 | 34.1654 | 0.6145 | 74.3455 |
| 9/18/2025 | 3:00:00 AM | 33.5396 | 40.3939 | 6.8543 | 45.8157 | 33.6754 | 0.1358 | 72.1542 | 34.1638 | 0.6242 | 74.3358 |
| 9/18/2025 | 4:00:00 AM | 33.5437 | 40.397 | 6.8533 | 45.8167 | 33.6814 | 0.1377 | 72.1523 | 34.165 | 0.6213 | 74.3387 |
| 9/18/2025 | 5:00:00 AM | 33.551 | 40.4031 | 6.8521 | 45.8179 | 33.686 | 0.135 | 72.155 | 34.1664 | 0.6154 | 74.3446 |
| 9/18/2025 | 6:00:00 AM | 33.5491 | 40.3985 | 6.8494 | 45.8206 | 33.6843 | 0.1352 | 72.1548 | 34.1668 | 0.6177 | 74.3423 |
| 9/18/2025 | 7:00:00 AM | 33.5522 | 40.403 | 6.8508 | 45.8192 | 33.6905 | 0.1383 | 72.1517 | 34.1677 | 0.6155 | 74.3445 |
| 9/18/2025 | 8:00:00 AM | 33.5586 | 40.4068 | 6.8482 | 45.8218 | 33.6963 | 0.1377 | 72.1523 | 34.1681 | 0.6095 | 74.3505 |
| 9/18/2025 | 9:00:00 AM | 33.5525 | 40.4019 | 6.8494 | 45.8206 | 33.6944 | 0.1419 | 72.1481 | 34.1666 | 0.6141 | 74.3459 |
| 9/18/2025 | 10:00:00 AM | 33.55 | 40.3966 | 6.8466 | 45.8234 | 33.6896 | 0.1396 | 72.1504 | 34.1669 | 0.6169 | 74.3431 |
| 9/18/2025 | 11:00:00 AM | 33.5388 | 40.3892 | 6.8504 | 45.8196 | 33.6805 | 0.1417 | 72.1483 | 34.1652 | 0.6264 | 74.3336 |
| 9/18/2025 | 12:00:00 PM | 33.5393 | 40.3898 | 6.8505 | 45.8195 | 33.6793 | 0.14 | 72.15 | 34.1668 | 0.6275 | 74.3325 |
| 9/18/2025 | 1:00:00 PM | 33.5284 | 40.3811 | 6.8527 | 45.8173 | 33.6671 | 0.1387 | 72.1513 | 34.1667 | 0.6383 | 74.3217 |
| 9/18/2025 | 2:00:00 PM | 33.5165 | 40.3718 | 6.8553 | 45.8147 | 33.6516 | 0.1351 | 72.1549 | 34.1664 | 0.6499 | 74.3101 |
| 9/18/2025 | 3:00:00 PM | 33.4864 | 40.3471 | 6.8607 | 45.8093 | 33.6192 | 0.1328 | 72.1572 | 34.1617 | 0.6753 | 74.2847 |
| 9/18/2025 | 4:00:00 PM | 33.4594 | 40.3306 | 6.8712 | 45.7988 | 33.5967 | 0.1373 | 72.1527 | 34.1602 | 0.7008 | 74.2592 |
| 9/18/2025 | 5:00:00 PM | 33.4601 | 40.3346 | 6.8745 | 45.7955 | 33.5949 | 0.1348 | 72.1552 | 34.1615 | 0.7014 | 74.2586 |
| 9/18/2025 | 6:00:00 PM | 33.4461 | 40.3281 | 6.882 | 45.788 | 33.581 | 0.1349 | 72.1551 | 34.1615 | 0.7154 | 74.2446 |
| 9/18/2025 | 7:00:00 PM | 33.4459 | 40.3334 | 6.8875 | 45.7825 | 33.5839 | 0.138 | 72.152 | 34.163 | 0.7171 | 74.2429 |
| 9/18/2025 | 8:00:00 PM | 33.4565 | 40.3442 | 6.8877 | 45.7823 | 33.5926 | 0.1361 | 72.1539 | 34.1654 | 0.7089 | 74.2511 |
| 9/18/2025 | 9:00:00 PM | 33.4596 | 40.3491 | 6.8895 | 45.7805 | 33.5955 | 0.1359 | 72.1541 | 34.1653 | 0.7057 | 74.2543 |
| 9/18/2025 | 10:00:00 PM | 33.4608 | 40.3528 | 6.892 | 45.778 | 33.6007 | 0.1399 | 72.1501 | 34.1662 | 0.7054 | 74.2546 |
| 9/18/2025 | 11:00:00 PM | 33.4524 | 40.347 | 6.8946 | 45.7754 | 33.5935 | 0.1411 | 72.1489 | 34.1652 | 0.7128 | 74.2472 |
| 9/19/2025 | 12:00:00 AM | 33.4521 | 40.3481 | 6.896 | 45.774 | 33.592 | 0.1399 | 72.1501 | 34.1648 | 0.7127 | 74.2473 |
| 9/19/2025 | 1:00:00 AM | 33.4467 | 40.346 | 6.8993 | 45.7707 | 33.5855 | 0.1388 | 72.1512 | 34.164 | 0.7173 | 74.2427 |
| 9/19/2025 | 2:00:00 AM | 33.4448 | 40.3473 | 6.9025 | 45.7675 | 33.5839 | 0.1391 | 72.1509 | 34.1661 | 0.7213 | 74.2387 |
| 9/19/2025 | 3:00:00 AM | 33.436 | 40.3417 | 6.9057 | 45.7643 | 33.5737 | 0.1377 | 72.1523 | 34.1639 | 0.7279 | 74.2321 |
| 9/19/2025 | 4:00:00 AM | 33.4314 | 40.3413 | 6.9099 | 45.7601 | 33.5748 | 0.1434 | 72.1466 | 34.1649 | 0.7335 | 74.2265 |
| 9/19/2025 | 5:00:00 AM | 33.4427 | 40.3528 | 6.9101 | 45.7599 | 33.5864 | 0.1437 | 72.1463 | 34.1669 | 0.7242 | 74.2358 |
| 9/19/2025 | 6:00:00 AM | 33.4444 | 40.3548 | 6.9104 | 45.7596 | 33.5867 | 0.1423 | 72.1477 | 34.1675 | 0.7231 | 74.2369 |
| 9/19/2025 | 7:00:00 AM | 33.4479 | 40.3576 | 6.9097 | 45.7603 | 33.5933 | 0.1454 | 72.1446 | 34.1686 | 0.7207 | 74.2393 |
| 9/19/2025 | 8:00:00 AM | 33.4499 | 40.3594 | 6.9095 | 45.7605 | 33.5905 | 0.1406 | 72.1494 | 34.1688 | 0.7189 | 74.2411 |
| 9/19/2025 | 9:00:00 AM | 33.4434 | 40.3531 | 6.9097 | 45.7603 | 33.5859 | 0.1425 | 72.1475 | 34.1674 | 0.724 | 74.236 |
| 9/19/2025 | 10:00:00 AM | 33.4376 | 40.3482 | 6.9106 | 45.7594 | 33.5799 | 0.1423 | 72.1477 | 34.1661 | 0.7285 | 74.2315 |
| 9/19/2025 | 11:00:00 AM | 33.4215 | 40.3355 | 6.914 | 45.756 | 33.5644 | 0.1429 | 72.1471 | 34.1649 | 0.7434 | 74.2166 |
| 9/19/2025 | 12:00:00 PM | 33.408 | 40.3255 | 6.9175 | 45.7525 | 33.5511 | 0.1431 | 72.1469 | 34.1637 | 0.7557 | 74.2043 |
| 9/19/2025 | 1:00:00 PM | 33.3964 | 40.3157 | 6.9193 | 45.7507 | 33.5326 | 0.1362 | 72.1538 | 34.1633 | 0.7669 | 74.1931 |
| 9/19/2025 | 2:00:00 PM | 33.3714 | 40.2968 | 6.9254 | 45.7446 | 33.5086 | 0.1372 | 72.1528 | 34.161 | 0.7896 | 74.1704 |
| 9/19/2025 | 3:00:00 PM | 33.3599 | 40.2923 | 6.9324 | 45.7376 | 33.4954 | 0.1355 | 72.1545 | 34.1611 | 0.8012 | 74.1588 |
| 9/19/2025 | 4:00:00 PM | 33.3512 | 40.2901 | 6.9389 | 45.7311 | 33.4868 | 0.1356 | 72.1544 | 34.1616 | 0.8104 | 74.1496 |
| 9/19/2025 | 5:00:00 PM | 33.35 | 40.2929 | 6.9429 | 45.7271 | 33.4871 | 0.1371 | 72.1529 | 34.1632 | 0.8132 | 74.1468 |
| 9/19/2025 | 6:00:00 PM | 33.3515 | 40.2981 | 6.9466 | 45.7234 | 33.4872 | 0.1357 | 72.1543 | 34.1634 | 0.8119 | 74.1481 |
| 9/19/2025 | 7:00:00 PM | 33.3525 | 40.2996 | 6.9471 | 45.7229 | 33.4877 | 0.1352 | 72.1548 | 34.1648 | 0.8123 | 74.1477 |
| 9/19/2025 | 8:00:00 PM | 33.3549 | 40.3082 | 6.9533 | 45.7167 | 33.4924 | 0.1375 | 72.1525 | 34.1657 | 0.8108 | 74.1492 |
| 9/19/2025 | 9:00:00 PM | 33.3665 | 40.3192 | 6.9527 | 45.7173 | 33.5032 | 0.1367 | 72.1533 | 34.1684 | 0.8019 | 74.1581 |
| 9/19/2025 | 10:00:00 PM | 33.3738 | 40.3281 | 6.9543 | 45.7157 | 33.5146 | 0.1408 | 72.1492 | 34.1693 | 0.7955 | 74.1645 |
| 9/19/2025 | 11:00:00 PM | 33.3838 | 40.3358 | 6.952 | 45.718 | 33.5211 | 0.1373 | 72.1527 | 34.1674 | 0.7836 | 74.1764 |
| 9/20/2025 | 12:00:00 AM | 33.3907 | 40.3416 | 6.9509 | 45.7191 | 33.5278 | 0.1371 | 72.1529 | 34.1702 | 0.7795 | 74.1805 |
| 9/20/2025 | 1:00:00 AM | 33.393 | 40.3428 | 6.9498 | 45.7202 | 33.5307 | 0.1377 | 72.1523 | 34.1689 | 0.7759 | 74.1841 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/20/2025 | 2:00:00 AM | 33.3966 | 40.3466 | 6.95 | 45.72 | 33.5374 | 0.1408 | 72.1492 | 34.1698 | 0.7732 | 74.1868 |
| 9/20/2025 | 3:00:00 AM | 33.3967 | 40.3483 | 6.9516 | 45.7184 | 33.5405 | 0.1438 | 72.1462 | 34.1694 | 0.7727 | 74.1873 |
| 9/20/2025 | 4:00:00 AM | 33.4036 | 40.3538 | 6.9502 | 45.7198 | 33.5415 | 0.1379 | 72.1521 | 34.1707 | 0.7671 | 74.1929 |
| 9/20/2025 | 5:00:00 AM | 33.3973 | 40.3484 | 6.9511 | 45.7189 | 33.538 | 0.1407 | 72.1493 | 34.1708 | 0.7735 | 74.1865 |
| 9/20/2025 | 6:00:00 AM | 33.392 | 40.3432 | 6.9512 | 45.7188 | 33.5351 | 0.1431 | 72.1469 | 34.1695 | 0.7775 | 74.1825 |
| 9/20/2025 | 7:00:00 AM | 33.4004 | 40.3516 | 6.9512 | 45.7188 | 33.5435 | 0.1431 | 72.1469 | 34.1709 | 0.7705 | 74.1895 |
| 9/20/2025 | 8:00:00 AM | 33.4056 | 40.3543 | 6.9487 | 45.7213 | 33.5486 | 0.143 | 72.147 | 34.1709 | 0.7653 | 74.1947 |
| 9/20/2025 | 9:00:00 AM | 33.4042 | 40.3511 | 6.9469 | 45.7231 | 33.5443 | 0.1401 | 72.1499 | 34.1699 | 0.7657 | 74.1943 |
| 9/20/2025 | 10:00:00 AM | 33.4062 | 40.3507 | 6.9445 | 45.7255 | 33.546 | 0.1398 | 72.1502 | 34.1702 | 0.764 | 74.196 |
| 9/20/2025 | 11:00:00 AM | 33.4005 | 40.3452 | 6.9447 | 45.7253 | 33.5429 | 0.1424 | 72.1476 | 34.1693 | 0.7688 | 74.1912 |
| 9/20/2025 | 12:00:00 PM | 33.4005 | 40.3437 | 6.9432 | 45.7268 | 33.539 | 0.1385 | 72.1515 | 34.1698 | 0.7693 | 74.1907 |
| 9/20/2025 | 1:00:00 PM | 33.3859 | 40.3319 | 6.946 | 45.724 | 33.528 | 0.1421 | 72.1479 | 34.1679 | 0.782 | 74.178 |
| 9/20/2025 | 2:00:00 PM | 33.3777 | 40.3233 | 6.9456 | 45.7244 | 33.517 | 0.1393 | 72.1507 | 34.1677 | 0.79 | 74.17 |
| 9/20/2025 | 3:00:00 PM | 33.3595 | 40.3091 | 6.9496 | 45.7204 | 33.4927 | 0.1332 | 72.1568 | 34.1644 | 0.8049 | 74.1551 |
| 9/20/2025 | 4:00:00 PM | 33.3338 | 40.2911 | 6.9573 | 45.7127 | 33.4688 | 0.135 | 72.155 | 34.1624 | 0.8286 | 74.1314 |
| 9/20/2025 | 5:00:00 PM | 33.3097 | 40.2742 | 6.9645 | 45.7055 | 33.4418 | 0.1321 | 72.1579 | 34.1606 | 0.8509 | 74.1091 |
| 9/20/2025 | 6:00:00 PM | 33.2922 | 40.2661 | 6.9739 | 45.6961 | 33.4319 | 0.1397 | 72.1503 | 34.1593 | 0.8671 | 74.0929 |
| 9/20/2025 | 7:00:00 PM | 33.2847 | 40.2673 | 6.9826 | 45.6874 | 33.4261 | 0.1414 | 72.1486 | 34.1597 | 0.875 | 74.085 |
| 9/20/2025 | 8:00:00 PM | 33.2909 | 40.2762 | 6.9853 | 45.6847 | 33.43 | 0.1391 | 72.1509 | 34.1619 | 0.871 | 74.089 |
| 9/20/2025 | 9:00:00 PM | 33.304 | 40.2885 | 6.9845 | 45.6855 | 33.4407 | 0.1367 | 72.1533 | 34.1645 | 0.8605 | 74.0995 |
| 9/20/2025 | 10:00:00 PM | 33.3063 | 40.2928 | 6.9865 | 45.6835 | 33.4387 | 0.1324 | 72.1576 | 34.1632 | 0.8569 | 74.1031 |
| 9/20/2025 | 11:00:00 PM | 33.3121 | 40.3 | 6.9879 | 45.6821 | 33.4461 | 0.134 | 72.156 | 34.1642 | 0.8521 | 74.1079 |
| 9/21/2025 | 12:00:00 AM | 33.3008 | 40.2931 | 6.9923 | 45.6777 | 33.4357 | 0.1349 | 72.1551 | 34.1619 | 0.8611 | 74.0989 |
| 9/21/2025 | 1:00:00 AM | 33.2962 | 40.2904 | 6.9942 | 45.6758 | 33.4293 | 0.1331 | 72.1569 | 34.1605 | 0.8643 | 74.0957 |
| 9/21/2025 | 2:00:00 AM | 33.2933 | 40.2906 | 6.9973 | 45.6727 | 33.4305 | 0.1372 | 72.1528 | 34.1615 | 0.8682 | 74.0918 |
| 9/21/2025 | 3:00:00 AM | 33.295 | 40.2956 | 7.0006 | 45.6694 | 33.4293 | 0.1343 | 72.1557 | 34.1634 | 0.8684 | 74.0916 |
| 9/21/2025 | 4:00:00 AM | 33.2837 | 40.2926 | 7.0089 | 45.6611 | 33.4204 | 0.1367 | 72.1533 | 34.1644 | 0.8807 | 74.0793 |
| 9/21/2025 | 5:00:00 AM | 33.274 | 40.2864 | 7.0124 | 45.6576 | 33.4093 | 0.1353 | 72.1547 | 34.1632 | 0.8892 | 74.0708 |
| 9/21/2025 | 6:00:00 AM | 33.265 | 40.2874 | 7.0224 | 45.6476 | 33.4038 | 0.1388 | 72.1512 | 34.1636 | 0.8986 | 74.0614 |
| 9/21/2025 | 7:00:00 AM | 33.2836 | 40.3055 | 7.0219 | 45.6481 | 33.4311 | 0.1475 | 72.1425 | 34.1678 | 0.8842 | 74.0758 |
| 9/21/2025 | 8:00:00 AM | 33.3124 | 40.3316 | 7.0192 | 45.6508 | 33.4573 | 0.1449 | 72.1451 | 34.1728 | 0.8604 | 74.0996 |
| 9/21/2025 | 9:00:00 AM | 33.3421 | 40.3547 | 7.0126 | 45.6574 | 33.4841 | 0.142 | 72.148 | 34.1762 | 0.8341 | 74.1259 |
| 9/21/2025 | 10:00:00 AM | 33.3768 | 40.3823 | 7.0055 | 45.6645 | 33.518 | 0.1412 | 72.1488 | 34.1797 | 0.8029 | 74.1571 |
| 9/21/2025 | 11:00:00 AM | 33.3945 | 40.3921 | 6.9976 | 45.6724 | 33.5373 | 0.1428 | 72.1472 | 34.1788 | 0.7843 | 74.1757 |
| 9/21/2025 | 12:00:00 PM | 33.4214 | 40.4077 | 6.9863 | 45.6837 | 33.5651 | 0.1437 | 72.1463 | 34.1818 | 0.7604 | 74.1996 |
| 9/21/2025 | 1:00:00 PM | 33.4449 | 40.4201 | 6.9752 | 45.6948 | 33.5847 | 0.1398 | 72.1502 | 34.183 | 0.7381 | 74.2219 |
| 9/21/2025 | 2:00:00 PM | 33.4535 | 40.4221 | 6.9686 | 45.7014 | 33.596 | 0.1425 | 72.1475 | 34.1817 | 0.7282 | 74.2318 |
| 9/21/2025 | 3:00:00 PM | 33.4731 | 40.4313 | 6.9582 | 45.7118 | 33.6094 | 0.1363 | 72.1537 | 34.1836 | 0.7105 | 74.2495 |
| 9/21/2025 | 4:00:00 PM | 33.472 | 40.426 | 6.954 | 45.716 | 33.6093 | 0.1373 | 72.1527 | 34.1819 | 0.7099 | 74.2501 |
| 9/21/2025 | 5:00:00 PM | 33.4799 | 40.4271 | 6.9472 | 45.7228 | 33.6198 | 0.1399 | 72.1501 | 34.1828 | 0.7029 | 74.2571 |
| 9/21/2025 | 6:00:00 PM | 33.5015 | 40.4421 | 6.9406 | 45.7294 | 33.6438 | 0.1423 | 72.1477 | 34.1854 | 0.6839 | 74.2761 |
| 9/21/2025 | 7:00:00 PM | 33.5201 | 40.4519 | 6.9318 | 45.7382 | 33.6612 | 0.1411 | 72.1489 | 34.1866 | 0.6665 | 74.2935 |
| 9/21/2025 | 8:00:00 PM | 33.5333 | 40.4591 | 6.9258 | 45.7442 | 33.6767 | 0.1434 | 72.1466 | 34.1871 | 0.6538 | 74.3062 |
| 9/21/2025 | 9:00:00 PM | 33.5608 | 40.4755 | 6.9147 | 45.7553 | 33.7011 | 0.1403 | 72.1497 | 34.1898 | 0.629 | 74.331 |
| 9/21/2025 | 10:00:00 PM | 33.5715 | 40.4787 | 6.9072 | 45.7628 | 33.7132 | 0.1417 | 72.1483 | 34.1889 | 0.6174 | 74.3426 |
| 9/21/2025 | 11:00:00 PM | 33.5877 | 40.4859 | 6.8982 | 45.7718 | 33.7291 | 0.1414 | 72.1486 | 34.1916 | 0.6039 | 74.3561 |
| 9/22/2025 | 12:00:00 AM | 33.6026 | 40.4954 | 6.8928 | 45.7772 | 33.7499 | 0.1473 | 72.1427 | 34.1927 | 0.5901 | 74.3699 |
| 9/22/2025 | 1:00:00 AM | 33.6142 | 40.4975 | 6.8833 | 45.7867 | 33.7574 | 0.1432 | 72.1468 | 34.1925 | 0.5783 | 74.3817 |
| 9/22/2025 | 2:00:00 AM | 33.6269 | 40.5029 | 6.876 | 45.794 | 33.7708 | 0.1439 | 72.1461 | 34.193 | 0.5661 | 74.3939 |
| 9/22/2025 | 3:00:00 AM | 33.6198 | 40.49 | 6.8702 | 45.7998 | 33.7631 | 0.1433 | 72.1467 | 34.1895 | 0.5697 | 74.3903 |
| 9/22/2025 | 4:00:00 AM | 33.6244 | 40.4906 | 6.8662 | 45.8038 | 33.7681 | 0.1437 | 72.1463 | 34.1901 | 0.5657 | 74.3943 |
| 9/22/2025 | 5:00:00 AM | 33.6234 | 40.4859 | 6.8625 | 45.8075 | 33.765 | 0.1416 | 72.1484 | 34.1895 | 0.5661 | 74.3939 |
| 9/22/2025 | 6:00:00 AM | 33.6324 | 40.4904 | 6.858 | 45.812 | 33.7788 | 0.1464 | 72.1436 | 34.1906 | 0.5582 | 74.4018 |
| 9/22/2025 | 7:00:00 AM | 33.6416 | 40.4945 | 6.8529 | 45.8171 | 33.7884 | 0.1468 | 72.1432 | 34.1897 | 0.5481 | 74.4119 |
| 9/22/2025 | 8:00:00 AM | 33.6527 | 40.4995 | 6.8468 | 45.8232 | 33.8029 | 0.1502 | 72.1398 | 34.1921 | 0.5394 | 74.4206 |
| 9/22/2025 | 9:00:00 AM | 33.6687 | 40.508 | 6.8393 | 45.8307 | 33.8137 | 0.145 | 72.145 | 34.1928 | 0.5241 | 74.4359 |
| 9/22/2025 | 10:00:00 AM | 33.6658 | 40.4977 | 6.8319 | 45.8381 | 33.8119 | 0.1461 | 72.1439 | 34.1909 | 0.5251 | 74.4349 |
| 9/22/2025 | 11:00:00 AM | 33.6578 | 40.4874 | 6.8296 | 45.8404 | 33.8045 | 0.1467 | 72.1433 | 34.1891 | 0.5313 | 74.4287 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/22/2025 | 12:00:00 PM | 33.651 | 40.477 | 6.826 | 45.844 | 33.7941 | 0.1431 | 72.1469 | 34.1871 | 0.5361 | 74.4239 |
| 9/22/2025 | 1:00:00 PM | 33.6376 | 40.4625 | 6.8249 | 45.8451 | 33.7778 | 0.1402 | 72.1498 | 34.1856 | 0.548 | 74.412 |
| 9/22/2025 | 2:00:00 PM | 33.6164 | 40.4405 | 6.8241 | 45.8459 | 33.7541 | 0.1377 | 72.1523 | 34.1826 | 0.5662 | 74.3938 |
| 9/22/2025 | 3:00:00 PM | 33.5885 | 40.4177 | 6.8292 | 45.8408 | 33.7263 | 0.1378 | 72.1522 | 34.1796 | 0.5911 | 74.3689 |
| 9/22/2025 | 4:00:00 PM | 33.5795 | 40.4149 | 6.8354 | 45.8346 | 33.7213 | 0.1418 | 72.1482 | 34.1804 | 0.6009 | 74.3591 |
| 9/22/2025 | 5:00:00 PM | 33.5695 | 40.4048 | 6.8353 | 45.8347 | 33.7037 | 0.1342 | 72.1558 | 34.1799 | 0.6104 | 74.3496 |
| 9/22/2025 | 6:00:00 PM | 33.5566 | 40.399 | 6.8424 | 45.8276 | 33.6957 | 0.1391 | 72.1509 | 34.1797 | 0.6231 | 74.3369 |
| 9/22/2025 | 7:00:00 PM | 33.5524 | 40.3976 | 6.8452 | 45.8248 | 33.6893 | 0.1369 | 72.1531 | 34.18 | 0.6276 | 74.3324 |
| 9/22/2025 | 8:00:00 PM | 33.5527 | 40.4005 | 6.8478 | 45.8222 | 33.6932 | 0.1405 | 72.1495 | 34.1823 | 0.6296 | 74.3304 |
| 9/22/2025 | 9:00:00 PM | 33.5619 | 40.4121 | 6.8502 | 45.8198 | 33.7007 | 0.1388 | 72.1512 | 34.1839 | 0.622 | 74.338 |
| 9/22/2025 | 10:00:00 PM | 33.5711 | 40.4212 | 6.8501 | 45.8199 | 33.7116 | 0.1405 | 72.1495 | 34.1853 | 0.6142 | 74.3458 |
| 9/22/2025 | 11:00:00 PM | 33.5715 | 40.4211 | 6.8496 | 45.8204 | 33.7092 | 0.1377 | 72.1523 | 34.1848 | 0.6133 | 74.3467 |
| 9/23/2025 | 12:00:00 AM | 33.5721 | 40.4229 | 6.8508 | 45.8192 | 33.7105 | 0.1384 | 72.1516 | 34.1862 | 0.6141 | 74.3459 |
| 9/23/2025 | 1:00:00 AM | 33.5661 | 40.4193 | 6.8532 | 45.8168 | 33.706 | 0.1399 | 72.1501 | 34.1848 | 0.6187 | 74.3413 |
| 9/23/2025 | 2:00:00 AM | 33.5648 | 40.4192 | 6.8544 | 45.8156 | 33.7061 | 0.1413 | 72.1487 | 34.1862 | 0.6214 | 74.3386 |
| 9/23/2025 | 3:00:00 AM | 33.5602 | 40.4188 | 6.8586 | 45.8114 | 33.701 | 0.1408 | 72.1492 | 34.1858 | 0.6256 | 74.3344 |
| 9/23/2025 | 4:00:00 AM | 33.5635 | 40.4229 | 6.8594 | 45.8106 | 33.7051 | 0.1416 | 72.1484 | 34.1881 | 0.6246 | 74.3354 |
| 9/23/2025 | 5:00:00 AM | 33.5453 | 40.408 | 6.8627 | 45.8073 | 33.6872 | 0.1419 | 72.1481 | 34.186 | 0.6407 | 74.3193 |
| 9/23/2025 | 6:00:00 AM | 33.5375 | 40.4074 | 6.8699 | 45.8001 | 33.6832 | 0.1457 | 72.1443 | 34.1858 | 0.6483 | 74.3117 |
| 9/23/2025 | 7:00:00 AM | 33.5514 | 40.4207 | 6.8693 | 45.8007 | 33.6943 | 0.1429 | 72.1471 | 34.1892 | 0.6378 | 74.3222 |
| 9/23/2025 | 8:00:00 AM | 33.555 | 40.4236 | 6.8686 | 45.8014 | 33.6979 | 0.1429 | 72.1471 | 34.1892 | 0.6342 | 74.3258 |
| 9/23/2025 | 9:00:00 AM | 33.5464 | 40.4169 | 6.8705 | 45.7995 | 33.6929 | 0.1465 | 72.1435 | 34.1879 | 0.6415 | 74.3185 |
| 9/23/2025 | 10:00:00 AM | 33.5414 | 40.4135 | 6.8721 | 45.7979 | 33.6869 | 0.1455 | 72.1445 | 34.1868 | 0.6454 | 74.3146 |
| 9/23/2025 | 11:00:00 AM | 33.5338 | 40.4042 | 6.8704 | 45.7996 | 33.6775 | 0.1437 | 72.1463 | 34.1853 | 0.6515 | 74.3085 |
| 9/23/2025 | 12:00:00 PM | 33.5224 | 40.3964 | 6.874 | 45.796 | 33.6647 | 0.1423 | 72.1477 | 34.1832 | 0.6608 | 74.2992 |
| 9/23/2025 | 1:00:00 PM | 33.5127 | 40.389 | 6.8763 | 45.7937 | 33.6548 | 0.1421 | 72.1479 | 34.1819 | 0.6692 | 74.2908 |
| 9/23/2025 | 2:00:00 PM | 33.501 | 40.3795 | 6.8785 | 45.7915 | 33.6426 | 0.1416 | 72.1484 | 34.1806 | 0.6796 | 74.2804 |
| 9/23/2025 | 3:00:00 PM | 33.4926 | 40.3731 | 6.8805 | 45.7895 | 33.6321 | 0.1395 | 72.1505 | 34.1811 | 0.6885 | 74.2715 |
| 9/23/2025 | 4:00:00 PM | 33.478 | 40.3643 | 6.8863 | 45.7837 | 33.6153 | 0.1373 | 72.1527 | 34.1806 | 0.7026 | 74.2574 |
| 9/23/2025 | 5:00:00 PM | 33.468 | 40.3574 | 6.8894 | 45.7806 | 33.6048 | 0.1368 | 72.1532 | 34.1798 | 0.7118 | 74.2482 |
| 9/23/2025 | 6:00:00 PM | 33.4676 | 40.3603 | 6.8927 | 45.7773 | 33.605 | 0.1374 | 72.1526 | 34.1814 | 0.7138 | 74.2462 |
| 9/23/2025 | 7:00:00 PM | 33.4723 | 40.3661 | 6.8938 | 45.7762 | 33.6084 | 0.1361 | 72.1539 | 34.1829 | 0.7106 | 74.2494 |
| 9/23/2025 | 8:00:00 PM | 33.4827 | 40.3789 | 6.8962 | 45.7738 | 33.6191 | 0.1364 | 72.1536 | 34.1841 | 0.7014 | 74.2586 |
| 9/23/2025 | 9:00:00 PM | 33.494 | 40.3882 | 6.8942 | 45.7758 | 33.6284 | 0.1344 | 72.1556 | 34.1865 | 0.6925 | 74.2675 |
| 9/23/2025 | 10:00:00 PM | 33.4931 | 40.3883 | 6.8952 | 45.7748 | 33.631 | 0.1379 | 72.1521 | 34.185 | 0.6919 | 74.2681 |
| 9/23/2025 | 11:00:00 PM | 33.4968 | 40.3924 | 6.8956 | 45.7744 | 33.6395 | 0.1427 | 72.1473 | 34.186 | 0.6892 | 74.2708 |
| 9/24/2025 | 12:00:00 AM | 33.5027 | 40.3961 | 6.8934 | 45.7766 | 33.6396 | 0.1369 | 72.1531 | 34.1862 | 0.6835 | 74.2765 |
| 9/24/2025 | 1:00:00 AM | 33.513 | 40.4051 | 6.8921 | 45.7779 | 33.6521 | 0.1391 | 72.1509 | 34.1876 | 0.6746 | 74.2854 |
| 9/24/2025 | 2:00:00 AM | 33.5211 | 40.4108 | 6.8897 | 45.7803 | 33.6615 | 0.1404 | 72.1496 | 34.1889 | 0.6678 | 74.2922 |
| 9/24/2025 | 3:00:00 AM | 33.5317 | 40.4165 | 6.8848 | 45.7852 | 33.6678 | 0.1361 | 72.1539 | 34.189 | 0.6573 | 74.3027 |
| 9/24/2025 | 4:00:00 AM | 33.5301 | 40.4137 | 6.8836 | 45.7864 | 33.6661 | 0.136 | 72.154 | 34.1874 | 0.6573 | 74.3027 |
| 9/24/2025 | 5:00:00 AM | 33.5218 | 40.4074 | 6.8856 | 45.7844 | 33.6691 | 0.1473 | 72.1427 | 34.1881 | 0.6663 | 74.2937 |
| 9/24/2025 | 6:00:00 AM | 33.5286 | 40.4125 | 6.8839 | 45.7861 | 33.6736 | 0.145 | 72.145 | 34.1902 | 0.6616 | 74.2984 |
| 9/24/2025 | 7:00:00 AM | 33.5296 | 40.4099 | 6.8803 | 45.7897 | 33.6708 | 0.1412 | 72.1488 | 34.1891 | 0.6595 | 74.3005 |
| 9/24/2025 | 8:00:00 AM | 33.5386 | 40.4175 | 6.8789 | 45.7911 | 33.6792 | 0.1406 | 72.1494 | 34.1901 | 0.6515 | 74.3085 |
| 9/24/2025 | 9:00:00 AM | 33.5332 | 40.4126 | 6.8794 | 45.7906 | 33.6833 | 0.1501 | 72.1399 | 34.1892 | 0.656 | 74.304 |
| 9/24/2025 | 10:00:00 AM | 33.5484 | 40.4232 | 6.8748 | 45.7952 | 33.6916 | 0.1432 | 72.1468 | 34.1922 | 0.6438 | 74.3162 |
| 9/24/2025 | 11:00:00 AM | 33.5542 | 40.4244 | 6.8702 | 45.7998 | 33.6969 | 0.1427 | 72.1473 | 34.1932 | 0.639 | 74.321 |
| 9/24/2025 | 12:00:00 PM | 33.5478 | 40.4154 | 6.8676 | 45.8024 | 33.687 | 0.1392 | 72.1508 | 34.1908 | 0.643 | 74.317 |
| 9/24/2025 | 1:00:00 PM | 33.5421 | 40.4096 | 6.8675 | 45.8025 | 33.6832 | 0.1411 | 72.1489 | 34.1908 | 0.6487 | 74.3113 |
| 9/24/2025 | 2:00:00 PM | 33.5231 | 40.3913 | 6.8682 | 45.8018 | 33.6636 | 0.1405 | 72.1495 | 34.1872 | 0.6641 | 74.2959 |
| 9/24/2025 | 3:00:00 PM | 33.5085 | 40.3794 | 6.8709 | 45.7991 | 33.6463 | 0.1378 | 72.1522 | 34.1865 | 0.678 | 74.282 |
| 9/24/2025 | 4:00:00 PM | 33.5009 | 40.3741 | 6.8732 | 45.7968 | 33.6424 | 0.1415 | 72.1485 | 34.1863 | 0.6854 | 74.2746 |
| 9/24/2025 | 5:00:00 PM | 33.5001 | 40.3751 | 6.875 | 45.795 | 33.6393 | 0.1392 | 72.1508 | 34.1889 | 0.6888 | 74.2712 |
| 9/24/2025 | 6:00:00 PM | 33.5002 | 40.376 | 6.8758 | 45.7942 | 33.6393 | 0.1391 | 72.1509 | 34.1894 | 0.6892 | 74.2708 |
| 9/24/2025 | 7:00:00 PM | 33.4983 | 40.3766 | 6.8783 | 45.7917 | 33.6371 | 0.1388 | 72.1512 | 34.1893 | 0.691 | 74.269 |
| 9/24/2025 | 8:00:00 PM | 33.5011 | 40.3804 | 6.8793 | 45.7907 | 33.6392 | 0.1381 | 72.1519 | 34.1912 | 0.6901 | 74.2699 |
| 9/24/2025 | 9:00:00 PM | 33.5078 | 40.389 | 6.8812 | 45.7888 | 33.6466 | 0.1388 | 72.1512 | 34.1919 | 0.6841 | 74.2759 |

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| 9/24/2025 | 10:00:00 PM | 33.5105 | 40.391 | 6.8805 | 45.7895 | 33.6504 | 0.1399 | 72.1501 | 34.1931 | 0.6826 | 74.2774 |
| 9/24/2025 | 11:00:00 PM | 33.5098 | 40.3905 | 6.8807 | 45.7893 | 33.6489 | 0.1391 | 72.1509 | 34.1931 | 0.6833 | 74.2767 |
| 9/25/2025 | 12:00:00 AM | 33.5134 | 40.3966 | 6.8832 | 45.7868 | 33.6548 | 0.1414 | 72.1486 | 34.1944 | 0.681 | 74.279 |
| 9/25/2025 | 1:00:00 AM | 33.5233 | 40.4046 | 6.8813 | 45.7887 | 33.6633 | 0.14 | 72.15 | 34.1958 | 0.6725 | 74.2875 |
| 9/25/2025 | 2:00:00 AM | 33.5247 | 40.4043 | 6.8796 | 45.7904 | 33.669 | 0.1443 | 72.1457 | 34.1965 | 0.6718 | 74.2882 |
| 9/25/2025 | 3:00:00 AM | 33.5284 | 40.4075 | 6.8791 | 45.7909 | 33.6678 | 0.1394 | 72.1506 | 34.1971 | 0.6687 | 74.2913 |
| 9/25/2025 | 4:00:00 AM | 33.5254 | 40.4061 | 6.8807 | 45.7893 | 33.6728 | 0.1474 | 72.1426 | 34.1954 | 0.67 | 74.29 |
| 9/25/2025 | 5:00:00 AM | 33.5346 | 40.4135 | 6.8789 | 45.7911 | 33.6791 | 0.1445 | 72.1455 | 34.198 | 0.6634 | 74.2966 |
| 9/25/2025 | 6:00:00 AM | 33.551 | 40.4275 | 6.8765 | 45.7935 | 33.6988 | 0.1478 | 72.1422 | 34.2006 | 0.6496 | 74.3104 |
| 9/25/2025 | 7:00:00 AM | 33.5602 | 40.4314 | 6.8712 | 45.7988 | 33.7055 | 0.1453 | 72.1447 | 34.2022 | 0.642 | 74.318 |
| 9/25/2025 | 8:00:00 AM | 33.5715 | 40.4417 | 6.8702 | 45.7998 | 33.7209 | 0.1494 | 72.1406 | 34.2028 | 0.6313 | 74.3287 |
| 9/25/2025 | 9:00:00 AM | 33.5905 | 40.4501 | 6.8596 | 45.8104 | 33.6289 | 0.0384 | 72.2516 | 34.2043 | 0.6138 | 74.3462 |
| 9/25/2025 | 10:00:00 AM | | | 0 | 52.67 | | 0 | 72.29 | | 0 | 74.96 |
| 9/25/2025 | 11:00:00 AM | | | 0 | 52.67 | | 0 | 72.29 | | | |

Seasonal Groundwater Monitoring
Project Name Arlington 360
Project Number T-9011

| Logger Install Data | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| EB-1W | | EB-2W | | EB-3W | | EB-4W | | EB-5W | | EB-7W | |
| Depth of Logger Below top of PVC | 51 | Depth of Logger Below top of PVC | 42 | Depth of Logger Below top of PVC | 43 | Depth of Logger Below top of PVC | 33 | Depth of Logger Below top of PVC | 58 | Depth of Logger Below top of PVC | 70 |
| Depth of PVC from Grade | -3.27 | Depth of PVC from Grade | -3.35 | Depth of PVC from Grade | -3.65 | Depth of PVC from Grade | -3.19 | Depth of PVC from Grade | -3.06 | Depth of PVC from Grade | -3.79 |
| Depth of Logger from Grade | 47.73 | Depth of Logger from Grade | 38.65 | Depth of Logger from Grade | 39.35 | Depth of Logger from Grade | 29.81 | Depth of Logger from Grade | 54.94 | Depth of Logger from Grade | 66.21 |

| | | | EB-1W | | | EB-2W | | | EB-3W | | | EB-4W | | | EB-7W | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Time | BaraLogger | Raw Data | Compenstated Data | Depth Below Grade | Raw Data | Compenstated Data | Depth Below Grade | Raw Data | Compenstated Data | Depth Below Grade | Raw Data | Compenstated Data | Depth Below Grade | Raw Data | Compenstated Data | Depth Below Grade |
| 12/1/2024 | 12:00:00 AM | 34.01523 | 60.1157 | 26.10047 | 21.62953 | 48.04771 | 14.03248 | 24.61752 | 49.55726 | 15.54203 | 23.80797 | 40.83699 | 6.82176 | 22.98824 | 44.29136 | 10.27613 | 55.93387 |
| 12/1/2024 | 1:00:00 AM | 33.98513 | 60.10498 | 26.11985 | 21.61015 | 48.041 | 14.05587 | 24.59413 | 49.53944 | 15.55431 | 23.79569 | 40.82984 | 6.84471 | 22.96529 | 44.27349 | 10.28836 | 55.92164 |
| 12/1/2024 | 2:00:00 AM | 33.9751 | 60.10141 | 26.12631 | 21.60369 | 48.03764 | 14.06254 | 24.58746 | 49.53944 | 15.56434 | 23.78566 | 40.83342 | 6.85832 | 22.95168 | 44.28064 | 10.30554 | 55.90446 |
| 12/1/2024 | 3:00:00 AM | 33.96841 | 60.10498 | 26.13657 | 21.59343 | 48.04435 | 14.07594 | 24.57406 | 49.55013 | 15.58172 | 23.76828 | 40.84057 | 6.87216 | 22.93784 | 44.28778 | 10.31937 | 55.89063 |
| 12/1/2024 | 4:00:00 AM | 33.94835 | 60.10141 | 26.15306 | 21.57694 | 48.02423 | 14.07588 | 24.57412 | 49.52874 | 15.58039 | 23.76961 | 40.82626 | 6.87791 | 22.93209 | 44.29136 | 10.34301 | 55.86699 |
| 12/1/2024 | 5:00:00 AM | 33.94166 | 60.0907 | 26.14904 | 21.58096 | 48.02088 | 14.07922 | 24.57078 | 49.53231 | 15.59065 | 23.75935 | 40.82268 | 6.88102 | 22.92898 | 44.28064 | 10.33898 | 55.87102 |
| 12/1/2024 | 6:00:00 AM | 33.93497 | 60.09784 | 26.16287 | 21.56713 | 48.03094 | 14.09597 | 24.55403 | 49.52518 | 15.59021 | 23.75979 | 40.83699 | 6.90202 | 22.90798 | 44.29136 | 10.35639 | 55.85361 |
| 12/1/2024 | 7:00:00 AM | 33.945 | 60.10498 | 26.15998 | 21.57002 | 48.03764 | 14.09264 | 24.55736 | 49.543 | 15.598 | 23.752 | 40.83342 | 6.88842 | 22.92158 | 44.30565 | 10.36065 | 55.84935 |
| 12/1/2024 | 8:00:00 AM | 33.94835 | 60.10141 | 26.15306 | 21.57694 | 48.03429 | 14.08594 | 24.56406 | 49.53231 | 15.58396 | 23.76604 | 40.82626 | 6.87791 | 22.93209 | 44.30208 | 10.35373 | 55.85627 |
| 12/1/2024 | 9:00:00 AM | 33.94835 | 60.10141 | 26.15306 | 21.57694 | 48.041 | 14.09265 | 24.55735 | 49.54657 | 15.59822 | 23.75178 | 40.83342 | 6.88507 | 22.92493 | 44.30565 | 10.3573 | 55.8527 |
| 12/1/2024 | 10:00:00 AM | 33.95838 | 60.10855 | 26.15017 | 21.57983 | 48.05106 | 14.09268 | 24.55732 | 49.5537 | 15.59532 | 23.75468 | 40.83342 | 6.87504 | 22.93496 | 44.31638 | 10.358 | 55.852 |
| 12/1/2024 | 11:00:00 AM | 33.96507 | 60.10141 | 26.13634 | 21.59366 | 48.03764 | 14.07257 | 24.57743 | 49.53587 | 15.5708 | 23.7792 | 40.82268 | 6.85761 | 22.95239 | 44.30208 | 10.33701 | 55.87299 |
| 12/1/2024 | 12:00:00 PM | 33.97176 | 60.07642 | 26.10466 | 21.62534 | 48.01752 | 14.04576 | 24.60424 | 49.51092 | 15.53916 | 23.81084 | 40.80122 | 6.82946 | 22.98054 | 44.27349 | 10.30173 | 55.90827 |
| 12/1/2024 | 1:00:00 PM | 33.95838 | 60.06213 | 26.10375 | 21.62625 | 47.9974 | 14.03902 | 24.61098 | 49.49309 | 15.53471 | 23.81529 | 40.80479 | 6.84641 | 22.96359 | 44.25919 | 10.30081 | 55.90919 |
| 12/1/2024 | 2:00:00 PM | 33.93497 | 60.06213 | 26.12716 | 21.60284 | 47.98734 | 14.05237 | 24.59763 | 49.48239 | 15.54742 | 23.80258 | 40.81195 | 6.87698 | 22.93302 | 44.25919 | 10.32422 | 55.88578 |
| 12/1/2024 | 3:00:00 PM | 33.9216 | 60.07284 | 26.15124 | 21.57876 | 47.9974 | 14.0758 | 24.5742 | 49.48952 | 15.56792 | 23.78208 | 40.81195 | 6.89035 | 22.91965 | 44.27706 | 10.35546 | 55.85454 |
| 12/1/2024 | 4:00:00 PM | 33.91825 | 60.07284 | 26.15459 | 21.57541 | 47.9974 | 14.07915 | 24.57085 | 49.49665 | 15.5784 | 23.7716 | 40.81553 | 6.89728 | 22.91272 | 44.28064 | 10.36239 | 55.84761 |
| 12/1/2024 | 5:00:00 PM | 33.91825 | 60.07999 | 26.16174 | 21.56826 | 48.00075 | 14.0825 | 24.5675 | 49.50022 | 15.58197 | 23.76803 | 40.82626 | 6.90801 | 22.90199 | 44.29493 | 10.37668 | 55.83332 |
| 12/1/2024 | 6:00:00 PM | 33.91491 | 60.07284 | 26.15793 | 21.57207 | 47.99404 | 14.07913 | 24.57087 | 49.49309 | 15.57818 | 23.77182 | 40.81911 | 6.9042 | 22.9058 | 44.28778 | 10.37287 | 55.83713 |
| 12/1/2024 | 7:00:00 PM | 33.9216 | 60.08356 | 26.16196 | 21.56804 | 48.00746 | 14.08586 | 24.56414 | 49.50022 | 15.57862 | 23.77138 | 40.82268 | 6.90108 | 22.90892 | 44.29851 | 10.37691 | 55.83309 |
| 12/1/2024 | 8:00:00 PM | 33.92494 | 60.09427 | 26.16933 | 21.56067 | 48.02758 | 14.10264 | 24.54736 | 49.51092 | 15.58598 | 23.76402 | 40.82268 | 6.89774 | 22.91226 | 44.30208 | 10.37714 | 55.83286 |
| 12/1/2024 | 9:00:00 PM | 33.94166 | 60.09427 | 26.15261 | 21.57739 | 48.03094 | 14.08928 | 24.56072 | 49.51448 | 15.57282 | 23.77718 | 40.82268 | 6.88102 | 22.92898 | 44.3128 | 10.37114 | 55.83886 |
| 12/1/2024 | 10:00:00 PM | 33.94835 | 60.09427 | 26.14592 | 21.58408 | 48.03094 | 14.08259 | 24.56741 | 49.51805 | 15.5697 | 23.7803 | 40.82984 | 6.88149 | 22.92851 | 44.30208 | 10.35373 | 55.85627 |
| 12/1/2024 | 11:00:00 PM | 33.95504 | 60.10498 | 26.14994 | 21.58006 | 48.03764 | 14.0826 | 24.5674 | 49.52518 | 15.57014 | 23.77986 | 40.82984 | 6.8748 | 22.9352 | 44.30923 | 10.35419 | 55.85581 |
| 12/2/2024 | 12:00:00 AM | 33.96172 | 60.10855 | 26.14683 | 21.58317 | 48.04771 | 14.08599 | 24.56401 | 49.52518 | 15.56346 | 23.78654 | 40.83342 | 6.8717 | 22.9383 | 44.30923 | 10.34751 | 55.86249 |
| 12/2/2024 | 1:00:00 AM | 33.97176 | 60.10498 | 26.13322 | 21.59678 | 48.04435 | 14.07259 | 24.57741 | 49.53231 | 15.56055 | 23.78945 | 40.83699 | 6.86523 | 22.94477 | 44.30923 | 10.33747 | 55.87253 |
| 12/2/2024 | 2:00:00 AM | 33.97176 | 60.09784 | 26.12608 | 21.60392 | 48.041 | 14.06924 | 24.58076 | 49.52161 | 15.54985 | 23.80015 | 40.82626 | 6.8545 | 22.9555 | 44.29493 | 10.32317 | 55.88683 |
| 12/2/2024 | 3:00:00 AM | 33.97176 | 60.10498 | 26.13322 | 21.59678 | 48.041 | 14.06924 | 24.58076 | 49.52518 | 15.55342 | 23.79658 | 40.82268 | 6.85092 | 22.95908 | 44.30208 | 10.33032 | 55.87968 |
| 12/2/2024 | 4:00:00 AM | 33.9751 | 60.10141 | 26.12631 | 21.60369 | 48.03094 | 14.05584 | 24.59416 | 49.51092 | 15.53582 | 23.81418 | 40.82626 | 6.85116 | 22.95884 | 44.29493 | 10.31983 | 55.89017 |
| 12/2/2024 | 5:00:00 AM | 33.9751 | 60.10141 | 26.12631 | 21.60369 | 48.04435 | 14.06925 | 24.58075 | 49.51805 | 15.54295 | 23.80705 | 40.83342 | 6.85832 | 22.95168 | 44.29493 | 10.31983 | 55.89017 |
| 12/2/2024 | 6:00:00 AM | 33.98179 | 60.11927 | 26.13748 | 21.59252 | 48.05777 | 14.07598 | 24.57402 | 49.53231 | 15.55052 | 23.79948 | 40.84773 | 6.86594 | 22.94406 | 44.31638 | 10.33459 | 55.87541 |
| 12/2/2024 | 7:00:00 AM | 33.99182 | 60.13355 | 26.14173 | 21.58827 | 48.07789 | 14.08607 | 24.56393 | 49.543 | 15.55118 | 23.79882 | 40.85488 | 6.86306 | 22.94694 | 44.3271 | 10.33528 | 55.87472 |
| 12/2/2024 | 8:00:00 AM | 34.0052 | 60.13355 | 26.12835 | 21.60165 | 48.07454 | 14.06934 | 24.58066 | 49.55013 | 15.54493 | 23.80507 | 40.84773 | 6.84253 | 22.96747 | 44.33067 | 10.32547 | 55.88453 |
| 12/2/2024 | 9:00:00 AM | 34.01523 | 60.12998 | 26.11475 | 21.61525 | 48.07454 | 14.05931 | 24.59069 | 49.53587 | 15.52064 | 23.82936 | 40.84057 | 6.82534 | 22.98466 | 44.31638 | 10.30115 | 55.90885 |
| 12/2/2024 | 10:00:00 AM | 34.0286 | 60.13355 | 26.10495 | 21.62505 | 48.0846 | 14.056 | 24.594 | 49.543 | 15.5144 | 23.8356 | 40.85131 | 6.82271 | 22.98729 | 44.31638 | 10.28778 | 55.92222 |
| 12/2/2024 | 11:00:00 AM | 34.03864 | 60.13355 | 26.09491 | 21.63509 | 48.07454 | 14.0359 | 24.6141 | 49.54657 | 15.50793 | 23.84207 | 40.84773 | 6.80909 | 23.00091 | 44.31995 | 10.28131 | 55.92869 |
| 12/2/2024 | 12:00:00 PM | 34.04198 | 60.12641 | 26.08443 | 21.64557 | 48.06448 | 14.0225 | 24.6275 | 49.53231 | 15.49033 | 23.85967 | 40.84415 | 6.80217 | 23.00783 | 44.30565 | 10.26367 | 55.94633 |
| 12/2/2024 | 1:00:00 PM | 34.03864 | 60.11212 | 26.07348 | 21.65652 | 48.05106 | 14.01242 | 24.63758 | 49.52161 | 15.48297 | 23.86703 | 40.84773 | 6.80909 | 23.00091 | 44.29493 | 10.25629 | 55.95371 |
| 12/2/2024 | 2:00:00 PM | 34.02526 | 60.12998 | 26.10472 | 21.62528 | 48.06112 | 14.03586 | 24.61414 | 49.53231 | 15.50705 | 23.84295 | 40.85488 | 6.82962 | 22.98038 | 44.30208 | 10.27682 | 55.93318 |
| 12/2/2024 | 3:00:00 PM | 34.01857 | 60.12641 | 26.10784 | 21.62216 | 48.06112 | 14.04255 | 24.60745 | 49.52874 | 15.51017 | 23.83983 | 40.85846 | 6.83989 | 22.97011 | 44.29851 | 10.27994 | 55.93006 |
| 12/2/2024 | 4:00:00 PM | 34.01523 | 60.13355 | 26.11832 | 21.61168 | 48.07454 | 14.05931 | 24.59069 | 49.53944 | 15.52421 | 23.82579 | 40.86562 | 6.85039 | 22.95961 | 44.30923 | 10.294 | 55.916 |
| 12/2/2024 | 5:00:00 PM | 34.01523 | 60.12998 | 26.11475 | 21.61525 | 48.07789 | 14.06266 | 24.58734 | 49.53587 | 15.52064 | 23.82936 | 40.86204 | 6.84681 | 22.96319 | 44.29851 | 10.28328 | 55.92672 |
| 12/2/2024 | 6:00:00 PM | 34.02526 | 60.14426 | 26.119 | 21.611 | 48.08795 | 14.06269 | 24.58731 | 49.53944 | 15.51418 | 23.83582 | 40.86204 | 6.83678 | 22.97322 | 44.30923 | 10.28397 | 55.92603 |
| 12/2/2024 | 7:00:00 PM | 34.02192 | 60.14783 | 26.12591 | 21.60409 | 48.0846 | 14.06268 | 24.58732 | 49.53944 | 15.51752 | 23.83248 | 40.87277 | 6.85085 | 22.95915 | 44.30923 | 10.28731 | 55.92269 |
| 12/2/2024 | 8:00:00 PM | 34.03195 | 60.14426 | 26.11231 | 21.61769 | 48.0846 | 14.05265 | 24.59735 | 49.53231 | 15.50036 | 23.84964 | 40.86919 | 6.83724 | 22.97276 | 44.30565 | 10.2737 | 55.9363 |
| 12/2/2024 | 9:00:00 PM | 34.03864 | 60.14426 | 26.10562 | 21.62438 | 48.0846 | 14.04596 | 24.60404 | 49.543 | 15.50436 | 23.84564 | 40.87277 | 6.83413 | 22.97587 | 44.30565 | 10.26701 | 55.94299 |
| 12/2/2024 | 10:00:00 PM | 34.04198 | 60.1514 | 26.10942 | 21.62058 | 48.09466 | 14.05268 | 24.59732 | 49.53231 | 15.49033 | 23.85967 | 40.87635 | 6.83437 | 22.97563 | 44.3128 | 10.27082 | 55.93918 |
| 12/2/2024 | 11:00:00 PM | 34.05536 | 60.15497 | 26.09961 | 21.63039 | 48.09801 | 14.04265 | 24.60735 | 49.55013 | 15.49477 | 23.85523 | 40.87993 | 6.82457 | 22.98543 | 44.31995 | 10.26459 | 55.94541 |
| 12/3/2024 | 12:00:00 AM | 34.0587 | 60.1514 | 26.0927 | 21.6373 | 48.09131 | 14.03261 | 24.61739 | 49.53587 | 15.47717 | 23.87283 | 40.87993 | 6.82123 | 22.98877 | 44.3128 | 10.2541 | 55.9559 |
| 12/3/2024 | 1:00:00 AM | 34.05201 | 60.14069 | 26.08868 | 21.64132 | 48.07789 | 14.02588 | 24.62412 | 49.53231 | 15.4803 | 23.8697 | 40.87277 | 6.82076 | 22.98924 | 44.29493 | 10.24292 | 55.96708 |
| 12/3/2024 | 2:00:00 AM | 34.04867 | 60.14069 | 26.09202 | 21.63798 | 48.08124 | 14.03257 | 24.61743 | 49.52874 | 15.48007 | 23.86993 | 40.87635 | 6.82768 | 22.98232 | 44.29136 | 10.24269 | 55.96731 |
| 12/3/2024 | 3:00:00 AM | 34.04867 | 60.15497 | 26.1063 | 21.6237 | 48.08795 | 14.03928 | 24.61072 | 49.53231 | 15.48364 | 23.86636 | 40.87993 | 6.83126 | 22.97874 | 44.29493 | 10.24626 | 55.96374 |
| 12/3/2024 | 4:00:00 AM | 34.04867 | 60.14069 | 26.09202 | 21.63798 | 48.07118 | 14.02251 | 24.62749 | 49.52161 | 15.47294 | 23.87706 | 40.87635 | 6.82768 | 22.98232 | 44.28778 | 10.23911 | 55.97089 |
| 12/3/2024 | 5:00:00 AM | 34.04198 | 60.14426 | 26.10228 | 21.62772 | 48.0846 | 14.04262 | 24.60738 | 49.51805 | 15.47607 | 23.87393 | 40.88351 | 6.84153 | 22.96847 | 44.29851 | 10.25653 | 55.95347 |
| 12/3/2024 | 6:00:00 AM | 34.03864 | 60.13355 | 26.09491 | 21.63509 | 48.07118 | 14.03254 | 24.61746 | 49.51805 | 15.47941 | 23.87059 | 40.87993 | 6.84129 | 22.96871 | 44.30208 | 10.26344 | 55.94656 |
| 12/3/2024 | 7:00:00 AM | 34.03864 | 60.14783 | 26.10919 | 21.62081 | 48.06783 | 14.02919 | 24.62081 | 49.50735 | 15.46871 | 23.88129 | 40.87993 | 6.84129 | 22.96871 | 44.30208 | 10.26344 | 55.94656 |
| 12/3/2024 | 8:00:00 AM | 34.04198 | 60.1514 | 26.10942 | 21.62058 | 48.07454 | 14.03256 | 24.61744 | 49.52161 | 15.47963 | 23.87037 | 40.88708 | 6.8451 | 22.9649 | 44.30923 | 10.26725 | 55.94275 |
| 12/3/2024 | 9:00:00 AM | 34.04532 | 60.13355 | 26.08823 | 21.64177 | 48.07118 | 14.02586 | 24.62414 | 49.51805 | 15.47273 | 23.87727 | 40.87993 | 6.83461 | 22.97539 | 44.30208 | 10.25676 | 55.95324 |
| 12/3/2024 | 10:00:00 AM | 34.04867 | 60.14426 | 26.09559 | 21.63441 | 48.07454 | 14.02587 | 24.62413 | 49.51805 | 15.46938 | 23.88062 | 40.88708 | 6.83841 | 22.97159 | 44.30923 | 10.26056 | 55.94944 |
| 12/3/2024 | 11:00:00 AM | 34.05201 | 60.14426 | 26.09225 | 21.63775 | 48.07454 | 14.02253 | 24.62747 | 49.51805 | 15.46604 | 23.88396 | 40.88708 | 6.83507 | 22.97493 | 44.3128 | 10.26079 | 55.94921 |
| 12/3/2024 | 12:00:00 PM | 34.03864 | 60.12998 | 26.09134 | 21.63866 | 48.05441 | 14.01577 | 24.63423 | 49.50378 | 15.46514 | 23.88486 | 40.87635 | 6.83771 | 22.97229 | 44.28421 | 10.24557 | 55.96443 |
| 12/3/2024 | 1:00:00 PM | 34.0286 | 60.12284 | 26.09424 | 21.63576 | 48.04435 | 14.01575 | 24.63425 | 49.49309 | 15.46449 | 23.88551 | 40.87993 | 6.85133 | 22.95867 | 44.28778 | 10.25918 | 55.95082 |
| 12/3/2024 | 2:00:00 PM | 34.01857 | 60.11927 | 26.1007 | 21.6293 | 48.03764 | 14.01907 | 24.63093 | 49.48596 | 15.46739 | 23.88261 | 40.88351 | 6.86494 | 22.94506 | 44.27706 | 10.25849 | 55.95151 |
| 12/3/2024 | 3:00:00 PM | 34.01188 | 60.11927 | 26.10739 | 21.62261 | 48.04435 | 14.03247 | 24.61753 | 49.48596 | 15.47408 | 23.87592 | 40.89066 | 6.87878 | 22.93122 | 44.28064 | 10.26876 | 55.94124 |
| 12/3/2024 | 4:00:00 PM | 34.01188 | 60.11927 | 26.10739 | 21.62261 | 48.04435 | 14.03247 | 24.61753 | 49.48596 | 15.47408 | 23.87592 | 40.89066 | 6.87878 | 22.93122 | 44.29136 | 10.27948 | 55.93052 |
| 12/3/2024 | 5:00:00 PM | 34.01857 | 60.12641 | 26.10784 | 21.62216 | 48.04435 | 14.02578 | 24.62422 | 49.49309 | 15.47452 | 23.87548 | 40.89424 | 6.87567 | 22.93433 | 44.29136 | 10.27279 | 55.93721 |
| 12/3/2024 | 6:00:00 PM | 34.00854 | 60.12284 | 26.1143 | 21.6157 | 48.041 | 14.03246 | 24.61754 | 49.48596 | 15.47742 | 23.87258 | 40.88708 | 6.87854 | 22.93146 | 44.29851 | 10.28997 | 55.92003 |
| 12/3/2024 | 7:00:00 PM | 34.01188 | 60.12641 | 26.11453 | 21.61547 | 48.04435 | 14.03247 | 24.61753 | 49.48596 | 15.47408 | 23.87592 | 40.89066 | 6.87878 | 22.93122 | 44.29136 | 10.27948 | 55.93052 |
| 12/3/2024 | 8:00:00 PM | 34.01857 | 60.12998 | 26.11141 | 21.61859 | 48.041 | 14.02243 | 24.62757 | 49.4717 | 15.45313 | 23.89687 | 40.88708 | 6.86851 | 22.94149 | 44.29493 | 10.27636 | 55.93364 |
| 12/3/2024 | 9:00:00 PM | 34.01857 | 60.13712 | 26.11855 | 21.61145 | 48.05777 | 14.0392 | 24.6108 | 49.49309 | 15.47452 | 23.87548 | 40.89424 | 6.87567 | 22.93433 | 44.30208 | 10.28351 | 55.92649 |
| 12/3/2024 | 10:00:00 PM | 34.0286 | 60.12998 | 26.10138 | 21.62862 | 48.05777 | 14.02917 | 24.62083 | 49.48596 | 15.45736 | 23.89264 | 40.89424 | 6.86564 | 22.94436 | 44.30565 | 10.27705 | 55.93295 |
| 12/3/2024 | 11:00:00 PM | 34.0286 | 60.12641 | 26.09781 | 21.63219 | 48.05777 | 14.02917 | 24.62083 | 49.49309 | 15.46449 | 23.88551 | 40.89782 | 6.86922 | 22.94078 | 44.30923 | 10.28063 | 55.92937 |
| 12/4/2024 | 12:00:00 AM | 34.03195 | 60.12998 | 26.09803 | 21.63197 | 48.05441 | 14.02246 | 24.62754 | 49.48952 | 15.45757 | 23.89243 | 40.88708 | 6.85513 | 22.95487 | 44.29851 | 10.26656 | 55.94344 |
| 12/4/2024 | 1:00:00 AM | 34.02192 | 60.12641 | 26.10449 | 21.62551 | 48.041 | 14.01908 | 24.63092 | 49.47526 | 15.45334 | 23.89666 | 40.88708 | 6.86516 | 22.94484 | 44.28421 | 10.26229 | 55.94771 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/4/2024 | 2:00:00 AM | 34.02192 | 60.1157 | 26.09378 | 21.63622 | 48.04435 | 14.02243 | 24.62757 | 49.4717 | 15.44978 | 23.90022 | 40.89066 | 6.86874 | 22.94126 | 44.27706 | 10.25514 | 55.95486 |
| 12/4/2024 | 3:00:00 AM | 34.02192 | 60.11212 | 26.0902 | 21.6398 | 48.03429 | 14.01237 | 24.63763 | 49.461 | 15.43908 | 23.91092 | 40.88708 | 6.86516 | 22.94484 | 44.27706 | 10.25514 | 55.95486 |
| 12/4/2024 | 4:00:00 AM | 34.00854 | 60.10498 | 26.09644 | 21.63356 | 48.02423 | 14.01569 | 24.63431 | 49.45031 | 15.44177 | 23.90823 | 40.88351 | 6.87497 | 22.93503 | 44.27706 | 10.26852 | 55.94148 |
| 12/4/2024 | 5:00:00 AM | 34.0052 | 60.10855 | 26.10335 | 21.62665 | 48.02423 | 14.01903 | 24.63097 | 49.45031 | 15.44511 | 23.90489 | 40.88351 | 6.87831 | 22.93169 | 44.26992 | 10.26472 | 55.94528 |
| 12/4/2024 | 6:00:00 AM | 34.0052 | 60.11212 | 26.10692 | 21.62308 | 48.02423 | 14.01903 | 24.63097 | 49.45031 | 15.44511 | 23.90489 | 40.88351 | 6.87831 | 22.93169 | 44.27706 | 10.27186 | 55.93814 |
| 12/4/2024 | 7:00:00 AM | 33.99516 | 60.10141 | 26.10625 | 21.62375 | 48.01081 | 14.01565 | 24.63435 | 49.43604 | 15.44088 | 23.90912 | 40.87993 | 6.88477 | 22.92523 | 44.27706 | 10.2819 | 55.9281 |
| 12/4/2024 | 8:00:00 AM | 33.99182 | 60.09427 | 26.10245 | 21.62755 | 48.02088 | 14.02906 | 24.62094 | 49.43604 | 15.44422 | 23.90578 | 40.87635 | 6.88453 | 22.92547 | 44.28064 | 10.28882 | 55.92118 |
| 12/4/2024 | 9:00:00 AM | 33.99516 | 60.10855 | 26.11339 | 21.61661 | 48.01417 | 14.01901 | 24.63099 | 49.43248 | 15.43732 | 23.91268 | 40.87635 | 6.88119 | 22.92881 | 44.27706 | 10.2819 | 55.9281 |
| 12/4/2024 | 10:00:00 AM | 33.99182 | 60.0907 | 26.09888 | 21.63112 | 48.00746 | 14.01564 | 24.63436 | 49.42891 | 15.43709 | 23.91291 | 40.87993 | 6.88811 | 22.92189 | 44.27349 | 10.28167 | 55.92833 |
| 12/4/2024 | 11:00:00 AM | 33.99851 | 60.08356 | 26.08505 | 21.64495 | 47.9974 | 13.99889 | 24.65111 | 49.41465 | 15.41614 | 23.93386 | 40.86919 | 6.87068 | 22.93932 | 44.26992 | 10.27141 | 55.93859 |
| 12/4/2024 | 12:00:00 PM | 34.00185 | 60.06927 | 26.06742 | 21.66258 | 47.98734 | 13.98549 | 24.66451 | 49.39326 | 15.39141 | 23.95859 | 40.86562 | 6.86377 | 22.94623 | 44.25919 | 10.25734 | 55.95266 |
| 12/4/2024 | 1:00:00 PM | 33.98513 | 60.0657 | 26.08057 | 21.64943 | 47.98063 | 13.9955 | 24.6545 | 49.40039 | 15.41526 | 23.93474 | 40.86562 | 6.88049 | 22.92951 | 44.26634 | 10.28121 | 55.92879 |
| 12/4/2024 | 2:00:00 PM | 33.96172 | 60.06927 | 26.10755 | 21.62245 | 47.97727 | 14.01555 | 24.63445 | 49.39326 | 15.43154 | 23.91846 | 40.86919 | 6.90747 | 22.90253 | 44.26277 | 10.30105 | 55.90895 |
| 12/4/2024 | 3:00:00 PM | 33.94166 | 60.04428 | 26.10262 | 21.62738 | 47.95044 | 14.00878 | 24.64122 | 49.36474 | 15.42308 | 23.92692 | 40.84773 | 6.90607 | 22.90393 | 44.24132 | 10.29966 | 55.91034 |
| 12/4/2024 | 4:00:00 PM | 33.9216 | 60.02999 | 26.10839 | 21.62161 | 47.93032 | 14.00872 | 24.64128 | 49.33978 | 15.41818 | 23.93182 | 40.83699 | 6.91539 | 22.89461 | 44.22703 | 10.30543 | 55.90457 |
| 12/4/2024 | 5:00:00 PM | 33.89484 | 60.02999 | 26.13515 | 21.59485 | 47.91355 | 14.01871 | 24.63129 | 49.33265 | 15.43781 | 23.91219 | 40.84057 | 6.94573 | 22.86427 | 44.23418 | 10.33934 | 55.87066 |
| 12/4/2024 | 6:00:00 PM | 33.88481 | 60.01214 | 26.12733 | 21.60267 | 47.90684 | 14.02203 | 24.62797 | 49.31126 | 15.42645 | 23.92355 | 40.82984 | 6.94503 | 22.86497 | 44.22345 | 10.33864 | 55.87136 |
| 12/4/2024 | 7:00:00 PM | 33.88481 | 60.02642 | 26.14161 | 21.58839 | 47.9169 | 14.03209 | 24.61791 | 49.32909 | 15.44428 | 23.90572 | 40.84415 | 6.95934 | 22.85066 | 44.24132 | 10.35651 | 55.85349 |
| 12/4/2024 | 8:00:00 PM | 33.91156 | 60.05142 | 26.13986 | 21.59014 | 47.94374 | 14.03218 | 24.61782 | 49.35761 | 15.44605 | 23.90395 | 40.85846 | 6.9469 | 22.8631 | 44.28064 | 10.36908 | 55.84092 |
| 12/4/2024 | 9:00:00 PM | 33.93163 | 60.06213 | 26.1305 | 21.5995 | 47.96721 | 14.03558 | 24.61442 | 49.38613 | 15.4545 | 23.8955 | 40.87277 | 6.94114 | 22.86886 | 44.30208 | 10.37045 | 55.83955 |
| 12/4/2024 | 10:00:00 PM | 33.93832 | 60.06213 | 26.12381 | 21.60619 | 47.96051 | 14.02219 | 24.62781 | 49.37543 | 15.43711 | 23.91289 | 40.84773 | 6.90941 | 22.90059 | 44.28778 | 10.34946 | 55.86054 |
| 12/4/2024 | 11:00:00 PM | 33.92494 | 60.04428 | 26.11934 | 21.61066 | 47.93703 | 14.01209 | 24.63791 | 49.35404 | 15.4291 | 23.9209 | 40.82984 | 6.9049 | 22.9051 | 44.26277 | 10.33783 | 55.87217 |
| 12/5/2024 | 12:00:00 AM | 33.93497 | 60.06927 | 26.1343 | 21.5957 | 47.96721 | 14.03224 | 24.61776 | 49.37187 | 15.4369 | 23.9131 | 40.86204 | 6.92707 | 22.88293 | 44.28778 | 10.35281 | 55.85719 |
| 12/5/2024 | 1:00:00 AM | 33.95169 | 60.06213 | 26.11044 | 21.61956 | 47.97057 | 14.01888 | 24.63112 | 49.37543 | 15.42374 | 23.92626 | 40.85846 | 6.90677 | 22.90323 | 44.28778 | 10.33609 | 55.87391 |
| 12/5/2024 | 2:00:00 AM | 33.94835 | 60.05142 | 26.10307 | 21.62693 | 47.95715 | 14.0088 | 24.6412 | 49.35404 | 15.40569 | 23.94431 | 40.84057 | 6.89222 | 22.91778 | 44.26992 | 10.32157 | 55.88843 |
| 12/5/2024 | 3:00:00 AM | 33.96841 | 60.06213 | 26.09372 | 21.63628 | 47.98063 | 14.01222 | 24.63778 | 49.38257 | 15.41416 | 23.93584 | 40.84773 | 6.87932 | 22.93068 | 44.29136 | 10.32295 | 55.88705 |
| 12/5/2024 | 4:00:00 AM | 33.97176 | 60.06927 | 26.09751 | 21.63249 | 47.98063 | 14.00887 | 24.64113 | 49.38257 | 15.41081 | 23.93919 | 40.85131 | 6.87955 | 22.93045 | 44.28778 | 10.31602 | 55.89398 |
| 12/5/2024 | 5:00:00 AM | 33.97176 | 60.06213 | 26.09037 | 21.63963 | 47.97727 | 14.00551 | 24.64449 | 49.379 | 15.40724 | 23.94276 | 40.84415 | 6.87239 | 22.93761 | 44.27706 | 10.3053 | 55.9047 |
| 12/5/2024 | 6:00:00 AM | 33.98848 | 60.08356 | 26.09508 | 21.63492 | 47.99069 | 14.00221 | 24.64779 | 49.3897 | 15.40122 | 23.94878 | 40.85846 | 6.86998 | 22.94002 | 44.29493 | 10.30645 | 55.90355 |
| 12/5/2024 | 7:00:00 AM | 33.98513 | 60.08356 | 26.09843 | 21.63157 | 48.00075 | 14.01562 | 24.63438 | 49.3897 | 15.40457 | 23.94543 | 40.85846 | 6.87333 | 22.93667 | 44.30208 | 10.31695 | 55.89305 |
| 12/5/2024 | 8:00:00 AM | 34.01188 | 60.11212 | 26.10024 | 21.62976 | 48.03764 | 14.02576 | 24.62424 | 49.42891 | 15.41703 | 23.93297 | 40.87993 | 6.86805 | 22.94195 | 44.32352 | 10.31164 | 55.89836 |
| 12/5/2024 | 9:00:00 AM | 34.04198 | 60.1157 | 26.07372 | 21.65628 | 48.05106 | 14.00908 | 24.64092 | 49.44674 | 15.40476 | 23.94524 | 40.87993 | 6.83795 | 22.97205 | 44.33425 | 10.29227 | 55.91773 |
| 12/5/2024 | 10:00:00 AM | 34.05536 | 60.13355 | 26.07819 | 21.65181 | 48.07454 | 14.01918 | 24.63082 | 49.45744 | 15.40208 | 23.94792 | 40.87993 | 6.82457 | 22.98543 | 44.33782 | 10.28246 | 55.92754 |
| 12/5/2024 | 11:00:00 AM | 34.06539 | 60.10855 | 26.04316 | 21.68684 | 48.04771 | 13.98232 | 24.66768 | 49.43961 | 15.37422 | 23.97578 | 40.85488 | 6.78949 | 23.02051 | 44.29851 | 10.23312 | 55.97688 |
| 12/5/2024 | 12:00:00 PM | 34.05536 | 60.08713 | 26.03177 | 21.69823 | 48.02758 | 13.97222 | 24.67778 | 49.40752 | 15.35216 | 23.99784 | 40.85131 | 6.79595 | 23.01405 | 44.27706 | 10.2217 | 55.9883 |
| 12/5/2024 | 1:00:00 PM | 34.02526 | 60.07642 | 26.05116 | 21.67884 | 48.00411 | 13.97885 | 24.67115 | 49.3897 | 15.36444 | 23.98556 | 40.84773 | 6.82247 | 22.98753 | 44.26277 | 10.23751 | 55.97249 |
| 12/5/2024 | 2:00:00 PM | 34.01523 | 60.09427 | 26.07904 | 21.65096 | 48.01752 | 14.00229 | 24.64771 | 49.40039 | 15.38516 | 23.96484 | 40.86562 | 6.85039 | 22.95961 | 44.28421 | 10.26898 | 55.94102 |
| 12/5/2024 | 3:00:00 PM | 34.02526 | 60.10141 | 26.07615 | 21.65385 | 48.03094 | 14.00568 | 24.64432 | 49.41465 | 15.38939 | 23.96061 | 40.87993 | 6.85467 | 22.95533 | 44.30208 | 10.27682 | 55.93318 |
| 12/5/2024 | 4:00:00 PM | 34.00854 | 60.08356 | 26.07502 | 21.65498 | 48.01752 | 14.00898 | 24.64102 | 49.39326 | 15.38472 | 23.96528 | 40.86562 | 6.85708 | 22.95292 | 44.27349 | 10.26495 | 55.94505 |
| 12/5/2024 | 5:00:00 PM | 34.02526 | 60.10498 | 26.07972 | 21.65028 | 48.03094 | 14.00568 | 24.64432 | 49.40039 | 15.37513 | 23.97487 | 40.87277 | 6.84751 | 22.96249 | 44.28778 | 10.26252 | 55.94748 |
| 12/5/2024 | 6:00:00 PM | 34.03864 | 60.11927 | 26.08063 | 21.64937 | 48.05106 | 14.01242 | 24.63758 | 49.42891 | 15.39027 | 23.95973 | 40.88708 | 6.84844 | 22.96156 | 44.30923 | 10.27059 | 55.93941 |
| 12/5/2024 | 7:00:00 PM | 34.03529 | 60.10498 | 26.06969 | 21.66031 | 48.041 | 14.00571 | 24.64429 | 49.41465 | 15.37936 | 23.97064 | 40.87277 | 6.83748 | 22.97252 | 44.28778 | 10.25249 | 55.95751 |
| 12/5/2024 | 8:00:00 PM | 34.05536 | 60.14426 | 26.0889 | 21.6411 | 48.07454 | 14.01918 | 24.63082 | 49.44674 | 15.39138 | 23.95862 | 40.90139 | 6.84603 | 22.96397 | 44.3271 | 10.27174 | 55.93826 |
| 12/5/2024 | 9:00:00 PM | 34.07208 | 60.14069 | 26.06861 | 21.66139 | 48.06783 | 13.99575 | 24.65425 | 49.43604 | 15.36396 | 23.98604 | 40.88708 | 6.815 | 22.995 | 44.31638 | 10.2443 | 55.9657 |
| 12/5/2024 | 10:00:00 PM | 34.06204 | 60.11212 | 26.05008 | 21.67992 | 48.05106 | 13.98902 | 24.66098 | 49.42535 | 15.36331 | 23.98669 | 40.86919 | 6.80715 | 23.00285 | 44.28778 | 10.22574 | 55.98426 |
| 12/5/2024 | 11:00:00 PM | 34.04198 | 60.09427 | 26.05229 | 21.67771 | 48.02758 | 13.9856 | 24.6644 | 49.39326 | 15.35128 | 23.99872 | 40.86204 | 6.82006 | 22.98994 | 44.25562 | 10.21364 | 55.99636 |
| 12/6/2024 | 12:00:00 AM | 34.03529 | 60.09784 | 26.06255 | 21.66745 | 48.02758 | 13.99229 | 24.65771 | 49.40039 | 15.3651 | 23.9849 | 40.87635 | 6.84106 | 22.96894 | 44.26992 | 10.23463 | 55.97537 |
| 12/6/2024 | 1:00:00 AM | 34.05201 | 60.12641 | 26.0744 | 21.6556 | 48.05106 | 13.99905 | 24.65095 | 49.42178 | 15.36977 | 23.98023 | 40.90139 | 6.84938 | 22.96062 | 44.29136 | 10.23935 | 55.97065 |
| 12/6/2024 | 2:00:00 AM | 34.04532 | 60.10498 | 26.05966 | 21.67034 | 48.041 | 13.99568 | 24.65432 | 49.41109 | 15.36577 | 23.98423 | 40.88351 | 6.83819 | 22.97181 | 44.28778 | 10.24246 | 55.96754 |
| 12/6/2024 | 3:00:00 AM | 34.03864 | 60.10141 | 26.06277 | 21.66723 | 48.03094 | 13.9923 | 24.6577 | 49.39683 | 15.35819 | 23.99181 | 40.87993 | 6.84129 | 22.96871 | 44.26992 | 10.23128 | 55.97872 |
| 12/6/2024 | 4:00:00 AM | 34.05201 | 60.12998 | 26.07797 | 21.65203 | 48.05441 | 14.0024 | 24.6476 | 49.41465 | 15.36264 | 23.98736 | 40.89066 | 6.83865 | 22.97135 | 44.28421 | 10.2322 | 55.9778 |
| 12/6/2024 | 5:00:00 AM | 34.04867 | 60.10855 | 26.05988 | 21.67012 | 48.03764 | 13.98897 | 24.66103 | 49.39683 | 15.34816 | 24.00184 | 40.88351 | 6.83484 | 22.97516 | 44.26992 | 10.22125 | 55.98875 |
| 12/6/2024 | 6:00:00 AM | 34.02192 | 60.09427 | 26.07235 | 21.65765 | 48.01417 | 13.99225 | 24.65775 | 49.3683 | 15.34638 | 24.00362 | 40.87635 | 6.85443 | 22.95557 | 44.24847 | 10.22655 | 55.98345 |
| 12/6/2024 | 7:00:00 AM | 34.0052 | 60.07999 | 26.07479 | 21.65521 | 48.00075 | 13.99555 | 24.65445 | 49.35404 | 15.34884 | 24.00116 | 40.86919 | 6.86399 | 22.94601 | 44.24132 | 10.23612 | 55.97388 |
| 12/6/2024 | 8:00:00 AM | 33.99182 | 60.05142 | 26.0596 | 21.6704 | 47.97057 | 13.97875 | 24.67125 | 49.32909 | 15.33727 | 24.01273 | 40.85131 | 6.85949 | 22.95051 | 44.2306 | 10.23878 | 55.97122 |
| 12/6/2024 | 9:00:00 AM | 33.98513 | 60.07642 | 26.09129 | 21.63871 | 47.98398 | 13.99885 | 24.65115 | 49.33622 | 15.35109 | 23.99891 | 40.87993 | 6.8948 | 22.9152 | 44.24847 | 10.26334 | 55.94666 |
| 12/6/2024 | 10:00:00 AM | 33.97844 | 60.06213 | 26.08369 | 21.64631 | 47.96721 | 13.98877 | 24.66123 | 49.32552 | 15.34708 | 24.00292 | 40.87635 | 6.89791 | 22.91209 | 44.24132 | 10.26288 | 55.94712 |
| 12/6/2024 | 11:00:00 AM | 33.94835 | 60.02999 | 26.08164 | 21.64836 | 47.92697 | 13.97862 | 24.67138 | 49.29343 | 15.34508 | 24.00492 | 40.84057 | 6.89222 | 22.91778 | 44.21988 | 10.27153 | 55.93847 |
| 12/6/2024 | 12:00:00 PM | 33.92828 | 60.01928 | 26.091 | 21.639 | 47.91355 | 13.98527 | 24.66473 | 49.27917 | 15.35089 | 23.99911 | 40.83699 | 6.90871 | 22.90129 | 44.21273 | 10.28445 | 55.92555 |
| 12/6/2024 | 1:00:00 PM | 33.91491 | 59.99429 | 26.07938 | 21.65062 | 47.88672 | 13.97181 | 24.67819 | 49.24709 | 15.33218 | 24.01782 | 40.82268 | 6.90777 | 22.90223 | 44.20201 | 10.2871 | 55.9229 |
| 12/6/2024 | 2:00:00 PM | 33.87144 | 59.97643 | 26.10499 | 21.62501 | 47.85989 | 13.98845 | 24.66155 | 49.22926 | 15.35782 | 23.99218 | 40.81553 | 6.94409 | 22.86591 | 44.18772 | 10.31628 | 55.89372 |
| 12/6/2024 | 3:00:00 PM | 33.84803 | 59.96572 | 26.11769 | 21.61231 | 47.83977 | 13.99174 | 24.65826 | 49.2043 | 15.35627 | 23.99373 | 40.80479 | 6.95676 | 22.85324 | 44.18772 | 10.33969 | 55.87031 |
| 12/6/2024 | 4:00:00 PM | 33.83131 | 59.95143 | 26.12012 | 21.60988 | 47.82635 | 13.99504 | 24.65496 | 49.18291 | 15.3516 | 23.9984 | 40.80479 | 6.97348 | 22.83652 | 44.19129 | 10.35998 | 55.85002 |
| 12/6/2024 | 5:00:00 PM | 33.82128 | 59.94429 | 26.12301 | 21.60699 | 47.81293 | 13.99165 | 24.65835 | 49.17935 | 15.35807 | 23.99193 | 40.79764 | 6.97636 | 22.83364 | 44.18772 | 10.36644 | 55.84356 |
| 12/6/2024 | 6:00:00 PM | 33.78449 | 59.91573 | 26.13124 | 21.59876 | 47.77604 | 13.99155 | 24.65845 | 49.14726 | 15.36277 | 23.98723 | 40.78333 | 6.99884 | 22.81116 | 44.17699 | 10.3925 | 55.8175 |
| 12/6/2024 | 7:00:00 PM | 33.76443 | 59.88716 | 26.12273 | 21.60727 | 47.74921 | 13.98478 | 24.66522 | 49.11517 | 15.35074 | 23.99926 | 40.76186 | 6.99743 | 22.81257 | 44.15555 | 10.39112 | 55.81888 |
| 12/6/2024 | 8:00:00 PM | 33.73433 | 59.85859 | 26.12426 | 21.60574 | 47.71232 | 13.97799 | 24.67201 | 49.08308 | 15.34875 | 24.00125 | 40.74755 | 7.01322 | 22.79678 | 44.13411 | 10.39978 | 55.81022 |
| 12/6/2024 | 9:00:00 PM | 33.71761 | 59.85145 | 26.13384 | 21.59616 | 47.70561 | 13.988 | 24.662 | 49.06882 | 15.35121 | 23.99879 | 40.74397 | 7.02636 | 22.78364 | 44.14126 | 10.42365 | 55.78635 |
| 12/6/2024 | 10:00:00 PM | 33.70089 | 59.84788 | 26.14699 | 21.58301 | 47.69219 | 13.9913 | 24.6587 | 49.05813 | 15.35724 | 23.99276 | 40.73682 | 7.03593 | 22.77407 | 44.14126 | 10.44037 | 55.76963 |
| 12/6/2024 | 11:00:00 PM | 33.67748 | 59.81931 | 26.14183 | 21.58817 | 47.66536 | 13.98788 | 24.66212 | 49.03673 | 15.35925 | 23.99075 | 40.72608 | 7.0486 | 22.7614 | 44.14126 | 10.46378 | 55.74622 |
| 12/7/2024 | 12:00:00 AM | 33.67748 | 59.82645 | 26.14897 | 21.58103 | 47.67543 | 13.99795 | 24.65205 | 49.04386 | 15.36638 | 23.98362 | 40.7225 | 7.04502 | 22.76498 | 44.15198 | 10.4745 | 55.7355 |
| 12/7/2024 | 1:00:00 AM | 33.66076 | 59.79789 | 26.13713 | 21.59287 | 47.64189 | 13.98113 | 24.66887 | 49.01891 | 15.35815 | 23.99185 | 40.70104 | 7.04028 | 22.76972 | 44.14483 | 10.48407 | 55.72593 |
| 12/7/2024 | 2:00:00 AM | 33.65073 | 59.81574 | 26.16501 | 21.56499 | 47.65195 | 14.00122 | 24.64878 | 49.02247 | 15.37174 | 23.97826 | 40.71535 | 7.06462 | 22.74538 | 44.15912 | 10.50839 | 55.70161 |
| 12/7/2024 | 3:00:00 AM | 33.65073 | 59.81931 | 26.16858 | 21.56142 | 47.65866 | 14.00793 | 24.64207 | 49.02604 | 15.37531 | 23.97469 | 40.70819 | 7.05746 | 22.75254 | 44.17699 | 10.52626 | 55.68374 |
| 12/7/2024 | 4:00:00 AM | 33.63736 | 59.80503 | 26.16767 | 21.56233 | 47.65195 | 14.01459 | 24.63541 | 49.01891 | 15.38155 | 23.96845 | 40.69388 | 7.05652 | 22.75348 | 44.17342 | 10.53606 | 55.67394 |
| 12/7/2024 | 5:00:00 AM | 33.63736 | 59.78717 | 26.14981 | 21.58019 | 47.63853 | 14.00117 | 24.64883 | 49.01178 | 15.37442 | 23.97558 | 40.67957 | 7.04221 | 22.76779 | 44.15912 | 10.52176 | 55.68824 |
| 12/7/2024 | 6:00:00 AM | 33.64404 | 59.79432 | 26.15028 | 21.57972 | 47.6553 | 14.01126 | 24.63874 | 49.01534 | 15.3713 | 23.9787 | 40.67957 | 7.03553 | 22.77447 | 44.17342 | 10.52938 | 55.68062 |
| 12/7/2024 | 7:00:00 AM | 33.64739 | 59.80146 | 26.15407 | 21.57593 | 47.6553 | 14.00791 | 24.64209 | 49.02604 | 15.37865 | 23.97135 | 40.67242 | 7.02503 | 22.78497 | 44.18414 | 10.53675 | 55.67325 |
| 12/7/2024 | 8:00:00 AM | 33.65073 | 59.79789 | 26.14716 | 21.58284 | 47.65195 | 14.00122 | 24.64878 | 49.01534 | 15.36461 | 23.98539 | 40.6581 | 7.00737 | 22.80263 | 44.17342 | 10.52269 | 55.68731 |
| 12/7/2024 | 9:00:00 AM | 33.6708 | 59.8336 | 26.1628 | 21.5672 | 47.69555 | 14.02475 | 24.62525 | 49.05456 | 15.38376 | 23.96624 | 40.68315 | 7.01235 | 22.79765 | 44.20916 | 10.53836 | 55.67164 |
| 12/7/2024 | 10:00:00 AM | 33.66745 | 59.8086 | 26.14115 | 21.58885 | 47.67878 | 14.01133 | 24.63867 | 49.02604 | 15.35859 | 23.99141 | 40.65095 | 6.9835 | 22.8265 | 44.19129 | 10.52384 | 55.68616 |
| 12/7/2024 | 11:00:00 AM | 33.67414 | 59.82645 | 26.15231 | 21.57769 | 47.70896 | 14.03482 | 24.61518 | 49.05456 | 15.38042 | 23.96958 | 40.66526 | 6.99112 | 22.81888 | 44.20201 | 10.52787 | 55.68213 |
| 12/7/2024 | 12:00:00 PM | 33.67748 | 59.81931 | 26.14183 | 21.58817 | 47.70561 | 14.02813 | 24.62187 | 49.04743 | 15.36995 | 23.98005 | 40.64022 | 6.96274 | 22.84726 | 44.19844 | 10.52096 | 55.68904 |
| 12/7/2024 | 1:00:00 PM | 33.68083 | 59.81574 | 26.13491 | 21.59509 | 47.72238 | 14.04155 | 24.60845 | 49.05456 | 15.37373 | 23.97627 | 40.64022 | 6.95939 | 22.85061 | 44.18772 | 10.50689 | 55.70311 |
| 12/7/2024 | 2:00:00 PM | 33.69086 | 59.84074 | 26.14988 | 21.58012 | 47.75592 | 14.06506 | 24.58494 | 49.08665 | 15.39579 | 23.95421 | 40.64022 | 6.94936 | 22.86064 | 44.20916 | 10.5183 | 55.6917 |
| 12/7/2024 | 3:00:00 PM | 33.68752 | 59.85145 | 26.16393 | 21.56607 | 47.78946 | 14.10194 | 24.54806 | 49.10804 | 15.42052 | 23.92948 | 40.64022 | 6.9527 | 22.8573 | 44.21988 | 10.53236 | 55.67764 |
| 12/7/2024 | 4:00:00 PM | 33.70424 | 59.87645 | 26.17221 | 21.55779 | 47.84312 | 14.13888 | 24.51112 | 49.14726 | 15.44302 | 23.90698 | 40.6581 | 6.95386 | 22.85614 | 44.2306 | 10.52636 | 55.68364 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/7/2024 | 5:00:00 PM | 33.73099 | 59.91216 | 26.18117 | 21.54883 | 47.92697 | 14.19598 | 24.45402 | 49.21856 | 15.48757 | 23.86243 | 40.69388 | 6.96289 | 22.84711 | 44.27706 | 10.54607 | 55.66393 |
| 12/7/2024 | 6:00:00 PM | 33.7243 | 59.92287 | 26.19857 | 21.53143 | 47.96051 | 14.23621 | 24.41379 | 49.25065 | 15.52635 | 23.82365 | 40.68315 | 6.95885 | 22.85115 | 44.26992 | 10.54562 | 55.66438 |
| 12/7/2024 | 7:00:00 PM | 33.71761 | 59.92287 | 26.20526 | 21.52474 | 47.98734 | 14.26973 | 24.38027 | 49.27561 | 15.558 | 23.792 | 40.66884 | 6.95123 | 22.85877 | 44.25205 | 10.53444 | 55.67556 |
| 12/7/2024 | 8:00:00 PM | 33.72096 | 59.93001 | 26.20905 | 21.52095 | 48.01081 | 14.28985 | 24.36015 | 49.30413 | 15.58317 | 23.76683 | 40.67242 | 6.95146 | 22.85854 | 44.25562 | 10.53466 | 55.67534 |
| 12/7/2024 | 9:00:00 PM | 33.72096 | 59.93001 | 26.20905 | 21.52095 | 48.01081 | 14.28985 | 24.36015 | 49.31126 | 15.5903 | 23.7597 | 40.66884 | 6.94788 | 22.86212 | 44.23775 | 10.51679 | 55.69321 |
| 12/7/2024 | 10:00:00 PM | 33.72096 | 59.93001 | 26.20905 | 21.52095 | 48.02423 | 14.30327 | 24.34673 | 49.33622 | 15.61526 | 23.73474 | 40.67242 | 6.95146 | 22.85854 | 44.2306 | 10.50964 | 55.70036 |
| 12/7/2024 | 11:00:00 PM | 33.71427 | 59.92644 | 26.21217 | 21.51783 | 48.03764 | 14.32337 | 24.32663 | 49.35048 | 15.63621 | 23.71379 | 40.66884 | 6.95457 | 22.85543 | 44.21988 | 10.50561 | 55.70439 |
| 12/8/2024 | 12:00:00 AM | 33.71427 | 59.9193 | 26.20503 | 21.52497 | 48.03094 | 14.31667 | 24.33333 | 49.35761 | 15.64334 | 23.70666 | 40.67242 | 6.95815 | 22.85185 | 44.21988 | 10.50561 | 55.70439 |
| 12/8/2024 | 1:00:00 AM | 33.71761 | 59.91573 | 26.19812 | 21.53188 | 48.03429 | 14.31668 | 24.33332 | 49.3683 | 15.65069 | 23.69931 | 40.66884 | 6.95123 | 22.85877 | 44.20201 | 10.4844 | 55.7256 |
| 12/8/2024 | 2:00:00 AM | 33.71427 | 59.91573 | 26.20146 | 21.52854 | 48.041 | 14.32673 | 24.32327 | 49.38613 | 15.67186 | 23.67814 | 40.67957 | 6.9653 | 22.8447 | 44.20559 | 10.49132 | 55.71868 |
| 12/8/2024 | 3:00:00 AM | 33.73099 | 59.94786 | 26.21687 | 21.51313 | 48.06112 | 14.33013 | 24.31987 | 49.42178 | 15.69079 | 23.65921 | 40.6903 | 6.95931 | 22.85069 | 44.22345 | 10.49246 | 55.71754 |
| 12/8/2024 | 4:00:00 AM | 33.73768 | 59.95143 | 26.21375 | 21.51625 | 48.06448 | 14.3268 | 24.3232 | 49.43604 | 15.69836 | 23.65164 | 40.68315 | 6.94547 | 22.86453 | 44.21988 | 10.4822 | 55.7278 |
| 12/8/2024 | 5:00:00 AM | 33.73099 | 59.93358 | 26.20259 | 21.52741 | 48.05777 | 14.32678 | 24.32322 | 49.43961 | 15.70862 | 23.64138 | 40.68315 | 6.95216 | 22.85784 | 44.20201 | 10.47102 | 55.73898 |
| 12/8/2024 | 6:00:00 AM | 33.73768 | 59.94786 | 26.21018 | 21.51982 | 48.07118 | 14.3335 | 24.3165 | 49.45744 | 15.71976 | 23.63024 | 40.6903 | 6.95262 | 22.85738 | 44.20201 | 10.46433 | 55.74567 |
| 12/8/2024 | 7:00:00 AM | 33.73768 | 59.96572 | 26.22804 | 21.50196 | 48.0846 | 14.34692 | 24.30308 | 49.48239 | 15.74471 | 23.60529 | 40.70819 | 6.97051 | 22.83949 | 44.22345 | 10.48577 | 55.72423 |
| 12/8/2024 | 8:00:00 AM | 33.74436 | 59.97286 | 26.2285 | 21.5015 | 48.09131 | 14.34695 | 24.30305 | 49.50735 | 15.76299 | 23.58701 | 40.70104 | 6.95668 | 22.85332 | 44.21988 | 10.47552 | 55.73448 |
| 12/8/2024 | 9:00:00 AM | 33.7544 | 59.99071 | 26.23631 | 21.49369 | 48.12149 | 14.36709 | 24.28291 | 49.53231 | 15.77791 | 23.57209 | 40.71893 | 6.96453 | 22.84547 | 44.24132 | 10.48692 | 55.72308 |
| 12/8/2024 | 10:00:00 AM | 33.78784 | 60.01928 | 26.23144 | 21.49856 | 48.15503 | 14.36719 | 24.28281 | 49.57509 | 15.78725 | 23.56275 | 40.73682 | 6.94898 | 22.86102 | 44.25562 | 10.46778 | 55.74222 |
| 12/8/2024 | 11:00:00 AM | 33.81124 | 60.02285 | 26.21161 | 21.51839 | 48.17515 | 14.36391 | 24.28609 | 49.61074 | 15.7995 | 23.5505 | 40.73682 | 6.92558 | 22.88442 | 44.26277 | 10.45153 | 55.75847 |
| 12/8/2024 | 12:00:00 PM | 33.81459 | 60.03714 | 26.22255 | 21.50745 | 48.19528 | 14.38069 | 24.26931 | 49.625 | 15.81041 | 23.53959 | 40.73324 | 6.91865 | 22.89135 | 44.24847 | 10.43388 | 55.77612 |
| 12/8/2024 | 1:00:00 PM | 33.82796 | 60.04071 | 26.21275 | 21.51725 | 48.20534 | 14.37738 | 24.27262 | 49.64996 | 15.822 | 23.528 | 40.74039 | 6.91243 | 22.89757 | 44.24847 | 10.42051 | 55.78949 |
| 12/8/2024 | 2:00:00 PM | 33.84134 | 60.05499 | 26.21365 | 21.51635 | 48.22211 | 14.38077 | 24.26923 | 49.67492 | 15.83358 | 23.51642 | 40.7547 | 6.91336 | 22.89664 | 44.25205 | 10.41071 | 55.79929 |
| 12/8/2024 | 3:00:00 PM | 33.86809 | 60.07642 | 26.20833 | 21.52167 | 48.24559 | 14.3775 | 24.2725 | 49.70344 | 15.83535 | 23.51465 | 40.76544 | 6.89735 | 22.91265 | 44.26634 | 10.39825 | 55.81175 |
| 12/8/2024 | 4:00:00 PM | 33.90488 | 60.08713 | 26.18225 | 21.54775 | 48.26571 | 14.36083 | 24.28917 | 49.74266 | 15.83778 | 23.51222 | 40.78333 | 6.87845 | 22.93155 | 44.26992 | 10.36504 | 55.84496 |
| 12/8/2024 | 5:00:00 PM | 33.9216 | 60.10855 | 26.18695 | 21.54305 | 48.28919 | 14.36759 | 24.28241 | 49.77118 | 15.84958 | 23.50042 | 40.79406 | 6.87246 | 22.93754 | 44.28064 | 10.35904 | 55.85096 |
| 12/8/2024 | 6:00:00 PM | 33.93163 | 60.1157 | 26.18407 | 21.54593 | 48.30596 | 14.37433 | 24.27567 | 49.79257 | 15.86094 | 23.48906 | 40.79764 | 6.86601 | 22.94399 | 44.27349 | 10.34186 | 55.86814 |
| 12/8/2024 | 7:00:00 PM | 33.97176 | 60.16569 | 26.19393 | 21.53607 | 48.32272 | 14.35096 | 24.29904 | 49.82109 | 15.84933 | 23.50067 | 40.80837 | 6.83661 | 22.97339 | 44.28421 | 10.31245 | 55.89755 |
| 12/8/2024 | 8:00:00 PM | 33.96841 | 60.16926 | 26.20085 | 21.52915 | 48.32943 | 14.36102 | 24.28898 | 49.83179 | 15.86338 | 23.48662 | 40.81553 | 6.84712 | 22.96288 | 44.26992 | 10.30151 | 55.90849 |
| 12/8/2024 | 9:00:00 PM | 33.99182 | 60.18711 | 26.19529 | 21.53471 | 48.3462 | 14.35438 | 24.29562 | 49.87101 | 15.87919 | 23.47081 | 40.82984 | 6.83802 | 22.97198 | 44.28421 | 10.29239 | 55.91761 |
| 12/8/2024 | 10:00:00 PM | 34.01188 | 60.21925 | 26.20737 | 21.52263 | 48.37639 | 14.36451 | 24.28549 | 49.9031 | 15.89122 | 23.45878 | 40.84415 | 6.83227 | 22.97773 | 44.29851 | 10.28663 | 55.92337 |
| 12/8/2024 | 11:00:00 PM | 34.0286 | 60.21925 | 26.19065 | 21.53935 | 48.38309 | 14.35449 | 24.29551 | 49.91736 | 15.88876 | 23.46124 | 40.85131 | 6.82271 | 22.98729 | 44.29136 | 10.26276 | 55.94724 |
| 12/9/2024 | 12:00:00 AM | 34.03864 | 60.21925 | 26.18061 | 21.54939 | 48.37974 | 14.3411 | 24.3089 | 49.92449 | 15.88585 | 23.46415 | 40.84057 | 6.80193 | 23.00807 | 44.28064 | 10.242 | 55.968 |
| 12/9/2024 | 1:00:00 AM | 34.03529 | 60.22996 | 26.19467 | 21.53533 | 48.38645 | 14.35116 | 24.29884 | 49.93875 | 15.90346 | 23.44654 | 40.85846 | 6.82317 | 22.98683 | 44.27706 | 10.24177 | 55.96823 |
| 12/9/2024 | 2:00:00 AM | 34.0587 | 60.25139 | 26.19269 | 21.53731 | 48.40322 | 14.34452 | 24.30548 | 49.96727 | 15.90857 | 23.44143 | 40.87277 | 6.81407 | 22.99593 | 44.29493 | 10.23623 | 55.97377 |
| 12/9/2024 | 3:00:00 AM | 34.08211 | 60.27281 | 26.1907 | 21.5393 | 48.41999 | 14.33788 | 24.31212 | 49.98866 | 15.90655 | 23.44345 | 40.89066 | 6.80855 | 23.00145 | 44.29851 | 10.2164 | 55.9936 |
| 12/9/2024 | 4:00:00 AM | 34.09214 | 60.26567 | 26.17353 | 21.55647 | 48.42334 | 14.3312 | 24.3188 | 49.99936 | 15.90722 | 23.44278 | 40.89066 | 6.79852 | 23.01148 | 44.29493 | 10.20279 | 56.00721 |
| 12/9/2024 | 5:00:00 AM | 34.10217 | 60.27638 | 26.17421 | 21.55579 | 48.43676 | 14.33459 | 24.31541 | 50.01718 | 15.91501 | 23.43499 | 40.90855 | 6.80638 | 23.00362 | 44.29136 | 10.18919 | 56.02081 |
| 12/9/2024 | 6:00:00 AM | 34.10552 | 60.27996 | 26.17444 | 21.55556 | 48.42669 | 14.32117 | 24.32883 | 50.01005 | 15.90453 | 23.44547 | 40.91213 | 6.80661 | 23.00339 | 44.28421 | 10.17869 | 56.03131 |
| 12/9/2024 | 7:00:00 AM | 34.11555 | 60.29067 | 26.17512 | 21.55488 | 48.44011 | 14.32456 | 24.32544 | 50.03144 | 15.91589 | 23.43411 | 40.91213 | 6.79658 | 23.01342 | 44.29136 | 10.17581 | 56.03419 |
| 12/9/2024 | 8:00:00 AM | 34.11555 | 60.29781 | 26.18226 | 21.54774 | 48.43676 | 14.32121 | 24.32879 | 50.03858 | 15.92303 | 23.42697 | 40.92286 | 6.80731 | 23.00269 | 44.28778 | 10.17223 | 56.03777 |
| 12/9/2024 | 9:00:00 AM | 34.13561 | 60.30495 | 26.16934 | 21.56066 | 48.45017 | 14.31456 | 24.33544 | 50.04927 | 15.91366 | 23.43634 | 40.94433 | 6.80872 | 23.00128 | 44.29136 | 10.15575 | 56.05425 |
| 12/9/2024 | 10:00:00 AM | 34.1423 | 60.31924 | 26.17694 | 21.55306 | 48.46359 | 14.32129 | 24.32871 | 50.0671 | 15.9248 | 23.4252 | 40.94433 | 6.80203 | 23.00797 | 44.29851 | 10.15621 | 56.05379 |
| 12/9/2024 | 11:00:00 AM | 34.15902 | 60.31566 | 26.15664 | 21.57336 | 48.45017 | 14.29115 | 24.35885 | 50.05997 | 15.90095 | 23.44905 | 40.94433 | 6.78531 | 23.02469 | 44.28064 | 10.12162 | 56.08838 |
| 12/9/2024 | 12:00:00 PM | 34.17574 | 60.31566 | 26.13992 | 21.59008 | 48.44682 | 14.27108 | 24.37892 | 50.07066 | 15.89492 | 23.45508 | 40.95506 | 6.77932 | 23.03068 | 44.28778 | 10.11204 | 56.09796 |
| 12/9/2024 | 1:00:00 PM | 34.18912 | 60.31924 | 26.13012 | 21.59988 | 48.44682 | 14.2577 | 24.3923 | 50.0671 | 15.87798 | 23.47202 | 40.95864 | 6.76952 | 23.04048 | 44.27706 | 10.08794 | 56.12206 |
| 12/9/2024 | 2:00:00 PM | 34.18912 | 60.32638 | 26.13726 | 21.59274 | 48.45017 | 14.26105 | 24.38895 | 50.07423 | 15.88511 | 23.46489 | 40.97295 | 6.78383 | 23.02617 | 44.28778 | 10.09866 | 56.11134 |
| 12/9/2024 | 3:00:00 PM | 34.17908 | 60.32638 | 26.1473 | 21.5827 | 48.45017 | 14.27109 | 24.37891 | 50.08136 | 15.90228 | 23.44772 | 40.97295 | 6.79387 | 23.01613 | 44.27706 | 10.09798 | 56.11202 |
| 12/9/2024 | 4:00:00 PM | 34.1724 | 60.32281 | 26.15041 | 21.57959 | 48.44682 | 14.27442 | 24.37558 | 50.08492 | 15.91252 | 23.43748 | 40.98011 | 6.80771 | 23.00229 | 44.28421 | 10.11181 | 56.09819 |
| 12/9/2024 | 5:00:00 PM | 34.15902 | 60.33352 | 26.1745 | 21.5555 | 48.44682 | 14.2878 | 24.3622 | 50.08492 | 15.9259 | 23.4241 | 40.98726 | 6.82824 | 22.98176 | 44.28064 | 10.12162 | 56.08838 |
| 12/9/2024 | 6:00:00 PM | 34.15233 | 60.32995 | 26.17762 | 21.55238 | 48.44011 | 14.28778 | 24.36222 | 50.08136 | 15.92903 | 23.42097 | 40.99442 | 6.84209 | 22.96791 | 44.28421 | 10.13188 | 56.07812 |
| 12/9/2024 | 7:00:00 PM | 34.14899 | 60.32995 | 26.18096 | 21.54904 | 48.44011 | 14.29112 | 24.35888 | 50.08849 | 15.9395 | 23.4105 | 40.99442 | 6.84543 | 22.96457 | 44.26992 | 10.12093 | 56.08907 |
| 12/9/2024 | 8:00:00 PM | 34.15233 | 60.33709 | 26.18476 | 21.54524 | 48.44346 | 14.29113 | 24.35887 | 50.08492 | 15.93259 | 23.41741 | 41.00515 | 6.85282 | 22.95718 | 44.28778 | 10.13545 | 56.07455 |
| 12/9/2024 | 9:00:00 PM | 34.14899 | 60.34423 | 26.19524 | 21.53476 | 48.43676 | 14.28777 | 24.36223 | 50.08136 | 15.93237 | 23.41763 | 41.00157 | 6.85258 | 22.95742 | 44.28064 | 10.13165 | 56.07835 |
| 12/9/2024 | 10:00:00 PM | 34.1423 | 60.34066 | 26.19836 | 21.53164 | 48.41999 | 14.27769 | 24.37231 | 50.0671 | 15.9248 | 23.4252 | 41.00515 | 6.86285 | 22.94715 | 44.28064 | 10.13834 | 56.07166 |
| 12/9/2024 | 11:00:00 PM | 34.15233 | 60.3478 | 26.19547 | 21.53453 | 48.4334 | 14.28107 | 24.36893 | 50.08492 | 15.93259 | 23.41741 | 41.02662 | 6.87429 | 22.93571 | 44.28778 | 10.13545 | 56.07455 |
| 12/10/2024 | 12:00:00 AM | 34.13896 | 60.34066 | 26.2017 | 21.5283 | 48.42334 | 14.28438 | 24.36562 | 50.0671 | 15.92814 | 23.42186 | 41.02304 | 6.88408 | 22.92592 | 44.28778 | 10.14882 | 56.06118 |
| 12/10/2024 | 1:00:00 AM | 34.13561 | 60.32995 | 26.19434 | 21.53566 | 48.40993 | 14.27432 | 24.37568 | 50.05997 | 15.92436 | 23.42564 | 41.01588 | 6.88027 | 22.92973 | 44.27349 | 10.13788 | 56.07212 |
| 12/10/2024 | 2:00:00 AM | 34.12892 | 60.33709 | 26.20817 | 21.52183 | 48.41999 | 14.29107 | 24.35893 | 50.06353 | 15.93461 | 23.41539 | 41.03377 | 6.90485 | 22.90515 | 44.29136 | 10.16244 | 56.04756 |
| 12/10/2024 | 3:00:00 AM | 34.13227 | 60.33352 | 26.20125 | 21.52875 | 48.39986 | 14.26759 | 24.38241 | 50.05284 | 15.92057 | 23.42943 | 41.02304 | 6.89077 | 22.91923 | 44.27349 | 10.14122 | 56.06878 |
| 12/10/2024 | 4:00:00 AM | 34.11555 | 60.31566 | 26.20011 | 21.52989 | 48.37639 | 14.26084 | 24.38916 | 50.03858 | 15.92303 | 23.42697 | 41.01231 | 6.89676 | 22.91324 | 44.25919 | 10.14364 | 56.06636 |
| 12/10/2024 | 5:00:00 AM | 34.11555 | 60.31924 | 26.20369 | 21.52631 | 48.37974 | 14.26419 | 24.38581 | 50.03144 | 15.91589 | 23.43411 | 41.02304 | 6.90749 | 22.90251 | 44.26634 | 10.15079 | 56.05921 |
| 12/10/2024 | 6:00:00 AM | 34.10552 | 60.31209 | 26.20657 | 21.52343 | 48.36297 | 14.25745 | 24.39255 | 50.01718 | 15.91166 | 23.43834 | 41.02304 | 6.91752 | 22.89248 | 44.25562 | 10.1501 | 56.0599 |
| 12/10/2024 | 7:00:00 AM | 34.10217 | 60.30495 | 26.20278 | 21.52722 | 48.34956 | 14.24739 | 24.40261 | 50.01362 | 15.91145 | 23.43855 | 41.02662 | 6.92445 | 22.88555 | 44.25919 | 10.15702 | 56.05298 |
| 12/10/2024 | 8:00:00 AM | 34.09548 | 60.30138 | 26.2059 | 21.5241 | 48.33949 | 14.24401 | 24.40599 | 50.00292 | 15.90744 | 23.44256 | 41.01946 | 6.92398 | 22.88602 | 44.25562 | 10.16014 | 56.04986 |
| 12/10/2024 | 9:00:00 AM | 34.10217 | 60.29067 | 26.1885 | 21.5415 | 48.33614 | 14.23397 | 24.41603 | 49.98866 | 15.88649 | 23.46351 | 41.02662 | 6.92445 | 22.88555 | 44.26277 | 10.1606 | 56.0494 |
| 12/10/2024 | 10:00:00 AM | 34.10217 | 60.30138 | 26.19921 | 21.53079 | 48.33614 | 14.23397 | 24.41603 | 49.99223 | 15.89006 | 23.45994 | 41.0302 | 6.92803 | 22.88197 | 44.26634 | 10.16417 | 56.04583 |
| 12/10/2024 | 11:00:00 AM | 34.09548 | 60.27638 | 26.1809 | 21.5491 | 48.30596 | 14.21048 | 24.43952 | 49.96014 | 15.86466 | 23.48534 | 41.01231 | 6.91683 | 22.89317 | 44.24132 | 10.14584 | 56.06416 |
| 12/10/2024 | 12:00:00 PM | 34.1122 | 60.27281 | 26.16061 | 21.56939 | 48.28919 | 14.17699 | 24.47301 | 49.94588 | 15.83368 | 23.51632 | 41.00873 | 6.89653 | 22.91347 | 44.24132 | 10.12912 | 56.08088 |
| 12/10/2024 | 1:00:00 PM | 34.10552 | 60.23711 | 26.13159 | 21.59841 | 48.259 | 14.15348 | 24.49652 | 49.91379 | 15.80827 | 23.54173 | 40.99442 | 6.8889 | 22.9211 | 44.22345 | 10.11793 | 56.09207 |
| 12/10/2024 | 2:00:00 PM | 34.0888 | 60.22282 | 26.13402 | 21.59598 | 48.23217 | 14.14337 | 24.50663 | 49.8924 | 15.8036 | 23.5464 | 40.99084 | 6.90204 | 22.90796 | 44.21273 | 10.12393 | 56.08607 |
| 12/10/2024 | 3:00:00 PM | 34.07208 | 60.2014 | 26.12932 | 21.60068 | 48.20869 | 14.13661 | 24.51339 | 49.86388 | 15.7918 | 23.5582 | 40.98011 | 6.90803 | 22.90197 | 44.21273 | 10.14065 | 56.06935 |
| 12/10/2024 | 4:00:00 PM | 34.06873 | 60.19783 | 26.1291 | 21.6009 | 48.18186 | 14.11313 | 24.53687 | 49.84605 | 15.77732 | 23.57268 | 40.98368 | 6.91495 | 22.89505 | 44.21273 | 10.144 | 56.066 |
| 12/10/2024 | 5:00:00 PM | 34.04198 | 60.16926 | 26.12728 | 21.60272 | 48.15838 | 14.1164 | 24.5336 | 49.81753 | 15.77555 | 23.57445 | 40.96937 | 6.92739 | 22.88261 | 44.19129 | 10.14931 | 56.06069 |
| 12/10/2024 | 6:00:00 PM | 34.02192 | 60.16926 | 26.14734 | 21.58266 | 48.14161 | 14.11969 | 24.53031 | 49.7997 | 15.77778 | 23.57222 | 40.96937 | 6.94745 | 22.86255 | 44.19129 | 10.16937 | 56.04063 |
| 12/10/2024 | 7:00:00 PM | 34.0052 | 60.14783 | 26.14263 | 21.58737 | 48.12149 | 14.11629 | 24.53371 | 49.78901 | 15.78381 | 23.56619 | 40.95864 | 6.95344 | 22.85656 | 44.19129 | 10.18609 | 56.02391 |
| 12/10/2024 | 8:00:00 PM | 34.00185 | 60.16569 | 26.16384 | 21.56616 | 48.1282 | 14.12635 | 24.52365 | 49.78188 | 15.78003 | 23.56997 | 40.97295 | 6.9711 | 22.8389 | 44.21631 | 10.21446 | 55.99554 |
| 12/10/2024 | 9:00:00 PM | 33.99516 | 60.1514 | 26.15624 | 21.57376 | 48.11143 | 14.11627 | 24.53373 | 49.76761 | 15.77245 | 23.57755 | 40.96222 | 6.96706 | 22.84294 | 44.21988 | 10.22472 | 55.98528 |
| 12/10/2024 | 10:00:00 PM | 33.99182 | 60.14426 | 26.15244 | 21.57756 | 48.11478 | 14.12296 | 24.52704 | 49.76761 | 15.77579 | 23.57421 | 40.96937 | 6.97755 | 22.83245 | 44.22345 | 10.23163 | 55.97837 |
| 12/10/2024 | 11:00:00 PM | 33.98513 | 60.13712 | 26.15199 | 21.57801 | 48.0846 | 14.09947 | 24.55053 | 49.74979 | 15.76466 | 23.58534 | 40.95148 | 6.96635 | 22.84365 | 44.21631 | 10.23118 | 55.97882 |
| 12/11/2024 | 12:00:00 AM | 33.97176 | 60.12641 | 26.15465 | 21.57535 | 48.07454 | 14.10278 | 24.54722 | 49.73909 | 15.76733 | 23.58267 | 40.94791 | 6.97615 | 22.83385 | 44.20916 | 10.2374 | 55.9726 |
| 12/11/2024 | 1:00:00 AM | 33.94835 | 60.10855 | 26.1602 | 21.5698 | 48.06112 | 14.11277 | 24.53723 | 49.7177 | 15.76935 | 23.58065 | 40.93359 | 6.98524 | 22.82476 | 44.20559 | 10.25724 | 55.95276 |
| 12/11/2024 | 2:00:00 AM | 33.93163 | 60.09427 | 26.16264 | 21.56736 | 48.041 | 14.10937 | 24.54063 | 49.70344 | 15.77181 | 23.57819 | 40.91928 | 6.98765 | 22.82235 | 44.19844 | 10.26681 | 55.94319 |
| 12/11/2024 | 3:00:00 AM | 33.92494 | 60.07642 | 26.15148 | 21.57852 | 48.03429 | 14.10935 | 24.54065 | 49.68918 | 15.76424 | 23.58576 | 40.91928 | 6.99434 | 22.81566 | 44.20201 | 10.27707 | 55.93293 |
| 12/11/2024 | 4:00:00 AM | 33.89819 | 60.05142 | 26.15323 | 21.57677 | 48.00411 | 14.10592 | 24.54408 | 49.65709 | 15.7589 | 23.5911 | 40.89782 | 6.99963 | 22.81037 | 44.19129 | 10.2931 | 55.9169 |
| 12/11/2024 | 5:00:00 AM | 33.87144 | 60.02999 | 26.15855 | 21.57145 | 47.97392 | 14.10248 | 24.54752 | 49.63213 | 15.76069 | 23.58931 | 40.89066 | 7.01922 | 22.79078 | 44.18057 | 10.30913 | 55.90087 |
| 12/11/2024 | 6:00:00 AM | 33.8614 | 60.02285 | 26.16145 | 21.56855 | 47.95715 | 14.09575 | 24.55425 | 49.61431 | 15.75291 | 23.59709 | 40.89066 | 7.02926 | 22.78074 | 44.17699 | 10.31559 | 55.89441 |
| 12/11/2024 | 7:00:00 AM | 33.85137 | 60.01571 | 26.16434 | 21.56566 | 47.95044 | 14.09907 | 24.55093 | 49.61431 | 15.76294 | 23.58706 | 40.88351 | 7.03214 | 22.77786 | 44.18057 | 10.3292 | 55.8808 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/11/2024 | 8:00:00 AM | 33.83131 | 59.99786 | 26.16655 | 21.56345 | 47.92697 | 14.09566 | 24.55434 | 49.57866 | 15.74735 | 23.60265 | 40.87277 | 7.04146 | 22.76854 | 44.16985 | 10.33854 | 55.87146 |
| 12/11/2024 | 9:00:00 AM | 33.81793 | 59.98357 | 26.16564 | 21.56436 | 47.9169 | 14.09897 | 24.55103 | 49.57152 | 15.75359 | 23.59641 | 40.86562 | 7.04769 | 22.76231 | 44.17342 | 10.35549 | 55.85451 |
| 12/11/2024 | 10:00:00 AM | 33.80121 | 59.97286 | 26.17165 | 21.55835 | 47.89007 | 14.08886 | 24.56114 | 49.543 | 15.74179 | 23.60821 | 40.85131 | 7.0501 | 22.7599 | 44.17342 | 10.37221 | 55.83779 |
| 12/11/2024 | 11:00:00 AM | 33.78449 | 59.95143 | 26.16694 | 21.56306 | 47.88337 | 14.09888 | 24.55112 | 49.52161 | 15.73712 | 23.61288 | 40.84057 | 7.05608 | 22.75392 | 44.15912 | 10.37463 | 55.83537 |
| 12/11/2024 | 12:00:00 PM | 33.74771 | 59.9193 | 26.17159 | 21.55841 | 47.83641 | 14.0887 | 24.5613 | 49.48952 | 15.74181 | 23.60819 | 40.81553 | 7.06782 | 22.74218 | 44.13053 | 10.38282 | 55.82718 |
| 12/11/2024 | 1:00:00 PM | 33.71427 | 59.89787 | 26.1836 | 21.5464 | 47.80958 | 14.09531 | 24.55469 | 49.45744 | 15.74317 | 23.60683 | 40.80122 | 7.08695 | 22.72305 | 44.13053 | 10.41626 | 55.79374 |
| 12/11/2024 | 2:00:00 PM | 33.6942 | 59.87288 | 26.17868 | 21.55132 | 47.7861 | 14.0919 | 24.5581 | 49.43961 | 15.74541 | 23.60459 | 40.78691 | 7.09271 | 22.71729 | 44.11266 | 10.41846 | 55.79154 |
| 12/11/2024 | 3:00:00 PM | 33.66076 | 59.83717 | 26.17641 | 21.55359 | 47.74586 | 14.0851 | 24.5649 | 49.39326 | 15.7325 | 23.6175 | 40.76902 | 7.10826 | 22.70174 | 44.09837 | 10.43761 | 55.77239 |
| 12/11/2024 | 4:00:00 PM | 33.63736 | 59.8336 | 26.19624 | 21.53376 | 47.72238 | 14.08502 | 24.56498 | 49.379 | 15.74164 | 23.60836 | 40.76186 | 7.1245 | 22.6855 | 44.10194 | 10.46458 | 55.74542 |
| 12/11/2024 | 5:00:00 PM | 33.62064 | 59.81217 | 26.19153 | 21.53847 | 47.69555 | 14.07491 | 24.57509 | 49.35048 | 15.72984 | 23.62016 | 40.7547 | 7.13406 | 22.67594 | 44.09479 | 10.47415 | 55.73585 |
| 12/11/2024 | 6:00:00 PM | 33.60726 | 59.80146 | 26.1942 | 21.5358 | 47.68549 | 14.07823 | 24.57177 | 49.33622 | 15.72896 | 23.62104 | 40.74039 | 7.13313 | 22.67687 | 44.09837 | 10.49111 | 55.71889 |
| 12/11/2024 | 7:00:00 PM | 33.57382 | 59.78717 | 26.21335 | 21.51665 | 47.66201 | 14.08819 | 24.56181 | 49.30769 | 15.73387 | 23.61613 | 40.73682 | 7.163 | 22.647 | 44.09122 | 10.5174 | 55.6926 |
| 12/11/2024 | 8:00:00 PM | 33.56379 | 59.77646 | 26.21267 | 21.51733 | 47.64859 | 14.0848 | 24.5652 | 49.28987 | 15.72608 | 23.62392 | 40.71893 | 7.15514 | 22.65486 | 44.08765 | 10.52386 | 55.68614 |
| 12/11/2024 | 9:00:00 PM | 33.55041 | 59.77289 | 26.22248 | 21.50752 | 47.64859 | 14.09818 | 24.55182 | 49.29343 | 15.74302 | 23.60698 | 40.7225 | 7.17209 | 22.63791 | 44.10552 | 10.55511 | 55.65489 |
| 12/11/2024 | 10:00:00 PM | 33.53704 | 59.75147 | 26.21443 | 21.51557 | 47.61506 | 14.07802 | 24.57198 | 49.26848 | 15.73144 | 23.61856 | 40.70104 | 7.164 | 22.646 | 44.08765 | 10.55061 | 55.65939 |
| 12/11/2024 | 11:00:00 PM | 33.51028 | 59.73361 | 26.22333 | 21.50667 | 47.59829 | 14.08801 | 24.56199 | 49.24709 | 15.73681 | 23.61319 | 40.68315 | 7.17287 | 22.63713 | 44.0805 | 10.57022 | 55.63978 |
| 12/12/2024 | 12:00:00 AM | 33.50694 | 59.71933 | 26.21239 | 21.51761 | 47.58822 | 14.08128 | 24.56872 | 49.23639 | 15.72945 | 23.62055 | 40.66884 | 7.1619 | 22.6481 | 44.07692 | 10.56998 | 55.64002 |
| 12/12/2024 | 1:00:00 AM | 33.51028 | 59.71933 | 26.20905 | 21.52095 | 47.58822 | 14.07794 | 24.57206 | 49.23639 | 15.72611 | 23.62389 | 40.67599 | 7.16571 | 22.64429 | 44.09122 | 10.58094 | 55.62906 |
| 12/12/2024 | 2:00:00 AM | 33.49691 | 59.71219 | 26.21528 | 21.51472 | 47.56475 | 14.06784 | 24.58216 | 49.21143 | 15.71452 | 23.63548 | 40.65095 | 7.15404 | 22.65596 | 44.09122 | 10.59431 | 55.61569 |
| 12/12/2024 | 3:00:00 AM | 33.49691 | 59.69433 | 26.19742 | 21.53258 | 47.56475 | 14.06784 | 24.58216 | 49.2043 | 15.70739 | 23.64261 | 40.64379 | 7.14688 | 22.66312 | 44.08765 | 10.59074 | 55.61926 |
| 12/12/2024 | 4:00:00 AM | 33.50025 | 59.69076 | 26.19051 | 21.53949 | 47.56475 | 14.0645 | 24.5855 | 49.20787 | 15.70762 | 23.64238 | 40.64379 | 7.14354 | 22.66646 | 44.09479 | 10.59454 | 55.61546 |
| 12/12/2024 | 5:00:00 AM | 33.49022 | 59.68005 | 26.18983 | 21.54017 | 47.55469 | 14.06447 | 24.58553 | 49.19004 | 15.69982 | 23.65018 | 40.62233 | 7.13211 | 22.67789 | 44.09479 | 10.60457 | 55.60543 |
| 12/12/2024 | 6:00:00 AM | 33.49022 | 59.68005 | 26.18983 | 21.54017 | 47.55133 | 14.06111 | 24.58889 | 49.19361 | 15.70339 | 23.64661 | 40.6259 | 7.13568 | 22.67432 | 44.09122 | 10.601 | 55.609 |
| 12/12/2024 | 7:00:00 AM | 33.49691 | 59.68005 | 26.18314 | 21.54686 | 47.56139 | 14.06448 | 24.58552 | 49.19717 | 15.70026 | 23.64974 | 40.62233 | 7.12542 | 22.68458 | 44.10552 | 10.60861 | 55.60139 |
| 12/12/2024 | 8:00:00 AM | 33.49691 | 59.69076 | 26.19385 | 21.53615 | 47.56139 | 14.06448 | 24.58552 | 49.2043 | 15.70739 | 23.64261 | 40.61517 | 7.11826 | 22.69174 | 44.10909 | 10.61218 | 55.59782 |
| 12/12/2024 | 9:00:00 AM | 33.51028 | 59.6979 | 26.18762 | 21.54238 | 47.58152 | 14.07124 | 24.57876 | 49.21856 | 15.70828 | 23.64172 | 40.62233 | 7.11205 | 22.69795 | 44.12339 | 10.61311 | 55.59689 |
| 12/12/2024 | 10:00:00 AM | 33.51697 | 59.70147 | 26.1845 | 21.5455 | 47.59158 | 14.07461 | 24.57539 | 49.21856 | 15.70159 | 23.64841 | 40.61159 | 7.09462 | 22.71538 | 44.11981 | 10.60284 | 55.60716 |
| 12/12/2024 | 11:00:00 AM | 33.52366 | 59.68362 | 26.15996 | 21.57004 | 47.58152 | 14.05786 | 24.59214 | 49.21143 | 15.68777 | 23.66223 | 40.60086 | 7.0772 | 22.7328 | 44.11266 | 10.589 | 55.621 |
| 12/12/2024 | 12:00:00 PM | 33.51028 | 59.68362 | 26.17334 | 21.55666 | 47.58487 | 14.07459 | 24.57541 | 49.19717 | 15.68689 | 23.66311 | 40.58655 | 7.07627 | 22.73373 | 44.10194 | 10.59166 | 55.61834 |
| 12/12/2024 | 1:00:00 PM | 33.49356 | 59.67648 | 26.18292 | 21.54708 | 47.57145 | 14.07789 | 24.57211 | 49.17935 | 15.68579 | 23.66421 | 40.57581 | 7.08225 | 22.72775 | 44.09122 | 10.59766 | 55.61234 |
| 12/12/2024 | 2:00:00 PM | 33.48019 | 59.66219 | 26.182 | 21.548 | 47.57816 | 14.09797 | 24.55203 | 49.17221 | 15.69202 | 23.65798 | 40.56866 | 7.08847 | 22.72153 | 44.08407 | 10.60388 | 55.60612 |
| 12/12/2024 | 3:00:00 PM | 33.47016 | 59.66219 | 26.19203 | 21.53797 | 47.5681 | 14.09794 | 24.55206 | 49.17578 | 15.70562 | 23.64438 | 40.57224 | 7.10208 | 22.70792 | 44.08407 | 10.61391 | 55.59609 |
| 12/12/2024 | 4:00:00 PM | 33.46681 | 59.66576 | 26.19895 | 21.53105 | 47.58152 | 14.11471 | 24.53529 | 49.17935 | 15.71254 | 23.63746 | 40.57224 | 7.10543 | 22.70457 | 44.0805 | 10.61369 | 55.59631 |
| 12/12/2024 | 5:00:00 PM | 33.45678 | 59.67648 | 26.2197 | 21.5103 | 47.59158 | 14.1348 | 24.5152 | 49.18291 | 15.72613 | 23.62387 | 40.57224 | 7.11546 | 22.69454 | 44.09837 | 10.64159 | 55.56841 |
| 12/12/2024 | 6:00:00 PM | 33.46012 | 59.66934 | 26.20922 | 21.52078 | 47.58822 | 14.1281 | 24.5219 | 49.17578 | 15.71566 | 23.63434 | 40.55793 | 7.09781 | 22.71219 | 44.08765 | 10.62753 | 55.58247 |
| 12/12/2024 | 7:00:00 PM | 33.45678 | 59.66576 | 26.20898 | 21.52102 | 47.58487 | 14.12809 | 24.52191 | 49.17221 | 15.71543 | 23.63457 | 40.55793 | 7.10115 | 22.70885 | 44.08407 | 10.62729 | 55.58271 |
| 12/12/2024 | 8:00:00 PM | 33.45344 | 59.65862 | 26.20518 | 21.52482 | 47.58152 | 14.12808 | 24.52192 | 49.16152 | 15.70808 | 23.64192 | 40.54719 | 7.09375 | 22.71625 | 44.06978 | 10.61634 | 55.59366 |
| 12/12/2024 | 9:00:00 PM | 33.45344 | 59.65862 | 26.20518 | 21.52482 | 47.58487 | 14.13143 | 24.51857 | 49.15795 | 15.70451 | 23.64549 | 40.54719 | 7.09375 | 22.71625 | 44.06978 | 10.61634 | 55.59366 |
| 12/12/2024 | 10:00:00 PM | 33.44675 | 59.65505 | 26.2083 | 21.5217 | 47.58152 | 14.13477 | 24.51523 | 49.14369 | 15.69694 | 23.65306 | 40.54004 | 7.09329 | 22.71671 | 44.06263 | 10.61588 | 55.59412 |
| 12/12/2024 | 11:00:00 PM | 33.44675 | 59.64077 | 26.19402 | 21.53598 | 47.57145 | 14.1247 | 24.5253 | 49.14369 | 15.69694 | 23.65306 | 40.53646 | 7.08971 | 22.72029 | 44.05548 | 10.60873 | 55.60127 |
| 12/13/2024 | 12:00:00 AM | 33.43337 | 59.6372 | 26.20383 | 21.52617 | 47.56139 | 14.12802 | 24.52198 | 49.12943 | 15.69606 | 23.65394 | 40.52215 | 7.08878 | 22.72122 | 44.04119 | 10.60782 | 55.60218 |
| 12/13/2024 | 1:00:00 AM | 33.44675 | 59.64434 | 26.19759 | 21.53241 | 47.57481 | 14.12806 | 24.52194 | 49.13656 | 15.68981 | 23.66019 | 40.53646 | 7.08971 | 22.72029 | 44.05191 | 10.60516 | 55.60484 |
| 12/13/2024 | 2:00:00 AM | 33.45344 | 59.65148 | 26.19804 | 21.53196 | 47.57816 | 14.12472 | 24.52528 | 49.133 | 15.67956 | 23.67044 | 40.52215 | 7.06871 | 22.74129 | 44.05548 | 10.60204 | 55.60796 |
| 12/13/2024 | 3:00:00 AM | 33.43672 | 59.62649 | 26.18977 | 21.54023 | 47.55804 | 14.12132 | 24.52868 | 49.11874 | 15.68202 | 23.66798 | 40.51141 | 7.07469 | 22.73531 | 44.04119 | 10.60447 | 55.60553 |
| 12/13/2024 | 4:00:00 AM | 33.42668 | 59.61934 | 26.19266 | 21.53734 | 47.54798 | 14.1213 | 24.5287 | 49.10447 | 15.67779 | 23.67221 | 40.50426 | 7.07758 | 22.73242 | 44.03404 | 10.60736 | 55.60264 |
| 12/13/2024 | 5:00:00 AM | 33.42334 | 59.60149 | 26.17815 | 21.55185 | 47.53456 | 14.11122 | 24.53878 | 49.08665 | 15.66331 | 23.68669 | 40.49353 | 7.07019 | 22.73981 | 44.01259 | 10.58925 | 55.62075 |
| 12/13/2024 | 6:00:00 AM | 33.40996 | 59.58721 | 26.17725 | 21.55275 | 47.51779 | 14.10783 | 24.54217 | 49.06526 | 15.6553 | 23.6947 | 40.48995 | 7.07999 | 22.73001 | 44.00902 | 10.59906 | 55.61094 |
| 12/13/2024 | 7:00:00 AM | 33.40662 | 59.58363 | 26.17701 | 21.55299 | 47.49767 | 14.09105 | 24.55895 | 49.05456 | 15.64794 | 23.70206 | 40.47921 | 7.07259 | 22.73741 | 43.99473 | 10.58811 | 55.62189 |
| 12/13/2024 | 8:00:00 AM | 33.39993 | 59.57649 | 26.17656 | 21.55344 | 47.49432 | 14.09439 | 24.55561 | 49.03673 | 15.6368 | 23.7132 | 40.47564 | 7.07571 | 22.73429 | 43.99115 | 10.59122 | 55.61878 |
| 12/13/2024 | 9:00:00 AM | 33.39993 | 59.57649 | 26.17656 | 21.55344 | 47.49096 | 14.09103 | 24.55897 | 49.03673 | 15.6368 | 23.7132 | 40.47206 | 7.07213 | 22.73787 | 43.98758 | 10.58765 | 55.62235 |
| 12/13/2024 | 10:00:00 AM | 33.41665 | 59.61934 | 26.20269 | 21.52731 | 47.52115 | 14.1045 | 24.5455 | 49.06526 | 15.64861 | 23.70139 | 40.4971 | 7.08045 | 22.72955 | 44.03046 | 10.61381 | 55.59619 |
| 12/13/2024 | 11:00:00 AM | 33.41665 | 59.59435 | 26.1777 | 21.5523 | 47.51109 | 14.09444 | 24.55556 | 49.05813 | 15.64148 | 23.70852 | 40.47921 | 7.06256 | 22.74744 | 44.01617 | 10.59952 | 55.61048 |
| 12/13/2024 | 12:00:00 PM | 33.39993 | 59.54436 | 26.14443 | 21.58557 | 47.46413 | 14.0642 | 24.5858 | 49.00465 | 15.60472 | 23.74528 | 40.4327 | 7.03277 | 22.77723 | 43.96613 | 10.5662 | 55.6438 |
| 12/13/2024 | 1:00:00 PM | 33.39324 | 59.5015 | 26.10826 | 21.62174 | 47.41382 | 14.02058 | 24.62942 | 48.96186 | 15.56862 | 23.78138 | 40.40766 | 7.01442 | 22.79558 | 43.93039 | 10.53715 | 55.67285 |
| 12/13/2024 | 2:00:00 PM | 33.34643 | 59.48365 | 26.13722 | 21.59278 | 47.39035 | 14.04392 | 24.60608 | 48.92265 | 15.57622 | 23.77378 | 40.39692 | 7.05049 | 22.75951 | 43.89466 | 10.54823 | 55.66177 |
| 12/13/2024 | 3:00:00 PM | 33.31633 | 59.4658 | 26.14947 | 21.58053 | 47.36687 | 14.05054 | 24.59946 | 48.90482 | 15.58849 | 23.76151 | 40.4005 | 7.08417 | 22.72583 | 43.89466 | 10.57833 | 55.63167 |
| 12/13/2024 | 4:00:00 PM | 33.30964 | 59.46223 | 26.15259 | 21.57741 | 47.35345 | 14.04381 | 24.60619 | 48.89056 | 15.58092 | 23.76908 | 40.39692 | 7.08728 | 22.72272 | 43.9018 | 10.59216 | 55.61784 |
| 12/13/2024 | 5:00:00 PM | 33.29292 | 59.43723 | 26.14431 | 21.58569 | 47.32998 | 14.03706 | 24.61294 | 48.8656 | 15.57268 | 23.77732 | 40.38261 | 7.08969 | 22.72031 | 43.89108 | 10.59816 | 55.61184 |
| 12/13/2024 | 6:00:00 PM | 33.28624 | 59.42295 | 26.13671 | 21.59329 | 47.31321 | 14.02697 | 24.62303 | 48.84064 | 15.5544 | 23.7956 | 40.37188 | 7.08564 | 22.72436 | 43.88393 | 10.59769 | 55.61231 |
| 12/13/2024 | 7:00:00 PM | 33.26283 | 59.43366 | 26.17083 | 21.55917 | 47.31656 | 14.05373 | 24.59627 | 48.85491 | 15.59208 | 23.75792 | 40.37546 | 7.11263 | 22.69737 | 43.89466 | 10.63183 | 55.57817 |
| 12/13/2024 | 8:00:00 PM | 33.26617 | 59.43366 | 26.16749 | 21.56251 | 47.31321 | 14.04704 | 24.60296 | 48.84777 | 15.5816 | 23.7684 | 40.3683 | 7.10213 | 22.70787 | 43.90895 | 10.64278 | 55.56722 |
| 12/13/2024 | 9:00:00 PM | 33.26283 | 59.43366 | 26.17083 | 21.55917 | 47.31656 | 14.05373 | 24.59627 | 48.84777 | 15.58494 | 23.76506 | 40.35757 | 7.09474 | 22.71526 | 43.90895 | 10.64612 | 55.56388 |
| 12/13/2024 | 10:00:00 PM | 33.24611 | 59.4158 | 26.16969 | 21.56031 | 47.3065 | 14.06039 | 24.58961 | 48.82638 | 15.58027 | 23.76973 | 40.33968 | 7.09357 | 22.71643 | 43.9018 | 10.65569 | 55.55431 |
| 12/13/2024 | 11:00:00 PM | 33.2528 | 59.43009 | 26.17729 | 21.55271 | 47.31321 | 14.06041 | 24.58959 | 48.83708 | 15.58428 | 23.76572 | 40.34684 | 7.09404 | 22.71596 | 43.90538 | 10.65258 | 55.55742 |
| 12/14/2024 | 12:00:00 AM | 33.23942 | 59.40509 | 26.16567 | 21.56433 | 47.29979 | 14.06037 | 24.58963 | 48.81569 | 15.57627 | 23.77373 | 40.31821 | 7.07879 | 22.73121 | 43.89108 | 10.65166 | 55.55834 |
| 12/14/2024 | 1:00:00 AM | 33.22939 | 59.38009 | 26.1507 | 21.5793 | 47.2629 | 14.03351 | 24.61649 | 48.78003 | 15.55064 | 23.79936 | 40.29675 | 7.06736 | 22.74264 | 43.86249 | 10.6331 | 55.5769 |
| 12/14/2024 | 2:00:00 AM | 33.23273 | 59.38367 | 26.15094 | 21.57906 | 47.26961 | 14.03688 | 24.61312 | 48.78717 | 15.55444 | 23.79556 | 40.30748 | 7.07475 | 22.73525 | 43.86964 | 10.63691 | 55.57309 |
| 12/14/2024 | 3:00:00 AM | 33.23942 | 59.39795 | 26.15853 | 21.57147 | 47.29979 | 14.06037 | 24.58963 | 48.80856 | 15.56914 | 23.78086 | 40.31106 | 7.07164 | 22.73836 | 43.89823 | 10.65881 | 55.55119 |
| 12/14/2024 | 4:00:00 AM | 33.23608 | 59.37295 | 26.13687 | 21.59313 | 47.27631 | 14.04023 | 24.60977 | 48.79073 | 15.55465 | 23.79535 | 40.28601 | 7.04993 | 22.76007 | 43.88393 | 10.64785 | 55.56215 |
| 12/14/2024 | 5:00:00 AM | 33.19595 | 59.33724 | 26.14129 | 21.58871 | 47.24613 | 14.05018 | 24.59982 | 48.76221 | 15.56626 | 23.78374 | 40.25739 | 7.06144 | 22.74856 | 43.8482 | 10.65225 | 55.55775 |
| 12/14/2024 | 6:00:00 AM | 33.16251 | 59.32296 | 26.16045 | 21.56955 | 47.22601 | 14.0635 | 24.5865 | 48.73369 | 15.57118 | 23.77882 | 40.24308 | 7.08057 | 22.72943 | 43.83747 | 10.67496 | 55.53504 |
| 12/14/2024 | 7:00:00 AM | 33.18592 | 59.35867 | 26.17275 | 21.55725 | 47.25619 | 14.07027 | 24.57973 | 48.76577 | 15.57985 | 23.77015 | 40.28244 | 7.09652 | 22.71348 | 43.86606 | 10.68014 | 55.52986 |
| 12/14/2024 | 8:00:00 AM | 33.20264 | 59.38009 | 26.17745 | 21.55255 | 47.28638 | 14.08374 | 24.56626 | 48.80143 | 15.59879 | 23.75121 | 40.28601 | 7.08337 | 22.72663 | 43.88751 | 10.68487 | 55.52513 |
| 12/14/2024 | 9:00:00 AM | 33.21936 | 59.40509 | 26.18573 | 21.54427 | 47.31656 | 14.0972 | 24.5528 | 48.82638 | 15.60702 | 23.74298 | 40.28959 | 7.07023 | 22.73977 | 43.9161 | 10.69674 | 55.51326 |
| 12/14/2024 | 10:00:00 AM | 33.23608 | 59.39795 | 26.16187 | 21.56813 | 47.33668 | 14.1006 | 24.5494 | 48.85491 | 15.61883 | 23.73117 | 40.28601 | 7.04993 | 22.76007 | 43.92682 | 10.69074 | 55.51926 |
| 12/14/2024 | 11:00:00 AM | 33.24611 | 59.41223 | 26.16612 | 21.56388 | 47.3501 | 14.10399 | 24.54601 | 48.85847 | 15.61236 | 23.73764 | 40.28601 | 7.0399 | 22.7701 | 43.92682 | 10.68071 | 55.52929 |
| 12/14/2024 | 12:00:00 PM | 33.26283 | 59.42295 | 26.16012 | 21.56988 | 47.37022 | 14.10739 | 24.54261 | 48.88343 | 15.6206 | 23.7294 | 40.28959 | 7.02676 | 22.78324 | 43.93039 | 10.66756 | 55.54244 |
| 12/14/2024 | 1:00:00 PM | 33.2762 | 59.45508 | 26.17888 | 21.55112 | 47.40711 | 14.13091 | 24.51909 | 48.91908 | 15.64288 | 23.70712 | 40.30032 | 7.02412 | 22.78588 | 43.94469 | 10.66849 | 55.54151 |
| 12/14/2024 | 2:00:00 PM | 33.29292 | 59.46937 | 26.17645 | 21.55355 | 47.43395 | 14.14103 | 24.50897 | 48.94047 | 15.64755 | 23.70245 | 40.3039 | 7.01098 | 22.79902 | 43.95541 | 10.66249 | 55.54751 |
| 12/14/2024 | 3:00:00 PM | 33.3063 | 59.48008 | 26.17378 | 21.55622 | 47.45742 | 14.15112 | 24.49888 | 48.95473 | 15.64843 | 23.70157 | 40.30748 | 7.00118 | 22.80882 | 43.95541 | 10.64911 | 55.56089 |
| 12/14/2024 | 4:00:00 PM | 33.31968 | 59.53007 | 26.21039 | 21.51961 | 47.50438 | 14.1847 | 24.4653 | 48.99752 | 15.67784 | 23.67216 | 40.3361 | 7.01642 | 22.79358 | 43.99115 | 10.67147 | 55.53853 |
| 12/14/2024 | 5:00:00 PM | 33.33974 | 59.55507 | 26.21533 | 21.51467 | 47.55133 | 14.21159 | 24.43841 | 49.04386 | 15.70412 | 23.64588 | 40.35041 | 7.01067 | 22.79933 | 44.00902 | 10.66928 | 55.54072 |
| 12/14/2024 | 6:00:00 PM | 33.36315 | 59.58721 | 26.22406 | 21.50594 | 47.58487 | 14.22172 | 24.42828 | 49.07952 | 15.71637 | 23.63363 | 40.36472 | 7.00157 | 22.80843 | 44.01259 | 10.64944 | 55.56056 |
| 12/14/2024 | 7:00:00 PM | 33.3899 | 59.6122 | 26.2223 | 21.5077 | 47.62512 | 14.23522 | 24.41478 | 49.1223 | 15.7324 | 23.6176 | 40.37904 | 6.98914 | 22.82086 | 44.02689 | 10.63699 | 55.57301 |
| 12/14/2024 | 8:00:00 PM | 33.42 | 59.61577 | 26.19577 | 21.53423 | 47.64524 | 14.22524 | 24.42476 | 49.12587 | 15.70587 | 23.64413 | 40.36472 | 6.94472 | 22.86528 | 44.00902 | 10.58902 | 55.62098 |
| 12/14/2024 | 9:00:00 PM | 33.4434 | 59.64077 | 26.19737 | 21.53263 | 47.66872 | 14.22532 | 24.42468 | 49.15439 | 15.71099 | 23.63901 | 40.37546 | 6.93206 | 22.87794 | 44.00187 | 10.55847 | 55.65153 |
| 12/14/2024 | 10:00:00 PM | 33.48353 | 59.65148 | 26.16795 | 21.56205 | 47.69219 | 14.20866 | 24.44134 | 49.17578 | 15.69225 | 23.65775 | 40.39335 | 6.90982 | 22.90018 | 44.00545 | 10.52192 | 55.68808 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/14/2024 | 11:00:00 PM | 33.51697 | 59.68719 | 26.17022 | 21.55978 | 47.72573 | 14.20876 | 24.44124 | 49.2043 | 15.68733 | 23.66267 | 40.41124 | 6.89427 | 22.91573 | 44.00545 | 10.48848 | 55.72152 |
| 12/14/2024 | 12:00:00 AM | 33.5571 | 59.71933 | 26.16223 | 21.56777 | 47.76933 | 14.21223 | 24.43777 | 49.23995 | 15.68285 | 23.66715 | 40.42913 | 6.87203 | 22.93797 | 44.03046 | 10.47336 | 55.73664 |
| 12/15/2024 | 1:00:00 AM | 33.58051 | 59.73361 | 26.1531 | 21.5769 | 47.7861 | 14.20559 | 24.44441 | 49.26135 | 15.68084 | 23.66916 | 40.42913 | 6.84862 | 22.96138 | 44.01617 | 10.43566 | 55.77434 |
| 12/15/2024 | 2:00:00 AM | 33.60726 | 59.75504 | 26.14778 | 21.58222 | 47.81293 | 14.20567 | 24.44433 | 49.27204 | 15.66478 | 23.68522 | 40.43986 | 6.8326 | 22.9774 | 44.01617 | 10.40891 | 55.80109 |
| 12/15/2024 | 3:00:00 AM | 33.63736 | 59.7836 | 26.14624 | 21.58376 | 47.84647 | 14.20911 | 24.44089 | 49.297 | 15.65964 | 23.69036 | 40.46133 | 6.82397 | 22.98603 | 44.01974 | 10.38238 | 55.82762 |
| 12/15/2024 | 4:00:00 AM | 33.66076 | 59.79432 | 26.13356 | 21.59644 | 47.86324 | 14.20248 | 24.44752 | 49.31839 | 15.65763 | 23.69237 | 40.46848 | 6.80772 | 23.00228 | 44.02332 | 10.36256 | 55.84744 |
| 12/15/2024 | 5:00:00 AM | 33.6942 | 59.82288 | 26.12868 | 21.60132 | 47.89007 | 14.19587 | 24.45413 | 49.34691 | 15.65271 | 23.69729 | 40.48279 | 6.78859 | 23.02141 | 44.03046 | 10.33626 | 55.87374 |
| 12/15/2024 | 6:00:00 AM | 33.7243 | 59.84788 | 26.12358 | 21.60642 | 47.92361 | 14.19931 | 24.45069 | 49.379 | 15.6547 | 23.6953 | 40.50784 | 6.78354 | 23.02646 | 44.04476 | 10.32046 | 55.88954 |
| 12/15/2024 | 7:00:00 AM | 33.74436 | 59.85859 | 26.11423 | 21.61577 | 47.94038 | 14.19602 | 24.45398 | 49.39326 | 15.6489 | 23.7011 | 40.51141 | 6.76705 | 23.04295 | 44.03761 | 10.29325 | 55.91675 |
| 12/15/2024 | 8:00:00 AM | 33.76443 | 59.88359 | 26.11916 | 21.61084 | 47.96386 | 14.19943 | 24.45057 | 49.41465 | 15.65022 | 23.69978 | 40.5293 | 6.76487 | 23.04513 | 44.03046 | 10.26603 | 55.94397 |
| 12/15/2024 | 9:00:00 AM | 33.79118 | 59.89787 | 26.10669 | 21.62331 | 47.99069 | 14.19951 | 24.45049 | 49.43604 | 15.64486 | 23.70514 | 40.55077 | 6.75959 | 23.05041 | 44.04119 | 10.25001 | 55.95999 |
| 12/15/2024 | 10:00:00 AM | 33.81459 | 59.92287 | 26.10828 | 21.62172 | 48.01417 | 14.19958 | 24.45042 | 49.45031 | 15.63572 | 23.71428 | 40.56508 | 6.75049 | 23.05951 | 44.04833 | 10.23374 | 55.97626 |
| 12/15/2024 | 11:00:00 AM | 33.81793 | 59.91216 | 26.09423 | 21.63577 | 48.01081 | 14.19288 | 24.45712 | 49.44318 | 15.62525 | 23.72475 | 40.55435 | 6.73642 | 23.07358 | 44.02332 | 10.20539 | 56.00461 |
| 12/15/2024 | 12:00:00 PM | 33.82128 | 59.91573 | 26.09445 | 21.63555 | 47.9974 | 14.17612 | 24.47388 | 49.43248 | 15.6112 | 23.7388 | 40.5615 | 6.74022 | 23.06978 | 44.00187 | 10.18059 | 56.02941 |
| 12/15/2024 | 1:00:00 PM | 33.84134 | 59.91216 | 26.07082 | 21.65918 | 47.99069 | 14.14935 | 24.50065 | 49.42535 | 15.58401 | 23.76599 | 40.56508 | 6.72374 | 23.08626 | 43.97686 | 10.13552 | 56.07448 |
| 12/15/2024 | 2:00:00 PM | 33.82462 | 59.90501 | 26.08039 | 21.64961 | 47.97727 | 14.15265 | 24.49735 | 49.41109 | 15.58647 | 23.76353 | 40.5615 | 6.73688 | 23.07312 | 43.95899 | 10.13437 | 56.07563 |
| 12/15/2024 | 3:00:00 PM | 33.81793 | 59.90501 | 26.08708 | 21.64292 | 47.96051 | 14.14258 | 24.50742 | 49.39683 | 15.5789 | 23.7711 | 40.57939 | 6.76146 | 23.04854 | 43.95541 | 10.13748 | 56.07252 |
| 12/15/2024 | 4:00:00 PM | 33.81124 | 59.91573 | 26.10449 | 21.62551 | 47.96386 | 14.15262 | 24.49738 | 49.39683 | 15.58559 | 23.76441 | 40.59013 | 6.77889 | 23.03111 | 43.95184 | 10.1406 | 56.0694 |
| 12/15/2024 | 5:00:00 PM | 33.80121 | 59.90858 | 26.10737 | 21.62263 | 47.9538 | 14.15259 | 24.49741 | 49.3897 | 15.58849 | 23.76151 | 40.58655 | 6.78534 | 23.02466 | 43.94469 | 10.14348 | 56.06652 |
| 12/15/2024 | 6:00:00 PM | 33.77112 | 59.8943 | 26.12318 | 21.60682 | 47.93367 | 14.16255 | 24.48745 | 49.37187 | 15.60075 | 23.74925 | 40.57939 | 6.80827 | 23.00173 | 43.92325 | 10.15213 | 56.05787 |
| 12/15/2024 | 7:00:00 PM | 33.76108 | 59.88716 | 26.12608 | 21.60392 | 47.91355 | 14.15247 | 24.49753 | 49.34691 | 15.58583 | 23.76417 | 40.58297 | 6.82189 | 22.98811 | 43.9161 | 10.15502 | 56.05498 |
| 12/15/2024 | 8:00:00 PM | 33.74102 | 59.86216 | 26.12114 | 21.60886 | 47.88337 | 14.14235 | 24.50765 | 49.32196 | 15.58094 | 23.76906 | 40.57581 | 6.83479 | 22.97521 | 43.89823 | 10.15721 | 56.05279 |
| 12/15/2024 | 9:00:00 PM | 33.72764 | 59.85502 | 26.12738 | 21.60262 | 47.86995 | 14.14231 | 24.50769 | 49.30769 | 15.58005 | 23.76995 | 40.57939 | 6.85175 | 22.95825 | 43.88036 | 10.15272 | 56.05728 |
| 12/15/2024 | 10:00:00 PM | 33.71761 | 59.83003 | 26.11242 | 21.61758 | 47.83306 | 14.11545 | 24.53455 | 49.26848 | 15.55087 | 23.79913 | 40.56866 | 6.85105 | 22.95895 | 43.86606 | 10.14845 | 56.06155 |
| 12/15/2024 | 11:00:00 PM | 33.70758 | 59.82288 | 26.1153 | 21.6147 | 47.81964 | 14.11206 | 24.53794 | 49.26135 | 15.55377 | 23.79623 | 40.58297 | 6.87539 | 22.93461 | 43.85892 | 10.15134 | 56.05866 |
| 12/16/2024 | 12:00:00 AM | 33.6942 | 59.79789 | 26.10369 | 21.62631 | 47.78275 | 14.08855 | 24.56145 | 49.21856 | 15.52436 | 23.82564 | 40.55435 | 6.86015 | 22.94985 | 43.8339 | 10.1397 | 56.0703 |
| 12/16/2024 | 1:00:00 AM | 33.65742 | 59.7479 | 26.09048 | 21.63952 | 47.71567 | 14.05825 | 24.59175 | 49.15795 | 15.50053 | 23.84947 | 40.52573 | 6.86831 | 22.94169 | 43.79459 | 10.13717 | 56.07283 |
| 12/16/2024 | 2:00:00 AM | 33.62064 | 59.73361 | 26.11297 | 21.61703 | 47.68213 | 14.06149 | 24.58851 | 49.13656 | 15.51592 | 23.83408 | 40.53646 | 6.91582 | 22.89418 | 43.79101 | 10.17037 | 56.03963 |
| 12/16/2024 | 3:00:00 AM | 33.62064 | 59.72647 | 26.10583 | 21.62417 | 47.67207 | 14.05143 | 24.59857 | 49.12943 | 15.50879 | 23.84121 | 40.54004 | 6.9194 | 22.8906 | 43.80888 | 10.18824 | 56.02176 |
| 12/16/2024 | 4:00:00 AM | 33.58385 | 59.71576 | 26.13191 | 21.59809 | 47.64189 | 14.05804 | 24.59196 | 49.10447 | 15.52062 | 23.82938 | 40.53646 | 6.95261 | 22.85739 | 43.80173 | 10.21788 | 55.99212 |
| 12/16/2024 | 5:00:00 AM | 33.59388 | 59.72647 | 26.13259 | 21.59741 | 47.65195 | 14.05807 | 24.59193 | 49.11517 | 15.52129 | 23.82871 | 40.55793 | 6.96405 | 22.84595 | 43.83747 | 10.24359 | 55.96641 |
| 12/16/2024 | 6:00:00 AM | 33.56379 | 59.71576 | 26.15197 | 21.57803 | 47.62847 | 14.06468 | 24.58532 | 49.09378 | 15.52999 | 23.82001 | 40.54004 | 6.97625 | 22.83375 | 43.82675 | 10.26296 | 55.94704 |
| 12/16/2024 | 7:00:00 AM | 33.56713 | 59.71576 | 26.14863 | 21.58137 | 47.62512 | 14.05799 | 24.59201 | 49.09378 | 15.52665 | 23.82335 | 40.53646 | 6.96933 | 22.84067 | 43.83747 | 10.27034 | 55.93966 |
| 12/16/2024 | 8:00:00 AM | 33.57716 | 59.73361 | 26.15645 | 21.57355 | 47.64859 | 14.07143 | 24.57857 | 49.11874 | 15.54158 | 23.80842 | 40.55793 | 6.98077 | 22.82923 | 43.87321 | 10.29605 | 55.91395 |
| 12/16/2024 | 9:00:00 AM | 33.59054 | 59.74432 | 26.15378 | 21.57622 | 47.66872 | 14.07818 | 24.57182 | 49.14013 | 15.54959 | 23.80041 | 40.56508 | 6.97454 | 22.83546 | 43.89823 | 10.30769 | 55.90231 |
| 12/16/2024 | 10:00:00 AM | 33.59723 | 59.74432 | 26.14709 | 21.58291 | 47.67207 | 14.07484 | 24.57516 | 49.14369 | 15.54646 | 23.80354 | 40.55793 | 6.9607 | 22.8493 | 43.89466 | 10.29743 | 55.91257 |
| 12/16/2024 | 11:00:00 AM | 33.60392 | 59.73361 | 26.12969 | 21.60031 | 47.66201 | 14.05809 | 24.59191 | 49.133 | 15.52908 | 23.82092 | 40.54361 | 6.93969 | 22.87031 | 43.88036 | 10.27644 | 55.93356 |
| 12/16/2024 | 12:00:00 PM | 33.59388 | 59.73004 | 26.13616 | 21.59384 | 47.65195 | 14.05807 | 24.59193 | 49.12587 | 15.53199 | 23.81801 | 40.54004 | 6.94616 | 22.86384 | 43.87679 | 10.28291 | 55.92709 |
| 12/16/2024 | 1:00:00 PM | 33.59388 | 59.72647 | 26.13259 | 21.59741 | 47.65866 | 14.06478 | 24.58522 | 49.1223 | 15.52842 | 23.82158 | 40.54004 | 6.94616 | 22.86384 | 43.87321 | 10.27933 | 55.93067 |
| 12/16/2024 | 2:00:00 PM | 33.59723 | 59.7229 | 26.12567 | 21.60433 | 47.66201 | 14.06478 | 24.58522 | 49.12587 | 15.52864 | 23.82136 | 40.53646 | 6.93923 | 22.87077 | 43.88036 | 10.28313 | 55.92687 |
| 12/16/2024 | 3:00:00 PM | 33.59723 | 59.72647 | 26.12924 | 21.60076 | 47.66201 | 14.06478 | 24.58522 | 49.12943 | 15.5322 | 23.8178 | 40.54361 | 6.94638 | 22.86362 | 43.88036 | 10.28313 | 55.92687 |
| 12/16/2024 | 4:00:00 PM | 33.60392 | 59.74075 | 26.13683 | 21.59317 | 47.66872 | 14.0648 | 24.5852 | 49.14013 | 15.53621 | 23.81379 | 40.54361 | 6.93969 | 22.87031 | 43.89108 | 10.28716 | 55.92284 |
| 12/16/2024 | 5:00:00 PM | 33.60726 | 59.75861 | 26.15135 | 21.57865 | 47.69219 | 14.08493 | 24.56507 | 49.14369 | 15.53643 | 23.81357 | 40.55077 | 6.94351 | 22.86649 | 43.90895 | 10.30169 | 55.90831 |
| 12/16/2024 | 6:00:00 PM | 33.60392 | 59.7479 | 26.14398 | 21.58602 | 47.69219 | 14.08827 | 24.56173 | 49.15082 | 15.5469 | 23.8031 | 40.54361 | 6.93969 | 22.87031 | 43.90895 | 10.30503 | 55.90497 |
| 12/16/2024 | 7:00:00 PM | 33.60057 | 59.7479 | 26.14733 | 21.58267 | 47.69219 | 14.09162 | 24.55838 | 49.15439 | 15.55382 | 23.79618 | 40.54361 | 6.94304 | 22.86696 | 43.90895 | 10.30838 | 55.90162 |
| 12/16/2024 | 8:00:00 PM | 33.59054 | 59.74075 | 26.15021 | 21.57979 | 47.69219 | 14.10165 | 24.54835 | 49.15439 | 15.56385 | 23.78615 | 40.54361 | 6.95307 | 22.85693 | 43.9018 | 10.31126 | 55.89874 |
| 12/16/2024 | 9:00:00 PM | 33.59054 | 59.75504 | 26.1645 | 21.5655 | 47.6989 | 14.10836 | 24.54164 | 49.15795 | 15.56741 | 23.78259 | 40.54719 | 6.95665 | 22.85335 | 43.90538 | 10.31484 | 55.89516 |
| 12/16/2024 | 10:00:00 PM | 33.59723 | 59.76575 | 26.16852 | 21.56148 | 47.71232 | 14.11509 | 24.53491 | 49.16508 | 15.56785 | 23.78215 | 40.55793 | 6.9607 | 22.8493 | 43.9161 | 10.31887 | 55.89113 |
| 12/16/2024 | 11:00:00 PM | 33.61395 | 59.79075 | 26.1768 | 21.5532 | 47.74586 | 14.13191 | 24.51809 | 49.20074 | 15.58679 | 23.76321 | 40.58297 | 6.96902 | 22.84098 | 43.93397 | 10.32002 | 55.88998 |
| 12/17/2024 | 12:00:00 AM | 33.63067 | 59.81574 | 26.18507 | 21.54493 | 47.77604 | 14.14537 | 24.50463 | 49.22926 | 15.59859 | 23.75141 | 40.59013 | 6.95946 | 22.85054 | 43.96971 | 10.33904 | 55.87096 |
| 12/17/2024 | 1:00:00 AM | 33.63401 | 59.82645 | 26.19244 | 21.53756 | 47.79952 | 14.16551 | 24.48449 | 49.23995 | 15.60594 | 23.74406 | 40.59728 | 6.96327 | 22.84673 | 43.96256 | 10.32855 | 55.88145 |
| 12/17/2024 | 2:00:00 AM | 33.64739 | 59.84431 | 26.19692 | 21.53308 | 47.823 | 14.17561 | 24.47439 | 49.26491 | 15.61752 | 23.73248 | 40.61159 | 6.9642 | 22.8458 | 43.97328 | 10.32589 | 55.88411 |
| 12/17/2024 | 3:00:00 AM | 33.65408 | 59.84074 | 26.18666 | 21.54334 | 47.82635 | 14.17227 | 24.47773 | 49.27204 | 15.61796 | 23.73204 | 40.59728 | 6.9432 | 22.8668 | 43.96613 | 10.31205 | 55.89795 |
| 12/17/2024 | 4:00:00 AM | 33.64739 | 59.83717 | 26.18978 | 21.54022 | 47.81964 | 14.17225 | 24.47775 | 49.25778 | 15.61039 | 23.73961 | 40.59013 | 6.94274 | 22.86726 | 43.93754 | 10.29015 | 55.91985 |
| 12/17/2024 | 5:00:00 AM | 33.65742 | 59.85502 | 26.1976 | 21.5324 | 47.83641 | 14.17899 | 24.47101 | 49.27917 | 15.62175 | 23.72825 | 40.60444 | 6.94702 | 22.86298 | 43.95184 | 10.29442 | 55.91558 |
| 12/17/2024 | 6:00:00 AM | 33.67414 | 59.86573 | 26.19159 | 21.53841 | 47.85989 | 14.18575 | 24.46425 | 49.297 | 15.62286 | 23.72714 | 40.6259 | 6.95176 | 22.85824 | 43.96256 | 10.28842 | 55.92158 |
| 12/17/2024 | 7:00:00 AM | 33.66745 | 59.84788 | 26.18043 | 21.54957 | 47.8297 | 14.16225 | 24.48775 | 49.26848 | 15.60103 | 23.74897 | 40.5937 | 6.92625 | 22.88375 | 43.93397 | 10.26652 | 55.94348 |
| 12/17/2024 | 8:00:00 AM | 33.67414 | 59.86573 | 26.19159 | 21.53841 | 47.85989 | 14.18575 | 24.46425 | 49.29343 | 15.61929 | 23.73071 | 40.61159 | 6.93745 | 22.87255 | 43.95184 | 10.2777 | 55.9323 |
| 12/17/2024 | 9:00:00 AM | 33.68752 | 59.88002 | 26.1925 | 21.5375 | 47.8666 | 14.17908 | 24.47092 | 49.29343 | 15.60591 | 23.74409 | 40.62233 | 6.93481 | 22.87519 | 43.94826 | 10.26074 | 55.94926 |
| 12/17/2024 | 10:00:00 AM | 33.66745 | 59.85502 | 26.18757 | 21.54243 | 47.84312 | 14.17567 | 24.47433 | 49.27917 | 15.61172 | 23.73828 | 40.61159 | 6.94414 | 22.86586 | 43.91967 | 10.25222 | 55.95778 |
| 12/17/2024 | 11:00:00 AM | 33.66745 | 59.85145 | 26.184 | 21.546 | 47.83306 | 14.16561 | 24.48439 | 49.26848 | 15.60103 | 23.74897 | 40.60444 | 6.93699 | 22.87301 | 43.90895 | 10.2415 | 55.9685 |
| 12/17/2024 | 12:00:00 PM | 33.64404 | 59.80146 | 26.15742 | 21.57258 | 47.77269 | 14.12865 | 24.52135 | 49.215 | 15.57096 | 23.77904 | 40.57939 | 6.93535 | 22.87465 | 43.85892 | 10.21488 | 55.99512 |
| 12/17/2024 | 1:00:00 PM | 33.6407 | 59.79075 | 26.15005 | 21.57995 | 47.75256 | 14.11186 | 24.53814 | 49.18648 | 15.54578 | 23.80422 | 40.58297 | 6.94227 | 22.86773 | 43.8482 | 10.2075 | 56.0025 |
| 12/17/2024 | 2:00:00 PM | 33.63067 | 59.79075 | 26.16008 | 21.56992 | 47.7358 | 14.10513 | 24.54487 | 49.17578 | 15.54511 | 23.80489 | 40.57939 | 6.94872 | 22.86128 | 43.83747 | 10.2068 | 56.0032 |
| 12/17/2024 | 3:00:00 PM | 33.63736 | 59.78003 | 26.14267 | 21.58733 | 47.72573 | 14.08837 | 24.56163 | 49.15082 | 15.51346 | 23.83654 | 40.57939 | 6.94203 | 22.86797 | 43.84462 | 10.20726 | 56.00274 |
| 12/17/2024 | 4:00:00 PM | 33.63067 | 59.77646 | 26.14579 | 21.58421 | 47.72909 | 14.09842 | 24.55158 | 49.15082 | 15.52015 | 23.82985 | 40.57939 | 6.94872 | 22.86128 | 43.8482 | 10.21753 | 55.99247 |
| 12/17/2024 | 5:00:00 PM | 33.62064 | 59.77289 | 26.15225 | 21.57775 | 47.72909 | 14.10845 | 24.54155 | 49.15082 | 15.53018 | 23.81982 | 40.57939 | 6.95875 | 22.85125 | 43.85177 | 10.23113 | 55.97887 |
| 12/17/2024 | 6:00:00 PM | 33.60392 | 59.77289 | 26.16897 | 21.56103 | 47.72238 | 14.11846 | 24.53154 | 49.14726 | 15.54334 | 23.80666 | 40.57224 | 6.96832 | 22.84168 | 43.85177 | 10.24785 | 55.96215 |
| 12/17/2024 | 7:00:00 PM | 33.5872 | 59.75861 | 26.17141 | 21.55859 | 47.71232 | 14.12512 | 24.52488 | 49.14013 | 15.55293 | 23.79707 | 40.56508 | 6.97788 | 22.83212 | 43.85177 | 10.26457 | 55.94543 |
| 12/17/2024 | 8:00:00 PM | 33.56713 | 59.75861 | 26.19148 | 21.53852 | 47.71232 | 14.14519 | 24.50481 | 49.133 | 15.56587 | 23.78413 | 40.56866 | 7.00153 | 22.80847 | 43.8482 | 10.28107 | 55.92893 |
| 12/17/2024 | 9:00:00 PM | 33.56713 | 59.75147 | 26.18434 | 21.54566 | 47.71567 | 14.14854 | 24.50146 | 49.13656 | 15.56943 | 23.78057 | 40.5615 | 6.99437 | 22.81563 | 43.85177 | 10.28464 | 55.92536 |
| 12/17/2024 | 10:00:00 PM | 33.53369 | 59.71933 | 26.18564 | 21.54436 | 47.69219 | 14.1585 | 24.4915 | 49.10804 | 15.57435 | 23.77565 | 40.53646 | 7.00277 | 22.80723 | 43.82318 | 10.28949 | 55.92051 |
| 12/17/2024 | 11:00:00 PM | 33.50694 | 59.70504 | 26.1981 | 21.5319 | 47.68213 | 14.17519 | 24.47481 | 49.09734 | 15.5904 | 23.7596 | 40.52215 | 7.01521 | 22.79479 | 43.80888 | 10.30194 | 55.90806 |
| 12/18/2024 | 12:00:00 AM | 33.4735 | 59.68005 | 26.20655 | 21.52345 | 47.66201 | 14.18851 | 24.46149 | 49.08308 | 15.60958 | 23.74042 | 40.51499 | 7.04149 | 22.76851 | 43.80173 | 10.32823 | 55.88177 |
| 12/18/2024 | 1:00:00 AM | 33.45344 | 59.66219 | 26.20875 | 21.52125 | 47.64524 | 14.1918 | 24.4582 | 49.05813 | 15.60469 | 23.74531 | 40.49353 | 7.04009 | 22.76991 | 43.78744 | 10.334 | 55.876 |
| 12/18/2024 | 2:00:00 AM | 33.44675 | 59.64077 | 26.19402 | 21.53598 | 47.63182 | 14.18507 | 24.46493 | 49.05813 | 15.61138 | 23.73862 | 40.48637 | 7.03962 | 22.77038 | 43.77314 | 10.32639 | 55.88361 |
| 12/18/2024 | 3:00:00 AM | 33.40662 | 59.62649 | 26.21987 | 21.51013 | 47.62176 | 14.21514 | 24.43486 | 49.05456 | 15.64794 | 23.70206 | 40.48637 | 7.07975 | 22.73025 | 43.77314 | 10.36652 | 55.84348 |
| 12/18/2024 | 4:00:00 AM | 33.40328 | 59.60506 | 26.20178 | 21.52822 | 47.60499 | 14.20171 | 24.44829 | 49.0403 | 15.63702 | 23.71298 | 40.4649 | 7.06162 | 22.74838 | 43.76957 | 10.36629 | 55.84371 |
| 12/18/2024 | 5:00:00 AM | 33.43672 | 59.68719 | 26.25047 | 21.47953 | 47.68213 | 14.24541 | 24.40459 | 49.11517 | 15.67845 | 23.67155 | 40.54004 | 7.10332 | 22.70668 | 43.8482 | 10.41148 | 55.79852 |
| 12/18/2024 | 6:00:00 AM | 33.48688 | 59.77646 | 26.28958 | 21.44042 | 47.80958 | 14.3227 | 24.3273 | 49.25422 | 15.76734 | 23.58266 | 40.58655 | 7.09967 | 22.71033 | 43.95541 | 10.46853 | 55.74147 |
| 12/18/2024 | 7:00:00 AM | 33.53369 | 59.8693 | 26.33561 | 21.39439 | 47.93032 | 14.39663 | 24.25337 | 49.38257 | 15.84888 | 23.50112 | 40.62948 | 7.09579 | 22.71421 | 44.04833 | 10.51464 | 55.69536 |
| 12/18/2024 | 8:00:00 AM | 33.6106 | 59.95143 | 26.34083 | 21.38917 | 48.05441 | 14.44381 | 24.20619 | 49.51092 | 15.90032 | 23.44968 | 40.68673 | 7.07613 | 22.73387 | 44.12339 | 10.51279 | 55.69721 |
| 12/18/2024 | 9:00:00 AM | 33.69086 | 59.99786 | 26.307 | 21.423 | 48.15168 | 14.46082 | 24.18918 | 49.60718 | 15.91632 | 23.43368 | 40.6903 | 6.99944 | 22.81056 | 44.15198 | 10.46112 | 55.74888 |
| 12/18/2024 | 10:00:00 AM | 33.74102 | 60.01571 | 26.27469 | 21.45531 | 48.20534 | 14.46432 | 24.18568 | 49.67492 | 15.9339 | 23.4161 | 40.67957 | 6.93855 | 22.87145 | 44.12339 | 10.38237 | 55.82763 |
| 12/18/2024 | 11:00:00 AM | 33.77112 | 60.03357 | 26.26245 | 21.46755 | 48.24894 | 14.47782 | 24.17218 | 49.73196 | 15.96084 | 23.38916 | 40.66884 | 6.89772 | 22.91228 | 44.11624 | 10.34512 | 55.86488 |
| 12/18/2024 | 12:00:00 PM | 33.80456 | 60.04071 | 26.23615 | 21.49385 | 48.27912 | 14.47456 | 24.17544 | 49.76405 | 15.95949 | 23.39051 | 40.66884 | 6.86428 | 22.94572 | 44.08765 | 10.28309 | 55.92691 |
| 12/18/2024 | 1:00:00 PM | 33.82128 | 60.05142 | 26.23014 | 21.49986 | 48.3026 | 14.48132 | 24.16868 | 49.8104 | 15.98912 | 23.36088 | 40.67599 | 6.85471 | 22.95529 | 44.0805 | 10.25922 | 55.95078 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/18/2024 | 2:00:00 PM | 33.838 | 60.05142 | 26.21342 | 21.51658 | 48.31266 | 14.47466 | 24.17534 | 49.83892 | 16.00092 | 23.34908 | 40.67599 | 6.83799 | 22.97201 | 44.05191 | 10.21391 | 55.99609 |
| 12/18/2024 | 3:00:00 PM | 33.8614 | 60.07999 | 26.21859 | 21.51141 | 48.33614 | 14.47474 | 24.17526 | 49.8817 | 16.0203 | 23.3297 | 40.69388 | 6.83248 | 22.97752 | 44.05906 | 10.19766 | 56.01234 |
| 12/18/2024 | 4:00:00 PM | 33.88816 | 60.0907 | 26.20254 | 21.52746 | 48.34956 | 14.4614 | 24.1886 | 49.91736 | 16.0292 | 23.3208 | 40.71177 | 6.82361 | 22.98639 | 44.04833 | 10.16017 | 56.04983 |
| 12/18/2024 | 5:00:00 PM | 33.87812 | 60.07999 | 26.20187 | 21.52813 | 48.34285 | 14.46473 | 24.18527 | 49.93162 | 16.0535 | 23.2965 | 40.70104 | 6.82292 | 22.98708 | 44.02332 | 10.1452 | 56.0648 |
| 12/18/2024 | 6:00:00 PM | 33.86809 | 60.0657 | 26.19761 | 21.53239 | 48.32608 | 14.45799 | 24.19201 | 49.93518 | 16.06709 | 23.28291 | 40.70819 | 6.8401 | 22.9699 | 44.00902 | 10.14093 | 56.06907 |
| 12/18/2024 | 7:00:00 PM | 33.88147 | 60.07999 | 26.19852 | 21.53148 | 48.33279 | 14.45132 | 24.19868 | 49.96014 | 16.07867 | 23.27133 | 40.7225 | 6.84103 | 22.96897 | 43.99473 | 10.11326 | 56.09674 |
| 12/18/2024 | 8:00:00 PM | 33.89819 | 60.10498 | 26.20679 | 21.52321 | 48.35626 | 14.45807 | 24.19193 | 49.99223 | 16.09404 | 23.25596 | 40.74397 | 6.84578 | 22.96422 | 44.01617 | 10.11798 | 56.09202 |
| 12/18/2024 | 9:00:00 PM | 33.89484 | 60.10141 | 26.20657 | 21.52343 | 48.35626 | 14.46142 | 24.18858 | 50.00649 | 16.11165 | 23.23835 | 40.74755 | 6.85271 | 22.95729 | 44.00902 | 10.11418 | 56.09582 |
| 12/18/2024 | 10:00:00 PM | 33.88816 | 60.08356 | 26.1954 | 21.5346 | 48.32608 | 14.43792 | 24.21208 | 50.00649 | 16.11833 | 23.23167 | 40.73682 | 6.84866 | 22.96134 | 43.97686 | 10.0887 | 56.1213 |
| 12/18/2024 | 11:00:00 PM | 33.88147 | 60.07999 | 26.19852 | 21.53148 | 48.32272 | 14.44125 | 24.20875 | 50.00292 | 16.12145 | 23.22855 | 40.74755 | 6.86608 | 22.94392 | 43.96256 | 10.08109 | 56.12891 |
| 12/19/2024 | 12:00:00 AM | 33.87144 | 60.07284 | 26.2014 | 21.5286 | 48.28919 | 14.41775 | 24.23225 | 49.98866 | 16.11722 | 23.23278 | 40.74397 | 6.87253 | 22.93747 | 43.94469 | 10.07325 | 56.13675 |
| 12/19/2024 | 1:00:00 AM | 33.85137 | 60.06213 | 26.21076 | 21.51924 | 48.27577 | 14.4244 | 24.2256 | 49.98866 | 16.13729 | 23.21271 | 40.74755 | 6.89618 | 22.91382 | 43.93754 | 10.08617 | 56.12383 |
| 12/19/2024 | 2:00:00 AM | 33.84803 | 60.05499 | 26.20696 | 21.52304 | 48.26235 | 14.41432 | 24.23568 | 49.98153 | 16.1335 | 23.2165 | 40.74755 | 6.89952 | 22.91048 | 43.92682 | 10.07879 | 56.13121 |
| 12/19/2024 | 3:00:00 AM | 33.84468 | 60.04071 | 26.19603 | 21.53397 | 48.23217 | 14.38749 | 24.26251 | 49.9637 | 16.11902 | 23.23098 | 40.74755 | 6.90287 | 22.90713 | 43.90895 | 10.06427 | 56.14573 |
| 12/19/2024 | 4:00:00 AM | 33.838 | 60.03357 | 26.19557 | 21.53443 | 48.21875 | 14.38075 | 24.26925 | 49.95657 | 16.11857 | 23.23143 | 40.74755 | 6.90955 | 22.90045 | 43.91253 | 10.07453 | 56.13547 |
| 12/19/2024 | 5:00:00 AM | 33.79118 | 60.02285 | 26.23167 | 21.49833 | 48.19528 | 14.4041 | 24.2459 | 49.94231 | 16.15113 | 23.19887 | 40.74397 | 6.95279 | 22.85721 | 43.9018 | 10.11062 | 56.09938 |
| 12/19/2024 | 6:00:00 AM | 33.78115 | 59.98 | 26.19885 | 21.53115 | 48.14161 | 14.36046 | 24.28954 | 49.9031 | 16.12195 | 23.22805 | 40.72608 | 6.94493 | 22.86507 | 43.86249 | 10.08134 | 56.12866 |
| 12/19/2024 | 7:00:00 AM | 33.76443 | 59.96929 | 26.20486 | 21.52514 | 48.10472 | 14.34029 | 24.30971 | 49.86388 | 16.09945 | 23.25055 | 40.71893 | 6.9545 | 22.8555 | 43.85534 | 10.09091 | 56.11909 |
| 12/19/2024 | 8:00:00 AM | 33.7544 | 59.96572 | 26.21132 | 21.51868 | 48.09801 | 14.34361 | 24.30639 | 49.86388 | 16.10948 | 23.24052 | 40.72608 | 6.97168 | 22.83832 | 43.86249 | 10.10809 | 56.10191 |
| 12/19/2024 | 9:00:00 AM | 33.76777 | 59.99429 | 26.22652 | 21.50348 | 48.10808 | 14.34031 | 24.30969 | 49.88527 | 16.1175 | 23.2325 | 40.76544 | 6.99767 | 22.81233 | 43.89466 | 10.12689 | 56.08311 |
| 12/19/2024 | 10:00:00 AM | 33.76777 | 59.97643 | 26.20866 | 21.52134 | 48.09466 | 14.32689 | 24.32311 | 49.86744 | 16.09967 | 23.25033 | 40.75113 | 6.98336 | 22.82664 | 43.89108 | 10.12331 | 56.08669 |
| 12/19/2024 | 11:00:00 AM | 33.76108 | 59.94429 | 26.18321 | 21.54679 | 48.05777 | 14.29669 | 24.35331 | 49.83535 | 16.07427 | 23.27573 | 40.73324 | 6.97216 | 22.83784 | 43.86249 | 10.10141 | 56.10859 |
| 12/19/2024 | 12:00:00 PM | 33.7544 | 59.94072 | 26.18632 | 21.54368 | 48.05441 | 14.30001 | 24.34999 | 49.82466 | 16.07026 | 23.27974 | 40.73324 | 6.97884 | 22.83116 | 43.86964 | 10.11524 | 56.09476 |
| 12/19/2024 | 1:00:00 PM | 33.6942 | 59.8943 | 26.2001 | 21.5299 | 47.99069 | 14.29649 | 24.35351 | 49.77118 | 16.07698 | 23.27302 | 40.70462 | 7.01042 | 22.79958 | 43.8339 | 10.1397 | 56.0703 |
| 12/19/2024 | 2:00:00 PM | 33.66076 | 59.8693 | 26.20854 | 21.52146 | 47.9538 | 14.29304 | 24.35696 | 49.73196 | 16.0712 | 23.2788 | 40.69388 | 7.03312 | 22.77688 | 43.80888 | 10.14812 | 56.06188 |
| 12/19/2024 | 3:00:00 PM | 33.63736 | 59.86216 | 26.2248 | 21.5052 | 47.92697 | 14.28961 | 24.36039 | 49.7177 | 16.08034 | 23.26966 | 40.69746 | 7.0601 | 22.7499 | 43.82318 | 10.18582 | 56.02418 |
| 12/19/2024 | 4:00:00 PM | 33.64739 | 59.88002 | 26.23263 | 21.49737 | 47.94709 | 14.2997 | 24.3503 | 49.73553 | 16.08814 | 23.26186 | 40.7225 | 7.07511 | 22.73489 | 43.85892 | 10.21153 | 55.99847 |
| 12/19/2024 | 5:00:00 PM | 33.66745 | 59.91573 | 26.24828 | 21.48172 | 47.97727 | 14.30982 | 24.34018 | 49.76761 | 16.10016 | 23.24984 | 40.75113 | 7.08368 | 22.72632 | 43.9018 | 10.23435 | 55.97565 |
| 12/19/2024 | 6:00:00 PM | 33.68417 | 59.94072 | 26.25655 | 21.47345 | 48.00075 | 14.31658 | 24.33342 | 49.79257 | 16.1084 | 23.2416 | 40.75113 | 7.06696 | 22.74304 | 43.93754 | 10.25337 | 55.95663 |
| 12/19/2024 | 7:00:00 PM | 33.68083 | 59.93715 | 26.25632 | 21.47368 | 48.00411 | 14.32328 | 24.32672 | 49.79257 | 16.11174 | 23.23826 | 40.74397 | 7.06314 | 22.74686 | 43.93397 | 10.25314 | 55.95686 |
| 12/19/2024 | 8:00:00 PM | 33.6942 | 59.94072 | 26.24652 | 21.48348 | 48.01417 | 14.31997 | 24.33003 | 49.80327 | 16.10907 | 23.24093 | 40.73682 | 7.04262 | 22.76738 | 43.94112 | 10.24692 | 55.96308 |
| 12/19/2024 | 9:00:00 PM | 33.70424 | 59.95501 | 26.25077 | 21.47923 | 48.03094 | 14.3267 | 24.3233 | 49.8104 | 16.10616 | 23.24384 | 40.74039 | 7.03615 | 22.77385 | 43.95184 | 10.2476 | 55.9624 |
| 12/19/2024 | 10:00:00 PM | 33.70424 | 59.95143 | 26.24719 | 21.48281 | 48.041 | 14.33676 | 24.31324 | 49.80683 | 16.10259 | 23.24741 | 40.74039 | 7.03615 | 22.77385 | 43.95184 | 10.2476 | 55.9624 |
| 12/19/2024 | 11:00:00 PM | 33.71092 | 59.95501 | 26.24409 | 21.48591 | 48.03429 | 14.32337 | 24.32663 | 49.80683 | 16.09591 | 23.25409 | 40.74039 | 7.02947 | 22.78053 | 43.94469 | 10.23377 | 55.97623 |
| 12/20/2024 | 12:00:00 AM | 33.70758 | 59.94072 | 26.23314 | 21.49686 | 48.02758 | 14.32 | 24.33 | 49.78901 | 16.08143 | 23.26857 | 40.73324 | 7.02566 | 22.78434 | 43.93754 | 10.22996 | 55.98004 |
| 12/20/2024 | 1:00:00 AM | 33.70089 | 59.94786 | 26.24697 | 21.48303 | 48.02758 | 14.32669 | 24.32331 | 49.78901 | 16.08812 | 23.26188 | 40.72608 | 7.02519 | 22.78481 | 43.93039 | 10.2295 | 55.9805 |
| 12/20/2024 | 2:00:00 AM | 33.69755 | 59.94786 | 26.25031 | 21.47969 | 48.041 | 14.34345 | 24.30655 | 49.7997 | 16.10215 | 23.24785 | 40.74397 | 7.04642 | 22.76358 | 43.94826 | 10.25071 | 55.95929 |
| 12/20/2024 | 3:00:00 AM | 33.68417 | 59.93715 | 26.25298 | 21.47702 | 48.02423 | 14.34006 | 24.30994 | 49.77475 | 16.09058 | 23.25942 | 40.73324 | 7.04907 | 22.76093 | 43.93039 | 10.24622 | 55.96378 |
| 12/20/2024 | 4:00:00 AM | 33.68752 | 59.93715 | 26.24963 | 21.48037 | 48.01417 | 14.32665 | 24.32335 | 49.76761 | 16.08009 | 23.26991 | 40.72608 | 7.03856 | 22.77144 | 43.9161 | 10.22858 | 55.98142 |
| 12/20/2024 | 5:00:00 AM | 33.6708 | 59.91216 | 26.24136 | 21.48864 | 47.9974 | 14.3266 | 24.3234 | 49.74266 | 16.07186 | 23.27814 | 40.7225 | 7.0517 | 22.7583 | 43.89466 | 10.22386 | 55.98614 |
| 12/20/2024 | 6:00:00 AM | 33.67748 | 59.90858 | 26.2311 | 21.4989 | 47.99069 | 14.31321 | 24.33679 | 49.73909 | 16.06161 | 23.28839 | 40.7225 | 7.04502 | 22.76498 | 43.90538 | 10.2279 | 55.9821 |
| 12/20/2024 | 7:00:00 AM | 33.66745 | 59.89787 | 26.23042 | 21.49958 | 47.96721 | 14.29976 | 24.35024 | 49.70701 | 16.03956 | 23.31044 | 40.71535 | 7.0479 | 22.7621 | 43.88393 | 10.21648 | 55.99352 |
| 12/20/2024 | 8:00:00 AM | 33.66745 | 59.89073 | 26.22328 | 21.50672 | 47.96051 | 14.29306 | 24.35694 | 49.7177 | 16.05025 | 23.29975 | 40.72966 | 7.06221 | 22.74779 | 43.9018 | 10.23435 | 55.97565 |
| 12/20/2024 | 9:00:00 AM | 33.67414 | 59.90501 | 26.23087 | 21.49913 | 47.96051 | 14.28637 | 24.36363 | 49.7177 | 16.04356 | 23.30644 | 40.72966 | 7.05552 | 22.75448 | 43.89823 | 10.22409 | 55.98591 |
| 12/20/2024 | 10:00:00 AM | 33.68417 | 59.90858 | 26.22441 | 21.50559 | 47.95715 | 14.27298 | 24.37702 | 49.70344 | 16.01927 | 23.33073 | 40.7225 | 7.03833 | 22.77167 | 43.90895 | 10.22478 | 55.98522 |
| 12/20/2024 | 11:00:00 AM | 33.6708 | 59.87288 | 26.20208 | 21.52792 | 47.93703 | 14.26623 | 24.38377 | 49.67135 | 16.00055 | 23.34945 | 40.69746 | 7.02666 | 22.78334 | 43.89108 | 10.22028 | 55.98972 |
| 12/20/2024 | 12:00:00 PM | 33.65742 | 59.85502 | 26.1976 | 21.5324 | 47.90684 | 14.24942 | 24.40058 | 49.65709 | 15.99967 | 23.35033 | 40.70104 | 7.04362 | 22.76638 | 43.86964 | 10.21222 | 55.99778 |
| 12/20/2024 | 1:00:00 PM | 33.67414 | 59.88716 | 26.21302 | 21.51698 | 47.92697 | 14.25283 | 24.39717 | 49.67135 | 15.99721 | 23.35279 | 40.72966 | 7.05552 | 22.75448 | 43.9018 | 10.22766 | 55.98234 |
| 12/20/2024 | 2:00:00 PM | 33.70758 | 59.93715 | 26.22957 | 21.50043 | 47.98398 | 14.2764 | 24.3736 | 49.72127 | 16.01369 | 23.33631 | 40.76186 | 7.05428 | 22.75572 | 43.97328 | 10.2657 | 55.9443 |
| 12/20/2024 | 3:00:00 PM | 33.71427 | 59.92644 | 26.21217 | 21.51783 | 47.97727 | 14.263 | 24.387 | 49.7284 | 16.01413 | 23.33587 | 40.74755 | 7.03328 | 22.77672 | 43.95899 | 10.24472 | 55.96528 |
| 12/20/2024 | 4:00:00 PM | 33.72096 | 59.93001 | 26.20905 | 21.52095 | 47.98734 | 14.26638 | 24.38362 | 49.73196 | 16.011 | 23.339 | 40.73682 | 7.01586 | 22.79414 | 43.94826 | 10.2273 | 55.9827 |
| 12/20/2024 | 5:00:00 PM | 33.72096 | 59.93358 | 26.21262 | 21.51738 | 47.99404 | 14.27308 | 24.37692 | 49.72483 | 16.00387 | 23.34613 | 40.74039 | 7.01943 | 22.79057 | 43.94469 | 10.22373 | 55.98627 |
| 12/20/2024 | 6:00:00 PM | 33.71761 | 59.90858 | 26.19097 | 21.53903 | 47.97057 | 14.25296 | 24.39704 | 49.70701 | 15.9894 | 23.3606 | 40.71535 | 6.99774 | 22.81226 | 43.92325 | 10.20564 | 56.00436 |
| 12/20/2024 | 7:00:00 PM | 33.70424 | 59.9193 | 26.21506 | 21.51494 | 47.97727 | 14.27303 | 24.37697 | 49.70701 | 16.00277 | 23.34723 | 40.72608 | 7.02184 | 22.78816 | 43.92682 | 10.22258 | 55.98742 |
| 12/20/2024 | 8:00:00 PM | 33.70758 | 59.92287 | 26.21529 | 21.51471 | 47.97392 | 14.26634 | 24.38366 | 49.69274 | 15.98516 | 23.36484 | 40.7225 | 7.01492 | 22.79508 | 43.93039 | 10.22281 | 55.98719 |
| 12/20/2024 | 9:00:00 PM | 33.68752 | 59.88002 | 26.1925 | 21.5375 | 47.93703 | 14.24951 | 24.40049 | 49.66422 | 15.9767 | 23.3733 | 40.70462 | 7.0171 | 22.7929 | 43.88751 | 10.19999 | 56.01001 |
| 12/20/2024 | 10:00:00 PM | 33.6708 | 59.86573 | 26.19493 | 21.53507 | 47.90014 | 14.22934 | 24.42066 | 49.62144 | 15.95064 | 23.39936 | 40.70104 | 7.03024 | 22.77976 | 43.86964 | 10.19884 | 56.01116 |
| 12/20/2024 | 11:00:00 PM | 33.65408 | 59.84431 | 26.19023 | 21.53977 | 47.88337 | 14.22929 | 24.42071 | 49.59648 | 15.9424 | 23.4076 | 40.69746 | 7.04338 | 22.76662 | 43.86249 | 10.20841 | 56.00159 |
| 12/21/2024 | 12:00:00 AM | 33.6407 | 59.82288 | 26.18218 | 21.54782 | 47.84647 | 14.20577 | 24.44423 | 49.56083 | 15.92013 | 23.42987 | 40.67599 | 7.03529 | 22.77471 | 43.8339 | 10.1932 | 56.0168 |
| 12/21/2024 | 1:00:00 AM | 33.6106 | 59.76575 | 26.15515 | 21.57485 | 47.77604 | 14.16544 | 24.48456 | 49.49309 | 15.88249 | 23.46751 | 40.64022 | 7.02962 | 22.78038 | 43.79101 | 10.18041 | 56.02959 |
| 12/21/2024 | 2:00:00 AM | 33.57382 | 59.73004 | 26.15622 | 21.57378 | 47.7358 | 14.16198 | 24.48802 | 49.44318 | 15.86936 | 23.48064 | 40.63306 | 7.05924 | 22.75076 | 43.766 | 10.19218 | 56.01782 |
| 12/21/2024 | 3:00:00 AM | 33.49691 | 59.68719 | 26.19028 | 21.53972 | 47.67207 | 14.17516 | 24.47484 | 49.379 | 15.88209 | 23.46791 | 40.60802 | 7.11111 | 22.69889 | 43.74098 | 10.24407 | 55.96593 |
| 12/21/2024 | 4:00:00 AM | 33.45678 | 59.66934 | 26.21256 | 21.51744 | 47.63182 | 14.17504 | 24.47496 | 49.34335 | 15.88657 | 23.46343 | 40.60086 | 7.14408 | 22.66592 | 43.72311 | 10.26633 | 55.94367 |
| 12/21/2024 | 5:00:00 AM | 33.3899 | 59.61577 | 26.22587 | 21.50413 | 47.5681 | 14.1782 | 24.4718 | 49.27561 | 15.88571 | 23.46429 | 40.57224 | 7.18234 | 22.62766 | 43.69094 | 10.30104 | 55.90896 |
| 12/21/2024 | 6:00:00 AM | 33.39659 | 59.64434 | 26.24775 | 21.48225 | 47.57816 | 14.18157 | 24.46843 | 49.297 | 15.90041 | 23.44959 | 40.60802 | 7.21143 | 22.59857 | 43.74813 | 10.35154 | 55.85846 |
| 12/21/2024 | 7:00:00 AM | 33.40328 | 59.66219 | 26.25891 | 21.47109 | 47.58152 | 14.17824 | 24.47176 | 49.30413 | 15.90085 | 23.44915 | 40.62233 | 7.21905 | 22.59095 | 43.78386 | 10.38058 | 55.82942 |
| 12/21/2024 | 8:00:00 AM | 33.41665 | 59.65862 | 26.24197 | 21.48803 | 47.59158 | 14.17493 | 24.47507 | 49.31839 | 15.90174 | 23.44826 | 40.61517 | 7.19852 | 22.61148 | 43.80173 | 10.38508 | 55.82492 |
| 12/21/2024 | 9:00:00 AM | 33.45344 | 59.73004 | 26.2766 | 21.4534 | 47.66201 | 14.20857 | 24.44143 | 49.38613 | 15.93269 | 23.41731 | 40.66526 | 7.21182 | 22.59818 | 43.88751 | 10.43407 | 55.77593 |
| 12/21/2024 | 10:00:00 AM | 33.49022 | 59.77646 | 26.28624 | 21.44376 | 47.72573 | 14.23551 | 24.41449 | 49.44318 | 15.95296 | 23.39704 | 40.67957 | 7.18935 | 22.62065 | 43.93039 | 10.44017 | 55.76983 |
| 12/21/2024 | 11:00:00 AM | 33.50025 | 59.77289 | 26.27264 | 21.45736 | 47.7425 | 14.24225 | 24.40775 | 49.45744 | 15.95719 | 23.39281 | 40.6581 | 7.15785 | 22.65215 | 43.93754 | 10.43729 | 55.77271 |
| 12/21/2024 | 12:00:00 PM | 33.51028 | 59.7836 | 26.27332 | 21.45668 | 47.76263 | 14.25235 | 24.39765 | 49.4717 | 15.96142 | 23.38858 | 40.65453 | 7.14425 | 22.66575 | 43.93039 | 10.42011 | 55.78989 |
| 12/21/2024 | 1:00:00 PM | 33.52366 | 59.79432 | 26.27066 | 21.45934 | 47.77604 | 14.25238 | 24.39762 | 49.48596 | 15.9623 | 23.3877 | 40.64379 | 7.12013 | 22.68987 | 43.94112 | 10.41746 | 55.79254 |
| 12/21/2024 | 2:00:00 PM | 33.527 | 59.79432 | 26.26732 | 21.46268 | 47.7861 | 14.2591 | 24.3909 | 49.48952 | 15.96252 | 23.38748 | 40.63664 | 7.10964 | 22.70036 | 43.93039 | 10.40339 | 55.80661 |
| 12/21/2024 | 3:00:00 PM | 33.54038 | 59.82645 | 26.28607 | 21.44393 | 47.8297 | 14.28932 | 24.36068 | 49.52518 | 15.9848 | 23.3652 | 40.66526 | 7.12488 | 22.68512 | 43.95541 | 10.41503 | 55.79497 |
| 12/21/2024 | 4:00:00 PM | 33.53369 | 59.84788 | 26.31419 | 21.41581 | 47.85318 | 14.31949 | 24.33051 | 49.55013 | 16.01644 | 23.33356 | 40.66884 | 7.13515 | 22.67485 | 43.95541 | 10.42172 | 55.78828 |
| 12/21/2024 | 5:00:00 PM | 33.55376 | 59.85502 | 26.30126 | 21.42874 | 47.89343 | 14.33967 | 24.31033 | 49.57152 | 16.01776 | 23.33224 | 40.68315 | 7.12939 | 22.68061 | 43.96971 | 10.41595 | 55.79405 |
| 12/21/2024 | 6:00:00 PM | 33.56044 | 59.86573 | 26.30529 | 21.42471 | 47.90349 | 14.34305 | 24.30695 | 49.58579 | 16.02535 | 23.32465 | 40.67242 | 7.11198 | 22.69802 | 43.95899 | 10.39855 | 55.81145 |
| 12/21/2024 | 7:00:00 PM | 33.57716 | 59.87288 | 26.29572 | 21.43428 | 47.92361 | 14.34645 | 24.30355 | 49.59292 | 16.01576 | 23.33424 | 40.67242 | 7.09526 | 22.71474 | 43.95184 | 10.37468 | 55.83532 |
| 12/21/2024 | 8:00:00 PM | 33.59388 | 59.88359 | 26.28971 | 21.44029 | 47.94709 | 14.35321 | 24.29679 | 49.60005 | 16.00617 | 23.34383 | 40.68315 | 7.08927 | 22.72073 | 43.96256 | 10.36868 | 55.84132 |
| 12/21/2024 | 9:00:00 PM | 33.62398 | 59.90501 | 26.28103 | 21.44897 | 47.97392 | 14.34994 | 24.30006 | 49.6357 | 16.01172 | 23.33828 | 40.70104 | 7.07706 | 22.73294 | 43.96971 | 10.34573 | 55.86427 |
| 12/21/2024 | 10:00:00 PM | 33.63401 | 59.92287 | 26.28886 | 21.44114 | 47.99069 | 14.35668 | 24.29332 | 49.6464 | 16.01239 | 23.33761 | 40.70104 | 7.06703 | 22.74297 | 43.96971 | 10.3357 | 55.8743 |
| 12/21/2024 | 11:00:00 PM | 33.65073 | 59.92644 | 26.27571 | 21.45429 | 47.99404 | 14.34331 | 24.30669 | 49.64996 | 15.99923 | 23.35077 | 40.69746 | 7.04673 | 22.76327 | 43.95899 | 10.30826 | 55.90174 |
| 12/22/2024 | 12:00:00 AM | 33.64404 | 59.90858 | 26.26454 | 21.46546 | 47.99404 | 14.35 | 24.3 | 49.64283 | 15.99879 | 23.35121 | 40.69388 | 7.04984 | 22.76016 | 43.94826 | 10.30422 | 55.90578 |
| 12/22/2024 | 1:00:00 AM | 33.63736 | 59.90144 | 26.26408 | 21.46592 | 47.98734 | 14.34998 | 24.30002 | 49.6357 | 15.99834 | 23.35166 | 40.68673 | 7.04937 | 22.76063 | 43.93039 | 10.29303 | 55.91697 |
| 12/22/2024 | 2:00:00 AM | 33.64404 | 59.90144 | 26.2574 | 21.4726 | 47.98063 | 14.33659 | 24.31341 | 49.62857 | 15.98453 | 23.36547 | 40.69388 | 7.04984 | 22.76016 | 43.9161 | 10.27206 | 55.93794 |
| 12/22/2024 | 3:00:00 AM | 33.65073 | 59.91573 | 26.265 | 21.465 | 47.98398 | 14.33325 | 24.31675 | 49.63213 | 15.9814 | 23.3686 | 40.69746 | 7.04673 | 22.76327 | 43.9161 | 10.26537 | 55.94463 |
| 12/22/2024 | 4:00:00 AM | 33.64739 | 59.90858 | 26.26119 | 21.46881 | 47.96721 | 14.31982 | 24.33018 | 49.62144 | 15.97405 | 23.37595 | 40.6903 | 7.04291 | 22.76709 | 43.90538 | 10.25799 | 55.95201 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/22/2024 | 5:00:00 AM | 33.63401 | 59.88359 | 26.24958 | 21.48042 | 47.94709 | 14.31308 | 24.33692 | 49.59292 | 15.95891 | 23.39109 | 40.68315 | 7.04914 | 22.76086 | 43.88036 | 10.24635 | 55.96365 |
| 12/22/2024 | 6:00:00 AM | 33.61729 | 59.86573 | 26.24844 | 21.48156 | 47.9169 | 14.29961 | 24.35039 | 49.55013 | 15.93284 | 23.41716 | 40.67599 | 7.0587 | 22.7513 | 43.85534 | 10.23805 | 55.97195 |
| 12/22/2024 | 7:00:00 AM | 33.60726 | 59.83717 | 26.22991 | 21.50009 | 47.88001 | 14.27275 | 24.37725 | 49.51805 | 15.91079 | 23.43921 | 40.66168 | 7.05442 | 22.75558 | 43.82675 | 10.21949 | 55.99051 |
| 12/22/2024 | 8:00:00 AM | 33.57716 | 59.81574 | 26.23858 | 21.49142 | 47.83641 | 14.25925 | 24.39075 | 49.48596 | 15.9088 | 23.4412 | 40.65095 | 7.07379 | 22.73621 | 43.80531 | 10.22815 | 55.98185 |
| 12/22/2024 | 9:00:00 AM | 33.58051 | 59.83717 | 26.25666 | 21.47334 | 47.84983 | 14.26932 | 24.38068 | 49.50022 | 15.91971 | 23.43029 | 40.67957 | 7.09906 | 22.71094 | 43.82675 | 10.24624 | 55.96376 |
| 12/22/2024 | 10:00:00 AM | 33.59054 | 59.83717 | 26.24663 | 21.48337 | 47.83306 | 14.24252 | 24.40748 | 49.49309 | 15.90255 | 23.44745 | 40.67599 | 7.08545 | 22.72455 | 43.83747 | 10.24693 | 55.96307 |
| 12/22/2024 | 11:00:00 AM | 33.5872 | 59.82288 | 26.23568 | 21.49432 | 47.82635 | 14.23915 | 24.41085 | 49.47526 | 15.88806 | 23.46194 | 40.67242 | 7.08522 | 22.72478 | 43.8339 | 10.2467 | 55.9633 |
| 12/22/2024 | 12:00:00 PM | 33.56713 | 59.76575 | 26.19862 | 21.53138 | 47.76933 | 14.2022 | 24.4478 | 49.42535 | 15.85822 | 23.49178 | 40.62948 | 7.06235 | 22.74765 | 43.77672 | 10.20959 | 56.00041 |
| 12/22/2024 | 1:00:00 PM | 33.50694 | 59.73718 | 26.23024 | 21.49976 | 47.71903 | 14.21209 | 24.43791 | 49.379 | 15.87206 | 23.47794 | 40.60802 | 7.10108 | 22.70892 | 43.75527 | 10.24833 | 55.96167 |
| 12/22/2024 | 2:00:00 PM | 33.49022 | 59.7229 | 26.23268 | 21.49732 | 47.69219 | 14.20197 | 24.44803 | 49.35048 | 15.86026 | 23.48974 | 40.61159 | 7.12137 | 22.68863 | 43.74813 | 10.25791 | 55.95209 |
| 12/22/2024 | 3:00:00 PM | 33.4735 | 59.70147 | 26.22797 | 21.50203 | 47.65866 | 14.18516 | 24.46484 | 49.32909 | 15.85559 | 23.49441 | 40.61159 | 7.13809 | 22.67191 | 43.74098 | 10.26748 | 55.94252 |
| 12/22/2024 | 4:00:00 PM | 33.47016 | 59.73718 | 26.26702 | 21.46298 | 47.67878 | 14.20862 | 24.44138 | 49.33978 | 15.86962 | 23.48038 | 40.63306 | 7.1629 | 22.6471 | 43.79101 | 10.32085 | 55.88915 |
| 12/22/2024 | 5:00:00 PM | 33.4735 | 59.73361 | 26.26011 | 21.46989 | 47.67543 | 14.20193 | 24.44807 | 49.35404 | 15.88054 | 23.46946 | 40.64379 | 7.17029 | 22.63971 | 43.79816 | 10.32466 | 55.88534 |
| 12/22/2024 | 6:00:00 PM | 33.4735 | 59.73718 | 26.26368 | 21.46632 | 47.68213 | 14.20863 | 24.44137 | 49.35404 | 15.88054 | 23.46946 | 40.64022 | 7.16672 | 22.64328 | 43.80531 | 10.33181 | 55.87819 |
| 12/22/2024 | 7:00:00 PM | 33.48353 | 59.75147 | 26.26794 | 21.46206 | 47.68884 | 14.20531 | 24.44469 | 49.35404 | 15.87051 | 23.47949 | 40.64379 | 7.16026 | 22.64974 | 43.82318 | 10.33965 | 55.87035 |
| 12/22/2024 | 8:00:00 PM | 33.48688 | 59.76218 | 26.2753 | 21.4547 | 47.71567 | 14.22879 | 24.42121 | 49.379 | 15.89212 | 23.45788 | 40.64379 | 7.15691 | 22.65309 | 43.84462 | 10.35774 | 55.85226 |
| 12/22/2024 | 9:00:00 PM | 33.50694 | 59.77646 | 26.26952 | 21.46048 | 47.73244 | 14.2255 | 24.4245 | 49.39683 | 15.88989 | 23.46011 | 40.65095 | 7.14401 | 22.66599 | 43.86606 | 10.35912 | 55.85088 |
| 12/22/2024 | 10:00:00 PM | 33.51697 | 59.80146 | 26.28449 | 21.44551 | 47.75927 | 14.2423 | 24.4077 | 49.43248 | 15.91551 | 23.43449 | 40.66526 | 7.14829 | 22.66171 | 43.89466 | 10.37769 | 55.83231 |
| 12/22/2024 | 11:00:00 PM | 33.53035 | 59.81574 | 26.28539 | 21.44461 | 47.78275 | 14.2524 | 24.3976 | 49.45031 | 15.91996 | 23.43004 | 40.66526 | 7.13491 | 22.67509 | 43.89823 | 10.36788 | 55.84212 |
| 12/23/2024 | 12:00:00 AM | 33.53704 | 59.82645 | 26.28941 | 21.44059 | 47.79617 | 14.25913 | 24.39087 | 49.45744 | 15.9204 | 23.4296 | 40.66168 | 7.12464 | 22.68536 | 43.90538 | 10.36834 | 55.84166 |
| 12/23/2024 | 1:00:00 AM | 33.5571 | 59.85859 | 26.30149 | 21.42851 | 47.83977 | 14.28267 | 24.36733 | 49.50378 | 15.94668 | 23.40332 | 40.68315 | 7.12605 | 22.68395 | 43.94112 | 10.38402 | 55.82598 |
| 12/23/2024 | 2:00:00 AM | 33.57048 | 59.88002 | 26.30954 | 21.42046 | 47.86995 | 14.29947 | 24.35053 | 49.52874 | 15.95826 | 23.39174 | 40.69746 | 7.12698 | 22.68302 | 43.94112 | 10.37064 | 55.83936 |
| 12/23/2024 | 3:00:00 AM | 33.61729 | 59.91573 | 26.29844 | 21.43156 | 47.92026 | 14.30297 | 24.34703 | 49.57509 | 15.9578 | 23.3922 | 40.72608 | 7.10879 | 22.70121 | 43.97328 | 10.35599 | 55.85401 |
| 12/23/2024 | 4:00:00 AM | 33.66745 | 59.95143 | 26.28398 | 21.44602 | 47.97057 | 14.30312 | 24.34688 | 49.61431 | 15.94686 | 23.40314 | 40.74039 | 7.07294 | 22.73706 | 43.99473 | 10.32728 | 55.88272 |
| 12/23/2024 | 5:00:00 AM | 33.68417 | 59.95858 | 26.27441 | 21.45559 | 47.99404 | 14.30987 | 24.34013 | 49.64283 | 15.95866 | 23.39134 | 40.72966 | 7.04549 | 22.76451 | 43.99115 | 10.30698 | 55.90302 |
| 12/23/2024 | 6:00:00 AM | 33.70758 | 59.97286 | 26.26528 | 21.46472 | 48.01417 | 14.30659 | 24.34341 | 49.6464 | 15.93882 | 23.41118 | 40.72966 | 7.02208 | 22.78792 | 43.98758 | 10.28 | 55.93 |
| 12/23/2024 | 7:00:00 AM | 33.73099 | 59.98714 | 26.25615 | 21.47385 | 48.03094 | 14.29995 | 24.35005 | 49.66422 | 15.93323 | 23.41677 | 40.73682 | 7.00583 | 22.80417 | 43.98043 | 10.24944 | 55.96056 |
| 12/23/2024 | 8:00:00 AM | 33.73768 | 59.99071 | 26.25303 | 21.47697 | 48.04435 | 14.30667 | 24.34333 | 49.66779 | 15.93011 | 23.41989 | 40.72966 | 6.99198 | 22.81802 | 43.96971 | 10.23203 | 55.97797 |
| 12/23/2024 | 9:00:00 AM | 33.71427 | 59.95501 | 26.24074 | 21.48926 | 48.01752 | 14.30325 | 24.34675 | 49.63213 | 15.91786 | 23.43214 | 40.70104 | 6.98677 | 22.82323 | 43.92325 | 10.20898 | 56.00102 |
| 12/23/2024 | 10:00:00 AM | 33.71761 | 59.96215 | 26.24454 | 21.48546 | 48.01752 | 14.29991 | 24.35009 | 49.63213 | 15.91452 | 23.43548 | 40.72608 | 7.00847 | 22.80153 | 43.90895 | 10.19134 | 56.01866 |
| 12/23/2024 | 11:00:00 AM | 33.73099 | 59.98 | 26.24901 | 21.48099 | 48.02423 | 14.29324 | 24.35676 | 49.6357 | 15.90471 | 23.44529 | 40.72608 | 6.99509 | 22.81491 | 43.92325 | 10.19226 | 56.01774 |
| 12/23/2024 | 12:00:00 PM | 33.74102 | 59.95501 | 26.21399 | 21.51601 | 47.99404 | 14.25302 | 24.39698 | 49.61074 | 15.86972 | 23.48028 | 40.71893 | 6.97791 | 22.83209 | 43.88393 | 10.14291 | 56.06709 |
| 12/23/2024 | 1:00:00 PM | 33.72764 | 59.93001 | 26.20237 | 21.52763 | 47.97057 | 14.24293 | 24.40707 | 49.58935 | 15.86171 | 23.48829 | 40.71177 | 6.98413 | 22.82587 | 43.86249 | 10.13485 | 56.07515 |
| 12/23/2024 | 2:00:00 PM | 33.70758 | 59.8943 | 26.18672 | 21.54328 | 47.92697 | 14.21939 | 24.43061 | 49.543 | 15.83542 | 23.51458 | 40.69388 | 6.9863 | 22.8237 | 43.82675 | 10.11917 | 56.09083 |
| 12/23/2024 | 3:00:00 PM | 33.67748 | 59.85502 | 26.17754 | 21.55246 | 47.87666 | 14.19918 | 24.45082 | 49.49309 | 15.81561 | 23.53439 | 40.67599 | 6.99851 | 22.81149 | 43.79101 | 10.11353 | 56.09647 |
| 12/23/2024 | 4:00:00 PM | 33.61729 | 59.81217 | 26.19488 | 21.53512 | 47.81293 | 14.19564 | 24.45436 | 49.42178 | 15.80449 | 23.54551 | 40.64379 | 7.0265 | 22.7835 | 43.74098 | 10.12369 | 56.08631 |
| 12/23/2024 | 5:00:00 PM | 33.54372 | 59.75861 | 26.21489 | 21.51511 | 47.7425 | 14.19878 | 24.45122 | 49.35404 | 15.81032 | 23.53968 | 40.61517 | 7.07145 | 22.73855 | 43.70167 | 10.15795 | 56.05205 |
| 12/23/2024 | 6:00:00 PM | 33.52032 | 59.76932 | 26.249 | 21.481 | 47.73915 | 14.21883 | 24.43117 | 49.35761 | 15.83729 | 23.51271 | 40.65095 | 7.13063 | 22.67937 | 43.72311 | 10.20279 | 56.00721 |
| 12/23/2024 | 7:00:00 PM | 33.43337 | 59.66934 | 26.23597 | 21.49403 | 47.62512 | 14.19175 | 24.45825 | 49.25065 | 15.81728 | 23.53272 | 40.56508 | 7.13171 | 22.67829 | 43.6552 | 10.22183 | 55.98817 |
| 12/23/2024 | 8:00:00 PM | 33.34643 | 59.62291 | 26.27648 | 21.45352 | 47.54798 | 14.20155 | 24.44845 | 49.17935 | 15.83292 | 23.51708 | 40.55077 | 7.20434 | 22.60566 | 43.60874 | 10.26231 | 55.94769 |
| 12/23/2024 | 9:00:00 PM | 33.34643 | 59.63006 | 26.28363 | 21.44637 | 47.54462 | 14.19819 | 24.45181 | 49.17578 | 15.82935 | 23.52065 | 40.57581 | 7.22938 | 22.58062 | 43.64448 | 10.29805 | 55.91195 |
| 12/23/2024 | 10:00:00 PM | 33.31633 | 59.60506 | 26.28873 | 21.44127 | 47.50102 | 14.18469 | 24.46531 | 49.14013 | 15.8238 | 23.5262 | 40.5615 | 7.24517 | 22.56483 | 43.64806 | 10.33173 | 55.87827 |
| 12/23/2024 | 11:00:00 PM | 33.30296 | 59.61934 | 26.31638 | 21.41362 | 47.51444 | 14.21148 | 24.43852 | 49.14726 | 15.8443 | 23.5057 | 40.58655 | 7.28359 | 22.52641 | 43.69094 | 10.38798 | 55.82202 |
| 12/24/2024 | 12:00:00 AM | 33.29961 | 59.60149 | 26.30188 | 21.42812 | 47.48761 | 14.188 | 24.462 | 49.12943 | 15.82982 | 23.52018 | 40.56866 | 7.26905 | 22.54095 | 43.68737 | 10.38776 | 55.82224 |
| 12/24/2024 | 1:00:00 AM | 33.32302 | 59.64791 | 26.32489 | 21.40511 | 47.52785 | 14.20483 | 24.44517 | 49.17935 | 15.85633 | 23.49367 | 40.60802 | 7.285 | 22.525 | 43.75527 | 10.43225 | 55.77775 |
| 12/24/2024 | 2:00:00 AM | 33.34977 | 59.6979 | 26.34813 | 21.38187 | 47.59493 | 14.24516 | 24.40484 | 49.24352 | 15.89375 | 23.45625 | 40.64022 | 7.29045 | 22.51955 | 43.82675 | 10.47698 | 55.73302 |
| 12/24/2024 | 3:00:00 AM | 33.35312 | 59.70862 | 26.3555 | 21.3745 | 47.6117 | 14.25858 | 24.39142 | 49.26135 | 15.90823 | 23.44177 | 40.61517 | 7.26205 | 22.54795 | 43.83033 | 10.47721 | 55.73279 |
| 12/24/2024 | 4:00:00 AM | 33.3598 | 59.70504 | 26.34524 | 21.38476 | 47.62847 | 14.26867 | 24.38133 | 49.27204 | 15.91224 | 23.43776 | 40.61159 | 7.25179 | 22.55821 | 43.83033 | 10.47053 | 55.73947 |
| 12/24/2024 | 5:00:00 AM | 33.36649 | 59.71219 | 26.3457 | 21.3843 | 47.63853 | 14.27204 | 24.37796 | 49.2863 | 15.91981 | 23.43019 | 40.60444 | 7.23795 | 22.57205 | 43.83033 | 10.46384 | 55.74616 |
| 12/24/2024 | 6:00:00 AM | 33.36649 | 59.71219 | 26.3457 | 21.3843 | 47.64524 | 14.27875 | 24.37125 | 49.28274 | 15.91625 | 23.43375 | 40.60444 | 7.23795 | 22.57205 | 43.83033 | 10.46384 | 55.74616 |
| 12/24/2024 | 7:00:00 AM | 33.37987 | 59.73004 | 26.35017 | 21.37983 | 47.67207 | 14.2922 | 24.3578 | 49.31483 | 15.93496 | 23.41504 | 40.61159 | 7.23172 | 22.57828 | 43.8482 | 10.46833 | 55.74167 |
| 12/24/2024 | 8:00:00 AM | 33.37987 | 59.73004 | 26.35017 | 21.37983 | 47.67543 | 14.29556 | 24.35444 | 49.32196 | 15.94209 | 23.40791 | 40.60802 | 7.22815 | 22.58185 | 43.84105 | 10.46118 | 55.74882 |
| 12/24/2024 | 9:00:00 AM | 33.39993 | 59.76575 | 26.36582 | 21.36418 | 47.72573 | 14.3258 | 24.3242 | 49.35404 | 15.95411 | 23.39589 | 40.63664 | 7.23671 | 22.57329 | 43.87321 | 10.47328 | 55.73672 |
| 12/24/2024 | 10:00:00 AM | 33.41331 | 59.77646 | 26.36315 | 21.36685 | 47.74921 | 14.3359 | 24.3141 | 49.38257 | 15.96926 | 23.38074 | 40.63306 | 7.21975 | 22.59025 | 43.88393 | 10.47062 | 55.73938 |
| 12/24/2024 | 11:00:00 AM | 33.45009 | 59.79789 | 26.3478 | 21.3822 | 47.77269 | 14.3226 | 24.3274 | 49.40752 | 15.95743 | 23.39257 | 40.63664 | 7.18655 | 22.62345 | 43.88751 | 10.43742 | 55.77258 |
| 12/24/2024 | 12:00:00 PM | 33.45009 | 59.78717 | 26.33708 | 21.39292 | 47.77269 | 14.3226 | 24.3274 | 49.39326 | 15.94317 | 23.40683 | 40.62233 | 7.17224 | 22.63776 | 43.87321 | 10.42312 | 55.78688 |
| 12/24/2024 | 1:00:00 PM | 33.46681 | 59.79075 | 26.32394 | 21.40606 | 47.7861 | 14.31929 | 24.33071 | 49.41109 | 15.94428 | 23.40572 | 40.6259 | 7.15909 | 22.65091 | 43.87321 | 10.4064 | 55.8036 |
| 12/24/2024 | 2:00:00 PM | 33.47684 | 59.8086 | 26.33176 | 21.39824 | 47.80287 | 14.32603 | 24.32397 | 49.42891 | 15.95207 | 23.39793 | 40.63306 | 7.15622 | 22.65378 | 43.87321 | 10.39637 | 55.81363 |
| 12/24/2024 | 3:00:00 PM | 33.49691 | 59.81931 | 26.3224 | 21.4076 | 47.82635 | 14.32944 | 24.32056 | 49.43604 | 15.93913 | 23.41087 | 40.64022 | 7.14331 | 22.66669 | 43.87679 | 10.37988 | 55.83012 |
| 12/24/2024 | 4:00:00 PM | 33.52032 | 59.84074 | 26.32042 | 21.40958 | 47.84312 | 14.3228 | 24.3272 | 49.461 | 15.94068 | 23.40932 | 40.64737 | 7.12705 | 22.68295 | 43.88751 | 10.36719 | 55.84281 |
| 12/24/2024 | 5:00:00 PM | 33.54372 | 59.85502 | 26.3113 | 21.4187 | 47.86324 | 14.31952 | 24.33048 | 49.47883 | 15.93511 | 23.41489 | 40.66168 | 7.11796 | 22.69204 | 43.88751 | 10.34379 | 55.86621 |
| 12/24/2024 | 6:00:00 PM | 33.56379 | 59.87288 | 26.30909 | 21.42091 | 47.89007 | 14.32628 | 24.32372 | 49.49665 | 15.93286 | 23.41714 | 40.67242 | 7.10863 | 22.70137 | 43.90538 | 10.34159 | 55.86841 |
| 12/24/2024 | 7:00:00 PM | 33.58385 | 59.88359 | 26.29974 | 21.43026 | 47.90349 | 14.31964 | 24.33036 | 49.51448 | 15.93063 | 23.41937 | 40.67599 | 7.09214 | 22.71786 | 43.89823 | 10.31438 | 55.89562 |
| 12/24/2024 | 8:00:00 PM | 33.59723 | 59.89073 | 26.2935 | 21.4365 | 47.92026 | 14.32303 | 24.32697 | 49.52518 | 15.92795 | 23.42205 | 40.66884 | 7.07161 | 22.73839 | 43.9018 | 10.30457 | 55.90543 |
| 12/24/2024 | 9:00:00 PM | 33.60057 | 59.87645 | 26.27588 | 21.45412 | 47.9102 | 14.30963 | 24.34037 | 49.51448 | 15.91391 | 23.43609 | 40.66884 | 7.06827 | 22.74173 | 43.87679 | 10.27622 | 55.93378 |
| 12/24/2024 | 10:00:00 PM | 33.62398 | 59.90858 | 26.2846 | 21.4454 | 47.94038 | 14.3164 | 24.3336 | 49.54657 | 15.92259 | 23.42741 | 40.68673 | 7.06275 | 22.74725 | 43.89108 | 10.2671 | 55.9429 |
| 12/24/2024 | 11:00:00 PM | 33.65408 | 59.92287 | 26.26879 | 21.46121 | 47.97057 | 14.31649 | 24.33351 | 49.57152 | 15.91744 | 23.43256 | 40.70462 | 7.05054 | 22.75946 | 43.9018 | 10.24772 | 55.96228 |
| 12/25/2024 | 12:00:00 AM | 33.6708 | 59.94072 | 26.26992 | 21.46008 | 47.99069 | 14.31989 | 24.33011 | 49.58579 | 15.91499 | 23.43501 | 40.71177 | 7.04097 | 22.76903 | 43.90895 | 10.23815 | 55.97185 |
| 12/25/2024 | 1:00:00 AM | 33.66076 | 59.90858 | 26.24782 | 21.48218 | 47.9538 | 14.29304 | 24.35696 | 49.55013 | 15.88937 | 23.46063 | 40.67242 | 7.01166 | 22.79834 | 43.87321 | 10.21245 | 55.99755 |
| 12/25/2024 | 2:00:00 AM | 33.6407 | 59.89787 | 26.25717 | 21.47283 | 47.93367 | 14.29297 | 24.35703 | 49.52874 | 15.88804 | 23.46196 | 40.67599 | 7.03529 | 22.77471 | 43.84462 | 10.20392 | 56.00608 |
| 12/25/2024 | 3:00:00 AM | 33.65073 | 59.89787 | 26.24714 | 21.48286 | 47.93367 | 14.28294 | 24.36706 | 49.53587 | 15.88514 | 23.46486 | 40.68673 | 7.036 | 22.774 | 43.8482 | 10.19747 | 56.01253 |
| 12/25/2024 | 4:00:00 AM | 33.63736 | 59.88359 | 26.24623 | 21.48377 | 47.9169 | 14.27954 | 24.37046 | 49.51092 | 15.87356 | 23.47644 | 40.68315 | 7.04579 | 22.76421 | 43.8196 | 10.18224 | 56.02776 |
| 12/25/2024 | 5:00:00 AM | 33.62398 | 59.85859 | 26.23461 | 21.49539 | 47.89678 | 14.2728 | 24.3772 | 49.49309 | 15.86911 | 23.48089 | 40.67242 | 7.04844 | 22.76156 | 43.80173 | 10.17775 | 56.03225 |
| 12/25/2024 | 6:00:00 AM | 33.61395 | 59.84788 | 26.23393 | 21.49607 | 47.86324 | 14.24929 | 24.40071 | 49.46457 | 15.85062 | 23.49938 | 40.66526 | 7.05131 | 22.75869 | 43.78386 | 10.16991 | 56.04009 |
| 12/25/2024 | 7:00:00 AM | 33.61395 | 59.85145 | 26.2375 | 21.4925 | 47.84983 | 14.23588 | 24.41412 | 49.45387 | 15.83992 | 23.51008 | 40.67242 | 7.05847 | 22.75153 | 43.79101 | 10.17706 | 56.03294 |
| 12/25/2024 | 8:00:00 AM | 33.59723 | 59.82288 | 26.22565 | 21.50435 | 47.81293 | 14.2157 | 24.4343 | 49.41822 | 15.82099 | 23.52901 | 40.65095 | 7.05372 | 22.75628 | 43.75885 | 10.16162 | 56.04838 |
| 12/25/2024 | 9:00:00 AM | 33.59054 | 59.80146 | 26.21092 | 21.51908 | 47.78946 | 14.19892 | 24.45108 | 49.39683 | 15.80629 | 23.54371 | 40.65095 | 7.06041 | 22.74959 | 43.74813 | 10.15759 | 56.05241 |
| 12/25/2024 | 10:00:00 AM | 33.5872 | 59.82288 | 26.23568 | 21.49432 | 47.79617 | 14.20897 | 24.44103 | 49.41109 | 15.82389 | 23.52611 | 40.67242 | 7.08522 | 22.72478 | 43.77314 | 10.18594 | 56.02406 |
| 12/25/2024 | 11:00:00 AM | 33.5571 | 59.76575 | 26.20865 | 21.52135 | 47.72909 | 14.17199 | 24.47801 | 49.34335 | 15.78625 | 23.56375 | 40.62233 | 7.06523 | 22.74477 | 43.71596 | 10.15886 | 56.05114 |
| 12/25/2024 | 12:00:00 PM | 33.5036 | 59.73361 | 26.23001 | 21.49999 | 47.69219 | 14.18859 | 24.46141 | 49.30413 | 15.80053 | 23.54947 | 40.60086 | 7.09726 | 22.71274 | 43.68737 | 10.18377 | 56.02623 |
| 12/25/2024 | 1:00:00 PM | 33.47684 | 59.71576 | 26.23892 | 21.49108 | 47.66201 | 14.18517 | 24.46483 | 49.27204 | 15.7952 | 23.5548 | 40.60802 | 7.13118 | 22.67882 | 43.69452 | 10.21768 | 55.99232 |
| 12/25/2024 | 2:00:00 PM | 33.46012 | 59.70862 | 26.2485 | 21.4815 | 47.63182 | 14.1717 | 24.4783 | 49.25422 | 15.7941 | 23.5559 | 40.60802 | 7.1479 | 22.6621 | 43.69094 | 10.23082 | 55.97918 |
| 12/25/2024 | 3:00:00 PM | 33.43672 | 59.6979 | 26.26118 | 21.46882 | 47.61506 | 14.17834 | 24.47166 | 49.22926 | 15.79254 | 23.55746 | 40.60086 | 7.16414 | 22.64586 | 43.69094 | 10.25422 | 55.95578 |
| 12/25/2024 | 4:00:00 PM | 33.37987 | 59.65148 | 26.27161 | 21.45839 | 47.56475 | 14.18488 | 24.46512 | 49.18648 | 15.80661 | 23.54339 | 40.56866 | 7.18879 | 22.62121 | 43.65878 | 10.27891 | 55.93109 |
| 12/25/2024 | 5:00:00 PM | 33.3598 | 59.64434 | 26.28454 | 21.44546 | 47.53792 | 14.17812 | 24.47188 | 49.16865 | 15.80885 | 23.54115 | 40.57581 | 7.21601 | 22.59399 | 43.65878 | 10.29898 | 55.91102 |
| 12/25/2024 | 6:00:00 PM | 33.33974 | 59.62291 | 26.28317 | 21.44683 | 47.51109 | 14.17135 | 24.47865 | 49.14013 | 15.80039 | 23.54961 | 40.56508 | 7.22534 | 22.58466 | 43.65878 | 10.31904 | 55.89096 |
| 12/25/2024 | 7:00:00 PM | 33.28289 | 59.57649 | 26.2936 | 21.4364 | 47.46078 | 14.17789 | 24.47211 | 49.09021 | 15.80732 | 23.54268 | 40.5293 | 7.24641 | 22.56359 | 43.62661 | 10.34372 | 55.86628 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/25/2024 | 8:00:00 PM | 33.23608 | 59.54436 | 26.30828 | 21.42172 | 47.41382 | 14.17774 | 24.47226 | 49.04386 | 15.80778 | 23.54222 | 40.51141 | 7.27533 | 22.53467 | 43.60874 | 10.37266 | 55.83734 |
| 12/25/2024 | 9:00:00 PM | 33.17254 | 59.5015 | 26.32896 | 21.40104 | 47.36016 | 14.18762 | 24.46238 | 48.99395 | 15.82141 | 23.52859 | 40.48637 | 7.31383 | 22.49617 | 43.57658 | 10.40404 | 55.80596 |
| 12/25/2024 | 10:00:00 PM | 33.10566 | 59.44437 | 26.33871 | 21.39129 | 47.28638 | 14.18072 | 24.46928 | 48.92621 | 15.82055 | 23.52945 | 40.44701 | 7.34135 | 22.46865 | 43.54441 | 10.43875 | 55.77125 |
| 12/25/2024 | 11:00:00 PM | 33.0555 | 59.40152 | 26.34602 | 21.38398 | 47.23271 | 14.17721 | 24.47279 | 48.87273 | 15.81723 | 23.53277 | 40.42913 | 7.37363 | 22.43637 | 43.53012 | 10.47462 | 55.73538 |
| 12/26/2024 | 12:00:00 AM | 32.96187 | 59.3551 | 26.39323 | 21.33677 | 47.17234 | 14.21047 | 24.43953 | 48.80856 | 15.84669 | 23.50331 | 40.39335 | 7.43148 | 22.37852 | 43.4908 | 10.52893 | 55.68107 |
| 12/26/2024 | 1:00:00 AM | 32.91171 | 59.32653 | 26.41482 | 21.31518 | 47.11868 | 14.20697 | 24.44303 | 48.76577 | 15.85406 | 23.49594 | 40.38261 | 7.4709 | 22.3391 | 43.48723 | 10.57552 | 55.63448 |
| 12/26/2024 | 2:00:00 AM | 32.89833 | 59.31225 | 26.41392 | 21.31608 | 47.10191 | 14.20358 | 24.44642 | 48.74438 | 15.84605 | 23.50395 | 40.38261 | 7.48428 | 22.32572 | 43.50153 | 10.6032 | 55.6068 |
| 12/26/2024 | 3:00:00 AM | 32.88161 | 59.28368 | 26.40207 | 21.32793 | 47.07508 | 14.19347 | 24.45653 | 48.72299 | 15.84138 | 23.50862 | 40.37188 | 7.49027 | 22.31973 | 43.51225 | 10.63064 | 55.57936 |
| 12/26/2024 | 4:00:00 AM | 32.82142 | 59.27654 | 26.45512 | 21.27488 | 47.05496 | 14.23354 | 24.41646 | 48.70516 | 15.88374 | 23.46626 | 40.35757 | 7.53615 | 22.27385 | 43.52654 | 10.70512 | 55.50488 |
| 12/26/2024 | 5:00:00 AM | 32.82142 | 59.25869 | 26.43727 | 21.29273 | 47.03148 | 14.21006 | 24.43994 | 48.6909 | 15.86948 | 23.48052 | 40.34684 | 7.52542 | 22.28458 | 43.5194 | 10.69798 | 55.51202 |
| 12/26/2024 | 6:00:00 AM | 32.83145 | 59.29082 | 26.45937 | 21.27063 | 47.07173 | 14.24028 | 24.40972 | 48.73012 | 15.89867 | 23.45133 | 40.37188 | 7.54043 | 22.26957 | 43.57658 | 10.74513 | 55.46487 |
| 12/26/2024 | 7:00:00 AM | 32.84483 | 59.32296 | 26.47813 | 21.25187 | 47.12539 | 14.28056 | 24.36944 | 48.78717 | 15.94234 | 23.40766 | 40.38977 | 7.54494 | 22.26506 | 43.63733 | 10.7925 | 55.4175 |
| 12/26/2024 | 8:00:00 AM | 32.85486 | 59.35153 | 26.49667 | 21.23333 | 47.16564 | 14.31078 | 24.33922 | 48.82995 | 15.97509 | 23.37491 | 40.39335 | 7.53849 | 22.27151 | 43.67665 | 10.82179 | 55.38821 |
| 12/26/2024 | 9:00:00 AM | 32.8883 | 59.40152 | 26.51322 | 21.21678 | 47.24277 | 14.35447 | 24.29553 | 48.91552 | 16.02722 | 23.32278 | 40.42555 | 7.53725 | 22.27275 | 43.7374 | 10.8491 | 55.3609 |
| 12/26/2024 | 10:00:00 AM | 32.9719 | 59.49793 | 26.52603 | 21.20397 | 47.36687 | 14.39497 | 24.25503 | 49.02247 | 16.05057 | 23.29943 | 40.47921 | 7.50731 | 22.30269 | 43.81603 | 10.84413 | 55.36587 |
| 12/26/2024 | 11:00:00 AM | 33.0555 | 59.5515 | 26.496 | 21.234 | 47.45072 | 14.39522 | 24.25478 | 49.11874 | 16.06324 | 23.28676 | 40.49353 | 7.43803 | 22.37197 | 43.86606 | 10.81056 | 55.39944 |
| 12/26/2024 | 12:00:00 PM | 33.10231 | 59.56221 | 26.4599 | 21.2701 | 47.49767 | 14.39536 | 24.25464 | 49.16508 | 16.06277 | 23.28723 | 40.47206 | 7.36975 | 22.44025 | 43.86249 | 10.76018 | 55.44982 |
| 12/26/2024 | 1:00:00 PM | 33.14244 | 59.58006 | 26.43762 | 21.29238 | 47.54798 | 14.40554 | 24.24446 | 49.21143 | 16.06899 | 23.28101 | 40.46133 | 7.31889 | 22.49111 | 43.85177 | 10.70933 | 55.50067 |
| 12/26/2024 | 2:00:00 PM | 33.16585 | 59.59078 | 26.42493 | 21.30507 | 47.58152 | 14.41567 | 24.23433 | 49.22926 | 16.06341 | 23.28659 | 40.45059 | 7.28474 | 22.52526 | 43.84105 | 10.6752 | 55.5348 |
| 12/26/2024 | 3:00:00 PM | 33.20598 | 59.60149 | 26.39551 | 21.33449 | 47.62176 | 14.41578 | 24.23422 | 49.26848 | 16.0625 | 23.2875 | 40.45417 | 7.24819 | 22.56181 | 43.8339 | 10.62792 | 55.58208 |
| 12/26/2024 | 4:00:00 PM | 33.21267 | 59.59792 | 26.38525 | 21.34475 | 47.64189 | 14.42922 | 24.22078 | 49.27917 | 16.0665 | 23.2835 | 40.43628 | 7.22361 | 22.58639 | 43.80888 | 10.59621 | 55.61379 |
| 12/26/2024 | 5:00:00 PM | 33.21601 | 59.60149 | 26.38548 | 21.34452 | 47.65195 | 14.43594 | 24.21406 | 49.29343 | 16.07742 | 23.27258 | 40.42913 | 7.21312 | 22.59688 | 43.78386 | 10.56785 | 55.64215 |
| 12/26/2024 | 6:00:00 PM | 33.23942 | 59.6122 | 26.37278 | 21.35722 | 47.67543 | 14.43601 | 24.21399 | 49.31839 | 16.07897 | 23.27103 | 40.4327 | 7.19328 | 22.61672 | 43.78029 | 10.54087 | 55.66913 |
| 12/26/2024 | 7:00:00 PM | 33.22939 | 59.59435 | 26.36496 | 21.36504 | 47.66872 | 14.43933 | 24.21067 | 49.31126 | 16.08187 | 23.26813 | 40.42197 | 7.19258 | 22.61742 | 43.7517 | 10.52231 | 55.68769 |
| 12/26/2024 | 8:00:00 PM | 33.22939 | 59.58721 | 26.35782 | 21.37218 | 47.66536 | 14.43597 | 24.21403 | 49.32909 | 16.0997 | 23.2503 | 40.42197 | 7.19258 | 22.61742 | 43.73026 | 10.50087 | 55.70913 |
| 12/26/2024 | 9:00:00 PM | 33.21936 | 59.57292 | 26.35356 | 21.37644 | 47.64859 | 14.42923 | 24.22077 | 49.31126 | 16.0919 | 23.2581 | 40.41481 | 7.19545 | 22.61455 | 43.70524 | 10.48588 | 55.72412 |
| 12/26/2024 | 10:00:00 PM | 33.20598 | 59.55507 | 26.34909 | 21.38091 | 47.62176 | 14.41578 | 24.23422 | 49.2863 | 16.08032 | 23.26968 | 40.40766 | 7.20168 | 22.60832 | 43.67307 | 10.46709 | 55.74291 |
| 12/26/2024 | 11:00:00 PM | 33.19595 | 59.51936 | 26.32341 | 21.40659 | 47.59493 | 14.39898 | 24.25102 | 49.27204 | 16.07609 | 23.27391 | 40.39335 | 7.1974 | 22.6126 | 43.64448 | 10.44853 | 55.76147 |
| 12/27/2024 | 12:00:00 AM | 33.16585 | 59.48008 | 26.31423 | 21.41577 | 47.54127 | 14.37542 | 24.27458 | 49.22926 | 16.06341 | 23.28659 | 40.3683 | 7.20245 | 22.60755 | 43.6016 | 10.43575 | 55.77425 |
| 12/27/2024 | 1:00:00 AM | 33.14579 | 59.47294 | 26.32715 | 21.40285 | 47.51444 | 14.36865 | 24.28135 | 49.21143 | 16.06564 | 23.28436 | 40.3683 | 7.22251 | 22.58749 | 43.59445 | 10.44866 | 55.76134 |
| 12/27/2024 | 2:00:00 AM | 33.13576 | 59.44794 | 26.31218 | 21.41782 | 47.49096 | 14.3552 | 24.2948 | 49.19361 | 16.05785 | 23.29215 | 40.37188 | 7.23612 | 22.57388 | 43.58015 | 10.44439 | 55.76561 |
| 12/27/2024 | 3:00:00 AM | 33.13241 | 59.45508 | 26.32267 | 21.40733 | 47.4809 | 14.34849 | 24.30151 | 49.19717 | 16.06476 | 23.28524 | 40.37546 | 7.24305 | 22.56695 | 43.58373 | 10.45132 | 55.75868 |
| 12/27/2024 | 4:00:00 AM | 33.13241 | 59.46223 | 26.32982 | 21.40018 | 47.48425 | 14.35184 | 24.29816 | 49.21143 | 16.07902 | 23.27098 | 40.39692 | 7.26451 | 22.54549 | 43.60517 | 10.47276 | 55.73724 |
| 12/27/2024 | 5:00:00 AM | 33.1391 | 59.45508 | 26.31598 | 21.41402 | 47.47755 | 14.33845 | 24.31155 | 49.20787 | 16.06877 | 23.28123 | 40.39335 | 7.25425 | 22.55575 | 43.6016 | 10.4625 | 55.7475 |
| 12/27/2024 | 6:00:00 AM | 33.13241 | 59.4658 | 26.33339 | 21.39661 | 47.47419 | 14.34178 | 24.30822 | 49.21856 | 16.08615 | 23.26385 | 40.39335 | 7.26094 | 22.54906 | 43.61232 | 10.47991 | 55.73009 |
| 12/27/2024 | 7:00:00 AM | 33.14244 | 59.5015 | 26.35906 | 21.37094 | 47.50773 | 14.36529 | 24.28471 | 49.26135 | 16.11891 | 23.23109 | 40.42197 | 7.27953 | 22.53047 | 43.64448 | 10.50204 | 55.70796 |
| 12/27/2024 | 8:00:00 AM | 33.14579 | 59.52293 | 26.37714 | 21.35286 | 47.54127 | 14.39548 | 24.25452 | 49.30413 | 16.15834 | 23.19166 | 40.4327 | 7.28691 | 22.52309 | 43.67665 | 10.53086 | 55.67914 |
| 12/27/2024 | 9:00:00 AM | 33.14579 | 59.5265 | 26.38071 | 21.34929 | 47.54798 | 14.40219 | 24.24781 | 49.31126 | 16.16547 | 23.18453 | 40.41839 | 7.2726 | 22.5374 | 43.67665 | 10.53086 | 55.67914 |
| 12/27/2024 | 10:00:00 AM | 33.16585 | 59.55507 | 26.38922 | 21.34078 | 47.58822 | 14.42237 | 24.22763 | 49.35048 | 16.18463 | 23.16537 | 40.4327 | 7.26685 | 22.54315 | 43.69452 | 10.52867 | 55.68133 |
| 12/27/2024 | 11:00:00 AM | 33.17254 | 59.5515 | 26.37896 | 21.35104 | 47.57481 | 14.40227 | 24.24773 | 49.34691 | 16.17437 | 23.17563 | 40.42197 | 7.24943 | 22.56057 | 43.68022 | 10.50768 | 55.70232 |
| 12/27/2024 | 12:00:00 PM | 33.18592 | 59.55864 | 26.37272 | 21.35728 | 47.59158 | 14.40566 | 24.24434 | 49.35761 | 16.17169 | 23.17831 | 40.42555 | 7.23963 | 22.57037 | 43.6838 | 10.49788 | 55.71212 |
| 12/27/2024 | 1:00:00 PM | 33.19595 | 59.57292 | 26.37697 | 21.35303 | 47.60499 | 14.40904 | 24.24096 | 49.379 | 16.18305 | 23.16695 | 40.4327 | 7.23675 | 22.57325 | 43.69452 | 10.49857 | 55.71143 |
| 12/27/2024 | 2:00:00 PM | 33.1926 | 59.55507 | 26.36247 | 21.36753 | 47.58822 | 14.39562 | 24.25438 | 49.35761 | 16.16501 | 23.18499 | 40.40766 | 7.21506 | 22.59494 | 43.66593 | 10.47333 | 55.73667 |
| 12/27/2024 | 3:00:00 PM | 33.19929 | 59.56935 | 26.37006 | 21.35994 | 47.61506 | 14.41577 | 24.23423 | 49.37543 | 16.17614 | 23.17386 | 40.42197 | 7.22268 | 22.58732 | 43.68022 | 10.48093 | 55.72907 |
| 12/27/2024 | 4:00:00 PM | 33.20932 | 59.57649 | 26.36717 | 21.36283 | 47.61506 | 14.40574 | 24.24426 | 49.379 | 16.16968 | 23.18032 | 40.42913 | 7.21981 | 22.59019 | 43.67307 | 10.46375 | 55.74625 |
| 12/27/2024 | 5:00:00 PM | 33.19929 | 59.55507 | 26.35578 | 21.37422 | 47.59158 | 14.39229 | 24.25771 | 49.36474 | 16.16545 | 23.18455 | 40.41481 | 7.21552 | 22.59448 | 43.65163 | 10.45234 | 55.75766 |
| 12/27/2024 | 6:00:00 PM | 33.20264 | 59.56578 | 26.36314 | 21.36686 | 47.58487 | 14.38223 | 24.26777 | 49.36117 | 16.15853 | 23.19147 | 40.41839 | 7.21575 | 22.59425 | 43.64806 | 10.44542 | 55.76458 |
| 12/27/2024 | 7:00:00 PM | 33.19929 | 59.5515 | 26.35221 | 21.37779 | 47.58487 | 14.38558 | 24.26442 | 49.35048 | 16.15119 | 23.19881 | 40.40766 | 7.20837 | 22.60163 | 43.63376 | 10.43447 | 55.77553 |
| 12/27/2024 | 8:00:00 PM | 33.1926 | 59.5265 | 26.3339 | 21.3961 | 47.55469 | 14.36209 | 24.28791 | 49.31839 | 16.12579 | 23.22421 | 40.39335 | 7.20075 | 22.60925 | 43.59802 | 10.40542 | 55.80458 |
| 12/27/2024 | 9:00:00 PM | 33.18592 | 59.51936 | 26.33344 | 21.39656 | 47.53792 | 14.352 | 24.298 | 49.30413 | 16.11821 | 23.23179 | 40.39335 | 7.20743 | 22.60257 | 43.58373 | 10.39781 | 55.81219 |
| 12/27/2024 | 10:00:00 PM | 33.1692 | 59.49793 | 26.32873 | 21.40127 | 47.50773 | 14.33853 | 24.31147 | 49.26848 | 16.09928 | 23.25072 | 40.38261 | 7.21341 | 22.59659 | 43.573 | 10.4038 | 55.8062 |
| 12/27/2024 | 11:00:00 PM | 33.17588 | 59.5015 | 26.32562 | 21.40438 | 47.50438 | 14.3285 | 24.3215 | 49.26135 | 16.08547 | 23.26453 | 40.39692 | 7.22104 | 22.58896 | 43.573 | 10.39712 | 55.81288 |
| 12/28/2024 | 12:00:00 AM | 33.15582 | 59.48008 | 26.32426 | 21.40574 | 47.47419 | 14.31837 | 24.33163 | 49.23639 | 16.08057 | 23.26943 | 40.38261 | 7.22679 | 22.58321 | 43.55514 | 10.39932 | 55.81068 |
| 12/28/2024 | 1:00:00 AM | 33.15582 | 59.46223 | 26.30641 | 21.42359 | 47.46413 | 14.30831 | 24.34169 | 49.22569 | 16.06987 | 23.28013 | 40.37188 | 7.21606 | 22.59394 | 43.54441 | 10.38859 | 55.82141 |
| 12/28/2024 | 2:00:00 AM | 33.16585 | 59.49436 | 26.32851 | 21.40149 | 47.47419 | 14.30834 | 24.34166 | 49.23639 | 16.07054 | 23.27946 | 40.4005 | 7.23465 | 22.57535 | 43.56586 | 10.40001 | 55.80999 |
| 12/28/2024 | 3:00:00 AM | 33.17588 | 59.5015 | 26.32562 | 21.40438 | 47.48425 | 14.30837 | 24.34163 | 49.24352 | 16.06764 | 23.28236 | 40.40766 | 7.23178 | 22.57822 | 43.59087 | 10.41499 | 55.79501 |
| 12/28/2024 | 4:00:00 AM | 33.17923 | 59.50865 | 26.32942 | 21.40058 | 47.49767 | 14.31844 | 24.33156 | 49.24709 | 16.06786 | 23.28214 | 40.4005 | 7.22127 | 22.58873 | 43.59445 | 10.41522 | 55.79478 |
| 12/28/2024 | 5:00:00 AM | 33.17923 | 59.48722 | 26.30799 | 21.42201 | 47.47419 | 14.29496 | 24.35504 | 49.23639 | 16.05716 | 23.29284 | 40.37904 | 7.19981 | 22.61019 | 43.58015 | 10.40092 | 55.80908 |
| 12/28/2024 | 6:00:00 AM | 33.18592 | 59.52293 | 26.33701 | 21.39299 | 47.49767 | 14.31175 | 24.33825 | 49.26135 | 16.07543 | 23.27457 | 40.41124 | 7.22532 | 22.58468 | 43.61232 | 10.4264 | 55.7836 |
| 12/28/2024 | 7:00:00 AM | 33.19595 | 59.53007 | 26.33412 | 21.39588 | 47.50773 | 14.31178 | 24.33822 | 49.26848 | 16.07253 | 23.27747 | 40.40766 | 7.21171 | 22.59829 | 43.62304 | 10.42709 | 55.78291 |
| 12/28/2024 | 8:00:00 AM | 33.20264 | 59.54078 | 26.33814 | 21.39186 | 47.53456 | 14.33192 | 24.31808 | 49.2863 | 16.08366 | 23.26634 | 40.40766 | 7.20502 | 22.60498 | 43.63733 | 10.43469 | 55.77531 |
| 12/28/2024 | 9:00:00 AM | 33.21601 | 59.56935 | 26.35334 | 21.37666 | 47.56475 | 14.34874 | 24.30126 | 49.31483 | 16.09882 | 23.25118 | 40.42555 | 7.20954 | 22.60046 | 43.6552 | 10.43919 | 55.77081 |
| 12/28/2024 | 10:00:00 AM | 33.22939 | 59.58006 | 26.35067 | 21.37933 | 47.58152 | 14.35213 | 24.29787 | 49.33265 | 16.10326 | 23.24674 | 40.42555 | 7.19616 | 22.61384 | 43.65878 | 10.42939 | 55.78061 |
| 12/28/2024 | 11:00:00 AM | 33.22604 | 59.6122 | 26.38616 | 21.34384 | 47.60835 | 14.38231 | 24.26769 | 49.35761 | 16.13157 | 23.21843 | 40.44344 | 7.2174 | 22.5926 | 43.67307 | 10.44703 | 55.76297 |
| 12/28/2024 | 12:00:00 PM | 33.26617 | 59.65505 | 26.38888 | 21.34112 | 47.63853 | 14.37236 | 24.27764 | 49.38257 | 16.1164 | 23.2336 | 40.44701 | 7.18084 | 22.62916 | 43.69452 | 10.42835 | 55.78165 |
| 12/28/2024 | 1:00:00 PM | 33.28624 | 59.65505 | 26.36881 | 21.36119 | 47.65195 | 14.36571 | 24.28429 | 49.39683 | 16.11059 | 23.23941 | 40.45775 | 7.17151 | 22.63849 | 43.68737 | 10.40113 | 55.80887 |
| 12/28/2024 | 2:00:00 PM | 33.32636 | 59.6979 | 26.37154 | 21.35846 | 47.68549 | 14.35913 | 24.29087 | 49.42178 | 16.09542 | 23.25458 | 40.47921 | 7.15285 | 22.65715 | 43.70524 | 10.37888 | 55.83112 |
| 12/28/2024 | 3:00:00 PM | 33.35646 | 59.70504 | 26.34858 | 21.38142 | 47.70226 | 14.3458 | 24.3042 | 49.44674 | 16.09028 | 23.25972 | 40.48279 | 7.12633 | 22.68367 | 43.70524 | 10.34878 | 55.86122 |
| 12/28/2024 | 4:00:00 PM | 33.37652 | 59.72647 | 26.34995 | 21.38005 | 47.73244 | 14.35592 | 24.29408 | 49.46813 | 16.09161 | 23.25839 | 40.48637 | 7.10985 | 22.70015 | 43.71596 | 10.33944 | 55.87056 |
| 12/28/2024 | 5:00:00 PM | 33.40328 | 59.73361 | 26.33033 | 21.39967 | 47.75592 | 14.35264 | 24.29736 | 49.47883 | 16.07555 | 23.27445 | 40.4971 | 7.09382 | 22.71618 | 43.70881 | 10.30553 | 55.90447 |
| 12/28/2024 | 6:00:00 PM | 33.41331 | 59.7479 | 26.33459 | 21.39541 | 47.76598 | 14.35267 | 24.29733 | 49.49665 | 16.08334 | 23.26666 | 40.4971 | 7.08379 | 22.72621 | 43.70524 | 10.29193 | 55.91807 |
| 12/28/2024 | 7:00:00 PM | 33.42 | 59.7479 | 26.3279 | 21.4021 | 47.77269 | 14.35269 | 24.29731 | 49.49309 | 16.07309 | 23.27691 | 40.49353 | 7.07353 | 22.73647 | 43.69452 | 10.27452 | 55.93548 |
| 12/28/2024 | 8:00:00 PM | 33.41665 | 59.74075 | 26.3241 | 21.4059 | 47.76263 | 14.34598 | 24.30402 | 49.4717 | 16.05505 | 23.29495 | 40.48637 | 7.06972 | 22.74028 | 43.66593 | 10.24928 | 55.96072 |
| 12/28/2024 | 9:00:00 PM | 33.40996 | 59.71933 | 26.30937 | 21.42063 | 47.72573 | 14.31577 | 24.33423 | 49.44318 | 16.03322 | 23.31678 | 40.47206 | 7.0621 | 22.7479 | 43.63733 | 10.22737 | 55.98263 |
| 12/28/2024 | 10:00:00 PM | 33.40328 | 59.70504 | 26.30176 | 21.42824 | 47.70561 | 14.30233 | 24.34767 | 49.41465 | 16.01137 | 23.33863 | 40.4649 | 7.06162 | 22.74838 | 43.61589 | 10.21261 | 55.99739 |
| 12/28/2024 | 11:00:00 PM | 33.38656 | 59.68005 | 26.29349 | 21.43651 | 47.67543 | 14.28887 | 24.36113 | 49.37187 | 15.98531 | 23.36469 | 40.46133 | 7.07477 | 22.73523 | 43.58373 | 10.19717 | 56.01283 |
| 12/29/2024 | 12:00:00 AM | 33.38321 | 59.68005 | 26.29684 | 21.43316 | 47.66536 | 14.28215 | 24.36785 | 49.37187 | 15.98866 | 23.36134 | 40.47206 | 7.08885 | 22.72115 | 43.58373 | 10.20052 | 56.00948 |
| 12/29/2024 | 1:00:00 AM | 33.3598 | 59.63006 | 26.27026 | 21.45974 | 47.62512 | 14.26532 | 24.38468 | 49.32196 | 15.96216 | 23.38784 | 40.44344 | 7.08364 | 22.72636 | 43.54441 | 10.18461 | 56.02539 |
| 12/29/2024 | 2:00:00 AM | 33.34977 | 59.64077 | 26.291 | 21.439 | 47.60499 | 14.25522 | 24.39478 | 49.31126 | 15.96149 | 23.38851 | 40.45417 | 7.1044 | 22.7056 | 43.54084 | 10.19107 | 56.01893 |
| 12/29/2024 | 3:00:00 AM | 33.3364 | 59.62291 | 26.28651 | 21.44349 | 47.57481 | 14.23841 | 24.41159 | 49.27561 | 15.93921 | 23.41079 | 40.44701 | 7.11061 | 22.69939 | 43.53012 | 10.19372 | 56.01628 |
| 12/29/2024 | 4:00:00 AM | 33.31633 | 59.60149 | 26.28516 | 21.44484 | 47.54127 | 14.22494 | 24.42506 | 49.23995 | 15.92362 | 23.42638 | 40.4327 | 7.11637 | 22.69363 | 43.51225 | 10.19592 | 56.01408 |
| 12/29/2024 | 5:00:00 AM | 33.31299 | 59.61577 | 26.30278 | 21.42722 | 47.53792 | 14.22493 | 24.42507 | 49.24352 | 15.93053 | 23.41947 | 40.45059 | 7.1376 | 22.6724 | 43.53369 | 10.2207 | 55.9893 |
| 12/29/2024 | 6:00:00 AM | 33.31633 | 59.60506 | 26.28873 | 21.44127 | 47.54462 | 14.22829 | 24.42171 | 49.24709 | 15.93076 | 23.41924 | 40.46848 | 7.15215 | 22.65785 | 43.54799 | 10.23166 | 55.97834 |
| 12/29/2024 | 7:00:00 AM | 33.31299 | 59.48722 | 26.17423 | 21.55577 | 47.54127 | 14.22828 | 24.42172 | 49.24352 | 15.93053 | 23.41947 | 40.47564 | 7.16265 | 22.64735 | 43.55514 | 10.24215 | 55.96785 |
| 12/29/2024 | 8:00:00 AM | 33.32636 | 59.5015 | 26.17514 | 21.55486 | 47.56139 | 14.23503 | 24.41497 | 49.26848 | 15.94212 | 23.40788 | 40.4971 | 7.17074 | 22.63926 | 43.59087 | 10.26451 | 55.94549 |
| 12/29/2024 | 9:00:00 AM | 33.31633 | 59.50865 | 26.19232 | 21.53768 | 47.57816 | 14.26183 | 24.38817 | 49.27917 | 15.96284 | 23.38716 | 40.50068 | 7.18435 | 22.62565 | 43.60517 | 10.28884 | 55.92116 |
| 12/29/2024 | 10:00:00 AM | 33.32302 | 59.53364 | 26.21062 | 21.51938 | 47.59493 | 14.27191 | 24.37809 | 49.30056 | 15.97754 | 23.37246 | 40.50426 | 7.18124 | 22.62876 | 43.61589 | 10.29287 | 55.91713 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/29/2024 | 11:00:00 AM | 33.3364 | 59.53721 | 26.20081 | 21.52919 | 47.60835 | 14.27195 | 24.37805 | 49.31126 | 15.97486 | 23.37514 | 40.4971 | 7.1607 | 22.6493 | 43.61947 | 10.28307 | 55.92693 |
| 12/29/2024 | 12:00:00 PM | 33.33974 | 59.54078 | 26.20104 | 21.52896 | 47.61506 | 14.27532 | 24.37468 | 49.31126 | 15.97152 | 23.37848 | 40.4971 | 7.15736 | 22.65264 | 43.62661 | 10.28687 | 55.92313 |
| 12/29/2024 | 1:00:00 PM | 33.34977 | 59.56578 | 26.21601 | 21.51399 | 47.63853 | 14.28876 | 24.36124 | 49.33265 | 15.98288 | 23.36712 | 40.51141 | 7.16164 | 22.64836 | 43.64806 | 10.29829 | 55.91171 |
| 12/29/2024 | 2:00:00 PM | 33.36984 | 59.60506 | 26.23522 | 21.49478 | 47.67543 | 14.30559 | 24.34441 | 49.35761 | 15.98777 | 23.36223 | 40.5293 | 7.15946 | 22.65054 | 43.6695 | 10.29966 | 55.91034 |
| 12/29/2024 | 3:00:00 PM | 33.40662 | 59.65505 | 26.24843 | 21.48157 | 47.73244 | 14.32582 | 24.32418 | 49.42535 | 16.01873 | 23.33127 | 40.5615 | 7.15488 | 22.65512 | 43.70881 | 10.30219 | 55.90781 |
| 12/29/2024 | 4:00:00 PM | 33.45009 | 59.68362 | 26.23353 | 21.49647 | 47.77269 | 14.3226 | 24.3274 | 49.45744 | 16.00735 | 23.34265 | 40.57939 | 7.1293 | 22.6807 | 43.7374 | 10.28731 | 55.92269 |
| 12/29/2024 | 5:00:00 PM | 33.50025 | 59.71219 | 26.21194 | 21.51806 | 47.82635 | 14.3261 | 24.3239 | 49.50378 | 16.00353 | 23.34647 | 40.60086 | 7.10061 | 22.70939 | 43.7517 | 10.25145 | 55.95855 |
| 12/29/2024 | 6:00:00 PM | 33.54038 | 59.73718 | 26.1968 | 21.5332 | 47.86995 | 14.32957 | 24.32043 | 49.53944 | 15.99906 | 23.35094 | 40.60444 | 7.06406 | 22.74594 | 43.76242 | 10.22204 | 55.98796 |
| 12/29/2024 | 7:00:00 PM | 33.56379 | 59.75861 | 26.19482 | 21.53518 | 47.90684 | 14.34305 | 24.30695 | 49.56439 | 16.0006 | 23.3494 | 40.60444 | 7.04065 | 22.76935 | 43.74813 | 10.18434 | 56.02566 |
| 12/29/2024 | 8:00:00 PM | 33.6106 | 59.79075 | 26.18015 | 21.54985 | 47.94374 | 14.33314 | 24.31686 | 49.59292 | 15.98232 | 23.36768 | 40.6259 | 7.0153 | 22.7947 | 43.75885 | 10.14825 | 56.06175 |
| 12/29/2024 | 9:00:00 PM | 33.64404 | 59.80503 | 26.16099 | 21.56901 | 47.98398 | 14.33994 | 24.31006 | 49.625 | 15.98096 | 23.36904 | 40.62948 | 6.98544 | 22.82456 | 43.76957 | 10.12553 | 56.08447 |
| 12/29/2024 | 10:00:00 PM | 33.66411 | 59.83003 | 26.16592 | 21.56408 | 48.02088 | 14.35677 | 24.29323 | 49.64996 | 15.98585 | 23.36415 | 40.63664 | 6.97253 | 22.83747 | 43.76957 | 10.10546 | 56.10454 |
| 12/29/2024 | 11:00:00 PM | 33.70089 | 59.8693 | 26.16841 | 21.56159 | 48.06112 | 14.36023 | 24.28977 | 49.69274 | 15.99185 | 23.35815 | 40.66526 | 6.96437 | 22.84563 | 43.79101 | 10.09012 | 56.11988 |
| 12/30/2024 | 12:00:00 AM | 33.7243 | 59.88002 | 26.15572 | 21.57428 | 48.08795 | 14.36365 | 24.28635 | 49.71057 | 15.98627 | 23.36373 | 40.67242 | 6.94812 | 22.86188 | 43.78744 | 10.06314 | 56.14686 |
| 12/30/2024 | 1:00:00 AM | 33.74102 | 59.89073 | 26.14971 | 21.58029 | 48.11478 | 14.37376 | 24.27624 | 49.73196 | 15.99094 | 23.35906 | 40.66526 | 6.92424 | 22.88576 | 43.77314 | 10.03212 | 56.17788 |
| 12/30/2024 | 2:00:00 AM | 33.77112 | 59.91573 | 26.14461 | 21.58539 | 48.14832 | 14.3772 | 24.2728 | 49.76405 | 15.99293 | 23.35707 | 40.69388 | 6.92276 | 22.88724 | 43.78029 | 10.00917 | 56.20083 |
| 12/30/2024 | 3:00:00 AM | 33.78784 | 59.93358 | 26.14574 | 21.58426 | 48.1718 | 14.38396 | 24.26604 | 49.77831 | 15.99047 | 23.35953 | 40.70819 | 6.92035 | 22.88965 | 43.77672 | 9.98888 | 56.22112 |
| 12/30/2024 | 4:00:00 AM | 33.80456 | 59.94072 | 26.13616 | 21.59384 | 48.19192 | 14.38736 | 24.26264 | 49.79257 | 15.98801 | 23.36199 | 40.70462 | 6.90006 | 22.90994 | 43.77672 | 9.97216 | 56.23784 |
| 12/30/2024 | 5:00:00 AM | 33.82462 | 59.95143 | 26.12681 | 21.60319 | 48.20534 | 14.38072 | 24.26928 | 49.82109 | 15.99647 | 23.35353 | 40.71893 | 6.89431 | 22.91569 | 43.77314 | 9.94852 | 56.26148 |
| 12/30/2024 | 6:00:00 AM | 33.82796 | 59.96929 | 26.14133 | 21.58867 | 48.22546 | 14.3975 | 24.2525 | 49.83535 | 16.00739 | 23.34261 | 40.72966 | 6.9017 | 22.9083 | 43.77314 | 9.94518 | 56.26482 |
| 12/30/2024 | 7:00:00 AM | 33.85472 | 59.97286 | 26.11814 | 21.61186 | 48.24559 | 14.39087 | 24.25913 | 49.84962 | 15.9949 | 23.3551 | 40.75113 | 6.89641 | 22.91359 | 43.78029 | 9.92557 | 56.28443 |
| 12/30/2024 | 8:00:00 AM | 33.87478 | 59.98357 | 26.10879 | 21.62121 | 48.26906 | 14.39428 | 24.25572 | 49.87814 | 16.00336 | 23.34664 | 40.77259 | 6.89781 | 22.91219 | 43.78386 | 9.90908 | 56.30092 |
| 12/30/2024 | 9:00:00 AM | 33.8915 | 59.99786 | 26.10636 | 21.62364 | 48.27577 | 14.38427 | 24.26573 | 49.89953 | 16.00803 | 23.34197 | 40.78333 | 6.89183 | 22.91817 | 43.79101 | 9.89951 | 56.31049 |
| 12/30/2024 | 10:00:00 AM | 33.90488 | 60.01214 | 26.10726 | 21.62274 | 48.29254 | 14.38766 | 24.26234 | 49.92092 | 16.01604 | 23.33396 | 40.79764 | 6.89276 | 22.91724 | 43.79101 | 9.88613 | 56.32387 |
| 12/30/2024 | 11:00:00 AM | 33.91825 | 60.00857 | 26.09032 | 21.63968 | 48.28919 | 14.37094 | 24.27906 | 49.92092 | 16.00267 | 23.34733 | 40.79406 | 6.87581 | 22.93419 | 43.78029 | 9.86204 | 56.34796 |
| 12/30/2024 | 12:00:00 PM | 33.91156 | 60.01214 | 26.10058 | 21.62942 | 48.29254 | 14.38098 | 24.26902 | 49.92092 | 16.00936 | 23.34064 | 40.79764 | 6.88608 | 22.92392 | 43.76242 | 9.85086 | 56.35914 |
| 12/30/2024 | 1:00:00 PM | 33.91825 | 60.01214 | 26.09389 | 21.63611 | 48.29589 | 14.37764 | 24.27236 | 49.92449 | 16.00624 | 23.34376 | 40.80837 | 6.89012 | 22.91988 | 43.75885 | 9.8406 | 56.3694 |
| 12/30/2024 | 2:00:00 PM | 33.91825 | 60.02285 | 26.1046 | 21.6254 | 48.28919 | 14.37094 | 24.27906 | 49.93162 | 16.01337 | 23.33663 | 40.81911 | 6.90086 | 22.90914 | 43.76242 | 9.84417 | 56.36583 |
| 12/30/2024 | 3:00:00 PM | 33.9216 | 60.02999 | 26.10839 | 21.62161 | 48.29254 | 14.37094 | 24.27906 | 49.94588 | 16.02428 | 23.32572 | 40.83342 | 6.91182 | 22.89818 | 43.76957 | 9.84797 | 56.36203 |
| 12/30/2024 | 4:00:00 PM | 33.93163 | 60.04428 | 26.11265 | 21.61735 | 48.30931 | 14.37768 | 24.27232 | 49.95301 | 16.02138 | 23.32862 | 40.85131 | 6.91968 | 22.89032 | 43.77314 | 9.84151 | 56.36849 |
| 12/30/2024 | 5:00:00 PM | 33.94166 | 60.05142 | 26.10976 | 21.62024 | 48.31266 | 14.371 | 24.279 | 49.9637 | 16.02204 | 23.32796 | 40.86204 | 6.92038 | 22.88962 | 43.77672 | 9.83506 | 56.37494 |
| 12/30/2024 | 6:00:00 PM | 33.94166 | 60.05499 | 26.11333 | 21.61667 | 48.30931 | 14.36765 | 24.28235 | 49.96727 | 16.02561 | 23.32439 | 40.86562 | 6.92396 | 22.88604 | 43.77672 | 9.83506 | 56.37494 |
| 12/30/2024 | 7:00:00 PM | 33.945 | 60.0657 | 26.1207 | 21.6093 | 48.3026 | 14.3576 | 24.2924 | 49.96727 | 16.02227 | 23.32773 | 40.87993 | 6.93493 | 22.87507 | 43.77672 | 9.83172 | 56.37828 |
| 12/30/2024 | 8:00:00 PM | 33.945 | 60.07284 | 26.12784 | 21.60216 | 48.31266 | 14.36766 | 24.28234 | 49.9744 | 16.0294 | 23.3206 | 40.88351 | 6.93851 | 22.87149 | 43.77314 | 9.82814 | 56.38186 |
| 12/30/2024 | 9:00:00 PM | 33.96172 | 60.09427 | 26.13255 | 21.59745 | 48.31937 | 14.35765 | 24.29235 | 49.9851 | 16.02338 | 23.32662 | 40.90497 | 6.94325 | 22.86675 | 43.79101 | 9.82929 | 56.38071 |
| 12/30/2024 | 10:00:00 PM | 33.96841 | 60.09784 | 26.12943 | 21.60057 | 48.32272 | 14.35431 | 24.29569 | 49.98866 | 16.02025 | 23.32975 | 40.90855 | 6.94014 | 22.86986 | 43.78029 | 9.81188 | 56.39812 |
| 12/30/2024 | 11:00:00 PM | 33.98179 | 60.10141 | 26.11962 | 21.61038 | 48.32608 | 14.34429 | 24.30571 | 49.99579 | 16.014 | 23.336 | 40.91928 | 6.93749 | 22.87251 | 43.78744 | 9.80565 | 56.40435 |
| 12/31/2024 | 12:00:00 AM | 33.97176 | 60.09427 | 26.12251 | 21.60749 | 48.31602 | 14.34426 | 24.30574 | 49.9851 | 16.01334 | 23.33666 | 40.91571 | 6.94395 | 22.86605 | 43.77672 | 9.80496 | 56.40504 |
| 12/31/2024 | 1:00:00 AM | 33.96841 | 60.09784 | 26.12943 | 21.60057 | 48.3026 | 14.33419 | 24.31581 | 49.97797 | 16.00956 | 23.34044 | 40.92286 | 6.95445 | 22.85555 | 43.76242 | 9.79401 | 56.41599 |
| 12/31/2024 | 2:00:00 AM | 33.94835 | 60.08713 | 26.13878 | 21.59122 | 48.28583 | 14.33748 | 24.31252 | 49.95657 | 16.00822 | 23.34178 | 40.91213 | 6.96378 | 22.84622 | 43.75885 | 9.8105 | 56.3995 |
| 12/31/2024 | 3:00:00 AM | 33.93497 | 60.07999 | 26.14502 | 21.58498 | 48.27577 | 14.3408 | 24.3092 | 49.95657 | 16.0216 | 23.3284 | 40.92644 | 6.99147 | 22.81853 | 43.75527 | 9.8203 | 56.3897 |
| 12/31/2024 | 4:00:00 AM | 33.93163 | 60.07999 | 26.14836 | 21.58164 | 48.26906 | 14.33743 | 24.31257 | 49.94944 | 16.01781 | 23.33219 | 40.92644 | 6.99481 | 22.81519 | 43.76242 | 9.83079 | 56.37921 |
| 12/31/2024 | 5:00:00 AM | 33.92828 | 60.06927 | 26.14099 | 21.58901 | 48.24223 | 14.31395 | 24.33605 | 49.92805 | 15.99977 | 23.35023 | 40.92644 | 6.99816 | 22.81184 | 43.74813 | 9.81985 | 56.39015 |
| 12/31/2024 | 6:00:00 AM | 33.91491 | 60.07284 | 26.15793 | 21.57207 | 48.23217 | 14.31726 | 24.33274 | 49.92805 | 16.01314 | 23.33686 | 40.93717 | 7.02226 | 22.78774 | 43.75527 | 9.84036 | 56.36964 |
| 12/31/2024 | 7:00:00 AM | 33.90822 | 60.0657 | 26.15748 | 21.57252 | 48.23217 | 14.32395 | 24.32605 | 49.91736 | 16.00914 | 23.34086 | 40.94433 | 7.03611 | 22.77389 | 43.7517 | 9.84348 | 56.36652 |
| 12/31/2024 | 8:00:00 AM | 33.89484 | 60.06213 | 26.16729 | 21.56271 | 48.21205 | 14.31721 | 24.33279 | 49.89953 | 16.00469 | 23.34531 | 40.94791 | 7.05307 | 22.75693 | 43.7517 | 9.85686 | 56.35314 |
| 12/31/2024 | 9:00:00 AM | 33.89819 | 60.06927 | 26.17108 | 21.55892 | 48.20534 | 14.30715 | 24.34285 | 49.9031 | 16.00491 | 23.34509 | 40.95506 | 7.05687 | 22.75313 | 43.75885 | 9.86066 | 56.34934 |
| 12/31/2024 | 10:00:00 AM | 33.89819 | 60.06927 | 26.17108 | 21.55892 | 48.20198 | 14.30379 | 24.34621 | 49.89953 | 16.00134 | 23.34866 | 40.96222 | 7.06403 | 22.74597 | 43.766 | 9.86781 | 56.34219 |
| 12/31/2024 | 11:00:00 AM | 33.90822 | 60.0657 | 26.15748 | 21.57252 | 48.19863 | 14.29041 | 24.35959 | 49.88883 | 15.98061 | 23.36939 | 40.96579 | 7.05757 | 22.75243 | 43.76957 | 9.86135 | 56.34865 |
| 12/31/2024 | 12:00:00 PM | 33.89819 | 60.02642 | 26.12823 | 21.60177 | 48.14832 | 14.25013 | 24.39987 | 49.83892 | 15.94073 | 23.40927 | 40.92644 | 7.02825 | 22.78175 | 43.72668 | 9.82849 | 56.38151 |
| 12/31/2024 | 1:00:00 PM | 33.88816 | 60.00143 | 26.11327 | 21.61673 | 48.10808 | 14.21992 | 24.43008 | 49.80327 | 15.91511 | 23.43489 | 40.91928 | 7.03112 | 22.77888 | 43.70524 | 9.81708 | 56.39292 |
| 12/31/2024 | 2:00:00 PM | 33.8614 | 59.97643 | 26.11503 | 21.61497 | 48.06783 | 14.20643 | 24.44357 | 49.76048 | 15.89908 | 23.45092 | 40.91571 | 7.05431 | 22.75569 | 43.68737 | 9.82597 | 56.38403 |
| 12/31/2024 | 3:00:00 PM | 33.83465 | 59.95501 | 26.12036 | 21.60964 | 48.03094 | 14.19629 | 24.45371 | 49.7284 | 15.89375 | 23.45625 | 40.90855 | 7.0739 | 22.7361 | 43.6838 | 9.84915 | 56.36085 |
| 12/31/2024 | 4:00:00 PM | 33.82128 | 59.94786 | 26.12658 | 21.60342 | 48.01081 | 14.18953 | 24.46047 | 49.70701 | 15.88573 | 23.46427 | 40.91571 | 7.09443 | 22.71557 | 43.68737 | 9.86609 | 56.34391 |
| 12/31/2024 | 5:00:00 PM | 33.76108 | 59.93001 | 26.16893 | 21.56107 | 47.99404 | 14.23296 | 24.41704 | 49.68918 | 15.9281 | 23.4219 | 40.91928 | 7.1582 | 22.6518 | 43.69094 | 9.92986 | 56.28014 |
| 12/31/2024 | 6:00:00 PM | 33.74436 | 59.92644 | 26.18208 | 21.54792 | 47.96721 | 14.22285 | 24.42715 | 49.67135 | 15.92699 | 23.42301 | 40.91928 | 7.17492 | 22.63508 | 43.69094 | 9.94658 | 56.26342 |
| 12/31/2024 | 7:00:00 PM | 33.74436 | 59.94072 | 26.19636 | 21.53364 | 47.97057 | 14.22621 | 24.42379 | 49.67492 | 15.93056 | 23.41944 | 40.93717 | 7.19281 | 22.61719 | 43.71239 | 9.96803 | 56.24197 |
| 12/31/2024 | 8:00:00 PM | 33.74102 | 59.93358 | 26.19256 | 21.53744 | 47.97057 | 14.22955 | 24.42045 | 49.68205 | 15.94103 | 23.40897 | 40.94075 | 7.19973 | 22.61027 | 43.72668 | 9.98566 | 56.22434 |
| 12/31/2024 | 9:00:00 PM | 33.74771 | 59.93715 | 26.18944 | 21.54056 | 47.95715 | 14.20944 | 24.44056 | 49.67135 | 15.92364 | 23.42636 | 40.94075 | 7.19304 | 22.61696 | 43.7374 | 9.98969 | 56.22031 |
| 12/31/2024 | 10:00:00 PM | 33.73768 | 59.92287 | 26.18519 | 21.54481 | 47.9538 | 14.21612 | 24.43388 | 49.65709 | 15.91941 | 23.43059 | 40.93002 | 7.19234 | 22.61766 | 43.72311 | 9.98543 | 56.22457 |
| 12/31/2024 | 11:00:00 PM | 33.73433 | 59.8943 | 26.15997 | 21.57003 | 47.92697 | 14.19264 | 24.45736 | 49.63927 | 15.90494 | 23.44506 | 40.91571 | 7.18138 | 22.62862 | 43.71239 | 9.97806 | 56.23194 |
| 1/1/2025 | 12:00:00 AM | 33.72096 | 59.88359 | 26.16263 | 21.56737 | 47.90684 | 14.18588 | 24.46412 | 49.60718 | 15.88622 | 23.46378 | 40.90497 | 7.18401 | 22.62599 | 43.70167 | 9.98071 | 56.22929 |
| 1/1/2025 | 1:00:00 AM | 33.71092 | 59.86573 | 26.15481 | 21.57519 | 47.87666 | 14.16574 | 24.48426 | 49.58579 | 15.87487 | 23.47513 | 40.88708 | 7.17616 | 22.63384 | 43.69452 | 9.9836 | 56.2264 |
| 1/1/2025 | 2:00:00 AM | 33.70758 | 59.87288 | 26.1653 | 21.5647 | 47.8733 | 14.16572 | 24.48428 | 49.57152 | 15.86394 | 23.48606 | 40.90497 | 7.19739 | 22.61261 | 43.70524 | 9.99766 | 56.21234 |
| 1/1/2025 | 3:00:00 AM | 33.71427 | 59.88359 | 26.16932 | 21.56068 | 47.88337 | 14.1691 | 24.4809 | 49.58222 | 15.86795 | 23.48205 | 40.91928 | 7.20501 | 22.60499 | 43.72668 | 10.01241 | 56.19759 |
| 1/1/2025 | 4:00:00 AM | 33.71761 | 59.88716 | 26.16955 | 21.56045 | 47.89343 | 14.17582 | 24.47418 | 49.58579 | 15.86818 | 23.48182 | 40.92286 | 7.20525 | 22.60475 | 43.7517 | 10.03409 | 56.17591 |
| 1/1/2025 | 5:00:00 AM | 33.71761 | 59.8943 | 26.17669 | 21.55331 | 47.89343 | 14.17582 | 24.47418 | 49.60005 | 15.88244 | 23.46756 | 40.92286 | 7.20525 | 22.60475 | 43.766 | 10.04839 | 56.16161 |
| 1/1/2025 | 6:00:00 AM | 33.71761 | 59.89787 | 26.18026 | 21.54974 | 47.90014 | 14.18253 | 24.46747 | 49.59648 | 15.87887 | 23.47113 | 40.91928 | 7.20167 | 22.60833 | 43.76957 | 10.05196 | 56.15804 |
| 1/1/2025 | 7:00:00 AM | 33.71761 | 59.89787 | 26.18026 | 21.54974 | 47.90014 | 14.18253 | 24.46747 | 49.60005 | 15.88244 | 23.46756 | 40.91213 | 7.19452 | 22.61548 | 43.766 | 10.04839 | 56.16161 |
| 1/1/2025 | 8:00:00 AM | 33.73099 | 59.90144 | 26.17045 | 21.55955 | 47.9102 | 14.17921 | 24.47079 | 49.60361 | 15.87262 | 23.47738 | 40.92644 | 7.19545 | 22.61455 | 43.77672 | 10.04573 | 56.16427 |
| 1/1/2025 | 9:00:00 AM | 33.73768 | 59.91573 | 26.17805 | 21.55195 | 47.9169 | 14.17922 | 24.47078 | 49.61074 | 15.87306 | 23.47694 | 40.92644 | 7.18876 | 22.62124 | 43.79101 | 10.05333 | 56.15667 |
| 1/1/2025 | 10:00:00 AM | 33.73433 | 59.91216 | 26.17783 | 21.55217 | 47.92697 | 14.19264 | 24.45736 | 49.61431 | 15.87998 | 23.47002 | 40.92644 | 7.19211 | 22.61789 | 43.80173 | 10.0674 | 56.1426 |
| 1/1/2025 | 11:00:00 AM | 33.74436 | 59.90858 | 26.16422 | 21.56578 | 47.91355 | 14.16919 | 24.48081 | 49.60361 | 15.85925 | 23.49075 | 40.92286 | 7.1785 | 22.6315 | 43.78029 | 10.03593 | 56.17407 |
| 1/1/2025 | 12:00:00 PM | 33.74436 | 59.89787 | 26.15351 | 21.57649 | 47.91355 | 14.16919 | 24.48081 | 49.59292 | 15.84856 | 23.50144 | 40.91213 | 7.16777 | 22.64223 | 43.78386 | 10.0395 | 56.1705 |
| 1/1/2025 | 1:00:00 PM | 33.73768 | 59.89073 | 26.15305 | 21.57695 | 47.90014 | 14.16246 | 24.48754 | 49.58222 | 15.84454 | 23.50546 | 40.90497 | 7.16729 | 22.64271 | 43.766 | 10.02832 | 56.18168 |
| 1/1/2025 | 2:00:00 PM | 33.73768 | 59.85859 | 26.12091 | 21.60909 | 47.87666 | 14.13898 | 24.51102 | 49.55726 | 15.81958 | 23.53042 | 40.90139 | 7.16371 | 22.64629 | 43.75527 | 10.01759 | 56.19241 |
| 1/1/2025 | 3:00:00 PM | 33.7243 | 59.85145 | 26.12715 | 21.60285 | 47.85653 | 14.13223 | 24.51777 | 49.53944 | 15.81514 | 23.53486 | 40.89424 | 7.16994 | 22.64006 | 43.7374 | 10.0131 | 56.1969 |
| 1/1/2025 | 4:00:00 PM | 33.72096 | 59.87288 | 26.15192 | 21.57808 | 47.85989 | 14.13893 | 24.51107 | 49.53944 | 15.81848 | 23.53152 | 40.90497 | 7.18401 | 22.62599 | 43.75885 | 10.03789 | 56.17211 |
| 1/1/2025 | 5:00:00 PM | 33.72096 | 59.87645 | 26.15549 | 21.57451 | 47.8666 | 14.14564 | 24.50436 | 49.543 | 15.82204 | 23.52796 | 40.90855 | 7.18759 | 22.62241 | 43.76957 | 10.04861 | 56.16139 |
| 1/1/2025 | 6:00:00 PM | 33.70758 | 59.85502 | 26.14744 | 21.58256 | 47.84983 | 14.14225 | 24.50775 | 49.52518 | 15.8176 | 23.5324 | 40.89782 | 7.19024 | 22.61976 | 43.75527 | 10.04769 | 56.16231 |
| 1/1/2025 | 7:00:00 PM | 33.70424 | 59.8693 | 26.16506 | 21.56494 | 47.85318 | 14.14894 | 24.50106 | 49.52874 | 15.8245 | 23.5255 | 40.91213 | 7.20789 | 22.60211 | 43.77314 | 10.0689 | 56.1411 |
| 1/1/2025 | 8:00:00 PM | 33.71092 | 59.87288 | 26.16196 | 21.56804 | 47.85989 | 14.14897 | 24.50103 | 49.53231 | 15.82139 | 23.52861 | 40.90497 | 7.19405 | 22.61595 | 43.766 | 10.05508 | 56.15492 |
| 1/1/2025 | 9:00:00 PM | 33.70758 | 59.87288 | 26.1653 | 21.5647 | 47.86995 | 14.16237 | 24.48763 | 49.53587 | 15.82829 | 23.52171 | 40.90855 | 7.20097 | 22.60903 | 43.78744 | 10.07986 | 56.13014 |
| 1/1/2025 | 10:00:00 PM | 33.70424 | 59.89073 | 26.18649 | 21.54351 | 47.87666 | 14.17242 | 24.47758 | 49.54657 | 15.84233 | 23.50767 | 40.91928 | 7.21504 | 22.59496 | 43.79101 | 10.08677 | 56.12323 |
| 1/1/2025 | 11:00:00 PM | 33.71092 | 59.89787 | 26.18695 | 21.54305 | 47.90014 | 14.18922 | 24.46078 | 49.55726 | 15.84634 | 23.50366 | 40.92644 | 7.21552 | 22.59448 | 43.80888 | 10.09796 | 56.11204 |
| 1/2/2025 | 12:00:00 AM | 33.70758 | 59.88359 | 26.17601 | 21.55399 | 47.88337 | 14.17579 | 24.47421 | 49.53944 | 15.83186 | 23.51814 | 40.91213 | 7.20455 | 22.60545 | 43.79101 | 10.08343 | 56.12657 |
| 1/2/2025 | 1:00:00 AM | 33.71427 | 59.91216 | 26.19789 | 21.53211 | 47.90684 | 14.19257 | 24.45743 | 49.55726 | 15.84299 | 23.50701 | 40.92644 | 7.21217 | 22.59783 | 43.81603 | 10.10176 | 56.10824 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/2/2025 | 2:00:00 AM | 33.71427 | 59.90501 | 26.19074 | 21.53926 | 47.9102 | 14.19593 | 24.45407 | 49.55726 | 15.84299 | 23.50701 | 40.91571 | 7.20144 | 22.60856 | 43.80531 | 10.09104 | 56.11896 |
| 1/2/2025 | 3:00:00 AM | 33.72764 | 59.92644 | 26.1988 | 21.5312 | 47.92697 | 14.19933 | 24.45067 | 49.57152 | 15.84388 | 23.50612 | 40.92644 | 7.1988 | 22.6112 | 43.81603 | 10.08839 | 56.12161 |
| 1/2/2025 | 4:00:00 AM | 33.72096 | 59.91573 | 26.19477 | 21.53523 | 47.91355 | 14.19259 | 24.45741 | 49.55726 | 15.8363 | 23.5137 | 40.91928 | 7.19832 | 22.61168 | 43.80173 | 10.08077 | 56.12923 |
| 1/2/2025 | 5:00:00 AM | 33.73099 | 59.91216 | 26.18117 | 21.54883 | 47.9102 | 14.17921 | 24.47079 | 49.5537 | 15.82271 | 23.52729 | 40.91928 | 7.18829 | 22.62171 | 43.80531 | 10.07432 | 56.13568 |
| 1/2/2025 | 6:00:00 AM | 33.72096 | 59.90858 | 26.18762 | 21.54238 | 47.90014 | 14.17918 | 24.47082 | 49.543 | 15.82204 | 23.52796 | 40.91928 | 7.19832 | 22.61168 | 43.79816 | 10.0772 | 56.1328 |
| 1/2/2025 | 7:00:00 AM | 33.72764 | 59.90501 | 26.17737 | 21.55263 | 47.91355 | 14.18591 | 24.46409 | 49.543 | 15.81536 | 23.53464 | 40.91571 | 7.18807 | 22.62193 | 43.79816 | 10.07052 | 56.13948 |
| 1/2/2025 | 8:00:00 AM | 33.72764 | 59.91216 | 26.18452 | 21.54548 | 47.9169 | 14.18926 | 24.46074 | 49.55013 | 15.82249 | 23.52751 | 40.93002 | 7.20238 | 22.60762 | 43.80531 | 10.07767 | 56.13233 |
| 1/2/2025 | 9:00:00 AM | 33.73768 | 59.90858 | 26.1709 | 21.5591 | 47.90349 | 14.16581 | 24.48419 | 49.543 | 15.80532 | 23.54468 | 40.91571 | 7.17803 | 22.63197 | 43.79816 | 10.06048 | 56.14952 |
| 1/2/2025 | 10:00:00 AM | 33.74771 | 59.91216 | 26.16445 | 21.56555 | 47.92697 | 14.17926 | 24.47074 | 49.54657 | 15.79886 | 23.55114 | 40.93359 | 7.18588 | 22.62412 | 43.80531 | 10.0576 | 56.1524 |
| 1/2/2025 | 11:00:00 AM | 33.74771 | 59.90501 | 26.1573 | 21.5727 | 47.90684 | 14.15913 | 24.49087 | 49.53944 | 15.79173 | 23.55827 | 40.92286 | 7.17515 | 22.63485 | 43.79816 | 10.05045 | 56.15955 |
| 1/2/2025 | 12:00:00 PM | 33.73768 | 59.86573 | 26.12805 | 21.60195 | 47.86995 | 14.13227 | 24.51773 | 49.48952 | 15.75184 | 23.59816 | 40.89424 | 7.15656 | 22.65344 | 43.75527 | 10.01759 | 56.19241 |
| 1/2/2025 | 1:00:00 PM | 33.73433 | 59.88359 | 26.14926 | 21.58074 | 47.8733 | 14.13897 | 24.51103 | 49.49665 | 15.76232 | 23.58768 | 40.91928 | 7.18495 | 22.62505 | 43.766 | 10.03167 | 56.17833 |
| 1/2/2025 | 2:00:00 PM | 33.73768 | 59.8693 | 26.13162 | 21.59838 | 47.85989 | 14.12221 | 24.52779 | 49.47883 | 15.74115 | 23.60885 | 40.90855 | 7.17087 | 22.63913 | 43.766 | 10.02832 | 56.18168 |
| 1/2/2025 | 3:00:00 PM | 33.74102 | 59.89073 | 26.14971 | 21.58029 | 47.87666 | 14.13564 | 24.51436 | 49.48952 | 15.7485 | 23.6015 | 40.92286 | 7.18184 | 22.62816 | 43.79101 | 10.04999 | 56.16001 |
| 1/2/2025 | 4:00:00 PM | 33.75774 | 59.90858 | 26.15084 | 21.57916 | 47.88672 | 14.12898 | 24.52102 | 49.50735 | 15.74961 | 23.60039 | 40.93717 | 7.17943 | 22.63057 | 43.80531 | 10.04757 | 56.16243 |
| 1/2/2025 | 5:00:00 PM | 33.75774 | 59.8943 | 26.13656 | 21.59344 | 47.88001 | 14.12227 | 24.52773 | 49.48952 | 15.73178 | 23.61822 | 40.93002 | 7.17228 | 22.63772 | 43.79816 | 10.04042 | 56.16958 |
| 1/2/2025 | 6:00:00 PM | 33.75105 | 59.88002 | 26.12897 | 21.60103 | 47.86324 | 14.11219 | 24.53781 | 49.47883 | 15.72778 | 23.62222 | 40.91571 | 7.16466 | 22.64534 | 43.78386 | 10.03281 | 56.17719 |
| 1/2/2025 | 7:00:00 PM | 33.74771 | 59.87288 | 26.12517 | 21.60483 | 47.84647 | 14.09876 | 24.55124 | 49.461 | 15.71329 | 23.63671 | 40.90497 | 7.15726 | 22.65274 | 43.76957 | 10.02186 | 56.18814 |
| 1/2/2025 | 8:00:00 PM | 33.73768 | 59.87288 | 26.1352 | 21.5948 | 47.83977 | 14.10209 | 24.54791 | 49.45031 | 15.71263 | 23.63737 | 40.91213 | 7.17445 | 22.63555 | 43.77672 | 10.03904 | 56.17096 |
| 1/2/2025 | 9:00:00 PM | 33.71427 | 59.84431 | 26.13004 | 21.59996 | 47.81629 | 14.10202 | 24.54798 | 49.42891 | 15.71464 | 23.63536 | 40.89066 | 7.17639 | 22.63361 | 43.7517 | 10.03743 | 56.17257 |
| 1/2/2025 | 10:00:00 PM | 33.70424 | 59.83717 | 26.13293 | 21.59707 | 47.80287 | 14.09863 | 24.55137 | 49.41465 | 15.71041 | 23.63959 | 40.89066 | 7.18642 | 22.62358 | 43.74098 | 10.03674 | 56.17326 |
| 1/2/2025 | 11:00:00 PM | 33.69086 | 59.83717 | 26.14631 | 21.58369 | 47.79952 | 14.10866 | 24.54134 | 49.40039 | 15.70953 | 23.64047 | 40.89782 | 7.20696 | 22.60304 | 43.74455 | 10.05369 | 56.15631 |
| 1/3/2025 | 12:00:00 AM | 33.68083 | 59.82288 | 26.14205 | 21.58795 | 47.77604 | 14.09521 | 24.55479 | 49.379 | 15.69817 | 23.65183 | 40.88351 | 7.20268 | 22.60732 | 43.73383 | 10.053 | 56.157 |
| 1/3/2025 | 1:00:00 AM | 33.65408 | 59.80146 | 26.14738 | 21.58262 | 47.73915 | 14.08507 | 24.56493 | 49.33978 | 15.6857 | 23.6643 | 40.86204 | 7.20796 | 22.60204 | 43.70524 | 10.05116 | 56.15884 |
| 1/3/2025 | 2:00:00 AM | 33.6106 | 59.76575 | 26.15515 | 21.57485 | 47.70561 | 14.09501 | 24.55499 | 49.30056 | 15.68996 | 23.66004 | 40.84415 | 7.23355 | 22.57645 | 43.6838 | 10.0732 | 56.1368 |
| 1/3/2025 | 3:00:00 AM | 33.58385 | 59.73718 | 26.15333 | 21.57667 | 47.66872 | 14.08487 | 24.56513 | 49.27204 | 15.68819 | 23.66181 | 40.83699 | 7.25314 | 22.55686 | 43.67665 | 10.0928 | 56.1172 |
| 1/3/2025 | 4:00:00 AM | 33.53369 | 59.70504 | 26.17135 | 21.55865 | 47.62512 | 14.09143 | 24.55857 | 49.22569 | 15.692 | 23.658 | 40.81195 | 7.27826 | 22.53174 | 43.64448 | 10.11079 | 56.09921 |
| 1/3/2025 | 5:00:00 AM | 33.49356 | 59.67648 | 26.18292 | 21.54708 | 47.58822 | 14.09466 | 24.55534 | 49.19004 | 15.69648 | 23.65352 | 40.80837 | 7.31481 | 22.49519 | 43.63376 | 10.1402 | 56.0698 |
| 1/3/2025 | 6:00:00 AM | 33.4735 | 59.64791 | 26.17441 | 21.55559 | 47.54798 | 14.07448 | 24.57552 | 49.15082 | 15.67732 | 23.67268 | 40.78691 | 7.31341 | 22.49659 | 43.62304 | 10.14954 | 56.06046 |
| 1/3/2025 | 7:00:00 AM | 33.45344 | 59.63363 | 26.18019 | 21.54981 | 47.5245 | 14.07106 | 24.57894 | 49.133 | 15.67956 | 23.67044 | 40.79048 | 7.33704 | 22.47296 | 43.62304 | 10.1696 | 56.0404 |
| 1/3/2025 | 8:00:00 AM | 33.44675 | 59.63363 | 26.18688 | 21.54312 | 47.51444 | 14.06769 | 24.58231 | 49.1116 | 15.66485 | 23.68515 | 40.78691 | 7.34016 | 22.46984 | 43.64448 | 10.19773 | 56.01227 |
| 1/3/2025 | 9:00:00 AM | 33.45678 | 59.65505 | 26.19827 | 21.53173 | 47.53121 | 14.07443 | 24.57557 | 49.14013 | 15.68335 | 23.66665 | 40.81195 | 7.35517 | 22.45483 | 43.67307 | 10.21629 | 55.99371 |
| 1/3/2025 | 10:00:00 AM | 33.42668 | 59.65148 | 26.2248 | 21.5052 | 47.51779 | 14.09111 | 24.55889 | 49.12943 | 15.70275 | 23.64725 | 40.80122 | 7.37454 | 22.43546 | 43.68737 | 10.26069 | 55.94931 |
| 1/3/2025 | 11:00:00 AM | 33.43337 | 59.64434 | 26.21097 | 21.51903 | 47.51444 | 14.08107 | 24.56893 | 49.1223 | 15.68893 | 23.66107 | 40.79048 | 7.35711 | 22.45289 | 43.6838 | 10.25043 | 55.95957 |
| 1/3/2025 | 12:00:00 PM | 33.44006 | 59.64434 | 26.20428 | 21.52572 | 47.51779 | 14.07773 | 24.57227 | 49.12943 | 15.68937 | 23.66063 | 40.78691 | 7.34685 | 22.46315 | 43.69094 | 10.25088 | 55.95912 |
| 1/3/2025 | 1:00:00 PM | 33.44675 | 59.64077 | 26.19402 | 21.53598 | 47.51779 | 14.07104 | 24.57896 | 49.12587 | 15.67912 | 23.67088 | 40.78333 | 7.33658 | 22.47342 | 43.69809 | 10.25134 | 55.95866 |
| 1/3/2025 | 2:00:00 PM | 33.45009 | 59.64434 | 26.19425 | 21.53575 | 47.5245 | 14.07441 | 24.57559 | 49.12587 | 15.67578 | 23.67422 | 40.77617 | 7.32608 | 22.48392 | 43.70167 | 10.25158 | 55.95842 |
| 1/3/2025 | 3:00:00 PM | 33.46681 | 59.65505 | 26.18824 | 21.54176 | 47.54798 | 14.08117 | 24.56883 | 49.14726 | 15.68045 | 23.66955 | 40.78691 | 7.3201 | 22.4899 | 43.71953 | 10.25272 | 55.95728 |
| 1/3/2025 | 4:00:00 PM | 33.47684 | 59.67291 | 26.19607 | 21.53393 | 47.57145 | 14.09461 | 24.55539 | 49.16152 | 15.68468 | 23.66532 | 40.78691 | 7.31007 | 22.49993 | 43.74098 | 10.26414 | 55.94586 |
| 1/3/2025 | 5:00:00 PM | 33.48353 | 59.68719 | 26.20366 | 21.52634 | 47.59829 | 14.11476 | 24.53524 | 49.17935 | 15.69582 | 23.65418 | 40.78691 | 7.30338 | 22.50662 | 43.75885 | 10.27532 | 55.93468 |
| 1/3/2025 | 6:00:00 PM | 33.49022 | 59.68719 | 26.19697 | 21.53303 | 47.60164 | 14.11142 | 24.53858 | 49.19004 | 15.69982 | 23.65018 | 40.78691 | 7.29669 | 22.51331 | 43.75527 | 10.26505 | 55.94495 |
| 1/3/2025 | 7:00:00 PM | 33.49691 | 59.6979 | 26.20099 | 21.52901 | 47.62847 | 14.13156 | 24.51844 | 49.2043 | 15.70739 | 23.64261 | 40.78691 | 7.29 | 22.52 | 43.76242 | 10.26551 | 55.94449 |
| 1/3/2025 | 8:00:00 PM | 33.50694 | 59.70504 | 26.1981 | 21.5319 | 47.64189 | 14.13495 | 24.51505 | 49.22569 | 15.71875 | 23.63125 | 40.79048 | 7.28354 | 22.52646 | 43.76957 | 10.26263 | 55.94737 |
| 1/3/2025 | 9:00:00 PM | 33.51028 | 59.71219 | 26.20191 | 21.52809 | 47.65866 | 14.14838 | 24.50162 | 49.23995 | 15.72967 | 23.62033 | 40.79406 | 7.28378 | 22.52622 | 43.76957 | 10.25929 | 55.95071 |
| 1/3/2025 | 10:00:00 PM | 33.52032 | 59.72647 | 26.20615 | 21.52385 | 47.67207 | 14.15175 | 24.49825 | 49.25422 | 15.7339 | 23.6161 | 40.79406 | 7.27374 | 22.53626 | 43.78386 | 10.26354 | 55.94646 |
| 1/3/2025 | 11:00:00 PM | 33.527 | 59.73004 | 26.20304 | 21.52696 | 47.68884 | 14.16184 | 24.48816 | 49.25778 | 15.73078 | 23.61922 | 40.79764 | 7.27064 | 22.53936 | 43.78386 | 10.25686 | 55.95314 |
| 1/4/2025 | 12:00:00 AM | 33.52032 | 59.73004 | 26.20972 | 21.52028 | 47.70226 | 14.18194 | 24.46806 | 49.27561 | 15.75529 | 23.59471 | 40.79764 | 7.27732 | 22.53268 | 43.77672 | 10.2564 | 55.9536 |
| 1/4/2025 | 1:00:00 AM | 33.53369 | 59.73718 | 26.20349 | 21.52651 | 47.71567 | 14.18198 | 24.46802 | 49.28274 | 15.74905 | 23.60095 | 40.79048 | 7.25679 | 22.55321 | 43.766 | 10.23231 | 55.97769 |
| 1/4/2025 | 2:00:00 AM | 33.54707 | 59.76218 | 26.21511 | 21.51489 | 47.73915 | 14.19208 | 24.45792 | 49.31126 | 15.76419 | 23.58581 | 40.80837 | 7.2613 | 22.5487 | 43.77314 | 10.22607 | 55.98393 |
| 1/4/2025 | 3:00:00 AM | 33.5571 | 59.7836 | 26.2265 | 21.5035 | 47.76933 | 14.21223 | 24.43777 | 49.33265 | 15.77555 | 23.57445 | 40.81911 | 7.26201 | 22.54799 | 43.79101 | 10.23391 | 55.97609 |
| 1/4/2025 | 4:00:00 AM | 33.55041 | 59.77289 | 26.22248 | 21.50752 | 47.76263 | 14.21222 | 24.43778 | 49.32909 | 15.77868 | 23.57132 | 40.80479 | 7.25438 | 22.55562 | 43.766 | 10.21559 | 55.99441 |
| 1/4/2025 | 5:00:00 AM | 33.527 | 59.77646 | 26.24946 | 21.48054 | 47.77269 | 14.24569 | 24.40431 | 49.33978 | 15.81278 | 23.53722 | 40.80122 | 7.27422 | 22.53578 | 43.76242 | 10.23542 | 55.97458 |
| 1/4/2025 | 6:00:00 AM | 33.53369 | 59.77646 | 26.24277 | 21.48723 | 47.76933 | 14.23564 | 24.41436 | 49.33265 | 15.79896 | 23.55104 | 40.79764 | 7.26395 | 22.54605 | 43.75885 | 10.22516 | 55.98484 |
| 1/4/2025 | 7:00:00 AM | 33.54372 | 59.78717 | 26.24345 | 21.48655 | 47.79617 | 14.25245 | 24.39755 | 49.35048 | 15.80676 | 23.54324 | 40.81553 | 7.27181 | 22.53819 | 43.76957 | 10.22585 | 55.98415 |
| 1/4/2025 | 8:00:00 AM | 33.54707 | 59.80146 | 26.25439 | 21.47561 | 47.80287 | 14.2558 | 24.3942 | 49.36474 | 15.81767 | 23.53233 | 40.81553 | 7.26846 | 22.54154 | 43.77672 | 10.22965 | 55.98035 |
| 1/4/2025 | 9:00:00 AM | 33.56379 | 59.8086 | 26.24481 | 21.48519 | 47.81629 | 14.2525 | 24.3975 | 49.37543 | 15.81164 | 23.53836 | 40.82984 | 7.26605 | 22.54395 | 43.78744 | 10.22365 | 55.98635 |
| 1/4/2025 | 10:00:00 AM | 33.57382 | 59.81574 | 26.24192 | 21.48808 | 47.81964 | 14.24582 | 24.40418 | 49.38613 | 15.81231 | 23.53769 | 40.82626 | 7.25244 | 22.55756 | 43.77314 | 10.19932 | 56.01068 |
| 1/4/2025 | 11:00:00 AM | 33.58051 | 59.81217 | 26.23166 | 21.49834 | 47.82635 | 14.24584 | 24.40416 | 49.38257 | 15.80206 | 23.54794 | 40.82268 | 7.24217 | 22.56783 | 43.76957 | 10.18906 | 56.02094 |
| 1/4/2025 | 12:00:00 PM | 33.59388 | 59.8086 | 26.21472 | 21.51528 | 47.80958 | 14.2157 | 24.4343 | 49.37543 | 15.78155 | 23.56845 | 40.81553 | 7.22165 | 22.58835 | 43.74455 | 10.15067 | 56.05933 |
| 1/4/2025 | 1:00:00 PM | 33.59054 | 59.7836 | 26.19306 | 21.53694 | 47.79617 | 14.20563 | 24.44437 | 49.35761 | 15.76707 | 23.58293 | 40.80837 | 7.21783 | 22.59217 | 43.73026 | 10.13972 | 56.07028 |
| 1/4/2025 | 2:00:00 PM | 33.5872 | 59.79789 | 26.21069 | 21.51931 | 47.79617 | 14.20897 | 24.44103 | 49.35761 | 15.77041 | 23.57959 | 40.81195 | 7.22475 | 22.58525 | 43.73026 | 10.14306 | 56.06694 |
| 1/4/2025 | 3:00:00 PM | 33.60057 | 59.81574 | 26.21517 | 21.51483 | 47.81629 | 14.21572 | 24.43428 | 49.379 | 15.77843 | 23.57157 | 40.83342 | 7.23285 | 22.57715 | 43.74455 | 10.14398 | 56.06602 |
| 1/4/2025 | 4:00:00 PM | 33.61395 | 59.81931 | 26.20536 | 21.52464 | 47.8297 | 14.21575 | 24.43425 | 49.38257 | 15.76862 | 23.58138 | 40.83699 | 7.22304 | 22.58696 | 43.7517 | 10.13775 | 56.07225 |
| 1/4/2025 | 5:00:00 PM | 33.61729 | 59.83003 | 26.21274 | 21.51726 | 47.82635 | 14.20906 | 24.44094 | 49.39326 | 15.77597 | 23.57403 | 40.83699 | 7.2197 | 22.5903 | 43.75527 | 10.13798 | 56.07202 |
| 1/4/2025 | 6:00:00 PM | 33.61729 | 59.82645 | 26.20916 | 21.52084 | 47.83306 | 14.21577 | 24.43423 | 49.39683 | 15.77954 | 23.57046 | 40.83699 | 7.2197 | 22.5903 | 43.74813 | 10.13084 | 56.07916 |
| 1/4/2025 | 7:00:00 PM | 33.60726 | 59.81931 | 26.21205 | 21.51795 | 47.8297 | 14.22244 | 24.42756 | 49.379 | 15.77174 | 23.57826 | 40.82626 | 7.219 | 22.591 | 43.73383 | 10.12657 | 56.08343 |
| 1/4/2025 | 8:00:00 PM | 33.60726 | 59.81574 | 26.20848 | 21.52152 | 47.81964 | 14.21238 | 24.43762 | 49.3683 | 15.76104 | 23.58896 | 40.83342 | 7.22616 | 22.58384 | 43.73026 | 10.123 | 56.087 |
| 1/4/2025 | 9:00:00 PM | 33.60392 | 59.81217 | 26.20825 | 21.52175 | 47.81964 | 14.21572 | 24.43428 | 49.36474 | 15.76082 | 23.58918 | 40.82626 | 7.22234 | 22.58766 | 43.71953 | 10.11561 | 56.09439 |
| 1/4/2025 | 10:00:00 PM | 33.60726 | 59.81931 | 26.21205 | 21.51795 | 47.823 | 14.21574 | 24.43426 | 49.37187 | 15.76461 | 23.58539 | 40.83699 | 7.22973 | 22.58027 | 43.71953 | 10.11227 | 56.09773 |
| 1/4/2025 | 11:00:00 PM | 33.62398 | 59.85145 | 26.22747 | 21.50253 | 47.85653 | 14.23255 | 24.41745 | 49.40396 | 15.77998 | 23.57002 | 40.85846 | 7.23448 | 22.57552 | 43.74455 | 10.12057 | 56.08943 |
| 1/5/2025 | 12:00:00 AM | 33.62732 | 59.86216 | 26.23484 | 21.49516 | 47.88001 | 14.25269 | 24.39731 | 49.41822 | 15.7909 | 23.5591 | 40.86204 | 7.23472 | 22.57528 | 43.766 | 10.13868 | 56.07132 |
| 1/5/2025 | 1:00:00 AM | 33.6407 | 59.87288 | 26.23218 | 21.49782 | 47.89678 | 14.25608 | 24.39392 | 49.43961 | 15.79891 | 23.55109 | 40.86919 | 7.22849 | 22.58151 | 43.76957 | 10.12887 | 56.08113 |
| 1/5/2025 | 2:00:00 AM | 33.64404 | 59.88359 | 26.23955 | 21.49045 | 47.9169 | 14.27286 | 24.37714 | 49.45744 | 15.8134 | 23.5366 | 40.87635 | 7.23231 | 22.57769 | 43.78029 | 10.13625 | 56.07375 |
| 1/5/2025 | 3:00:00 AM | 33.66745 | 59.90501 | 26.23756 | 21.49244 | 47.94709 | 14.27964 | 24.37036 | 49.48239 | 15.81494 | 23.53506 | 40.88351 | 7.21606 | 22.59394 | 43.80173 | 10.13428 | 56.07572 |
| 1/5/2025 | 4:00:00 AM | 33.68752 | 59.92287 | 26.23535 | 21.49465 | 47.97392 | 14.2864 | 24.3636 | 49.50378 | 15.81626 | 23.53374 | 40.89424 | 7.20672 | 22.60328 | 43.80888 | 10.12136 | 56.08864 |
| 1/5/2025 | 5:00:00 AM | 33.71761 | 59.94072 | 26.22311 | 21.50689 | 48.00746 | 14.28985 | 24.36015 | 49.53587 | 15.81826 | 23.53174 | 40.90855 | 7.19094 | 22.61906 | 43.8196 | 10.10199 | 56.10801 |
| 1/5/2025 | 6:00:00 AM | 33.73768 | 59.97286 | 26.23518 | 21.49482 | 48.03094 | 14.29326 | 24.35674 | 49.56796 | 15.83028 | 23.51972 | 40.91928 | 7.1816 | 22.6284 | 43.82675 | 10.08907 | 56.12093 |
| 1/5/2025 | 7:00:00 AM | 33.75774 | 59.98357 | 26.22583 | 21.50417 | 48.05777 | 14.30003 | 24.34997 | 49.58935 | 15.83161 | 23.51839 | 40.92286 | 7.16512 | 22.64488 | 43.8339 | 10.07616 | 56.13384 |
| 1/5/2025 | 8:00:00 AM | 33.78115 | 59.99429 | 26.21314 | 21.51686 | 48.07789 | 14.29674 | 24.35326 | 49.61431 | 15.83316 | 23.51684 | 40.93717 | 7.15602 | 22.65398 | 43.8339 | 10.05275 | 56.15725 |
| 1/5/2025 | 9:00:00 AM | 33.81459 | 60.01928 | 26.20469 | 21.52531 | 48.12149 | 14.3069 | 24.3431 | 49.65353 | 15.83894 | 23.51106 | 40.95864 | 7.14405 | 22.66595 | 43.85534 | 10.04075 | 56.16925 |
| 1/5/2025 | 10:00:00 AM | 33.84134 | 60.04071 | 26.19937 | 21.53063 | 48.14832 | 14.30698 | 24.34302 | 49.67848 | 15.83714 | 23.51286 | 40.96579 | 7.12445 | 22.68555 | 43.85892 | 10.01758 | 56.19242 |
| 1/5/2025 | 11:00:00 AM | 33.85137 | 60.04071 | 26.18934 | 21.54066 | 48.15503 | 14.30366 | 24.34634 | 49.69274 | 15.84137 | 23.50863 | 40.95864 | 7.10727 | 22.70273 | 43.85534 | 10.00397 | 56.20603 |
| 1/5/2025 | 12:00:00 PM | 33.85472 | 60.03357 | 26.17885 | 21.55115 | 48.14832 | 14.2936 | 24.3564 | 49.68918 | 15.83446 | 23.51554 | 40.95148 | 7.09676 | 22.71324 | 43.82318 | 9.96846 | 56.24154 |
| 1/5/2025 | 1:00:00 PM | 33.85472 | 60.04428 | 26.18956 | 21.54044 | 48.15168 | 14.29696 | 24.35304 | 49.68918 | 15.83446 | 23.51554 | 40.95148 | 7.09676 | 22.71324 | 43.8196 | 9.96488 | 56.24512 |
| 1/5/2025 | 2:00:00 PM | 33.8614 | 60.03714 | 26.17574 | 21.55426 | 48.15838 | 14.29698 | 24.35302 | 49.69631 | 15.83491 | 23.51509 | 40.96579 | 7.10439 | 22.70561 | 43.8196 | 9.9582 | 56.2518 |
| 1/5/2025 | 3:00:00 PM | 33.8614 | 60.05499 | 26.19359 | 21.53641 | 48.16845 | 14.30705 | 24.34295 | 49.70344 | 15.84204 | 23.50796 | 40.97653 | 7.11513 | 22.69487 | 43.8196 | 9.9582 | 56.2518 |
| 1/5/2025 | 4:00:00 PM | 33.87478 | 60.07642 | 26.20164 | 21.52836 | 48.18857 | 14.31379 | 24.33621 | 49.73196 | 15.85718 | 23.49282 | 40.98726 | 7.11248 | 22.69752 | 43.8339 | 9.95912 | 56.25088 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/5/2025 | 5:00:00 PM | 33.88481 | 60.07284 | 26.18803 | 21.54197 | 48.18857 | 14.30376 | 24.34624 | 49.73553 | 15.85072 | 23.49928 | 40.98368 | 7.09887 | 22.71113 | 43.8339 | 9.94909 | 56.26091 |
| 1/5/2025 | 6:00:00 PM | 33.8915 | 60.07999 | 26.18849 | 21.54151 | 48.19863 | 14.30713 | 24.34287 | 49.74979 | 15.85829 | 23.49171 | 41.00157 | 7.11007 | 22.69993 | 43.8339 | 9.9424 | 56.2676 |
| 1/5/2025 | 7:00:00 PM | 33.90822 | 60.09784 | 26.18962 | 21.54038 | 48.2154 | 14.30718 | 24.34282 | 49.77475 | 15.86653 | 23.48347 | 41.01231 | 7.10409 | 22.70591 | 43.8339 | 9.92568 | 56.28432 |
| 1/5/2025 | 8:00:00 PM | 33.92828 | 60.11927 | 26.19099 | 21.53901 | 48.23888 | 14.3106 | 24.3394 | 49.79614 | 15.86786 | 23.48214 | 41.02662 | 7.09834 | 22.71166 | 43.85892 | 9.93064 | 56.27936 |
| 1/5/2025 | 9:00:00 PM | 33.93163 | 60.12641 | 26.19478 | 21.53522 | 48.23888 | 14.30725 | 24.34275 | 49.80327 | 15.87164 | 23.47836 | 41.03377 | 7.10214 | 22.70786 | 43.85534 | 9.92371 | 56.28629 |
| 1/5/2025 | 10:00:00 PM | 33.93832 | 60.12284 | 26.18452 | 21.54548 | 48.23888 | 14.30056 | 24.34944 | 49.80327 | 15.86495 | 23.48505 | 41.02662 | 7.0883 | 22.7217 | 43.83747 | 9.89915 | 56.31085 |
| 1/5/2025 | 11:00:00 PM | 33.95838 | 60.14069 | 26.18231 | 21.54769 | 48.25565 | 14.29727 | 24.35273 | 49.83535 | 15.87697 | 23.47303 | 41.05166 | 7.09328 | 22.71672 | 43.85892 | 9.90054 | 56.30946 |
| 1/6/2025 | 12:00:00 AM | 33.96507 | 60.15497 | 26.1899 | 21.5401 | 48.27242 | 14.30735 | 24.34265 | 49.83892 | 15.87385 | 23.47615 | 41.05524 | 7.09017 | 22.71983 | 43.8482 | 9.88313 | 56.32687 |
| 1/6/2025 | 1:00:00 AM | 33.98179 | 60.16212 | 26.18033 | 21.54967 | 48.27912 | 14.29733 | 24.35267 | 49.85318 | 15.87139 | 23.47861 | 41.06597 | 7.08418 | 22.72582 | 43.85892 | 9.87713 | 56.33287 |
| 1/6/2025 | 2:00:00 AM | 34.00854 | 60.17997 | 26.17143 | 21.55857 | 48.3026 | 14.29406 | 24.35594 | 49.8817 | 15.87316 | 23.47684 | 41.09102 | 7.08248 | 22.72752 | 43.87321 | 9.86467 | 56.34533 |
| 1/6/2025 | 3:00:00 AM | 34.03195 | 60.21211 | 26.18016 | 21.54984 | 48.32943 | 14.29748 | 24.35252 | 49.9031 | 15.87115 | 23.47885 | 41.10891 | 7.07696 | 22.73304 | 43.89823 | 9.86628 | 56.34372 |
| 1/6/2025 | 4:00:00 AM | 34.03529 | 60.19068 | 26.15539 | 21.57461 | 48.31266 | 14.27737 | 24.37263 | 49.8924 | 15.85711 | 23.49289 | 41.08744 | 7.05215 | 22.75785 | 43.87321 | 9.83792 | 56.37208 |
| 1/6/2025 | 5:00:00 AM | 34.03195 | 60.19068 | 26.15873 | 21.57127 | 48.31602 | 14.28407 | 24.36593 | 49.89953 | 15.86758 | 23.48242 | 41.0946 | 7.06265 | 22.74735 | 43.86606 | 9.83411 | 56.37589 |
| 1/6/2025 | 6:00:00 AM | 34.04867 | 60.21925 | 26.17058 | 21.55942 | 48.33614 | 14.28747 | 24.36253 | 49.92805 | 15.87938 | 23.47062 | 41.11606 | 7.06739 | 22.74261 | 43.88393 | 9.83526 | 56.37474 |
| 1/6/2025 | 7:00:00 AM | 34.05201 | 60.21568 | 26.16367 | 21.56633 | 48.32608 | 14.27407 | 24.37593 | 49.91379 | 15.86178 | 23.48822 | 41.10891 | 7.0569 | 22.7531 | 43.87679 | 9.82478 | 56.38522 |
| 1/6/2025 | 8:00:00 AM | 34.0587 | 60.22639 | 26.16769 | 21.56231 | 48.34285 | 14.28415 | 24.36585 | 49.92805 | 15.86935 | 23.48065 | 41.13037 | 7.07167 | 22.73833 | 43.88036 | 9.82166 | 56.38834 |
| 1/6/2025 | 9:00:00 AM | 34.07542 | 60.2621 | 26.18668 | 21.54332 | 48.36968 | 14.29426 | 24.35574 | 49.96727 | 15.89185 | 23.45815 | 41.15542 | 7.08 | 22.73 | 43.90895 | 9.83353 | 56.37647 |
| 1/6/2025 | 10:00:00 AM | 34.1122 | 60.27996 | 26.16776 | 21.56224 | 48.39651 | 14.28431 | 24.36569 | 49.98866 | 15.87646 | 23.47354 | 41.17689 | 7.06469 | 22.74531 | 43.91967 | 9.80747 | 56.40253 |
| 1/6/2025 | 11:00:00 AM | 34.12224 | 60.2871 | 26.16486 | 21.56514 | 48.39651 | 14.27427 | 24.37573 | 49.99579 | 15.87355 | 23.47645 | 41.16973 | 7.04749 | 22.76251 | 43.91967 | 9.79743 | 56.41257 |
| 1/6/2025 | 12:00:00 PM | 34.13896 | 60.30495 | 26.16599 | 21.56401 | 48.41328 | 14.27432 | 24.37568 | 50.01718 | 15.87822 | 23.47178 | 41.18404 | 7.04508 | 22.76492 | 43.93397 | 9.79501 | 56.41499 |
| 1/6/2025 | 1:00:00 PM | 34.15233 | 60.31209 | 26.15976 | 21.57024 | 48.41999 | 14.26766 | 24.38234 | 50.01718 | 15.86485 | 23.48515 | 41.1912 | 7.03887 | 22.77113 | 43.92325 | 9.77092 | 56.43908 |
| 1/6/2025 | 2:00:00 PM | 34.15902 | 60.29781 | 26.13879 | 21.59121 | 48.41328 | 14.25426 | 24.39574 | 50.01718 | 15.85816 | 23.49184 | 41.18404 | 7.02502 | 22.78498 | 43.91253 | 9.75351 | 56.45649 |
| 1/6/2025 | 3:00:00 PM | 34.14899 | 60.30495 | 26.15596 | 21.57404 | 48.40322 | 14.25423 | 24.39577 | 50.02075 | 15.87176 | 23.47824 | 41.19835 | 7.04936 | 22.76064 | 43.90538 | 9.75639 | 56.45361 |
| 1/6/2025 | 4:00:00 PM | 34.15233 | 60.31566 | 26.16333 | 21.56667 | 48.41663 | 14.2643 | 24.3857 | 50.03144 | 15.87911 | 23.47089 | 41.20909 | 7.05676 | 22.75324 | 43.91253 | 9.7602 | 56.4498 |
| 1/6/2025 | 5:00:00 PM | 34.16571 | 60.32995 | 26.16424 | 21.56576 | 48.43005 | 14.26434 | 24.38566 | 50.03858 | 15.87287 | 23.47713 | 41.21266 | 7.04695 | 22.76305 | 43.92325 | 9.75754 | 56.45246 |
| 1/6/2025 | 6:00:00 PM | 34.17574 | 60.33709 | 26.16135 | 21.56865 | 48.4334 | 14.25766 | 24.39234 | 50.04571 | 15.86997 | 23.48003 | 41.22697 | 7.05123 | 22.75877 | 43.92325 | 9.74751 | 56.46249 |
| 1/6/2025 | 7:00:00 PM | 34.1724 | 60.32638 | 26.15398 | 21.57602 | 48.41999 | 14.24759 | 24.40241 | 50.03858 | 15.86618 | 23.48382 | 41.22697 | 7.05457 | 22.75543 | 43.91967 | 9.74727 | 56.46273 |
| 1/6/2025 | 8:00:00 PM | 34.17908 | 60.34423 | 26.16515 | 21.56485 | 48.42334 | 14.24426 | 24.40574 | 50.03858 | 15.8595 | 23.4905 | 41.23771 | 7.05863 | 22.75137 | 43.92325 | 9.74417 | 56.46583 |
| 1/6/2025 | 9:00:00 PM | 34.18243 | 60.3478 | 26.16537 | 21.56463 | 48.4334 | 14.25097 | 24.39903 | 50.03858 | 15.85615 | 23.49385 | 41.25202 | 7.06959 | 22.74041 | 43.9161 | 9.73367 | 56.47633 |
| 1/6/2025 | 10:00:00 PM | 34.19246 | 60.36209 | 26.16963 | 21.56037 | 48.44346 | 14.251 | 24.399 | 50.04927 | 15.85681 | 23.49319 | 41.26633 | 7.07387 | 22.73613 | 43.93754 | 9.74508 | 56.46492 |
| 1/6/2025 | 11:00:00 PM | 34.18577 | 60.35494 | 26.16917 | 21.56083 | 48.42669 | 14.24092 | 24.40908 | 50.04571 | 15.85994 | 23.49006 | 41.25917 | 7.0734 | 22.7366 | 43.9161 | 9.73033 | 56.47967 |
| 1/7/2025 | 12:00:00 AM | 34.17908 | 60.35137 | 26.17229 | 21.55771 | 48.41663 | 14.23755 | 24.41245 | 50.03501 | 15.85593 | 23.49407 | 41.2556 | 7.07652 | 22.73348 | 43.91253 | 9.73345 | 56.47655 |
| 1/7/2025 | 1:00:00 AM | 34.19246 | 60.36923 | 26.17677 | 21.55323 | 48.43005 | 14.23759 | 24.41241 | 50.04927 | 15.85681 | 23.49319 | 41.28064 | 7.08818 | 22.72182 | 43.93397 | 9.74151 | 56.46849 |
| 1/7/2025 | 2:00:00 AM | 34.17908 | 60.3478 | 26.16872 | 21.56128 | 48.40657 | 14.22749 | 24.42251 | 50.02431 | 15.84523 | 23.50477 | 41.26633 | 7.08725 | 22.72275 | 43.90895 | 9.72987 | 56.48013 |
| 1/7/2025 | 3:00:00 AM | 34.1724 | 60.34066 | 26.16826 | 21.56174 | 48.39986 | 14.22746 | 24.42254 | 50.01718 | 15.84478 | 23.50522 | 41.27706 | 7.10466 | 22.70534 | 43.91253 | 9.74013 | 56.46987 |
| 1/7/2025 | 4:00:00 AM | 34.14899 | 60.33709 | 26.1881 | 21.5419 | 48.37639 | 14.2274 | 24.4226 | 50.00292 | 15.85393 | 23.49607 | 41.26991 | 7.12092 | 22.68908 | 43.89823 | 9.74924 | 56.46076 |
| 1/7/2025 | 5:00:00 AM | 34.14899 | 60.33352 | 26.18453 | 21.54547 | 48.36632 | 14.21733 | 24.43267 | 49.99223 | 15.84324 | 23.50676 | 41.27349 | 7.1245 | 22.6855 | 43.89823 | 9.74924 | 56.46076 |
| 1/7/2025 | 6:00:00 AM | 34.14564 | 60.34066 | 26.19502 | 21.53498 | 48.38309 | 14.23745 | 24.41255 | 50.00292 | 15.85728 | 23.49272 | 41.29495 | 7.14931 | 22.66069 | 43.91253 | 9.76689 | 56.44311 |
| 1/7/2025 | 7:00:00 AM | 34.14899 | 60.35137 | 26.20238 | 21.52762 | 48.38309 | 14.2341 | 24.4159 | 50.01005 | 15.86106 | 23.48894 | 41.30926 | 7.16027 | 22.64973 | 43.93754 | 9.78855 | 56.42145 |
| 1/7/2025 | 8:00:00 AM | 34.16236 | 60.36923 | 26.20687 | 21.52313 | 48.39651 | 14.23415 | 24.41585 | 50.02431 | 15.86195 | 23.48805 | 41.32357 | 7.16121 | 22.64879 | 43.94469 | 9.78233 | 56.42767 |
| 1/7/2025 | 9:00:00 AM | 34.17574 | 60.37637 | 26.20063 | 21.52937 | 48.39986 | 14.22412 | 24.42588 | 50.02431 | 15.84857 | 23.50143 | 41.32 | 7.14426 | 22.66574 | 43.95184 | 9.7761 | 56.4339 |
| 1/7/2025 | 10:00:00 AM | 34.18243 | 60.40137 | 26.21894 | 21.51106 | 48.41663 | 14.2342 | 24.4158 | 50.03144 | 15.84901 | 23.50099 | 41.33431 | 7.15188 | 22.65812 | 43.96971 | 9.78728 | 56.42272 |
| 1/7/2025 | 11:00:00 AM | 34.18577 | 60.38708 | 26.20131 | 21.52869 | 48.40657 | 14.2208 | 24.4292 | 50.02788 | 15.84211 | 23.50789 | 41.32715 | 7.14138 | 22.66862 | 43.96256 | 9.77679 | 56.43321 |
| 1/7/2025 | 12:00:00 PM | 34.14899 | 60.32638 | 26.17739 | 21.55261 | 48.33949 | 14.1905 | 24.4595 | 49.96727 | 15.81828 | 23.53172 | 41.28422 | 7.13523 | 22.67477 | 43.89823 | 9.74924 | 56.46076 |
| 1/7/2025 | 1:00:00 PM | 34.1423 | 60.29424 | 26.15194 | 21.57806 | 48.29925 | 14.15695 | 24.49305 | 49.92805 | 15.78575 | 23.56425 | 41.26275 | 7.12045 | 22.68955 | 43.87679 | 9.73449 | 56.47551 |
| 1/7/2025 | 2:00:00 PM | 34.13227 | 60.29781 | 26.16554 | 21.56446 | 48.28248 | 14.15021 | 24.49979 | 49.90666 | 15.77439 | 23.57561 | 41.27706 | 7.14479 | 22.66521 | 43.87321 | 9.74094 | 56.46906 |
| 1/7/2025 | 3:00:00 PM | 34.13561 | 60.27996 | 26.14435 | 21.58565 | 48.25565 | 14.12004 | 24.52996 | 49.88527 | 15.74966 | 23.60034 | 41.28064 | 7.14503 | 22.66497 | 43.86606 | 9.73045 | 56.47955 |
| 1/7/2025 | 4:00:00 PM | 34.12558 | 60.2871 | 26.16152 | 21.56848 | 48.25229 | 14.12671 | 24.52329 | 49.87814 | 15.75256 | 23.59744 | 41.29853 | 7.17295 | 22.63705 | 43.88393 | 9.75835 | 56.45165 |
| 1/7/2025 | 5:00:00 PM | 34.1423 | 60.29781 | 26.15551 | 21.57449 | 48.25565 | 14.11335 | 24.53665 | 49.8817 | 15.7394 | 23.6106 | 41.30926 | 7.16696 | 22.64304 | 43.90895 | 9.76665 | 56.44335 |
| 1/7/2025 | 6:00:00 PM | 34.13227 | 60.2871 | 26.15483 | 21.57517 | 48.23552 | 14.10325 | 24.54675 | 49.87101 | 15.73874 | 23.61126 | 41.30211 | 7.16984 | 22.64016 | 43.9018 | 9.76953 | 56.44047 |
| 1/7/2025 | 7:00:00 PM | 34.12558 | 60.26924 | 26.14366 | 21.58634 | 48.21875 | 14.09317 | 24.55683 | 49.84962 | 15.72404 | 23.62596 | 41.29137 | 7.16579 | 22.64421 | 43.89108 | 9.7655 | 56.4445 |
| 1/7/2025 | 8:00:00 PM | 34.13561 | 60.29424 | 26.15863 | 21.57137 | 48.23888 | 14.10327 | 24.54673 | 49.86744 | 15.73183 | 23.61817 | 41.32 | 7.18439 | 22.62561 | 43.92325 | 9.78764 | 56.42236 |
| 1/7/2025 | 9:00:00 PM | 34.12558 | 60.26567 | 26.14009 | 21.58991 | 48.20869 | 14.08311 | 24.56689 | 49.83892 | 15.71334 | 23.63666 | 41.29853 | 7.17295 | 22.63705 | 43.91253 | 9.78695 | 56.42305 |
| 1/7/2025 | 10:00:00 PM | 34.12558 | 60.2621 | 26.13652 | 21.59348 | 48.19863 | 14.07305 | 24.57695 | 49.82466 | 15.69908 | 23.65092 | 41.29495 | 7.16937 | 22.64063 | 43.90895 | 9.78337 | 56.42663 |
| 1/7/2025 | 11:00:00 PM | 34.13896 | 60.30495 | 26.16599 | 21.56401 | 48.23552 | 14.09656 | 24.55344 | 49.86744 | 15.72848 | 23.62152 | 41.33789 | 7.19893 | 22.61107 | 43.95899 | 9.82003 | 56.38997 |
| 1/8/2025 | 12:00:00 AM | 34.15233 | 60.31566 | 26.16333 | 21.56667 | 48.26571 | 14.11338 | 24.53662 | 49.88527 | 15.73294 | 23.61706 | 41.34862 | 7.19629 | 22.61371 | 43.97328 | 9.82095 | 56.38905 |
| 1/8/2025 | 1:00:00 AM | 34.15902 | 60.31924 | 26.16022 | 21.56978 | 48.259 | 14.09998 | 24.55002 | 49.88527 | 15.72625 | 23.62375 | 41.34504 | 7.18602 | 22.62398 | 43.98758 | 9.82856 | 56.38144 |
| 1/8/2025 | 2:00:00 AM | 34.15902 | 60.31924 | 26.16022 | 21.56978 | 48.26235 | 14.10333 | 24.54667 | 49.8924 | 15.73338 | 23.61662 | 41.33431 | 7.17529 | 22.63471 | 43.97686 | 9.81784 | 56.39216 |
| 1/8/2025 | 3:00:00 AM | 34.16236 | 60.32638 | 26.16402 | 21.56598 | 48.27242 | 14.11006 | 24.53994 | 49.89953 | 15.73717 | 23.61283 | 41.33431 | 7.17195 | 22.63805 | 43.99115 | 9.82879 | 56.38121 |
| 1/8/2025 | 4:00:00 AM | 34.16905 | 60.32995 | 26.1609 | 21.5691 | 48.27912 | 14.11007 | 24.53993 | 49.9031 | 15.73405 | 23.61595 | 41.34504 | 7.17599 | 22.63401 | 43.99473 | 9.82568 | 56.38432 |
| 1/8/2025 | 5:00:00 AM | 34.16905 | 60.32281 | 26.15376 | 21.57624 | 48.27912 | 14.11007 | 24.53993 | 49.8924 | 15.72335 | 23.62665 | 41.33431 | 7.16526 | 22.64474 | 43.984 | 9.81495 | 56.39505 |
| 1/8/2025 | 6:00:00 AM | 34.17574 | 60.33709 | 26.16135 | 21.56865 | 48.29254 | 14.1168 | 24.5332 | 49.91023 | 15.73449 | 23.61551 | 41.34862 | 7.17288 | 22.63712 | 44.00545 | 9.82971 | 56.38029 |
| 1/8/2025 | 7:00:00 AM | 34.16905 | 60.34423 | 26.17518 | 21.55482 | 48.29589 | 14.12684 | 24.52316 | 49.91023 | 15.74118 | 23.60882 | 41.3522 | 7.18315 | 22.62685 | 44.00187 | 9.83282 | 56.37718 |
| 1/8/2025 | 8:00:00 AM | 34.18577 | 60.36209 | 26.17632 | 21.55368 | 48.31937 | 14.1336 | 24.5164 | 49.93162 | 15.74585 | 23.60415 | 41.37009 | 7.18432 | 22.62568 | 44.02689 | 9.84112 | 56.36888 |
| 1/8/2025 | 9:00:00 AM | 34.20249 | 60.39422 | 26.19173 | 21.53827 | 48.35626 | 14.15377 | 24.49623 | 49.9637 | 15.76121 | 23.58879 | 41.39155 | 7.18906 | 22.62094 | 44.05191 | 9.84942 | 56.36058 |
| 1/8/2025 | 10:00:00 AM | 34.21252 | 60.40137 | 26.18885 | 21.54115 | 48.36632 | 14.1538 | 24.4962 | 49.98153 | 15.76901 | 23.58099 | 41.39513 | 7.18261 | 22.62739 | 44.06263 | 9.85011 | 56.35989 |
| 1/8/2025 | 11:00:00 AM | 34.21921 | 60.38708 | 26.16787 | 21.56213 | 48.34956 | 14.13035 | 24.51965 | 49.96014 | 15.74093 | 23.60907 | 41.37009 | 7.15088 | 22.65912 | 44.03761 | 9.8184 | 56.3916 |
| 1/8/2025 | 12:00:00 PM | 34.21587 | 60.36209 | 26.14622 | 21.58378 | 48.32943 | 14.11356 | 24.53644 | 49.92805 | 15.71218 | 23.63782 | 41.35578 | 7.13991 | 22.67009 | 44.00545 | 9.78958 | 56.42042 |
| 1/8/2025 | 1:00:00 PM | 34.22924 | 60.35494 | 26.1257 | 21.6043 | 48.31602 | 14.08678 | 24.56322 | 49.92092 | 15.69168 | 23.65832 | 41.36651 | 7.13727 | 22.67273 | 43.99473 | 9.76549 | 56.44451 |
| 1/8/2025 | 2:00:00 PM | 34.22256 | 60.34423 | 26.12167 | 21.60833 | 48.29589 | 14.07333 | 24.57667 | 49.9031 | 15.68054 | 23.66946 | 41.35935 | 7.13679 | 22.67321 | 43.98758 | 9.76502 | 56.44498 |
| 1/8/2025 | 3:00:00 PM | 34.21587 | 60.35851 | 26.14264 | 21.58736 | 48.31602 | 14.10015 | 24.54985 | 49.91736 | 15.70149 | 23.64851 | 41.3844 | 7.16853 | 22.64147 | 44.00187 | 9.786 | 56.424 |
| 1/8/2025 | 4:00:00 PM | 34.21587 | 60.36923 | 26.15336 | 21.57664 | 48.32608 | 14.11021 | 24.53979 | 49.92092 | 15.70505 | 23.64495 | 41.39513 | 7.17926 | 22.63074 | 44.02332 | 9.80745 | 56.40255 |
| 1/8/2025 | 5:00:00 PM | 34.22256 | 60.37994 | 26.15738 | 21.57262 | 48.33279 | 14.11023 | 24.53977 | 49.92805 | 15.70549 | 23.64451 | 41.39871 | 7.17615 | 22.63385 | 44.02332 | 9.80076 | 56.40924 |
| 1/8/2025 | 6:00:00 PM | 34.21587 | 60.39065 | 26.17478 | 21.55522 | 48.34285 | 14.12698 | 24.52302 | 49.93875 | 15.72288 | 23.62712 | 41.40586 | 7.18999 | 22.62001 | 44.04119 | 9.82532 | 56.38468 |
| 1/8/2025 | 7:00:00 PM | 34.21252 | 60.38708 | 26.17456 | 21.55544 | 48.34285 | 14.13033 | 24.51967 | 49.93875 | 15.72623 | 23.62377 | 41.40229 | 7.18977 | 22.62023 | 44.03761 | 9.82509 | 56.38491 |
| 1/8/2025 | 8:00:00 PM | 34.20249 | 60.37637 | 26.17388 | 21.55612 | 48.32943 | 14.12694 | 24.52306 | 49.92092 | 15.71843 | 23.63157 | 41.39155 | 7.18906 | 22.62094 | 44.01974 | 9.81725 | 56.39275 |
| 1/8/2025 | 9:00:00 PM | 34.20584 | 60.39065 | 26.18481 | 21.54519 | 48.33614 | 14.1303 | 24.5197 | 49.93162 | 15.72578 | 23.62422 | 41.40586 | 7.20002 | 22.60998 | 44.02689 | 9.82105 | 56.38895 |
| 1/8/2025 | 10:00:00 PM | 34.20584 | 60.39422 | 26.18838 | 21.54162 | 48.34285 | 14.13701 | 24.51299 | 49.93162 | 15.72578 | 23.62422 | 41.40586 | 7.20002 | 22.60998 | 44.03046 | 9.82462 | 56.38538 |
| 1/8/2025 | 11:00:00 PM | 34.20584 | 60.40137 | 26.19553 | 21.53447 | 48.33949 | 14.13365 | 24.51635 | 49.92449 | 15.71865 | 23.63135 | 41.41302 | 7.20718 | 22.60282 | 44.03046 | 9.82462 | 56.38538 |
| 1/9/2025 | 12:00:00 AM | 34.21252 | 60.40137 | 26.18885 | 21.54115 | 48.35626 | 14.14374 | 24.50626 | 49.93518 | 15.72266 | 23.62734 | 41.42018 | 7.20766 | 22.60234 | 44.04833 | 9.83581 | 56.37419 |
| 1/9/2025 | 1:00:00 AM | 34.20584 | 60.39779 | 26.19195 | 21.53805 | 48.33949 | 14.13365 | 24.51635 | 49.92449 | 15.71865 | 23.63135 | 41.41302 | 7.20718 | 22.60282 | 44.03046 | 9.82462 | 56.38538 |
| 1/9/2025 | 2:00:00 AM | 34.20249 | 60.40494 | 26.20245 | 21.52755 | 48.34285 | 14.14036 | 24.50964 | 49.93518 | 15.73269 | 23.61731 | 41.42375 | 7.22126 | 22.58874 | 44.04119 | 9.8387 | 56.3713 |
| 1/9/2025 | 3:00:00 AM | 34.1958 | 60.40494 | 26.20914 | 21.52086 | 48.34285 | 14.14705 | 24.50295 | 49.93162 | 15.73582 | 23.61418 | 41.42375 | 7.22795 | 22.58205 | 44.04476 | 9.84896 | 56.36104 |
| 1/9/2025 | 4:00:00 AM | 34.17908 | 60.38351 | 26.20443 | 21.52557 | 48.31266 | 14.13358 | 24.51642 | 49.89596 | 15.71688 | 23.63312 | 41.39871 | 7.21963 | 22.59037 | 44.01974 | 9.84066 | 56.36934 |
| 1/9/2025 | 5:00:00 AM | 34.1724 | 60.36209 | 26.18969 | 21.54031 | 48.29589 | 14.12349 | 24.52651 | 49.87101 | 15.69861 | 23.65139 | 41.39871 | 7.22631 | 22.58369 | 44.00187 | 9.82947 | 56.38053 |
| 1/9/2025 | 6:00:00 AM | 34.16571 | 60.3728 | 26.20709 | 21.52291 | 48.29589 | 14.13018 | 24.51982 | 49.8817 | 15.71599 | 23.63401 | 41.41302 | 7.24731 | 22.56269 | 44.02332 | 9.85761 | 56.35239 |
| 1/9/2025 | 7:00:00 AM | 34.16571 | 60.36923 | 26.20352 | 21.52648 | 48.28583 | 14.12012 | 24.52988 | 49.86031 | 15.6946 | 23.6554 | 41.40944 | 7.24373 | 22.56627 | 44.00545 | 9.83974 | 56.37026 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/9/2025 | 8:00:00 AM | 34.17574 | 60.39422 | 26.21848 | 21.51152 | 48.30596 | 14.13022 | 24.51978 | 49.8924 | 15.71666 | 23.63334 | 41.43806 | 7.26232 | 22.54768 | 44.03761 | 9.86187 | 56.34813 |
| 1/9/2025 | 9:00:00 AM | 34.14899 | 60.37994 | 26.23095 | 21.49905 | 48.29925 | 14.15026 | 24.49974 | 49.87457 | 15.72558 | 23.62442 | 41.43091 | 7.28192 | 22.52808 | 44.03761 | 9.88862 | 56.32138 |
| 1/9/2025 | 10:00:00 AM | 34.14899 | 60.3728 | 26.22381 | 21.50619 | 48.28583 | 14.13684 | 24.51316 | 49.86031 | 15.71132 | 23.63868 | 41.42375 | 7.27476 | 22.53524 | 44.03046 | 9.88147 | 56.32853 |
| 1/9/2025 | 11:00:00 AM | 34.1423 | 60.32281 | 26.18051 | 21.54949 | 48.23552 | 14.09322 | 24.55678 | 49.81396 | 15.67166 | 23.67834 | 41.3844 | 7.2421 | 22.5679 | 43.98758 | 9.84528 | 56.36472 |
| 1/9/2025 | 12:00:00 PM | 34.14899 | 60.31566 | 26.16667 | 21.56333 | 48.22546 | 14.07647 | 24.57353 | 49.7997 | 15.65071 | 23.69929 | 41.39155 | 7.24256 | 22.56744 | 43.99115 | 9.84216 | 56.36784 |
| 1/9/2025 | 1:00:00 PM | 34.15233 | 60.29781 | 26.14548 | 21.58452 | 48.18522 | 14.03289 | 24.61711 | 49.76048 | 15.60815 | 23.74185 | 41.37724 | 7.22491 | 22.58509 | 43.96256 | 9.81023 | 56.39977 |
| 1/9/2025 | 2:00:00 PM | 34.12892 | 60.27996 | 26.15104 | 21.57896 | 48.15168 | 14.02276 | 24.62724 | 49.73196 | 15.60304 | 23.74696 | 41.36651 | 7.23759 | 22.57241 | 43.95541 | 9.82649 | 56.38351 |
| 1/9/2025 | 3:00:00 PM | 34.10217 | 60.25496 | 26.15279 | 21.57721 | 48.1282 | 14.02603 | 24.62397 | 49.70344 | 15.60127 | 23.74873 | 41.3522 | 7.25003 | 22.55997 | 43.94469 | 9.84252 | 56.36748 |
| 1/9/2025 | 4:00:00 PM | 34.07876 | 60.24782 | 26.16906 | 21.56094 | 48.09801 | 14.01925 | 24.63075 | 49.68918 | 15.61042 | 23.73958 | 41.35935 | 7.28059 | 22.52941 | 43.94826 | 9.8695 | 56.3405 |
| 1/9/2025 | 5:00:00 PM | 34.06873 | 60.24425 | 26.17552 | 21.55448 | 48.09466 | 14.02593 | 24.62407 | 49.67492 | 15.60619 | 23.74381 | 41.36651 | 7.29778 | 22.51222 | 43.95541 | 9.88668 | 56.32332 |
| 1/9/2025 | 6:00:00 PM | 34.04867 | 60.22996 | 26.18129 | 21.54871 | 48.07118 | 14.02251 | 24.62749 | 49.66066 | 15.61199 | 23.73801 | 41.35578 | 7.30711 | 22.50289 | 43.95184 | 9.90317 | 56.30683 |
| 1/9/2025 | 7:00:00 PM | 34.03195 | 60.21925 | 26.1873 | 21.5427 | 48.05777 | 14.02582 | 24.62418 | 49.6464 | 15.61445 | 23.73555 | 41.3522 | 7.32025 | 22.48975 | 43.95184 | 9.91989 | 56.29011 |
| 1/9/2025 | 8:00:00 PM | 34.0286 | 60.20497 | 26.17637 | 21.55363 | 48.041 | 14.0124 | 24.6376 | 49.625 | 15.5964 | 23.7536 | 41.34504 | 7.31644 | 22.49356 | 43.95899 | 9.93039 | 56.27961 |
| 1/9/2025 | 9:00:00 PM | 33.99851 | 60.19068 | 26.19217 | 21.53783 | 48.02088 | 14.02237 | 24.62763 | 49.60005 | 15.60154 | 23.74846 | 41.33073 | 7.33222 | 22.47778 | 43.93754 | 9.93903 | 56.27097 |
| 1/9/2025 | 10:00:00 PM | 33.96507 | 60.15855 | 26.19348 | 21.53652 | 47.97727 | 14.0122 | 24.6378 | 49.56083 | 15.59576 | 23.75424 | 41.30926 | 7.34419 | 22.46581 | 43.91967 | 9.9546 | 56.2554 |
| 1/9/2025 | 11:00:00 PM | 33.91825 | 60.1157 | 26.19745 | 21.53255 | 47.93367 | 14.01542 | 24.63458 | 49.51805 | 15.5998 | 23.7502 | 41.2878 | 7.36955 | 22.44045 | 43.9018 | 9.98355 | 56.22645 |
| 1/10/2025 | 12:00:00 AM | 33.90488 | 60.10855 | 26.20367 | 21.52633 | 47.91355 | 14.00867 | 24.64133 | 49.49665 | 15.59177 | 23.75823 | 41.2878 | 7.38292 | 22.42708 | 43.9018 | 9.99692 | 56.21308 |
| 1/10/2025 | 1:00:00 AM | 33.8915 | 60.10855 | 26.21705 | 21.51295 | 47.90684 | 14.01534 | 24.63466 | 49.48952 | 15.59802 | 23.75198 | 41.29495 | 7.40345 | 22.40655 | 43.90895 | 10.01745 | 56.19255 |
| 1/10/2025 | 2:00:00 AM | 33.88147 | 60.08356 | 26.20209 | 21.52791 | 47.8733 | 13.99183 | 24.65817 | 49.461 | 15.57953 | 23.77047 | 41.27349 | 7.39202 | 22.41798 | 43.90895 | 10.02748 | 56.18252 |
| 1/10/2025 | 3:00:00 AM | 33.87812 | 60.09784 | 26.21972 | 21.51028 | 47.88337 | 14.00525 | 24.64475 | 49.46813 | 15.59001 | 23.75999 | 41.28422 | 7.4061 | 22.4039 | 43.92325 | 10.04513 | 56.16487 |
| 1/10/2025 | 4:00:00 AM | 33.90153 | 60.12641 | 26.22488 | 21.50512 | 47.9169 | 14.01537 | 24.63463 | 49.50735 | 15.60582 | 23.74418 | 41.32715 | 7.42562 | 22.38438 | 43.99473 | 10.0932 | 56.1168 |
| 1/10/2025 | 5:00:00 AM | 33.89484 | 60.08356 | 26.18872 | 21.54128 | 47.87666 | 13.98182 | 24.66818 | 49.461 | 15.56616 | 23.78384 | 41.26991 | 7.37507 | 22.43493 | 43.94469 | 10.04985 | 56.16015 |
| 1/10/2025 | 6:00:00 AM | 33.88816 | 60.10498 | 26.21682 | 21.51318 | 47.89678 | 14.00862 | 24.64138 | 49.47883 | 15.59067 | 23.75933 | 41.2878 | 7.39964 | 22.41036 | 43.97328 | 10.08512 | 56.12488 |
| 1/10/2025 | 7:00:00 AM | 33.90822 | 60.13355 | 26.22533 | 21.50467 | 47.92697 | 14.01875 | 24.63125 | 49.52161 | 15.61339 | 23.73661 | 41.29853 | 7.39031 | 22.41969 | 44.00902 | 10.1008 | 56.1092 |
| 1/10/2025 | 8:00:00 AM | 33.89484 | 60.10498 | 26.21014 | 21.51986 | 47.90349 | 14.00865 | 24.64135 | 49.48952 | 15.59468 | 23.75532 | 41.27706 | 7.38222 | 22.42778 | 43.984 | 10.08916 | 56.12084 |
| 1/10/2025 | 9:00:00 AM | 33.91156 | 60.12641 | 26.21485 | 21.51515 | 47.93032 | 14.01876 | 24.63124 | 49.51092 | 15.59936 | 23.75064 | 41.28064 | 7.36908 | 22.44092 | 44.00545 | 10.09389 | 56.11611 |
| 1/10/2025 | 10:00:00 AM | 33.9216 | 60.14426 | 26.22266 | 21.50734 | 47.9538 | 14.0322 | 24.6178 | 49.52874 | 15.60714 | 23.74286 | 41.29137 | 7.36977 | 22.44023 | 44.02332 | 10.10172 | 56.10828 |
| 1/10/2025 | 11:00:00 AM | 33.92494 | 60.14783 | 26.22289 | 21.50711 | 47.96721 | 14.04227 | 24.60773 | 49.53944 | 15.6145 | 23.7355 | 41.27706 | 7.35212 | 22.45788 | 44.02689 | 10.10195 | 56.10805 |
| 1/10/2025 | 12:00:00 PM | 33.93163 | 60.14426 | 26.21263 | 21.51737 | 47.98398 | 14.05235 | 24.59765 | 49.54657 | 15.61494 | 23.73506 | 41.27349 | 7.34186 | 22.46814 | 44.02689 | 10.09526 | 56.11474 |
| 1/10/2025 | 1:00:00 PM | 33.94166 | 60.1514 | 26.20974 | 21.52026 | 47.99404 | 14.05238 | 24.59762 | 49.5537 | 15.61204 | 23.73796 | 41.26275 | 7.32109 | 22.48891 | 44.03046 | 10.0888 | 56.1212 |
| 1/10/2025 | 2:00:00 PM | 33.94835 | 60.15855 | 26.2102 | 21.5198 | 48.01081 | 14.06246 | 24.58754 | 49.56439 | 15.61604 | 23.73396 | 41.26991 | 7.32156 | 22.48844 | 44.02332 | 10.07497 | 56.13503 |
| 1/10/2025 | 3:00:00 PM | 33.95838 | 60.18354 | 26.22516 | 21.50484 | 48.041 | 14.08262 | 24.56738 | 49.58935 | 15.63097 | 23.71903 | 41.29137 | 7.33299 | 22.47701 | 44.05191 | 10.09353 | 56.11647 |
| 1/10/2025 | 4:00:00 PM | 33.9751 | 60.2014 | 26.2263 | 21.5037 | 48.06448 | 14.08938 | 24.56062 | 49.625 | 15.6499 | 23.7001 | 41.30211 | 7.32701 | 22.48299 | 44.07335 | 10.09825 | 56.11175 |
| 1/10/2025 | 5:00:00 PM | 33.99182 | 60.22996 | 26.23814 | 21.49186 | 48.10808 | 14.11626 | 24.53374 | 49.64996 | 15.65814 | 23.69186 | 41.31642 | 7.3246 | 22.4854 | 44.09122 | 10.0994 | 56.1106 |
| 1/10/2025 | 6:00:00 PM | 34.0052 | 60.24782 | 26.24262 | 21.48738 | 48.13491 | 14.12971 | 24.52029 | 49.69274 | 15.68754 | 23.66246 | 41.32 | 7.3148 | 22.4952 | 44.09837 | 10.09317 | 56.11683 |
| 1/10/2025 | 7:00:00 PM | 34.00854 | 60.24782 | 26.23928 | 21.49072 | 48.15503 | 14.14649 | 24.50351 | 49.69987 | 15.69133 | 23.65867 | 41.31284 | 7.3043 | 22.5057 | 44.10552 | 10.09698 | 56.11302 |
| 1/10/2025 | 8:00:00 PM | 34.01523 | 60.25853 | 26.2433 | 21.4867 | 48.18522 | 14.16999 | 24.48001 | 49.7177 | 15.70247 | 23.64753 | 41.32 | 7.30477 | 22.50523 | 44.09837 | 10.08314 | 56.12686 |
| 1/10/2025 | 9:00:00 PM | 34.03195 | 60.29781 | 26.26586 | 21.46414 | 48.21205 | 14.1801 | 24.4699 | 49.74622 | 15.71427 | 23.63573 | 41.33073 | 7.29878 | 22.51122 | 44.11624 | 10.08429 | 56.12571 |
| 1/10/2025 | 10:00:00 PM | 34.03864 | 60.30138 | 26.26274 | 21.46726 | 48.22882 | 14.19018 | 24.45982 | 49.76761 | 15.72897 | 23.62103 | 41.33073 | 7.29209 | 22.51791 | 44.11266 | 10.07402 | 56.13598 |
| 1/10/2025 | 11:00:00 PM | 34.04198 | 60.29424 | 26.25226 | 21.47774 | 48.24894 | 14.20696 | 24.44304 | 49.77831 | 15.73633 | 23.61367 | 41.33431 | 7.29233 | 22.51767 | 44.10194 | 10.05996 | 56.15004 |
| 1/11/2025 | 12:00:00 AM | 34.03864 | 60.30495 | 26.26631 | 21.46369 | 48.26235 | 14.22371 | 24.42629 | 49.78901 | 15.75037 | 23.59963 | 41.32357 | 7.28493 | 22.52507 | 44.10194 | 10.0633 | 56.1467 |
| 1/11/2025 | 1:00:00 AM | 34.04198 | 60.30852 | 26.26654 | 21.46346 | 48.26571 | 14.22373 | 24.42627 | 49.80327 | 15.76129 | 23.58871 | 41.32715 | 7.28517 | 22.52483 | 44.09122 | 10.04924 | 56.16076 |
| 1/11/2025 | 2:00:00 AM | 34.05536 | 60.32638 | 26.27102 | 21.45898 | 48.28248 | 14.22712 | 24.42288 | 49.81753 | 15.76217 | 23.58783 | 41.33431 | 7.27895 | 22.53105 | 44.09479 | 10.03943 | 56.17057 |
| 1/11/2025 | 3:00:00 AM | 34.07208 | 60.32995 | 26.25787 | 21.47213 | 48.30596 | 14.23388 | 24.41612 | 49.83179 | 15.75971 | 23.59029 | 41.34862 | 7.27654 | 22.53346 | 44.10552 | 10.03344 | 56.17656 |
| 1/11/2025 | 4:00:00 AM | 34.08211 | 60.32995 | 26.24784 | 21.48216 | 48.3026 | 14.22049 | 24.42951 | 49.83892 | 15.75681 | 23.59319 | 41.34504 | 7.26293 | 22.54707 | 44.09479 | 10.01268 | 56.19732 |
| 1/11/2025 | 5:00:00 AM | 34.0888 | 60.33709 | 26.24829 | 21.48171 | 48.30931 | 14.22051 | 24.42949 | 49.84605 | 15.75725 | 23.59275 | 41.34504 | 7.25624 | 22.55376 | 44.08765 | 9.99885 | 56.21115 |
| 1/11/2025 | 6:00:00 AM | 34.09883 | 60.35851 | 26.25968 | 21.47032 | 48.33279 | 14.23396 | 24.41604 | 49.86744 | 15.76861 | 23.58139 | 41.36293 | 7.2641 | 22.5459 | 44.10194 | 10.00311 | 56.20689 |
| 1/11/2025 | 7:00:00 AM | 34.12224 | 60.3728 | 26.25056 | 21.47944 | 48.34956 | 14.22732 | 24.42268 | 49.88883 | 15.76659 | 23.58341 | 41.37724 | 7.255 | 22.555 | 44.11624 | 9.994 | 56.216 |
| 1/11/2025 | 8:00:00 AM | 34.11889 | 60.3728 | 26.25391 | 21.47609 | 48.34956 | 14.23067 | 24.41933 | 49.89596 | 15.77707 | 23.57293 | 41.37009 | 7.2512 | 22.5588 | 44.09837 | 9.97948 | 56.23052 |
| 1/11/2025 | 9:00:00 AM | 34.1423 | 60.40137 | 26.25907 | 21.47093 | 48.37303 | 14.23073 | 24.41927 | 49.92092 | 15.77862 | 23.57138 | 41.39513 | 7.25283 | 22.55717 | 44.11981 | 9.97751 | 56.23249 |
| 1/11/2025 | 10:00:00 AM | 34.16236 | 60.40851 | 26.24615 | 21.48385 | 48.39651 | 14.23415 | 24.41585 | 49.94231 | 15.77995 | 23.57005 | 41.39513 | 7.23277 | 22.57723 | 44.12696 | 9.9646 | 56.2454 |
| 1/11/2025 | 11:00:00 AM | 34.16905 | 60.40494 | 26.23589 | 21.49411 | 48.39651 | 14.22746 | 24.42254 | 49.93875 | 15.7697 | 23.5803 | 41.39155 | 7.2225 | 22.5875 | 44.11266 | 9.94361 | 56.26639 |
| 1/11/2025 | 12:00:00 PM | 34.1724 | 60.40494 | 26.23254 | 21.49746 | 48.3898 | 14.2174 | 24.4326 | 49.93162 | 15.75922 | 23.59078 | 41.39513 | 7.22273 | 22.58727 | 44.10194 | 9.92954 | 56.28046 |
| 1/11/2025 | 1:00:00 PM | 34.16905 | 60.39779 | 26.22874 | 21.50126 | 48.38645 | 14.2174 | 24.4326 | 49.93162 | 15.76257 | 23.58743 | 41.3844 | 7.21535 | 22.59465 | 44.09479 | 9.92574 | 56.28426 |
| 1/11/2025 | 2:00:00 PM | 34.16571 | 60.39422 | 26.22851 | 21.50149 | 48.38309 | 14.21738 | 24.43262 | 49.92805 | 15.76234 | 23.58766 | 41.39513 | 7.22942 | 22.58058 | 44.09122 | 9.92551 | 56.28449 |
| 1/11/2025 | 3:00:00 PM | 34.16905 | 60.40851 | 26.23946 | 21.49054 | 48.39316 | 14.22411 | 24.42589 | 49.93162 | 15.76257 | 23.58743 | 41.40586 | 7.23681 | 22.57319 | 44.08765 | 9.9186 | 56.2914 |
| 1/11/2025 | 4:00:00 PM | 34.16571 | 60.41208 | 26.24637 | 21.48363 | 48.39651 | 14.2308 | 24.4192 | 49.93518 | 15.76947 | 23.58053 | 41.40944 | 7.24373 | 22.56627 | 44.09479 | 9.92908 | 56.28092 |
| 1/11/2025 | 5:00:00 PM | 34.19246 | 60.4335 | 26.24104 | 21.48896 | 48.41999 | 14.22753 | 24.42247 | 49.96014 | 15.76768 | 23.58232 | 41.43449 | 7.24203 | 22.56797 | 44.11266 | 9.9202 | 56.2898 |
| 1/11/2025 | 6:00:00 PM | 34.18243 | 60.40494 | 26.22251 | 21.50749 | 48.39316 | 14.21073 | 24.43927 | 49.93518 | 15.75275 | 23.59725 | 41.40586 | 7.22343 | 22.58657 | 44.08407 | 9.90164 | 56.30836 |
| 1/11/2025 | 7:00:00 PM | 34.16905 | 60.40494 | 26.23589 | 21.49411 | 48.39651 | 14.22746 | 24.42254 | 49.94231 | 15.77326 | 23.57674 | 41.42733 | 7.25828 | 22.55172 | 44.0805 | 9.91145 | 56.29855 |
| 1/11/2025 | 8:00:00 PM | 34.1724 | 60.41922 | 26.24682 | 21.48318 | 48.40322 | 14.23082 | 24.41918 | 49.94588 | 15.77348 | 23.57652 | 41.42733 | 7.25493 | 22.55507 | 44.09122 | 9.91882 | 56.29118 |
| 1/11/2025 | 9:00:00 PM | 34.16236 | 60.41208 | 26.24972 | 21.48028 | 48.40322 | 14.24086 | 24.40914 | 49.94944 | 15.78708 | 23.56292 | 41.43091 | 7.26855 | 22.54145 | 44.08407 | 9.92171 | 56.28829 |
| 1/11/2025 | 10:00:00 PM | 34.15902 | 60.40137 | 26.24235 | 21.48765 | 48.3898 | 14.23078 | 24.41922 | 49.93518 | 15.77616 | 23.57384 | 41.42733 | 7.26831 | 22.54169 | 44.0805 | 9.92148 | 56.28852 |
| 1/11/2025 | 11:00:00 PM | 34.16905 | 60.41208 | 26.24303 | 21.48697 | 48.39316 | 14.22411 | 24.42589 | 49.94231 | 15.77326 | 23.57674 | 41.43449 | 7.26544 | 22.54456 | 44.0805 | 9.91145 | 56.29855 |
| 1/12/2025 | 12:00:00 AM | 34.15568 | 60.41208 | 26.2564 | 21.4736 | 48.38309 | 14.22741 | 24.42259 | 49.94231 | 15.78663 | 23.56337 | 41.43806 | 7.28238 | 22.52762 | 44.08765 | 9.93197 | 56.27803 |
| 1/12/2025 | 1:00:00 AM | 34.15568 | 60.40137 | 26.24569 | 21.48431 | 48.36968 | 14.214 | 24.436 | 49.92092 | 15.76524 | 23.58476 | 41.42733 | 7.27165 | 22.53835 | 44.06978 | 9.9141 | 56.2959 |
| 1/12/2025 | 2:00:00 AM | 34.15568 | 60.41565 | 26.25997 | 21.47003 | 48.37639 | 14.22071 | 24.42929 | 49.93162 | 15.77594 | 23.57406 | 41.44164 | 7.28596 | 22.52404 | 44.08407 | 9.92839 | 56.28161 |
| 1/12/2025 | 3:00:00 AM | 34.16236 | 60.41208 | 26.24972 | 21.48028 | 48.36632 | 14.20396 | 24.44604 | 49.92449 | 15.76213 | 23.58787 | 41.43806 | 7.2757 | 22.5343 | 44.0805 | 9.91814 | 56.29186 |
| 1/12/2025 | 4:00:00 AM | 34.15568 | 60.40851 | 26.25283 | 21.47717 | 48.36297 | 14.20729 | 24.44271 | 49.91736 | 15.76168 | 23.58832 | 41.43806 | 7.28238 | 22.52762 | 44.07335 | 9.91767 | 56.29233 |
| 1/12/2025 | 5:00:00 AM | 34.14564 | 60.38708 | 26.24144 | 21.48856 | 48.34285 | 14.19721 | 24.45279 | 49.90666 | 15.76102 | 23.58898 | 41.43806 | 7.29242 | 22.51758 | 44.06263 | 9.91699 | 56.29301 |
| 1/12/2025 | 6:00:00 AM | 34.1423 | 60.39779 | 26.25549 | 21.47451 | 48.33614 | 14.19384 | 24.45616 | 49.9031 | 15.7608 | 23.5892 | 41.43449 | 7.29219 | 22.51781 | 44.06263 | 9.92033 | 56.28967 |
| 1/12/2025 | 7:00:00 AM | 34.11889 | 60.39422 | 26.27533 | 21.45467 | 48.3462 | 14.22731 | 24.42269 | 49.90666 | 15.78777 | 23.56223 | 41.44164 | 7.32275 | 22.48725 | 44.06978 | 9.95089 | 56.25911 |
| 1/12/2025 | 8:00:00 AM | 34.12224 | 60.39779 | 26.27555 | 21.45445 | 48.33614 | 14.2139 | 24.4361 | 49.91023 | 15.78799 | 23.56201 | 41.4488 | 7.32656 | 22.48344 | 44.0805 | 9.95826 | 56.25174 |
| 1/12/2025 | 9:00:00 AM | 34.12558 | 60.40851 | 26.28293 | 21.44707 | 48.34285 | 14.21727 | 24.43273 | 49.90666 | 15.78108 | 23.56892 | 41.45595 | 7.33037 | 22.47963 | 44.08765 | 9.96207 | 56.24793 |
| 1/12/2025 | 10:00:00 AM | 34.13227 | 60.42279 | 26.29052 | 21.43948 | 48.35291 | 14.22064 | 24.42936 | 49.92805 | 15.79578 | 23.55422 | 41.46669 | 7.33442 | 22.47558 | 44.10552 | 9.97325 | 56.23675 |
| 1/12/2025 | 11:00:00 AM | 34.13561 | 60.41565 | 26.28004 | 21.44996 | 48.35962 | 14.22401 | 24.42599 | 49.93162 | 15.79601 | 23.55399 | 41.46311 | 7.3275 | 22.4825 | 44.11266 | 9.97705 | 56.23295 |
| 1/12/2025 | 12:00:00 PM | 34.1423 | 60.40494 | 26.26264 | 21.46736 | 48.3462 | 14.2039 | 24.4461 | 49.92449 | 15.78219 | 23.56781 | 41.45953 | 7.31723 | 22.49277 | 44.09837 | 9.95607 | 56.25393 |
| 1/12/2025 | 1:00:00 PM | 34.1423 | 60.40851 | 26.26621 | 21.46379 | 48.3462 | 14.2039 | 24.4461 | 49.91736 | 15.77506 | 23.57494 | 41.45238 | 7.31008 | 22.49992 | 44.09122 | 9.94892 | 56.26108 |
| 1/12/2025 | 2:00:00 PM | 34.1423 | 60.39779 | 26.25549 | 21.47451 | 48.32272 | 14.18042 | 24.46958 | 49.9031 | 15.7608 | 23.5892 | 41.44522 | 7.30292 | 22.50708 | 44.07692 | 9.93462 | 56.27538 |
| 1/12/2025 | 3:00:00 PM | 34.15233 | 60.41922 | 26.26689 | 21.46311 | 48.35626 | 14.20393 | 24.44607 | 49.92805 | 15.77572 | 23.57428 | 41.47026 | 7.31793 | 22.49207 | 44.11266 | 9.96033 | 56.24967 |
| 1/12/2025 | 4:00:00 PM | 34.15902 | 60.45136 | 26.29234 | 21.43766 | 48.38309 | 14.22407 | 24.42593 | 49.95301 | 15.79399 | 23.55601 | 41.49173 | 7.33271 | 22.47729 | 44.14126 | 9.98224 | 56.22776 |
| 1/12/2025 | 5:00:00 PM | 34.16236 | 60.44064 | 26.27828 | 21.45172 | 48.37974 | 14.21738 | 24.43262 | 49.95301 | 15.79065 | 23.55935 | 41.47742 | 7.31506 | 22.49494 | 44.12696 | 9.9646 | 56.2454 |
| 1/12/2025 | 6:00:00 PM | 34.16236 | 60.44064 | 26.27828 | 21.45172 | 48.37974 | 14.21738 | 24.43262 | 49.96014 | 15.79778 | 23.55222 | 41.48458 | 7.32222 | 22.48778 | 44.12339 | 9.96103 | 56.24897 |
| 1/12/2025 | 7:00:00 PM | 34.1724 | 60.43707 | 26.26467 | 21.46533 | 48.38309 | 14.21069 | 24.43931 | 49.96014 | 15.78774 | 23.56226 | 41.49173 | 7.31933 | 22.49067 | 44.13053 | 9.95813 | 56.25187 |
| 1/12/2025 | 8:00:00 PM | 34.16571 | 60.44064 | 26.27493 | 21.45507 | 48.38645 | 14.22074 | 24.42926 | 49.95301 | 15.7873 | 23.5627 | 41.47742 | 7.31171 | 22.49829 | 44.13053 | 9.96482 | 56.24518 |
| 1/12/2025 | 9:00:00 PM | 34.17908 | 60.45136 | 26.27228 | 21.45772 | 48.3898 | 14.21072 | 24.43928 | 49.9744 | 15.79532 | 23.55468 | 41.50246 | 7.32338 | 22.48662 | 44.13411 | 9.95503 | 56.25497 |
| 1/12/2025 | 10:00:00 PM | 34.18912 | 60.45493 | 26.26581 | 21.46419 | 48.39986 | 14.21074 | 24.43926 | 49.96727 | 15.77815 | 23.57185 | 41.50604 | 7.31692 | 22.49308 | 44.13053 | 9.94141 | 56.26859 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/12/2025 | 11:00:00 PM | 34.21921 | 60.47635 | 26.25714 | 21.47286 | 48.42334 | 14.20413 | 24.44587 | 49.98866 | 15.76945 | 23.58055 | 41.51678 | 7.29757 | 22.51243 | 44.15555 | 9.93634 | 56.27366 |
| 1/13/2025 | 12:00:00 AM | 34.20918 | 60.44422 | 26.23504 | 21.49496 | 48.3898 | 14.18062 | 24.46938 | 49.95657 | 15.74739 | 23.60261 | 41.49173 | 7.28255 | 22.52745 | 44.11624 | 9.90706 | 56.30294 |
| 1/13/2025 | 1:00:00 AM | 34.23593 | 60.50849 | 26.27256 | 21.45744 | 48.44682 | 14.21089 | 24.43911 | 50.01005 | 15.77412 | 23.57588 | 41.53466 | 7.29873 | 22.51127 | 44.17342 | 9.93749 | 56.27251 |
| 1/13/2025 | 2:00:00 AM | 34.25934 | 60.50492 | 26.24558 | 21.48442 | 48.46694 | 14.2076 | 24.4424 | 50.02431 | 15.76497 | 23.58503 | 41.53466 | 7.27532 | 22.53468 | 44.17699 | 9.91765 | 56.29235 |
| 1/13/2025 | 3:00:00 AM | 34.24931 | 60.50135 | 26.25204 | 21.47796 | 48.45017 | 14.20086 | 24.44914 | 50.02075 | 15.77144 | 23.57856 | 41.52035 | 7.27104 | 22.53896 | 44.15912 | 9.90981 | 56.30019 |
| 1/13/2025 | 4:00:00 AM | 34.24262 | 60.48707 | 26.24445 | 21.48555 | 48.43005 | 14.18743 | 24.46257 | 49.98866 | 15.74604 | 23.60396 | 41.50962 | 7.267 | 22.543 | 44.13411 | 9.89149 | 56.31851 |
| 1/13/2025 | 5:00:00 AM | 34.23593 | 60.46921 | 26.23328 | 21.49672 | 48.42669 | 14.19076 | 24.45924 | 49.98153 | 15.7456 | 23.6044 | 41.50962 | 7.27369 | 22.53631 | 44.13053 | 9.8946 | 56.3154 |
| 1/13/2025 | 6:00:00 AM | 34.23928 | 60.47635 | 26.23707 | 21.49293 | 48.41999 | 14.18071 | 24.46929 | 49.97797 | 15.73869 | 23.61131 | 41.52393 | 7.28465 | 22.52535 | 44.13411 | 9.89483 | 56.31517 |
| 1/13/2025 | 7:00:00 AM | 34.22924 | 60.47635 | 26.24711 | 21.48289 | 48.41663 | 14.18739 | 24.46261 | 49.9744 | 15.74516 | 23.60484 | 41.51678 | 7.28754 | 22.52246 | 44.13411 | 9.90487 | 56.30513 |
| 1/13/2025 | 8:00:00 AM | 34.22924 | 60.47278 | 26.24354 | 21.48646 | 48.40993 | 14.18069 | 24.46931 | 49.97084 | 15.7416 | 23.6084 | 41.52751 | 7.29827 | 22.51173 | 44.13411 | 9.90487 | 56.30513 |
| 1/13/2025 | 9:00:00 AM | 34.23259 | 60.49421 | 26.26162 | 21.46838 | 48.43005 | 14.19746 | 24.45254 | 49.99223 | 15.75964 | 23.59036 | 41.5454 | 7.31281 | 22.49719 | 44.15555 | 9.92296 | 56.28704 |
| 1/13/2025 | 10:00:00 AM | 34.23928 | 60.50492 | 26.26564 | 21.46436 | 48.4334 | 14.19412 | 24.45588 | 50.00292 | 15.76364 | 23.58636 | 41.55255 | 7.31327 | 22.49673 | 44.16627 | 9.92699 | 56.28301 |
| 1/13/2025 | 11:00:00 AM | 34.24931 | 60.48707 | 26.23776 | 21.49224 | 48.42669 | 14.17738 | 24.47262 | 49.9851 | 15.73579 | 23.61421 | 41.52751 | 7.2782 | 22.5318 | 44.1484 | 9.89909 | 56.31091 |
| 1/13/2025 | 12:00:00 PM | 34.26937 | 60.47992 | 26.21055 | 21.51945 | 48.40322 | 14.13385 | 24.51615 | 49.96727 | 15.6979 | 23.6521 | 41.53109 | 7.26172 | 22.54828 | 44.13053 | 9.86116 | 56.34884 |
| 1/13/2025 | 1:00:00 PM | 34.25265 | 60.46207 | 26.20942 | 21.52058 | 48.3898 | 14.13715 | 24.51285 | 49.95657 | 15.70392 | 23.64608 | 41.52751 | 7.27486 | 22.53514 | 44.13053 | 9.87788 | 56.33212 |
| 1/13/2025 | 2:00:00 PM | 34.26269 | 60.47278 | 26.21009 | 21.51991 | 48.38645 | 14.12376 | 24.52624 | 49.94588 | 15.68319 | 23.66681 | 41.53466 | 7.27197 | 22.53803 | 44.12696 | 9.86427 | 56.34573 |
| 1/13/2025 | 3:00:00 PM | 34.26269 | 60.47992 | 26.21723 | 21.51277 | 48.39986 | 14.13717 | 24.51283 | 49.96014 | 15.69745 | 23.65255 | 41.55255 | 7.28986 | 22.52014 | 44.1484 | 9.88571 | 56.32429 |
| 1/13/2025 | 4:00:00 PM | 34.256 | 60.49064 | 26.23464 | 21.49536 | 48.39986 | 14.14386 | 24.50614 | 49.96014 | 15.70414 | 23.64586 | 41.5454 | 7.2894 | 22.5206 | 44.15555 | 9.89955 | 56.31045 |
| 1/13/2025 | 5:00:00 PM | 34.25265 | 60.49064 | 26.23799 | 21.49201 | 48.39986 | 14.14721 | 24.50279 | 49.9637 | 15.71105 | 23.63895 | 41.54898 | 7.29633 | 22.51367 | 44.15555 | 9.9029 | 56.3071 |
| 1/13/2025 | 6:00:00 PM | 34.256 | 60.49778 | 26.24178 | 21.48822 | 48.41328 | 14.15728 | 24.49272 | 49.96727 | 15.71127 | 23.63873 | 41.55971 | 7.30371 | 22.50629 | 44.1627 | 9.9067 | 56.3033 |
| 1/13/2025 | 7:00:00 PM | 34.24262 | 60.47635 | 26.23373 | 21.49627 | 48.39651 | 14.15389 | 24.49611 | 49.95301 | 15.71039 | 23.63961 | 41.54182 | 7.2992 | 22.5108 | 44.1484 | 9.90578 | 56.30422 |
| 1/13/2025 | 8:00:00 PM | 34.23593 | 60.47278 | 26.23685 | 21.49315 | 48.38645 | 14.15052 | 24.49948 | 49.94231 | 15.70638 | 23.64362 | 41.53824 | 7.30231 | 22.50769 | 44.13768 | 9.90175 | 56.30825 |
| 1/13/2025 | 9:00:00 PM | 34.23259 | 60.47635 | 26.24376 | 21.48624 | 48.38645 | 14.15386 | 24.49614 | 49.94231 | 15.70972 | 23.64028 | 41.55255 | 7.31996 | 22.49004 | 44.14483 | 9.91224 | 56.29776 |
| 1/13/2025 | 10:00:00 PM | 34.2259 | 60.47278 | 26.24688 | 21.48312 | 48.38309 | 14.15719 | 24.49281 | 49.92805 | 15.70215 | 23.64785 | 41.5454 | 7.3195 | 22.4905 | 44.1484 | 9.9225 | 56.2875 |
| 1/13/2025 | 11:00:00 PM | 34.22924 | 60.47992 | 26.25068 | 21.47932 | 48.3898 | 14.16056 | 24.48944 | 49.93162 | 15.70238 | 23.64762 | 41.55613 | 7.32689 | 22.48311 | 44.15912 | 9.92988 | 56.28012 |
| 1/14/2025 | 12:00:00 AM | 34.2259 | 60.48707 | 26.26117 | 21.46883 | 48.3898 | 14.1639 | 24.4861 | 49.93875 | 15.71285 | 23.63715 | 41.56329 | 7.33739 | 22.47261 | 44.1627 | 9.9368 | 56.2732 |
| 1/14/2025 | 1:00:00 AM | 34.2259 | 60.4835 | 26.2576 | 21.4724 | 48.39651 | 14.17061 | 24.47939 | 49.94231 | 15.71641 | 23.63359 | 41.55971 | 7.33381 | 22.47619 | 44.15912 | 9.93322 | 56.27678 |
| 1/14/2025 | 2:00:00 AM | 34.2259 | 60.47635 | 26.25045 | 21.47955 | 48.38645 | 14.16055 | 24.48945 | 49.93162 | 15.70572 | 23.64428 | 41.55971 | 7.33381 | 22.47619 | 44.15555 | 9.92965 | 56.28035 |
| 1/14/2025 | 3:00:00 AM | 34.22924 | 60.4835 | 26.25426 | 21.47574 | 48.39986 | 14.17062 | 24.47938 | 49.94231 | 15.71307 | 23.63693 | 41.55971 | 7.33047 | 22.47953 | 44.1627 | 9.93346 | 56.27654 |
| 1/14/2025 | 4:00:00 AM | 34.22924 | 60.48707 | 26.25783 | 21.47217 | 48.39651 | 14.16727 | 24.48273 | 49.93875 | 15.70951 | 23.64049 | 41.56329 | 7.33405 | 22.47595 | 44.16985 | 9.94061 | 56.26939 |
| 1/14/2025 | 5:00:00 AM | 34.2259 | 60.4835 | 26.2576 | 21.4724 | 48.39651 | 14.17061 | 24.47939 | 49.93518 | 15.70928 | 23.64072 | 41.56329 | 7.33739 | 22.47261 | 44.17342 | 9.94752 | 56.26248 |
| 1/14/2025 | 6:00:00 AM | 34.22256 | 60.49064 | 26.26808 | 21.46192 | 48.39651 | 14.17395 | 24.47605 | 49.93875 | 15.71619 | 23.63381 | 41.56687 | 7.34431 | 22.46569 | 44.15912 | 9.93656 | 56.27344 |
| 1/14/2025 | 7:00:00 AM | 34.21252 | 60.47635 | 26.26383 | 21.46617 | 48.3898 | 14.17728 | 24.47272 | 49.92805 | 15.71553 | 23.63447 | 41.55255 | 7.34003 | 22.46997 | 44.16627 | 9.95375 | 56.25625 |
| 1/14/2025 | 8:00:00 AM | 34.20918 | 60.47635 | 26.26717 | 21.46283 | 48.37303 | 14.16385 | 24.48615 | 49.91023 | 15.70105 | 23.64895 | 41.54898 | 7.3398 | 22.4702 | 44.15912 | 9.94994 | 56.26006 |
| 1/14/2025 | 9:00:00 AM | 34.2259 | 60.50849 | 26.28259 | 21.44741 | 48.40657 | 14.18067 | 24.46933 | 49.94944 | 15.72354 | 23.62646 | 41.58833 | 7.36243 | 22.44757 | 44.19129 | 9.96539 | 56.24461 |
| 1/14/2025 | 10:00:00 AM | 34.22256 | 60.48707 | 26.26451 | 21.46549 | 48.39986 | 14.1773 | 24.4727 | 49.93162 | 15.70906 | 23.64094 | 41.56329 | 7.34073 | 22.46927 | 44.18057 | 9.95801 | 56.25199 |
| 1/14/2025 | 11:00:00 AM | 34.22256 | 60.47278 | 26.25022 | 21.47978 | 48.37974 | 14.15718 | 24.49282 | 49.91023 | 15.68767 | 23.66233 | 41.55613 | 7.33357 | 22.47643 | 44.15198 | 9.92942 | 56.28058 |
| 1/14/2025 | 12:00:00 PM | 34.23928 | 60.47635 | 26.23707 | 21.49293 | 48.36968 | 14.1304 | 24.5196 | 49.91736 | 15.67808 | 23.67192 | 41.55971 | 7.32043 | 22.48957 | 44.1627 | 9.92342 | 56.28658 |
| 1/14/2025 | 1:00:00 PM | 34.26269 | 60.46207 | 26.19938 | 21.53062 | 48.35962 | 14.09693 | 24.55307 | 49.89596 | 15.63327 | 23.71673 | 41.55613 | 7.29344 | 22.51656 | 44.15555 | 9.89286 | 56.31714 |
| 1/14/2025 | 2:00:00 PM | 34.26269 | 60.43707 | 26.17438 | 21.55562 | 48.32943 | 14.06674 | 24.58326 | 49.86744 | 15.60475 | 23.74525 | 41.53824 | 7.27555 | 22.53445 | 44.13411 | 9.87142 | 56.33858 |
| 1/14/2025 | 3:00:00 PM | 34.256 | 60.44422 | 26.18822 | 21.54178 | 48.33614 | 14.08014 | 24.56986 | 49.87101 | 15.61501 | 23.73499 | 41.5454 | 7.2894 | 22.5206 | 44.14126 | 9.88526 | 56.32474 |
| 1/14/2025 | 4:00:00 PM | 34.24931 | 60.45493 | 26.20562 | 21.52438 | 48.33279 | 14.08348 | 24.56652 | 49.86744 | 15.61813 | 23.73187 | 41.55613 | 7.30682 | 22.50318 | 44.15198 | 9.90267 | 56.30733 |
| 1/14/2025 | 5:00:00 PM | 34.24596 | 60.44422 | 26.19826 | 21.53174 | 48.32943 | 14.08347 | 24.56653 | 49.86031 | 15.61435 | 23.73565 | 41.55255 | 7.30659 | 22.50341 | 44.15198 | 9.90602 | 56.30398 |
| 1/14/2025 | 6:00:00 PM | 34.24596 | 60.44422 | 26.19826 | 21.53174 | 48.32608 | 14.08012 | 24.56988 | 49.86744 | 15.62148 | 23.72852 | 41.55255 | 7.30659 | 22.50341 | 44.16627 | 9.92031 | 56.28969 |
| 1/14/2025 | 7:00:00 PM | 34.21921 | 60.44779 | 26.22858 | 21.50142 | 48.32272 | 14.10351 | 24.54649 | 49.85675 | 15.63754 | 23.71246 | 41.55613 | 7.33692 | 22.47308 | 44.15198 | 9.93277 | 56.27723 |
| 1/14/2025 | 8:00:00 PM | 34.21587 | 60.44064 | 26.22477 | 21.50523 | 48.31602 | 14.10015 | 24.54985 | 49.85675 | 15.64088 | 23.70912 | 41.54898 | 7.33311 | 22.47689 | 44.15198 | 9.93611 | 56.27389 |
| 1/14/2025 | 9:00:00 PM | 34.21587 | 60.44422 | 26.22835 | 21.50165 | 48.32272 | 14.10685 | 24.54315 | 49.84962 | 15.63375 | 23.71625 | 41.55255 | 7.33668 | 22.47332 | 44.15555 | 9.93968 | 56.27032 |
| 1/14/2025 | 10:00:00 PM | 34.21252 | 60.42993 | 26.21741 | 21.51259 | 48.31602 | 14.1035 | 24.5465 | 49.84249 | 15.62997 | 23.72003 | 41.54898 | 7.33646 | 22.47354 | 44.1484 | 9.93588 | 56.27412 |
| 1/14/2025 | 11:00:00 PM | 34.20918 | 60.4335 | 26.22432 | 21.50568 | 48.3026 | 14.09342 | 24.55658 | 49.83179 | 15.62261 | 23.72739 | 41.55255 | 7.34337 | 22.46663 | 44.15198 | 9.9428 | 56.2672 |
| 1/15/2025 | 12:00:00 AM | 34.20584 | 60.41922 | 26.21338 | 21.51662 | 48.29589 | 14.09005 | 24.55995 | 49.82466 | 15.61882 | 23.73118 | 41.54182 | 7.33598 | 22.47402 | 44.14126 | 9.93542 | 56.27458 |
| 1/15/2025 | 1:00:00 AM | 34.20584 | 60.42279 | 26.21695 | 21.51305 | 48.28919 | 14.08335 | 24.56665 | 49.82466 | 15.61882 | 23.73118 | 41.54898 | 7.34314 | 22.46686 | 44.15198 | 9.94614 | 56.26386 |
| 1/15/2025 | 2:00:00 AM | 34.20249 | 60.40851 | 26.20602 | 21.52398 | 48.28248 | 14.07999 | 24.57001 | 49.8104 | 15.60791 | 23.74209 | 41.53109 | 7.3286 | 22.4814 | 44.14483 | 9.94234 | 56.26766 |
| 1/15/2025 | 3:00:00 AM | 34.18912 | 60.39779 | 26.20867 | 21.52133 | 48.26235 | 14.07323 | 24.57677 | 49.79257 | 15.60345 | 23.74655 | 41.53109 | 7.34197 | 22.46803 | 44.13053 | 9.94141 | 56.26859 |
| 1/15/2025 | 4:00:00 AM | 34.18912 | 60.39422 | 26.2051 | 21.5249 | 48.25229 | 14.06317 | 24.58683 | 49.78188 | 15.59276 | 23.75724 | 41.53109 | 7.34197 | 22.46803 | 44.13411 | 9.94499 | 56.26501 |
| 1/15/2025 | 5:00:00 AM | 34.18243 | 60.39065 | 26.20822 | 21.52178 | 48.23888 | 14.05645 | 24.59355 | 49.77118 | 15.58875 | 23.76125 | 41.52393 | 7.3415 | 22.4685 | 44.12696 | 9.94453 | 56.26547 |
| 1/15/2025 | 6:00:00 AM | 34.1724 | 60.37637 | 26.20397 | 21.52603 | 48.23888 | 14.06648 | 24.58352 | 49.76048 | 15.58808 | 23.76192 | 41.52035 | 7.34795 | 22.46205 | 44.13411 | 9.96171 | 56.24829 |
| 1/15/2025 | 7:00:00 AM | 34.1724 | 60.36923 | 26.19683 | 21.53317 | 48.22546 | 14.05306 | 24.59694 | 49.74622 | 15.57382 | 23.77618 | 41.5132 | 7.3408 | 22.4692 | 44.12696 | 9.95456 | 56.25544 |
| 1/15/2025 | 8:00:00 AM | 34.16236 | 60.36209 | 26.19973 | 21.53027 | 48.2154 | 14.05304 | 24.59696 | 49.74266 | 15.5803 | 23.7697 | 41.51678 | 7.35442 | 22.45558 | 44.12696 | 9.9646 | 56.2454 |
| 1/15/2025 | 9:00:00 AM | 34.1724 | 60.38708 | 26.21468 | 21.51532 | 48.22882 | 14.05642 | 24.59358 | 49.74979 | 15.57739 | 23.77261 | 41.52751 | 7.35511 | 22.45489 | 44.14483 | 9.97243 | 56.23757 |
| 1/15/2025 | 10:00:00 AM | 34.16571 | 60.36209 | 26.19638 | 21.53362 | 48.21205 | 14.04634 | 24.60366 | 49.73909 | 15.57338 | 23.77662 | 41.51678 | 7.35107 | 22.45893 | 44.13411 | 9.9684 | 56.2416 |
| 1/15/2025 | 11:00:00 AM | 34.16571 | 60.3478 | 26.18209 | 21.54791 | 48.19863 | 14.03292 | 24.61708 | 49.7177 | 15.55199 | 23.79801 | 41.49889 | 7.33318 | 22.47682 | 44.13053 | 9.96482 | 56.24518 |
| 1/15/2025 | 12:00:00 PM | 34.16236 | 60.32995 | 26.16759 | 21.56241 | 48.16845 | 14.00609 | 24.64391 | 49.69274 | 15.53038 | 23.81962 | 41.481 | 7.31864 | 22.49136 | 44.10194 | 9.93958 | 56.27042 |
| 1/15/2025 | 1:00:00 PM | 34.14564 | 60.29781 | 26.15217 | 21.57783 | 48.14161 | 13.99597 | 24.65403 | 49.66066 | 15.51502 | 23.83498 | 41.47026 | 7.32462 | 22.48538 | 44.07692 | 9.93128 | 56.27872 |
| 1/15/2025 | 2:00:00 PM | 34.14564 | 60.27996 | 26.13432 | 21.59568 | 48.10808 | 13.96244 | 24.68756 | 49.6357 | 15.49006 | 23.85994 | 41.46311 | 7.31747 | 22.49253 | 44.0805 | 9.93486 | 56.27514 |
| 1/15/2025 | 3:00:00 PM | 34.12892 | 60.25139 | 26.12247 | 21.60753 | 48.08795 | 13.95903 | 24.69097 | 49.61431 | 15.48539 | 23.86461 | 41.4488 | 7.31988 | 22.49012 | 44.05906 | 9.93014 | 56.27986 |
| 1/15/2025 | 4:00:00 PM | 34.1122 | 60.24782 | 26.13562 | 21.59438 | 48.07118 | 13.95898 | 24.69102 | 49.58935 | 15.47715 | 23.87285 | 41.4488 | 7.3366 | 22.4734 | 44.05906 | 9.94686 | 56.26314 |
| 1/15/2025 | 5:00:00 PM | 34.10886 | 60.23711 | 26.12825 | 21.60175 | 48.04771 | 13.93885 | 24.71115 | 49.57509 | 15.46623 | 23.88377 | 41.44522 | 7.33636 | 22.47364 | 44.06263 | 9.95377 | 56.25623 |
| 1/15/2025 | 6:00:00 PM | 34.10552 | 60.21568 | 26.11016 | 21.61984 | 48.02758 | 13.92206 | 24.72794 | 49.56083 | 15.45531 | 23.89469 | 41.43806 | 7.33254 | 22.47746 | 44.05906 | 9.95354 | 56.25646 |
| 1/15/2025 | 7:00:00 PM | 34.09883 | 60.21568 | 26.11685 | 21.61315 | 48.02088 | 13.92205 | 24.72795 | 49.53587 | 15.43704 | 23.91296 | 41.43091 | 7.33208 | 22.47792 | 44.06263 | 9.9638 | 56.2462 |
| 1/15/2025 | 8:00:00 PM | 34.09548 | 60.21211 | 26.11663 | 21.61337 | 48.00746 | 13.91198 | 24.73802 | 49.53231 | 15.43683 | 23.91317 | 41.42733 | 7.33185 | 22.47815 | 44.06978 | 9.9743 | 56.2357 |
| 1/15/2025 | 9:00:00 PM | 34.09214 | 60.19068 | 26.09854 | 21.63146 | 47.99404 | 13.9019 | 24.7481 | 49.52161 | 15.42947 | 23.92053 | 41.4166 | 7.32446 | 22.48554 | 44.06978 | 9.97764 | 56.23236 |
| 1/15/2025 | 10:00:00 PM | 34.07542 | 60.22282 | 26.1474 | 21.5826 | 48.01417 | 13.93875 | 24.71125 | 49.543 | 15.46758 | 23.88242 | 41.43806 | 7.36264 | 22.44736 | 44.09837 | 10.02295 | 56.18705 |
| 1/15/2025 | 11:00:00 PM | 34.06204 | 60.20497 | 26.14293 | 21.58707 | 48.00075 | 13.93871 | 24.71129 | 49.52161 | 15.45957 | 23.89043 | 41.42375 | 7.36171 | 22.44829 | 44.08765 | 10.02561 | 56.18439 |
| 1/16/2025 | 12:00:00 AM | 34.05201 | 60.1764 | 26.12439 | 21.60561 | 47.97057 | 13.91856 | 24.73144 | 49.49665 | 15.44464 | 23.90536 | 41.39155 | 7.33954 | 22.47046 | 44.0662 | 10.01419 | 56.19581 |
| 1/16/2025 | 1:00:00 AM | 34.0587 | 60.17997 | 26.12127 | 21.60873 | 47.97392 | 13.91522 | 24.73478 | 49.49665 | 15.43795 | 23.91205 | 41.40586 | 7.34716 | 22.46284 | 44.0662 | 10.0075 | 56.2025 |
| 1/16/2025 | 2:00:00 AM | 34.05536 | 60.16926 | 26.1139 | 21.6161 | 47.96721 | 13.91185 | 24.73815 | 49.49309 | 15.43773 | 23.91227 | 41.39513 | 7.33977 | 22.47023 | 44.07335 | 10.01799 | 56.19201 |
| 1/16/2025 | 3:00:00 AM | 34.0587 | 60.17997 | 26.12127 | 21.60873 | 47.98063 | 13.92193 | 24.72807 | 49.49665 | 15.43795 | 23.91205 | 41.39513 | 7.33643 | 22.47357 | 44.08765 | 10.02895 | 56.18105 |
| 1/16/2025 | 4:00:00 AM | 34.06204 | 60.17997 | 26.11793 | 21.61207 | 47.98398 | 13.92194 | 24.72806 | 49.49665 | 15.43461 | 23.91539 | 41.39513 | 7.33309 | 22.47691 | 44.09122 | 10.02918 | 56.18082 |
| 1/16/2025 | 5:00:00 AM | 34.05536 | 60.16926 | 26.1139 | 21.6161 | 47.97057 | 13.91521 | 24.73479 | 49.48596 | 15.4306 | 23.9194 | 41.38082 | 7.32546 | 22.48454 | 44.08765 | 10.03229 | 56.17771 |
| 1/16/2025 | 6:00:00 AM | 34.0587 | 60.16926 | 26.11056 | 21.61944 | 47.97727 | 13.91857 | 24.73143 | 49.49309 | 15.43439 | 23.91561 | 41.37724 | 7.31854 | 22.49146 | 44.08765 | 10.02895 | 56.18105 |
| 1/16/2025 | 7:00:00 AM | 34.05536 | 60.1514 | 26.09604 | 21.63396 | 47.96051 | 13.90515 | 24.74485 | 49.46457 | 15.40921 | 23.94079 | 41.36651 | 7.31115 | 22.49885 | 44.0805 | 10.02514 | 56.18486 |
| 1/16/2025 | 8:00:00 AM | 34.04867 | 60.14783 | 26.09916 | 21.63084 | 47.96051 | 13.91184 | 24.73816 | 49.4717 | 15.42303 | 23.92697 | 41.36293 | 7.31426 | 22.49574 | 44.0805 | 10.03183 | 56.17817 |
| 1/16/2025 | 9:00:00 AM | 34.08211 | 60.16569 | 26.08358 | 21.64642 | 47.97392 | 13.89181 | 24.75819 | 49.48596 | 15.40385 | 23.94615 | 41.36651 | 7.2844 | 22.5256 | 44.09122 | 10.00911 | 56.20089 |
| 1/16/2025 | 10:00:00 AM | 34.0888 | 60.17283 | 26.08403 | 21.64597 | 47.99069 | 13.90189 | 24.74811 | 49.50735 | 15.41855 | 23.93145 | 41.37724 | 7.28844 | 22.52156 | 44.11266 | 10.02386 | 56.18614 |
| 1/16/2025 | 11:00:00 AM | 34.08211 | 60.19425 | 26.11214 | 21.61786 | 48.00075 | 13.91864 | 24.73136 | 49.50735 | 15.42524 | 23.92476 | 41.37009 | 7.28798 | 22.52202 | 44.11624 | 10.03413 | 56.17587 |
| 1/16/2025 | 12:00:00 PM | 34.08211 | 60.15497 | 26.07286 | 21.65714 | 47.97727 | 13.89516 | 24.75484 | 49.48239 | 15.40028 | 23.94972 | 41.34504 | 7.26293 | 22.54707 | 44.09479 | 10.01268 | 56.19732 |
| 1/16/2025 | 1:00:00 PM | 34.07542 | 60.12998 | 26.05456 | 21.67544 | 47.9538 | 13.87838 | 24.77162 | 49.45387 | 15.37845 | 23.97155 | 41.33073 | 7.25531 | 22.55469 | 44.0662 | 9.99078 | 56.21922 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/16/2025 | 2:00:00 PM | 34.07876 | 60.13355 | 26.05479 | 21.67521 | 47.95715 | 13.87839 | 24.77161 | 49.45744 | 15.37868 | 23.97132 | 41.33431 | 7.25555 | 22.55445 | 44.06978 | 9.99102 | 56.21898 |
| 1/16/2025 | 3:00:00 PM | 34.0888 | 60.13355 | 26.04475 | 21.68525 | 47.96051 | 13.87171 | 24.77829 | 49.46457 | 15.37577 | 23.97423 | 41.33789 | 7.24909 | 22.56091 | 44.07335 | 9.98455 | 56.22545 |
| 1/16/2025 | 4:00:00 PM | 34.0888 | 60.14069 | 26.05189 | 21.67811 | 47.96721 | 13.87841 | 24.77159 | 49.46457 | 15.37577 | 23.97423 | 41.34862 | 7.25982 | 22.55018 | 44.09122 | 10.00242 | 56.20758 |
| 1/16/2025 | 5:00:00 PM | 34.0888 | 60.15855 | 26.06975 | 21.66025 | 47.97727 | 13.88847 | 24.76153 | 49.47526 | 15.38646 | 23.96354 | 41.34504 | 7.25624 | 22.55376 | 44.10194 | 10.01314 | 56.19686 |
| 1/16/2025 | 6:00:00 PM | 34.08211 | 60.15855 | 26.07644 | 21.65356 | 47.98063 | 13.89852 | 24.75148 | 49.4717 | 15.38959 | 23.96041 | 41.34146 | 7.25935 | 22.55065 | 44.10194 | 10.01983 | 56.19017 |
| 1/16/2025 | 7:00:00 PM | 34.08211 | 60.16212 | 26.08001 | 21.64999 | 47.99069 | 13.90858 | 24.74142 | 49.47526 | 15.39315 | 23.95685 | 41.33431 | 7.2522 | 22.5578 | 44.09479 | 10.01268 | 56.19732 |
| 1/16/2025 | 8:00:00 PM | 34.08545 | 60.16212 | 26.07667 | 21.65333 | 47.9974 | 13.91195 | 24.73805 | 49.49309 | 15.40764 | 23.94236 | 41.34862 | 7.26317 | 22.54683 | 44.10909 | 10.02364 | 56.18636 |
| 1/16/2025 | 9:00:00 PM | 34.08545 | 60.18354 | 26.09809 | 21.63191 | 48.02088 | 13.93543 | 24.71457 | 49.50735 | 15.4219 | 23.9281 | 41.3522 | 7.26675 | 22.54325 | 44.12696 | 10.04151 | 56.16849 |
| 1/16/2025 | 10:00:00 PM | 34.09883 | 60.19425 | 26.09542 | 21.63458 | 48.041 | 13.94217 | 24.70783 | 49.52518 | 15.42635 | 23.92365 | 41.36293 | 7.2641 | 22.5459 | 44.13053 | 10.0317 | 56.1783 |
| 1/16/2025 | 11:00:00 PM | 34.10552 | 60.19783 | 26.09231 | 21.63769 | 48.05777 | 13.95225 | 24.69775 | 49.52874 | 15.42322 | 23.92678 | 41.35578 | 7.25026 | 22.55974 | 44.13411 | 10.02859 | 56.18141 |
| 1/17/2025 | 12:00:00 AM | 34.1122 | 60.21211 | 26.09991 | 21.63009 | 48.06448 | 13.95228 | 24.69772 | 49.5537 | 15.4415 | 23.9085 | 41.36651 | 7.25431 | 22.55569 | 44.13411 | 10.02191 | 56.18809 |
| 1/17/2025 | 1:00:00 AM | 34.12224 | 60.22996 | 26.10772 | 21.62228 | 48.09131 | 13.96907 | 24.68093 | 49.56796 | 15.44572 | 23.90428 | 41.37366 | 7.25142 | 22.55858 | 44.1484 | 10.02616 | 56.18384 |
| 1/17/2025 | 2:00:00 AM | 34.12892 | 60.22639 | 26.09747 | 21.63253 | 48.09801 | 13.96909 | 24.68091 | 49.57509 | 15.44617 | 23.90383 | 41.36651 | 7.23759 | 22.57241 | 44.14483 | 10.01591 | 56.19409 |
| 1/17/2025 | 3:00:00 AM | 34.12558 | 60.23711 | 26.11153 | 21.61847 | 48.10472 | 13.97914 | 24.67086 | 49.57509 | 15.44951 | 23.90049 | 41.36293 | 7.23735 | 22.57265 | 44.13768 | 10.0121 | 56.1979 |
| 1/17/2025 | 4:00:00 AM | 34.13227 | 60.24425 | 26.11198 | 21.61802 | 48.12149 | 13.98922 | 24.66078 | 49.58935 | 15.45708 | 23.89292 | 41.36651 | 7.23424 | 22.57576 | 44.14126 | 10.00899 | 56.20101 |
| 1/17/2025 | 5:00:00 AM | 34.1423 | 60.25139 | 26.10909 | 21.62091 | 48.12485 | 13.98255 | 24.66745 | 49.60005 | 15.45775 | 23.89225 | 41.37366 | 7.23136 | 22.57864 | 44.13768 | 9.99538 | 56.21462 |
| 1/17/2025 | 6:00:00 AM | 34.13896 | 60.24782 | 26.10886 | 21.62114 | 48.13155 | 13.99259 | 24.65741 | 49.59648 | 15.45752 | 23.89248 | 41.36651 | 7.22755 | 22.58245 | 44.14126 | 10.0023 | 56.2077 |
| 1/17/2025 | 7:00:00 AM | 34.13896 | 60.25853 | 26.11957 | 21.61043 | 48.14832 | 14.00936 | 24.64064 | 49.61431 | 15.47535 | 23.87465 | 41.37366 | 7.2347 | 22.5753 | 44.14483 | 10.00587 | 56.20413 |
| 1/17/2025 | 8:00:00 AM | 34.07542 | 60.2871 | 26.21168 | 21.51832 | 48.17515 | 14.09973 | 24.55027 | 49.62857 | 15.55315 | 23.79685 | 41.39871 | 7.32329 | 22.48671 | 44.15912 | 10.0837 | 56.1263 |
| 1/17/2025 | 9:00:00 AM | 34.09214 | 60.30852 | 26.21638 | 21.51362 | 48.20198 | 14.10984 | 24.54016 | 49.65709 | 15.56495 | 23.78505 | 41.40944 | 7.3173 | 22.4927 | 44.17342 | 10.08128 | 56.12872 |
| 1/17/2025 | 10:00:00 AM | 34.10217 | 60.31209 | 26.20992 | 21.52008 | 48.2154 | 14.11323 | 24.53677 | 49.66779 | 15.56562 | 23.78438 | 41.40944 | 7.30727 | 22.50273 | 44.17342 | 10.07125 | 56.13875 |
| 1/17/2025 | 11:00:00 AM | 34.11889 | 60.32995 | 26.21106 | 21.51894 | 48.23888 | 14.11999 | 24.53001 | 49.68918 | 15.57029 | 23.77971 | 41.41302 | 7.29413 | 22.51587 | 44.17342 | 10.05453 | 56.15547 |
| 1/17/2025 | 12:00:00 PM | 34.13227 | 60.31566 | 26.18339 | 21.54661 | 48.23552 | 14.10325 | 24.54675 | 49.66779 | 15.53552 | 23.81448 | 41.40229 | 7.27002 | 22.53998 | 44.1627 | 10.03043 | 56.17957 |
| 1/17/2025 | 1:00:00 PM | 34.14564 | 60.31924 | 26.1736 | 21.5564 | 48.22882 | 14.08318 | 24.56682 | 49.67492 | 15.52928 | 23.82072 | 41.40229 | 7.25665 | 22.55335 | 44.14483 | 9.99919 | 56.21081 |
| 1/17/2025 | 2:00:00 PM | 34.1423 | 60.31209 | 26.16979 | 21.56021 | 48.22546 | 14.08316 | 24.56684 | 49.66066 | 15.51836 | 23.83164 | 41.39155 | 7.24925 | 22.56075 | 44.13053 | 9.98823 | 56.22177 |
| 1/17/2025 | 3:00:00 PM | 34.13561 | 60.31566 | 26.18005 | 21.54995 | 48.2154 | 14.07979 | 24.57021 | 49.65353 | 15.51792 | 23.83208 | 41.39513 | 7.25952 | 22.55048 | 44.12339 | 9.98778 | 56.22222 |
| 1/17/2025 | 4:00:00 PM | 34.1423 | 60.31924 | 26.17694 | 21.55306 | 48.22882 | 14.08652 | 24.56348 | 49.66779 | 15.52549 | 23.82451 | 41.40944 | 7.26714 | 22.54286 | 44.13768 | 9.99538 | 56.21462 |
| 1/17/2025 | 5:00:00 PM | 34.1423 | 60.33709 | 26.19479 | 21.53521 | 48.23217 | 14.08987 | 24.56013 | 49.67135 | 15.52905 | 23.82095 | 41.4166 | 7.2743 | 22.5357 | 44.14483 | 10.00253 | 56.20747 |
| 1/17/2025 | 6:00:00 PM | 34.13227 | 60.33709 | 26.20482 | 21.52518 | 48.24894 | 14.11667 | 24.53333 | 49.68205 | 15.54978 | 23.80022 | 41.42375 | 7.29148 | 22.51852 | 44.1484 | 10.01613 | 56.19387 |
| 1/17/2025 | 7:00:00 PM | 34.13896 | 60.35137 | 26.21241 | 21.51759 | 48.25565 | 14.11669 | 24.53331 | 49.68918 | 15.55022 | 23.79978 | 41.43449 | 7.29553 | 22.51447 | 44.15555 | 10.01659 | 56.19341 |
| 1/17/2025 | 8:00:00 PM | 34.13896 | 60.37637 | 26.23741 | 21.49259 | 48.27577 | 14.13681 | 24.51319 | 49.71057 | 15.57161 | 23.77839 | 41.44522 | 7.30626 | 22.50374 | 44.1627 | 10.02374 | 56.18626 |
| 1/17/2025 | 9:00:00 PM | 34.14899 | 60.37637 | 26.22738 | 21.50262 | 48.29254 | 14.14355 | 24.50645 | 49.72127 | 15.57228 | 23.77772 | 41.45238 | 7.30339 | 22.50661 | 44.17342 | 10.02443 | 56.18557 |
| 1/17/2025 | 10:00:00 PM | 34.16571 | 60.39779 | 26.23208 | 21.49792 | 48.30596 | 14.14025 | 24.50975 | 49.74622 | 15.58051 | 23.76949 | 41.46311 | 7.2974 | 22.5126 | 44.18414 | 10.01843 | 56.19157 |
| 1/17/2025 | 11:00:00 PM | 34.15902 | 60.38708 | 26.22806 | 21.50194 | 48.3026 | 14.14358 | 24.50642 | 49.73553 | 15.57651 | 23.77349 | 41.45595 | 7.29693 | 22.51307 | 44.16627 | 10.00725 | 56.20275 |
| 1/18/2025 | 12:00:00 AM | 34.1724 | 60.39779 | 26.22539 | 21.50461 | 48.31266 | 14.14026 | 24.50974 | 49.74622 | 15.57382 | 23.77618 | 41.45595 | 7.28355 | 22.52645 | 44.1627 | 9.9903 | 56.2197 |
| 1/18/2025 | 1:00:00 AM | 34.16571 | 60.39422 | 26.22851 | 21.50149 | 48.30931 | 14.1436 | 24.5064 | 49.73553 | 15.56982 | 23.78018 | 41.4488 | 7.28309 | 22.52691 | 44.15555 | 9.98984 | 56.22016 |
| 1/18/2025 | 2:00:00 AM | 34.1724 | 60.40494 | 26.23254 | 21.49746 | 48.31937 | 14.14697 | 24.50303 | 49.73909 | 15.56669 | 23.78331 | 41.45953 | 7.28713 | 22.52287 | 44.1484 | 9.976 | 56.234 |
| 1/18/2025 | 3:00:00 AM | 34.18243 | 60.41565 | 26.23322 | 21.49678 | 48.31937 | 14.13694 | 24.51306 | 49.74622 | 15.56379 | 23.78621 | 41.47384 | 7.29141 | 22.51859 | 44.15555 | 9.97312 | 56.23688 |
| 1/18/2025 | 4:00:00 AM | 34.19246 | 60.41565 | 26.22319 | 21.50681 | 48.32943 | 14.13697 | 24.51303 | 49.75692 | 15.56446 | 23.78554 | 41.481 | 7.28854 | 22.52146 | 44.16627 | 9.97381 | 56.23619 |
| 1/18/2025 | 5:00:00 AM | 34.18577 | 60.39422 | 26.20845 | 21.52155 | 48.30931 | 14.12354 | 24.52646 | 49.72483 | 15.53906 | 23.81094 | 41.45953 | 7.27376 | 22.53624 | 44.14126 | 9.95549 | 56.25451 |
| 1/18/2025 | 6:00:00 AM | 34.17908 | 60.40137 | 26.22229 | 21.50771 | 48.3026 | 14.12352 | 24.52648 | 49.7284 | 15.54932 | 23.80068 | 41.47384 | 7.29476 | 22.51524 | 44.13768 | 9.9586 | 56.2514 |
| 1/18/2025 | 7:00:00 AM | 34.17908 | 60.40494 | 26.22586 | 21.50414 | 48.31266 | 14.13358 | 24.51642 | 49.73196 | 15.55288 | 23.79712 | 41.47742 | 7.29834 | 22.51166 | 44.14483 | 9.96575 | 56.24425 |
| 1/18/2025 | 8:00:00 AM | 34.18577 | 60.41565 | 26.22988 | 21.50012 | 48.31937 | 14.1336 | 24.5164 | 49.73553 | 15.54976 | 23.80024 | 41.481 | 7.29523 | 22.51477 | 44.15198 | 9.96621 | 56.24379 |
| 1/18/2025 | 9:00:00 AM | 34.18577 | 60.41208 | 26.22631 | 21.50369 | 48.31937 | 14.1336 | 24.5164 | 49.74622 | 15.56045 | 23.78955 | 41.48458 | 7.29881 | 22.51119 | 44.1484 | 9.96263 | 56.24737 |
| 1/18/2025 | 10:00:00 AM | 34.19915 | 60.42993 | 26.23078 | 21.49922 | 48.32943 | 14.13028 | 24.51972 | 49.74979 | 15.55064 | 23.79936 | 41.49889 | 7.29974 | 22.51026 | 44.1627 | 9.96355 | 56.24645 |
| 1/18/2025 | 11:00:00 AM | 34.21587 | 60.42279 | 26.20692 | 21.52308 | 48.32608 | 14.11021 | 24.53979 | 49.74622 | 15.53035 | 23.81965 | 41.48815 | 7.27228 | 22.53772 | 44.15912 | 9.94325 | 56.26675 |
| 1/18/2025 | 12:00:00 PM | 34.22256 | 60.39422 | 26.17166 | 21.55834 | 48.28919 | 14.06663 | 24.58337 | 49.70701 | 15.48445 | 23.86555 | 41.46311 | 7.24055 | 22.56945 | 44.11266 | 9.8901 | 56.3199 |
| 1/18/2025 | 1:00:00 PM | 34.23928 | 60.39422 | 26.15494 | 21.57506 | 48.26571 | 14.02643 | 24.62357 | 49.69274 | 15.45346 | 23.89654 | 41.46311 | 7.22383 | 22.58617 | 44.09837 | 9.85909 | 56.35091 |
| 1/18/2025 | 2:00:00 PM | 34.23593 | 60.37994 | 26.14401 | 21.58599 | 48.24559 | 14.00966 | 24.64034 | 49.67135 | 15.43542 | 23.91458 | 41.45953 | 7.2236 | 22.5864 | 44.09122 | 9.85529 | 56.35471 |
| 1/18/2025 | 3:00:00 PM | 34.21252 | 60.37637 | 26.16385 | 21.56615 | 48.24559 | 14.03307 | 24.61693 | 49.66066 | 15.44814 | 23.90186 | 41.47026 | 7.25774 | 22.55226 | 44.09122 | 9.8787 | 56.3313 |
| 1/18/2025 | 4:00:00 PM | 34.20249 | 60.37637 | 26.17388 | 21.55612 | 48.22882 | 14.02633 | 24.62367 | 49.65353 | 15.45104 | 23.89896 | 41.47742 | 7.27493 | 22.53507 | 44.09837 | 9.89588 | 56.31412 |
| 1/18/2025 | 5:00:00 PM | 34.19246 | 60.38708 | 26.19462 | 21.53538 | 48.23217 | 14.03971 | 24.61029 | 49.66066 | 15.4682 | 23.8818 | 41.47742 | 7.28496 | 22.52504 | 44.10552 | 9.91306 | 56.29694 |
| 1/18/2025 | 6:00:00 PM | 34.18912 | 60.39422 | 26.2051 | 21.5249 | 48.24559 | 14.05647 | 24.59353 | 49.66066 | 15.47154 | 23.87846 | 41.48815 | 7.29903 | 22.51097 | 44.11981 | 9.93069 | 56.27931 |
| 1/18/2025 | 7:00:00 PM | 34.18577 | 60.39422 | 26.20845 | 21.52155 | 48.24223 | 14.05646 | 24.59354 | 49.67135 | 15.48558 | 23.86442 | 41.48815 | 7.30238 | 22.50762 | 44.12696 | 9.94119 | 56.26881 |
| 1/18/2025 | 8:00:00 PM | 34.17908 | 60.38351 | 26.20443 | 21.52557 | 48.22211 | 14.04303 | 24.60697 | 49.63927 | 15.46019 | 23.88981 | 41.47384 | 7.29476 | 22.51524 | 44.10909 | 9.93001 | 56.27999 |
| 1/18/2025 | 9:00:00 PM | 34.17574 | 60.37637 | 26.20063 | 21.52937 | 48.22211 | 14.04637 | 24.60363 | 49.6464 | 15.47066 | 23.87934 | 41.47742 | 7.30168 | 22.50832 | 44.12339 | 9.94765 | 56.26235 |
| 1/18/2025 | 10:00:00 PM | 34.16905 | 60.36209 | 26.19304 | 21.53696 | 48.20869 | 14.03964 | 24.61036 | 49.63213 | 15.46308 | 23.88692 | 41.46311 | 7.29406 | 22.51594 | 44.10194 | 9.93289 | 56.27711 |
| 1/18/2025 | 11:00:00 PM | 34.15902 | 60.35851 | 26.19949 | 21.53051 | 48.21205 | 14.05303 | 24.59697 | 49.62144 | 15.46242 | 23.88758 | 41.47026 | 7.31124 | 22.49876 | 44.11266 | 9.95364 | 56.25636 |
| 1/19/2025 | 12:00:00 AM | 34.15902 | 60.3728 | 26.21378 | 21.51622 | 48.20869 | 14.04967 | 24.60033 | 49.62857 | 15.46955 | 23.88045 | 41.47384 | 7.31482 | 22.49518 | 44.11624 | 9.95722 | 56.25278 |
| 1/19/2025 | 1:00:00 AM | 34.15233 | 60.36566 | 26.21333 | 21.51667 | 48.20198 | 14.04965 | 24.60035 | 49.61431 | 15.46198 | 23.88802 | 41.46669 | 7.31436 | 22.49564 | 44.10909 | 9.95676 | 56.25324 |
| 1/19/2025 | 2:00:00 AM | 34.1423 | 60.36566 | 26.22336 | 21.50664 | 48.20198 | 14.05968 | 24.59032 | 49.61431 | 15.47201 | 23.87799 | 41.47742 | 7.33512 | 22.47488 | 44.11624 | 9.97394 | 56.23606 |
| 1/19/2025 | 3:00:00 AM | 34.14564 | 60.3728 | 26.22716 | 21.50284 | 48.20534 | 14.0597 | 24.5903 | 49.61787 | 15.47223 | 23.87777 | 41.47742 | 7.33178 | 22.47822 | 44.13053 | 9.98489 | 56.22511 |
| 1/19/2025 | 4:00:00 AM | 34.14899 | 60.37637 | 26.22738 | 21.50262 | 48.21205 | 14.06306 | 24.58694 | 49.62144 | 15.47245 | 23.87755 | 41.481 | 7.33201 | 22.47799 | 44.14126 | 9.99227 | 56.21773 |
| 1/19/2025 | 5:00:00 AM | 34.1423 | 60.36923 | 26.22693 | 21.50307 | 48.2154 | 14.0731 | 24.5769 | 49.625 | 15.4827 | 23.8673 | 41.481 | 7.3387 | 22.4713 | 44.13411 | 9.99181 | 56.21819 |
| 1/19/2025 | 6:00:00 AM | 34.1423 | 60.36923 | 26.22693 | 21.50307 | 48.21205 | 14.06975 | 24.58025 | 49.61787 | 15.47557 | 23.87443 | 41.47384 | 7.33154 | 22.47846 | 44.13053 | 9.98823 | 56.22177 |
| 1/19/2025 | 7:00:00 AM | 34.15233 | 60.38708 | 26.23475 | 21.49525 | 48.22546 | 14.07313 | 24.57687 | 49.63927 | 15.48694 | 23.86306 | 41.48815 | 7.33582 | 22.47418 | 44.13768 | 9.98535 | 56.22465 |
| 1/19/2025 | 8:00:00 AM | 34.15902 | 60.39779 | 26.23877 | 21.49123 | 48.23217 | 14.07315 | 24.57685 | 49.65353 | 15.49451 | 23.85549 | 41.49531 | 7.33629 | 22.47371 | 44.15555 | 9.99653 | 56.21347 |
| 1/19/2025 | 9:00:00 AM | 34.16236 | 60.40851 | 26.24615 | 21.48385 | 48.24223 | 14.07987 | 24.57013 | 49.65709 | 15.49473 | 23.85527 | 41.49531 | 7.33295 | 22.47705 | 44.1627 | 10.00034 | 56.20966 |
| 1/19/2025 | 10:00:00 AM | 34.1724 | 60.41922 | 26.24682 | 21.48318 | 48.25229 | 14.07989 | 24.57011 | 49.67492 | 15.50252 | 23.84748 | 41.49173 | 7.31933 | 22.49067 | 44.16985 | 9.99745 | 56.21255 |
| 1/19/2025 | 11:00:00 AM | 34.19915 | 60.4335 | 26.23435 | 21.49565 | 48.27242 | 14.07327 | 24.57673 | 49.68918 | 15.49003 | 23.85997 | 41.50246 | 7.30331 | 22.50669 | 44.18057 | 9.98142 | 56.22858 |
| 1/19/2025 | 12:00:00 PM | 34.22924 | 60.40851 | 26.17927 | 21.55073 | 48.259 | 14.02976 | 24.62024 | 49.67848 | 15.44924 | 23.90076 | 41.48458 | 7.25534 | 22.55466 | 44.16627 | 9.93703 | 56.27297 |
| 1/19/2025 | 1:00:00 PM | 34.24931 | 60.41208 | 26.16277 | 21.56723 | 48.25565 | 14.00634 | 24.64366 | 49.67492 | 15.42561 | 23.92439 | 41.48458 | 7.23527 | 22.57473 | 44.15912 | 9.90981 | 56.30019 |
| 1/19/2025 | 2:00:00 PM | 34.26269 | 60.40494 | 26.14225 | 21.58775 | 48.25229 | 13.9896 | 24.6604 | 49.66779 | 15.4051 | 23.9449 | 41.48458 | 7.22189 | 22.58811 | 44.1484 | 9.88571 | 56.32429 |
| 1/19/2025 | 3:00:00 PM | 34.24262 | 60.40137 | 26.15875 | 21.57125 | 48.24559 | 14.00297 | 24.64703 | 49.66066 | 15.41804 | 23.93196 | 41.48815 | 7.24553 | 22.56447 | 44.1484 | 9.90578 | 56.30422 |
| 1/19/2025 | 4:00:00 PM | 34.23593 | 60.40851 | 26.17258 | 21.55742 | 48.24559 | 14.00966 | 24.64034 | 49.66422 | 15.42829 | 23.92171 | 41.49173 | 7.2558 | 22.5542 | 44.14483 | 9.9089 | 56.3011 |
| 1/19/2025 | 5:00:00 PM | 34.22256 | 60.40851 | 26.18595 | 21.54405 | 48.23888 | 14.01632 | 24.63368 | 49.65709 | 15.43453 | 23.91547 | 41.48815 | 7.26559 | 22.54441 | 44.14126 | 9.9187 | 56.2913 |
| 1/19/2025 | 6:00:00 PM | 34.20249 | 60.40494 | 26.20245 | 21.52755 | 48.25229 | 14.0498 | 24.6002 | 49.66422 | 15.46173 | 23.88827 | 41.49889 | 7.2964 | 22.5136 | 44.1484 | 9.94591 | 56.26409 |
| 1/19/2025 | 7:00:00 PM | 34.19915 | 60.42636 | 26.22721 | 21.50279 | 48.26906 | 14.06991 | 24.58009 | 49.66779 | 15.46864 | 23.88136 | 41.5132 | 7.31405 | 22.49595 | 44.15912 | 9.95997 | 56.25003 |
| 1/19/2025 | 8:00:00 PM | 34.20249 | 60.44064 | 26.23815 | 21.49185 | 48.27912 | 14.07663 | 24.57337 | 49.69274 | 15.49025 | 23.85975 | 41.52035 | 7.31786 | 22.49214 | 44.18057 | 9.97808 | 56.23192 |
| 1/19/2025 | 9:00:00 PM | 34.20918 | 60.46921 | 26.26003 | 21.46997 | 48.30596 | 14.09678 | 24.55322 | 49.71414 | 15.50496 | 23.84504 | 41.53109 | 7.32191 | 22.48809 | 44.19844 | 9.98926 | 56.22074 |
| 1/19/2025 | 10:00:00 PM | 34.21587 | 60.46921 | 26.25334 | 21.47666 | 48.31937 | 14.1035 | 24.5465 | 49.72483 | 15.50896 | 23.84104 | 41.53109 | 7.31522 | 22.49478 | 44.19844 | 9.98257 | 56.22743 |
| 1/19/2025 | 11:00:00 PM | 34.2259 | 60.49064 | 26.26474 | 21.46526 | 48.33949 | 14.11359 | 24.53641 | 49.74622 | 15.52032 | 23.82968 | 41.54182 | 7.31592 | 22.49408 | 44.20559 | 9.97969 | 56.23031 |
| 1/20/2025 | 12:00:00 AM | 34.22924 | 60.4835 | 26.25426 | 21.47574 | 48.3462 | 14.11696 | 24.53304 | 49.74622 | 15.51698 | 23.83302 | 41.54182 | 7.31258 | 22.49742 | 44.20559 | 9.97635 | 56.23365 |
| 1/20/2025 | 1:00:00 AM | 34.22924 | 60.47992 | 26.25068 | 21.47932 | 48.34285 | 14.11361 | 24.53639 | 49.74622 | 15.51698 | 23.83302 | 41.53824 | 7.309 | 22.501 | 44.19486 | 9.96562 | 56.24438 |
| 1/20/2025 | 2:00:00 AM | 34.23259 | 60.4835 | 26.25091 | 21.47909 | 48.3462 | 14.11361 | 24.53639 | 49.74266 | 15.51007 | 23.83993 | 41.53109 | 7.2985 | 22.5115 | 44.19129 | 9.9587 | 56.2513 |
| 1/20/2025 | 3:00:00 AM | 34.23259 | 60.49064 | 26.25805 | 21.47195 | 48.3462 | 14.11361 | 24.53639 | 49.74266 | 15.51007 | 23.83993 | 41.53824 | 7.30565 | 22.50435 | 44.18414 | 9.95155 | 56.25845 |
| 1/20/2025 | 4:00:00 AM | 34.23593 | 60.48707 | 26.25114 | 21.47886 | 48.35626 | 14.12033 | 24.52967 | 49.73553 | 15.4996 | 23.8504 | 41.53466 | 7.29873 | 22.51127 | 44.19129 | 9.95536 | 56.25464 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/20/2025 | 5:00:00 AM | 34.23593 | 60.48707 | 26.25114 | 21.47886 | 48.34956 | 14.11363 | 24.53637 | 49.73553 | 15.4996 | 23.8504 | 41.5454 | 7.30947 | 22.50053 | 44.18414 | 9.94821 | 56.26179 |
| 1/20/2025 | 6:00:00 AM | 34.24931 | 60.49778 | 26.24847 | 21.48153 | 48.35962 | 14.11031 | 24.53969 | 49.74979 | 15.50048 | 23.84952 | 41.54898 | 7.29967 | 22.51033 | 44.18414 | 9.93483 | 56.27517 |
| 1/20/2025 | 7:00:00 AM | 34.24596 | 60.47635 | 26.23039 | 21.49961 | 48.3462 | 14.10024 | 24.54976 | 49.73196 | 15.486 | 23.864 | 41.53824 | 7.29228 | 22.51772 | 44.18057 | 9.93461 | 56.27539 |
| 1/20/2025 | 8:00:00 AM | 34.24931 | 60.47635 | 26.22704 | 21.50296 | 48.34285 | 14.09354 | 24.55646 | 49.72483 | 15.47552 | 23.87448 | 41.5454 | 7.29609 | 22.51391 | 44.17342 | 9.92411 | 56.28589 |
| 1/20/2025 | 9:00:00 AM | 34.24262 | 60.47635 | 26.23373 | 21.49627 | 48.33614 | 14.09352 | 24.55648 | 49.72127 | 15.47865 | 23.87135 | 41.54182 | 7.2992 | 22.5108 | 44.16627 | 9.92365 | 56.28635 |
| 1/20/2025 | 10:00:00 AM | 34.21921 | 60.46921 | 26.25 | 21.48 | 48.33614 | 14.11693 | 24.53307 | 49.7177 | 15.49849 | 23.85151 | 41.5454 | 7.32619 | 22.48381 | 44.16627 | 9.94706 | 56.26294 |
| 1/20/2025 | 11:00:00 AM | 34.22924 | 60.47635 | 26.24711 | 21.48289 | 48.32943 | 14.10019 | 24.54981 | 49.70701 | 15.47777 | 23.87223 | 41.54898 | 7.31974 | 22.49026 | 44.15912 | 9.92988 | 56.28012 |
| 1/20/2025 | 12:00:00 PM | 34.24931 | 60.44779 | 26.19848 | 21.53152 | 48.30596 | 14.05665 | 24.59335 | 49.68561 | 15.4363 | 23.9137 | 41.53109 | 7.28178 | 22.52822 | 44.15198 | 9.90267 | 56.30733 |
| 1/20/2025 | 1:00:00 PM | 34.256 | 60.42279 | 26.16679 | 21.56321 | 48.27912 | 14.02312 | 24.62688 | 49.65709 | 15.40109 | 23.94891 | 41.51678 | 7.26078 | 22.54922 | 44.11624 | 9.86024 | 56.34976 |
| 1/20/2025 | 2:00:00 PM | 34.24931 | 60.41565 | 26.16634 | 21.56366 | 48.25565 | 14.00634 | 24.64366 | 49.63927 | 15.38996 | 23.96004 | 41.5132 | 7.26389 | 22.54611 | 44.12339 | 9.87408 | 56.33592 |
| 1/20/2025 | 3:00:00 PM | 34.22924 | 60.39779 | 26.16855 | 21.56145 | 48.23217 | 14.00293 | 24.64707 | 49.61431 | 15.38507 | 23.96493 | 41.50962 | 7.28038 | 22.52962 | 44.09837 | 9.86913 | 56.34087 |
| 1/20/2025 | 4:00:00 PM | 34.2259 | 60.40137 | 26.17547 | 21.55453 | 48.22882 | 14.00292 | 24.64708 | 49.61431 | 15.38841 | 23.96159 | 41.5132 | 7.2873 | 22.5227 | 44.11624 | 9.89034 | 56.31966 |
| 1/20/2025 | 5:00:00 PM | 34.21921 | 60.39065 | 26.17144 | 21.55856 | 48.21205 | 13.99284 | 24.65716 | 49.60005 | 15.38084 | 23.96916 | 41.5132 | 7.29399 | 22.51601 | 44.10909 | 9.88988 | 56.32012 |
| 1/20/2025 | 6:00:00 PM | 34.20249 | 60.37994 | 26.17745 | 21.55255 | 48.19863 | 13.99614 | 24.65386 | 49.58579 | 15.3833 | 23.9667 | 41.50604 | 7.30355 | 22.50645 | 44.10552 | 9.90303 | 56.30697 |
| 1/20/2025 | 7:00:00 PM | 34.19915 | 60.37994 | 26.18079 | 21.54921 | 48.18857 | 13.98942 | 24.66058 | 49.57509 | 15.37594 | 23.97406 | 41.50962 | 7.31047 | 22.49953 | 44.10194 | 9.90279 | 56.30721 |
| 1/20/2025 | 8:00:00 PM | 34.18243 | 60.36209 | 26.17966 | 21.55034 | 48.1718 | 13.98937 | 24.66063 | 49.56083 | 15.3784 | 23.9716 | 41.49173 | 7.3093 | 22.5007 | 44.09837 | 9.91594 | 56.29406 |
| 1/20/2025 | 9:00:00 PM | 34.16905 | 60.33709 | 26.16804 | 21.56196 | 48.14832 | 13.97927 | 24.67073 | 49.53587 | 15.36682 | 23.98318 | 41.47742 | 7.30837 | 22.50163 | 44.08407 | 9.91502 | 56.29498 |
| 1/20/2025 | 10:00:00 PM | 34.16905 | 60.33709 | 26.16804 | 21.56196 | 48.14161 | 13.97256 | 24.67744 | 49.52874 | 15.35969 | 23.99031 | 41.48815 | 7.3191 | 22.4909 | 44.09837 | 9.92932 | 56.28068 |
| 1/20/2025 | 11:00:00 PM | 34.16905 | 60.35851 | 26.18946 | 21.54054 | 48.15168 | 13.98263 | 24.66737 | 49.53944 | 15.37039 | 23.97961 | 41.50246 | 7.33341 | 22.47659 | 44.12696 | 9.95791 | 56.25209 |
| 1/21/2025 | 12:00:00 AM | 34.1724 | 60.35494 | 26.18254 | 21.54746 | 48.15503 | 13.98263 | 24.66737 | 49.53587 | 15.36347 | 23.98653 | 41.49889 | 7.32649 | 22.48351 | 44.12696 | 9.95456 | 56.25544 |
| 1/21/2025 | 1:00:00 AM | 34.16236 | 60.34066 | 26.1783 | 21.5517 | 48.14161 | 13.97925 | 24.67075 | 49.52161 | 15.35925 | 23.99075 | 41.481 | 7.31864 | 22.49136 | 44.12339 | 9.96103 | 56.24897 |
| 1/21/2025 | 2:00:00 AM | 34.17574 | 60.36566 | 26.18992 | 21.54008 | 48.16174 | 13.986 | 24.664 | 49.54657 | 15.37083 | 23.97917 | 41.49531 | 7.31957 | 22.49043 | 44.1484 | 9.97266 | 56.23734 |
| 1/21/2025 | 3:00:00 AM | 34.1724 | 60.36566 | 26.19326 | 21.53674 | 48.1718 | 13.9994 | 24.6506 | 49.55726 | 15.38486 | 23.96514 | 41.50962 | 7.33722 | 22.47278 | 44.15198 | 9.97958 | 56.23042 |
| 1/21/2025 | 4:00:00 AM | 34.1724 | 60.37637 | 26.20397 | 21.52603 | 48.17515 | 14.00275 | 24.64725 | 49.56439 | 15.39199 | 23.95801 | 41.5132 | 7.3408 | 22.4692 | 44.16627 | 9.99387 | 56.21613 |
| 1/21/2025 | 5:00:00 AM | 34.17574 | 60.38351 | 26.20777 | 21.52223 | 48.19192 | 14.01618 | 24.63382 | 49.57152 | 15.39578 | 23.95422 | 41.50246 | 7.32672 | 22.48328 | 44.16627 | 9.99053 | 56.21947 |
| 1/21/2025 | 6:00:00 AM | 34.17908 | 60.38351 | 26.20443 | 21.52557 | 48.19192 | 14.01284 | 24.63716 | 49.57509 | 15.39601 | 23.95399 | 41.50246 | 7.32338 | 22.48662 | 44.16985 | 9.99077 | 56.21923 |
| 1/21/2025 | 7:00:00 AM | 34.19246 | 60.40851 | 26.21605 | 21.51395 | 48.22211 | 14.02965 | 24.62035 | 49.59648 | 15.40402 | 23.94598 | 41.51678 | 7.32432 | 22.48568 | 44.18414 | 9.99168 | 56.21832 |
| 1/21/2025 | 8:00:00 AM | 34.19915 | 60.42636 | 26.22721 | 21.50279 | 48.24894 | 14.04979 | 24.60021 | 49.625 | 15.42585 | 23.92415 | 41.52751 | 7.32836 | 22.48164 | 44.20916 | 10.01001 | 56.19999 |
| 1/21/2025 | 9:00:00 AM | 34.21252 | 60.44422 | 26.2317 | 21.4983 | 48.26571 | 14.05319 | 24.59681 | 49.64283 | 15.43031 | 23.91969 | 41.53109 | 7.31857 | 22.49143 | 44.21631 | 10.00379 | 56.20621 |
| 1/21/2025 | 10:00:00 AM | 34.22924 | 60.46921 | 26.23997 | 21.49003 | 48.3026 | 14.07336 | 24.57664 | 49.66779 | 15.43855 | 23.91145 | 41.5454 | 7.31616 | 22.49384 | 44.24132 | 10.01208 | 56.19792 |
| 1/21/2025 | 11:00:00 AM | 34.24931 | 60.48707 | 26.23776 | 21.49224 | 48.33279 | 14.08348 | 24.56652 | 49.70701 | 15.4577 | 23.8923 | 41.55613 | 7.30682 | 22.50318 | 44.26277 | 10.01346 | 56.19654 |
| 1/21/2025 | 12:00:00 PM | 34.26937 | 60.49064 | 26.22127 | 21.50873 | 48.3462 | 14.07683 | 24.57317 | 49.72127 | 15.4519 | 23.8981 | 41.55971 | 7.29034 | 22.51966 | 44.25919 | 9.98982 | 56.22018 |
| 1/21/2025 | 1:00:00 PM | 34.27941 | 60.48707 | 26.20766 | 21.52234 | 48.33949 | 14.06008 | 24.58992 | 49.70701 | 15.4276 | 23.9224 | 41.54182 | 7.26241 | 22.54759 | 44.2306 | 9.95119 | 56.25881 |
| 1/21/2025 | 2:00:00 PM | 34.28944 | 60.47992 | 26.19048 | 21.53952 | 48.33949 | 14.05005 | 24.59995 | 49.70344 | 15.414 | 23.936 | 41.54182 | 7.25238 | 22.55762 | 44.22345 | 9.93401 | 56.27599 |
| 1/21/2025 | 3:00:00 PM | 34.29947 | 60.4835 | 26.18403 | 21.54597 | 48.35291 | 14.05344 | 24.59656 | 49.70344 | 15.40397 | 23.94603 | 41.55255 | 7.25308 | 22.55692 | 44.21988 | 9.92041 | 56.28959 |
| 1/21/2025 | 4:00:00 PM | 34.28609 | 60.4835 | 26.19741 | 21.53259 | 48.34956 | 14.06347 | 24.58653 | 49.71057 | 15.42448 | 23.92552 | 41.5454 | 7.25931 | 22.55069 | 44.21273 | 9.92664 | 56.28336 |
| 1/21/2025 | 5:00:00 PM | 34.29278 | 60.51206 | 26.21928 | 21.51072 | 48.37303 | 14.08025 | 24.56975 | 49.72483 | 15.43205 | 23.91795 | 41.56687 | 7.27409 | 22.53591 | 44.22703 | 9.93425 | 56.27575 |
| 1/21/2025 | 6:00:00 PM | 34.29613 | 60.53349 | 26.23736 | 21.49264 | 48.39651 | 14.10038 | 24.54962 | 49.75335 | 15.45722 | 23.89278 | 41.5776 | 7.28147 | 22.52853 | 44.2449 | 9.94877 | 56.26123 |
| 1/21/2025 | 7:00:00 PM | 34.29947 | 60.52278 | 26.22331 | 21.50669 | 48.39986 | 14.10039 | 24.54961 | 49.74979 | 15.45032 | 23.89968 | 41.5776 | 7.27813 | 22.53187 | 44.23418 | 9.93471 | 56.27529 |
| 1/21/2025 | 8:00:00 PM | 34.29947 | 60.53349 | 26.23402 | 21.49598 | 48.40657 | 14.1071 | 24.5429 | 49.76048 | 15.46101 | 23.88899 | 41.5776 | 7.27813 | 22.53187 | 44.23418 | 9.93471 | 56.27529 |
| 1/21/2025 | 9:00:00 PM | 34.31285 | 60.55134 | 26.23849 | 21.49151 | 48.41999 | 14.10714 | 24.54286 | 49.76761 | 15.45476 | 23.89524 | 41.59549 | 7.28264 | 22.52736 | 44.24132 | 9.92847 | 56.28153 |
| 1/21/2025 | 10:00:00 PM | 34.32622 | 60.55491 | 26.22869 | 21.50131 | 48.4334 | 14.10718 | 24.54282 | 49.78188 | 15.45566 | 23.89434 | 41.59907 | 7.27285 | 22.53715 | 44.25205 | 9.92583 | 56.28417 |
| 1/21/2025 | 11:00:00 PM | 34.33291 | 60.56205 | 26.22914 | 21.50086 | 48.43676 | 14.10385 | 24.54615 | 49.78901 | 15.4561 | 23.8939 | 41.60264 | 7.26973 | 22.54027 | 44.25205 | 9.91914 | 56.29086 |
| 1/22/2025 | 12:00:00 AM | 34.35297 | 60.58705 | 26.23408 | 21.49592 | 48.46023 | 14.10726 | 24.54274 | 49.80327 | 15.4503 | 23.8997 | 41.62053 | 7.26756 | 22.54244 | 44.25919 | 9.90622 | 56.30378 |
| 1/22/2025 | 1:00:00 AM | 34.36301 | 60.59776 | 26.23475 | 21.49525 | 48.4703 | 14.10729 | 24.54271 | 49.81396 | 15.45095 | 23.89905 | 41.62769 | 7.26468 | 22.54532 | 44.26634 | 9.90333 | 56.30667 |
| 1/22/2025 | 2:00:00 AM | 34.36969 | 60.60133 | 26.23164 | 21.49836 | 48.48036 | 14.11067 | 24.53933 | 49.82109 | 15.4514 | 23.8986 | 41.62053 | 7.25084 | 22.55916 | 44.26634 | 9.89665 | 56.31335 |
| 1/22/2025 | 3:00:00 AM | 34.37304 | 60.60133 | 26.22829 | 21.50171 | 48.48036 | 14.10732 | 24.54268 | 49.82109 | 15.44805 | 23.90195 | 41.63127 | 7.25823 | 22.55177 | 44.25919 | 9.88615 | 56.32385 |
| 1/22/2025 | 4:00:00 AM | 34.37973 | 60.61205 | 26.23232 | 21.49768 | 48.49377 | 14.11404 | 24.53596 | 49.82109 | 15.44136 | 23.90864 | 41.62769 | 7.24796 | 22.56204 | 44.25562 | 9.87589 | 56.33411 |
| 1/22/2025 | 5:00:00 AM | 34.37973 | 60.60848 | 26.22875 | 21.50125 | 48.48036 | 14.10063 | 24.54937 | 49.81396 | 15.43423 | 23.91577 | 41.63127 | 7.25154 | 22.55846 | 44.24847 | 9.86874 | 56.34126 |
| 1/22/2025 | 6:00:00 AM | 34.37638 | 60.59776 | 26.22138 | 21.50862 | 48.477 | 14.10062 | 24.54938 | 49.8104 | 15.43402 | 23.91598 | 41.63127 | 7.25489 | 22.55511 | 44.24847 | 9.87209 | 56.33791 |
| 1/22/2025 | 7:00:00 AM | 34.38976 | 60.61919 | 26.22943 | 21.50057 | 48.49377 | 14.10401 | 24.54599 | 49.83179 | 15.44203 | 23.90797 | 41.64558 | 7.25582 | 22.55418 | 44.25205 | 9.86229 | 56.34771 |
| 1/22/2025 | 8:00:00 AM | 34.39979 | 60.63347 | 26.23368 | 21.49632 | 48.50383 | 14.10404 | 24.54596 | 49.83535 | 15.43556 | 23.91444 | 41.64915 | 7.24936 | 22.56064 | 44.25562 | 9.85583 | 56.35417 |
| 1/22/2025 | 9:00:00 AM | 34.40313 | 60.63347 | 26.23034 | 21.49966 | 48.50383 | 14.1007 | 24.5493 | 49.84605 | 15.44292 | 23.90708 | 41.65989 | 7.25676 | 22.55324 | 44.26634 | 9.86321 | 56.34679 |
| 1/22/2025 | 10:00:00 AM | 34.41651 | 60.63347 | 26.21696 | 21.51304 | 48.5206 | 14.10409 | 24.54591 | 49.84962 | 15.43311 | 23.91689 | 41.66347 | 7.24696 | 22.56304 | 44.26634 | 9.84983 | 56.36017 |
| 1/22/2025 | 11:00:00 AM | 34.42989 | 60.6299 | 26.20001 | 21.52999 | 48.50719 | 14.0773 | 24.5727 | 49.83179 | 15.4019 | 23.9481 | 41.65631 | 7.22642 | 22.58358 | 44.24847 | 9.81858 | 56.39142 |
| 1/22/2025 | 12:00:00 PM | 34.44661 | 60.60848 | 26.16187 | 21.56813 | 48.48706 | 14.04045 | 24.60955 | 49.81753 | 15.37092 | 23.97908 | 41.64915 | 7.20254 | 22.60746 | 44.23775 | 9.79114 | 56.41886 |
| 1/22/2025 | 1:00:00 PM | 34.45664 | 60.60133 | 26.14469 | 21.58531 | 48.46359 | 14.00695 | 24.64305 | 49.79614 | 15.3395 | 24.0105 | 41.642 | 7.18536 | 22.62464 | 44.21631 | 9.75967 | 56.45033 |
| 1/22/2025 | 2:00:00 PM | 34.45664 | 60.57634 | 26.1197 | 21.6103 | 48.43676 | 13.98012 | 24.66988 | 49.77831 | 15.32167 | 24.02833 | 41.63842 | 7.18178 | 22.62822 | 44.19486 | 9.73822 | 56.47178 |
| 1/22/2025 | 3:00:00 PM | 34.44995 | 60.59419 | 26.14424 | 21.58576 | 48.44682 | 13.99687 | 24.65313 | 49.78544 | 15.33549 | 24.01451 | 41.65631 | 7.20636 | 22.60364 | 44.20201 | 9.75206 | 56.45794 |
| 1/22/2025 | 4:00:00 PM | 34.43992 | 60.58348 | 26.14356 | 21.58644 | 48.43676 | 13.99684 | 24.65316 | 49.77118 | 15.33126 | 24.01874 | 41.66347 | 7.22355 | 22.58645 | 44.21273 | 9.77281 | 56.43719 |
| 1/22/2025 | 5:00:00 PM | 34.43657 | 60.59062 | 26.15405 | 21.57595 | 48.43676 | 14.00019 | 24.64981 | 49.77118 | 15.33461 | 24.01539 | 41.65631 | 7.21974 | 22.59026 | 44.21631 | 9.77974 | 56.43026 |
| 1/22/2025 | 6:00:00 PM | 34.4232 | 60.58348 | 26.16028 | 21.56972 | 48.43005 | 14.00685 | 24.64315 | 49.76761 | 15.34441 | 24.00559 | 41.65989 | 7.23669 | 22.57331 | 44.21988 | 9.79668 | 56.41332 |
| 1/22/2025 | 7:00:00 PM | 34.42654 | 60.59062 | 26.16408 | 21.56592 | 48.43005 | 14.00351 | 24.64649 | 49.75692 | 15.33038 | 24.01962 | 41.66347 | 7.23693 | 22.57307 | 44.22345 | 9.79691 | 56.41309 |
| 1/22/2025 | 8:00:00 PM | 34.41985 | 60.59062 | 26.17077 | 21.55923 | 48.4334 | 14.01355 | 24.63645 | 49.76761 | 15.34776 | 24.00224 | 41.6742 | 7.25435 | 22.55565 | 44.22703 | 9.80718 | 56.40282 |
| 1/22/2025 | 9:00:00 PM | 34.41651 | 60.59419 | 26.17768 | 21.55232 | 48.42669 | 14.01018 | 24.63982 | 49.76048 | 15.34397 | 24.00603 | 41.67062 | 7.25411 | 22.55589 | 44.22345 | 9.80694 | 56.40306 |
| 1/22/2025 | 10:00:00 PM | 34.41317 | 60.58705 | 26.17388 | 21.55612 | 48.41663 | 14.00346 | 24.64654 | 49.74979 | 15.33662 | 24.01338 | 41.66347 | 7.2503 | 22.5597 | 44.21988 | 9.80671 | 56.40329 |
| 1/22/2025 | 11:00:00 PM | 34.40648 | 60.59062 | 26.18414 | 21.54586 | 48.42334 | 14.01686 | 24.63314 | 49.74979 | 15.34331 | 24.00669 | 41.66347 | 7.25699 | 22.55301 | 44.23418 | 9.8277 | 56.3823 |
| 1/23/2025 | 12:00:00 AM | 34.40648 | 60.58705 | 26.18057 | 21.54943 | 48.41663 | 14.01015 | 24.63985 | 49.74622 | 15.33974 | 24.01026 | 41.67062 | 7.26414 | 22.54586 | 44.23418 | 9.8277 | 56.3823 |
| 1/23/2025 | 1:00:00 AM | 34.37638 | 60.59062 | 26.21424 | 21.51576 | 48.41328 | 14.0369 | 24.6131 | 49.74979 | 15.37341 | 23.97659 | 41.65989 | 7.28351 | 22.52649 | 44.2306 | 9.85422 | 56.35578 |
| 1/23/2025 | 2:00:00 AM | 34.35966 | 60.56205 | 26.20239 | 21.52761 | 48.38645 | 14.02679 | 24.62321 | 49.7177 | 15.35804 | 23.99196 | 41.642 | 7.28234 | 22.52766 | 44.21273 | 9.85307 | 56.35693 |
| 1/23/2025 | 3:00:00 AM | 34.34629 | 60.53706 | 26.19077 | 21.53923 | 48.36968 | 14.02339 | 24.62661 | 49.69631 | 15.35002 | 23.99998 | 41.642 | 7.29571 | 22.51429 | 44.20559 | 9.8593 | 56.3507 |
| 1/23/2025 | 4:00:00 AM | 34.34294 | 60.52992 | 26.18698 | 21.54302 | 48.35291 | 14.00997 | 24.64003 | 49.67848 | 15.33554 | 24.01446 | 41.63484 | 7.2919 | 22.5181 | 44.19486 | 9.85192 | 56.35808 |
| 1/23/2025 | 5:00:00 AM | 34.33625 | 60.54063 | 26.20438 | 21.52562 | 48.34285 | 14.0066 | 24.6434 | 49.66779 | 15.33154 | 24.01846 | 41.642 | 7.30575 | 22.50425 | 44.20201 | 9.86576 | 56.34424 |
| 1/23/2025 | 6:00:00 AM | 34.32288 | 60.50849 | 26.18561 | 21.54439 | 48.31266 | 13.98978 | 24.66022 | 49.63927 | 15.31639 | 24.03361 | 41.61695 | 7.29407 | 22.51593 | 44.18057 | 9.85769 | 56.35231 |
| 1/23/2025 | 7:00:00 AM | 34.32622 | 60.5192 | 26.19298 | 21.53702 | 48.31937 | 13.99315 | 24.65685 | 49.64283 | 15.31661 | 24.03339 | 41.63484 | 7.30862 | 22.50138 | 44.19844 | 9.87222 | 56.33778 |
| 1/23/2025 | 8:00:00 AM | 34.32288 | 60.52278 | 26.1999 | 21.5301 | 48.32608 | 14.0032 | 24.6468 | 49.65353 | 15.33065 | 24.01935 | 41.642 | 7.31912 | 22.49088 | 44.21273 | 9.88985 | 56.32015 |
| 1/23/2025 | 9:00:00 AM | 34.31619 | 60.49778 | 26.18159 | 21.54841 | 48.29254 | 13.97635 | 24.67365 | 49.625 | 15.30881 | 24.04119 | 41.62053 | 7.30434 | 22.50566 | 44.18772 | 9.87153 | 56.33847 |
| 1/23/2025 | 10:00:00 AM | 34.32622 | 60.50135 | 26.17513 | 21.55487 | 48.29925 | 13.97303 | 24.67697 | 49.625 | 15.29878 | 24.05122 | 41.62053 | 7.29431 | 22.51569 | 44.19844 | 9.87222 | 56.33778 |
| 1/23/2025 | 11:00:00 AM | 34.32622 | 60.49421 | 26.16799 | 21.56201 | 48.28248 | 13.95626 | 24.69374 | 49.61787 | 15.29165 | 24.05835 | 41.62411 | 7.29789 | 22.51211 | 44.20201 | 9.87579 | 56.33421 |
| 1/23/2025 | 12:00:00 PM | 34.33625 | 60.47635 | 26.1401 | 21.5899 | 48.26571 | 13.92946 | 24.72054 | 49.59292 | 15.25667 | 24.09333 | 41.60622 | 7.26997 | 22.54003 | 44.18772 | 9.85147 | 56.35853 |
| 1/23/2025 | 1:00:00 PM | 34.31953 | 60.44422 | 26.12469 | 21.60531 | 48.23217 | 13.91264 | 24.73736 | 49.56796 | 15.24843 | 24.10157 | 41.58833 | 7.2688 | 22.5412 | 44.16985 | 9.85032 | 56.35968 |
| 1/23/2025 | 2:00:00 PM | 34.31619 | 60.41565 | 26.09946 | 21.63054 | 48.19192 | 13.87573 | 24.77427 | 49.53231 | 15.21612 | 24.13388 | 41.56687 | 7.25068 | 22.55932 | 44.14483 | 9.82864 | 56.38136 |
| 1/23/2025 | 3:00:00 PM | 34.31619 | 60.40851 | 26.09232 | 21.63768 | 48.17515 | 13.85896 | 24.79104 | 49.51448 | 15.19829 | 24.15171 | 41.57044 | 7.25425 | 22.55575 | 44.14483 | 9.82864 | 56.38136 |
| 1/23/2025 | 4:00:00 PM | 34.3095 | 60.40137 | 26.09187 | 21.63813 | 48.1718 | 13.8623 | 24.7877 | 49.51092 | 15.20142 | 24.14858 | 41.5776 | 7.2681 | 22.5419 | 44.15555 | 9.84605 | 56.36395 |
| 1/23/2025 | 5:00:00 PM | 34.30281 | 60.39422 | 26.09141 | 21.63859 | 48.15838 | 13.85557 | 24.79443 | 49.50378 | 15.20097 | 24.14903 | 41.57402 | 7.27121 | 22.53879 | 44.1627 | 9.85989 | 56.35011 |
| 1/23/2025 | 6:00:00 PM | 34.29613 | 60.39779 | 26.10166 | 21.62834 | 48.14832 | 13.85219 | 24.79781 | 49.48596 | 15.18983 | 24.16017 | 41.56687 | 7.27074 | 22.53926 | 44.1627 | 9.86657 | 56.34343 |
| 1/23/2025 | 7:00:00 PM | 34.29613 | 60.39065 | 26.09452 | 21.63548 | 48.15168 | 13.85555 | 24.79445 | 49.49309 | 15.19696 | 24.15304 | 41.56329 | 7.26716 | 22.54284 | 44.16985 | 9.87372 | 56.33628 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/23/2025 | 8:00:00 PM | 34.29278 | 60.38351 | 26.09073 | 21.63927 | 48.14832 | 13.85554 | 24.79446 | 49.49309 | 15.20031 | 24.14969 | 41.56329 | 7.27051 | 22.53949 | 44.18414 | 9.89136 | 56.31864 |
| 1/23/2025 | 9:00:00 PM | 34.28944 | 60.39422 | 26.10478 | 21.62522 | 48.14161 | 13.85217 | 24.79783 | 49.48952 | 15.20008 | 24.14992 | 41.55971 | 7.27027 | 22.53973 | 44.18772 | 9.89828 | 56.31172 |
| 1/23/2025 | 10:00:00 PM | 34.28944 | 60.38708 | 26.09764 | 21.63236 | 48.14497 | 13.85553 | 24.79447 | 49.48952 | 15.20008 | 24.14992 | 41.55613 | 7.26669 | 22.54331 | 44.19486 | 9.90542 | 56.30458 |
| 1/23/2025 | 11:00:00 PM | 34.29278 | 60.38351 | 26.09073 | 21.63927 | 48.14161 | 13.84883 | 24.80117 | 49.48596 | 15.19318 | 24.15682 | 41.5454 | 7.25262 | 22.55738 | 44.19486 | 9.90208 | 56.30792 |
| 1/24/2025 | 12:00:00 AM | 34.29947 | 60.39422 | 26.09475 | 21.63525 | 48.15838 | 13.85891 | 24.79109 | 49.50022 | 15.20075 | 24.14925 | 41.54898 | 7.24951 | 22.56049 | 44.19844 | 9.89897 | 56.31103 |
| 1/24/2025 | 1:00:00 AM | 34.28944 | 60.37637 | 26.08693 | 21.64307 | 48.14497 | 13.85553 | 24.79447 | 49.48952 | 15.20008 | 24.14992 | 41.53824 | 7.2488 | 22.5612 | 44.20201 | 9.91257 | 56.29743 |
| 1/24/2025 | 2:00:00 AM | 34.28944 | 60.38351 | 26.09407 | 21.63593 | 48.14497 | 13.85553 | 24.79447 | 49.48596 | 15.19652 | 24.15348 | 41.53824 | 7.2488 | 22.5612 | 44.19844 | 9.909 | 56.301 |
| 1/24/2025 | 3:00:00 AM | 34.29947 | 60.39422 | 26.09475 | 21.63525 | 48.16174 | 13.86227 | 24.78773 | 49.50378 | 15.20431 | 24.14569 | 41.54182 | 7.24235 | 22.56765 | 44.21631 | 9.91684 | 56.29316 |
| 1/24/2025 | 4:00:00 AM | 34.28609 | 60.37994 | 26.09385 | 21.63615 | 48.15503 | 13.86894 | 24.78106 | 49.48952 | 15.20343 | 24.14657 | 41.53109 | 7.245 | 22.565 | 44.20916 | 9.92307 | 56.28693 |
| 1/24/2025 | 5:00:00 AM | 34.27606 | 60.37637 | 26.10031 | 21.62969 | 48.15168 | 13.87562 | 24.77438 | 49.47526 | 15.1992 | 24.1508 | 41.52035 | 7.24429 | 22.56571 | 44.19844 | 9.92238 | 56.28762 |
| 1/24/2025 | 6:00:00 AM | 34.26603 | 60.36209 | 26.09606 | 21.63394 | 48.13491 | 13.86888 | 24.78112 | 49.46457 | 15.19854 | 24.15146 | 41.5132 | 7.24717 | 22.56283 | 44.18414 | 9.91811 | 56.29189 |
| 1/24/2025 | 7:00:00 AM | 34.26269 | 60.36566 | 26.10297 | 21.62703 | 48.14497 | 13.88228 | 24.76772 | 49.4717 | 15.20901 | 24.14099 | 41.52035 | 7.25766 | 22.55234 | 44.19129 | 9.9286 | 56.2814 |
| 1/24/2025 | 8:00:00 AM | 34.27272 | 60.37637 | 26.10365 | 21.62635 | 48.16174 | 13.88902 | 24.76098 | 49.48596 | 15.21324 | 24.13676 | 41.52751 | 7.25479 | 22.55521 | 44.21273 | 9.94001 | 56.26999 |
| 1/24/2025 | 9:00:00 AM | 34.27606 | 60.38708 | 26.11102 | 21.61898 | 48.1718 | 13.89574 | 24.75426 | 49.49665 | 15.22059 | 24.12941 | 41.53824 | 7.26218 | 22.54782 | 44.22703 | 9.95097 | 56.25903 |
| 1/24/2025 | 10:00:00 AM | 34.28609 | 60.39422 | 26.10813 | 21.62187 | 48.17851 | 13.89242 | 24.75758 | 49.50378 | 15.21769 | 24.13231 | 41.52751 | 7.24142 | 22.56858 | 44.21988 | 9.93379 | 56.27621 |
| 1/24/2025 | 11:00:00 AM | 34.30616 | 60.39422 | 26.08806 | 21.64194 | 48.18857 | 13.88241 | 24.76759 | 49.51092 | 15.20476 | 24.14524 | 41.52751 | 7.22135 | 22.58865 | 44.22703 | 9.92087 | 56.28913 |
| 1/24/2025 | 12:00:00 PM | 34.32288 | 60.36566 | 26.04278 | 21.68722 | 48.16509 | 13.84221 | 24.80779 | 49.47883 | 15.15595 | 24.19405 | 41.50604 | 7.18316 | 22.62684 | 44.20201 | 9.87913 | 56.33087 |
| 1/24/2025 | 1:00:00 PM | 34.34963 | 60.35851 | 26.00888 | 21.72112 | 48.15503 | 13.8054 | 24.8446 | 49.47883 | 15.1292 | 24.2208 | 41.49531 | 7.14568 | 22.66432 | 44.19486 | 9.84523 | 56.36477 |
| 1/24/2025 | 2:00:00 PM | 34.34629 | 60.33352 | 25.98723 | 21.74277 | 48.12485 | 13.77856 | 24.87144 | 49.45744 | 15.11115 | 24.23885 | 41.48458 | 7.13829 | 22.67171 | 44.16985 | 9.82356 | 56.38644 |
| 1/24/2025 | 3:00:00 PM | 34.33625 | 60.33709 | 26.00084 | 21.72916 | 48.11814 | 13.78189 | 24.86811 | 49.44674 | 15.11049 | 24.23951 | 41.48815 | 7.1519 | 22.6581 | 44.17342 | 9.83717 | 56.37283 |
| 1/24/2025 | 4:00:00 PM | 34.31285 | 60.32638 | 26.01353 | 21.71647 | 48.11143 | 13.79858 | 24.85142 | 49.43961 | 15.12676 | 24.22324 | 41.48815 | 7.1753 | 22.6347 | 44.16627 | 9.85342 | 56.35658 |
| 1/24/2025 | 5:00:00 PM | 34.31285 | 60.33352 | 26.02067 | 21.70933 | 48.11814 | 13.80529 | 24.84471 | 49.43961 | 15.12676 | 24.22324 | 41.49531 | 7.18246 | 22.62754 | 44.17699 | 9.86414 | 56.34586 |
| 1/24/2025 | 6:00:00 PM | 34.29613 | 60.34066 | 26.04453 | 21.68547 | 48.12485 | 13.82872 | 24.82128 | 49.44674 | 15.15061 | 24.19939 | 41.48815 | 7.19202 | 22.61798 | 44.18414 | 9.88801 | 56.32199 |
| 1/24/2025 | 7:00:00 PM | 34.29613 | 60.34066 | 26.04453 | 21.68547 | 48.12149 | 13.82536 | 24.82464 | 49.45031 | 15.15418 | 24.19582 | 41.49531 | 7.19918 | 22.61082 | 44.18772 | 9.89159 | 56.31841 |
| 1/24/2025 | 8:00:00 PM | 34.28944 | 60.35137 | 26.06193 | 21.66807 | 48.1282 | 13.83876 | 24.81124 | 49.45744 | 15.168 | 24.182 | 41.48815 | 7.19871 | 22.61129 | 44.19486 | 9.90542 | 56.30458 |
| 1/24/2025 | 9:00:00 PM | 34.28275 | 60.3478 | 26.06505 | 21.66495 | 48.13826 | 13.85551 | 24.79449 | 49.45387 | 15.17112 | 24.17888 | 41.49173 | 7.20898 | 22.60102 | 44.19486 | 9.91211 | 56.29789 |
| 1/24/2025 | 10:00:00 PM | 34.28275 | 60.34423 | 26.06148 | 21.66852 | 48.13155 | 13.8488 | 24.8012 | 49.45744 | 15.17469 | 24.17531 | 41.48815 | 7.2054 | 22.6046 | 44.19486 | 9.91211 | 56.29789 |
| 1/24/2025 | 11:00:00 PM | 34.28275 | 60.36566 | 26.08291 | 21.64709 | 48.15168 | 13.86893 | 24.78107 | 49.46457 | 15.18182 | 24.16818 | 41.49173 | 7.20898 | 22.60102 | 44.20916 | 9.92641 | 56.28359 |
| 1/25/2025 | 12:00:00 AM | 34.28944 | 60.36923 | 26.07979 | 21.65021 | 48.16174 | 13.8723 | 24.7777 | 49.4717 | 15.18226 | 24.16774 | 41.49531 | 7.20587 | 22.60413 | 44.21273 | 9.92329 | 56.28671 |
| 1/25/2025 | 1:00:00 AM | 34.27941 | 60.3478 | 26.06839 | 21.66161 | 48.14832 | 13.86891 | 24.78109 | 49.461 | 15.18159 | 24.16841 | 41.47742 | 7.19801 | 22.61199 | 44.19129 | 9.91188 | 56.29812 |
| 1/25/2025 | 2:00:00 AM | 34.27606 | 60.36923 | 26.09317 | 21.63683 | 48.15838 | 13.88232 | 24.76768 | 49.4717 | 15.19564 | 24.15436 | 41.48458 | 7.20852 | 22.60148 | 44.20559 | 9.92953 | 56.28047 |
| 1/25/2025 | 3:00:00 AM | 34.27606 | 60.36923 | 26.09317 | 21.63683 | 48.16174 | 13.88568 | 24.76432 | 49.47883 | 15.20277 | 24.14723 | 41.48815 | 7.21209 | 22.59791 | 44.20559 | 9.92953 | 56.28047 |
| 1/25/2025 | 4:00:00 AM | 34.26603 | 60.35494 | 26.08891 | 21.64109 | 48.15503 | 13.889 | 24.761 | 49.461 | 15.19497 | 24.15503 | 41.47384 | 7.20781 | 22.60219 | 44.19129 | 9.92526 | 56.28474 |
| 1/25/2025 | 5:00:00 AM | 34.25934 | 60.35137 | 26.09203 | 21.63797 | 48.13826 | 13.87892 | 24.77108 | 49.45031 | 15.19097 | 24.15903 | 41.46311 | 7.20377 | 22.60623 | 44.18414 | 9.9248 | 56.2852 |
| 1/25/2025 | 6:00:00 AM | 34.25265 | 60.32995 | 26.0773 | 21.6527 | 48.12485 | 13.8722 | 24.7778 | 49.43604 | 15.18339 | 24.16661 | 41.46311 | 7.21046 | 22.59954 | 44.17699 | 9.92434 | 56.28566 |
| 1/25/2025 | 7:00:00 AM | 34.24931 | 60.32995 | 26.08064 | 21.64936 | 48.1282 | 13.87889 | 24.77111 | 49.43604 | 15.18673 | 24.16327 | 41.46311 | 7.2138 | 22.5962 | 44.16627 | 9.91696 | 56.29304 |
| 1/25/2025 | 8:00:00 AM | 34.24596 | 60.33709 | 26.09113 | 21.63887 | 48.11814 | 13.87218 | 24.77782 | 49.43604 | 15.19008 | 24.15992 | 41.47026 | 7.2243 | 22.5857 | 44.17699 | 9.93103 | 56.27897 |
| 1/25/2025 | 9:00:00 AM | 34.24931 | 60.34423 | 26.09492 | 21.63508 | 48.13826 | 13.88895 | 24.76105 | 49.44318 | 15.19387 | 24.15613 | 41.47742 | 7.22811 | 22.58189 | 44.18414 | 9.93483 | 56.27517 |
| 1/25/2025 | 10:00:00 AM | 34.25934 | 60.35494 | 26.0956 | 21.6344 | 48.14161 | 13.88227 | 24.76773 | 49.45744 | 15.1981 | 24.1519 | 41.47384 | 7.2145 | 22.5955 | 44.19486 | 9.93552 | 56.27448 |
| 1/25/2025 | 11:00:00 AM | 34.28275 | 60.3478 | 26.06505 | 21.66495 | 48.14832 | 13.86557 | 24.78443 | 49.45744 | 15.17469 | 24.17531 | 41.46669 | 7.18394 | 22.62606 | 44.19844 | 9.91569 | 56.29431 |
| 1/25/2025 | 12:00:00 PM | 34.30281 | 60.32638 | 26.02357 | 21.70643 | 48.12149 | 13.81868 | 24.83132 | 49.42891 | 15.1261 | 24.2239 | 41.44522 | 7.14241 | 22.66759 | 44.1627 | 9.85989 | 56.35011 |
| 1/25/2025 | 1:00:00 PM | 34.31619 | 60.30852 | 25.99233 | 21.73767 | 48.09801 | 13.78182 | 24.86818 | 49.41109 | 15.0949 | 24.2551 | 41.43806 | 7.12187 | 22.68813 | 44.14483 | 9.82864 | 56.38136 |
| 1/25/2025 | 2:00:00 PM | 34.33291 | 60.30495 | 25.97204 | 21.75796 | 48.09131 | 13.7584 | 24.8916 | 49.40396 | 15.07105 | 24.27895 | 41.4488 | 7.11589 | 22.69411 | 44.14483 | 9.81192 | 56.39808 |
| 1/25/2025 | 3:00:00 PM | 34.31285 | 60.30138 | 25.98853 | 21.74147 | 48.08795 | 13.7751 | 24.8749 | 49.39326 | 15.08041 | 24.26959 | 41.43806 | 7.12521 | 22.68479 | 44.15198 | 9.83913 | 56.37087 |
| 1/25/2025 | 4:00:00 PM | 34.30281 | 60.31566 | 26.01285 | 21.71715 | 48.09801 | 13.7952 | 24.8548 | 49.40396 | 15.10115 | 24.24885 | 41.45238 | 7.14957 | 22.66043 | 44.1627 | 9.85989 | 56.35011 |
| 1/25/2025 | 5:00:00 PM | 34.29278 | 60.31209 | 26.01931 | 21.71069 | 48.0846 | 13.79182 | 24.85818 | 49.39683 | 15.10405 | 24.24595 | 41.44164 | 7.14886 | 22.66114 | 44.15912 | 9.86634 | 56.34366 |
| 1/25/2025 | 6:00:00 PM | 34.28609 | 60.30852 | 26.02243 | 21.70757 | 48.09131 | 13.80522 | 24.84478 | 49.40752 | 15.12143 | 24.22857 | 41.44164 | 7.15555 | 22.65445 | 44.16627 | 9.88018 | 56.32982 |
| 1/25/2025 | 7:00:00 PM | 34.27272 | 60.30495 | 26.03223 | 21.69777 | 48.08795 | 13.81523 | 24.83477 | 49.39326 | 15.12054 | 24.22946 | 41.44164 | 7.16892 | 22.64108 | 44.15912 | 9.8864 | 56.3236 |
| 1/25/2025 | 8:00:00 PM | 34.24596 | 60.31566 | 26.0697 | 21.6603 | 48.10137 | 13.85541 | 24.79459 | 49.41109 | 15.16513 | 24.18487 | 41.44522 | 7.19926 | 22.61074 | 44.16985 | 9.92389 | 56.28611 |
| 1/25/2025 | 9:00:00 PM | 34.24596 | 60.31209 | 26.06613 | 21.66387 | 48.11478 | 13.86882 | 24.78118 | 49.41109 | 15.16513 | 24.18487 | 41.44164 | 7.19568 | 22.61432 | 44.17342 | 9.92746 | 56.28254 |
| 1/25/2025 | 10:00:00 PM | 34.24262 | 60.31566 | 26.07304 | 21.65696 | 48.11143 | 13.86881 | 24.78119 | 49.41822 | 15.1756 | 24.1744 | 41.44164 | 7.19902 | 22.61098 | 44.18057 | 9.93795 | 56.27205 |
| 1/25/2025 | 11:00:00 PM | 34.24262 | 60.32281 | 26.08019 | 21.64981 | 48.11814 | 13.87552 | 24.77448 | 49.41822 | 15.1756 | 24.1744 | 41.44164 | 7.19902 | 22.61098 | 44.17699 | 9.93437 | 56.27563 |
| 1/26/2025 | 12:00:00 AM | 34.24931 | 60.33709 | 26.08778 | 21.64222 | 48.13155 | 13.88224 | 24.76776 | 49.43248 | 15.18317 | 24.16683 | 41.44522 | 7.19591 | 22.61409 | 44.18772 | 9.93841 | 56.27159 |
| 1/26/2025 | 1:00:00 AM | 34.24262 | 60.32638 | 26.08376 | 21.64624 | 48.12485 | 13.88223 | 24.76777 | 49.42178 | 15.17916 | 24.17084 | 41.43806 | 7.19544 | 22.61456 | 44.17699 | 9.93437 | 56.27563 |
| 1/26/2025 | 2:00:00 AM | 34.23593 | 60.31924 | 26.08331 | 21.64669 | 48.11478 | 13.87885 | 24.77115 | 49.41465 | 15.17872 | 24.17128 | 41.42733 | 7.1914 | 22.6186 | 44.16985 | 9.93392 | 56.27608 |
| 1/26/2025 | 3:00:00 AM | 34.23593 | 60.32281 | 26.08688 | 21.64312 | 48.12485 | 13.88892 | 24.76108 | 49.41822 | 15.18229 | 24.16771 | 41.43449 | 7.19856 | 22.61144 | 44.17699 | 9.94106 | 56.26894 |
| 1/26/2025 | 4:00:00 AM | 34.23593 | 60.32995 | 26.09402 | 21.63598 | 48.1282 | 13.89227 | 24.75773 | 49.43248 | 15.19655 | 24.15345 | 41.43449 | 7.19856 | 22.61144 | 44.18057 | 9.94464 | 56.26536 |
| 1/26/2025 | 5:00:00 AM | 34.2259 | 60.32281 | 26.09691 | 21.63309 | 48.11814 | 13.89224 | 24.75776 | 49.40396 | 15.17806 | 24.17194 | 41.42733 | 7.20143 | 22.60857 | 44.15555 | 9.92965 | 56.28035 |
| 1/26/2025 | 6:00:00 AM | 34.23259 | 60.32995 | 26.09736 | 21.63264 | 48.11814 | 13.88555 | 24.76445 | 49.41465 | 15.18206 | 24.16794 | 41.43806 | 7.20547 | 22.60453 | 44.16627 | 9.93368 | 56.27632 |
| 1/26/2025 | 7:00:00 AM | 34.22256 | 60.32281 | 26.10025 | 21.62975 | 48.11143 | 13.88887 | 24.76113 | 49.40752 | 15.18496 | 24.16504 | 41.43449 | 7.21193 | 22.59807 | 44.1627 | 9.94014 | 56.26986 |
| 1/26/2025 | 8:00:00 AM | 34.2259 | 60.33352 | 26.10762 | 21.62238 | 48.1282 | 13.9023 | 24.7477 | 49.42178 | 15.19588 | 24.15412 | 41.44164 | 7.21574 | 22.59426 | 44.18057 | 9.95467 | 56.25533 |
| 1/26/2025 | 9:00:00 AM | 34.23593 | 60.33709 | 26.10116 | 21.62884 | 48.14497 | 13.90904 | 24.74096 | 49.42535 | 15.18942 | 24.16058 | 41.44164 | 7.20571 | 22.60429 | 44.18414 | 9.94821 | 56.26179 |
| 1/26/2025 | 10:00:00 AM | 34.24931 | 60.35851 | 26.1092 | 21.6208 | 48.15503 | 13.90572 | 24.74428 | 49.44674 | 15.19743 | 24.15257 | 41.4488 | 7.19949 | 22.61051 | 44.19486 | 9.94555 | 56.26445 |
| 1/26/2025 | 11:00:00 AM | 34.26603 | 60.35137 | 26.08534 | 21.64466 | 48.15168 | 13.88565 | 24.76435 | 49.44318 | 15.17715 | 24.17285 | 41.44164 | 7.17561 | 22.63439 | 44.18414 | 9.91811 | 56.29189 |
| 1/26/2025 | 12:00:00 PM | 34.28944 | 60.33352 | 26.04408 | 21.68592 | 48.13491 | 13.84547 | 24.80453 | 49.42535 | 15.13591 | 24.21409 | 41.42375 | 7.13431 | 22.67569 | 44.15912 | 9.86968 | 56.34032 |
| 1/26/2025 | 1:00:00 PM | 34.31619 | 60.31924 | 26.00305 | 21.72695 | 48.11814 | 13.80195 | 24.84805 | 49.40752 | 15.09133 | 24.25867 | 41.42375 | 7.10756 | 22.70244 | 44.14483 | 9.82864 | 56.38136 |
| 1/26/2025 | 2:00:00 PM | 34.32622 | 60.30495 | 25.97873 | 21.75127 | 48.10808 | 13.78186 | 24.86814 | 49.39326 | 15.06704 | 24.28296 | 41.4166 | 7.09038 | 22.71962 | 44.13411 | 9.80789 | 56.40211 |
| 1/26/2025 | 3:00:00 PM | 34.30616 | 60.29781 | 25.99165 | 21.73835 | 48.08795 | 13.78179 | 24.86821 | 49.379 | 15.07284 | 24.27716 | 41.41302 | 7.10686 | 22.70314 | 44.13053 | 9.82437 | 56.38563 |
| 1/26/2025 | 4:00:00 PM | 34.29613 | 60.31209 | 26.01596 | 21.71404 | 48.10137 | 13.80524 | 24.84476 | 49.3897 | 15.09357 | 24.25643 | 41.42733 | 7.1312 | 22.6788 | 44.1484 | 9.85227 | 56.35773 |
| 1/26/2025 | 5:00:00 PM | 34.28275 | 60.30495 | 26.0222 | 21.7078 | 48.09466 | 13.81191 | 24.83809 | 49.379 | 15.09625 | 24.25375 | 41.42018 | 7.13743 | 22.67257 | 44.13411 | 9.85136 | 56.35864 |
| 1/26/2025 | 6:00:00 PM | 34.27606 | 60.30495 | 26.02889 | 21.70111 | 48.08795 | 13.81189 | 24.83811 | 49.379 | 15.10294 | 24.24706 | 41.42375 | 7.14769 | 22.66231 | 44.13768 | 9.86162 | 56.34838 |
| 1/26/2025 | 7:00:00 PM | 34.27272 | 60.31566 | 26.04294 | 21.68706 | 48.10472 | 13.832 | 24.818 | 49.3897 | 15.11698 | 24.23302 | 41.42733 | 7.15461 | 22.65539 | 44.15198 | 9.87926 | 56.33074 |
| 1/26/2025 | 8:00:00 PM | 34.26603 | 60.32638 | 26.06035 | 21.66965 | 48.11143 | 13.8454 | 24.8046 | 49.39326 | 15.12723 | 24.22277 | 41.43091 | 7.16488 | 22.64512 | 44.16627 | 9.90024 | 56.30976 |
| 1/26/2025 | 9:00:00 PM | 34.26603 | 60.33709 | 26.07106 | 21.65894 | 48.12149 | 13.85546 | 24.79454 | 49.41109 | 15.14506 | 24.20494 | 41.42733 | 7.1613 | 22.6487 | 44.16627 | 9.90024 | 56.30976 |
| 1/26/2025 | 10:00:00 PM | 34.26603 | 60.33352 | 26.06749 | 21.66251 | 48.12485 | 13.85882 | 24.79118 | 49.40752 | 15.14149 | 24.20851 | 41.42733 | 7.1613 | 22.6487 | 44.16627 | 9.90024 | 56.30976 |
| 1/26/2025 | 11:00:00 PM | 34.25934 | 60.34066 | 26.08132 | 21.64868 | 48.13155 | 13.87221 | 24.77779 | 49.41109 | 15.15175 | 24.19825 | 41.43091 | 7.17157 | 22.63843 | 44.17342 | 9.91408 | 56.29592 |
| 1/27/2025 | 12:00:00 AM | 34.256 | 60.32638 | 26.07038 | 21.65962 | 48.12485 | 13.86885 | 24.78115 | 49.40396 | 15.14796 | 24.20204 | 41.42018 | 7.16418 | 22.64582 | 44.1627 | 9.9067 | 56.3033 |
| 1/27/2025 | 1:00:00 AM | 34.25265 | 60.33352 | 26.08087 | 21.64913 | 48.12485 | 13.8722 | 24.7778 | 49.39683 | 15.14418 | 24.20582 | 41.42733 | 7.17468 | 22.63532 | 44.15555 | 9.9029 | 56.3071 |
| 1/27/2025 | 2:00:00 AM | 34.23928 | 60.32638 | 26.0871 | 21.6429 | 48.11814 | 13.87886 | 24.77114 | 49.40396 | 15.16468 | 24.18532 | 41.42018 | 7.1809 | 22.6291 | 44.1484 | 9.90912 | 56.30088 |
| 1/27/2025 | 3:00:00 AM | 34.24262 | 60.32281 | 26.08019 | 21.64981 | 48.11143 | 13.86881 | 24.78119 | 49.38613 | 15.14351 | 24.20649 | 41.41302 | 7.1704 | 22.6396 | 44.13768 | 9.89506 | 56.31494 |
| 1/27/2025 | 4:00:00 AM | 34.22924 | 60.29781 | 26.06857 | 21.66143 | 48.0846 | 13.85536 | 24.79464 | 49.36474 | 15.1355 | 24.2145 | 41.39871 | 7.16947 | 22.64053 | 44.11981 | 9.89057 | 56.31943 |
| 1/27/2025 | 5:00:00 AM | 34.21921 | 60.29424 | 26.07503 | 21.65497 | 48.07789 | 13.85868 | 24.79132 | 49.35404 | 15.13483 | 24.21517 | 41.40229 | 7.18308 | 22.62692 | 44.12339 | 9.90418 | 56.30582 |
| 1/27/2025 | 6:00:00 AM | 34.21587 | 60.29424 | 26.07837 | 21.65163 | 48.07454 | 13.85867 | 24.79133 | 49.33978 | 15.12391 | 24.22609 | 41.40586 | 7.18999 | 22.62001 | 44.11266 | 9.89679 | 56.31321 |
| 1/27/2025 | 7:00:00 AM | 34.21587 | 60.30138 | 26.08551 | 21.64449 | 48.0846 | 13.86873 | 24.78127 | 49.35761 | 15.14174 | 24.20826 | 41.4166 | 7.20073 | 22.60927 | 44.14126 | 9.92539 | 56.28461 |
| 1/27/2025 | 8:00:00 AM | 34.22256 | 60.31566 | 26.0931 | 21.6369 | 48.09466 | 13.8721 | 24.7779 | 49.37187 | 15.14931 | 24.20069 | 41.42018 | 7.19762 | 22.61238 | 44.14483 | 9.92227 | 56.28773 |
| 1/27/2025 | 9:00:00 AM | 34.2259 | 60.30495 | 26.07905 | 21.65095 | 48.0846 | 13.8587 | 24.7913 | 49.37187 | 15.14597 | 24.20403 | 41.41302 | 7.18712 | 22.62288 | 44.14483 | 9.91893 | 56.29107 |
| 1/27/2025 | 10:00:00 AM | 34.23259 | 60.31566 | 26.08307 | 21.64693 | 48.09466 | 13.86207 | 24.78793 | 49.37187 | 15.13928 | 24.21072 | 41.4166 | 7.18401 | 22.62599 | 44.1484 | 9.91581 | 56.29419 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/27/2025 | 11:00:00 AM | 34.25265 | 60.30138 | 26.04873 | 21.68127 | 48.09131 | 13.83866 | 24.81134 | 49.36117 | 15.10852 | 24.24148 | 41.40586 | 7.15321 | 22.65679 | 44.1484 | 9.89575 | 56.31425 |
| 1/27/2025 | 12:00:00 PM | 34.27606 | 60.28353 | 26.00747 | 21.72253 | 48.07118 | 13.79512 | 24.85488 | 49.33622 | 15.06016 | 24.28984 | 41.38798 | 7.11192 | 22.69808 | 44.11624 | 9.84018 | 56.36982 |
| 1/27/2025 | 1:00:00 PM | 34.29278 | 60.25496 | 25.96218 | 21.76782 | 48.03094 | 13.73816 | 24.91184 | 49.30056 | 15.00778 | 24.34222 | 41.37366 | 7.08088 | 22.72912 | 44.09837 | 9.80559 | 56.40441 |
| 1/27/2025 | 2:00:00 PM | 34.29947 | 60.23711 | 25.93764 | 21.79236 | 48.01417 | 13.7147 | 24.9353 | 49.29343 | 14.99396 | 24.35604 | 41.37366 | 7.07419 | 22.73581 | 44.0805 | 9.78103 | 56.42897 |
| 1/27/2025 | 3:00:00 PM | 34.27272 | 60.23353 | 25.96081 | 21.76919 | 48.00075 | 13.72803 | 24.92197 | 49.27204 | 14.99932 | 24.35068 | 41.36651 | 7.09379 | 22.71621 | 44.0805 | 9.80778 | 56.40222 |
| 1/27/2025 | 4:00:00 PM | 34.25934 | 60.23711 | 25.97777 | 21.75223 | 47.9974 | 13.73806 | 24.91194 | 49.27561 | 15.01627 | 24.33373 | 41.36651 | 7.10717 | 22.70283 | 44.0805 | 9.82116 | 56.38884 |
| 1/27/2025 | 5:00:00 PM | 34.23928 | 60.23711 | 25.99783 | 21.73217 | 47.98063 | 13.74135 | 24.90865 | 49.26135 | 15.02207 | 24.32793 | 41.36293 | 7.12365 | 22.68635 | 44.0805 | 9.84122 | 56.36878 |
| 1/27/2025 | 6:00:00 PM | 34.24262 | 60.22639 | 25.98377 | 21.74623 | 47.98398 | 13.74136 | 24.90864 | 49.25778 | 15.01516 | 24.33484 | 41.37009 | 7.12747 | 22.68253 | 44.09479 | 9.85217 | 56.35783 |
| 1/27/2025 | 7:00:00 PM | 34.2259 | 60.22996 | 26.00406 | 21.72594 | 47.98398 | 13.75808 | 24.89192 | 49.26135 | 15.03545 | 24.31455 | 41.37009 | 7.14419 | 22.66581 | 44.09837 | 9.87247 | 56.33753 |
| 1/27/2025 | 8:00:00 PM | 34.22256 | 60.22996 | 26.0074 | 21.7226 | 47.98063 | 13.75807 | 24.89193 | 49.26135 | 15.03879 | 24.31121 | 41.37009 | 7.14753 | 22.66247 | 44.10194 | 9.87938 | 56.33062 |
| 1/27/2025 | 9:00:00 PM | 34.21587 | 60.22996 | 26.01409 | 21.71591 | 47.98734 | 13.77147 | 24.87853 | 49.26491 | 15.04904 | 24.30096 | 41.36293 | 7.14706 | 22.66294 | 44.10909 | 9.89322 | 56.31678 |
| 1/27/2025 | 10:00:00 PM | 34.20918 | 60.23711 | 26.02793 | 21.70207 | 47.98734 | 13.77816 | 24.87184 | 49.26135 | 15.05217 | 24.29783 | 41.36293 | 7.15375 | 22.65625 | 44.11266 | 9.90348 | 56.30652 |
| 1/27/2025 | 11:00:00 PM | 34.20249 | 60.23353 | 26.03104 | 21.69896 | 47.99069 | 13.7882 | 24.8618 | 49.25778 | 15.05529 | 24.29471 | 41.35578 | 7.15329 | 22.65671 | 44.10909 | 9.9066 | 56.3034 |
| 1/28/2025 | 12:00:00 AM | 34.19915 | 60.24068 | 26.04153 | 21.68847 | 47.99069 | 13.79154 | 24.85846 | 49.25778 | 15.05863 | 24.29137 | 41.34862 | 7.14947 | 22.66053 | 44.10909 | 9.90994 | 56.30006 |
| 1/28/2025 | 1:00:00 AM | 34.18912 | 60.22282 | 26.0337 | 21.6963 | 47.98734 | 13.79822 | 24.85178 | 49.25065 | 15.06153 | 24.28847 | 41.34146 | 7.15234 | 22.65766 | 44.09837 | 9.90925 | 56.30075 |
| 1/28/2025 | 2:00:00 AM | 34.18243 | 60.21568 | 26.03325 | 21.69675 | 47.97392 | 13.79149 | 24.85851 | 49.24352 | 15.06109 | 24.28891 | 41.33431 | 7.15188 | 22.65812 | 44.09479 | 9.91236 | 56.29764 |
| 1/28/2025 | 3:00:00 AM | 34.18577 | 60.21925 | 26.03348 | 21.69652 | 47.97057 | 13.7848 | 24.8652 | 49.22926 | 15.04349 | 24.30651 | 41.33431 | 7.14854 | 22.66146 | 44.0805 | 9.89473 | 56.31527 |
| 1/28/2025 | 4:00:00 AM | 34.17574 | 60.19068 | 26.01494 | 21.71506 | 47.94709 | 13.77135 | 24.87865 | 49.21143 | 15.03569 | 24.31431 | 41.31284 | 7.1371 | 22.6729 | 44.07335 | 9.89761 | 56.31239 |
| 1/28/2025 | 5:00:00 AM | 34.15902 | 60.19068 | 26.03166 | 21.69834 | 47.93703 | 13.77801 | 24.87199 | 49.20074 | 15.04172 | 24.30828 | 41.31642 | 7.1574 | 22.6526 | 44.06978 | 9.91076 | 56.29924 |
| 1/28/2025 | 6:00:00 AM | 34.16236 | 60.18711 | 26.02475 | 21.70525 | 47.93367 | 13.77131 | 24.87869 | 49.2043 | 15.04194 | 24.30806 | 41.31642 | 7.15406 | 22.65594 | 44.0805 | 9.91814 | 56.29186 |
| 1/28/2025 | 7:00:00 AM | 34.15568 | 60.16926 | 26.01358 | 21.71642 | 47.92361 | 13.76793 | 24.88207 | 49.18648 | 15.0308 | 24.3192 | 41.30926 | 7.15358 | 22.65642 | 44.06978 | 9.9141 | 56.2959 |
| 1/28/2025 | 8:00:00 AM | 34.15568 | 60.17997 | 26.02429 | 21.70571 | 47.92361 | 13.76793 | 24.88207 | 49.19361 | 15.03793 | 24.31207 | 41.31284 | 7.15716 | 22.65284 | 44.07692 | 9.92124 | 56.28876 |
| 1/28/2025 | 9:00:00 AM | 34.15568 | 60.17283 | 26.01715 | 21.71285 | 47.92361 | 13.76793 | 24.88207 | 49.18648 | 15.0308 | 24.3192 | 41.30211 | 7.14643 | 22.66357 | 44.07335 | 9.91767 | 56.29233 |
| 1/28/2025 | 10:00:00 AM | 34.16236 | 60.16926 | 26.0069 | 21.7231 | 47.92026 | 13.7579 | 24.8921 | 49.19361 | 15.03125 | 24.31875 | 41.30569 | 7.14333 | 22.66667 | 44.0805 | 9.91814 | 56.29186 |
| 1/28/2025 | 11:00:00 AM | 34.17908 | 60.15855 | 25.97947 | 21.75053 | 47.90349 | 13.72441 | 24.92559 | 49.17578 | 14.9967 | 24.3533 | 41.2878 | 7.10872 | 22.70128 | 44.0662 | 9.88712 | 56.32288 |
| 1/28/2025 | 12:00:00 PM | 34.19915 | 60.13712 | 25.93797 | 21.79203 | 47.88672 | 13.68757 | 24.96243 | 49.15082 | 14.95167 | 24.39833 | 41.27349 | 7.07434 | 22.73566 | 44.05191 | 9.85276 | 56.35724 |
| 1/28/2025 | 1:00:00 PM | 34.13896 | 60.11927 | 25.98031 | 21.74969 | 47.8666 | 13.72764 | 24.92236 | 49.12943 | 14.99047 | 24.35953 | 41.26275 | 7.12379 | 22.68621 | 44.03761 | 9.89865 | 56.31135 |
| 1/28/2025 | 2:00:00 PM | 34.11889 | 60.0907 | 25.97181 | 21.75819 | 47.83641 | 13.71752 | 24.93248 | 49.10804 | 14.98915 | 24.36085 | 41.24486 | 7.12597 | 22.68403 | 44.01259 | 9.8937 | 56.3163 |
| 1/28/2025 | 3:00:00 PM | 34.09548 | 60.10141 | 26.00593 | 21.72407 | 47.823 | 13.72752 | 24.92248 | 49.09734 | 15.00186 | 24.34814 | 41.24486 | 7.14938 | 22.66062 | 44.02332 | 9.92784 | 56.28216 |
| 1/28/2025 | 4:00:00 PM | 34.09548 | 60.09427 | 25.99879 | 21.73121 | 47.82635 | 13.73087 | 24.91913 | 49.10091 | 15.00543 | 24.34457 | 41.24844 | 7.15296 | 22.65704 | 44.02332 | 9.92784 | 56.28216 |
| 1/28/2025 | 5:00:00 PM | 34.07542 | 60.08713 | 26.01171 | 21.71829 | 47.81964 | 13.74422 | 24.90578 | 49.08665 | 15.01123 | 24.33877 | 41.24486 | 7.16944 | 22.64056 | 44.02689 | 9.95147 | 56.25853 |
| 1/28/2025 | 6:00:00 PM | 34.05536 | 60.07642 | 26.02106 | 21.70894 | 47.79617 | 13.74081 | 24.90919 | 49.07239 | 15.01703 | 24.33297 | 41.23055 | 7.17519 | 22.63481 | 44.01974 | 9.96438 | 56.24562 |
| 1/28/2025 | 7:00:00 PM | 34.04532 | 60.07999 | 26.03467 | 21.69533 | 47.80623 | 13.76091 | 24.88909 | 49.07595 | 15.03063 | 24.31937 | 41.23055 | 7.18523 | 22.62477 | 44.02689 | 9.98157 | 56.22843 |
| 1/28/2025 | 8:00:00 PM | 34.05201 | 60.08356 | 26.03155 | 21.69845 | 47.80623 | 13.75422 | 24.89578 | 49.07952 | 15.02751 | 24.32249 | 41.23055 | 7.17854 | 22.63146 | 44.04119 | 9.98918 | 56.22082 |
| 1/28/2025 | 9:00:00 PM | 34.03864 | 60.08356 | 26.04492 | 21.68508 | 47.81293 | 13.77429 | 24.87571 | 49.07595 | 15.03731 | 24.31269 | 41.22697 | 7.18833 | 22.62167 | 44.04476 | 10.00612 | 56.20388 |
| 1/28/2025 | 10:00:00 PM | 34.04198 | 60.06927 | 26.02729 | 21.70271 | 47.80287 | 13.76089 | 24.88911 | 49.07239 | 15.03041 | 24.31959 | 41.21624 | 7.17426 | 22.63574 | 44.04119 | 9.99921 | 56.21079 |
| 1/28/2025 | 11:00:00 PM | 34.03195 | 60.0657 | 26.03375 | 21.69625 | 47.80287 | 13.77092 | 24.87908 | 49.06882 | 15.03687 | 24.31313 | 41.21266 | 7.18071 | 22.62929 | 44.02332 | 9.99137 | 56.21863 |
| 1/29/2025 | 12:00:00 AM | 34.0286 | 60.06213 | 26.03353 | 21.69647 | 47.79952 | 13.77092 | 24.87908 | 49.06526 | 15.03666 | 24.31334 | 41.20551 | 7.17691 | 22.63309 | 44.03404 | 10.00544 | 56.20456 |
| 1/29/2025 | 1:00:00 AM | 34.02526 | 60.05142 | 26.02616 | 21.70384 | 47.79281 | 13.76755 | 24.88245 | 49.05456 | 15.0293 | 24.3207 | 41.19835 | 7.17309 | 22.63691 | 44.01974 | 9.99448 | 56.21552 |
| 1/29/2025 | 2:00:00 AM | 34.00854 | 60.04785 | 26.03931 | 21.69069 | 47.7861 | 13.77756 | 24.87244 | 49.04743 | 15.03889 | 24.31111 | 41.18404 | 7.1755 | 22.6345 | 44.01259 | 10.00405 | 56.20595 |
| 1/29/2025 | 3:00:00 AM | 34.00854 | 60.03714 | 26.0286 | 21.7014 | 47.7794 | 13.77086 | 24.87914 | 49.0403 | 15.03176 | 24.31824 | 41.1912 | 7.18266 | 22.62734 | 44.01259 | 10.00405 | 56.20595 |
| 1/29/2025 | 4:00:00 AM | 34.00854 | 60.03357 | 26.02503 | 21.70497 | 47.77269 | 13.76415 | 24.88585 | 49.03673 | 15.02819 | 24.32181 | 41.17689 | 7.16835 | 22.64165 | 44.01617 | 10.00763 | 56.20237 |
| 1/29/2025 | 5:00:00 AM | 34.0052 | 60.04785 | 26.04265 | 21.68735 | 47.77604 | 13.77084 | 24.87916 | 49.03673 | 15.03153 | 24.31847 | 41.18046 | 7.17526 | 22.63474 | 44.02332 | 10.01812 | 56.19188 |
| 1/29/2025 | 6:00:00 AM | 34.01188 | 60.05856 | 26.04668 | 21.68332 | 47.78946 | 13.77758 | 24.87242 | 49.05456 | 15.04268 | 24.30732 | 41.1912 | 7.17932 | 22.63068 | 44.03404 | 10.02216 | 56.18784 |
| 1/29/2025 | 7:00:00 AM | 34.0052 | 60.05142 | 26.04622 | 21.68378 | 47.79952 | 13.79432 | 24.85568 | 49.051 | 15.0458 | 24.3042 | 41.18046 | 7.17526 | 22.63474 | 44.03404 | 10.02884 | 56.18116 |
| 1/29/2025 | 8:00:00 AM | 34.0052 | 60.05856 | 26.05336 | 21.67664 | 47.79952 | 13.79432 | 24.85568 | 49.05456 | 15.04936 | 24.30064 | 41.17689 | 7.17169 | 22.63831 | 44.03761 | 10.03241 | 56.17759 |
| 1/29/2025 | 9:00:00 AM | 34.00854 | 60.05142 | 26.04288 | 21.68712 | 47.80287 | 13.79433 | 24.85567 | 49.06526 | 15.05672 | 24.29328 | 41.17689 | 7.16835 | 22.64165 | 44.03404 | 10.0255 | 56.1845 |
| 1/29/2025 | 10:00:00 AM | 34.01857 | 60.05499 | 26.03642 | 21.69358 | 47.80287 | 13.7843 | 24.8657 | 49.06169 | 15.04312 | 24.30688 | 41.16615 | 7.14758 | 22.66242 | 44.03404 | 10.01547 | 56.19453 |
| 1/29/2025 | 11:00:00 AM | 34.04532 | 60.04071 | 25.99539 | 21.73461 | 47.79617 | 13.75085 | 24.89915 | 49.0403 | 14.99498 | 24.35502 | 41.159 | 7.11368 | 22.69632 | 44.02332 | 9.978 | 56.232 |
| 1/29/2025 | 12:00:00 PM | 34.07542 | 60.03357 | 25.95815 | 21.77185 | 47.78275 | 13.70733 | 24.94267 | 49.03673 | 14.96131 | 24.38869 | 41.15184 | 7.07642 | 22.73358 | 44.00545 | 9.93003 | 56.27997 |
| 1/29/2025 | 1:00:00 PM | 34.07542 | 60.03357 | 25.95815 | 21.77185 | 47.7794 | 13.70398 | 24.94602 | 49.04386 | 14.96844 | 24.38156 | 41.15184 | 7.07642 | 22.73358 | 44.00902 | 9.9336 | 56.2764 |
| 1/29/2025 | 2:00:00 PM | 34.0286 | 60.01214 | 25.98354 | 21.74646 | 47.76263 | 13.73403 | 24.91597 | 49.01534 | 14.98674 | 24.36326 | 41.13753 | 7.10893 | 22.70107 | 43.99115 | 9.96255 | 56.24745 |
| 1/29/2025 | 3:00:00 PM | 34.0052 | 59.99786 | 25.99266 | 21.73734 | 47.74586 | 13.74066 | 24.90934 | 49.00108 | 14.99588 | 24.35412 | 41.13037 | 7.12517 | 22.68483 | 43.984 | 9.9788 | 56.2312 |
| 1/29/2025 | 4:00:00 PM | 33.95838 | 59.99786 | 26.03948 | 21.69052 | 47.75592 | 13.79754 | 24.85246 | 49.01178 | 15.0534 | 24.2966 | 41.14111 | 7.18273 | 22.62727 | 43.98758 | 10.0292 | 56.1808 |
| 1/29/2025 | 5:00:00 PM | 33.94835 | 60.005 | 26.05665 | 21.67335 | 47.74921 | 13.80086 | 24.84914 | 49.00108 | 15.05273 | 24.29727 | 41.14111 | 7.19276 | 22.61724 | 43.98758 | 10.03923 | 56.17077 |
| 1/29/2025 | 6:00:00 PM | 33.945 | 60.02999 | 26.08499 | 21.64501 | 47.77604 | 13.83104 | 24.81896 | 49.02604 | 15.08104 | 24.26896 | 41.14826 | 7.20326 | 22.60674 | 44.01259 | 10.06759 | 56.14241 |
| 1/29/2025 | 7:00:00 PM | 33.93497 | 60.02642 | 26.09145 | 21.63855 | 47.77269 | 13.83772 | 24.81228 | 49.0296 | 15.09463 | 24.25537 | 41.14111 | 7.20614 | 22.60386 | 44.00902 | 10.07405 | 56.13595 |
| 1/29/2025 | 8:00:00 PM | 33.93163 | 60.01571 | 26.08408 | 21.64592 | 47.76263 | 13.831 | 24.819 | 49.01891 | 15.08728 | 24.26272 | 41.13037 | 7.19874 | 22.61126 | 44.00187 | 10.07024 | 56.13976 |
| 1/29/2025 | 9:00:00 PM | 33.91825 | 60.01571 | 26.09746 | 21.63254 | 47.76933 | 13.85108 | 24.79892 | 49.01891 | 15.10066 | 24.24934 | 41.12322 | 7.20497 | 22.60503 | 43.9983 | 10.08005 | 56.12995 |
| 1/29/2025 | 10:00:00 PM | 33.9216 | 60.02642 | 26.10482 | 21.62518 | 47.78946 | 13.86786 | 24.78214 | 49.03317 | 15.11157 | 24.23843 | 41.13037 | 7.20877 | 22.60123 | 44.01259 | 10.09099 | 56.11901 |
| 1/29/2025 | 11:00:00 PM | 33.92828 | 60.04071 | 26.11243 | 21.61757 | 47.79281 | 13.86453 | 24.78547 | 49.04386 | 15.11558 | 24.23442 | 41.14111 | 7.21283 | 22.59717 | 44.01617 | 10.08789 | 56.12211 |
| 1/30/2025 | 12:00:00 AM | 33.9216 | 60.02999 | 26.10839 | 21.62161 | 47.79281 | 13.87121 | 24.77879 | 49.03673 | 15.11513 | 24.23487 | 41.13395 | 7.21235 | 22.59765 | 44.00545 | 10.08385 | 56.12615 |
| 1/30/2025 | 1:00:00 AM | 33.91491 | 60.01571 | 26.1008 | 21.6292 | 47.78275 | 13.86784 | 24.78216 | 49.02247 | 15.10756 | 24.24244 | 41.11964 | 7.20473 | 22.60527 | 43.99115 | 10.07624 | 56.13376 |
| 1/30/2025 | 2:00:00 AM | 33.91156 | 60.03357 | 26.12201 | 21.60799 | 47.7794 | 13.86784 | 24.78216 | 49.03317 | 15.12161 | 24.22839 | 41.12322 | 7.21166 | 22.59834 | 43.99115 | 10.07959 | 56.13041 |
| 1/30/2025 | 3:00:00 AM | 33.91156 | 60.01928 | 26.10772 | 21.62228 | 47.77604 | 13.86448 | 24.78552 | 49.01891 | 15.10735 | 24.24265 | 41.12322 | 7.21166 | 22.59834 | 43.98758 | 10.07602 | 56.13398 |
| 1/30/2025 | 4:00:00 AM | 33.90153 | 60.02642 | 26.12489 | 21.60511 | 47.78946 | 13.88793 | 24.76207 | 49.02247 | 15.12094 | 24.22906 | 41.13395 | 7.23242 | 22.57758 | 43.99473 | 10.0932 | 56.1168 |
| 1/30/2025 | 5:00:00 AM | 33.90488 | 60.02642 | 26.12154 | 21.60846 | 47.77604 | 13.87116 | 24.77884 | 49.02604 | 15.12116 | 24.22884 | 41.11606 | 7.21118 | 22.59882 | 43.97686 | 10.07198 | 56.13802 |
| 1/30/2025 | 6:00:00 AM | 33.89819 | 60.01571 | 26.11752 | 21.61248 | 47.7861 | 13.88791 | 24.76209 | 49.01534 | 15.11715 | 24.23285 | 41.11248 | 7.21429 | 22.59571 | 43.98758 | 10.08939 | 56.12061 |
| 1/30/2025 | 7:00:00 AM | 33.89484 | 59.99786 | 26.10302 | 21.62698 | 47.76933 | 13.87449 | 24.77551 | 49.00465 | 15.10981 | 24.24019 | 41.10533 | 7.21049 | 22.59951 | 43.97328 | 10.07844 | 56.13156 |
| 1/30/2025 | 8:00:00 AM | 33.90153 | 60.00857 | 26.10704 | 21.62296 | 47.76598 | 13.86445 | 24.78555 | 49.00108 | 15.09955 | 24.25045 | 41.10175 | 7.20022 | 22.60978 | 43.97686 | 10.07533 | 56.13467 |
| 1/30/2025 | 9:00:00 AM | 33.90153 | 60.005 | 26.10347 | 21.62653 | 47.76598 | 13.86445 | 24.78555 | 48.99752 | 15.09599 | 24.25401 | 41.11248 | 7.21095 | 22.59905 | 43.97686 | 10.07533 | 56.13467 |
| 1/30/2025 | 10:00:00 AM | 33.91491 | 60.00143 | 26.08652 | 21.64348 | 47.75927 | 13.84436 | 24.80564 | 49.00108 | 15.08617 | 24.26383 | 41.09817 | 7.18326 | 22.62674 | 43.96613 | 10.05122 | 56.15878 |
| 1/30/2025 | 11:00:00 AM | 33.92494 | 60.01928 | 26.09434 | 21.63566 | 47.76933 | 13.84439 | 24.80561 | 49.01178 | 15.08684 | 24.26316 | 41.11248 | 7.18754 | 22.62246 | 43.97686 | 10.05192 | 56.15808 |
| 1/30/2025 | 12:00:00 PM | 33.92494 | 59.99071 | 26.06577 | 21.66423 | 47.75256 | 13.82762 | 24.82238 | 48.98682 | 15.06188 | 24.28812 | 41.08386 | 7.15892 | 22.65108 | 43.95541 | 10.03047 | 56.17953 |
| 1/30/2025 | 1:00:00 PM | 33.92494 | 59.99071 | 26.06577 | 21.66423 | 47.74921 | 13.82427 | 24.82573 | 48.98326 | 15.05832 | 24.29168 | 41.08028 | 7.15534 | 22.65466 | 43.94469 | 10.01975 | 56.19025 |
| 1/30/2025 | 2:00:00 PM | 33.91491 | 59.97286 | 26.05795 | 21.67205 | 47.71903 | 13.80412 | 24.84588 | 48.96186 | 15.04695 | 24.30305 | 41.06955 | 7.15464 | 22.65536 | 43.93397 | 10.01906 | 56.19094 |
| 1/30/2025 | 3:00:00 PM | 33.90488 | 59.94429 | 26.03941 | 21.69059 | 47.6989 | 13.79402 | 24.85598 | 48.94047 | 15.03559 | 24.31441 | 41.05524 | 7.15036 | 22.65964 | 43.90895 | 10.00407 | 56.20593 |
| 1/30/2025 | 4:00:00 PM | 33.90488 | 59.93001 | 26.02513 | 21.70487 | 47.67878 | 13.7739 | 24.8761 | 48.91908 | 15.0142 | 24.3358 | 41.05524 | 7.15036 | 22.65964 | 43.89823 | 9.99335 | 56.21665 |
| 1/30/2025 | 5:00:00 PM | 33.88816 | 59.9193 | 26.03114 | 21.69886 | 47.65866 | 13.7705 | 24.8795 | 48.89412 | 15.00596 | 24.34404 | 41.04093 | 7.15277 | 22.65723 | 43.89466 | 10.0065 | 56.2035 |
| 1/30/2025 | 6:00:00 PM | 33.88147 | 59.8943 | 26.01283 | 21.71717 | 47.63182 | 13.75035 | 24.89965 | 48.87273 | 14.99126 | 24.35874 | 41.0302 | 7.14873 | 22.66127 | 43.87321 | 9.99174 | 56.21826 |
| 1/30/2025 | 7:00:00 PM | 33.86809 | 59.87288 | 26.00479 | 21.72521 | 47.60499 | 13.7369 | 24.9131 | 48.84421 | 14.97612 | 24.37388 | 41.02662 | 7.15853 | 22.65147 | 43.85892 | 9.99083 | 56.21917 |
| 1/30/2025 | 8:00:00 PM | 33.86809 | 59.87288 | 26.00479 | 21.72521 | 47.58822 | 13.72013 | 24.92987 | 48.82638 | 14.95829 | 24.39171 | 41.02304 | 7.15495 | 22.65505 | 43.86249 | 9.9944 | 56.2156 |
| 1/30/2025 | 9:00:00 PM | 33.85806 | 59.84074 | 25.98268 | 21.74732 | 47.5681 | 13.71004 | 24.93996 | 48.80499 | 14.94693 | 24.40307 | 41.00157 | 7.14351 | 22.66649 | 43.85177 | 9.99371 | 56.21629 |
| 1/30/2025 | 10:00:00 PM | 33.85806 | 59.86216 | 26.0041 | 21.7259 | 47.57481 | 13.71675 | 24.93325 | 48.80499 | 14.94693 | 24.40307 | 41.01231 | 7.15425 | 22.65575 | 43.86606 | 10.008 | 56.202 |
| 1/30/2025 | 11:00:00 PM | 33.80456 | 59.84074 | 26.03618 | 21.69382 | 47.55804 | 13.75348 | 24.89652 | 48.79073 | 14.98617 | 24.36383 | 40.99084 | 7.18628 | 22.62372 | 43.85534 | 10.05078 | 56.15922 |
| 1/31/2025 | 12:00:00 AM | 33.7778 | 59.81574 | 26.03794 | 21.69206 | 47.52785 | 13.75005 | 24.89995 | 48.76577 | 14.98797 | 24.36203 | 40.96579 | 7.18799 | 22.62201 | 43.83747 | 10.05967 | 56.15033 |
| 1/31/2025 | 1:00:00 AM | 33.72096 | 59.78717 | 26.06621 | 21.66379 | 47.49096 | 13.77 | 24.88 | 48.74082 | 15.01986 | 24.33014 | 40.94791 | 7.22695 | 22.58305 | 43.82318 | 10.10222 | 56.10778 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/31/2025 | 2:00:00 AM | 33.72096 | 59.75504 | 26.03408 | 21.69592 | 47.45742 | 13.73646 | 24.91354 | 48.70516 | 14.9842 | 24.3658 | 40.92286 | 7.2019 | 22.6081 | 43.79816 | 10.0772 | 56.1328 |
| 1/31/2025 | 3:00:00 AM | 33.66745 | 59.73718 | 26.06973 | 21.66027 | 47.4373 | 13.76985 | 24.88015 | 48.67308 | 15.00563 | 24.34437 | 40.91571 | 7.24826 | 22.56174 | 43.78744 | 10.11999 | 56.09001 |
| 1/31/2025 | 4:00:00 AM | 33.65073 | 59.70147 | 26.05074 | 21.67926 | 47.39035 | 13.73962 | 24.91038 | 48.63386 | 14.98313 | 24.36687 | 40.88708 | 7.23635 | 22.57365 | 43.76242 | 10.11169 | 56.09831 |
| 1/31/2025 | 5:00:00 AM | 33.60057 | 59.67291 | 26.07234 | 21.65766 | 47.36351 | 13.76294 | 24.88706 | 48.59821 | 14.99764 | 24.35236 | 40.87635 | 7.27578 | 22.53422 | 43.75527 | 10.1547 | 56.0553 |
| 1/31/2025 | 6:00:00 AM | 33.54707 | 59.65862 | 26.11155 | 21.61845 | 47.33333 | 13.78626 | 24.86374 | 48.58038 | 15.03331 | 24.31669 | 40.86562 | 7.31855 | 22.49145 | 43.7517 | 10.20463 | 56.00537 |
| 1/31/2025 | 7:00:00 AM | 33.55041 | 59.6372 | 26.08679 | 21.64321 | 47.30985 | 13.75944 | 24.89056 | 48.55542 | 15.00501 | 24.34499 | 40.85131 | 7.3009 | 22.5091 | 43.74098 | 10.19057 | 56.01943 |
| 1/31/2025 | 8:00:00 AM | 33.5571 | 59.65862 | 26.10152 | 21.62848 | 47.31656 | 13.75946 | 24.89054 | 48.56612 | 15.00902 | 24.34098 | 40.86562 | 7.30852 | 22.50148 | 43.766 | 10.2089 | 56.0011 |
| 1/31/2025 | 9:00:00 AM | 33.57048 | 59.65148 | 26.081 | 21.649 | 47.31991 | 13.74943 | 24.90057 | 48.57325 | 15.00277 | 24.34723 | 40.85488 | 7.2844 | 22.5256 | 43.78029 | 10.20981 | 56.00019 |
| 1/31/2025 | 10:00:00 AM | 33.57382 | 59.65148 | 26.07766 | 21.65234 | 47.32998 | 13.75616 | 24.89384 | 48.57681 | 15.00299 | 24.34701 | 40.85131 | 7.27749 | 22.53251 | 43.79816 | 10.22434 | 55.98566 |
| 1/31/2025 | 11:00:00 AM | 33.52032 | 59.61934 | 26.09902 | 21.63098 | 47.29644 | 13.77612 | 24.87388 | 48.55186 | 15.03154 | 24.31846 | 40.80837 | 7.28805 | 22.52195 | 43.76957 | 10.24925 | 55.96075 |
| 1/31/2025 | 12:00:00 PM | 33.51028 | 59.57292 | 26.06264 | 21.66736 | 47.24613 | 13.73585 | 24.91415 | 48.48768 | 14.9774 | 24.3726 | 40.77617 | 7.26589 | 22.54411 | 43.72311 | 10.21283 | 55.99717 |
| 1/31/2025 | 1:00:00 PM | 33.45344 | 59.54793 | 26.09449 | 21.63551 | 47.22265 | 13.76921 | 24.88079 | 48.4556 | 15.00216 | 24.34784 | 40.76186 | 7.30842 | 22.50158 | 43.70524 | 10.2518 | 55.9582 |
| 1/31/2025 | 2:00:00 PM | 33.40996 | 59.5265 | 26.11654 | 21.61346 | 47.18911 | 13.77915 | 24.87085 | 48.43777 | 15.02781 | 24.32219 | 40.74039 | 7.33043 | 22.47957 | 43.69809 | 10.28813 | 55.92187 |
| 1/31/2025 | 3:00:00 PM | 33.40996 | 59.5265 | 26.11654 | 21.61346 | 47.19247 | 13.78251 | 24.86749 | 48.43777 | 15.02781 | 24.32219 | 40.74039 | 7.33043 | 22.47957 | 43.70881 | 10.29885 | 55.91115 |
| 1/31/2025 | 4:00:00 PM | 33.41665 | 59.53721 | 26.12056 | 21.60944 | 47.19582 | 13.77917 | 24.87083 | 48.45203 | 15.03538 | 24.31462 | 40.73324 | 7.31659 | 22.49341 | 43.73026 | 10.31361 | 55.89639 |
| 1/31/2025 | 5:00:00 PM | 33.39324 | 59.54793 | 26.15469 | 21.57531 | 47.21259 | 13.81935 | 24.83065 | 48.46273 | 15.06949 | 24.28051 | 40.72966 | 7.33642 | 22.47358 | 43.7517 | 10.35846 | 55.85154 |
| 1/31/2025 | 6:00:00 PM | 33.40996 | 59.56935 | 26.15939 | 21.57061 | 47.24613 | 13.83617 | 24.81383 | 48.49481 | 15.08485 | 24.26515 | 40.74039 | 7.33043 | 22.47957 | 43.78029 | 10.37033 | 55.83967 |
| 1/31/2025 | 7:00:00 PM | 33.40996 | 59.56578 | 26.15582 | 21.57418 | 47.2629 | 13.85294 | 24.79706 | 48.50194 | 15.09198 | 24.25802 | 40.7225 | 7.31254 | 22.49746 | 43.77314 | 10.36318 | 55.84682 |
| 1/31/2025 | 8:00:00 PM | 33.44675 | 59.64077 | 26.19402 | 21.53598 | 47.35681 | 13.91006 | 24.73994 | 48.58394 | 15.13719 | 24.21281 | 40.77259 | 7.32584 | 22.48416 | 43.85177 | 10.40502 | 55.80498 |
| 1/31/2025 | 9:00:00 PM | 33.46681 | 59.67648 | 26.20967 | 21.52033 | 47.42388 | 13.95707 | 24.69293 | 48.64812 | 15.18131 | 24.16869 | 40.77617 | 7.30936 | 22.50064 | 43.88393 | 10.41712 | 55.79288 |
| 1/31/2025 | 10:00:00 PM | 33.48688 | 59.71576 | 26.22888 | 21.50112 | 47.49767 | 14.01079 | 24.63921 | 48.70873 | 15.22185 | 24.12815 | 40.80122 | 7.31434 | 22.49566 | 43.91967 | 10.43279 | 55.77721 |
| 1/31/2025 | 11:00:00 PM | 33.51363 | 59.76575 | 26.25212 | 21.47788 | 47.57145 | 14.05782 | 24.59218 | 48.76934 | 15.25571 | 24.09429 | 40.82626 | 7.31263 | 22.49737 | 43.94826 | 10.43463 | 55.77537 |
| 2/1/2025 | 12:00:00 AM | 33.53369 | 59.78717 | 26.25348 | 21.47652 | 47.62176 | 14.08807 | 24.56193 | 48.82282 | 15.28913 | 24.06087 | 40.82626 | 7.29257 | 22.51743 | 43.95541 | 10.42172 | 55.78828 |
| 2/1/2025 | 1:00:00 AM | 33.53704 | 59.7836 | 26.24656 | 21.48344 | 47.64189 | 14.10485 | 24.54515 | 48.83351 | 15.29647 | 24.05353 | 40.80479 | 7.26775 | 22.54225 | 43.93039 | 10.39335 | 55.81665 |
| 2/1/2025 | 2:00:00 AM | 33.53704 | 59.78717 | 26.25013 | 21.47987 | 47.66872 | 14.13168 | 24.51832 | 48.85491 | 15.31787 | 24.03213 | 40.80837 | 7.27133 | 22.53867 | 43.91253 | 10.37549 | 55.83451 |
| 2/1/2025 | 3:00:00 AM | 33.54372 | 59.81574 | 26.27202 | 21.45798 | 47.71232 | 14.1686 | 24.4814 | 48.87986 | 15.33614 | 24.01386 | 40.80479 | 7.26107 | 22.54893 | 43.90538 | 10.36166 | 55.84834 |
| 2/1/2025 | 4:00:00 AM | 33.53704 | 59.78003 | 26.24299 | 21.48701 | 47.68884 | 14.1518 | 24.4982 | 48.86204 | 15.325 | 24.025 | 40.77259 | 7.23555 | 22.57445 | 43.86249 | 10.32545 | 55.88455 |
| 2/1/2025 | 5:00:00 AM | 33.53704 | 59.79075 | 26.25371 | 21.47629 | 47.70226 | 14.16522 | 24.48478 | 48.8763 | 15.33926 | 24.01074 | 40.77617 | 7.23913 | 22.57087 | 43.85177 | 10.31473 | 55.89527 |
| 2/1/2025 | 6:00:00 AM | 33.53704 | 59.78003 | 26.24299 | 21.48701 | 47.70561 | 14.16857 | 24.48143 | 48.8763 | 15.33926 | 24.01074 | 40.77617 | 7.23913 | 22.57087 | 43.84105 | 10.30401 | 55.90599 |
| 2/1/2025 | 7:00:00 AM | 33.51028 | 59.78003 | 26.26975 | 21.46025 | 47.69219 | 14.18191 | 24.46809 | 48.85847 | 15.34819 | 24.00181 | 40.77617 | 7.26589 | 22.54411 | 43.8196 | 10.30932 | 55.90068 |
| 2/1/2025 | 8:00:00 AM | 33.50694 | 59.7836 | 26.27666 | 21.45334 | 47.70561 | 14.19867 | 24.45133 | 48.8763 | 15.36936 | 23.98064 | 40.79048 | 7.28354 | 22.52646 | 43.82318 | 10.31624 | 55.89376 |
| 2/1/2025 | 9:00:00 AM | 33.51363 | 59.79432 | 26.28069 | 21.44931 | 47.72573 | 14.2121 | 24.4379 | 48.89056 | 15.37693 | 23.97307 | 40.80122 | 7.28759 | 22.52241 | 43.8196 | 10.30597 | 55.90403 |
| 2/1/2025 | 10:00:00 AM | 33.52032 | 59.80146 | 26.28114 | 21.44886 | 47.73915 | 14.21883 | 24.43117 | 48.90125 | 15.38093 | 23.96907 | 40.80122 | 7.2809 | 22.5291 | 43.82675 | 10.30643 | 55.90357 |
| 2/1/2025 | 11:00:00 AM | 33.527 | 59.80503 | 26.27803 | 21.45197 | 47.75256 | 14.22556 | 24.42444 | 48.91908 | 15.39208 | 23.95792 | 40.80479 | 7.27779 | 22.53221 | 43.8339 | 10.3069 | 55.9031 |
| 2/1/2025 | 12:00:00 PM | 33.53369 | 59.79789 | 26.2642 | 21.4658 | 47.75592 | 14.22223 | 24.42777 | 48.91908 | 15.38539 | 23.96461 | 40.80122 | 7.26753 | 22.54247 | 43.80531 | 10.27162 | 55.93838 |
| 2/1/2025 | 1:00:00 PM | 33.527 | 59.77289 | 26.24589 | 21.48411 | 47.72909 | 14.20209 | 24.44791 | 48.89056 | 15.36356 | 23.98644 | 40.78333 | 7.25633 | 22.55367 | 43.78386 | 10.25686 | 55.95314 |
| 2/1/2025 | 2:00:00 PM | 33.52032 | 59.75504 | 26.23472 | 21.49528 | 47.71567 | 14.19535 | 24.45465 | 48.87986 | 15.35954 | 23.99046 | 40.78333 | 7.26301 | 22.54699 | 43.76242 | 10.2421 | 55.9679 |
| 2/1/2025 | 3:00:00 PM | 33.51363 | 59.75504 | 26.24141 | 21.48859 | 47.70561 | 14.19198 | 24.45802 | 48.8763 | 15.36267 | 23.98733 | 40.78333 | 7.2697 | 22.5403 | 43.75527 | 10.24164 | 55.96836 |
| 2/1/2025 | 4:00:00 PM | 33.5036 | 59.7836 | 26.28 | 21.45 | 47.7358 | 14.2322 | 24.4178 | 48.91195 | 15.40835 | 23.94165 | 40.80122 | 7.29762 | 22.51238 | 43.78386 | 10.28026 | 55.92974 |
| 2/1/2025 | 5:00:00 PM | 33.50694 | 59.78003 | 26.27309 | 21.45691 | 47.7425 | 14.23556 | 24.41444 | 48.91552 | 15.40858 | 23.94142 | 40.80837 | 7.30143 | 22.50857 | 43.77672 | 10.26978 | 55.94022 |
| 2/1/2025 | 6:00:00 PM | 33.51028 | 59.78003 | 26.26975 | 21.46025 | 47.7358 | 14.22552 | 24.42448 | 48.91908 | 15.4088 | 23.9412 | 40.80479 | 7.29451 | 22.51549 | 43.77672 | 10.26644 | 55.94356 |
| 2/1/2025 | 7:00:00 PM | 33.49691 | 59.76932 | 26.27241 | 21.45759 | 47.73915 | 14.24224 | 24.40776 | 48.91908 | 15.42217 | 23.92783 | 40.80122 | 7.30431 | 22.50569 | 43.77314 | 10.27623 | 55.93377 |
| 2/1/2025 | 8:00:00 PM | 33.49691 | 59.77289 | 26.27598 | 21.45402 | 47.72573 | 14.22882 | 24.42118 | 48.91552 | 15.41861 | 23.93139 | 40.79406 | 7.29715 | 22.51285 | 43.766 | 10.26909 | 55.94091 |
| 2/1/2025 | 9:00:00 PM | 33.49356 | 59.76932 | 26.27576 | 21.45424 | 47.72238 | 14.22882 | 24.42118 | 48.92265 | 15.42909 | 23.92091 | 40.79048 | 7.29692 | 22.51308 | 43.76242 | 10.26886 | 55.94114 |
| 2/1/2025 | 10:00:00 PM | 33.49022 | 59.76218 | 26.27196 | 21.45804 | 47.71567 | 14.22545 | 24.42455 | 48.91908 | 15.42886 | 23.92114 | 40.79048 | 7.30026 | 22.50974 | 43.75527 | 10.26505 | 55.94495 |
| 2/1/2025 | 11:00:00 PM | 33.48688 | 59.7479 | 26.26102 | 21.46898 | 47.6989 | 14.21202 | 24.43798 | 48.90838 | 15.4215 | 23.9285 | 40.78333 | 7.29645 | 22.51355 | 43.74098 | 10.2541 | 55.9559 |
| 2/2/2025 | 12:00:00 AM | 33.48353 | 59.7479 | 26.26437 | 21.46563 | 47.70226 | 14.21873 | 24.43127 | 48.91195 | 15.42842 | 23.92158 | 40.78333 | 7.2998 | 22.5102 | 43.7374 | 10.25387 | 55.95613 |
| 2/2/2025 | 1:00:00 AM | 33.48019 | 59.75147 | 26.27128 | 21.45872 | 47.70561 | 14.22542 | 24.42458 | 48.90838 | 15.42819 | 23.92181 | 40.78691 | 7.30672 | 22.50328 | 43.74455 | 10.26436 | 55.94564 |
| 2/2/2025 | 2:00:00 AM | 33.48353 | 59.73361 | 26.25008 | 21.47992 | 47.68549 | 14.20196 | 24.44804 | 48.89769 | 15.41416 | 23.93584 | 40.77975 | 7.29622 | 22.51378 | 43.72668 | 10.24315 | 55.96685 |
| 2/2/2025 | 3:00:00 AM | 33.47684 | 59.73718 | 26.26034 | 21.46966 | 47.68213 | 14.20529 | 24.44471 | 48.90125 | 15.42441 | 23.92559 | 40.77975 | 7.30291 | 22.50709 | 43.72668 | 10.24984 | 55.96016 |
| 2/2/2025 | 4:00:00 AM | 33.46681 | 59.71576 | 26.24895 | 21.48105 | 47.66201 | 14.1952 | 24.4548 | 48.88699 | 15.42018 | 23.92982 | 40.76902 | 7.30221 | 22.50779 | 43.70524 | 10.23843 | 55.97157 |
| 2/2/2025 | 5:00:00 AM | 33.46681 | 59.7229 | 26.25609 | 21.47391 | 47.66201 | 14.1952 | 24.4548 | 48.88699 | 15.42018 | 23.92982 | 40.76902 | 7.30221 | 22.50779 | 43.70881 | 10.242 | 55.968 |
| 2/2/2025 | 6:00:00 AM | 33.46347 | 59.70862 | 26.24515 | 21.48485 | 47.64189 | 14.17842 | 24.47158 | 48.8763 | 15.41283 | 23.93717 | 40.76544 | 7.30197 | 22.50803 | 43.70524 | 10.24177 | 55.96823 |
| 2/2/2025 | 7:00:00 AM | 33.45009 | 59.70147 | 26.25138 | 21.47862 | 47.63853 | 14.18844 | 24.46156 | 48.86917 | 15.41908 | 23.93092 | 40.75828 | 7.30819 | 22.50181 | 43.69094 | 10.24085 | 55.96915 |
| 2/2/2025 | 8:00:00 AM | 33.4434 | 59.68719 | 26.24379 | 21.48621 | 47.61841 | 14.17501 | 24.47499 | 48.86204 | 15.41864 | 23.93136 | 40.7547 | 7.3113 | 22.4987 | 43.69094 | 10.24754 | 55.96246 |
| 2/2/2025 | 9:00:00 AM | 33.44675 | 59.68719 | 26.24044 | 21.48956 | 47.62176 | 14.17501 | 24.47499 | 48.86917 | 15.42242 | 23.92758 | 40.75828 | 7.31153 | 22.49847 | 43.70167 | 10.25492 | 55.95508 |
| 2/2/2025 | 10:00:00 AM | 33.43003 | 59.69433 | 26.2643 | 21.4657 | 47.62176 | 14.19173 | 24.45827 | 48.8763 | 15.44627 | 23.90373 | 40.76186 | 7.33183 | 22.47817 | 43.69452 | 10.26449 | 55.94551 |
| 2/2/2025 | 11:00:00 AM | 33.43672 | 59.70147 | 26.26475 | 21.46525 | 47.63518 | 14.19846 | 24.45154 | 48.89056 | 15.45384 | 23.89616 | 40.76902 | 7.3323 | 22.4777 | 43.71596 | 10.27924 | 55.93076 |
| 2/2/2025 | 12:00:00 PM | 33.4434 | 59.71219 | 26.26879 | 21.46121 | 47.63182 | 14.18842 | 24.46158 | 48.89769 | 15.45429 | 23.89571 | 40.77259 | 7.32919 | 22.48081 | 43.71596 | 10.27256 | 55.93744 |
| 2/2/2025 | 1:00:00 PM | 33.43672 | 59.68719 | 26.25047 | 21.47953 | 47.61841 | 14.18169 | 24.46831 | 48.88699 | 15.45027 | 23.89973 | 40.7547 | 7.31798 | 22.49202 | 43.69809 | 10.26137 | 55.94863 |
| 2/2/2025 | 2:00:00 PM | 33.4434 | 59.68362 | 26.24022 | 21.48978 | 47.61506 | 14.17166 | 24.47834 | 48.8763 | 15.4329 | 23.9171 | 40.75113 | 7.30773 | 22.50227 | 43.68737 | 10.24397 | 55.96603 |
| 2/2/2025 | 3:00:00 PM | 33.4434 | 59.68719 | 26.24379 | 21.48621 | 47.6117 | 14.1683 | 24.4817 | 48.88699 | 15.44359 | 23.90641 | 40.75828 | 7.31488 | 22.49512 | 43.69452 | 10.25112 | 55.95888 |
| 2/2/2025 | 4:00:00 PM | 33.44675 | 59.69433 | 26.24758 | 21.48242 | 47.62512 | 14.17837 | 24.47163 | 48.90482 | 15.45807 | 23.89193 | 40.76544 | 7.31869 | 22.49131 | 43.70524 | 10.25849 | 55.95151 |
| 2/2/2025 | 5:00:00 PM | 33.45009 | 59.69076 | 26.24067 | 21.48933 | 47.62176 | 14.17167 | 24.47833 | 48.90838 | 15.45829 | 23.89171 | 40.7547 | 7.30461 | 22.50539 | 43.69452 | 10.24443 | 55.96557 |
| 2/2/2025 | 6:00:00 PM | 33.45009 | 59.6979 | 26.24781 | 21.48219 | 47.63518 | 14.18509 | 24.46491 | 48.91908 | 15.46899 | 23.88101 | 40.75828 | 7.30819 | 22.50181 | 43.71239 | 10.2623 | 55.9477 |
| 2/2/2025 | 7:00:00 PM | 33.45678 | 59.71219 | 26.25541 | 21.47459 | 47.64189 | 14.18511 | 24.46489 | 48.92621 | 15.46943 | 23.88057 | 40.77259 | 7.31581 | 22.49419 | 43.71596 | 10.25918 | 55.95082 |
| 2/2/2025 | 8:00:00 PM | 33.46012 | 59.73004 | 26.26992 | 21.46008 | 47.65866 | 14.19854 | 24.45146 | 48.96543 | 15.50531 | 23.84469 | 40.77975 | 7.31963 | 22.49037 | 43.7374 | 10.27728 | 55.93272 |
| 2/2/2025 | 9:00:00 PM | 33.47016 | 59.74075 | 26.27059 | 21.45941 | 47.67878 | 14.20862 | 24.44138 | 48.97612 | 15.50596 | 23.84404 | 40.77259 | 7.30243 | 22.50757 | 43.7374 | 10.26724 | 55.94276 |
| 2/2/2025 | 10:00:00 PM | 33.4735 | 59.73718 | 26.26368 | 21.46632 | 47.68213 | 14.20863 | 24.44137 | 48.98326 | 15.50976 | 23.84024 | 40.78333 | 7.30983 | 22.50017 | 43.74098 | 10.26748 | 55.94252 |
| 2/2/2025 | 11:00:00 PM | 33.4735 | 59.74432 | 26.27082 | 21.45918 | 47.67878 | 14.20528 | 24.44472 | 48.99039 | 15.51689 | 23.83311 | 40.77259 | 7.29909 | 22.51091 | 43.7374 | 10.2639 | 55.9461 |
| 2/3/2025 | 12:00:00 AM | 33.47684 | 59.7479 | 26.27106 | 21.45894 | 47.6989 | 14.22206 | 24.42794 | 49.00108 | 15.52424 | 23.82576 | 40.78691 | 7.31007 | 22.49993 | 43.73383 | 10.25699 | 55.95301 |
| 2/3/2025 | 1:00:00 AM | 33.47684 | 59.7479 | 26.27106 | 21.45894 | 47.69555 | 14.21871 | 24.43129 | 48.99752 | 15.52068 | 23.82932 | 40.77975 | 7.30291 | 22.50709 | 43.71953 | 10.24269 | 55.96731 |
| 2/3/2025 | 2:00:00 AM | 33.48019 | 59.75147 | 26.27128 | 21.45872 | 47.6989 | 14.21871 | 24.43129 | 49.01178 | 15.53159 | 23.81841 | 40.77975 | 7.29956 | 22.51044 | 43.72311 | 10.24292 | 55.96708 |
| 2/3/2025 | 3:00:00 AM | 33.4735 | 59.75147 | 26.27797 | 21.45203 | 47.6989 | 14.2254 | 24.4246 | 49.00821 | 15.53471 | 23.81529 | 40.77975 | 7.30625 | 22.50375 | 43.71596 | 10.24246 | 55.96754 |
| 2/3/2025 | 4:00:00 AM | 33.45344 | 59.73361 | 26.28017 | 21.44983 | 47.68213 | 14.22869 | 24.42131 | 48.99395 | 15.54051 | 23.80949 | 40.77259 | 7.31915 | 22.49085 | 43.69452 | 10.24108 | 55.96892 |
| 2/3/2025 | 5:00:00 AM | 33.45678 | 59.73718 | 26.2804 | 21.4496 | 47.67207 | 14.21529 | 24.43471 | 48.99395 | 15.53717 | 23.81283 | 40.77975 | 7.32297 | 22.48703 | 43.68737 | 10.23059 | 55.97941 |
| 2/3/2025 | 6:00:00 AM | 33.45009 | 59.72647 | 26.27638 | 21.45362 | 47.66201 | 14.21192 | 24.43808 | 48.97612 | 15.52603 | 23.82397 | 40.76902 | 7.31893 | 22.49107 | 43.67307 | 10.22298 | 55.98702 |
| 2/3/2025 | 7:00:00 AM | 33.44675 | 59.7229 | 26.27615 | 21.45385 | 47.65195 | 14.2052 | 24.4448 | 48.98682 | 15.54007 | 23.80993 | 40.77617 | 7.32942 | 22.48058 | 43.6838 | 10.23705 | 55.97295 |
| 2/3/2025 | 8:00:00 AM | 33.4434 | 59.70862 | 26.26522 | 21.46478 | 47.63518 | 14.19178 | 24.45822 | 48.96899 | 15.52559 | 23.82441 | 40.76544 | 7.32204 | 22.48796 | 43.66593 | 10.22253 | 55.98747 |
| 2/3/2025 | 9:00:00 AM | 33.44675 | 59.70504 | 26.25829 | 21.47171 | 47.63518 | 14.18843 | 24.46157 | 48.96899 | 15.52224 | 23.82776 | 40.76902 | 7.32227 | 22.48773 | 43.66593 | 10.21918 | 55.99082 |
| 2/3/2025 | 10:00:00 AM | 33.44675 | 59.70504 | 26.25829 | 21.47171 | 47.62512 | 14.17837 | 24.47163 | 48.96186 | 15.51511 | 23.83489 | 40.76902 | 7.32227 | 22.48773 | 43.65878 | 10.21203 | 55.99797 |
| 2/3/2025 | 11:00:00 AM | 33.45344 | 59.71933 | 26.26589 | 21.46411 | 47.63182 | 14.17838 | 24.47162 | 48.97612 | 15.52268 | 23.82732 | 40.77975 | 7.32631 | 22.48369 | 43.68022 | 10.22678 | 55.98322 |
| 2/3/2025 | 12:00:00 PM | 33.45009 | 59.6979 | 26.24781 | 21.48219 | 47.60499 | 14.1549 | 24.4951 | 48.95473 | 15.50464 | 23.84536 | 40.75828 | 7.30819 | 22.50181 | 43.65163 | 10.20154 | 56.00846 |
| 2/3/2025 | 1:00:00 PM | 33.45344 | 59.66576 | 26.21232 | 21.51768 | 47.58487 | 14.13143 | 24.51857 | 48.93334 | 15.4799 | 23.8701 | 40.7547 | 7.30126 | 22.50874 | 43.63733 | 10.18389 | 56.02611 |
| 2/3/2025 | 2:00:00 PM | 33.44675 | 59.65862 | 26.21187 | 21.51813 | 47.5681 | 14.12135 | 24.52865 | 48.92621 | 15.47946 | 23.87054 | 40.74755 | 7.3008 | 22.5092 | 43.63019 | 10.18344 | 56.02656 |
| 2/3/2025 | 3:00:00 PM | 33.43672 | 59.64791 | 26.21119 | 21.51881 | 47.54798 | 14.11126 | 24.53874 | 48.90838 | 15.47166 | 23.87834 | 40.73682 | 7.3001 | 22.5099 | 43.61232 | 10.1756 | 56.0344 |
| 2/3/2025 | 4:00:00 PM | 33.39324 | 59.6372 | 26.24396 | 21.48604 | 47.54127 | 14.14803 | 24.50197 | 48.89056 | 15.49732 | 23.85268 | 40.73682 | 7.34358 | 22.46642 | 43.61589 | 10.22265 | 55.98735 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/3/2025 | 5:00:00 PM | 33.39324 | 59.64791 | 26.25467 | 21.47533 | 47.53456 | 14.14132 | 24.50868 | 48.90125 | 15.50801 | 23.84199 | 40.74755 | 7.35431 | 22.45569 | 43.62304 | 10.2298 | 55.9802 |
| 2/3/2025 | 6:00:00 PM | 33.3899 | 59.65148 | 26.26158 | 21.46842 | 47.53121 | 14.14131 | 24.50869 | 48.90125 | 15.51135 | 23.83865 | 40.74397 | 7.35407 | 22.45593 | 43.62661 | 10.23671 | 55.97329 |
| 2/3/2025 | 7:00:00 PM | 33.3899 | 59.65148 | 26.26158 | 21.46842 | 47.53792 | 14.14802 | 24.50198 | 48.91195 | 15.52205 | 23.82795 | 40.74755 | 7.35765 | 22.45235 | 43.63733 | 10.24743 | 55.96257 |
| 2/3/2025 | 8:00:00 PM | 33.39659 | 59.65148 | 26.25489 | 21.47511 | 47.52785 | 14.13126 | 24.51874 | 48.90838 | 15.51179 | 23.83821 | 40.74397 | 7.34738 | 22.46262 | 43.63733 | 10.24074 | 55.96926 |
| 2/3/2025 | 9:00:00 PM | 33.38656 | 59.6372 | 26.25064 | 21.47936 | 47.51779 | 14.13123 | 24.51877 | 48.90125 | 15.51469 | 23.83531 | 40.73682 | 7.35026 | 22.45974 | 43.61947 | 10.23291 | 55.97709 |
| 2/3/2025 | 10:00:00 PM | 33.38656 | 59.64434 | 26.25778 | 21.47222 | 47.53121 | 14.14465 | 24.50535 | 48.90482 | 15.51826 | 23.83174 | 40.73682 | 7.35026 | 22.45974 | 43.63376 | 10.2472 | 55.9628 |
| 2/3/2025 | 11:00:00 PM | 33.39324 | 59.65862 | 26.26538 | 21.46462 | 47.54127 | 14.14803 | 24.50197 | 48.92265 | 15.52941 | 23.82059 | 40.74397 | 7.35073 | 22.45927 | 43.65163 | 10.25839 | 55.95161 |
| 2/4/2025 | 12:00:00 AM | 33.38656 | 59.64791 | 26.26135 | 21.46865 | 47.53121 | 14.14465 | 24.50535 | 48.92265 | 15.53609 | 23.81391 | 40.73682 | 7.35026 | 22.45974 | 43.64806 | 10.2615 | 55.9485 |
| 2/4/2025 | 1:00:00 AM | 33.38321 | 59.64791 | 26.2647 | 21.4653 | 47.53121 | 14.148 | 24.502 | 48.91908 | 15.53587 | 23.81413 | 40.73682 | 7.35361 | 22.45639 | 43.64091 | 10.2577 | 55.9523 |
| 2/4/2025 | 2:00:00 AM | 33.39324 | 59.65862 | 26.26538 | 21.46462 | 47.54798 | 14.15474 | 24.49526 | 48.93691 | 15.54367 | 23.80633 | 40.74039 | 7.34715 | 22.46285 | 43.6552 | 10.26196 | 55.94804 |
| 2/4/2025 | 3:00:00 AM | 33.39993 | 59.68362 | 26.28369 | 21.44631 | 47.57145 | 14.17152 | 24.47848 | 48.96543 | 15.5655 | 23.7845 | 40.7547 | 7.35477 | 22.45523 | 43.67665 | 10.27672 | 55.93328 |
| 2/4/2025 | 4:00:00 AM | 33.40662 | 59.68362 | 26.277 | 21.453 | 47.57145 | 14.16483 | 24.48517 | 48.96899 | 15.56237 | 23.78763 | 40.7547 | 7.34808 | 22.46192 | 43.67307 | 10.26645 | 55.94355 |
| 2/4/2025 | 5:00:00 AM | 33.39993 | 59.68719 | 26.28726 | 21.44274 | 47.57481 | 14.17488 | 24.47512 | 48.97612 | 15.57619 | 23.77381 | 40.74755 | 7.34762 | 22.46238 | 43.66593 | 10.266 | 55.944 |
| 2/4/2025 | 6:00:00 AM | 33.39659 | 59.68362 | 26.28703 | 21.44297 | 47.57816 | 14.18157 | 24.46843 | 48.98682 | 15.59023 | 23.75977 | 40.74755 | 7.35096 | 22.45904 | 43.67307 | 10.27648 | 55.93352 |
| 2/4/2025 | 7:00:00 AM | 33.40662 | 59.68005 | 26.27343 | 21.45657 | 47.57816 | 14.17154 | 24.47846 | 48.99039 | 15.58377 | 23.76623 | 40.75113 | 7.34451 | 22.46549 | 43.6552 | 10.24858 | 55.96142 |
| 2/4/2025 | 8:00:00 AM | 33.40662 | 59.69433 | 26.28771 | 21.44229 | 47.58822 | 14.1816 | 24.4684 | 48.99039 | 15.58377 | 23.76623 | 40.75113 | 7.34451 | 22.46549 | 43.6695 | 10.26288 | 55.94712 |
| 2/4/2025 | 9:00:00 AM | 33.41331 | 59.70504 | 26.29173 | 21.43827 | 47.60499 | 14.19168 | 24.45832 | 49.00821 | 15.5949 | 23.7551 | 40.76186 | 7.34855 | 22.46145 | 43.67307 | 10.25976 | 55.95024 |
| 2/4/2025 | 10:00:00 AM | 33.3899 | 59.70862 | 26.31872 | 21.41128 | 47.60835 | 14.21845 | 24.43155 | 49.01178 | 15.62188 | 23.72812 | 40.76544 | 7.37554 | 22.43446 | 43.67307 | 10.28317 | 55.92683 |
| 2/4/2025 | 11:00:00 AM | 33.39324 | 59.70147 | 26.30823 | 21.42177 | 47.59829 | 14.20505 | 24.44495 | 49.00821 | 15.61497 | 23.73503 | 40.7547 | 7.36146 | 22.44854 | 43.67307 | 10.27983 | 55.93017 |
| 2/4/2025 | 12:00:00 PM | 33.40662 | 59.67291 | 26.26629 | 21.46371 | 47.57816 | 14.17154 | 24.47846 | 48.97969 | 15.57307 | 23.77693 | 40.74397 | 7.33735 | 22.47265 | 43.64091 | 10.23429 | 55.97571 |
| 2/4/2025 | 1:00:00 PM | 33.43003 | 59.64077 | 26.21074 | 21.51926 | 47.54127 | 14.11124 | 24.53876 | 48.95117 | 15.52114 | 23.82886 | 40.7225 | 7.29247 | 22.51753 | 43.60874 | 10.17871 | 56.03129 |
| 2/4/2025 | 2:00:00 PM | 33.45344 | 59.63006 | 26.17662 | 21.55338 | 47.51779 | 14.06435 | 24.58565 | 48.93334 | 15.4799 | 23.8701 | 40.7225 | 7.26906 | 22.54094 | 43.58015 | 10.12671 | 56.08329 |
| 2/4/2025 | 3:00:00 PM | 33.43337 | 59.62291 | 26.18954 | 21.54046 | 47.50438 | 14.07101 | 24.57899 | 48.91552 | 15.48215 | 23.86785 | 40.7225 | 7.28913 | 22.52087 | 43.58015 | 10.14678 | 56.06322 |
| 2/4/2025 | 4:00:00 PM | 33.42 | 59.62291 | 26.20291 | 21.52709 | 47.49767 | 14.07767 | 24.57233 | 48.91552 | 15.49552 | 23.85448 | 40.7225 | 7.3025 | 22.5075 | 43.58373 | 10.16373 | 56.04627 |
| 2/4/2025 | 5:00:00 PM | 33.39993 | 59.61577 | 26.21584 | 21.51416 | 47.48761 | 14.08768 | 24.56232 | 48.90482 | 15.50489 | 23.84511 | 40.72608 | 7.32615 | 22.48385 | 43.58373 | 10.1838 | 56.0262 |
| 2/4/2025 | 6:00:00 PM | 33.36984 | 59.60506 | 26.23522 | 21.49478 | 47.4809 | 14.11106 | 24.53894 | 48.89769 | 15.52785 | 23.82215 | 40.71893 | 7.34909 | 22.46091 | 43.57658 | 10.20674 | 56.00326 |
| 2/4/2025 | 7:00:00 PM | 33.36315 | 59.6122 | 26.24905 | 21.48095 | 47.47419 | 14.11104 | 24.53896 | 48.89412 | 15.53097 | 23.81903 | 40.71893 | 7.35578 | 22.45422 | 43.58015 | 10.217 | 55.993 |
| 2/4/2025 | 8:00:00 PM | 33.3598 | 59.6122 | 26.2524 | 21.4776 | 47.48425 | 14.12445 | 24.52555 | 48.89769 | 15.53789 | 23.81211 | 40.7225 | 7.3627 | 22.4473 | 43.58373 | 10.22393 | 55.98607 |
| 2/4/2025 | 9:00:00 PM | 33.3598 | 59.61934 | 26.25954 | 21.47046 | 47.47419 | 14.11439 | 24.53561 | 48.90482 | 15.54502 | 23.80498 | 40.72608 | 7.36628 | 22.44372 | 43.59445 | 10.23465 | 55.97535 |
| 2/4/2025 | 10:00:00 PM | 33.35646 | 59.61934 | 26.26288 | 21.46712 | 47.4809 | 14.12444 | 24.52556 | 48.91195 | 15.55549 | 23.79451 | 40.72608 | 7.36962 | 22.44038 | 43.6016 | 10.24514 | 55.96486 |
| 2/4/2025 | 11:00:00 PM | 33.36315 | 59.62291 | 26.25976 | 21.47024 | 47.48761 | 14.12446 | 24.52554 | 48.91552 | 15.55237 | 23.79763 | 40.72608 | 7.36293 | 22.44707 | 43.60874 | 10.24559 | 55.96441 |
| 2/5/2025 | 12:00:00 AM | 33.36984 | 59.62649 | 26.25665 | 21.47335 | 47.48761 | 14.11777 | 24.53223 | 48.91552 | 15.54568 | 23.80432 | 40.7225 | 7.35266 | 22.45734 | 43.60874 | 10.2389 | 55.9711 |
| 2/5/2025 | 1:00:00 AM | 33.37318 | 59.62291 | 26.24973 | 21.48027 | 47.48761 | 14.11443 | 24.53557 | 48.91908 | 15.5459 | 23.8041 | 40.71535 | 7.34217 | 22.46783 | 43.6016 | 10.22842 | 55.98158 |
| 2/5/2025 | 2:00:00 AM | 33.37987 | 59.65148 | 26.27161 | 21.45839 | 47.50773 | 14.12786 | 24.52214 | 48.94047 | 15.5606 | 23.7894 | 40.73682 | 7.35695 | 22.45305 | 43.61947 | 10.2396 | 55.9704 |
| 2/5/2025 | 3:00:00 AM | 33.38656 | 59.66219 | 26.27563 | 21.45437 | 47.53121 | 14.14465 | 24.50535 | 48.96186 | 15.5753 | 23.7747 | 40.74397 | 7.35741 | 22.45259 | 43.64448 | 10.25792 | 55.95208 |
| 2/5/2025 | 4:00:00 AM | 33.38321 | 59.65862 | 26.27541 | 21.45459 | 47.54127 | 14.15806 | 24.49194 | 48.96899 | 15.58578 | 23.76422 | 40.73682 | 7.35361 | 22.45639 | 43.63376 | 10.25055 | 55.95945 |
| 2/5/2025 | 5:00:00 AM | 33.39324 | 59.68719 | 26.29395 | 21.43605 | 47.56139 | 14.16815 | 24.48185 | 48.99395 | 15.60071 | 23.74929 | 40.75113 | 7.35789 | 22.45211 | 43.65878 | 10.26554 | 55.94446 |
| 2/5/2025 | 6:00:00 AM | 33.40328 | 59.70504 | 26.30176 | 21.42824 | 47.57816 | 14.17488 | 24.47512 | 49.02247 | 15.61919 | 23.73081 | 40.7547 | 7.35142 | 22.45858 | 43.6552 | 10.25192 | 55.95808 |
| 2/5/2025 | 7:00:00 AM | 33.40662 | 59.70862 | 26.302 | 21.428 | 47.59829 | 14.19167 | 24.45833 | 49.02604 | 15.61942 | 23.73058 | 40.75828 | 7.35166 | 22.45834 | 43.66593 | 10.25931 | 55.95069 |
| 2/5/2025 | 8:00:00 AM | 33.42334 | 59.72647 | 26.30313 | 21.42687 | 47.61841 | 14.19507 | 24.45493 | 49.051 | 15.62766 | 23.72234 | 40.76186 | 7.33852 | 22.47148 | 43.68022 | 10.25688 | 55.95312 |
| 2/5/2025 | 9:00:00 AM | 33.44006 | 59.71933 | 26.27927 | 21.45073 | 47.63182 | 14.19176 | 24.45824 | 49.05813 | 15.61807 | 23.73193 | 40.77617 | 7.33611 | 22.47389 | 43.67307 | 10.23301 | 55.97699 |
| 2/5/2025 | 10:00:00 AM | 33.4434 | 59.72647 | 26.28307 | 21.44693 | 47.63853 | 14.19513 | 24.45487 | 49.06169 | 15.61829 | 23.73171 | 40.76902 | 7.32562 | 22.48438 | 43.6695 | 10.2261 | 55.9839 |
| 2/5/2025 | 11:00:00 AM | 33.44675 | 59.74432 | 26.29757 | 21.43243 | 47.6553 | 14.20855 | 24.44145 | 49.08308 | 15.63633 | 23.71367 | 40.79048 | 7.34373 | 22.46627 | 43.6838 | 10.23705 | 55.97295 |
| 2/5/2025 | 12:00:00 PM | 33.43337 | 59.73361 | 26.30024 | 21.42976 | 47.65195 | 14.21858 | 24.43142 | 49.07595 | 15.64258 | 23.70742 | 40.77617 | 7.3428 | 22.4672 | 43.65878 | 10.22541 | 55.98459 |
| 2/5/2025 | 1:00:00 PM | 33.43672 | 59.7229 | 26.28618 | 21.44382 | 47.63182 | 14.1951 | 24.4549 | 49.051 | 15.61428 | 23.73572 | 40.76544 | 7.32872 | 22.48128 | 43.63376 | 10.19704 | 56.01296 |
| 2/5/2025 | 2:00:00 PM | 33.43337 | 59.71576 | 26.28239 | 21.44761 | 47.62176 | 14.18839 | 24.46161 | 49.0403 | 15.60693 | 23.74307 | 40.75828 | 7.32491 | 22.48509 | 43.62304 | 10.18967 | 56.02033 |
| 2/5/2025 | 3:00:00 PM | 33.43003 | 59.75504 | 26.32501 | 21.40499 | 47.65195 | 14.22192 | 24.42808 | 49.07595 | 15.64592 | 23.70408 | 40.79406 | 7.36403 | 22.44597 | 43.65163 | 10.2216 | 55.9884 |
| 2/5/2025 | 4:00:00 PM | 33.43337 | 59.74075 | 26.30738 | 21.42262 | 47.64524 | 14.21187 | 24.43813 | 49.06882 | 15.63545 | 23.71455 | 40.78333 | 7.34996 | 22.46004 | 43.63376 | 10.20039 | 56.00961 |
| 2/5/2025 | 5:00:00 PM | 33.42668 | 59.73004 | 26.30336 | 21.42664 | 47.63853 | 14.21185 | 24.43815 | 49.06169 | 15.63501 | 23.71499 | 40.77975 | 7.35307 | 22.45693 | 43.62304 | 10.19636 | 56.01364 |
| 2/5/2025 | 6:00:00 PM | 33.43672 | 59.7479 | 26.31118 | 21.41882 | 47.64859 | 14.21187 | 24.43813 | 49.06882 | 15.6321 | 23.7179 | 40.79764 | 7.36092 | 22.44908 | 43.63376 | 10.19704 | 56.01296 |
| 2/5/2025 | 7:00:00 PM | 33.43337 | 59.76575 | 26.33238 | 21.39762 | 47.66872 | 14.23535 | 24.41465 | 49.08665 | 15.65328 | 23.69672 | 40.80122 | 7.36785 | 22.44215 | 43.6552 | 10.22183 | 55.98817 |
| 2/5/2025 | 8:00:00 PM | 33.4434 | 59.77289 | 26.32949 | 21.40051 | 47.68213 | 14.23873 | 24.41127 | 49.09378 | 15.65038 | 23.69962 | 40.80479 | 7.36139 | 22.44861 | 43.65878 | 10.21538 | 55.99462 |
| 2/5/2025 | 9:00:00 PM | 33.45009 | 59.77289 | 26.3228 | 21.4072 | 47.68884 | 14.23875 | 24.41125 | 49.10447 | 15.65438 | 23.69562 | 40.81195 | 7.36186 | 22.44814 | 43.65878 | 10.20869 | 56.00131 |
| 2/5/2025 | 10:00:00 PM | 33.48353 | 59.79789 | 26.31436 | 21.41564 | 47.70896 | 14.22543 | 24.42457 | 49.12943 | 15.6459 | 23.7041 | 40.82626 | 7.34273 | 22.46727 | 43.6695 | 10.18597 | 56.02403 |
| 2/5/2025 | 11:00:00 PM | 33.47684 | 59.79789 | 26.32105 | 21.40895 | 47.71567 | 14.23883 | 24.41117 | 49.12943 | 15.65259 | 23.69741 | 40.82984 | 7.353 | 22.457 | 43.66593 | 10.18909 | 56.02091 |
| 2/6/2025 | 12:00:00 AM | 33.48019 | 59.81574 | 26.33555 | 21.39445 | 47.7358 | 14.25561 | 24.39439 | 49.15082 | 15.67063 | 23.67937 | 40.84057 | 7.36038 | 22.44962 | 43.67665 | 10.19646 | 56.01354 |
| 2/6/2025 | 1:00:00 AM | 33.49022 | 59.8336 | 26.34338 | 21.38662 | 47.74921 | 14.25899 | 24.39101 | 49.16508 | 15.67486 | 23.67514 | 40.85131 | 7.36109 | 22.44891 | 43.68022 | 10.19 | 56.02 |
| 2/6/2025 | 2:00:00 AM | 33.527 | 59.84074 | 26.31374 | 21.41626 | 47.75592 | 14.22892 | 24.42108 | 49.16865 | 15.64165 | 23.70835 | 40.85131 | 7.32431 | 22.48569 | 43.6838 | 10.1568 | 56.0532 |
| 2/6/2025 | 3:00:00 AM | 33.55376 | 59.85145 | 26.29769 | 21.43231 | 47.7794 | 14.22564 | 24.42436 | 49.19361 | 15.63985 | 23.71015 | 40.86562 | 7.31186 | 22.49814 | 43.69809 | 10.14433 | 56.06567 |
| 2/6/2025 | 4:00:00 AM | 33.56379 | 59.86573 | 26.30194 | 21.42806 | 47.78275 | 14.21896 | 24.43104 | 49.19361 | 15.62982 | 23.72018 | 40.86562 | 7.30183 | 22.50817 | 43.69094 | 10.12715 | 56.08285 |
| 2/6/2025 | 5:00:00 AM | 33.55376 | 59.8693 | 26.31554 | 21.41446 | 47.79281 | 14.23905 | 24.41095 | 49.2043 | 15.65054 | 23.69946 | 40.87635 | 7.32259 | 22.48741 | 43.69452 | 10.14076 | 56.06924 |
| 2/6/2025 | 6:00:00 AM | 33.56044 | 59.8693 | 26.30886 | 21.42114 | 47.78946 | 14.22902 | 24.42098 | 49.2043 | 15.64386 | 23.70614 | 40.86562 | 7.30518 | 22.50482 | 43.68022 | 10.11978 | 56.09022 |
| 2/6/2025 | 7:00:00 AM | 33.58051 | 59.8693 | 26.28879 | 21.44121 | 47.79617 | 14.21566 | 24.43434 | 49.20787 | 15.62736 | 23.72264 | 40.87277 | 7.29226 | 22.51774 | 43.67307 | 10.09256 | 56.11744 |
| 2/6/2025 | 8:00:00 AM | 33.58385 | 59.87645 | 26.2926 | 21.4374 | 47.80623 | 14.22238 | 24.42762 | 49.21143 | 15.62758 | 23.72242 | 40.88351 | 7.29966 | 22.51034 | 43.67665 | 10.0928 | 56.1172 |
| 2/6/2025 | 9:00:00 AM | 33.59054 | 59.89073 | 26.30019 | 21.42981 | 47.81629 | 14.22575 | 24.42425 | 49.22213 | 15.63159 | 23.71841 | 40.89782 | 7.30728 | 22.50272 | 43.69094 | 10.1004 | 56.1096 |
| 2/6/2025 | 10:00:00 AM | 33.59388 | 59.89787 | 26.30399 | 21.42601 | 47.823 | 14.22912 | 24.42088 | 49.23282 | 15.63894 | 23.71106 | 40.90139 | 7.30751 | 22.50249 | 43.68737 | 10.09349 | 56.11651 |
| 2/6/2025 | 11:00:00 AM | 33.59054 | 59.89787 | 26.30733 | 21.42267 | 47.81629 | 14.22575 | 24.42425 | 49.22926 | 15.63872 | 23.71128 | 40.90139 | 7.31085 | 22.49915 | 43.68737 | 10.09683 | 56.11317 |
| 2/6/2025 | 12:00:00 PM | 33.58051 | 59.89073 | 26.31022 | 21.41978 | 47.80958 | 14.22907 | 24.42093 | 49.215 | 15.63449 | 23.71551 | 40.88708 | 7.30657 | 22.50343 | 43.66593 | 10.08542 | 56.12458 |
| 2/6/2025 | 1:00:00 PM | 33.59054 | 59.8693 | 26.27876 | 21.45124 | 47.7794 | 14.18886 | 24.46114 | 49.18648 | 15.59594 | 23.75406 | 40.88708 | 7.29654 | 22.51346 | 43.63376 | 10.04322 | 56.16678 |
| 2/6/2025 | 2:00:00 PM | 33.58051 | 59.85859 | 26.27808 | 21.45192 | 47.75927 | 14.17876 | 24.47124 | 49.16508 | 15.58457 | 23.76543 | 40.87993 | 7.29942 | 22.51058 | 43.61947 | 10.03896 | 56.17104 |
| 2/6/2025 | 3:00:00 PM | 33.57382 | 59.8336 | 26.25978 | 21.47022 | 47.72573 | 14.15191 | 24.49809 | 49.133 | 15.55918 | 23.79082 | 40.87993 | 7.30611 | 22.50389 | 43.6016 | 10.02778 | 56.18222 |
| 2/6/2025 | 4:00:00 PM | 33.57048 | 59.83003 | 26.25955 | 21.47045 | 47.71567 | 14.14519 | 24.50481 | 49.12587 | 15.55539 | 23.79461 | 40.87993 | 7.30945 | 22.50055 | 43.59802 | 10.02754 | 56.18246 |
| 2/6/2025 | 5:00:00 PM | 33.56713 | 59.83003 | 26.2629 | 21.4671 | 47.70896 | 14.14183 | 24.50817 | 49.1116 | 15.54447 | 23.80553 | 40.87993 | 7.3128 | 22.4972 | 43.59802 | 10.03089 | 56.17911 |
| 2/6/2025 | 6:00:00 PM | 33.5571 | 59.81931 | 26.26221 | 21.46779 | 47.69219 | 14.13509 | 24.51491 | 49.10447 | 15.54737 | 23.80263 | 40.87635 | 7.31925 | 22.49075 | 43.59087 | 10.03377 | 56.17623 |
| 2/6/2025 | 7:00:00 PM | 33.54707 | 59.8086 | 26.26153 | 21.46847 | 47.68213 | 14.13506 | 24.51494 | 49.09734 | 15.55027 | 23.79973 | 40.87635 | 7.32928 | 22.48072 | 43.59087 | 10.0438 | 56.1662 |
| 2/6/2025 | 8:00:00 PM | 33.54038 | 59.81217 | 26.27179 | 21.45821 | 47.68884 | 14.14846 | 24.50154 | 49.09734 | 15.55696 | 23.79304 | 40.88708 | 7.3467 | 22.4633 | 43.60517 | 10.06479 | 56.14521 |
| 2/6/2025 | 9:00:00 PM | 33.54372 | 59.82288 | 26.27916 | 21.45084 | 47.69219 | 14.14847 | 24.50153 | 49.09378 | 15.55006 | 23.79994 | 40.89066 | 7.34694 | 22.46306 | 43.61947 | 10.07575 | 56.13425 |
| 2/6/2025 | 10:00:00 PM | 33.54038 | 59.83003 | 26.28965 | 21.44035 | 47.69555 | 14.15517 | 24.49483 | 49.10091 | 15.56053 | 23.78947 | 40.89782 | 7.35744 | 22.45256 | 43.61947 | 10.07909 | 56.13091 |
| 2/6/2025 | 11:00:00 PM | 33.54038 | 59.81931 | 26.27893 | 21.45107 | 47.68884 | 14.14846 | 24.50154 | 49.09021 | 15.54983 | 23.80017 | 40.89066 | 7.35028 | 22.45972 | 43.62304 | 10.08266 | 56.12734 |
| 2/7/2025 | 12:00:00 AM | 33.53704 | 59.82288 | 26.28584 | 21.44416 | 47.68884 | 14.1518 | 24.4982 | 49.09378 | 15.55674 | 23.79326 | 40.89066 | 7.35362 | 22.45638 | 43.62304 | 10.086 | 56.124 |
| 2/7/2025 | 1:00:00 AM | 33.53704 | 59.81217 | 26.27513 | 21.45487 | 47.68213 | 14.14509 | 24.50491 | 49.09378 | 15.55674 | 23.79326 | 40.88708 | 7.35004 | 22.45996 | 43.61947 | 10.08243 | 56.12757 |
| 2/7/2025 | 2:00:00 AM | 33.53035 | 59.81931 | 26.28896 | 21.44104 | 47.68213 | 14.15178 | 24.49822 | 49.09021 | 15.55986 | 23.79014 | 40.88708 | 7.35673 | 22.45327 | 43.62304 | 10.09269 | 56.11731 |
| 2/7/2025 | 3:00:00 AM | 33.54038 | 59.8336 | 26.29322 | 21.43678 | 47.69219 | 14.15181 | 24.49819 | 49.09734 | 15.55696 | 23.79304 | 40.89782 | 7.35744 | 22.45256 | 43.64091 | 10.10053 | 56.10947 |
| 2/7/2025 | 4:00:00 AM | 33.527 | 59.84074 | 26.31374 | 21.41626 | 47.69555 | 14.16855 | 24.48145 | 49.10091 | 15.57391 | 23.77609 | 40.89782 | 7.37082 | 22.43918 | 43.64448 | 10.11748 | 56.09252 |
| 2/7/2025 | 5:00:00 AM | 33.53704 | 59.86216 | 26.32512 | 21.40488 | 47.72573 | 14.18869 | 24.46131 | 49.12943 | 15.59239 | 23.75761 | 40.91571 | 7.37867 | 22.43133 | 43.6695 | 10.13246 | 56.07754 |
| 2/7/2025 | 6:00:00 AM | 33.54372 | 59.8693 | 26.32558 | 21.40442 | 47.74586 | 14.20214 | 24.44786 | 49.15082 | 15.6071 | 23.7429 | 40.92644 | 7.38272 | 22.42728 | 43.68737 | 10.14365 | 56.06635 |
| 2/7/2025 | 7:00:00 AM | 33.5571 | 59.90144 | 26.34434 | 21.38566 | 47.7794 | 14.2223 | 24.4277 | 49.18648 | 15.62938 | 23.72062 | 40.93717 | 7.38007 | 22.42993 | 43.71239 | 10.15529 | 56.05471 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/7/2025 | 8:00:00 AM | 33.57048 | 59.93001 | 26.35953 | 21.37047 | 47.80623 | 14.23575 | 24.41425 | 49.215 | 15.64452 | 23.70548 | 40.95148 | 7.381 | 22.429 | 43.72668 | 10.1562 | 56.0538 |
| 2/7/2025 | 9:00:00 AM | 33.60726 | 59.95501 | 26.34775 | 21.38225 | 47.83977 | 14.23251 | 24.41749 | 49.24709 | 15.63983 | 23.71017 | 40.96579 | 7.35853 | 22.45147 | 43.74098 | 10.13372 | 56.07628 |
| 2/7/2025 | 10:00:00 AM | 33.65408 | 59.96572 | 26.31164 | 21.41836 | 47.86995 | 14.21587 | 24.43413 | 49.26848 | 15.6144 | 23.7356 | 40.98011 | 7.32603 | 22.48397 | 43.75527 | 10.10119 | 56.10881 |
| 2/7/2025 | 11:00:00 AM | 33.69086 | 59.98714 | 26.29628 | 21.43372 | 47.89343 | 14.20257 | 24.44743 | 49.2863 | 15.59544 | 23.75456 | 40.98011 | 7.28925 | 22.52075 | 43.766 | 10.07514 | 56.13486 |
| 2/7/2025 | 12:00:00 PM | 33.72096 | 59.99786 | 26.2769 | 21.4531 | 47.9169 | 14.19594 | 24.45406 | 49.30413 | 15.58317 | 23.76683 | 40.98368 | 7.26272 | 22.54728 | 43.75885 | 10.03789 | 56.17211 |
| 2/7/2025 | 1:00:00 PM | 33.75105 | 60.00857 | 26.25752 | 21.47248 | 47.93032 | 14.17927 | 24.47073 | 49.32552 | 15.57447 | 23.77553 | 40.998 | 7.24695 | 22.56305 | 43.766 | 10.01495 | 56.19505 |
| 2/7/2025 | 2:00:00 PM | 33.74102 | 60.01928 | 26.27826 | 21.45174 | 47.94709 | 14.20607 | 24.44393 | 49.33622 | 15.5952 | 23.7548 | 41.00515 | 7.26413 | 22.54587 | 43.766 | 10.02498 | 56.18502 |
| 2/7/2025 | 3:00:00 PM | 33.75774 | 60.02999 | 26.27225 | 21.45775 | 47.96051 | 14.20277 | 24.44723 | 49.34691 | 15.58917 | 23.76083 | 41.00515 | 7.24741 | 22.56259 | 43.76242 | 10.00468 | 56.20532 |
| 2/7/2025 | 4:00:00 PM | 33.7778 | 60.05142 | 26.27362 | 21.45638 | 47.98398 | 14.20618 | 24.44382 | 49.3683 | 15.5905 | 23.7595 | 41.02304 | 7.24524 | 22.56476 | 43.76957 | 9.99177 | 56.21823 |
| 2/7/2025 | 5:00:00 PM | 33.78784 | 60.04785 | 26.26001 | 21.46999 | 47.99069 | 14.20285 | 24.44715 | 49.3683 | 15.58046 | 23.76954 | 41.02662 | 7.23878 | 22.57122 | 43.75885 | 9.97101 | 56.23899 |
| 2/7/2025 | 6:00:00 PM | 33.79787 | 60.05856 | 26.26069 | 21.46931 | 47.9974 | 14.19953 | 24.45047 | 49.37187 | 15.574 | 23.776 | 41.0302 | 7.23233 | 22.57767 | 43.75885 | 9.96098 | 56.24902 |
| 2/7/2025 | 7:00:00 PM | 33.82796 | 60.07642 | 26.24846 | 21.48154 | 48.00746 | 14.1795 | 24.4705 | 49.3897 | 15.56174 | 23.78826 | 41.04093 | 7.21297 | 22.59703 | 43.76242 | 9.93446 | 56.27554 |
| 2/7/2025 | 8:00:00 PM | 33.83465 | 60.07284 | 26.23819 | 21.49181 | 48.01752 | 14.18287 | 24.46713 | 49.38257 | 15.54792 | 23.80208 | 41.04808 | 7.21343 | 22.59657 | 43.7517 | 9.91705 | 56.29295 |
| 2/7/2025 | 9:00:00 PM | 33.82796 | 60.0907 | 26.26274 | 21.46726 | 48.02088 | 14.19292 | 24.45708 | 49.3897 | 15.56174 | 23.78826 | 41.05524 | 7.22728 | 22.58272 | 43.7517 | 9.92374 | 56.28626 |
| 2/7/2025 | 10:00:00 PM | 33.83131 | 60.09427 | 26.26296 | 21.46704 | 48.02423 | 14.19292 | 24.45708 | 49.39326 | 15.56195 | 23.78805 | 41.0624 | 7.23109 | 22.57891 | 43.75527 | 9.92396 | 56.28604 |
| 2/7/2025 | 11:00:00 PM | 33.84134 | 60.09427 | 26.25293 | 21.47707 | 48.03429 | 14.19295 | 24.45705 | 49.40396 | 15.56262 | 23.78738 | 41.06955 | 7.22821 | 22.58179 | 43.75527 | 9.91393 | 56.29607 |
| 2/8/2025 | 12:00:00 AM | 33.85472 | 60.10498 | 26.25026 | 21.47974 | 48.03764 | 14.18292 | 24.46708 | 49.40396 | 15.54924 | 23.80076 | 41.08028 | 7.22556 | 22.58444 | 43.75885 | 9.90413 | 56.30587 |
| 2/8/2025 | 1:00:00 AM | 33.85137 | 60.11212 | 26.26075 | 21.46925 | 48.03094 | 14.17957 | 24.47043 | 49.40396 | 15.55259 | 23.79741 | 41.08386 | 7.23249 | 22.57751 | 43.75527 | 9.9039 | 56.3061 |
| 2/8/2025 | 2:00:00 AM | 33.84468 | 60.11212 | 26.26744 | 21.46256 | 48.03429 | 14.18961 | 24.46039 | 49.39683 | 15.55215 | 23.79785 | 41.08744 | 7.24276 | 22.56724 | 43.74455 | 9.89987 | 56.31013 |
| 2/8/2025 | 3:00:00 AM | 33.84803 | 60.11212 | 26.26409 | 21.46591 | 48.03429 | 14.18626 | 24.46374 | 49.39326 | 15.54523 | 23.80477 | 41.0946 | 7.24657 | 22.56343 | 43.7517 | 9.90367 | 56.30633 |
| 2/8/2025 | 4:00:00 AM | 33.84468 | 60.10498 | 26.2603 | 21.4697 | 48.02423 | 14.17955 | 24.47045 | 49.38613 | 15.54145 | 23.80855 | 41.09817 | 7.25349 | 22.55651 | 43.74098 | 9.8963 | 56.3137 |
| 2/8/2025 | 5:00:00 AM | 33.85137 | 60.11927 | 26.2679 | 21.4621 | 48.02758 | 14.17621 | 24.47379 | 49.40039 | 15.54902 | 23.80098 | 41.10891 | 7.25754 | 22.55246 | 43.7517 | 9.90033 | 56.30967 |
| 2/8/2025 | 6:00:00 AM | 33.84803 | 60.12284 | 26.27481 | 21.45519 | 48.03429 | 14.18626 | 24.46374 | 49.40039 | 15.55236 | 23.79764 | 41.11606 | 7.26803 | 22.54197 | 43.74813 | 9.9001 | 56.3099 |
| 2/8/2025 | 7:00:00 AM | 33.85137 | 60.13355 | 26.28218 | 21.44782 | 48.041 | 14.18963 | 24.46037 | 49.40752 | 15.55615 | 23.79385 | 41.1268 | 7.27543 | 22.53457 | 43.7517 | 9.90033 | 56.30967 |
| 2/8/2025 | 8:00:00 AM | 33.87478 | 60.15497 | 26.28019 | 21.44981 | 48.06448 | 14.1897 | 24.4603 | 49.42178 | 15.547 | 23.803 | 41.14111 | 7.26633 | 22.54367 | 43.77672 | 9.90194 | 56.30806 |
| 2/8/2025 | 9:00:00 AM | 33.88481 | 60.16569 | 26.28088 | 21.44912 | 48.07454 | 14.18973 | 24.46027 | 49.43961 | 15.5548 | 23.7952 | 41.14826 | 7.26345 | 22.54655 | 43.78386 | 9.89905 | 56.31095 |
| 2/8/2025 | 10:00:00 AM | 33.91156 | 60.19425 | 26.28269 | 21.44731 | 48.09466 | 14.1831 | 24.4669 | 49.45744 | 15.54588 | 23.80412 | 41.16257 | 7.25101 | 22.55899 | 43.80531 | 9.89375 | 56.31625 |
| 2/8/2025 | 11:00:00 AM | 33.93163 | 60.20854 | 26.27691 | 21.45309 | 48.11143 | 14.1798 | 24.4702 | 49.4717 | 15.54007 | 23.80993 | 41.16973 | 7.2381 | 22.5719 | 43.80888 | 9.87725 | 56.33275 |
| 2/8/2025 | 12:00:00 PM | 33.93832 | 60.20497 | 26.26665 | 21.46335 | 48.10808 | 14.16976 | 24.48024 | 49.461 | 15.52268 | 23.82732 | 41.16257 | 7.22425 | 22.58575 | 43.79816 | 9.85984 | 56.35016 |
| 2/8/2025 | 1:00:00 PM | 33.94835 | 60.20854 | 26.26019 | 21.46981 | 48.10808 | 14.15973 | 24.49027 | 49.48239 | 15.53404 | 23.81596 | 41.17331 | 7.22496 | 22.58504 | 43.79816 | 9.84981 | 56.36019 |
| 2/8/2025 | 2:00:00 PM | 33.95504 | 60.21925 | 26.26421 | 21.46579 | 48.12149 | 14.16645 | 24.48355 | 49.4717 | 15.51666 | 23.83334 | 41.18762 | 7.23258 | 22.57742 | 43.80888 | 9.85384 | 56.35616 |
| 2/8/2025 | 3:00:00 PM | 33.96507 | 60.22996 | 26.26489 | 21.46511 | 48.13826 | 14.17319 | 24.47681 | 49.49309 | 15.52802 | 23.82198 | 41.19477 | 7.2297 | 22.5803 | 43.80531 | 9.84024 | 56.36976 |
| 2/8/2025 | 4:00:00 PM | 33.96507 | 60.24782 | 26.28275 | 21.44725 | 48.15168 | 14.18661 | 24.46339 | 49.50378 | 15.53871 | 23.81129 | 41.20551 | 7.24044 | 22.56956 | 43.82318 | 9.85811 | 56.35189 |
| 2/8/2025 | 5:00:00 PM | 33.97844 | 60.25496 | 26.27652 | 21.45348 | 48.15503 | 14.17659 | 24.47341 | 49.51805 | 15.53961 | 23.81039 | 41.21266 | 7.23422 | 22.57578 | 43.82318 | 9.84474 | 56.36526 |
| 2/8/2025 | 6:00:00 PM | 33.98848 | 60.27281 | 26.28433 | 21.44567 | 48.17515 | 14.18667 | 24.46333 | 49.52161 | 15.53313 | 23.81687 | 41.22697 | 7.23849 | 22.57151 | 43.83747 | 9.84899 | 56.36101 |
| 2/8/2025 | 7:00:00 PM | 33.99182 | 60.27996 | 26.28814 | 21.44186 | 48.17851 | 14.18669 | 24.46331 | 49.52518 | 15.53336 | 23.81664 | 41.22697 | 7.23515 | 22.57485 | 43.8339 | 9.84208 | 56.36792 |
| 2/8/2025 | 8:00:00 PM | 34.00185 | 60.2871 | 26.28525 | 21.44475 | 48.19528 | 14.19343 | 24.45657 | 49.53587 | 15.53402 | 23.81598 | 41.23413 | 7.23228 | 22.57772 | 43.8339 | 9.83205 | 56.37795 |
| 2/8/2025 | 9:00:00 PM | 34.02526 | 60.29781 | 26.27255 | 21.45745 | 48.20869 | 14.18343 | 24.46657 | 49.55013 | 15.52487 | 23.82513 | 41.25202 | 7.22676 | 22.58324 | 43.84462 | 9.81936 | 56.39064 |
| 2/8/2025 | 10:00:00 PM | 34.04532 | 60.31209 | 26.26677 | 21.46323 | 48.22882 | 14.1835 | 24.4665 | 49.57152 | 15.5262 | 23.8238 | 41.26275 | 7.21743 | 22.59257 | 43.85177 | 9.80645 | 56.40355 |
| 2/8/2025 | 11:00:00 PM | 34.04867 | 60.32638 | 26.27771 | 21.45229 | 48.23888 | 14.19021 | 24.45979 | 49.57509 | 15.52642 | 23.82358 | 41.26991 | 7.22124 | 22.58876 | 43.85892 | 9.81025 | 56.39975 |
| 2/9/2025 | 12:00:00 AM | 34.06204 | 60.33709 | 26.27505 | 21.45495 | 48.24559 | 14.18355 | 24.46645 | 49.58222 | 15.52018 | 23.82982 | 41.27706 | 7.21502 | 22.59498 | 43.85892 | 9.79688 | 56.41312 |
| 2/9/2025 | 1:00:00 AM | 34.07542 | 60.34066 | 26.26524 | 21.46476 | 48.25565 | 14.18023 | 24.46977 | 49.59292 | 15.5175 | 23.8325 | 41.2878 | 7.21238 | 22.59762 | 43.86964 | 9.79422 | 56.41578 |
| 2/9/2025 | 2:00:00 AM | 34.07208 | 60.3478 | 26.27572 | 21.45428 | 48.259 | 14.18692 | 24.46308 | 49.58935 | 15.51727 | 23.83273 | 41.2878 | 7.21572 | 22.59428 | 43.86249 | 9.79041 | 56.41959 |
| 2/9/2025 | 3:00:00 AM | 34.07876 | 60.35494 | 26.27618 | 21.45382 | 48.26906 | 14.1903 | 24.4597 | 49.60005 | 15.52129 | 23.82871 | 41.30926 | 7.2305 | 22.5795 | 43.86606 | 9.7873 | 56.4227 |
| 2/9/2025 | 4:00:00 AM | 34.07208 | 60.35851 | 26.28643 | 21.44357 | 48.26235 | 14.19027 | 24.45973 | 49.60361 | 15.53153 | 23.81847 | 41.29853 | 7.22645 | 22.58355 | 43.85534 | 9.78326 | 56.42674 |
| 2/9/2025 | 5:00:00 AM | 34.07542 | 60.36566 | 26.29024 | 21.43976 | 48.27242 | 14.197 | 24.453 | 49.60361 | 15.52819 | 23.82181 | 41.30569 | 7.23027 | 22.57973 | 43.86606 | 9.79064 | 56.41936 |
| 2/9/2025 | 6:00:00 AM | 34.07876 | 60.3728 | 26.29404 | 21.43596 | 48.27242 | 14.19366 | 24.45634 | 49.59648 | 15.51772 | 23.83228 | 41.31642 | 7.23766 | 22.57234 | 43.86249 | 9.78373 | 56.42627 |
| 2/9/2025 | 7:00:00 AM | 34.07542 | 60.35851 | 26.28309 | 21.44691 | 48.26571 | 14.19029 | 24.45971 | 49.59648 | 15.52106 | 23.82894 | 41.31642 | 7.241 | 22.569 | 43.85177 | 9.77635 | 56.43365 |
| 2/9/2025 | 8:00:00 AM | 34.09548 | 60.37994 | 26.28446 | 21.44554 | 48.28583 | 14.19035 | 24.45965 | 49.61787 | 15.52239 | 23.82761 | 41.33431 | 7.23883 | 22.57117 | 43.88036 | 9.78488 | 56.42512 |
| 2/9/2025 | 9:00:00 AM | 34.10886 | 60.39065 | 26.28179 | 21.44821 | 48.29254 | 14.18368 | 24.46632 | 49.625 | 15.51614 | 23.83386 | 41.34146 | 7.2326 | 22.5774 | 43.89108 | 9.78222 | 56.42778 |
| 2/9/2025 | 10:00:00 AM | 34.1122 | 60.39065 | 26.27845 | 21.45155 | 48.28919 | 14.17699 | 24.47301 | 49.62144 | 15.50924 | 23.84076 | 41.34146 | 7.22926 | 22.58074 | 43.89108 | 9.77888 | 56.43112 |
| 2/9/2025 | 11:00:00 AM | 34.14564 | 60.39779 | 26.25215 | 21.47785 | 48.29589 | 14.15025 | 24.49975 | 49.625 | 15.47936 | 23.87064 | 41.35935 | 7.21371 | 22.59629 | 43.88751 | 9.74187 | 56.46813 |
| 2/9/2025 | 12:00:00 PM | 34.1724 | 60.39065 | 26.21825 | 21.51175 | 48.28248 | 14.11008 | 24.53992 | 49.61431 | 15.44191 | 23.90809 | 41.35578 | 7.18338 | 22.62662 | 43.88393 | 9.71153 | 56.49847 |
| 2/9/2025 | 1:00:00 PM | 34.15568 | 60.37637 | 26.22069 | 21.50931 | 48.27577 | 14.12009 | 24.52991 | 49.60361 | 15.44793 | 23.90207 | 41.34862 | 7.19294 | 22.61706 | 43.86606 | 9.71038 | 56.49962 |
| 2/9/2025 | 2:00:00 PM | 34.15233 | 60.39065 | 26.23832 | 21.49168 | 48.26571 | 14.11338 | 24.53662 | 49.60718 | 15.45485 | 23.89515 | 41.36293 | 7.2106 | 22.5994 | 43.87321 | 9.72088 | 56.48912 |
| 2/9/2025 | 3:00:00 PM | 34.14564 | 60.38351 | 26.23787 | 21.49213 | 48.26235 | 14.11671 | 24.53329 | 49.58935 | 15.44371 | 23.90629 | 41.37009 | 7.22445 | 22.58555 | 43.87321 | 9.72757 | 56.48243 |
| 2/9/2025 | 4:00:00 PM | 34.13561 | 60.39065 | 26.25504 | 21.47496 | 48.26571 | 14.1301 | 24.5199 | 49.59648 | 15.46087 | 23.88913 | 41.37366 | 7.23805 | 22.57195 | 43.87679 | 9.74118 | 56.46882 |
| 2/9/2025 | 5:00:00 PM | 34.12558 | 60.37994 | 26.25436 | 21.47564 | 48.259 | 14.13342 | 24.51658 | 49.58935 | 15.46377 | 23.88623 | 41.37366 | 7.24808 | 22.56192 | 43.87679 | 9.75121 | 56.45879 |
| 2/9/2025 | 6:00:00 PM | 34.10552 | 60.39422 | 26.2887 | 21.4413 | 48.26571 | 14.16019 | 24.48981 | 49.58579 | 15.48027 | 23.86973 | 41.38082 | 7.2753 | 22.5347 | 43.88036 | 9.77484 | 56.43516 |
| 2/9/2025 | 7:00:00 PM | 34.10552 | 60.40494 | 26.29942 | 21.43058 | 48.27242 | 14.1669 | 24.4831 | 49.60361 | 15.49809 | 23.85191 | 41.39513 | 7.28961 | 22.52039 | 43.89823 | 9.79271 | 56.41729 |
| 2/9/2025 | 8:00:00 PM | 34.10217 | 60.39779 | 26.29562 | 21.43438 | 48.27242 | 14.17025 | 24.47975 | 49.58935 | 15.48718 | 23.86282 | 41.39513 | 7.29296 | 22.51704 | 43.89108 | 9.78891 | 56.42109 |
| 2/9/2025 | 9:00:00 PM | 34.10217 | 60.40137 | 26.2992 | 21.4308 | 48.26906 | 14.16689 | 24.48311 | 49.59292 | 15.49075 | 23.85925 | 41.39513 | 7.29296 | 22.51704 | 43.9018 | 9.79963 | 56.41037 |
| 2/9/2025 | 10:00:00 PM | 34.10217 | 60.40494 | 26.30277 | 21.42723 | 48.27577 | 14.1736 | 24.4764 | 49.60361 | 15.50144 | 23.84856 | 41.40586 | 7.30369 | 22.50631 | 43.90538 | 9.80321 | 56.40679 |
| 2/9/2025 | 11:00:00 PM | 34.10217 | 60.41208 | 26.30991 | 21.42009 | 48.28248 | 14.18031 | 24.46969 | 49.60361 | 15.50144 | 23.84856 | 41.40586 | 7.30369 | 22.50631 | 43.9018 | 9.79963 | 56.41037 |
| 2/10/2025 | 12:00:00 AM | 34.0888 | 60.41208 | 26.32328 | 21.40672 | 48.27242 | 14.18362 | 24.46638 | 49.59648 | 15.50768 | 23.84232 | 41.40229 | 7.31349 | 22.49651 | 43.9018 | 9.813 | 56.397 |
| 2/10/2025 | 1:00:00 AM | 34.0888 | 60.40851 | 26.31971 | 21.41029 | 48.27242 | 14.18362 | 24.46638 | 49.59648 | 15.50768 | 23.84232 | 41.40586 | 7.31706 | 22.49294 | 43.89823 | 9.80943 | 56.40057 |
| 2/10/2025 | 2:00:00 AM | 34.09883 | 60.40494 | 26.30611 | 21.42389 | 48.27912 | 14.18029 | 24.46971 | 49.59292 | 15.49409 | 23.85591 | 41.40944 | 7.31061 | 22.49939 | 43.90895 | 9.81012 | 56.39988 |
| 2/10/2025 | 3:00:00 AM | 34.09548 | 60.41208 | 26.3166 | 21.4134 | 48.27577 | 14.18029 | 24.46971 | 49.60005 | 15.50457 | 23.84543 | 41.4166 | 7.32112 | 22.48888 | 43.91967 | 9.82419 | 56.38581 |
| 2/10/2025 | 4:00:00 AM | 34.12224 | 60.40851 | 26.28627 | 21.44373 | 48.26906 | 14.14682 | 24.50318 | 49.59292 | 15.47068 | 23.87932 | 41.41302 | 7.29078 | 22.51922 | 43.90538 | 9.78314 | 56.42686 |
| 2/10/2025 | 5:00:00 AM | 34.12224 | 60.40494 | 26.2827 | 21.4473 | 48.26235 | 14.14011 | 24.50989 | 49.59292 | 15.47068 | 23.87932 | 41.4166 | 7.29436 | 22.51564 | 43.90895 | 9.78671 | 56.42329 |
| 2/10/2025 | 6:00:00 AM | 34.12558 | 60.39779 | 26.27221 | 21.45779 | 48.25229 | 14.12671 | 24.52329 | 49.57866 | 15.45308 | 23.89692 | 41.40586 | 7.28028 | 22.52972 | 43.90538 | 9.7798 | 56.4302 |
| 2/10/2025 | 7:00:00 AM | 34.11889 | 60.40494 | 26.28605 | 21.44395 | 48.25229 | 14.1334 | 24.5166 | 49.57509 | 15.4562 | 23.8938 | 41.42018 | 7.30129 | 22.50871 | 43.9161 | 9.79721 | 56.41279 |
| 2/10/2025 | 8:00:00 AM | 34.11889 | 60.40494 | 26.28605 | 21.44395 | 48.259 | 14.14011 | 24.50989 | 49.58222 | 15.46333 | 23.88667 | 41.42733 | 7.30844 | 22.50156 | 43.92325 | 9.80436 | 56.40564 |
| 2/10/2025 | 9:00:00 AM | 34.11889 | 60.41565 | 26.29676 | 21.43324 | 48.259 | 14.14011 | 24.50989 | 49.58579 | 15.4669 | 23.8831 | 41.43449 | 7.3156 | 22.4944 | 43.92682 | 9.80793 | 56.40207 |
| 2/10/2025 | 10:00:00 AM | 34.12892 | 60.40851 | 26.27959 | 21.45041 | 48.259 | 14.13008 | 24.51992 | 49.57866 | 15.44974 | 23.90026 | 41.43449 | 7.30557 | 22.50443 | 43.93754 | 9.80862 | 56.40138 |
| 2/10/2025 | 11:00:00 AM | 34.16236 | 60.40137 | 26.23901 | 21.49099 | 48.24894 | 14.08658 | 24.56342 | 49.57866 | 15.4163 | 23.9337 | 41.43091 | 7.26855 | 22.54145 | 43.92682 | 9.76446 | 56.44554 |
| 2/10/2025 | 12:00:00 PM | 34.17574 | 60.37637 | 26.20063 | 21.52937 | 48.23888 | 14.06314 | 24.58686 | 49.56083 | 15.38509 | 23.96491 | 41.4166 | 7.24086 | 22.56914 | 43.91253 | 9.73679 | 56.47321 |
| 2/10/2025 | 1:00:00 PM | 34.16905 | 60.36209 | 26.19304 | 21.53696 | 48.20869 | 14.03964 | 24.61036 | 49.53587 | 15.36682 | 23.98318 | 41.40586 | 7.23681 | 22.57319 | 43.9018 | 9.73275 | 56.47725 |
| 2/10/2025 | 2:00:00 PM | 34.18912 | 60.36209 | 26.17297 | 21.55703 | 48.18522 | 13.9961 | 24.6539 | 49.51805 | 15.32893 | 24.02107 | 41.39871 | 7.20959 | 22.60041 | 43.88751 | 9.69839 | 56.51161 |
| 2/10/2025 | 3:00:00 PM | 34.17574 | 60.35851 | 26.18277 | 21.54723 | 48.18522 | 14.00948 | 24.64052 | 49.51448 | 15.33874 | 24.01126 | 41.40586 | 7.23012 | 22.57988 | 43.89823 | 9.72249 | 56.48751 |
| 2/10/2025 | 4:00:00 PM | 34.16905 | 60.37637 | 26.20732 | 21.52268 | 48.19192 | 14.02287 | 24.62713 | 49.52518 | 15.35613 | 23.99387 | 41.4166 | 7.24755 | 22.56245 | 43.91967 | 9.75062 | 56.45938 |
| 2/10/2025 | 5:00:00 PM | 34.16236 | 60.36923 | 26.20687 | 21.52313 | 48.18857 | 14.02621 | 24.62379 | 49.51805 | 15.35569 | 23.99431 | 41.42733 | 7.26497 | 22.54503 | 43.92682 | 9.76446 | 56.44554 |
| 2/10/2025 | 6:00:00 PM | 34.15233 | 60.36209 | 26.20976 | 21.52024 | 48.19192 | 14.03959 | 24.61041 | 49.52518 | 15.37285 | 23.97715 | 41.42375 | 7.27142 | 22.53858 | 43.92325 | 9.77092 | 56.43908 |
| 2/10/2025 | 7:00:00 PM | 34.11889 | 60.36923 | 26.25034 | 21.47966 | 48.19192 | 14.07303 | 24.57697 | 49.52518 | 15.40629 | 23.94371 | 41.42733 | 7.30844 | 22.50156 | 43.92682 | 9.80793 | 56.40207 |
| 2/10/2025 | 8:00:00 PM | 34.10552 | 60.36923 | 26.26371 | 21.46629 | 48.18857 | 14.08305 | 24.56695 | 49.51805 | 15.41253 | 23.93747 | 41.42733 | 7.32181 | 22.48819 | 43.93397 | 9.82845 | 56.38155 |
| 2/10/2025 | 9:00:00 PM | 34.10217 | 60.36923 | 26.26706 | 21.46294 | 48.19192 | 14.08975 | 24.56025 | 49.51448 | 15.41231 | 23.93769 | 41.42375 | 7.32158 | 22.48842 | 43.93397 | 9.8318 | 56.3782 |
| 2/10/2025 | 10:00:00 PM | 34.09548 | 60.37637 | 26.28089 | 21.44911 | 48.18857 | 14.09309 | 24.55691 | 49.52161 | 15.42613 | 23.92387 | 41.43091 | 7.33543 | 22.47457 | 43.94112 | 9.84564 | 56.36436 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/10/2025 | 11:00:00 PM | 34.09883 | 60.3728 | 26.27397 | 21.45603 | 48.20198 | 14.10315 | 24.54685 | 49.52161 | 15.42278 | 23.92722 | 41.43449 | 7.33566 | 22.47434 | 43.95184 | 9.85301 | 56.35699 |
| 2/11/2025 | 12:00:00 AM | 34.09548 | 60.38351 | 26.28803 | 21.44197 | 48.20534 | 14.10986 | 24.54014 | 49.52874 | 15.43326 | 23.91674 | 41.43449 | 7.33901 | 22.47099 | 43.96256 | 9.86708 | 56.34292 |
| 2/11/2025 | 1:00:00 AM | 34.09214 | 60.3728 | 26.28066 | 21.44934 | 48.19528 | 14.10314 | 24.54686 | 49.52161 | 15.42947 | 23.92053 | 41.42733 | 7.33519 | 22.47481 | 43.95541 | 9.86327 | 56.34673 |
| 2/11/2025 | 2:00:00 AM | 34.07876 | 60.3728 | 26.29404 | 21.43596 | 48.19528 | 14.11652 | 24.53348 | 49.51805 | 15.43929 | 23.91071 | 41.43091 | 7.35215 | 22.45785 | 43.95184 | 9.87308 | 56.33692 |
| 2/11/2025 | 3:00:00 AM | 34.07208 | 60.35494 | 26.28286 | 21.44714 | 48.17851 | 14.10643 | 24.54357 | 49.50378 | 15.4317 | 23.9183 | 41.4166 | 7.34452 | 22.46548 | 43.94469 | 9.87261 | 56.33739 |
| 2/11/2025 | 4:00:00 AM | 34.06539 | 60.3478 | 26.28241 | 21.44759 | 48.16174 | 14.09635 | 24.55365 | 49.48952 | 15.42413 | 23.92587 | 41.41302 | 7.34763 | 22.46237 | 43.93039 | 9.865 | 56.345 |
| 2/11/2025 | 5:00:00 AM | 34.05536 | 60.34423 | 26.28887 | 21.44113 | 48.15838 | 14.10302 | 24.54698 | 49.48596 | 15.4306 | 23.9194 | 41.4166 | 7.36124 | 22.44876 | 43.93397 | 9.87861 | 56.33139 |
| 2/11/2025 | 6:00:00 AM | 34.04867 | 60.33352 | 26.28485 | 21.44515 | 48.14497 | 14.0963 | 24.5537 | 49.47526 | 15.42659 | 23.92341 | 41.40586 | 7.35719 | 22.45281 | 43.93754 | 9.88887 | 56.32113 |
| 2/11/2025 | 7:00:00 AM | 34.04532 | 60.32281 | 26.27749 | 21.45251 | 48.13155 | 14.08623 | 24.56377 | 49.44674 | 15.40142 | 23.94858 | 41.39155 | 7.34623 | 22.46377 | 43.91967 | 9.87435 | 56.33565 |
| 2/11/2025 | 8:00:00 AM | 34.03529 | 60.31924 | 26.28395 | 21.44605 | 48.11814 | 14.08285 | 24.56715 | 49.44674 | 15.41145 | 23.93855 | 41.39513 | 7.35984 | 22.45016 | 43.93754 | 9.90225 | 56.30775 |
| 2/11/2025 | 9:00:00 AM | 34.03529 | 60.31566 | 26.28037 | 21.44963 | 48.11814 | 14.08285 | 24.56715 | 49.43248 | 15.39719 | 23.95281 | 41.39155 | 7.35626 | 22.45374 | 43.93397 | 9.89868 | 56.31132 |
| 2/11/2025 | 10:00:00 AM | 34.03529 | 60.28353 | 26.24824 | 21.48176 | 48.09466 | 14.05937 | 24.59063 | 49.40396 | 15.36867 | 23.98133 | 41.37366 | 7.33837 | 22.47163 | 43.91253 | 9.87724 | 56.33276 |
| 2/11/2025 | 11:00:00 AM | 34.06204 | 60.28353 | 26.22149 | 21.50851 | 48.0846 | 14.02256 | 24.62744 | 49.39683 | 15.33479 | 24.01521 | 41.37366 | 7.31162 | 22.49838 | 43.90538 | 9.84334 | 56.36666 |
| 2/11/2025 | 12:00:00 PM | 34.07208 | 60.24782 | 26.17574 | 21.55426 | 48.041 | 13.96892 | 24.68108 | 49.36474 | 15.29266 | 24.05734 | 41.34862 | 7.27654 | 22.53346 | 43.88751 | 9.81543 | 56.39457 |
| 2/11/2025 | 1:00:00 PM | 34.09548 | 60.24068 | 26.1452 | 21.5848 | 48.02423 | 13.92875 | 24.72125 | 49.34335 | 15.24787 | 24.10213 | 41.3522 | 7.25672 | 22.55328 | 43.88036 | 9.78488 | 56.42512 |
| 2/11/2025 | 2:00:00 PM | 34.09548 | 60.21211 | 26.11663 | 21.61337 | 47.99069 | 13.89521 | 24.75479 | 49.31483 | 15.21935 | 24.13065 | 41.33431 | 7.23883 | 22.57117 | 43.87679 | 9.78131 | 56.42869 |
| 2/11/2025 | 3:00:00 PM | 34.06873 | 60.19783 | 26.1291 | 21.6009 | 47.96721 | 13.89848 | 24.75152 | 49.29343 | 15.2247 | 24.1253 | 41.32715 | 7.25842 | 22.55158 | 43.86606 | 9.79733 | 56.41267 |
| 2/11/2025 | 4:00:00 PM | 34.03864 | 60.19425 | 26.15561 | 21.57439 | 47.95715 | 13.91851 | 24.73149 | 49.27917 | 15.24053 | 24.10947 | 41.32715 | 7.28851 | 22.52149 | 43.86606 | 9.82742 | 56.38258 |
| 2/11/2025 | 5:00:00 PM | 34.02526 | 60.18354 | 26.15828 | 21.57172 | 47.94709 | 13.92183 | 24.72817 | 49.26848 | 15.24322 | 24.10678 | 41.32715 | 7.30189 | 22.50811 | 43.88393 | 9.85867 | 56.35133 |
| 2/11/2025 | 6:00:00 PM | 34.01523 | 60.17997 | 26.16474 | 21.56526 | 47.93703 | 13.9218 | 24.7282 | 49.25778 | 15.24255 | 24.10745 | 41.32357 | 7.30834 | 22.50166 | 43.87679 | 9.86156 | 56.34844 |
| 2/11/2025 | 7:00:00 PM | 33.99516 | 60.15855 | 26.16339 | 21.56661 | 47.9169 | 13.92174 | 24.72826 | 49.24352 | 15.24836 | 24.10164 | 41.31284 | 7.31768 | 22.49232 | 43.87679 | 9.88163 | 56.32837 |
| 2/11/2025 | 8:00:00 PM | 33.99182 | 60.15855 | 26.16673 | 21.56327 | 47.91355 | 13.92173 | 24.72827 | 49.23639 | 15.24457 | 24.10543 | 41.30926 | 7.31744 | 22.49256 | 43.88036 | 9.88854 | 56.32146 |
| 2/11/2025 | 9:00:00 PM | 33.9751 | 60.14783 | 26.17273 | 21.55727 | 47.89007 | 13.91497 | 24.73503 | 49.21856 | 15.24346 | 24.10654 | 41.29853 | 7.32343 | 22.48657 | 43.87679 | 9.90169 | 56.30831 |
| 2/11/2025 | 10:00:00 PM | 33.97176 | 60.14783 | 26.17607 | 21.55393 | 47.89678 | 13.92502 | 24.72498 | 49.22926 | 15.2575 | 24.0925 | 41.30211 | 7.33035 | 22.47965 | 43.88751 | 9.91575 | 56.29425 |
| 2/11/2025 | 11:00:00 PM | 33.96507 | 60.13712 | 26.17205 | 21.55795 | 47.88337 | 13.9183 | 24.7317 | 49.22213 | 15.25706 | 24.09294 | 41.29495 | 7.32988 | 22.48012 | 43.89108 | 9.92601 | 56.28399 |
| 2/12/2025 | 12:00:00 AM | 33.945 | 60.13355 | 26.18855 | 21.54145 | 47.88337 | 13.93837 | 24.71163 | 49.215 | 15.27 | 24.08 | 41.28064 | 7.33564 | 22.47436 | 43.89108 | 9.94608 | 56.26392 |
| 2/12/2025 | 1:00:00 AM | 33.94166 | 60.13355 | 26.19189 | 21.53811 | 47.87666 | 13.935 | 24.715 | 49.2043 | 15.26264 | 24.08736 | 41.28064 | 7.33898 | 22.47102 | 43.88751 | 9.94585 | 56.26415 |
| 2/12/2025 | 2:00:00 AM | 33.92828 | 60.10855 | 26.18027 | 21.54973 | 47.85989 | 13.93161 | 24.71839 | 49.18648 | 15.2582 | 24.0918 | 41.26275 | 7.33447 | 22.47553 | 43.87321 | 9.94493 | 56.26507 |
| 2/12/2025 | 3:00:00 AM | 33.91825 | 60.08713 | 26.16888 | 21.56112 | 47.84647 | 13.92822 | 24.72178 | 49.16508 | 15.24683 | 24.10317 | 41.24486 | 7.32661 | 22.48339 | 43.86249 | 9.94424 | 56.26576 |
| 2/12/2025 | 4:00:00 AM | 33.90822 | 60.07999 | 26.17177 | 21.55823 | 47.83306 | 13.92484 | 24.72516 | 49.15082 | 15.2426 | 24.1074 | 41.24129 | 7.33307 | 22.47693 | 43.86249 | 9.95427 | 56.25573 |
| 2/12/2025 | 5:00:00 AM | 33.90153 | 60.06927 | 26.16774 | 21.56226 | 47.81964 | 13.91811 | 24.73189 | 49.14013 | 15.2386 | 24.1114 | 41.23413 | 7.3326 | 22.4774 | 43.85892 | 9.95739 | 56.25261 |
| 2/12/2025 | 6:00:00 AM | 33.89484 | 60.06927 | 26.17443 | 21.55557 | 47.80958 | 13.91474 | 24.73526 | 49.133 | 15.23816 | 24.11184 | 41.2234 | 7.32856 | 22.48144 | 43.86964 | 9.9748 | 56.2352 |
| 2/12/2025 | 7:00:00 AM | 33.89484 | 60.05856 | 26.16372 | 21.56628 | 47.80958 | 13.91474 | 24.73526 | 49.13656 | 15.24172 | 24.10828 | 41.22697 | 7.33213 | 22.47787 | 43.87321 | 9.97837 | 56.23163 |
| 2/12/2025 | 8:00:00 AM | 33.88481 | 60.05142 | 26.16661 | 21.56339 | 47.79281 | 13.908 | 24.742 | 49.10447 | 15.21966 | 24.13034 | 41.20551 | 7.3207 | 22.4893 | 43.86606 | 9.98125 | 56.22875 |
| 2/12/2025 | 9:00:00 AM | 33.8915 | 60.02999 | 26.13849 | 21.59151 | 47.77604 | 13.88454 | 24.76546 | 49.09378 | 15.20228 | 24.14772 | 41.20551 | 7.31401 | 22.49599 | 43.85892 | 9.96742 | 56.24258 |
| 2/12/2025 | 10:00:00 AM | 33.89819 | 60.02285 | 26.12466 | 21.60534 | 47.76598 | 13.86779 | 24.78221 | 49.08665 | 15.18846 | 24.16154 | 41.19477 | 7.29658 | 22.51342 | 43.85892 | 9.96073 | 56.24927 |
| 2/12/2025 | 11:00:00 AM | 33.92494 | 60.005 | 26.08006 | 21.64994 | 47.7425 | 13.81756 | 24.83244 | 49.06169 | 15.13675 | 24.21325 | 41.17331 | 7.24837 | 22.56163 | 43.84462 | 9.91968 | 56.29032 |
| 2/12/2025 | 12:00:00 PM | 33.93163 | 59.97643 | 26.0448 | 21.6852 | 47.70896 | 13.77733 | 24.87267 | 49.02247 | 15.09084 | 24.25916 | 41.14826 | 7.21663 | 22.59337 | 43.81246 | 9.88083 | 56.32917 |
| 2/12/2025 | 1:00:00 PM | 33.94166 | 59.93001 | 25.98835 | 21.74165 | 47.66201 | 13.72035 | 24.92965 | 48.97256 | 15.0309 | 24.3191 | 41.11248 | 7.17082 | 22.63918 | 43.78029 | 9.83863 | 56.37137 |
| 2/12/2025 | 2:00:00 PM | 33.90153 | 59.89787 | 25.99634 | 21.73366 | 47.61841 | 13.71688 | 24.93312 | 48.92978 | 15.02825 | 24.32175 | 41.0946 | 7.19307 | 22.61693 | 43.75885 | 9.85732 | 56.35268 |
| 2/12/2025 | 3:00:00 PM | 33.87144 | 59.87288 | 26.00144 | 21.72856 | 47.58152 | 13.71008 | 24.93992 | 48.90482 | 15.03338 | 24.31662 | 41.08386 | 7.21242 | 22.59758 | 43.75527 | 9.88383 | 56.32617 |
| 2/12/2025 | 4:00:00 PM | 33.84468 | 59.85502 | 26.01034 | 21.71966 | 47.5681 | 13.72342 | 24.92658 | 48.87986 | 15.03518 | 24.31482 | 41.07671 | 7.23203 | 22.57797 | 43.74813 | 9.90345 | 56.30655 |
| 2/12/2025 | 5:00:00 PM | 33.82796 | 59.84431 | 26.01635 | 21.71365 | 47.54462 | 13.71666 | 24.93334 | 48.8656 | 15.03764 | 24.31236 | 41.07313 | 7.24517 | 22.56483 | 43.76242 | 9.93446 | 56.27554 |
| 2/12/2025 | 6:00:00 PM | 33.8079 | 59.81931 | 26.01141 | 21.71859 | 47.51779 | 13.70989 | 24.94011 | 48.83708 | 15.02918 | 24.32082 | 41.04808 | 7.24018 | 22.56982 | 43.74455 | 9.93665 | 56.27335 |
| 2/12/2025 | 7:00:00 PM | 33.7778 | 59.79432 | 26.01652 | 21.71348 | 47.49432 | 13.71652 | 24.93348 | 48.81569 | 15.03789 | 24.31211 | 41.03735 | 7.25955 | 22.55045 | 43.73383 | 9.95603 | 56.25397 |
| 2/12/2025 | 8:00:00 PM | 33.77112 | 59.79075 | 26.01963 | 21.71037 | 47.47419 | 13.70307 | 24.94693 | 48.80143 | 15.03031 | 24.31969 | 41.0302 | 7.25908 | 22.55092 | 43.74098 | 9.96986 | 56.24014 |
| 2/12/2025 | 9:00:00 PM | 33.75774 | 59.76932 | 26.01158 | 21.71842 | 47.45072 | 13.69298 | 24.95702 | 48.7836 | 15.02586 | 24.32414 | 41.00873 | 7.25099 | 22.55901 | 43.7374 | 9.97966 | 56.23034 |
| 2/12/2025 | 10:00:00 PM | 33.66411 | 59.73004 | 26.06593 | 21.66407 | 47.42053 | 13.75642 | 24.89358 | 48.75151 | 15.0874 | 24.2626 | 40.98368 | 7.31957 | 22.49043 | 43.71596 | 10.05185 | 56.15815 |
| 2/12/2025 | 11:00:00 PM | 33.65073 | 59.71933 | 26.0686 | 21.6614 | 47.40041 | 13.74968 | 24.90032 | 48.72656 | 15.07583 | 24.27417 | 40.97653 | 7.3258 | 22.4842 | 43.71953 | 10.0688 | 56.1412 |
| 2/13/2025 | 12:00:00 AM | 33.60392 | 59.6979 | 26.09398 | 21.63602 | 47.37022 | 13.7663 | 24.8837 | 48.69447 | 15.09055 | 24.25945 | 40.95148 | 7.34756 | 22.46244 | 43.70524 | 10.10132 | 56.10868 |
| 2/13/2025 | 1:00:00 AM | 33.59054 | 59.67291 | 26.08237 | 21.64763 | 47.34339 | 13.75285 | 24.89715 | 48.67308 | 15.08254 | 24.26746 | 40.93002 | 7.33948 | 22.47052 | 43.69452 | 10.10398 | 56.10602 |
| 2/13/2025 | 2:00:00 AM | 33.52366 | 59.65148 | 26.12782 | 21.60218 | 47.32327 | 13.79961 | 24.85039 | 48.65169 | 15.12803 | 24.22197 | 40.91571 | 7.39205 | 22.41795 | 43.6838 | 10.16014 | 56.04986 |
| 2/13/2025 | 3:00:00 AM | 33.5036 | 59.61934 | 26.11574 | 21.61426 | 47.27296 | 13.76936 | 24.88064 | 48.60534 | 15.10174 | 24.24826 | 40.88351 | 7.37991 | 22.43009 | 43.67307 | 10.16947 | 56.04053 |
| 2/13/2025 | 4:00:00 AM | 33.43003 | 59.56935 | 26.13932 | 21.59068 | 47.23271 | 13.80268 | 24.84732 | 48.55899 | 15.12896 | 24.22104 | 40.85131 | 7.42128 | 22.38872 | 43.63019 | 10.20016 | 56.00984 |
| 2/13/2025 | 5:00:00 AM | 33.41331 | 59.5265 | 26.11319 | 21.61681 | 47.17234 | 13.75903 | 24.89097 | 48.50194 | 15.08863 | 24.26137 | 40.82268 | 7.40937 | 22.40063 | 43.60517 | 10.19186 | 56.01814 |
| 2/13/2025 | 6:00:00 AM | 33.34643 | 59.5015 | 26.15507 | 21.57493 | 47.13545 | 13.78902 | 24.86098 | 48.46629 | 15.11986 | 24.23014 | 40.79764 | 7.45121 | 22.35879 | 43.6016 | 10.25517 | 55.95483 |
| 2/13/2025 | 7:00:00 AM | 33.33305 | 59.47651 | 26.14346 | 21.58654 | 47.11533 | 13.78228 | 24.86772 | 48.4449 | 15.11185 | 24.23815 | 40.79406 | 7.46101 | 22.34899 | 43.59445 | 10.2614 | 55.9486 |
| 2/13/2025 | 8:00:00 AM | 33.29292 | 59.49079 | 26.19787 | 21.53213 | 47.11197 | 13.81905 | 24.83095 | 48.44846 | 15.15554 | 24.19446 | 40.80479 | 7.51187 | 22.29813 | 43.63019 | 10.33727 | 55.87273 |
| 2/13/2025 | 9:00:00 AM | 33.29627 | 59.4658 | 26.16953 | 21.56047 | 47.08514 | 13.78887 | 24.86113 | 48.43064 | 15.13437 | 24.21563 | 40.77259 | 7.47632 | 22.33368 | 43.62661 | 10.33034 | 55.87966 |
| 2/13/2025 | 10:00:00 AM | 33.29961 | 59.4408 | 26.14119 | 21.58881 | 47.07508 | 13.77547 | 24.87453 | 48.41281 | 15.1132 | 24.2368 | 40.76544 | 7.46583 | 22.34417 | 43.61947 | 10.31986 | 55.89014 |
| 2/13/2025 | 11:00:00 AM | 33.26952 | 59.44794 | 26.17842 | 21.55158 | 47.06837 | 13.79885 | 24.85115 | 48.41281 | 15.14329 | 24.20671 | 40.7547 | 7.48518 | 22.32482 | 43.63376 | 10.36424 | 55.84576 |
| 2/13/2025 | 12:00:00 PM | 33.28624 | 59.43009 | 26.14385 | 21.58615 | 47.06502 | 13.77878 | 24.87122 | 48.40568 | 15.11944 | 24.23056 | 40.73682 | 7.45058 | 22.35942 | 43.63019 | 10.34395 | 55.86605 |
| 2/13/2025 | 1:00:00 PM | 33.24945 | 59.40509 | 26.15564 | 21.57436 | 47.03819 | 13.78874 | 24.86126 | 48.38429 | 15.13484 | 24.21516 | 40.70462 | 7.45517 | 22.35483 | 43.61589 | 10.36644 | 55.84356 |
| 2/13/2025 | 2:00:00 PM | 33.2528 | 59.40509 | 26.15229 | 21.57771 | 47.03819 | 13.78539 | 24.86461 | 48.38429 | 15.13149 | 24.21851 | 40.70104 | 7.44824 | 22.36176 | 43.63019 | 10.37739 | 55.83261 |
| 2/13/2025 | 3:00:00 PM | 33.25614 | 59.40152 | 26.14538 | 21.58462 | 47.03819 | 13.78205 | 24.86795 | 48.38429 | 15.12815 | 24.22185 | 40.6903 | 7.43416 | 22.37584 | 43.62661 | 10.37047 | 55.83953 |
| 2/13/2025 | 4:00:00 PM | 33.2528 | 59.40152 | 26.14872 | 21.58128 | 47.04154 | 13.78874 | 24.86126 | 48.38072 | 15.12792 | 24.22208 | 40.68315 | 7.43035 | 22.37965 | 43.64091 | 10.38811 | 55.82189 |
| 2/13/2025 | 5:00:00 PM | 33.25948 | 59.41223 | 26.15275 | 21.57725 | 47.04825 | 13.78877 | 24.86123 | 48.39142 | 15.13194 | 24.21806 | 40.67599 | 7.41651 | 22.39349 | 43.64448 | 10.385 | 55.825 |
| 2/13/2025 | 6:00:00 PM | 33.2528 | 59.40152 | 26.14872 | 21.58128 | 47.0516 | 13.7988 | 24.8512 | 48.39499 | 15.14219 | 24.20781 | 40.6581 | 7.4053 | 22.4047 | 43.64448 | 10.39168 | 55.81832 |
| 2/13/2025 | 7:00:00 PM | 33.25614 | 59.40866 | 26.15252 | 21.57748 | 47.07173 | 13.81559 | 24.83441 | 48.40212 | 15.14598 | 24.20402 | 40.65453 | 7.39839 | 22.41161 | 43.65878 | 10.40264 | 55.80736 |
| 2/13/2025 | 8:00:00 PM | 33.26283 | 59.41223 | 26.1494 | 21.5806 | 47.08179 | 13.81896 | 24.83104 | 48.41281 | 15.14998 | 24.20002 | 40.65095 | 7.38812 | 22.42188 | 43.67307 | 10.41024 | 55.79976 |
| 2/13/2025 | 9:00:00 PM | 33.26283 | 59.41937 | 26.15654 | 21.57346 | 47.10191 | 13.83908 | 24.81092 | 48.4342 | 15.17137 | 24.17863 | 40.65453 | 7.3917 | 22.4183 | 43.6695 | 10.40667 | 55.80333 |
| 2/13/2025 | 10:00:00 PM | 33.2762 | 59.43009 | 26.15389 | 21.57611 | 47.11868 | 13.84248 | 24.80752 | 48.45203 | 15.17583 | 24.17417 | 40.6581 | 7.3819 | 22.4281 | 43.68022 | 10.40402 | 55.80598 |
| 2/13/2025 | 11:00:00 PM | 33.28289 | 59.44794 | 26.16505 | 21.56495 | 47.14216 | 13.85927 | 24.79073 | 48.45916 | 15.17627 | 24.17373 | 40.6581 | 7.37521 | 22.43479 | 43.68737 | 10.40448 | 55.80552 |
| 2/14/2025 | 12:00:00 AM | 33.24945 | 59.46937 | 26.21992 | 21.51008 | 47.17905 | 13.9296 | 24.7204 | 48.49125 | 15.2418 | 24.1082 | 40.66526 | 7.41581 | 22.39419 | 43.70881 | 10.45936 | 55.75064 |
| 2/14/2025 | 1:00:00 AM | 33.25948 | 59.48365 | 26.22417 | 21.50583 | 47.21259 | 13.95311 | 24.69689 | 48.52334 | 15.26386 | 24.08614 | 40.66884 | 7.40936 | 22.40064 | 43.72311 | 10.46363 | 55.74637 |
| 2/14/2025 | 2:00:00 AM | 33.2762 | 59.50508 | 26.22888 | 21.50112 | 47.23942 | 13.96322 | 24.68678 | 48.54473 | 15.26853 | 24.08147 | 40.66884 | 7.39264 | 22.41736 | 43.73026 | 10.45406 | 55.75594 |
| 2/14/2025 | 3:00:00 AM | 33.29627 | 59.53364 | 26.23737 | 21.49263 | 47.28302 | 13.98675 | 24.66325 | 48.58038 | 15.28411 | 24.06589 | 40.68673 | 7.39046 | 22.41954 | 43.74455 | 10.44828 | 55.76172 |
| 2/14/2025 | 4:00:00 AM | 33.31299 | 59.55864 | 26.24565 | 21.48435 | 47.31656 | 14.00357 | 24.64643 | 48.61247 | 15.29948 | 24.05052 | 40.68673 | 7.37374 | 22.43626 | 43.74455 | 10.43156 | 55.77844 |
| 2/14/2025 | 5:00:00 AM | 33.33305 | 59.58721 | 26.25416 | 21.47584 | 47.36687 | 14.03382 | 24.61618 | 48.64812 | 15.31507 | 24.03493 | 40.70104 | 7.36799 | 22.44201 | 43.76242 | 10.42937 | 55.78063 |
| 2/14/2025 | 6:00:00 AM | 33.34643 | 59.6122 | 26.26577 | 21.46423 | 47.39705 | 14.05062 | 24.59938 | 48.68021 | 15.33378 | 24.01622 | 40.70462 | 7.35819 | 22.45181 | 43.78029 | 10.43386 | 55.77614 |
| 2/14/2025 | 7:00:00 AM | 33.37318 | 59.6372 | 26.26402 | 21.46598 | 47.44736 | 14.07418 | 24.57582 | 48.71943 | 15.34625 | 24.00375 | 40.72608 | 7.3529 | 22.4571 | 43.78744 | 10.41426 | 55.79574 |
| 2/14/2025 | 8:00:00 AM | 33.3899 | 59.66576 | 26.27586 | 21.45414 | 47.48425 | 14.09435 | 24.55565 | 48.75864 | 15.36874 | 23.98126 | 40.73682 | 7.34692 | 22.46308 | 43.80173 | 10.41183 | 55.79817 |
| 2/14/2025 | 9:00:00 AM | 33.40996 | 59.70147 | 26.29151 | 21.43849 | 47.53456 | 14.1246 | 24.5254 | 48.80143 | 15.39147 | 23.95853 | 40.75828 | 7.34832 | 22.46168 | 43.81603 | 10.40607 | 55.80393 |
| 2/14/2025 | 10:00:00 AM | 33.45678 | 59.7479 | 26.29112 | 21.43888 | 47.59493 | 14.13815 | 24.51185 | 48.85491 | 15.39813 | 23.95187 | 40.77259 | 7.31581 | 22.49419 | 43.83033 | 10.37355 | 55.83645 |
| 2/14/2025 | 11:00:00 AM | 33.51028 | 59.7836 | 26.27332 | 21.45668 | 47.63518 | 14.1249 | 24.5251 | 48.89769 | 15.38741 | 23.96259 | 40.79406 | 7.28378 | 22.52622 | 43.83747 | 10.32719 | 55.88281 |
| 2/14/2025 | 12:00:00 PM | 33.56713 | 59.81931 | 26.25218 | 21.47782 | 47.68549 | 14.11836 | 24.53164 | 48.93334 | 15.36621 | 23.98379 | 40.81195 | 7.24482 | 22.56518 | 43.85177 | 10.28464 | 55.92536 |
| 2/14/2025 | 1:00:00 PM | 33.6106 | 59.85145 | 26.24085 | 21.48915 | 47.73244 | 14.12184 | 24.52816 | 48.97612 | 15.36552 | 23.98448 | 40.81911 | 7.20851 | 22.60149 | 43.8482 | 10.2376 | 55.9724 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/14/2025 | 2:00:00 PM | 33.64739 | 59.8693 | 26.22191 | 21.50809 | 47.76598 | 14.11859 | 24.53141 | 48.99752 | 15.35013 | 23.99987 | 40.82984 | 7.18245 | 22.62755 | 43.86249 | 10.2151 | 55.9949 |
| 2/14/2025 | 3:00:00 PM | 33.68083 | 59.89787 | 26.21704 | 21.51296 | 47.79952 | 14.11869 | 24.53131 | 49.02247 | 15.34164 | 24.00836 | 40.84057 | 7.15974 | 22.65026 | 43.85534 | 10.17451 | 56.03549 |
| 2/14/2025 | 4:00:00 PM | 33.71092 | 59.93001 | 26.21909 | 21.51091 | 47.83306 | 14.12214 | 24.52786 | 49.05456 | 15.34364 | 24.00636 | 40.86204 | 7.15112 | 22.65888 | 43.85177 | 10.14085 | 56.06915 |
| 2/14/2025 | 5:00:00 PM | 33.76108 | 59.95858 | 26.1975 | 21.5325 | 47.86995 | 14.10887 | 24.54113 | 49.09021 | 15.32913 | 24.02087 | 40.87277 | 7.11169 | 22.69831 | 43.86606 | 10.10498 | 56.10502 |
| 2/14/2025 | 6:00:00 PM | 33.76777 | 59.96215 | 26.19438 | 21.53562 | 47.89007 | 14.1223 | 24.5277 | 49.09734 | 15.32957 | 24.02043 | 40.88351 | 7.11574 | 22.69426 | 43.85177 | 10.084 | 56.126 |
| 2/14/2025 | 7:00:00 PM | 33.78115 | 59.98 | 26.19885 | 21.53115 | 47.90349 | 14.12234 | 24.52766 | 49.1223 | 15.34115 | 24.00885 | 40.88708 | 7.10593 | 22.70407 | 43.83033 | 10.04918 | 56.16082 |
| 2/14/2025 | 8:00:00 PM | 33.82128 | 60.00857 | 26.18729 | 21.54271 | 47.94038 | 14.1191 | 24.5309 | 49.15082 | 15.32954 | 24.02046 | 40.91928 | 7.098 | 22.712 | 43.85177 | 10.03049 | 56.17951 |
| 2/14/2025 | 9:00:00 PM | 33.84468 | 60.03714 | 26.19246 | 21.53754 | 47.96386 | 14.11918 | 24.53082 | 49.15439 | 15.30971 | 24.04029 | 40.93002 | 7.08534 | 22.72466 | 43.84462 | 9.99994 | 56.21006 |
| 2/14/2025 | 10:00:00 PM | 33.87144 | 60.05856 | 26.18712 | 21.54288 | 47.99069 | 14.11925 | 24.53075 | 49.18648 | 15.31504 | 24.03496 | 40.95864 | 7.0872 | 22.7228 | 43.85534 | 9.9839 | 56.2261 |
| 2/14/2025 | 11:00:00 PM | 33.88147 | 60.06927 | 26.1878 | 21.5422 | 48.00411 | 14.12264 | 24.52736 | 49.19717 | 15.3157 | 24.0343 | 40.96937 | 7.0879 | 22.7221 | 43.84462 | 9.96315 | 56.24685 |
| 2/15/2025 | 12:00:00 AM | 33.90153 | 60.07642 | 26.17489 | 21.55511 | 48.01752 | 14.11599 | 24.53401 | 49.2043 | 15.30277 | 24.04723 | 40.97295 | 7.07142 | 22.73858 | 43.8339 | 9.93237 | 56.27763 |
| 2/15/2025 | 1:00:00 AM | 33.91491 | 60.10498 | 26.19007 | 21.53993 | 48.04435 | 14.12944 | 24.52056 | 49.22569 | 15.31078 | 24.03922 | 40.99442 | 7.07951 | 22.73049 | 43.84105 | 9.92614 | 56.28386 |
| 2/15/2025 | 2:00:00 AM | 33.92828 | 60.11212 | 26.18384 | 21.54616 | 48.04771 | 14.11943 | 24.53057 | 49.22926 | 15.30098 | 24.04902 | 41.00157 | 7.07329 | 22.73671 | 43.8339 | 9.90562 | 56.30438 |
| 2/15/2025 | 3:00:00 AM | 33.93163 | 60.12284 | 26.19121 | 21.53879 | 48.05441 | 14.12278 | 24.52722 | 49.23639 | 15.30476 | 24.04524 | 41.00873 | 7.0771 | 22.7329 | 43.82675 | 9.89512 | 56.31488 |
| 2/15/2025 | 4:00:00 AM | 33.93832 | 60.12284 | 26.18452 | 21.54548 | 48.05106 | 14.11274 | 24.53726 | 49.22926 | 15.29094 | 24.05906 | 41.02304 | 7.08472 | 22.72528 | 43.81603 | 9.87771 | 56.33229 |
| 2/15/2025 | 5:00:00 AM | 33.92828 | 60.12641 | 26.19813 | 21.53187 | 48.05106 | 14.12278 | 24.52722 | 49.22569 | 15.29741 | 24.05259 | 41.02304 | 7.09476 | 22.71524 | 43.80173 | 9.87345 | 56.33655 |
| 2/15/2025 | 6:00:00 AM | 33.93497 | 60.14426 | 26.20929 | 21.52071 | 48.06112 | 14.12615 | 24.52385 | 49.23282 | 15.29785 | 24.05215 | 41.04808 | 7.11311 | 22.69689 | 43.81246 | 9.87749 | 56.33251 |
| 2/15/2025 | 7:00:00 AM | 33.93163 | 60.14069 | 26.20906 | 21.52094 | 48.06112 | 14.12949 | 24.52051 | 49.24352 | 15.31189 | 24.03811 | 41.05524 | 7.12361 | 22.68639 | 43.81246 | 9.88083 | 56.32917 |
| 2/15/2025 | 8:00:00 AM | 33.94166 | 60.1514 | 26.20974 | 21.52026 | 48.06783 | 14.12617 | 24.52383 | 49.24709 | 15.30543 | 24.04457 | 41.0624 | 7.12074 | 22.68926 | 43.80888 | 9.86722 | 56.34278 |
| 2/15/2025 | 9:00:00 AM | 33.93163 | 60.13712 | 26.20549 | 21.52451 | 48.05441 | 14.12278 | 24.52722 | 49.22926 | 15.29763 | 24.05237 | 41.05524 | 7.12361 | 22.68639 | 43.78386 | 9.85223 | 56.35777 |
| 2/15/2025 | 10:00:00 AM | 33.94166 | 60.14069 | 26.19903 | 21.53097 | 48.04771 | 14.10605 | 24.54395 | 49.22213 | 15.28047 | 24.06953 | 41.06597 | 7.12431 | 22.68569 | 43.79101 | 9.84935 | 56.36065 |
| 2/15/2025 | 11:00:00 AM | 33.94166 | 60.14069 | 26.19903 | 21.53097 | 48.02758 | 14.08592 | 24.56408 | 49.2043 | 15.26264 | 24.08736 | 41.06955 | 7.12789 | 22.68211 | 43.76957 | 9.82791 | 56.38209 |
| 2/15/2025 | 12:00:00 PM | 33.93163 | 60.10498 | 26.17335 | 21.55665 | 48.00075 | 14.06912 | 24.58088 | 49.17578 | 15.24415 | 24.10585 | 41.05882 | 7.12719 | 22.68281 | 43.74455 | 9.81292 | 56.39708 |
| 2/15/2025 | 1:00:00 PM | 33.9216 | 60.10141 | 26.17981 | 21.55019 | 47.97727 | 14.05567 | 24.59433 | 49.16152 | 15.23992 | 24.11008 | 41.05882 | 7.13722 | 22.67278 | 43.73383 | 9.81223 | 56.39777 |
| 2/15/2025 | 2:00:00 PM | 33.9216 | 60.09784 | 26.17624 | 21.55376 | 47.96051 | 14.03891 | 24.61109 | 49.13656 | 15.21496 | 24.13504 | 41.0624 | 7.1408 | 22.6692 | 43.73383 | 9.81223 | 56.39777 |
| 2/15/2025 | 3:00:00 PM | 33.90822 | 60.07284 | 26.16462 | 21.56538 | 47.92697 | 14.01875 | 24.63125 | 49.10447 | 15.19625 | 24.15375 | 41.04451 | 7.13629 | 22.67371 | 43.70524 | 9.79702 | 56.41298 |
| 2/15/2025 | 4:00:00 PM | 33.8915 | 60.02285 | 26.13135 | 21.59865 | 47.88001 | 13.98851 | 24.66149 | 49.05813 | 15.16663 | 24.18337 | 41.02304 | 7.13154 | 22.67846 | 43.67665 | 9.78515 | 56.42485 |
| 2/15/2025 | 5:00:00 PM | 33.87812 | 60.005 | 26.12688 | 21.60312 | 47.83641 | 13.95829 | 24.69171 | 49.02247 | 15.14435 | 24.20565 | 41.01588 | 7.13776 | 22.67224 | 43.65878 | 9.78066 | 56.42934 |
| 2/15/2025 | 6:00:00 PM | 33.86475 | 60.00857 | 26.14382 | 21.58618 | 47.81629 | 13.95154 | 24.69846 | 49.01178 | 15.14703 | 24.20297 | 41.02304 | 7.15829 | 22.65171 | 43.6695 | 9.80475 | 56.40525 |
| 2/15/2025 | 7:00:00 PM | 33.85472 | 59.98714 | 26.13242 | 21.59758 | 47.79952 | 13.9448 | 24.7052 | 48.98682 | 15.1321 | 24.2179 | 41.02304 | 7.16832 | 22.64168 | 43.6695 | 9.81478 | 56.39522 |
| 2/15/2025 | 8:00:00 PM | 33.84468 | 59.97286 | 26.12818 | 21.60182 | 47.77269 | 13.92801 | 24.72199 | 48.96543 | 15.12075 | 24.22925 | 41.01231 | 7.16763 | 22.64237 | 43.6552 | 9.81052 | 56.39948 |
| 2/15/2025 | 9:00:00 PM | 33.83131 | 59.97643 | 26.14512 | 21.58488 | 47.76933 | 13.93802 | 24.71198 | 48.96186 | 15.13055 | 24.21945 | 41.03377 | 7.20246 | 22.60754 | 43.6838 | 9.85249 | 56.35751 |
| 2/15/2025 | 10:00:00 PM | 33.82462 | 59.96572 | 26.1411 | 21.5889 | 47.75927 | 13.93465 | 24.71535 | 48.95117 | 15.12655 | 24.22345 | 41.02662 | 7.202 | 22.608 | 43.6838 | 9.85918 | 56.35082 |
| 2/15/2025 | 11:00:00 PM | 33.8079 | 59.94072 | 26.13282 | 21.59718 | 47.71903 | 13.91113 | 24.73887 | 48.91908 | 15.11118 | 24.23882 | 41.00873 | 7.20083 | 22.60917 | 43.65878 | 9.85088 | 56.35912 |
| 2/16/2025 | 12:00:00 AM | 33.79118 | 59.91216 | 26.12098 | 21.60902 | 47.68884 | 13.89766 | 24.75234 | 48.88699 | 15.09581 | 24.25419 | 40.98726 | 7.19608 | 22.61392 | 43.6552 | 9.86402 | 56.34598 |
| 2/16/2025 | 1:00:00 AM | 33.79452 | 59.9193 | 26.12478 | 21.60522 | 47.68213 | 13.88761 | 24.76239 | 48.88699 | 15.09247 | 24.25753 | 40.998 | 7.20348 | 22.60652 | 43.67307 | 9.87855 | 56.33145 |
| 2/16/2025 | 2:00:00 AM | 33.78784 | 59.89787 | 26.11003 | 21.61997 | 47.65195 | 13.86411 | 24.78589 | 48.86204 | 15.0742 | 24.2758 | 40.98368 | 7.19584 | 22.61416 | 43.65163 | 9.86379 | 56.34621 |
| 2/16/2025 | 3:00:00 AM | 33.78115 | 59.89073 | 26.10958 | 21.62042 | 47.64189 | 13.86074 | 24.78926 | 48.85847 | 15.07732 | 24.27268 | 40.98368 | 7.20253 | 22.60747 | 43.6695 | 9.88835 | 56.32165 |
| 2/16/2025 | 4:00:00 AM | 33.78115 | 59.88359 | 26.10244 | 21.62756 | 47.63518 | 13.85403 | 24.79597 | 48.84421 | 15.06306 | 24.28694 | 40.97653 | 7.19538 | 22.61462 | 43.6695 | 9.88835 | 56.32165 |
| 2/16/2025 | 5:00:00 AM | 33.77112 | 59.86573 | 26.09461 | 21.63539 | 47.62512 | 13.854 | 24.796 | 48.82995 | 15.05883 | 24.29117 | 40.96222 | 7.1911 | 22.6189 | 43.66593 | 9.89481 | 56.31519 |
| 2/16/2025 | 6:00:00 AM | 33.78115 | 59.87645 | 26.0953 | 21.6347 | 47.62847 | 13.84732 | 24.80268 | 48.84064 | 15.05949 | 24.29051 | 40.98011 | 7.19896 | 22.61104 | 43.68737 | 9.90622 | 56.30378 |
| 2/16/2025 | 7:00:00 AM | 33.77446 | 59.86573 | 26.09127 | 21.63873 | 47.6117 | 13.83724 | 24.81276 | 48.83351 | 15.05905 | 24.29095 | 40.96579 | 7.19133 | 22.61867 | 43.6838 | 9.90934 | 56.30066 |
| 2/16/2025 | 8:00:00 AM | 33.7778 | 59.87288 | 26.09508 | 21.63492 | 47.62847 | 13.85067 | 24.79933 | 48.84777 | 15.06997 | 24.28003 | 40.96937 | 7.19157 | 22.61843 | 43.69809 | 9.92029 | 56.28971 |
| 2/16/2025 | 9:00:00 AM | 33.78784 | 59.87288 | 26.08504 | 21.64496 | 47.62512 | 13.83728 | 24.81272 | 48.84064 | 15.0528 | 24.2972 | 40.96579 | 7.17795 | 22.63205 | 43.70524 | 9.9174 | 56.2926 |
| 2/16/2025 | 10:00:00 AM | 33.78784 | 59.86573 | 26.07789 | 21.65211 | 47.62176 | 13.83392 | 24.81608 | 48.83708 | 15.04924 | 24.30076 | 40.95506 | 7.16722 | 22.64278 | 43.70167 | 9.91383 | 56.29617 |
| 2/16/2025 | 11:00:00 AM | 33.79118 | 59.86216 | 26.07098 | 21.65902 | 47.62847 | 13.83729 | 24.81271 | 48.84777 | 15.05659 | 24.29341 | 40.95148 | 7.1603 | 22.6497 | 43.70524 | 9.91406 | 56.29594 |
| 2/16/2025 | 12:00:00 PM | 33.79452 | 59.86216 | 26.06764 | 21.66236 | 47.61841 | 13.82389 | 24.82611 | 48.82995 | 15.03543 | 24.31457 | 40.93717 | 7.14265 | 22.66735 | 43.69809 | 9.90357 | 56.30643 |
| 2/16/2025 | 1:00:00 PM | 33.78784 | 59.85145 | 26.06361 | 21.66639 | 47.6117 | 13.82386 | 24.82614 | 48.82995 | 15.04211 | 24.30789 | 40.93002 | 7.14218 | 22.66782 | 43.69809 | 9.91025 | 56.29975 |
| 2/16/2025 | 2:00:00 PM | 33.79118 | 59.83003 | 26.03885 | 21.69115 | 47.60164 | 13.81046 | 24.83954 | 48.81212 | 15.02094 | 24.32906 | 40.92644 | 7.13526 | 22.67474 | 43.69094 | 9.89976 | 56.31024 |
| 2/16/2025 | 3:00:00 PM | 33.7778 | 59.81574 | 26.03794 | 21.69206 | 47.59158 | 13.81378 | 24.83622 | 48.80499 | 15.02719 | 24.32281 | 40.91571 | 7.13791 | 22.67209 | 43.67665 | 9.89885 | 56.31115 |
| 2/16/2025 | 4:00:00 PM | 33.78115 | 59.81574 | 26.03459 | 21.69541 | 47.58152 | 13.80037 | 24.84963 | 48.79786 | 15.01671 | 24.33329 | 40.90497 | 7.12382 | 22.68618 | 43.67665 | 9.8955 | 56.3145 |
| 2/16/2025 | 5:00:00 PM | 33.78115 | 59.80503 | 26.02388 | 21.70612 | 47.58487 | 13.80372 | 24.84628 | 48.79073 | 15.00958 | 24.34042 | 40.90497 | 7.12382 | 22.68618 | 43.67665 | 9.8955 | 56.3145 |
| 2/16/2025 | 6:00:00 PM | 33.78115 | 59.81574 | 26.03459 | 21.69541 | 47.59493 | 13.81378 | 24.83622 | 48.80499 | 15.02384 | 24.32616 | 40.90855 | 7.1274 | 22.6826 | 43.68737 | 9.90622 | 56.30378 |
| 2/16/2025 | 7:00:00 PM | 33.76777 | 59.81217 | 26.0444 | 21.6856 | 47.60164 | 13.83387 | 24.81613 | 48.79786 | 15.03009 | 24.31991 | 40.90139 | 7.13362 | 22.67638 | 43.69452 | 9.92675 | 56.28325 |
| 2/16/2025 | 8:00:00 PM | 33.76443 | 59.80146 | 26.03703 | 21.69297 | 47.58822 | 13.82379 | 24.82621 | 48.80143 | 15.037 | 24.313 | 40.89782 | 7.13339 | 22.67661 | 43.69094 | 9.92651 | 56.28349 |
| 2/16/2025 | 9:00:00 PM | 33.76443 | 59.81217 | 26.04774 | 21.68226 | 47.60164 | 13.83721 | 24.81279 | 48.81212 | 15.04769 | 24.30231 | 40.89066 | 7.12623 | 22.68377 | 43.69452 | 9.93009 | 56.27991 |
| 2/16/2025 | 10:00:00 PM | 33.77446 | 59.79789 | 26.02343 | 21.70657 | 47.59493 | 13.82047 | 24.82953 | 48.80143 | 15.02697 | 24.32303 | 40.88708 | 7.11262 | 22.69738 | 43.69094 | 9.91648 | 56.29352 |
| 2/16/2025 | 11:00:00 PM | 33.76443 | 59.7836 | 26.01917 | 21.71083 | 47.59493 | 13.8305 | 24.8195 | 48.80499 | 15.04056 | 24.30944 | 40.87635 | 7.11192 | 22.69808 | 43.68022 | 9.91579 | 56.29421 |
| 2/17/2025 | 12:00:00 AM | 33.76108 | 59.78717 | 26.02609 | 21.70391 | 47.58822 | 13.82714 | 24.82286 | 48.80143 | 15.04035 | 24.30965 | 40.86919 | 7.10811 | 22.70189 | 43.68022 | 9.91914 | 56.29086 |
| 2/17/2025 | 1:00:00 AM | 33.75774 | 59.7836 | 26.02586 | 21.70414 | 47.59493 | 13.83719 | 24.81281 | 48.80856 | 15.05082 | 24.29918 | 40.86919 | 7.11145 | 22.69855 | 43.69094 | 9.9332 | 56.2768 |
| 2/17/2025 | 2:00:00 AM | 33.76108 | 59.79432 | 26.03324 | 21.69676 | 47.60164 | 13.84056 | 24.80944 | 48.81925 | 15.05817 | 24.29183 | 40.87993 | 7.11885 | 22.69115 | 43.70167 | 9.94059 | 56.26941 |
| 2/17/2025 | 3:00:00 AM | 33.76777 | 59.79432 | 26.02655 | 21.70345 | 47.6117 | 13.84393 | 24.80607 | 48.82638 | 15.05861 | 24.29139 | 40.87277 | 7.105 | 22.705 | 43.69094 | 9.92317 | 56.28683 |
| 2/17/2025 | 4:00:00 AM | 33.77112 | 59.79789 | 26.02677 | 21.70323 | 47.61841 | 13.84729 | 24.80271 | 48.83708 | 15.06596 | 24.28404 | 40.86919 | 7.09807 | 22.71193 | 43.71239 | 9.94127 | 56.26873 |
| 2/17/2025 | 5:00:00 AM | 33.7778 | 59.8086 | 26.0308 | 21.6992 | 47.63518 | 13.85738 | 24.79262 | 48.85491 | 15.07711 | 24.27289 | 40.86562 | 7.08782 | 22.72218 | 43.71239 | 9.93459 | 56.27541 |
| 2/17/2025 | 6:00:00 AM | 33.78115 | 59.82288 | 26.04173 | 21.68827 | 47.65195 | 13.8708 | 24.7792 | 48.8656 | 15.08445 | 24.26555 | 40.86919 | 7.08804 | 22.72196 | 43.71596 | 9.93481 | 56.27519 |
| 2/17/2025 | 7:00:00 AM | 33.79452 | 59.82288 | 26.02836 | 21.70164 | 47.66536 | 13.87084 | 24.77916 | 48.8763 | 15.08178 | 24.26822 | 40.86919 | 7.07467 | 22.73533 | 43.72311 | 9.92859 | 56.28141 |
| 2/17/2025 | 8:00:00 AM | 33.79787 | 59.8336 | 26.03573 | 21.69427 | 47.69219 | 13.89432 | 24.75568 | 48.90838 | 15.11051 | 24.23949 | 40.87993 | 7.08206 | 22.72794 | 43.73383 | 9.93596 | 56.27404 |
| 2/17/2025 | 9:00:00 AM | 33.81124 | 59.85145 | 26.04021 | 21.68979 | 47.70561 | 13.89437 | 24.75563 | 48.92621 | 15.11497 | 24.23503 | 40.88351 | 7.07227 | 22.73773 | 43.74455 | 9.93331 | 56.27669 |
| 2/17/2025 | 10:00:00 AM | 33.82796 | 59.86573 | 26.03777 | 21.69223 | 47.7358 | 13.90784 | 24.74216 | 48.9476 | 15.11964 | 24.23036 | 40.89066 | 7.0627 | 22.7473 | 43.7517 | 9.92374 | 56.28626 |
| 2/17/2025 | 11:00:00 AM | 33.838 | 59.88002 | 26.04202 | 21.68798 | 47.76598 | 13.92798 | 24.72202 | 48.97969 | 15.14169 | 24.20831 | 40.89782 | 7.05982 | 22.75018 | 43.76242 | 9.92442 | 56.28558 |
| 2/17/2025 | 12:00:00 PM | 33.79787 | 59.88716 | 26.08929 | 21.64071 | 47.78275 | 13.98488 | 24.66512 | 48.99395 | 15.19608 | 24.15392 | 40.89424 | 7.09637 | 22.71363 | 43.76242 | 9.96455 | 56.24545 |
| 2/17/2025 | 1:00:00 PM | 33.8079 | 59.87645 | 26.06855 | 21.66145 | 47.79281 | 13.98491 | 24.66509 | 49.00108 | 15.19318 | 24.15682 | 40.89424 | 7.08634 | 22.72366 | 43.74455 | 9.93665 | 56.27335 |
| 2/17/2025 | 2:00:00 PM | 33.82128 | 59.8943 | 26.07302 | 21.65698 | 47.81293 | 13.99165 | 24.65835 | 49.02604 | 15.20476 | 24.14524 | 40.90497 | 7.08369 | 22.72631 | 43.74813 | 9.92685 | 56.28315 |
| 2/17/2025 | 3:00:00 PM | 33.83465 | 59.91573 | 26.08108 | 21.64892 | 47.84647 | 14.01182 | 24.63818 | 49.051 | 15.21635 | 24.13365 | 40.90855 | 7.0739 | 22.7361 | 43.75527 | 9.92062 | 56.28938 |
| 2/17/2025 | 4:00:00 PM | 33.84468 | 59.92287 | 26.07819 | 21.65181 | 47.86995 | 14.02527 | 24.62473 | 49.07595 | 15.23127 | 24.11873 | 40.92286 | 7.07818 | 22.73182 | 43.76242 | 9.91774 | 56.29226 |
| 2/17/2025 | 5:00:00 PM | 33.85137 | 59.94072 | 26.08935 | 21.64065 | 47.89007 | 14.0387 | 24.6113 | 49.08308 | 15.23171 | 24.11829 | 40.92644 | 7.07507 | 22.73493 | 43.77314 | 9.92177 | 56.28823 |
| 2/17/2025 | 6:00:00 PM | 33.8614 | 59.94786 | 26.08646 | 21.64354 | 47.9102 | 14.0488 | 24.6012 | 49.11517 | 15.25377 | 24.09623 | 40.93717 | 7.07577 | 22.73423 | 43.78029 | 9.91889 | 56.29111 |
| 2/17/2025 | 7:00:00 PM | 33.86809 | 59.94429 | 26.0762 | 21.6538 | 47.92361 | 14.05552 | 24.59448 | 49.13656 | 15.26847 | 24.08153 | 40.93002 | 7.06193 | 22.74807 | 43.76957 | 9.90148 | 56.30852 |
| 2/17/2025 | 8:00:00 PM | 33.86475 | 59.96215 | 26.0974 | 21.6326 | 47.93367 | 14.06892 | 24.58108 | 49.15082 | 15.28607 | 24.06393 | 40.93359 | 7.06884 | 22.74116 | 43.76957 | 9.90482 | 56.30518 |
| 2/17/2025 | 9:00:00 PM | 33.87144 | 59.98 | 26.10856 | 21.62144 | 47.96721 | 14.09577 | 24.55423 | 49.17935 | 15.30791 | 24.04209 | 40.95506 | 7.08362 | 22.72638 | 43.78386 | 9.91242 | 56.29758 |
| 2/17/2025 | 10:00:00 PM | 33.87812 | 59.98714 | 26.10902 | 21.62098 | 47.98398 | 14.10586 | 24.54414 | 49.20787 | 15.32975 | 24.02025 | 40.96579 | 7.08767 | 22.72233 | 43.78744 | 9.90932 | 56.30068 |
| 2/17/2025 | 11:00:00 PM | 33.88481 | 59.99071 | 26.1059 | 21.6241 | 47.99404 | 14.10923 | 24.54077 | 49.21856 | 15.33375 | 24.01625 | 40.95506 | 7.07025 | 22.73975 | 43.78386 | 9.89905 | 56.31095 |
| 2/18/2025 | 12:00:00 AM | 33.89484 | 59.99786 | 26.10302 | 21.62698 | 48.00075 | 14.10591 | 24.54409 | 49.22926 | 15.33442 | 24.01558 | 40.97295 | 7.07811 | 22.73189 | 43.78029 | 9.88545 | 56.32455 |
| 2/18/2025 | 1:00:00 AM | 33.90488 | 60.01928 | 26.1144 | 21.6156 | 48.02423 | 14.11935 | 24.53065 | 49.25778 | 15.3529 | 23.9971 | 40.98368 | 7.0788 | 22.7312 | 43.78029 | 9.87541 | 56.33459 |
| 2/18/2025 | 2:00:00 AM | 33.90822 | 60.02999 | 26.12177 | 21.60823 | 48.02758 | 14.11936 | 24.53064 | 49.27917 | 15.37095 | 23.97905 | 40.98726 | 7.07904 | 22.73096 | 43.78744 | 9.87922 | 56.33078 |
| 2/18/2025 | 3:00:00 AM | 33.9216 | 60.03714 | 26.11554 | 21.61446 | 48.041 | 14.1194 | 24.5306 | 49.29343 | 15.37183 | 23.97817 | 40.99442 | 7.07282 | 22.73718 | 43.78744 | 9.86584 | 56.34416 |
| 2/18/2025 | 4:00:00 AM | 33.92494 | 60.04428 | 26.11934 | 21.61066 | 48.05106 | 14.12612 | 24.52388 | 49.30056 | 15.37562 | 23.97438 | 40.99442 | 7.06948 | 22.74052 | 43.79459 | 9.86965 | 56.34035 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/18/2025 | 5:00:00 AM | 33.92828 | 60.04785 | 26.11957 | 21.61043 | 48.05777 | 14.12949 | 24.52051 | 49.32196 | 15.39368 | 23.95632 | 41.00873 | 7.08045 | 22.72955 | 43.78744 | 9.85916 | 56.35084 |
| 2/18/2025 | 6:00:00 AM | 33.9216 | 60.04428 | 26.12268 | 21.60732 | 48.04771 | 14.12611 | 24.52389 | 49.32552 | 15.40392 | 23.94608 | 40.998 | 7.0764 | 22.7336 | 43.77672 | 9.85512 | 56.35488 |
| 2/18/2025 | 7:00:00 AM | 33.92828 | 60.04785 | 26.11957 | 21.61043 | 48.05777 | 14.12949 | 24.52051 | 49.33265 | 15.40437 | 23.94563 | 41.00873 | 7.08045 | 22.72955 | 43.77314 | 9.84486 | 56.36514 |
| 2/18/2025 | 8:00:00 AM | 33.93832 | 60.06213 | 26.12381 | 21.60619 | 48.07118 | 14.13286 | 24.51714 | 49.35048 | 15.41216 | 23.93784 | 41.02304 | 7.08472 | 22.72528 | 43.78029 | 9.84197 | 56.36803 |
| 2/18/2025 | 9:00:00 AM | 33.94166 | 60.07284 | 26.13118 | 21.59882 | 48.0846 | 14.14294 | 24.50706 | 49.3683 | 15.42664 | 23.92336 | 41.03735 | 7.09569 | 22.71431 | 43.79459 | 9.85293 | 56.35707 |
| 2/18/2025 | 10:00:00 AM | 33.93832 | 60.0657 | 26.12738 | 21.60262 | 48.08124 | 14.14292 | 24.50708 | 49.3683 | 15.42998 | 23.92002 | 41.03377 | 7.09545 | 22.71455 | 43.78029 | 9.84197 | 56.36803 |
| 2/18/2025 | 11:00:00 AM | 33.95169 | 60.06927 | 26.11758 | 21.61242 | 48.06783 | 14.11614 | 24.53386 | 49.36474 | 15.41305 | 23.93695 | 41.0302 | 7.07851 | 22.73149 | 43.77314 | 9.82145 | 56.38855 |
| 2/18/2025 | 12:00:00 PM | 33.96507 | 60.0657 | 26.10063 | 21.62937 | 48.07454 | 14.10947 | 24.54053 | 49.37187 | 15.4068 | 23.9432 | 41.03377 | 7.0687 | 22.7413 | 43.76242 | 9.79735 | 56.41265 |
| 2/18/2025 | 1:00:00 PM | 33.96841 | 60.05142 | 26.08301 | 21.64699 | 48.05106 | 14.08265 | 24.56735 | 49.35048 | 15.38207 | 23.96793 | 41.02304 | 7.05463 | 22.75537 | 43.74098 | 9.77257 | 56.43743 |
| 2/18/2025 | 2:00:00 PM | 33.96172 | 60.02999 | 26.06827 | 21.66173 | 48.01417 | 14.05245 | 24.59755 | 49.33265 | 15.37093 | 23.97907 | 41.00515 | 7.04343 | 22.76657 | 43.71239 | 9.75067 | 56.45933 |
| 2/18/2025 | 3:00:00 PM | 33.96172 | 60.02642 | 26.0647 | 21.6653 | 48.00746 | 14.04574 | 24.60426 | 49.32909 | 15.36737 | 23.98263 | 41.01588 | 7.05416 | 22.75584 | 43.71239 | 9.75067 | 56.45933 |
| 2/18/2025 | 4:00:00 PM | 33.96172 | 60.03357 | 26.07185 | 21.65815 | 48.00411 | 14.04239 | 24.60761 | 49.32909 | 15.36737 | 23.98263 | 41.0302 | 7.06848 | 22.74152 | 43.72311 | 9.76139 | 56.44861 |
| 2/18/2025 | 5:00:00 PM | 33.96172 | 60.02642 | 26.0647 | 21.6653 | 47.99404 | 14.03232 | 24.61768 | 49.33265 | 15.37093 | 23.97907 | 41.0302 | 7.06848 | 22.74152 | 43.73026 | 9.76854 | 56.44146 |
| 2/18/2025 | 6:00:00 PM | 33.94166 | 60.00857 | 26.06691 | 21.66309 | 47.97392 | 14.03226 | 24.61774 | 49.32196 | 15.3803 | 23.9697 | 41.01588 | 7.07422 | 22.73578 | 43.70881 | 9.76715 | 56.44285 |
| 2/18/2025 | 7:00:00 PM | 33.92494 | 59.99786 | 26.07292 | 21.65708 | 47.94709 | 14.02215 | 24.62785 | 49.297 | 15.37206 | 23.97794 | 41.00157 | 7.07663 | 22.73337 | 43.69452 | 9.76958 | 56.44042 |
| 2/18/2025 | 8:00:00 PM | 33.91156 | 59.97643 | 26.06487 | 21.66513 | 47.93703 | 14.02547 | 24.62453 | 49.29343 | 15.38187 | 23.96813 | 41.01231 | 7.10075 | 22.70925 | 43.68737 | 9.77581 | 56.43419 |
| 2/18/2025 | 9:00:00 PM | 33.89484 | 59.96572 | 26.07088 | 21.65912 | 47.90684 | 14.012 | 24.638 | 49.27204 | 15.3772 | 23.9728 | 40.998 | 7.10316 | 22.70684 | 43.68022 | 9.78538 | 56.42462 |
| 2/18/2025 | 10:00:00 PM | 33.88481 | 59.95143 | 26.06662 | 21.66338 | 47.89343 | 14.00862 | 24.64138 | 49.25778 | 15.37297 | 23.97703 | 40.998 | 7.11319 | 22.69681 | 43.6695 | 9.78469 | 56.42531 |
| 2/18/2025 | 11:00:00 PM | 33.87144 | 59.93715 | 26.06571 | 21.66429 | 47.85653 | 13.98509 | 24.66491 | 49.23282 | 15.36138 | 23.98862 | 40.98011 | 7.10867 | 22.70133 | 43.65878 | 9.78734 | 56.42266 |
| 2/19/2025 | 12:00:00 AM | 33.85806 | 59.91573 | 26.05767 | 21.67233 | 47.84647 | 13.98841 | 24.66159 | 49.22213 | 15.36407 | 23.98593 | 40.97653 | 7.11847 | 22.69153 | 43.65163 | 9.79357 | 56.41643 |
| 2/19/2025 | 1:00:00 AM | 33.84803 | 59.90501 | 26.05698 | 21.67302 | 47.80958 | 13.96155 | 24.68845 | 49.2043 | 15.35627 | 23.99373 | 40.96937 | 7.12134 | 22.68866 | 43.65163 | 9.8036 | 56.4064 |
| 2/19/2025 | 2:00:00 AM | 33.84134 | 59.88716 | 26.04582 | 21.68418 | 47.78275 | 13.94141 | 24.70859 | 49.19004 | 15.3487 | 24.0013 | 40.96579 | 7.12445 | 22.68555 | 43.64448 | 9.80314 | 56.40686 |
| 2/19/2025 | 3:00:00 AM | 33.84134 | 59.88359 | 26.04225 | 21.68775 | 47.76933 | 13.92799 | 24.72201 | 49.17935 | 15.33801 | 24.01199 | 40.96937 | 7.12803 | 22.68197 | 43.65163 | 9.81029 | 56.39971 |
| 2/19/2025 | 4:00:00 AM | 33.83131 | 59.86216 | 26.03085 | 21.69915 | 47.74921 | 13.9179 | 24.7321 | 49.15795 | 15.32664 | 24.02336 | 40.95506 | 7.12375 | 22.68625 | 43.64091 | 9.8096 | 56.4004 |
| 2/19/2025 | 5:00:00 AM | 33.81793 | 59.8336 | 26.01567 | 21.71433 | 47.71232 | 13.89439 | 24.75561 | 49.12943 | 15.3115 | 24.0385 | 40.92644 | 7.10851 | 22.70149 | 43.61947 | 9.80154 | 56.40846 |
| 2/19/2025 | 6:00:00 AM | 33.70758 | 59.79789 | 26.09031 | 21.63969 | 47.67207 | 13.96449 | 24.68551 | 49.09378 | 15.3862 | 23.9638 | 40.91213 | 7.20455 | 22.60545 | 43.59802 | 9.89044 | 56.31956 |
| 2/19/2025 | 7:00:00 AM | 33.70758 | 59.77289 | 26.06531 | 21.66469 | 47.64189 | 13.93431 | 24.71569 | 49.06882 | 15.36124 | 23.98876 | 40.90855 | 7.20097 | 22.60903 | 43.59445 | 9.88687 | 56.32313 |
| 2/19/2025 | 8:00:00 AM | 33.71427 | 59.81574 | 26.10147 | 21.62853 | 47.66872 | 13.95445 | 24.69555 | 49.1116 | 15.39733 | 23.95267 | 40.94075 | 7.22648 | 22.58352 | 43.64806 | 9.93379 | 56.27621 |
| 2/19/2025 | 9:00:00 AM | 33.72764 | 59.81931 | 26.09167 | 21.63833 | 47.67878 | 13.95114 | 24.69886 | 49.1223 | 15.39466 | 23.95534 | 40.94791 | 7.22027 | 22.58973 | 43.66593 | 9.93829 | 56.27171 |
| 2/19/2025 | 10:00:00 AM | 33.74102 | 59.83717 | 26.09615 | 21.63385 | 47.69555 | 13.95453 | 24.69547 | 49.14726 | 15.40624 | 23.94376 | 40.95506 | 7.21404 | 22.59596 | 43.70524 | 9.96422 | 56.24578 |
| 2/19/2025 | 11:00:00 AM | 33.76108 | 59.85859 | 26.09751 | 21.63249 | 47.73244 | 13.97136 | 24.67864 | 49.18291 | 15.42183 | 23.92817 | 40.95864 | 7.19756 | 22.61244 | 43.72668 | 9.9656 | 56.2444 |
| 2/19/2025 | 12:00:00 PM | 33.77446 | 59.85859 | 26.08413 | 21.64587 | 47.7425 | 13.96804 | 24.68196 | 49.19717 | 15.42271 | 23.92729 | 40.95148 | 7.17702 | 22.63298 | 43.71596 | 9.9415 | 56.2685 |
| 2/19/2025 | 1:00:00 PM | 33.78115 | 59.85502 | 26.07387 | 21.65613 | 47.73915 | 13.958 | 24.692 | 49.19361 | 15.41246 | 23.93754 | 40.93717 | 7.15602 | 22.65398 | 43.71596 | 9.93481 | 56.27519 |
| 2/19/2025 | 2:00:00 PM | 33.78784 | 59.87288 | 26.08504 | 21.64496 | 47.76263 | 13.97479 | 24.67521 | 49.21856 | 15.43072 | 23.91928 | 40.95148 | 7.16364 | 22.64636 | 43.73383 | 9.94599 | 56.26401 |
| 2/19/2025 | 3:00:00 PM | 33.8079 | 59.87645 | 26.06855 | 21.66145 | 47.77269 | 13.96479 | 24.68521 | 49.23282 | 15.42492 | 23.92508 | 40.95148 | 7.14358 | 22.66642 | 43.7374 | 9.9295 | 56.2805 |
| 2/19/2025 | 4:00:00 PM | 33.83131 | 59.92287 | 26.09156 | 21.63844 | 47.8297 | 13.99839 | 24.65161 | 49.28274 | 15.45143 | 23.89857 | 40.98368 | 7.15237 | 22.65763 | 43.78386 | 9.95255 | 56.25745 |
| 2/19/2025 | 5:00:00 PM | 33.84803 | 59.95858 | 26.11055 | 21.61945 | 47.86995 | 14.02192 | 24.62808 | 49.33265 | 15.48462 | 23.86538 | 41.00515 | 7.15712 | 22.65288 | 43.80531 | 9.95728 | 56.25272 |
| 2/19/2025 | 6:00:00 PM | 33.86475 | 59.98 | 26.11525 | 21.61475 | 47.91355 | 14.0488 | 24.6012 | 49.36474 | 15.49999 | 23.85001 | 41.01231 | 7.14756 | 22.66244 | 43.82318 | 9.95843 | 56.25157 |
| 2/19/2025 | 7:00:00 PM | 33.88147 | 60.005 | 26.12353 | 21.60647 | 47.95044 | 14.06897 | 24.58103 | 49.40752 | 15.52605 | 23.82395 | 41.0302 | 7.14873 | 22.66127 | 43.84462 | 9.96315 | 56.24685 |
| 2/19/2025 | 8:00:00 PM | 33.8915 | 60.03714 | 26.14564 | 21.58436 | 47.98063 | 14.08913 | 24.56087 | 49.43961 | 15.54811 | 23.80189 | 41.03735 | 7.14585 | 22.66415 | 43.85177 | 9.96027 | 56.24973 |
| 2/19/2025 | 9:00:00 PM | 33.90488 | 60.05499 | 26.15011 | 21.57989 | 48.02423 | 14.11935 | 24.53065 | 49.46813 | 15.56325 | 23.78675 | 41.04808 | 7.1432 | 22.6668 | 43.86249 | 9.95761 | 56.25239 |
| 2/19/2025 | 10:00:00 PM | 33.91491 | 60.07284 | 26.15793 | 21.57207 | 48.05106 | 14.13615 | 24.51385 | 49.50735 | 15.59244 | 23.75756 | 41.05524 | 7.14033 | 22.66967 | 43.88036 | 9.96545 | 56.24455 |
| 2/19/2025 | 11:00:00 PM | 33.93497 | 60.10141 | 26.16644 | 21.56356 | 48.07789 | 14.14292 | 24.50708 | 49.52874 | 15.59377 | 23.75623 | 41.06955 | 7.13458 | 22.67542 | 43.87321 | 9.93824 | 56.27176 |
| 2/20/2025 | 12:00:00 AM | 33.94166 | 60.12641 | 26.18475 | 21.54525 | 48.11143 | 14.16977 | 24.48023 | 49.56796 | 15.6263 | 23.7237 | 41.08386 | 7.1422 | 22.6678 | 43.87679 | 9.93513 | 56.27487 |
| 2/20/2025 | 1:00:00 AM | 33.95169 | 60.16426 | 26.19257 | 21.53743 | 48.14161 | 14.18992 | 24.46008 | 49.58222 | 15.63053 | 23.71947 | 41.08744 | 7.13575 | 22.67425 | 43.88036 | 9.92867 | 56.28133 |
| 2/20/2025 | 2:00:00 AM | 33.96841 | 60.16926 | 26.20085 | 21.52915 | 48.1718 | 14.20339 | 24.44661 | 49.61787 | 15.64946 | 23.70054 | 41.09817 | 7.12976 | 22.68024 | 43.88393 | 9.91552 | 56.29448 |
| 2/20/2025 | 3:00:00 AM | 33.97176 | 60.17997 | 26.20821 | 21.52179 | 48.19192 | 14.22016 | 24.42984 | 49.62857 | 15.65681 | 23.69319 | 41.10891 | 7.13715 | 22.67285 | 43.89108 | 9.91932 | 56.29068 |
| 2/20/2025 | 4:00:00 AM | 33.98179 | 60.2014 | 26.21961 | 21.51039 | 48.21875 | 14.23696 | 24.41304 | 49.64996 | 15.66817 | 23.68183 | 41.1268 | 7.14501 | 22.66499 | 43.88393 | 9.90214 | 56.30786 |
| 2/20/2025 | 5:00:00 AM | 33.98513 | 60.2014 | 26.21627 | 21.51373 | 48.22882 | 14.24369 | 24.40631 | 49.66779 | 15.68266 | 23.66734 | 41.13037 | 7.14524 | 22.66476 | 43.88751 | 9.90238 | 56.30762 |
| 2/20/2025 | 6:00:00 AM | 33.98848 | 60.22282 | 26.23434 | 21.49566 | 48.23888 | 14.2504 | 24.3996 | 49.67492 | 15.68644 | 23.66356 | 41.13753 | 7.14905 | 22.66095 | 43.88393 | 9.89545 | 56.31455 |
| 2/20/2025 | 7:00:00 AM | 33.99182 | 60.22639 | 26.23457 | 21.49543 | 48.24559 | 14.25377 | 24.39623 | 49.68205 | 15.69023 | 23.65977 | 41.14468 | 7.15286 | 22.65714 | 43.86606 | 9.87424 | 56.33576 |
| 2/20/2025 | 8:00:00 AM | 33.99182 | 60.24068 | 26.24886 | 21.48114 | 48.259 | 14.26718 | 24.38282 | 49.69274 | 15.70092 | 23.64908 | 41.159 | 7.16718 | 22.64282 | 43.87679 | 9.88497 | 56.32503 |
| 2/20/2025 | 9:00:00 AM | 34.0052 | 60.25853 | 26.25333 | 21.47667 | 48.27912 | 14.27392 | 24.37608 | 49.71414 | 15.70894 | 23.64106 | 41.17689 | 7.17169 | 22.63831 | 43.88393 | 9.87873 | 56.33127 |
| 2/20/2025 | 10:00:00 AM | 34.01523 | 60.26924 | 26.25401 | 21.47599 | 48.29254 | 14.27731 | 24.37269 | 49.72483 | 15.7096 | 23.6404 | 41.18404 | 7.16881 | 22.64119 | 43.87679 | 9.86156 | 56.34844 |
| 2/20/2025 | 11:00:00 AM | 34.02192 | 60.27996 | 26.25804 | 21.47196 | 48.28919 | 14.26727 | 24.38273 | 49.73553 | 15.71361 | 23.63639 | 41.18046 | 7.15854 | 22.65146 | 43.86606 | 9.84414 | 56.36586 |
| 2/20/2025 | 12:00:00 PM | 34.01857 | 60.27281 | 26.25424 | 21.47576 | 48.27577 | 14.2572 | 24.3928 | 49.71057 | 15.692 | 23.658 | 41.17331 | 7.15474 | 22.65526 | 43.85534 | 9.83677 | 56.37323 |
| 2/20/2025 | 1:00:00 PM | 34.01188 | 60.25139 | 26.23951 | 21.49049 | 48.25229 | 14.24041 | 24.40959 | 49.69274 | 15.68086 | 23.66914 | 41.18046 | 7.16858 | 22.64142 | 43.82675 | 9.81487 | 56.39513 |
| 2/20/2025 | 2:00:00 PM | 34.00854 | 60.24068 | 26.23214 | 21.49786 | 48.24559 | 14.23705 | 24.41295 | 49.67848 | 15.66994 | 23.68006 | 41.18404 | 7.1755 | 22.6345 | 43.8196 | 9.81106 | 56.39894 |
| 2/20/2025 | 3:00:00 PM | 33.98513 | 60.23353 | 26.2484 | 21.4816 | 48.22882 | 14.24369 | 24.40631 | 49.66066 | 15.67553 | 23.67447 | 41.18762 | 7.20249 | 22.60751 | 43.80531 | 9.82018 | 56.38982 |
| 2/20/2025 | 4:00:00 PM | 33.97844 | 60.25853 | 26.28009 | 21.44991 | 48.23888 | 14.26044 | 24.38956 | 49.67492 | 15.69648 | 23.65352 | 41.20551 | 7.22707 | 22.58293 | 43.82318 | 9.84474 | 56.36526 |
| 2/20/2025 | 5:00:00 PM | 33.98848 | 60.27281 | 26.28433 | 21.44567 | 48.24894 | 14.26046 | 24.38954 | 49.68918 | 15.7007 | 23.6493 | 41.2234 | 7.23492 | 22.57508 | 43.84462 | 9.85614 | 56.35386 |
| 2/20/2025 | 6:00:00 PM | 33.98848 | 60.28353 | 26.29505 | 21.43495 | 48.25565 | 14.26717 | 24.38283 | 49.69274 | 15.70426 | 23.64574 | 41.22697 | 7.23849 | 22.57151 | 43.8482 | 9.85972 | 56.35028 |
| 2/20/2025 | 7:00:00 PM | 33.9751 | 60.26924 | 26.29414 | 21.43586 | 48.23888 | 14.26378 | 24.38622 | 49.68561 | 15.71051 | 23.63949 | 41.21982 | 7.24472 | 22.56528 | 43.82675 | 9.85165 | 56.35835 |
| 2/20/2025 | 8:00:00 PM | 33.96841 | 60.26924 | 26.30083 | 21.42917 | 48.23552 | 14.26711 | 24.38289 | 49.67848 | 15.71007 | 23.63993 | 41.21982 | 7.25141 | 22.55859 | 43.82318 | 9.85477 | 56.35523 |
| 2/20/2025 | 9:00:00 PM | 33.95169 | 60.24068 | 26.28899 | 21.44101 | 48.20869 | 14.257 | 24.393 | 49.6464 | 15.69471 | 23.65529 | 41.21266 | 7.26097 | 22.54903 | 43.80531 | 9.85362 | 56.35638 |
| 2/20/2025 | 10:00:00 PM | 33.94835 | 60.24068 | 26.29233 | 21.43767 | 48.19192 | 14.24357 | 24.40643 | 49.6357 | 15.68735 | 23.66265 | 41.2234 | 7.27505 | 22.53495 | 43.80888 | 9.86053 | 56.34947 |
| 2/20/2025 | 11:00:00 PM | 33.94166 | 60.23711 | 26.29545 | 21.43455 | 48.17515 | 14.23349 | 24.41651 | 49.62144 | 15.67978 | 23.67022 | 41.21266 | 7.271 | 22.539 | 43.79816 | 9.8565 | 56.3535 |
| 2/21/2025 | 12:00:00 AM | 33.93832 | 60.22996 | 26.29164 | 21.43836 | 48.15838 | 14.22006 | 24.42994 | 49.61074 | 15.67242 | 23.67758 | 41.21624 | 7.27792 | 22.53208 | 43.79459 | 9.85627 | 56.35373 |
| 2/21/2025 | 1:00:00 AM | 33.92828 | 60.2014 | 26.27312 | 21.45688 | 48.13155 | 14.20327 | 24.44673 | 49.58222 | 15.65394 | 23.69606 | 41.20551 | 7.27723 | 22.53277 | 43.78386 | 9.85558 | 56.35442 |
| 2/21/2025 | 2:00:00 AM | 33.9216 | 60.20854 | 26.28694 | 21.44306 | 48.13155 | 14.20995 | 24.44005 | 49.57866 | 15.65706 | 23.69294 | 41.21266 | 7.29106 | 22.51894 | 43.78744 | 9.86584 | 56.34416 |
| 2/21/2025 | 3:00:00 AM | 33.92494 | 60.21925 | 26.29431 | 21.43569 | 48.12149 | 14.19655 | 24.45345 | 49.57509 | 15.65015 | 23.69985 | 41.2234 | 7.29846 | 22.51154 | 43.79459 | 9.86965 | 56.34035 |
| 2/21/2025 | 4:00:00 AM | 33.91156 | 60.19783 | 26.28627 | 21.44373 | 48.10472 | 14.19316 | 24.45684 | 49.5537 | 15.64214 | 23.70786 | 41.21624 | 7.30468 | 22.50532 | 43.79101 | 9.87945 | 56.33055 |
| 2/21/2025 | 5:00:00 AM | 33.90153 | 60.16926 | 26.26773 | 21.46227 | 48.06783 | 14.1663 | 24.4837 | 49.52874 | 15.62721 | 23.72279 | 41.19477 | 7.29324 | 22.51676 | 43.766 | 9.86447 | 56.34553 |
| 2/21/2025 | 6:00:00 AM | 33.87478 | 60.12998 | 26.2552 | 21.4748 | 48.02423 | 14.14945 | 24.50055 | 49.48239 | 15.60761 | 23.74239 | 41.17331 | 7.29853 | 22.51147 | 43.74098 | 9.8662 | 56.3438 |
| 2/21/2025 | 7:00:00 AM | 33.87144 | 60.12284 | 26.2514 | 21.4786 | 47.99404 | 14.1226 | 24.5274 | 49.461 | 15.58956 | 23.76044 | 41.17331 | 7.30187 | 22.50813 | 43.73383 | 9.86239 | 56.34761 |
| 2/21/2025 | 8:00:00 AM | 33.8614 | 60.10498 | 26.24358 | 21.48642 | 47.98398 | 14.12258 | 24.52742 | 49.44674 | 15.58534 | 23.76466 | 41.18046 | 7.31906 | 22.49094 | 43.74455 | 9.88315 | 56.32685 |
| 2/21/2025 | 9:00:00 AM | 33.87144 | 60.13355 | 26.26211 | 21.46789 | 47.98734 | 14.1159 | 24.5341 | 49.461 | 15.58956 | 23.76044 | 41.20551 | 7.33407 | 22.47593 | 43.76957 | 9.89813 | 56.31187 |
| 2/21/2025 | 10:00:00 AM | 33.86475 | 60.09427 | 26.22952 | 21.50048 | 47.95715 | 14.0924 | 24.5576 | 49.42891 | 15.56416 | 23.78584 | 41.17689 | 7.31214 | 22.49786 | 43.76242 | 9.89767 | 56.31233 |
| 2/21/2025 | 11:00:00 AM | 33.87478 | 60.12641 | 26.25163 | 21.47837 | 47.97057 | 14.09579 | 24.55421 | 49.44318 | 15.5684 | 23.7816 | 41.19835 | 7.32357 | 22.48643 | 43.78744 | 9.91266 | 56.29734 |
| 2/21/2025 | 12:00:00 PM | 33.87812 | 60.12998 | 26.25186 | 21.47814 | 47.97727 | 14.09915 | 24.55085 | 49.45387 | 15.57575 | 23.77425 | 41.19477 | 7.31665 | 22.49335 | 43.79816 | 9.92004 | 56.28996 |
| 2/21/2025 | 1:00:00 PM | 33.86809 | 60.09784 | 26.22975 | 21.50025 | 47.94038 | 14.07229 | 24.57771 | 49.41822 | 15.55013 | 23.79987 | 41.17689 | 7.3088 | 22.5012 | 43.77672 | 9.90863 | 56.30137 |
| 2/21/2025 | 2:00:00 PM | 33.87478 | 60.07642 | 26.20164 | 21.52836 | 47.93367 | 14.05889 | 24.59111 | 49.40752 | 15.53274 | 23.81726 | 41.16973 | 7.29495 | 22.51505 | 43.7517 | 9.87692 | 56.33308 |
| 2/21/2025 | 3:00:00 PM | 33.87478 | 60.08356 | 26.20878 | 21.52122 | 47.92361 | 14.04883 | 24.60117 | 49.40752 | 15.53274 | 23.81726 | 41.17331 | 7.29853 | 22.51147 | 43.77314 | 9.89836 | 56.31164 |
| 2/21/2025 | 4:00:00 PM | 33.87478 | 60.08713 | 26.21235 | 21.51765 | 47.93032 | 14.05554 | 24.59446 | 49.40752 | 15.53274 | 23.81726 | 41.17331 | 7.29853 | 22.51147 | 43.78386 | 9.90908 | 56.30092 |
| 2/21/2025 | 5:00:00 PM | 33.86809 | 60.07642 | 26.20833 | 21.52167 | 47.92361 | 14.05552 | 24.59448 | 49.39683 | 15.52874 | 23.82126 | 41.16615 | 7.29806 | 22.51194 | 43.77672 | 9.90863 | 56.30137 |
| 2/21/2025 | 6:00:00 PM | 33.86809 | 60.07284 | 26.20475 | 21.52525 | 47.92026 | 14.05217 | 24.59783 | 49.39326 | 15.52517 | 23.82483 | 41.16615 | 7.29806 | 22.51194 | 43.79101 | 9.92292 | 56.28708 |
| 2/21/2025 | 7:00:00 PM | 33.87144 | 60.07284 | 26.2014 | 21.5286 | 47.9169 | 14.04546 | 24.60454 | 49.39326 | 15.52182 | 23.82818 | 41.159 | 7.28756 | 22.52244 | 43.79101 | 9.91957 | 56.29043 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/21/2025 | 8:00:00 PM | 33.86809 | 60.0657 | 26.19761 | 21.53239 | 47.90684 | 14.03875 | 24.61125 | 49.38257 | 15.51448 | 23.83552 | 41.15184 | 7.28375 | 22.52625 | 43.77672 | 9.90863 | 56.30137 |
| 2/21/2025 | 9:00:00 PM | 33.85472 | 60.05856 | 26.20384 | 21.52616 | 47.90684 | 14.05212 | 24.59788 | 49.37187 | 15.51715 | 23.83285 | 41.14468 | 7.28996 | 22.52004 | 43.77672 | 9.922 | 56.288 |
| 2/21/2025 | 10:00:00 PM | 33.86475 | 60.08356 | 26.21881 | 21.51119 | 47.92697 | 14.06222 | 24.58778 | 49.39326 | 15.52851 | 23.82149 | 41.16973 | 7.30498 | 22.50502 | 43.81603 | 9.95128 | 56.25872 |
| 2/21/2025 | 11:00:00 PM | 33.87144 | 60.07642 | 26.20498 | 21.52502 | 47.93367 | 14.06223 | 24.58777 | 49.39326 | 15.52182 | 23.82818 | 41.159 | 7.28756 | 22.52244 | 43.80888 | 9.93744 | 56.27256 |
| 2/22/2025 | 12:00:00 AM | 33.87144 | 60.07642 | 26.20498 | 21.52502 | 47.94374 | 14.0723 | 24.5777 | 49.40752 | 15.53608 | 23.81392 | 41.16973 | 7.29829 | 22.51171 | 43.82318 | 9.95174 | 56.25826 |
| 2/22/2025 | 1:00:00 AM | 33.88147 | 60.07642 | 26.19495 | 21.53505 | 47.94709 | 14.06562 | 24.58438 | 49.40752 | 15.52605 | 23.82395 | 41.15184 | 7.27037 | 22.53963 | 43.82318 | 9.94171 | 56.26829 |
| 2/22/2025 | 2:00:00 AM | 33.87812 | 60.06927 | 26.19115 | 21.53885 | 47.94374 | 14.06562 | 24.58438 | 49.41109 | 15.53297 | 23.81703 | 41.14826 | 7.27014 | 22.53986 | 43.81246 | 9.93434 | 56.27566 |
| 2/22/2025 | 3:00:00 AM | 33.88147 | 60.08356 | 26.20209 | 21.52791 | 47.96051 | 14.07904 | 24.57096 | 49.41822 | 15.53675 | 23.81325 | 41.15542 | 7.27395 | 22.53605 | 43.81603 | 9.93456 | 56.27544 |
| 2/22/2025 | 4:00:00 AM | 33.88481 | 60.07642 | 26.19161 | 21.53839 | 47.96051 | 14.0757 | 24.5743 | 49.41822 | 15.53341 | 23.81659 | 41.14111 | 7.2563 | 22.5537 | 43.82318 | 9.93837 | 56.27163 |
| 2/22/2025 | 5:00:00 AM | 33.86475 | 60.07284 | 26.20809 | 21.52191 | 47.96386 | 14.09911 | 24.55089 | 49.42535 | 15.5606 | 23.7894 | 41.14468 | 7.27993 | 22.53007 | 43.8196 | 9.95485 | 56.25515 |
| 2/22/2025 | 6:00:00 AM | 33.86809 | 60.05499 | 26.1869 | 21.5431 | 47.9538 | 14.08571 | 24.56429 | 49.41465 | 15.54656 | 23.80344 | 41.13395 | 7.26586 | 22.54414 | 43.80173 | 9.93364 | 56.27636 |
| 2/22/2025 | 7:00:00 AM | 33.85806 | 60.05142 | 26.19336 | 21.53664 | 47.94038 | 14.08232 | 24.56768 | 49.41465 | 15.55659 | 23.79341 | 41.12322 | 7.26516 | 22.54484 | 43.79816 | 9.9401 | 56.2699 |
| 2/22/2025 | 8:00:00 AM | 33.85137 | 60.02285 | 26.17148 | 21.55852 | 47.93367 | 14.0823 | 24.5677 | 49.40039 | 15.54902 | 23.80098 | 41.12322 | 7.27185 | 22.53815 | 43.78386 | 9.93249 | 56.27751 |
| 2/22/2025 | 9:00:00 AM | 33.85137 | 60.01928 | 26.16791 | 21.56209 | 47.9102 | 14.05883 | 24.59117 | 49.38257 | 15.5312 | 23.8188 | 41.11248 | 7.26111 | 22.54889 | 43.77314 | 9.92177 | 56.28823 |
| 2/22/2025 | 10:00:00 AM | 33.84134 | 60.00143 | 26.16009 | 21.56991 | 47.88337 | 14.04203 | 24.60797 | 49.3683 | 15.52696 | 23.82304 | 41.0946 | 7.25326 | 22.55674 | 43.75885 | 9.91751 | 56.29249 |
| 2/22/2025 | 11:00:00 AM | 33.83131 | 59.96929 | 26.13798 | 21.59202 | 47.86324 | 14.03193 | 24.61807 | 49.33978 | 15.50847 | 23.84153 | 41.07671 | 7.2454 | 22.5646 | 43.7374 | 9.90609 | 56.30391 |
| 2/22/2025 | 12:00:00 PM | 33.81793 | 59.93001 | 26.11208 | 21.61792 | 47.81964 | 14.00171 | 24.64829 | 49.29343 | 15.4755 | 23.8745 | 41.04451 | 7.22658 | 22.58342 | 43.70167 | 9.88374 | 56.32626 |
| 2/22/2025 | 1:00:00 PM | 33.79452 | 59.87645 | 26.08193 | 21.64807 | 47.76933 | 13.97481 | 24.67519 | 49.25065 | 15.45613 | 23.89387 | 41.01946 | 7.22494 | 22.58506 | 43.6695 | 9.87498 | 56.33502 |
| 2/22/2025 | 2:00:00 PM | 33.7778 | 59.85145 | 26.07365 | 21.65635 | 47.71232 | 13.93452 | 24.71548 | 49.19717 | 15.41937 | 23.93063 | 41.00515 | 7.22735 | 22.58265 | 43.64448 | 9.86668 | 56.34332 |
| 2/22/2025 | 3:00:00 PM | 33.66745 | 59.81931 | 26.15186 | 21.57814 | 47.66872 | 14.00127 | 24.64873 | 49.15439 | 15.48694 | 23.86306 | 40.98726 | 7.31981 | 22.49019 | 43.63019 | 9.96274 | 56.24726 |
| 2/22/2025 | 4:00:00 PM | 33.6942 | 59.87288 | 26.17868 | 21.55132 | 47.70896 | 14.01476 | 24.63524 | 49.215 | 15.5208 | 23.8292 | 41.04451 | 7.35031 | 22.45969 | 43.69452 | 10.00032 | 56.20968 |
| 2/22/2025 | 5:00:00 PM | 33.69755 | 59.87645 | 26.1789 | 21.5511 | 47.71232 | 14.01477 | 24.63523 | 49.22926 | 15.53171 | 23.81829 | 41.05166 | 7.35411 | 22.45589 | 43.73026 | 10.03271 | 56.17729 |
| 2/22/2025 | 6:00:00 PM | 33.6942 | 59.85859 | 26.16439 | 21.56561 | 47.71567 | 14.02147 | 24.62853 | 49.22569 | 15.53149 | 23.81851 | 41.03377 | 7.33957 | 22.47043 | 43.71953 | 10.02533 | 56.18467 |
| 2/22/2025 | 7:00:00 PM | 33.70758 | 59.88002 | 26.17244 | 21.55756 | 47.72909 | 14.02151 | 24.62849 | 49.24709 | 15.53951 | 23.81049 | 41.03735 | 7.32977 | 22.48023 | 43.74455 | 10.03697 | 56.17303 |
| 2/22/2025 | 8:00:00 PM | 33.70089 | 59.85859 | 26.1577 | 21.5723 | 47.71232 | 14.01143 | 24.63857 | 49.23639 | 15.5355 | 23.8145 | 41.00515 | 7.30426 | 22.50574 | 43.73026 | 10.02937 | 56.18063 |
| 2/22/2025 | 9:00:00 PM | 33.71092 | 59.87288 | 26.16196 | 21.56804 | 47.73915 | 14.02823 | 24.62177 | 49.26135 | 15.55043 | 23.79957 | 41.01588 | 7.30496 | 22.50504 | 43.74098 | 10.03006 | 56.17994 |
| 2/22/2025 | 10:00:00 PM | 33.72096 | 59.88359 | 26.16263 | 21.56737 | 47.75256 | 14.0316 | 24.6184 | 49.26848 | 15.54752 | 23.80248 | 41.01946 | 7.2985 | 22.5115 | 43.75885 | 10.03789 | 56.17211 |
| 2/22/2025 | 11:00:00 PM | 33.72764 | 59.89787 | 26.17023 | 21.55977 | 47.77604 | 14.0484 | 24.6016 | 49.297 | 15.56936 | 23.78064 | 41.01946 | 7.29182 | 22.51818 | 43.77314 | 10.0455 | 56.1645 |
| 2/23/2025 | 12:00:00 AM | 33.74102 | 59.90144 | 26.16042 | 21.56958 | 47.7861 | 14.04508 | 24.60492 | 49.30769 | 15.56667 | 23.78333 | 41.01231 | 7.27129 | 22.53871 | 43.77672 | 10.0357 | 56.1743 |
| 2/23/2025 | 1:00:00 AM | 33.73433 | 59.8943 | 26.15997 | 21.57003 | 47.7861 | 14.05177 | 24.59823 | 49.31483 | 15.5805 | 23.7695 | 41.00157 | 7.26724 | 22.54276 | 43.766 | 10.03167 | 56.17833 |
| 2/23/2025 | 2:00:00 AM | 33.73433 | 59.88716 | 26.15283 | 21.57717 | 47.78946 | 14.05513 | 24.59487 | 49.32552 | 15.59119 | 23.75881 | 40.99084 | 7.25651 | 22.55349 | 43.766 | 10.03167 | 56.17833 |
| 2/23/2025 | 3:00:00 AM | 33.73768 | 59.88002 | 26.14234 | 21.58766 | 47.80287 | 14.06519 | 24.58481 | 49.34335 | 15.60567 | 23.74433 | 41.00157 | 7.26389 | 22.54611 | 43.766 | 10.02832 | 56.18168 |
| 2/23/2025 | 4:00:00 AM | 33.74102 | 59.8943 | 26.15328 | 21.57672 | 47.823 | 14.08198 | 24.56802 | 49.36474 | 15.62372 | 23.72628 | 41.00515 | 7.26413 | 22.54587 | 43.76957 | 10.02855 | 56.18145 |
| 2/23/2025 | 5:00:00 AM | 33.75105 | 59.9193 | 26.16825 | 21.56175 | 47.84983 | 14.09878 | 24.55122 | 49.39326 | 15.64221 | 23.70779 | 41.01231 | 7.26126 | 22.54874 | 43.80531 | 10.05426 | 56.15574 |
| 2/23/2025 | 6:00:00 AM | 33.74771 | 59.92287 | 26.17516 | 21.55484 | 47.86995 | 14.12224 | 24.52776 | 49.41465 | 15.66694 | 23.68306 | 41.01231 | 7.2646 | 22.5454 | 43.80173 | 10.05402 | 56.15598 |
| 2/23/2025 | 7:00:00 AM | 33.75774 | 59.93715 | 26.17941 | 21.55059 | 47.90014 | 14.1424 | 24.5076 | 49.45031 | 15.69257 | 23.65743 | 41.02304 | 7.2653 | 22.5447 | 43.80531 | 10.04757 | 56.16243 |
| 2/23/2025 | 8:00:00 AM | 33.76108 | 59.93715 | 26.17607 | 21.55393 | 47.9102 | 14.14912 | 24.50088 | 49.47526 | 15.71418 | 23.63582 | 41.00873 | 7.24765 | 22.56235 | 43.80888 | 10.0478 | 56.1622 |
| 2/23/2025 | 9:00:00 AM | 33.76443 | 59.94429 | 26.17986 | 21.55014 | 47.92026 | 14.15583 | 24.49417 | 49.49665 | 15.73222 | 23.61778 | 41.01588 | 7.25145 | 22.55855 | 43.80173 | 10.0373 | 56.1727 |
| 2/23/2025 | 10:00:00 AM | 33.76443 | 59.93358 | 26.16915 | 21.56085 | 47.90684 | 14.14241 | 24.50759 | 49.50378 | 15.73935 | 23.61065 | 41.00873 | 7.2443 | 22.5657 | 43.78029 | 10.01586 | 56.19414 |
| 2/23/2025 | 11:00:00 AM | 33.75105 | 59.89073 | 26.13968 | 21.59032 | 47.88337 | 14.13232 | 24.51768 | 49.48952 | 15.73847 | 23.61153 | 40.98368 | 7.23263 | 22.57737 | 43.7517 | 10.00065 | 56.20935 |
| 2/23/2025 | 12:00:00 PM | 33.75105 | 59.88002 | 26.12897 | 21.60103 | 47.8666 | 14.11555 | 24.53445 | 49.47883 | 15.72778 | 23.62222 | 40.98011 | 7.22906 | 22.58094 | 43.73383 | 9.98278 | 56.22722 |
| 2/23/2025 | 1:00:00 PM | 33.72764 | 59.83717 | 26.10953 | 21.62047 | 47.81964 | 14.092 | 24.558 | 49.45387 | 15.72623 | 23.62377 | 40.94791 | 7.22027 | 22.58973 | 43.69094 | 9.9633 | 56.2467 |
| 2/23/2025 | 2:00:00 PM | 33.71427 | 59.82288 | 26.10861 | 21.62139 | 47.78275 | 14.06848 | 24.58152 | 49.42535 | 15.71108 | 23.63892 | 40.94075 | 7.22648 | 22.58352 | 43.66235 | 9.94808 | 56.26192 |
| 2/23/2025 | 3:00:00 PM | 33.69086 | 59.76932 | 26.07846 | 21.65154 | 47.72909 | 14.03823 | 24.61177 | 49.39326 | 15.7024 | 23.6476 | 40.91928 | 7.22842 | 22.58158 | 43.63019 | 9.93933 | 56.27067 |
| 2/23/2025 | 4:00:00 PM | 33.60392 | 59.7836 | 26.17968 | 21.55032 | 47.72573 | 14.12181 | 24.52819 | 49.40396 | 15.80004 | 23.54996 | 40.93002 | 7.3261 | 22.4839 | 43.65163 | 10.04771 | 56.16229 |
| 2/23/2025 | 5:00:00 PM | 33.59723 | 59.76932 | 26.17209 | 21.55791 | 47.70226 | 14.10503 | 24.54497 | 49.38613 | 15.7889 | 23.5611 | 40.92286 | 7.32563 | 22.48437 | 43.64806 | 10.05083 | 56.15917 |
| 2/23/2025 | 6:00:00 PM | 33.62064 | 59.79789 | 26.17725 | 21.55275 | 47.73244 | 14.1118 | 24.5382 | 49.45031 | 15.82967 | 23.52033 | 40.96222 | 7.34158 | 22.46842 | 43.69094 | 10.0703 | 56.1397 |
| 2/23/2025 | 7:00:00 PM | 33.65742 | 59.87645 | 26.21903 | 21.51097 | 47.81964 | 14.16222 | 24.48778 | 49.543 | 15.88558 | 23.46442 | 41.00873 | 7.35131 | 22.45869 | 43.78029 | 10.12287 | 56.08713 |
| 2/23/2025 | 8:00:00 PM | 33.68083 | 59.92644 | 26.24561 | 21.48439 | 47.89007 | 14.20924 | 24.44076 | 49.60718 | 15.92635 | 23.42365 | 41.03377 | 7.35294 | 22.45706 | 43.83747 | 10.15664 | 56.05336 |
| 2/23/2025 | 9:00:00 PM | 33.71092 | 59.96929 | 26.25837 | 21.47163 | 47.95044 | 14.23952 | 24.41048 | 49.69274 | 15.98182 | 23.36818 | 41.04451 | 7.33359 | 22.47641 | 43.87679 | 10.16587 | 56.04413 |
| 2/23/2025 | 10:00:00 PM | 33.72764 | 59.98714 | 26.2595 | 21.4705 | 47.98734 | 14.2597 | 24.3903 | 49.73909 | 16.01145 | 23.33855 | 41.04451 | 7.31687 | 22.49313 | 43.87321 | 10.14557 | 56.06443 |
| 2/23/2025 | 11:00:00 PM | 33.73768 | 59.99429 | 26.25661 | 21.47339 | 48.02088 | 14.2832 | 24.3668 | 49.77118 | 16.0335 | 23.3165 | 41.03735 | 7.29967 | 22.51033 | 43.86606 | 10.12838 | 56.08162 |
| 2/24/2025 | 12:00:00 AM | 33.71427 | 60.01214 | 26.29787 | 21.43213 | 48.05106 | 14.33679 | 24.31321 | 49.80327 | 16.089 | 23.261 | 41.03377 | 7.3195 | 22.4905 | 43.86606 | 10.15179 | 56.05821 |
| 2/24/2025 | 1:00:00 AM | 33.73768 | 60.04428 | 26.3066 | 21.4234 | 48.07454 | 14.33686 | 24.31314 | 49.84605 | 16.10837 | 23.24163 | 41.04093 | 7.30325 | 22.50675 | 43.88393 | 10.14625 | 56.06375 |
| 2/24/2025 | 2:00:00 AM | 33.73099 | 60.04428 | 26.31329 | 21.41671 | 48.09131 | 14.36032 | 24.28968 | 49.86031 | 16.12932 | 23.22068 | 41.03377 | 7.30278 | 22.50722 | 43.85892 | 10.12793 | 56.08207 |
| 2/24/2025 | 3:00:00 AM | 33.73433 | 60.03714 | 26.30281 | 21.42719 | 48.10137 | 14.36704 | 24.28296 | 49.87814 | 16.14381 | 23.20619 | 41.03735 | 7.30302 | 22.50698 | 43.84462 | 10.11029 | 56.09971 |
| 2/24/2025 | 4:00:00 AM | 33.72096 | 60.01571 | 26.29475 | 21.43525 | 48.06783 | 14.34687 | 24.30313 | 49.84605 | 16.12509 | 23.22491 | 41.00873 | 7.28777 | 22.52223 | 43.79816 | 10.0772 | 56.1328 |
| 2/24/2025 | 5:00:00 AM | 33.7243 | 60.01214 | 26.28784 | 21.44216 | 48.06112 | 14.33682 | 24.31318 | 49.84605 | 16.12175 | 23.22825 | 41.01231 | 7.28801 | 22.52199 | 43.79101 | 10.06671 | 56.14329 |
| 2/24/2025 | 6:00:00 AM | 33.68417 | 59.95501 | 26.27084 | 21.45916 | 48.00746 | 14.32329 | 24.32671 | 49.79257 | 16.1084 | 23.2416 | 40.98011 | 7.29594 | 22.51406 | 43.72668 | 10.04251 | 56.16749 |
| 2/24/2025 | 7:00:00 AM | 33.65742 | 59.91573 | 26.25831 | 21.47169 | 47.94709 | 14.28967 | 24.36033 | 49.74979 | 16.09237 | 23.25763 | 40.96222 | 7.3048 | 22.5052 | 43.68737 | 10.02995 | 56.18005 |
| 2/24/2025 | 8:00:00 AM | 33.64739 | 59.87288 | 26.22549 | 21.50451 | 47.88672 | 14.23933 | 24.41067 | 49.68205 | 16.03466 | 23.31534 | 40.93717 | 7.28978 | 22.52022 | 43.64806 | 10.00067 | 56.20933 |
| 2/24/2025 | 9:00:00 AM | 33.63067 | 59.8693 | 26.23863 | 21.49137 | 47.85653 | 14.22586 | 24.42414 | 49.66422 | 16.03355 | 23.31645 | 40.95148 | 7.32081 | 22.48919 | 43.64806 | 10.01739 | 56.19261 |
| 2/24/2025 | 10:00:00 AM | 33.6106 | 59.83717 | 26.22657 | 21.50343 | 47.80623 | 14.19563 | 24.45437 | 49.62144 | 16.01084 | 23.33916 | 40.94075 | 7.33015 | 22.47985 | 43.63019 | 10.01959 | 56.19041 |
| 2/24/2025 | 11:00:00 AM | 33.60392 | 59.8086 | 26.20468 | 21.52532 | 47.77269 | 14.16877 | 24.48123 | 49.58935 | 15.98543 | 23.36457 | 40.92644 | 7.32252 | 22.48748 | 43.61589 | 10.01197 | 56.19803 |
| 2/24/2025 | 12:00:00 PM | 33.59388 | 59.79075 | 26.19687 | 21.53313 | 47.73244 | 14.13856 | 24.51144 | 49.56083 | 15.96695 | 23.38305 | 40.92286 | 7.32898 | 22.48102 | 43.59802 | 10.00414 | 56.20586 |
| 2/24/2025 | 1:00:00 PM | 33.56044 | 59.70862 | 26.14818 | 21.58182 | 47.63182 | 14.07138 | 24.57862 | 49.45744 | 15.897 | 23.453 | 40.86204 | 7.3016 | 22.5084 | 43.53727 | 9.97683 | 56.23317 |
| 2/24/2025 | 2:00:00 PM | 33.5872 | 59.78003 | 26.19283 | 21.53717 | 47.68884 | 14.10164 | 24.54836 | 49.52874 | 15.94154 | 23.40846 | 40.94791 | 7.36071 | 22.44929 | 43.62304 | 10.03584 | 56.17416 |
| 2/24/2025 | 3:00:00 PM | 33.57048 | 59.75504 | 26.18456 | 21.54544 | 47.6553 | 14.08482 | 24.56518 | 49.49309 | 15.92261 | 23.42739 | 40.91928 | 7.3488 | 22.4612 | 43.60874 | 10.03826 | 56.17174 |
| 2/24/2025 | 4:00:00 PM | 33.56713 | 59.73004 | 26.16291 | 21.56709 | 47.62176 | 14.05463 | 24.59537 | 49.46457 | 15.89744 | 23.45256 | 40.90139 | 7.33426 | 22.47574 | 43.60874 | 10.04161 | 56.16839 |
| 2/24/2025 | 5:00:00 PM | 33.56044 | 59.71933 | 26.15889 | 21.57111 | 47.6117 | 14.05126 | 24.59874 | 49.45387 | 15.89343 | 23.45657 | 40.90497 | 7.34453 | 22.46547 | 43.59445 | 10.03401 | 56.17599 |
| 2/24/2025 | 6:00:00 PM | 33.53035 | 59.70147 | 26.17112 | 21.55888 | 47.58487 | 14.05452 | 24.59548 | 49.42535 | 15.895 | 23.455 | 40.89066 | 7.36031 | 22.44969 | 43.59087 | 10.06052 | 56.14948 |
| 2/24/2025 | 7:00:00 PM | 33.55376 | 59.76575 | 26.21199 | 21.51801 | 47.63518 | 14.08142 | 24.56858 | 49.48952 | 15.93576 | 23.41424 | 40.94791 | 7.39415 | 22.41585 | 43.66593 | 10.11217 | 56.09783 |
| 2/24/2025 | 8:00:00 PM | 33.54372 | 59.7229 | 26.17918 | 21.55082 | 47.60499 | 14.06127 | 24.58873 | 49.45031 | 15.90659 | 23.44341 | 40.90139 | 7.35767 | 22.45233 | 43.64091 | 10.09719 | 56.11281 |
| 2/24/2025 | 9:00:00 PM | 33.53035 | 59.70504 | 26.17469 | 21.55531 | 47.57816 | 14.04781 | 24.60219 | 49.42891 | 15.89856 | 23.45144 | 40.87635 | 7.346 | 22.464 | 43.62661 | 10.09626 | 56.11374 |
| 2/24/2025 | 10:00:00 PM | 33.52032 | 59.69076 | 26.17044 | 21.55956 | 47.56139 | 14.04107 | 24.60893 | 49.41109 | 15.89077 | 23.45923 | 40.86562 | 7.3453 | 22.4647 | 43.61232 | 10.092 | 56.118 |
| 2/24/2025 | 11:00:00 PM | 33.527 | 59.69076 | 26.16376 | 21.56624 | 47.57145 | 14.04445 | 24.60555 | 49.42891 | 15.90191 | 23.44809 | 40.87277 | 7.34577 | 22.46423 | 43.63019 | 10.10319 | 56.10681 |
| 2/25/2025 | 12:00:00 AM | 33.51697 | 59.67648 | 26.15951 | 21.57049 | 47.55133 | 14.03436 | 24.61564 | 49.40752 | 15.89055 | 23.45945 | 40.86562 | 7.34865 | 22.46135 | 43.61589 | 10.09892 | 56.11108 |
| 2/25/2025 | 1:00:00 AM | 33.527 | 59.69433 | 26.16733 | 21.56267 | 47.57145 | 14.04445 | 24.60555 | 49.43248 | 15.90548 | 23.44452 | 40.87635 | 7.34935 | 22.46065 | 43.65163 | 10.12463 | 56.08537 |
| 2/25/2025 | 2:00:00 AM | 33.54038 | 59.71576 | 26.17538 | 21.55462 | 47.60499 | 14.06461 | 24.58539 | 49.45744 | 15.91706 | 23.43294 | 40.87993 | 7.33955 | 22.47045 | 43.66593 | 10.12555 | 56.08445 |
| 2/25/2025 | 3:00:00 AM | 33.54707 | 59.73361 | 26.18654 | 21.54346 | 47.62176 | 14.07469 | 24.57531 | 49.48596 | 15.93889 | 23.41111 | 40.88708 | 7.34001 | 22.46999 | 43.68022 | 10.13315 | 56.07685 |
| 2/25/2025 | 4:00:00 AM | 33.55041 | 59.73718 | 26.18677 | 21.54323 | 47.63182 | 14.08141 | 24.56859 | 49.49665 | 15.94624 | 23.40376 | 40.88351 | 7.3331 | 22.4769 | 43.70167 | 10.15126 | 56.05874 |
| 2/25/2025 | 5:00:00 AM | 33.56044 | 59.76218 | 26.20174 | 21.52826 | 47.64859 | 14.08815 | 24.56185 | 49.52161 | 15.96117 | 23.38883 | 40.88351 | 7.32307 | 22.48693 | 43.70881 | 10.14837 | 56.06163 |
| 2/25/2025 | 6:00:00 AM | 33.57382 | 59.76932 | 26.1955 | 21.5345 | 47.68213 | 14.10831 | 24.54169 | 49.54657 | 15.97275 | 23.37725 | 40.89424 | 7.32042 | 22.48958 | 43.72311 | 10.14929 | 56.06071 |
| 2/25/2025 | 7:00:00 AM | 33.57716 | 59.77289 | 26.19573 | 21.53427 | 47.6989 | 14.12174 | 24.52826 | 49.56083 | 15.98367 | 23.36633 | 40.88708 | 7.30992 | 22.50008 | 43.72311 | 10.14595 | 56.06405 |
| 2/25/2025 | 8:00:00 AM | 33.59723 | 59.81217 | 26.21494 | 21.51506 | 47.7358 | 14.13857 | 24.51143 | 49.61787 | 16.02064 | 23.32936 | 40.91571 | 7.31848 | 22.49152 | 43.7517 | 10.15447 | 56.05553 |
| 2/25/2025 | 9:00:00 AM | 33.65073 | 59.90501 | 26.25428 | 21.47572 | 47.84312 | 14.19239 | 24.45761 | 49.71414 | 16.06341 | 23.28659 | 40.98011 | 7.32938 | 22.48062 | 43.8339 | 10.18317 | 56.02683 |
| 2/25/2025 | 10:00:00 AM | 33.68752 | 59.96929 | 26.28177 | 21.44823 | 47.93032 | 14.2428 | 24.4072 | 49.80683 | 16.11931 | 23.23069 | 41.00873 | 7.32121 | 22.48879 | 43.89823 | 10.21071 | 55.99929 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2/25/2025 | 11:00:00 AM | 33.72764 | 60.01928 | 26.29164 | 21.43836 | 48.00411 | 14.27647 | 24.37353 | 49.87814 | 16.1505 | 23.1995 | 41.02304 | 7.2954 | 22.5146 | 43.91967 | 10.19203 | 56.01797 |
| 2/25/2025 | 12:00:00 PM | 33.76777 | 60.0657 | 26.29793 | 21.43207 | 48.0846 | 14.31683 | 24.33317 | 49.94944 | 16.18167 | 23.16833 | 41.02304 | 7.25527 | 22.55473 | 43.94826 | 10.18049 | 56.02951 |
| 2/25/2025 | 1:00:00 PM | 33.76777 | 60.07999 | 26.31222 | 21.41778 | 48.13155 | 14.36378 | 24.28622 | 49.98866 | 16.22089 | 23.12911 | 41.02304 | 7.25527 | 22.55473 | 43.93039 | 10.16262 | 56.04738 |
| 2/25/2025 | 2:00:00 PM | 33.80456 | 60.10855 | 26.30399 | 21.42601 | 48.19192 | 14.38736 | 24.26264 | 50.03858 | 16.23402 | 23.11598 | 41.02662 | 7.22206 | 22.58794 | 43.92682 | 10.12226 | 56.08774 |
| 2/25/2025 | 3:00:00 PM | 33.82128 | 60.14783 | 26.32655 | 21.40345 | 48.24559 | 14.42431 | 24.22569 | 50.09205 | 16.27077 | 23.07923 | 41.03377 | 7.21249 | 22.59751 | 43.93039 | 10.10911 | 56.10089 |
| 2/25/2025 | 4:00:00 PM | 33.838 | 60.16569 | 26.32769 | 21.40231 | 48.29254 | 14.45454 | 24.19546 | 50.13484 | 16.29684 | 23.05316 | 41.04093 | 7.20293 | 22.60707 | 43.92325 | 10.08525 | 56.12475 |
| 2/25/2025 | 5:00:00 PM | 33.84803 | 60.18711 | 26.33908 | 21.39092 | 48.33614 | 14.48811 | 24.16189 | 50.17762 | 16.32959 | 23.02041 | 41.05166 | 7.20363 | 22.60637 | 43.92325 | 10.07522 | 56.13478 |
| 2/25/2025 | 6:00:00 PM | 33.85806 | 60.20854 | 26.35048 | 21.37952 | 48.3898 | 14.53174 | 24.11826 | 50.2204 | 16.36234 | 22.98766 | 41.0624 | 7.20434 | 22.60566 | 43.92325 | 10.06519 | 56.14481 |
| 2/25/2025 | 7:00:00 PM | 33.86475 | 60.23711 | 26.37236 | 21.35764 | 48.42334 | 14.55859 | 24.09141 | 50.25962 | 16.39487 | 22.95513 | 41.08386 | 7.21911 | 22.59089 | 43.91967 | 10.05492 | 56.15508 |
| 2/25/2025 | 8:00:00 PM | 33.86809 | 60.23711 | 26.36902 | 21.36098 | 48.42669 | 14.5586 | 24.0914 | 50.27032 | 16.40223 | 22.94777 | 41.0624 | 7.19431 | 22.61569 | 43.88393 | 10.01584 | 56.19416 |
| 2/25/2025 | 9:00:00 PM | 33.87812 | 60.24782 | 26.3697 | 21.3603 | 48.45017 | 14.57205 | 24.07795 | 50.30597 | 16.42785 | 22.92215 | 41.08386 | 7.20574 | 22.60426 | 43.88393 | 10.00581 | 56.20419 |
| 2/25/2025 | 10:00:00 PM | 33.88816 | 60.26567 | 26.37751 | 21.35249 | 48.46359 | 14.57543 | 24.07457 | 50.33093 | 16.44277 | 22.90723 | 41.10891 | 7.22075 | 22.58925 | 43.88393 | 9.99577 | 56.21423 |
| 2/25/2025 | 11:00:00 PM | 33.89819 | 60.29067 | 26.39248 | 21.33752 | 48.48706 | 14.58887 | 24.06113 | 50.37015 | 16.47196 | 22.87804 | 41.12322 | 7.22503 | 22.58497 | 43.89466 | 9.99647 | 56.21353 |
| 2/26/2025 | 12:00:00 AM | 33.8915 | 60.27638 | 26.38488 | 21.34512 | 48.48036 | 14.58886 | 24.06114 | 50.36301 | 16.47151 | 22.87849 | 41.11606 | 7.22456 | 22.58544 | 43.86249 | 9.97099 | 56.23901 |
| 2/26/2025 | 1:00:00 AM | 33.88147 | 60.28353 | 26.40206 | 21.32794 | 48.46359 | 14.58212 | 24.06788 | 50.37015 | 16.48868 | 22.86132 | 41.11964 | 7.23817 | 22.57183 | 43.83747 | 9.956 | 56.254 |
| 2/26/2025 | 2:00:00 AM | 33.87144 | 60.28353 | 26.41209 | 21.31791 | 48.46359 | 14.59215 | 24.05785 | 50.37015 | 16.49871 | 22.85129 | 41.1268 | 7.25536 | 22.55464 | 43.83033 | 9.95889 | 56.25111 |
| 2/26/2025 | 3:00:00 AM | 33.85472 | 60.25853 | 26.40381 | 21.32619 | 48.4334 | 14.57868 | 24.07132 | 50.36301 | 16.50829 | 22.84171 | 41.11964 | 7.26492 | 22.54508 | 43.80173 | 9.94701 | 56.26299 |
| 2/26/2025 | 4:00:00 AM | 33.84803 | 60.2621 | 26.41407 | 21.31593 | 48.41663 | 14.5686 | 24.0814 | 50.35945 | 16.51142 | 22.83858 | 41.13395 | 7.28592 | 22.52408 | 43.79459 | 9.94656 | 56.26344 |
| 2/26/2025 | 5:00:00 AM | 33.83131 | 60.25853 | 26.42722 | 21.30278 | 48.3898 | 14.55849 | 24.09151 | 50.34875 | 16.51744 | 22.83256 | 41.13395 | 7.30264 | 22.50736 | 43.78029 | 9.94898 | 56.26102 |
| 2/26/2025 | 6:00:00 AM | 33.82462 | 60.24425 | 26.41963 | 21.31037 | 48.36297 | 14.53835 | 24.11165 | 50.32736 | 16.50274 | 22.84726 | 41.1268 | 7.30218 | 22.50782 | 43.766 | 9.94138 | 56.26862 |
| 2/26/2025 | 7:00:00 AM | 33.79787 | 60.24782 | 26.44995 | 21.28005 | 48.34956 | 14.55169 | 24.09831 | 50.33093 | 16.53306 | 22.81694 | 41.14468 | 7.34681 | 22.46319 | 43.76957 | 9.9717 | 56.2383 |
| 2/26/2025 | 8:00:00 AM | 33.80121 | 60.26924 | 26.46803 | 21.26197 | 48.36632 | 14.56511 | 24.08489 | 50.34875 | 16.54754 | 22.80246 | 41.17689 | 7.37568 | 22.43432 | 43.79816 | 9.99695 | 56.21305 |
| 2/26/2025 | 9:00:00 AM | 33.80456 | 60.2621 | 26.45754 | 21.27246 | 48.35291 | 14.54835 | 24.10165 | 50.33806 | 16.5335 | 22.8165 | 41.17331 | 7.36875 | 22.44125 | 43.78744 | 9.98288 | 56.22712 |
| 2/26/2025 | 10:00:00 AM | 33.8079 | 60.23353 | 26.42563 | 21.30437 | 48.31266 | 14.50476 | 24.14524 | 50.30954 | 16.50164 | 22.84836 | 41.15542 | 7.34752 | 22.46248 | 43.75885 | 9.95095 | 56.25905 |
| 2/26/2025 | 11:00:00 AM | 33.81124 | 60.21211 | 26.40087 | 21.32913 | 48.27577 | 14.46453 | 24.18547 | 50.28101 | 16.46977 | 22.88023 | 41.13753 | 7.32629 | 22.48371 | 43.73383 | 9.92259 | 56.28741 |
| 2/26/2025 | 12:00:00 PM | 33.81459 | 60.19783 | 26.38324 | 21.34676 | 48.25229 | 14.4377 | 24.2123 | 50.25249 | 16.4379 | 22.9121 | 41.14468 | 7.33009 | 22.47991 | 43.72311 | 9.90852 | 56.30148 |
| 2/26/2025 | 1:00:00 PM | 33.84134 | 60.17997 | 26.33863 | 21.39137 | 48.21205 | 14.37071 | 24.27929 | 50.2311 | 16.38976 | 22.96024 | 41.13753 | 7.29619 | 22.51381 | 43.71596 | 9.87462 | 56.33538 |
| 2/26/2025 | 2:00:00 PM | 33.81459 | 60.15497 | 26.34038 | 21.38962 | 48.18186 | 14.36727 | 24.28273 | 50.20258 | 16.38799 | 22.96201 | 41.14111 | 7.32652 | 22.48348 | 43.70524 | 9.89065 | 56.31935 |
| 2/26/2025 | 3:00:00 PM | 33.81793 | 60.15855 | 26.34062 | 21.38938 | 48.16845 | 14.35052 | 24.29948 | 50.20258 | 16.38465 | 22.96535 | 41.15184 | 7.33391 | 22.47609 | 43.70881 | 9.89088 | 56.31912 |
| 2/26/2025 | 4:00:00 PM | 33.81459 | 60.15497 | 26.34038 | 21.38962 | 48.15168 | 14.33709 | 24.31291 | 50.18475 | 16.37016 | 22.97984 | 41.159 | 7.34441 | 22.46559 | 43.70881 | 9.89422 | 56.31578 |
| 2/26/2025 | 5:00:00 PM | 33.81459 | 60.1514 | 26.33681 | 21.39319 | 48.14161 | 14.32702 | 24.32298 | 50.18119 | 16.3666 | 22.9834 | 41.16257 | 7.34798 | 22.46202 | 43.71953 | 9.90494 | 56.30506 |
| 2/26/2025 | 6:00:00 PM | 33.80456 | 60.16212 | 26.35756 | 21.37244 | 48.13491 | 14.33035 | 24.31965 | 50.17406 | 16.3695 | 22.9805 | 41.17331 | 7.36875 | 22.44125 | 43.73383 | 9.92927 | 56.28073 |
| 2/26/2025 | 7:00:00 PM | 33.81124 | 60.19068 | 26.37944 | 21.35056 | 48.15503 | 14.34379 | 24.30621 | 50.20258 | 16.39134 | 22.95866 | 41.19477 | 7.38353 | 22.42647 | 43.77314 | 9.9619 | 56.2481 |
| 2/26/2025 | 8:00:00 PM | 33.81459 | 60.20497 | 26.39038 | 21.33962 | 48.16845 | 14.35386 | 24.29614 | 50.21327 | 16.39868 | 22.95132 | 41.20909 | 7.3945 | 22.4155 | 43.78386 | 9.96927 | 56.24073 |
| 2/26/2025 | 9:00:00 PM | 33.81459 | 60.22282 | 26.40823 | 21.32177 | 48.18522 | 14.37063 | 24.27937 | 50.2311 | 16.41651 | 22.93349 | 41.21624 | 7.40165 | 22.40835 | 43.80173 | 9.98714 | 56.22286 |
| 2/26/2025 | 10:00:00 PM | 33.8079 | 60.22996 | 26.42206 | 21.30794 | 48.19528 | 14.38738 | 24.26262 | 50.24536 | 16.43746 | 22.91254 | 41.21982 | 7.41192 | 22.39808 | 43.81246 | 10.00456 | 56.20544 |
| 2/26/2025 | 11:00:00 PM | 33.79787 | 60.21568 | 26.41781 | 21.31219 | 48.18186 | 14.38399 | 24.26601 | 50.22753 | 16.42966 | 22.92034 | 41.19477 | 7.3969 | 22.4131 | 43.79816 | 10.00029 | 56.20971 |
| 2/27/2025 | 12:00:00 AM | 33.79452 | 60.21568 | 26.42116 | 21.30884 | 48.17851 | 14.38399 | 24.26601 | 50.22753 | 16.43301 | 22.91699 | 41.20551 | 7.41099 | 22.39901 | 43.79459 | 10.00007 | 56.20993 |
| 2/27/2025 | 1:00:00 AM | 33.78784 | 60.21568 | 26.42784 | 21.30216 | 48.18522 | 14.39738 | 24.25262 | 50.2204 | 16.43256 | 22.91744 | 41.19835 | 7.41051 | 22.39949 | 43.79459 | 10.00675 | 56.20325 |
| 2/27/2025 | 2:00:00 AM | 33.76443 | 60.20854 | 26.44411 | 21.28589 | 48.16845 | 14.40402 | 24.24598 | 50.20258 | 16.43815 | 22.91185 | 41.19477 | 7.43034 | 22.37966 | 43.78386 | 10.01943 | 56.19057 |
| 2/27/2025 | 3:00:00 AM | 33.76777 | 60.21568 | 26.44791 | 21.28209 | 48.18186 | 14.41409 | 24.23591 | 50.21684 | 16.44907 | 22.90093 | 41.2234 | 7.45563 | 22.35437 | 43.80888 | 10.04111 | 56.16889 |
| 2/27/2025 | 4:00:00 AM | 33.7544 | 60.22996 | 26.47556 | 21.25444 | 48.18186 | 14.42746 | 24.22254 | 50.21684 | 16.46244 | 22.88756 | 41.21982 | 7.46542 | 22.34458 | 43.8196 | 10.0652 | 56.1448 |
| 2/27/2025 | 5:00:00 AM | 33.76777 | 60.24425 | 26.47648 | 21.25352 | 48.20534 | 14.43757 | 24.21243 | 50.2311 | 16.46333 | 22.88667 | 41.23771 | 7.46994 | 22.34006 | 43.84105 | 10.07328 | 56.13672 |
| 2/27/2025 | 6:00:00 AM | 33.76777 | 60.24425 | 26.47648 | 21.25352 | 48.19863 | 14.43086 | 24.21914 | 50.2204 | 16.45263 | 22.89737 | 41.23055 | 7.46278 | 22.34722 | 43.83033 | 10.06256 | 56.14744 |
| 2/27/2025 | 7:00:00 AM | 33.77112 | 60.25853 | 26.48741 | 21.24259 | 48.21875 | 14.44763 | 24.20237 | 50.22397 | 16.45285 | 22.89715 | 41.24129 | 7.47017 | 22.33983 | 43.84462 | 10.0735 | 56.1365 |
| 2/27/2025 | 8:00:00 AM | 33.77446 | 60.24425 | 26.46979 | 21.26021 | 48.20198 | 14.42752 | 24.22248 | 50.2204 | 16.44594 | 22.90406 | 41.2234 | 7.44894 | 22.36106 | 43.83033 | 10.05587 | 56.15413 |
| 2/27/2025 | 9:00:00 AM | 33.79118 | 60.26567 | 26.47449 | 21.25551 | 48.22211 | 14.43093 | 24.21907 | 50.22753 | 16.43635 | 22.91365 | 41.24486 | 7.45368 | 22.35632 | 43.84462 | 10.05344 | 56.15656 |
| 2/27/2025 | 10:00:00 AM | 33.79118 | 60.21925 | 26.42807 | 21.30193 | 48.18522 | 14.39404 | 24.25596 | 50.18475 | 16.39357 | 22.95643 | 41.21266 | 7.42148 | 22.38852 | 43.81246 | 10.02128 | 56.18872 |
| 2/27/2025 | 11:00:00 AM | 33.8079 | 60.23353 | 26.42563 | 21.30437 | 48.1718 | 14.3639 | 24.2861 | 50.17406 | 16.36616 | 22.98384 | 41.22697 | 7.41907 | 22.39093 | 43.80531 | 9.99741 | 56.21259 |
| 2/27/2025 | 12:00:00 PM | 33.82796 | 60.24068 | 26.41272 | 21.31728 | 48.18186 | 14.3539 | 24.2961 | 50.17406 | 16.3461 | 23.0039 | 41.23413 | 7.40617 | 22.40383 | 43.8196 | 9.99164 | 56.21836 |
| 2/27/2025 | 1:00:00 PM | 33.86809 | 60.21925 | 26.35116 | 21.37884 | 48.15168 | 14.28359 | 24.36641 | 50.1384 | 16.27031 | 23.07969 | 41.2234 | 7.35531 | 22.45469 | 43.80173 | 9.93364 | 56.27636 |
| 2/27/2025 | 2:00:00 PM | 33.87144 | 60.21925 | 26.34781 | 21.38219 | 48.15168 | 14.28024 | 24.36976 | 50.13127 | 16.25983 | 23.09017 | 41.23771 | 7.36627 | 22.44373 | 43.80531 | 9.93387 | 56.27613 |
| 2/27/2025 | 3:00:00 PM | 33.87144 | 60.23711 | 26.36567 | 21.36433 | 48.16174 | 14.2903 | 24.3597 | 50.12414 | 16.2527 | 23.0973 | 41.25202 | 7.38058 | 22.42942 | 43.8196 | 9.94816 | 56.26184 |
| 2/27/2025 | 4:00:00 PM | 33.86475 | 60.22282 | 26.35807 | 21.37193 | 48.14161 | 14.27686 | 24.37314 | 50.10988 | 16.24513 | 23.10487 | 41.24129 | 7.37654 | 22.43346 | 43.81603 | 9.95128 | 56.25872 |
| 2/27/2025 | 5:00:00 PM | 33.85472 | 60.21925 | 26.36453 | 21.36547 | 48.1282 | 14.27348 | 24.37652 | 50.08136 | 16.22664 | 23.12336 | 41.23771 | 7.38299 | 22.42701 | 43.79816 | 9.94344 | 56.26656 |
| 2/27/2025 | 6:00:00 PM | 33.84468 | 60.22282 | 26.37814 | 21.35186 | 48.14161 | 14.29693 | 24.35307 | 50.08849 | 16.24381 | 23.10619 | 41.2556 | 7.41092 | 22.39908 | 43.81246 | 9.96778 | 56.24222 |
| 2/27/2025 | 7:00:00 PM | 33.84468 | 60.24068 | 26.396 | 21.334 | 48.14832 | 14.30364 | 24.34636 | 50.08492 | 16.24024 | 23.10976 | 41.26275 | 7.41807 | 22.39193 | 43.82675 | 9.98207 | 56.22793 |
| 2/27/2025 | 8:00:00 PM | 33.84134 | 60.22996 | 26.38862 | 21.34138 | 48.13826 | 14.29692 | 24.35308 | 50.07066 | 16.22932 | 23.12068 | 41.25917 | 7.41783 | 22.39217 | 43.8196 | 9.97826 | 56.23174 |
| 2/27/2025 | 9:00:00 PM | 33.83465 | 60.25139 | 26.41674 | 21.31326 | 48.15838 | 14.32373 | 24.32627 | 50.0671 | 16.23245 | 23.11755 | 41.26991 | 7.43526 | 22.37474 | 43.8482 | 10.01355 | 56.19645 |
| 2/27/2025 | 10:00:00 PM | 33.7778 | 60.23711 | 26.45931 | 21.27069 | 48.14832 | 14.37052 | 24.27948 | 50.05284 | 16.27504 | 23.07496 | 41.25917 | 7.48137 | 22.32863 | 43.83033 | 10.05253 | 56.15747 |
| 2/27/2025 | 11:00:00 PM | 33.76777 | 60.25853 | 26.49076 | 21.23924 | 48.15838 | 14.39061 | 24.25939 | 50.05997 | 16.2922 | 23.0578 | 41.26991 | 7.50214 | 22.30786 | 43.8482 | 10.08043 | 56.12957 |
| 2/28/2025 | 12:00:00 AM | 33.76108 | 60.24068 | 26.4796 | 21.2504 | 48.13826 | 14.37718 | 24.27282 | 50.03144 | 16.27036 | 23.07964 | 41.2556 | 7.49452 | 22.31548 | 43.82675 | 10.06567 | 56.14433 |
| 2/28/2025 | 1:00:00 AM | 33.75105 | 60.24782 | 26.49677 | 21.23323 | 48.14497 | 14.39392 | 24.25608 | 50.02788 | 16.27683 | 23.07317 | 41.27349 | 7.52244 | 22.28756 | 43.84462 | 10.09357 | 56.11643 |
| 2/28/2025 | 2:00:00 AM | 33.74771 | 60.24425 | 26.49654 | 21.23346 | 48.13491 | 14.3872 | 24.2628 | 50.02431 | 16.2766 | 23.0734 | 41.26991 | 7.5222 | 22.2878 | 43.83033 | 10.08262 | 56.12738 |
| 2/28/2025 | 3:00:00 AM | 33.74102 | 60.24068 | 26.49966 | 21.23034 | 48.13826 | 14.39724 | 24.25276 | 50.00292 | 16.2619 | 23.0881 | 41.26633 | 7.52531 | 22.28469 | 43.83033 | 10.08931 | 56.12069 |
| 2/28/2025 | 4:00:00 AM | 33.73433 | 60.24425 | 26.50992 | 21.22008 | 48.12485 | 14.39052 | 24.25948 | 49.98866 | 16.25433 | 23.09567 | 41.26633 | 7.532 | 22.278 | 43.82675 | 10.09242 | 56.11758 |
| 2/28/2025 | 5:00:00 AM | 33.73099 | 60.24425 | 26.51326 | 21.21674 | 48.13826 | 14.40727 | 24.24273 | 49.9851 | 16.25411 | 23.09589 | 41.27349 | 7.5425 | 22.2675 | 43.8339 | 10.10291 | 56.10709 |
| 2/28/2025 | 6:00:00 AM | 33.72096 | 60.23353 | 26.51257 | 21.21743 | 48.10808 | 14.38712 | 24.26288 | 49.9637 | 16.24274 | 23.10726 | 41.26275 | 7.54179 | 22.26821 | 43.81603 | 10.09507 | 56.11493 |
| 2/28/2025 | 7:00:00 AM | 33.71092 | 60.21568 | 26.50476 | 21.22524 | 48.09801 | 14.38709 | 24.26291 | 49.93875 | 16.22783 | 23.12217 | 41.26275 | 7.55183 | 22.25817 | 43.81603 | 10.10511 | 56.10489 |
| 2/28/2025 | 8:00:00 AM | 33.72096 | 60.24425 | 26.52329 | 21.20671 | 48.12149 | 14.40053 | 24.24947 | 49.95301 | 16.23205 | 23.11795 | 41.29137 | 7.57041 | 22.23959 | 43.85177 | 10.13081 | 56.07919 |
| 2/28/2025 | 9:00:00 AM | 33.73433 | 60.24782 | 26.51349 | 21.21651 | 48.11814 | 14.38381 | 24.26619 | 49.95301 | 16.21868 | 23.13132 | 41.2878 | 7.55347 | 22.25653 | 43.85177 | 10.11744 | 56.09256 |
| 2/28/2025 | 10:00:00 AM | 33.73099 | 60.22282 | 26.49183 | 21.23817 | 48.09131 | 14.36032 | 24.28968 | 49.91736 | 16.18637 | 23.16363 | 41.26991 | 7.53892 | 22.27108 | 43.82675 | 10.09576 | 56.11424 |
| 2/28/2025 | 11:00:00 AM | 33.75105 | 60.20854 | 26.45749 | 21.27251 | 48.0846 | 14.33355 | 24.31645 | 49.89596 | 16.14491 | 23.20509 | 41.26991 | 7.51886 | 22.29114 | 43.8196 | 10.06855 | 56.14145 |
| 2/28/2025 | 12:00:00 PM | 33.76108 | 60.2014 | 26.44032 | 21.28968 | 48.05106 | 14.28998 | 24.36002 | 49.87101 | 16.10993 | 23.24007 | 41.2556 | 7.49452 | 22.31548 | 43.80173 | 10.04065 | 56.16935 |
| 2/28/2025 | 1:00:00 PM | 33.78784 | 60.17283 | 26.38499 | 21.34501 | 48.02423 | 14.23639 | 24.41361 | 49.83535 | 16.04751 | 23.30249 | 41.24486 | 7.45702 | 22.35298 | 43.78029 | 9.99245 | 56.21755 |
| 2/28/2025 | 2:00:00 PM | 33.79118 | 60.12998 | 26.3388 | 21.3912 | 47.97392 | 14.18274 | 24.46726 | 49.78544 | 15.99426 | 23.35574 | 41.21266 | 7.42148 | 22.38852 | 43.74813 | 9.95695 | 56.25305 |
| 2/28/2025 | 3:00:00 PM | 33.7778 | 60.13355 | 26.35575 | 21.37425 | 47.95715 | 14.17935 | 24.47065 | 49.77118 | 15.99338 | 23.35662 | 41.23413 | 7.45633 | 22.35367 | 43.75885 | 9.98105 | 56.22895 |
| 2/28/2025 | 4:00:00 PM | 33.76777 | 60.14783 | 26.38006 | 21.34994 | 47.97057 | 14.2028 | 24.4472 | 49.77831 | 16.01054 | 23.33946 | 41.24844 | 7.48067 | 22.32933 | 43.78744 | 10.01967 | 56.19033 |
| 2/28/2025 | 5:00:00 PM | 33.75105 | 60.11927 | 26.36822 | 21.36178 | 47.93032 | 14.17927 | 24.47073 | 49.73909 | 15.98804 | 23.36196 | 41.22697 | 7.47592 | 22.33408 | 43.766 | 10.01495 | 56.19505 |
| 2/28/2025 | 6:00:00 PM | 33.74102 | 60.1157 | 26.37468 | 21.35532 | 47.92026 | 14.17924 | 24.47076 | 49.71414 | 15.97312 | 23.37688 | 41.22697 | 7.48595 | 22.32405 | 43.766 | 10.02498 | 56.18502 |
| 2/28/2025 | 7:00:00 PM | 33.72096 | 60.09784 | 26.37688 | 21.35312 | 47.90349 | 14.18253 | 24.46747 | 49.68918 | 15.96822 | 23.38178 | 41.22697 | 7.50601 | 22.30399 | 43.75885 | 10.03789 | 56.17211 |
| 2/28/2025 | 8:00:00 PM | 33.70758 | 60.11212 | 26.40454 | 21.32546 | 47.90014 | 14.19256 | 24.45744 | 49.69274 | 15.98516 | 23.36484 | 41.23771 | 7.53013 | 22.27987 | 43.78029 | 10.07271 | 56.13729 |
| 2/28/2025 | 9:00:00 PM | 33.70089 | 60.10498 | 26.40409 | 21.32591 | 47.89678 | 14.19589 | 24.45411 | 49.67848 | 15.97759 | 23.37241 | 41.23771 | 7.53682 | 22.27318 | 43.78744 | 10.08655 | 56.12345 |
| 2/28/2025 | 10:00:00 PM | 33.69086 | 60.0907 | 26.39984 | 21.33016 | 47.89007 | 14.19921 | 24.45079 | 49.67492 | 15.98406 | 23.36594 | 41.23413 | 7.54327 | 22.26673 | 43.79459 | 10.10373 | 56.10627 |
| 2/28/2025 | 11:00:00 PM | 33.66745 | 60.05499 | 26.38754 | 21.34246 | 47.83977 | 14.17232 | 24.47768 | 49.61787 | 15.95042 | 23.39958 | 41.20193 | 7.53448 | 22.27552 | 43.74455 | 10.0771 | 56.1329 |
| 3/1/2025 | 12:00:00 AM | 33.66745 | 60.0657 | 26.39825 | 21.33175 | 47.83306 | 14.16561 | 24.48439 | 49.61431 | 15.94686 | 23.40314 | 41.21266 | 7.54521 | 22.26479 | 43.75885 | 10.0914 | 56.1186 |
| 3/1/2025 | 1:00:00 AM | 33.67748 | 60.07999 | 26.40251 | 21.32749 | 47.85318 | 14.1757 | 24.4743 | 49.63213 | 15.95465 | 23.39535 | 41.22697 | 7.54949 | 22.26051 | 43.77672 | 10.09924 | 56.11076 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/1/2025 | 2:00:00 AM | 33.65742 | 60.06213 | 26.40471 | 21.32529 | 47.83306 | 14.17564 | 24.47436 | 49.60361 | 15.94619 | 23.40381 | 41.20909 | 7.55167 | 22.25833 | 43.78029 | 10.12287 | 56.08713 |
| 3/1/2025 | 3:00:00 AM | 33.64404 | 60.04785 | 26.40381 | 21.32619 | 47.823 | 14.17896 | 24.47104 | 49.57866 | 15.93462 | 23.41538 | 41.20551 | 7.56147 | 22.24853 | 43.75885 | 10.11481 | 56.09519 |
| 3/1/2025 | 4:00:00 AM | 33.63736 | 60.04785 | 26.41049 | 21.31951 | 47.81629 | 14.17893 | 24.47107 | 49.57866 | 15.9413 | 23.4087 | 41.21266 | 7.5753 | 22.2347 | 43.78029 | 10.14293 | 56.06707 |
| 3/1/2025 | 5:00:00 AM | 33.63067 | 60.03357 | 26.4029 | 21.3271 | 47.79952 | 14.16885 | 24.48115 | 49.56439 | 15.93372 | 23.41628 | 41.1912 | 7.56053 | 22.24947 | 43.77314 | 10.14247 | 56.06753 |
| 3/1/2025 | 6:00:00 AM | 33.62398 | 60.01571 | 26.39173 | 21.33827 | 47.7794 | 14.15542 | 24.49458 | 49.53587 | 15.91189 | 23.43811 | 41.18762 | 7.56364 | 22.24636 | 43.76242 | 10.13844 | 56.07156 |
| 3/1/2025 | 7:00:00 AM | 33.60726 | 60.00857 | 26.40131 | 21.32869 | 47.77604 | 14.16878 | 24.48122 | 49.52161 | 15.91435 | 23.43565 | 41.18404 | 7.57678 | 22.23322 | 43.76242 | 10.15516 | 56.05484 |
| 3/1/2025 | 8:00:00 AM | 33.59723 | 60.02285 | 26.42562 | 21.30438 | 47.77269 | 14.17546 | 24.47454 | 49.52518 | 15.92795 | 23.42205 | 41.19477 | 7.59754 | 22.21246 | 43.78744 | 10.19021 | 56.01979 |
| 3/1/2025 | 9:00:00 AM | 33.6106 | 60.01571 | 26.40511 | 21.32489 | 47.76933 | 14.15873 | 24.49127 | 49.52518 | 15.91458 | 23.43542 | 41.18046 | 7.56986 | 22.24014 | 43.78386 | 10.17326 | 56.03674 |
| 3/1/2025 | 10:00:00 AM | 33.6106 | 60.00143 | 26.39083 | 21.33917 | 47.74586 | 14.13526 | 24.51474 | 49.50022 | 15.88962 | 23.46038 | 41.16973 | 7.55913 | 22.25087 | 43.766 | 10.1554 | 56.0546 |
| 3/1/2025 | 11:00:00 AM | 33.6407 | 59.98 | 26.3393 | 21.3907 | 47.72909 | 14.08839 | 24.56161 | 49.46813 | 15.82743 | 23.52257 | 41.159 | 7.5183 | 22.2917 | 43.7517 | 10.111 | 56.099 |
| 3/1/2025 | 12:00:00 PM | 33.65742 | 59.96572 | 26.3083 | 21.4217 | 47.70226 | 14.04484 | 24.60516 | 49.45031 | 15.79289 | 23.55711 | 41.15184 | 7.49442 | 22.31558 | 43.74455 | 10.08713 | 56.12287 |
| 3/1/2025 | 1:00:00 PM | 33.69086 | 59.94429 | 26.25343 | 21.47657 | 47.68884 | 13.99798 | 24.65202 | 49.42178 | 15.73092 | 23.61908 | 41.14111 | 7.45025 | 22.35975 | 43.73383 | 10.04297 | 56.16703 |
| 3/1/2025 | 2:00:00 PM | 33.69755 | 59.92644 | 26.22889 | 21.50111 | 47.66536 | 13.96781 | 24.68219 | 49.40396 | 15.70641 | 23.64359 | 41.13037 | 7.43282 | 22.37718 | 43.72311 | 10.02556 | 56.18444 |
| 3/1/2025 | 3:00:00 PM | 33.68417 | 59.92287 | 26.2387 | 21.4913 | 47.64859 | 13.96442 | 24.68558 | 49.38257 | 15.6984 | 23.6516 | 41.1268 | 7.44263 | 22.36737 | 43.71953 | 10.03536 | 56.17464 |
| 3/1/2025 | 4:00:00 PM | 33.67414 | 59.9193 | 26.24516 | 21.48484 | 47.64189 | 13.96775 | 24.68225 | 49.379 | 15.70486 | 23.64514 | 41.13753 | 7.46339 | 22.34661 | 43.73026 | 10.05612 | 56.15388 |
| 3/1/2025 | 5:00:00 PM | 33.66745 | 59.92644 | 26.25899 | 21.47101 | 47.64524 | 13.97779 | 24.67221 | 49.37543 | 15.70798 | 23.64202 | 41.13395 | 7.4665 | 22.3435 | 43.74813 | 10.08068 | 56.12932 |
| 3/1/2025 | 6:00:00 PM | 33.65742 | 59.93358 | 26.27616 | 21.45384 | 47.66201 | 14.00459 | 24.64541 | 49.3897 | 15.73228 | 23.61772 | 41.14111 | 7.48369 | 22.32631 | 43.766 | 10.10858 | 56.10142 |
| 3/1/2025 | 7:00:00 PM | 33.66745 | 59.95501 | 26.28756 | 21.44244 | 47.68213 | 14.01468 | 24.63532 | 49.41109 | 15.74364 | 23.60636 | 41.15184 | 7.48439 | 22.32561 | 43.79101 | 10.12356 | 56.08644 |
| 3/1/2025 | 8:00:00 PM | 33.65742 | 59.95143 | 26.29401 | 21.43599 | 47.68884 | 14.03142 | 24.61858 | 49.40396 | 15.74654 | 23.60346 | 41.14111 | 7.48369 | 22.32631 | 43.79101 | 10.13359 | 56.07641 |
| 3/1/2025 | 9:00:00 PM | 33.65742 | 59.96572 | 26.3083 | 21.4217 | 47.70561 | 14.04819 | 24.60181 | 49.41822 | 15.7608 | 23.5892 | 41.14826 | 7.49084 | 22.31916 | 43.81246 | 10.15504 | 56.05496 |
| 3/1/2025 | 10:00:00 PM | 33.65073 | 59.96215 | 26.31142 | 21.41858 | 47.70561 | 14.05488 | 24.59512 | 49.41822 | 15.76749 | 23.58251 | 41.13395 | 7.48322 | 22.32678 | 43.80173 | 10.151 | 56.059 |
| 3/1/2025 | 11:00:00 PM | 33.65073 | 59.96572 | 26.31499 | 21.41501 | 47.70896 | 14.05823 | 24.59177 | 49.41465 | 15.76392 | 23.58608 | 41.13753 | 7.4868 | 22.3232 | 43.80531 | 10.15458 | 56.05542 |
| 3/2/2025 | 12:00:00 AM | 33.65408 | 59.96929 | 26.31521 | 21.41479 | 47.71903 | 14.06495 | 24.58505 | 49.41822 | 15.76414 | 23.58586 | 41.1268 | 7.47272 | 22.33728 | 43.80173 | 10.14765 | 56.06235 |
| 3/2/2025 | 1:00:00 AM | 33.65073 | 59.96215 | 26.31142 | 21.41858 | 47.71567 | 14.06494 | 24.58506 | 49.41109 | 15.76036 | 23.58964 | 41.12322 | 7.47249 | 22.33751 | 43.80173 | 10.151 | 56.059 |
| 3/2/2025 | 2:00:00 AM | 33.63736 | 59.95858 | 26.32122 | 21.40878 | 47.71232 | 14.07496 | 24.57504 | 49.40039 | 15.76303 | 23.58697 | 41.11606 | 7.4787 | 22.3313 | 43.78744 | 10.15008 | 56.05992 |
| 3/2/2025 | 3:00:00 AM | 33.63736 | 59.95143 | 26.31407 | 21.41593 | 47.70896 | 14.0716 | 24.5784 | 49.40039 | 15.76303 | 23.58697 | 41.11964 | 7.48228 | 22.32772 | 43.77314 | 10.13578 | 56.07422 |
| 3/2/2025 | 4:00:00 AM | 33.63736 | 59.96215 | 26.32479 | 21.40521 | 47.71232 | 14.07496 | 24.57504 | 49.40752 | 15.77016 | 23.57984 | 41.12322 | 7.48586 | 22.32414 | 43.79459 | 10.15723 | 56.05277 |
| 3/2/2025 | 5:00:00 AM | 33.63401 | 59.96929 | 26.33528 | 21.39472 | 47.71903 | 14.08502 | 24.56498 | 49.40039 | 15.76638 | 23.58362 | 41.12322 | 7.48921 | 22.32079 | 43.79101 | 10.157 | 56.053 |
| 3/2/2025 | 6:00:00 AM | 33.62732 | 59.96215 | 26.33483 | 21.39517 | 47.72238 | 14.09506 | 24.55494 | 49.40396 | 15.77664 | 23.57336 | 41.12322 | 7.4959 | 22.3141 | 43.79459 | 10.16727 | 56.04273 |
| 3/2/2025 | 7:00:00 AM | 33.63067 | 59.96572 | 26.33505 | 21.39495 | 47.72238 | 14.09171 | 24.55829 | 49.39683 | 15.76616 | 23.58384 | 41.11606 | 7.48539 | 22.32461 | 43.79101 | 10.16034 | 56.04966 |
| 3/2/2025 | 8:00:00 AM | 33.63736 | 59.97643 | 26.33907 | 21.39093 | 47.7358 | 14.09844 | 24.55156 | 49.41109 | 15.77373 | 23.57627 | 41.13037 | 7.49301 | 22.31699 | 43.80173 | 10.16437 | 56.04563 |
| 3/2/2025 | 9:00:00 AM | 33.65073 | 59.99429 | 26.34356 | 21.38644 | 47.75256 | 14.10183 | 24.54817 | 49.42535 | 15.77462 | 23.57538 | 41.13753 | 7.4868 | 22.3232 | 43.82318 | 10.17245 | 56.03755 |
| 3/2/2025 | 10:00:00 AM | 33.65408 | 59.99071 | 26.33663 | 21.39337 | 47.75592 | 14.10184 | 24.54816 | 49.43604 | 15.78196 | 23.56804 | 41.13753 | 7.48345 | 22.32655 | 43.8196 | 10.16552 | 56.04448 |
| 3/2/2025 | 11:00:00 AM | 33.66745 | 60.01214 | 26.34469 | 21.38531 | 47.78275 | 14.1153 | 24.5347 | 49.43961 | 15.77216 | 23.57784 | 41.14111 | 7.47366 | 22.33634 | 43.83033 | 10.16288 | 56.04712 |
| 3/2/2025 | 12:00:00 PM | 33.6708 | 60.00857 | 26.33777 | 21.39223 | 47.7794 | 14.1086 | 24.5414 | 49.43604 | 15.76524 | 23.58476 | 41.13395 | 7.46315 | 22.34685 | 43.8196 | 10.1488 | 56.0612 |
| 3/2/2025 | 1:00:00 PM | 33.67414 | 59.98714 | 26.313 | 21.417 | 47.77269 | 14.09855 | 24.55145 | 49.42891 | 15.75477 | 23.59523 | 41.1268 | 7.45266 | 22.35734 | 43.80531 | 10.13117 | 56.07883 |
| 3/2/2025 | 2:00:00 PM | 33.68083 | 59.99786 | 26.31703 | 21.41297 | 47.7861 | 14.10527 | 24.54473 | 49.43961 | 15.75878 | 23.59122 | 41.13395 | 7.45312 | 22.35688 | 43.81246 | 10.13163 | 56.07837 |
| 3/2/2025 | 3:00:00 PM | 33.69086 | 60.01571 | 26.32485 | 21.40515 | 47.79281 | 14.10195 | 24.54805 | 49.44318 | 15.75232 | 23.59768 | 41.13753 | 7.44667 | 22.36333 | 43.81246 | 10.1216 | 56.0884 |
| 3/2/2025 | 4:00:00 PM | 33.68752 | 60.01928 | 26.33176 | 21.39824 | 47.79952 | 14.112 | 24.538 | 49.44318 | 15.75566 | 23.59434 | 41.13753 | 7.45001 | 22.35999 | 43.8196 | 10.13208 | 56.07792 |
| 3/2/2025 | 5:00:00 PM | 33.68417 | 60.01214 | 26.32797 | 21.40203 | 47.79617 | 14.112 | 24.538 | 49.43604 | 15.75187 | 23.59813 | 41.13037 | 7.4462 | 22.3638 | 43.80888 | 10.12471 | 56.08529 |
| 3/2/2025 | 6:00:00 PM | 33.69755 | 60.02999 | 26.33244 | 21.39756 | 47.80623 | 14.10868 | 24.54132 | 49.45387 | 15.75632 | 23.59368 | 41.14468 | 7.44713 | 22.36287 | 43.81603 | 10.11848 | 56.09152 |
| 3/2/2025 | 7:00:00 PM | 33.69086 | 60.03714 | 26.34628 | 21.38372 | 47.81629 | 14.12543 | 24.52457 | 49.45744 | 15.76658 | 23.58342 | 41.14826 | 7.4574 | 22.3526 | 43.81603 | 10.12517 | 56.08483 |
| 3/2/2025 | 8:00:00 PM | 33.69086 | 60.03357 | 26.34271 | 21.38729 | 47.823 | 14.13214 | 24.51786 | 49.45387 | 15.76301 | 23.58699 | 41.14468 | 7.45382 | 22.35618 | 43.81603 | 10.12517 | 56.08483 |
| 3/2/2025 | 9:00:00 PM | 33.6942 | 60.04071 | 26.34651 | 21.38349 | 47.83306 | 14.13886 | 24.51114 | 49.45387 | 15.75967 | 23.59033 | 41.14826 | 7.45406 | 22.35594 | 43.81603 | 10.12183 | 56.08817 |
| 3/2/2025 | 10:00:00 PM | 33.68417 | 60.04785 | 26.36368 | 21.36632 | 47.84312 | 14.15895 | 24.49105 | 49.4717 | 15.78753 | 23.56247 | 41.15542 | 7.47125 | 22.33875 | 43.83747 | 10.1533 | 56.0567 |
| 3/2/2025 | 11:00:00 PM | 33.68752 | 60.05856 | 26.37104 | 21.35896 | 47.85653 | 14.16901 | 24.48099 | 49.47526 | 15.78774 | 23.56226 | 41.159 | 7.47148 | 22.33852 | 43.82675 | 10.13923 | 56.07077 |
| 3/3/2025 | 12:00:00 AM | 33.6942 | 60.0657 | 26.3715 | 21.3585 | 47.85318 | 14.15898 | 24.49102 | 49.47526 | 15.78106 | 23.56894 | 41.159 | 7.4648 | 22.3452 | 43.82675 | 10.13255 | 56.07745 |
| 3/3/2025 | 1:00:00 AM | 33.69086 | 60.05142 | 26.36056 | 21.36944 | 47.84647 | 14.15561 | 24.49439 | 49.4717 | 15.78084 | 23.56916 | 41.14826 | 7.4574 | 22.3526 | 43.81603 | 10.12517 | 56.08483 |
| 3/3/2025 | 2:00:00 AM | 33.69086 | 60.05499 | 26.36413 | 21.36587 | 47.85318 | 14.16232 | 24.48768 | 49.46457 | 15.77371 | 23.57629 | 41.15542 | 7.46456 | 22.34544 | 43.80888 | 10.11802 | 56.09198 |
| 3/3/2025 | 3:00:00 AM | 33.68752 | 60.05499 | 26.36747 | 21.36253 | 47.85318 | 14.16566 | 24.48434 | 49.46457 | 15.77705 | 23.57295 | 41.15542 | 7.4679 | 22.3421 | 43.8196 | 10.13208 | 56.07792 |
| 3/3/2025 | 4:00:00 AM | 33.69086 | 60.06927 | 26.37841 | 21.35159 | 47.85653 | 14.16567 | 24.48433 | 49.46457 | 15.77371 | 23.57629 | 41.16615 | 7.47529 | 22.33471 | 43.8196 | 10.12874 | 56.08126 |
| 3/3/2025 | 5:00:00 AM | 33.70089 | 60.08713 | 26.38624 | 21.34376 | 47.87666 | 14.17577 | 24.47423 | 49.48239 | 15.7815 | 23.5685 | 41.18046 | 7.47957 | 22.33043 | 43.83033 | 10.12944 | 56.08056 |
| 3/3/2025 | 6:00:00 AM | 33.70424 | 60.09784 | 26.3936 | 21.3364 | 47.88672 | 14.18248 | 24.46752 | 49.49309 | 15.78885 | 23.56115 | 41.17689 | 7.47265 | 22.33735 | 43.8339 | 10.12966 | 56.08034 |
| 3/3/2025 | 7:00:00 AM | 33.70089 | 60.10141 | 26.40052 | 21.32948 | 47.88672 | 14.18583 | 24.46417 | 49.49665 | 15.79576 | 23.55424 | 41.18046 | 7.47957 | 22.33043 | 43.8339 | 10.13301 | 56.07699 |
| 3/3/2025 | 8:00:00 AM | 33.70758 | 60.11212 | 26.40454 | 21.32546 | 47.89678 | 14.1892 | 24.4608 | 49.50022 | 15.79264 | 23.55736 | 41.18404 | 7.47646 | 22.33354 | 43.84462 | 10.13704 | 56.07296 |
| 3/3/2025 | 9:00:00 AM | 33.71092 | 60.11927 | 26.40835 | 21.32165 | 47.90014 | 14.18922 | 24.46078 | 49.50022 | 15.7893 | 23.5607 | 41.18046 | 7.46954 | 22.34046 | 43.83747 | 10.12655 | 56.08345 |
| 3/3/2025 | 10:00:00 AM | 33.7243 | 60.11212 | 26.38782 | 21.34218 | 47.92026 | 14.19596 | 24.45404 | 49.50735 | 15.78305 | 23.56695 | 41.1912 | 7.4669 | 22.3431 | 43.84105 | 10.11675 | 56.09325 |
| 3/3/2025 | 11:00:00 AM | 33.7243 | 60.12284 | 26.39854 | 21.33146 | 47.9169 | 14.1926 | 24.4574 | 49.51448 | 15.79018 | 23.55982 | 41.19477 | 7.47047 | 22.33953 | 43.84105 | 10.11675 | 56.09325 |
| 3/3/2025 | 12:00:00 PM | 33.73433 | 60.12641 | 26.39208 | 21.33792 | 47.9169 | 14.18257 | 24.46743 | 49.51092 | 15.77659 | 23.57341 | 41.1912 | 7.45687 | 22.35313 | 43.8339 | 10.09957 | 56.11043 |
| 3/3/2025 | 1:00:00 PM | 33.73099 | 60.12641 | 26.39542 | 21.33458 | 47.9169 | 14.18591 | 24.46409 | 49.50735 | 15.77636 | 23.57364 | 41.19477 | 7.46378 | 22.34622 | 43.83747 | 10.10648 | 56.10352 |
| 3/3/2025 | 2:00:00 PM | 33.74436 | 60.12998 | 26.38562 | 21.34438 | 47.92026 | 14.1759 | 24.4741 | 49.51092 | 15.76656 | 23.58344 | 41.19835 | 7.45399 | 22.35601 | 43.82675 | 10.08239 | 56.12761 |
| 3/3/2025 | 3:00:00 PM | 33.73768 | 60.12284 | 26.38516 | 21.34484 | 47.9169 | 14.17922 | 24.47078 | 49.49309 | 15.75541 | 23.59459 | 41.1912 | 7.45352 | 22.35648 | 43.8196 | 10.08192 | 56.12808 |
| 3/3/2025 | 4:00:00 PM | 33.73768 | 60.12998 | 26.3923 | 21.3377 | 47.91355 | 14.17587 | 24.47413 | 49.49309 | 15.75541 | 23.59459 | 41.19477 | 7.45709 | 22.35291 | 43.80888 | 10.0712 | 56.1388 |
| 3/3/2025 | 5:00:00 PM | 33.74436 | 60.13712 | 26.39276 | 21.33724 | 47.92361 | 14.17925 | 24.47075 | 49.50378 | 15.75942 | 23.59058 | 41.20909 | 7.46473 | 22.34527 | 43.82318 | 10.07882 | 56.13118 |
| 3/3/2025 | 6:00:00 PM | 33.74102 | 60.14069 | 26.39967 | 21.33033 | 47.92361 | 14.18259 | 24.46741 | 49.50022 | 15.7592 | 23.5908 | 41.21624 | 7.47522 | 22.33478 | 43.82675 | 10.08573 | 56.12427 |
| 3/3/2025 | 7:00:00 PM | 33.74436 | 60.14783 | 26.40347 | 21.32653 | 47.92697 | 14.18261 | 24.46739 | 49.50022 | 15.75586 | 23.59414 | 41.21266 | 7.4683 | 22.3417 | 43.82675 | 10.08239 | 56.12761 |
| 3/3/2025 | 8:00:00 PM | 33.73433 | 60.13712 | 26.40279 | 21.32721 | 47.9169 | 14.18257 | 24.46743 | 49.49309 | 15.75876 | 23.59124 | 41.21266 | 7.47833 | 22.33167 | 43.82318 | 10.08885 | 56.12115 |
| 3/3/2025 | 9:00:00 PM | 33.73433 | 60.14426 | 26.40993 | 21.32007 | 47.93032 | 14.19599 | 24.45401 | 49.50022 | 15.76589 | 23.58411 | 41.2234 | 7.48907 | 22.32093 | 43.82675 | 10.09242 | 56.11758 |
| 3/3/2025 | 10:00:00 PM | 33.73768 | 60.13712 | 26.39944 | 21.33056 | 47.9169 | 14.17922 | 24.47078 | 49.49309 | 15.75541 | 23.59459 | 41.21624 | 7.47856 | 22.33144 | 43.82318 | 10.0855 | 56.1245 |
| 3/3/2025 | 11:00:00 PM | 33.73099 | 60.14069 | 26.4097 | 21.3203 | 47.92026 | 14.18927 | 24.46073 | 49.48596 | 15.75497 | 23.59503 | 41.21624 | 7.48525 | 22.32475 | 43.82675 | 10.09576 | 56.11424 |
| 3/4/2025 | 12:00:00 AM | 33.71427 | 60.14783 | 26.43356 | 21.29644 | 47.92026 | 14.20599 | 24.44401 | 49.49309 | 15.77882 | 23.57118 | 41.21982 | 7.50555 | 22.30445 | 43.82675 | 10.11248 | 56.09752 |
| 3/4/2025 | 1:00:00 AM | 33.70758 | 60.13355 | 26.42597 | 21.30403 | 47.9169 | 14.20932 | 24.44068 | 49.47883 | 15.77125 | 23.57875 | 41.21624 | 7.50866 | 22.30134 | 43.81603 | 10.10845 | 56.10155 |
| 3/4/2025 | 2:00:00 AM | 33.70424 | 60.13712 | 26.43288 | 21.29712 | 47.90014 | 14.1959 | 24.4541 | 49.46813 | 15.76389 | 23.58611 | 41.21624 | 7.512 | 22.298 | 43.81246 | 10.10822 | 56.10178 |
| 3/4/2025 | 3:00:00 AM | 33.70089 | 60.12998 | 26.42909 | 21.30091 | 47.89007 | 14.18918 | 24.46082 | 49.45744 | 15.75655 | 23.59345 | 41.21982 | 7.51893 | 22.29107 | 43.80531 | 10.10442 | 56.10558 |
| 3/4/2025 | 4:00:00 AM | 33.6942 | 60.12284 | 26.42864 | 21.30136 | 47.87666 | 14.18246 | 24.46754 | 49.45031 | 15.75611 | 23.59389 | 41.20551 | 7.51131 | 22.29869 | 43.79459 | 10.10039 | 56.10961 |
| 3/4/2025 | 5:00:00 AM | 33.68083 | 60.10141 | 26.42058 | 21.30942 | 47.85318 | 14.17235 | 24.47765 | 49.41822 | 15.73739 | 23.61261 | 41.20551 | 7.52468 | 22.28532 | 43.77672 | 10.09589 | 56.11411 |
| 3/4/2025 | 6:00:00 AM | 33.66745 | 60.09427 | 26.42682 | 21.30318 | 47.83977 | 14.17232 | 24.47768 | 49.40039 | 15.73294 | 23.61706 | 41.20193 | 7.53448 | 22.27552 | 43.76957 | 10.10212 | 56.10788 |
| 3/4/2025 | 7:00:00 AM | 33.66076 | 60.0907 | 26.42994 | 21.30006 | 47.83977 | 14.17901 | 24.47099 | 49.38613 | 15.72537 | 23.62463 | 41.20551 | 7.54475 | 22.26525 | 43.77672 | 10.11596 | 56.09404 |
| 3/4/2025 | 8:00:00 AM | 33.66076 | 60.09784 | 26.43708 | 21.29292 | 47.823 | 14.16224 | 24.48776 | 49.38613 | 15.72537 | 23.62463 | 41.20551 | 7.54475 | 22.26525 | 43.77672 | 10.11596 | 56.09404 |
| 3/4/2025 | 9:00:00 AM | 33.66411 | 60.0907 | 26.42659 | 21.30341 | 47.81964 | 14.15553 | 24.49447 | 49.3897 | 15.72559 | 23.62441 | 41.21624 | 7.55213 | 22.25787 | 43.78029 | 10.11618 | 56.09382 |
| 3/4/2025 | 10:00:00 AM | 33.67414 | 60.10141 | 26.42727 | 21.30273 | 47.82635 | 14.15221 | 24.49779 | 49.3897 | 15.71556 | 23.63444 | 41.2234 | 7.54926 | 22.26074 | 43.79459 | 10.12045 | 56.08955 |
| 3/4/2025 | 11:00:00 AM | 33.67748 | 60.08713 | 26.40965 | 21.32035 | 47.80958 | 14.1321 | 24.5179 | 49.37187 | 15.69439 | 23.65561 | 41.20909 | 7.53161 | 22.27839 | 43.78744 | 10.10996 | 56.10004 |
| 3/4/2025 | 12:00:00 PM | 33.6708 | 60.07642 | 26.40562 | 21.32438 | 47.80287 | 14.13207 | 24.51793 | 49.36117 | 15.69037 | 23.65963 | 41.20909 | 7.53829 | 22.27171 | 43.77672 | 10.10592 | 56.10408 |
| 3/4/2025 | 1:00:00 PM | 33.66745 | 60.0657 | 26.39825 | 21.33175 | 47.78946 | 14.12201 | 24.52799 | 49.35048 | 15.68303 | 23.66697 | 41.19835 | 7.5309 | 22.2791 | 43.76957 | 10.10212 | 56.10788 |
| 3/4/2025 | 2:00:00 PM | 33.68417 | 60.07999 | 26.39582 | 21.33418 | 47.79281 | 14.10864 | 24.54136 | 49.35048 | 15.66631 | 23.68369 | 41.21266 | 7.52849 | 22.28151 | 43.78744 | 10.10327 | 56.10673 |
| 3/4/2025 | 3:00:00 PM | 33.68752 | 60.0907 | 26.40318 | 21.32682 | 47.81629 | 14.12877 | 24.52123 | 49.3683 | 15.68078 | 23.66922 | 41.22697 | 7.53945 | 22.27055 | 43.81246 | 10.12494 | 56.08506 |
| 3/4/2025 | 4:00:00 PM | 33.65742 | 60.10141 | 26.44399 | 21.28601 | 47.81629 | 14.15887 | 24.49113 | 49.3683 | 15.71088 | 23.63912 | 41.2234 | 7.56598 | 22.24402 | 43.8196 | 10.16218 | 56.04782 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/4/2025 | 5:00:00 PM | 33.66411 | 60.1157 | 26.45159 | 21.27841 | 47.84312 | 14.17901 | 24.47099 | 49.3897 | 15.72559 | 23.62441 | 41.23055 | 7.56644 | 22.24356 | 43.83747 | 10.17336 | 56.03664 |
| 3/4/2025 | 6:00:00 PM | 33.67414 | 60.13712 | 26.46298 | 21.26702 | 47.8666 | 14.19246 | 24.45754 | 49.41822 | 15.74408 | 23.60592 | 41.23771 | 7.56357 | 22.24643 | 43.85177 | 10.17763 | 56.03237 |
| 3/4/2025 | 7:00:00 PM | 33.68083 | 60.1514 | 26.47057 | 21.25943 | 47.89007 | 14.20924 | 24.44076 | 49.43604 | 15.75521 | 23.59479 | 41.24844 | 7.56761 | 22.24239 | 43.86964 | 10.18881 | 56.02119 |
| 3/4/2025 | 8:00:00 PM | 33.68417 | 60.16569 | 26.48152 | 21.24848 | 47.90684 | 14.22267 | 24.42733 | 49.45031 | 15.76614 | 23.58386 | 41.23771 | 7.55354 | 22.25646 | 43.87679 | 10.19262 | 56.01738 |
| 3/4/2025 | 9:00:00 PM | 33.70424 | 60.17997 | 26.47573 | 21.25427 | 47.93032 | 14.22608 | 24.42392 | 49.46813 | 15.76389 | 23.58611 | 41.2556 | 7.55136 | 22.25864 | 43.89466 | 10.19042 | 56.01958 |
| 3/4/2025 | 10:00:00 PM | 33.6942 | 60.18354 | 26.48934 | 21.24066 | 47.93367 | 14.23947 | 24.41053 | 49.46813 | 15.77393 | 23.57607 | 41.24486 | 7.55066 | 22.25934 | 43.87679 | 10.18259 | 56.02741 |
| 3/4/2025 | 11:00:00 PM | 33.70089 | 60.17997 | 26.47908 | 21.25092 | 47.93703 | 14.23614 | 24.41386 | 49.46457 | 15.76368 | 23.58632 | 41.25202 | 7.55113 | 22.25887 | 43.87321 | 10.17232 | 56.03768 |
| 3/5/2025 | 12:00:00 AM | 33.69755 | 60.18354 | 26.48599 | 21.24401 | 47.94709 | 14.24954 | 24.40046 | 49.4717 | 15.77415 | 23.57585 | 41.2556 | 7.55805 | 22.25195 | 43.86964 | 10.17209 | 56.03791 |
| 3/5/2025 | 1:00:00 AM | 33.70424 | 60.19068 | 26.48644 | 21.24356 | 47.95715 | 14.25291 | 24.39709 | 49.48239 | 15.77815 | 23.57185 | 41.25917 | 7.55493 | 22.25507 | 43.88036 | 10.17612 | 56.03388 |
| 3/5/2025 | 2:00:00 AM | 33.6942 | 60.18711 | 26.49291 | 21.23709 | 47.95044 | 14.25624 | 24.39376 | 49.4717 | 15.7775 | 23.5725 | 41.25202 | 7.55782 | 22.25218 | 43.86249 | 10.16829 | 56.04171 |
| 3/5/2025 | 3:00:00 AM | 33.69755 | 60.17997 | 26.48242 | 21.24758 | 47.94038 | 14.24283 | 24.40717 | 49.46813 | 15.77058 | 23.57942 | 41.24844 | 7.55089 | 22.25911 | 43.85534 | 10.15779 | 56.05221 |
| 3/5/2025 | 4:00:00 AM | 33.69086 | 60.17997 | 26.48911 | 21.24089 | 47.93703 | 14.24617 | 24.40383 | 49.461 | 15.77014 | 23.57986 | 41.24844 | 7.55758 | 22.25242 | 43.8482 | 10.15734 | 56.05266 |
| 3/5/2025 | 5:00:00 AM | 33.69086 | 60.17997 | 26.48911 | 21.24089 | 47.93367 | 14.24281 | 24.40719 | 49.45387 | 15.76301 | 23.58699 | 41.25917 | 7.56831 | 22.24169 | 43.84462 | 10.15376 | 56.05624 |
| 3/5/2025 | 6:00:00 AM | 33.6942 | 60.16926 | 26.47506 | 21.25494 | 47.92361 | 14.22941 | 24.42059 | 49.44674 | 15.75254 | 23.59746 | 41.25917 | 7.56497 | 22.24503 | 43.83747 | 10.14327 | 56.06673 |
| 3/5/2025 | 7:00:00 AM | 33.6708 | 60.17283 | 26.50203 | 21.22797 | 47.92697 | 14.25617 | 24.39383 | 49.44674 | 15.77594 | 23.57406 | 41.2556 | 7.5848 | 22.2252 | 43.83747 | 10.16667 | 56.04333 |
| 3/5/2025 | 8:00:00 AM | 33.66745 | 60.16926 | 26.50181 | 21.22819 | 47.9169 | 14.24945 | 24.40055 | 49.43604 | 15.76859 | 23.58141 | 41.25917 | 7.59172 | 22.21828 | 43.83747 | 10.17002 | 56.03998 |
| 3/5/2025 | 9:00:00 AM | 33.66745 | 60.15855 | 26.4911 | 21.2389 | 47.9102 | 14.24275 | 24.40725 | 49.42535 | 15.7579 | 23.5921 | 41.25917 | 7.59172 | 22.21828 | 43.82675 | 10.1593 | 56.0507 |
| 3/5/2025 | 10:00:00 AM | 33.67414 | 60.16212 | 26.48798 | 21.24202 | 47.90349 | 14.22935 | 24.42065 | 49.40752 | 15.73338 | 23.61662 | 41.25202 | 7.57788 | 22.23212 | 43.82318 | 10.14904 | 56.06096 |
| 3/5/2025 | 11:00:00 AM | 33.68417 | 60.14069 | 26.45652 | 21.27348 | 47.88001 | 14.19584 | 24.45416 | 49.39326 | 15.70909 | 23.64091 | 41.24844 | 7.56427 | 22.24573 | 43.80531 | 10.12114 | 56.08886 |
| 3/5/2025 | 12:00:00 PM | 33.67748 | 60.13355 | 26.45607 | 21.27393 | 47.85318 | 14.1757 | 24.4743 | 49.37187 | 15.69439 | 23.65561 | 41.24129 | 7.56381 | 22.24619 | 43.79101 | 10.11353 | 56.09647 |
| 3/5/2025 | 1:00:00 PM | 33.70424 | 60.0907 | 26.38646 | 21.34354 | 47.8297 | 14.12546 | 24.52454 | 49.33978 | 15.63554 | 23.71446 | 41.22697 | 7.52273 | 22.28727 | 43.77672 | 10.07248 | 56.13752 |
| 3/5/2025 | 2:00:00 PM | 33.70424 | 60.08356 | 26.37932 | 21.35068 | 47.79952 | 14.09528 | 24.55472 | 49.30769 | 15.60345 | 23.74655 | 41.21266 | 7.50842 | 22.30158 | 43.76242 | 10.05818 | 56.15182 |
| 3/5/2025 | 3:00:00 PM | 33.69086 | 60.07642 | 26.38556 | 21.34444 | 47.77604 | 14.08518 | 24.56482 | 49.2863 | 15.59544 | 23.75456 | 41.21266 | 7.5218 | 22.2882 | 43.75885 | 10.06799 | 56.14201 |
| 3/5/2025 | 4:00:00 PM | 33.67414 | 60.05856 | 26.38442 | 21.34558 | 47.75592 | 14.08178 | 24.56822 | 49.27561 | 15.60147 | 23.74853 | 41.21266 | 7.53852 | 22.27148 | 43.7517 | 10.07756 | 56.13244 |
| 3/5/2025 | 5:00:00 PM | 33.66076 | 60.05499 | 26.39423 | 21.33577 | 47.7425 | 14.08174 | 24.56826 | 49.26135 | 15.60059 | 23.74941 | 41.21266 | 7.5519 | 22.2581 | 43.75527 | 10.09451 | 56.11549 |
| 3/5/2025 | 6:00:00 PM | 33.65408 | 60.05499 | 26.40091 | 21.32909 | 47.74586 | 14.09178 | 24.55822 | 49.26135 | 15.60727 | 23.74273 | 41.21982 | 7.56574 | 22.24426 | 43.766 | 10.11192 | 56.09808 |
| 3/5/2025 | 7:00:00 PM | 33.63736 | 60.04785 | 26.41049 | 21.31951 | 47.72909 | 14.09173 | 24.55827 | 49.25422 | 15.61686 | 23.73314 | 41.2234 | 7.58604 | 22.22396 | 43.77314 | 10.13578 | 56.07422 |
| 3/5/2025 | 8:00:00 PM | 33.63067 | 60.05856 | 26.42789 | 21.30211 | 47.73244 | 14.10177 | 24.54823 | 49.25778 | 15.62711 | 23.72289 | 41.22697 | 7.5963 | 22.2137 | 43.78029 | 10.14962 | 56.06038 |
| 3/5/2025 | 9:00:00 PM | 33.62398 | 60.06213 | 26.43815 | 21.29185 | 47.73915 | 14.11517 | 24.53483 | 49.25778 | 15.6338 | 23.7162 | 41.23055 | 7.60657 | 22.20343 | 43.79101 | 10.16703 | 56.04297 |
| 3/5/2025 | 10:00:00 PM | 33.61395 | 60.0657 | 26.45175 | 21.27825 | 47.7425 | 14.12855 | 24.52145 | 49.26135 | 15.6474 | 23.7026 | 41.22697 | 7.61302 | 22.19698 | 43.80531 | 10.19136 | 56.01864 |
| 3/5/2025 | 11:00:00 PM | 33.60726 | 60.07284 | 26.46558 | 21.26442 | 47.74586 | 14.1386 | 24.5114 | 49.27204 | 15.66478 | 23.68522 | 41.23413 | 7.62687 | 22.18313 | 43.81603 | 10.20877 | 56.00123 |
| 3/6/2025 | 12:00:00 AM | 33.60392 | 60.07284 | 26.46892 | 21.26108 | 47.74921 | 14.14529 | 24.50471 | 49.26848 | 15.66456 | 23.68544 | 41.22697 | 7.62305 | 22.18695 | 43.81603 | 10.21211 | 55.99789 |
| 3/6/2025 | 1:00:00 AM | 33.60057 | 60.06927 | 26.4687 | 21.2613 | 47.74921 | 14.14864 | 24.50136 | 49.27204 | 15.67147 | 23.67853 | 41.2234 | 7.62283 | 22.18717 | 43.8196 | 10.21903 | 55.99097 |
| 3/6/2025 | 2:00:00 AM | 33.59054 | 60.07999 | 26.48945 | 21.24055 | 47.75592 | 14.16538 | 24.48462 | 49.28274 | 15.6922 | 23.6578 | 41.21982 | 7.62928 | 22.18072 | 43.82318 | 10.23264 | 55.97736 |
| 3/6/2025 | 3:00:00 AM | 33.59054 | 60.07999 | 26.48945 | 21.24055 | 47.75927 | 14.16873 | 24.48127 | 49.28274 | 15.6922 | 23.6578 | 41.21982 | 7.62928 | 22.18072 | 43.8339 | 10.24336 | 55.96664 |
| 3/6/2025 | 4:00:00 AM | 33.5872 | 60.07284 | 26.48564 | 21.24436 | 47.75592 | 14.16872 | 24.48128 | 49.27561 | 15.68841 | 23.66159 | 41.21624 | 7.62904 | 22.18096 | 43.8196 | 10.2324 | 55.9776 |
| 3/6/2025 | 5:00:00 AM | 33.58385 | 60.08356 | 26.49971 | 21.23029 | 47.76933 | 14.18548 | 24.46452 | 49.28274 | 15.69889 | 23.65111 | 41.2234 | 7.63955 | 22.17045 | 43.83747 | 10.25362 | 55.95638 |
| 3/6/2025 | 6:00:00 AM | 33.57382 | 60.0907 | 26.51688 | 21.21312 | 47.77604 | 14.20222 | 24.44778 | 49.2863 | 15.71248 | 23.63752 | 41.21982 | 7.646 | 22.164 | 43.8339 | 10.26008 | 55.94992 |
| 3/6/2025 | 7:00:00 AM | 33.57716 | 60.08713 | 26.50997 | 21.22003 | 47.78275 | 14.20559 | 24.44441 | 49.28274 | 15.70558 | 23.64442 | 41.21982 | 7.64266 | 22.16734 | 43.84105 | 10.26389 | 55.94611 |
| 3/6/2025 | 8:00:00 AM | 33.57382 | 60.0907 | 26.51688 | 21.21312 | 47.79281 | 14.21899 | 24.43101 | 49.29343 | 15.71961 | 23.63039 | 41.23055 | 7.65673 | 22.15327 | 43.84462 | 10.2708 | 55.9392 |
| 3/6/2025 | 9:00:00 AM | 33.59388 | 60.09427 | 26.50039 | 21.22961 | 47.79281 | 14.19893 | 24.45107 | 49.29343 | 15.69955 | 23.65045 | 41.22697 | 7.63309 | 22.17691 | 43.83747 | 10.24359 | 55.96641 |
| 3/6/2025 | 10:00:00 AM | 33.60726 | 60.08713 | 26.47987 | 21.25013 | 47.7861 | 14.17884 | 24.47116 | 49.297 | 15.68974 | 23.66026 | 41.21624 | 7.60898 | 22.20102 | 43.84462 | 10.23736 | 55.97264 |
| 3/6/2025 | 11:00:00 AM | 33.61395 | 60.08713 | 26.47318 | 21.25682 | 47.78275 | 14.1688 | 24.4812 | 49.2863 | 15.67235 | 23.67765 | 41.21624 | 7.60229 | 22.20771 | 43.8339 | 10.21995 | 55.99005 |
| 3/6/2025 | 12:00:00 PM | 33.62064 | 60.07642 | 26.45578 | 21.27422 | 47.76933 | 14.14869 | 24.50131 | 49.27204 | 15.6514 | 23.6986 | 41.21266 | 7.59202 | 22.21798 | 43.8196 | 10.19896 | 56.01104 |
| 3/6/2025 | 1:00:00 PM | 33.65742 | 60.05856 | 26.40114 | 21.32886 | 47.76263 | 14.10521 | 24.54479 | 49.26491 | 15.60749 | 23.74251 | 41.20909 | 7.55167 | 22.25833 | 43.81246 | 10.15504 | 56.05496 |
| 3/6/2025 | 2:00:00 PM | 33.68083 | 60.07284 | 26.39201 | 21.33799 | 47.75927 | 14.07844 | 24.57156 | 49.26135 | 15.58052 | 23.76948 | 41.21266 | 7.53183 | 22.27817 | 43.81246 | 10.13163 | 56.07837 |
| 3/6/2025 | 3:00:00 PM | 33.67748 | 60.07284 | 26.39536 | 21.33464 | 47.76933 | 14.09185 | 24.55815 | 49.26848 | 15.591 | 23.759 | 41.21982 | 7.54234 | 22.26766 | 43.81246 | 10.13498 | 56.07502 |
| 3/6/2025 | 4:00:00 PM | 33.66745 | 60.07642 | 26.40897 | 21.32103 | 47.77269 | 14.10524 | 24.54476 | 49.27204 | 15.60459 | 23.74541 | 41.2234 | 7.55595 | 22.25405 | 43.82318 | 10.15573 | 56.05427 |
| 3/6/2025 | 5:00:00 PM | 33.6708 | 60.08713 | 26.41633 | 21.31367 | 47.77604 | 14.10524 | 24.54476 | 49.25778 | 15.58698 | 23.76302 | 41.21982 | 7.54902 | 22.26098 | 43.83033 | 10.15953 | 56.05047 |
| 3/6/2025 | 6:00:00 PM | 33.65742 | 60.09427 | 26.43685 | 21.29315 | 47.78946 | 14.13204 | 24.51796 | 49.27917 | 15.62175 | 23.72825 | 41.23055 | 7.57313 | 22.23687 | 43.84462 | 10.1872 | 56.0228 |
| 3/6/2025 | 7:00:00 PM | 33.66076 | 60.10141 | 26.44065 | 21.28935 | 47.79617 | 14.13541 | 24.51459 | 49.28987 | 15.62911 | 23.72089 | 41.23413 | 7.57337 | 22.23663 | 43.8482 | 10.18744 | 56.02256 |
| 3/6/2025 | 8:00:00 PM | 33.65073 | 60.1157 | 26.46497 | 21.26503 | 47.80958 | 14.15885 | 24.49115 | 49.297 | 15.64627 | 23.70373 | 41.23413 | 7.5834 | 22.2266 | 43.85892 | 10.20819 | 56.00181 |
| 3/6/2025 | 9:00:00 PM | 33.65408 | 60.12641 | 26.47233 | 21.25767 | 47.83306 | 14.17898 | 24.47102 | 49.31839 | 15.66431 | 23.68569 | 41.24486 | 7.59078 | 22.21922 | 43.86964 | 10.21556 | 55.99444 |
| 3/6/2025 | 10:00:00 PM | 33.64404 | 60.13712 | 26.49308 | 21.23692 | 47.83977 | 14.19573 | 24.45427 | 49.32552 | 15.68148 | 23.66852 | 41.24486 | 7.60082 | 22.20918 | 43.86964 | 10.2256 | 55.9844 |
| 3/6/2025 | 11:00:00 PM | 33.64404 | 60.14069 | 26.49665 | 21.23335 | 47.84312 | 14.19908 | 24.45092 | 49.33265 | 15.68861 | 23.66139 | 41.24486 | 7.60082 | 22.20918 | 43.88393 | 10.23989 | 55.97011 |
| 3/7/2025 | 12:00:00 AM | 33.63736 | 60.15497 | 26.51761 | 21.21239 | 47.8733 | 14.23594 | 24.41406 | 49.34691 | 15.70955 | 23.64045 | 41.2556 | 7.61824 | 22.19176 | 43.89823 | 10.26087 | 55.94913 |
| 3/7/2025 | 1:00:00 AM | 33.6407 | 60.15855 | 26.51785 | 21.21215 | 47.88001 | 14.23931 | 24.41069 | 49.35404 | 15.71334 | 23.63666 | 41.2556 | 7.6149 | 22.1951 | 43.88751 | 10.24681 | 55.96319 |
| 3/7/2025 | 2:00:00 AM | 33.65073 | 60.17283 | 26.5221 | 21.2079 | 47.89343 | 14.2427 | 24.4073 | 49.36474 | 15.71401 | 23.63599 | 41.26275 | 7.61202 | 22.19798 | 43.88751 | 10.23678 | 55.97322 |
| 3/7/2025 | 3:00:00 AM | 33.65073 | 60.16569 | 26.51496 | 21.21504 | 47.88672 | 14.23599 | 24.41401 | 49.3683 | 15.71757 | 23.63243 | 41.25917 | 7.60844 | 22.20156 | 43.87679 | 10.22606 | 55.98394 |
| 3/7/2025 | 4:00:00 AM | 33.65742 | 60.16569 | 26.50827 | 21.22173 | 47.89678 | 14.23936 | 24.41064 | 49.36474 | 15.70732 | 23.64268 | 41.26275 | 7.60533 | 22.20467 | 43.88036 | 10.22294 | 55.98706 |
| 3/7/2025 | 5:00:00 AM | 33.68752 | 60.19068 | 26.50316 | 21.22684 | 47.92026 | 14.23274 | 24.41726 | 49.38613 | 15.69861 | 23.65139 | 41.28064 | 7.59312 | 22.21688 | 43.9018 | 10.21428 | 55.99572 |
| 3/7/2025 | 6:00:00 AM | 33.69755 | 60.20854 | 26.51099 | 21.21901 | 47.93367 | 14.23612 | 24.41388 | 49.40396 | 15.70641 | 23.64359 | 41.28064 | 7.58309 | 22.22691 | 43.90538 | 10.20783 | 56.00217 |
| 3/7/2025 | 7:00:00 AM | 33.72096 | 60.21568 | 26.49472 | 21.23528 | 47.9538 | 14.23284 | 24.41716 | 49.41822 | 15.69726 | 23.65274 | 41.29853 | 7.57757 | 22.23243 | 43.9161 | 10.19514 | 56.01486 |
| 3/7/2025 | 8:00:00 AM | 33.7544 | 60.24782 | 26.49342 | 21.23658 | 47.98063 | 14.22623 | 24.42377 | 49.44318 | 15.68878 | 23.66122 | 41.31284 | 7.55844 | 22.25156 | 43.93754 | 10.18314 | 56.02686 |
| 3/7/2025 | 9:00:00 AM | 33.77112 | 60.25496 | 26.48384 | 21.24616 | 47.9974 | 14.22628 | 24.42372 | 49.45387 | 15.68275 | 23.66725 | 41.31284 | 7.54172 | 22.26828 | 43.93754 | 10.16642 | 56.04358 |
| 3/7/2025 | 10:00:00 AM | 33.78115 | 60.24782 | 26.46667 | 21.26333 | 47.98734 | 14.20619 | 24.44381 | 49.45031 | 15.66916 | 23.68084 | 41.30211 | 7.52096 | 22.28904 | 43.91967 | 10.13852 | 56.07148 |
| 3/7/2025 | 11:00:00 AM | 33.7778 | 60.20854 | 26.43074 | 21.29926 | 47.95715 | 14.17935 | 24.47065 | 49.41109 | 15.63329 | 23.71671 | 41.27349 | 7.49569 | 22.31431 | 43.88036 | 10.10256 | 56.10744 |
| 3/7/2025 | 12:00:00 PM | 33.79452 | 60.22282 | 26.4283 | 21.3017 | 47.95715 | 14.16263 | 24.48737 | 49.42178 | 15.62726 | 23.72274 | 41.2878 | 7.49328 | 22.31672 | 43.88036 | 10.08584 | 56.12416 |
| 3/7/2025 | 1:00:00 PM | 33.81124 | 60.21568 | 26.40444 | 21.32556 | 47.95044 | 14.1392 | 24.5108 | 49.39683 | 15.58559 | 23.76441 | 41.2878 | 7.47656 | 22.33344 | 43.87321 | 10.06197 | 56.14803 |
| 3/7/2025 | 2:00:00 PM | 33.84468 | 60.2014 | 26.35672 | 21.37328 | 47.94038 | 14.0957 | 24.5543 | 49.39326 | 15.54858 | 23.80142 | 41.28422 | 7.43954 | 22.37046 | 43.86249 | 10.01781 | 56.19219 |
| 3/7/2025 | 3:00:00 PM | 33.83465 | 60.21568 | 26.38103 | 21.34897 | 47.94038 | 14.10573 | 24.54427 | 49.3897 | 15.55505 | 23.79495 | 41.29853 | 7.46388 | 22.34612 | 43.86964 | 10.03499 | 56.17501 |
| 3/7/2025 | 4:00:00 PM | 33.83465 | 60.20497 | 26.37032 | 21.35968 | 47.92361 | 14.08896 | 24.56104 | 49.37543 | 15.54078 | 23.80922 | 41.2878 | 7.45315 | 22.35685 | 43.85534 | 10.02069 | 56.18931 |
| 3/7/2025 | 5:00:00 PM | 33.82128 | 60.2014 | 26.38012 | 21.34988 | 47.92026 | 14.09898 | 24.55102 | 49.36474 | 15.54346 | 23.80654 | 41.29495 | 7.47367 | 22.33633 | 43.85177 | 10.03049 | 56.17951 |
| 3/7/2025 | 6:00:00 PM | 33.82128 | 60.19783 | 26.37655 | 21.35345 | 47.91355 | 14.09227 | 24.55773 | 49.36474 | 15.54346 | 23.80654 | 41.30211 | 7.48083 | 22.32917 | 43.85177 | 10.03049 | 56.17951 |
| 3/7/2025 | 7:00:00 PM | 33.81124 | 60.20497 | 26.39373 | 21.33627 | 47.90349 | 14.09225 | 24.55775 | 49.35761 | 15.54637 | 23.80363 | 41.30211 | 7.49087 | 22.31913 | 43.85892 | 10.04768 | 56.16232 |
| 3/7/2025 | 8:00:00 PM | 33.82128 | 60.22282 | 26.40154 | 21.32846 | 47.93367 | 14.11239 | 24.53761 | 49.38613 | 15.56485 | 23.78515 | 41.32715 | 7.50587 | 22.30413 | 43.88393 | 10.06265 | 56.14735 |
| 3/7/2025 | 9:00:00 PM | 33.81124 | 60.20854 | 26.3973 | 21.3327 | 47.9102 | 14.09896 | 24.55104 | 49.36117 | 15.54993 | 23.80007 | 41.30211 | 7.49087 | 22.31913 | 43.85892 | 10.04768 | 56.16232 |
| 3/7/2025 | 10:00:00 PM | 33.8079 | 60.20854 | 26.40064 | 21.32936 | 47.9102 | 14.1023 | 24.5477 | 49.35404 | 15.54614 | 23.80386 | 41.30926 | 7.50136 | 22.30864 | 43.86249 | 10.05459 | 56.15541 |
| 3/7/2025 | 11:00:00 PM | 33.79787 | 60.1764 | 26.37853 | 21.35147 | 47.88337 | 14.0855 | 24.5645 | 49.32552 | 15.52765 | 23.82235 | 41.27706 | 7.47919 | 22.33081 | 43.8339 | 10.03603 | 56.17397 |
| 3/8/2025 | 12:00:00 AM | 33.79787 | 60.18711 | 26.38924 | 21.34076 | 47.88001 | 14.08214 | 24.56786 | 49.32909 | 15.53122 | 23.81878 | 41.29137 | 7.4935 | 22.3165 | 43.8482 | 10.05033 | 56.15967 |
| 3/8/2025 | 1:00:00 AM | 33.81124 | 60.2014 | 26.39016 | 21.33984 | 47.89007 | 14.07883 | 24.57117 | 49.34335 | 15.53211 | 23.81789 | 41.30569 | 7.49445 | 22.31555 | 43.85892 | 10.04768 | 56.16232 |
| 3/8/2025 | 2:00:00 AM | 33.81124 | 60.19068 | 26.37944 | 21.35056 | 47.88337 | 14.07213 | 24.57787 | 49.32909 | 15.51785 | 23.83215 | 41.30211 | 7.49087 | 22.31913 | 43.85892 | 10.04768 | 56.16232 |
| 3/8/2025 | 3:00:00 AM | 33.80121 | 60.18711 | 26.3859 | 21.3441 | 47.87666 | 14.07545 | 24.57455 | 49.32909 | 15.52788 | 23.82212 | 41.30211 | 7.5009 | 22.3091 | 43.86249 | 10.06128 | 56.14872 |
| 3/8/2025 | 4:00:00 AM | 33.79787 | 60.17997 | 26.3821 | 21.3479 | 47.86324 | 14.06537 | 24.58463 | 49.32196 | 15.52409 | 23.82591 | 41.29137 | 7.4935 | 22.3165 | 43.85534 | 10.05747 | 56.15253 |
| 3/8/2025 | 5:00:00 AM | 33.79787 | 60.19068 | 26.39281 | 21.33719 | 47.87666 | 14.07879 | 24.57121 | 49.31839 | 15.52052 | 23.82948 | 41.30569 | 7.50782 | 22.30218 | 43.86249 | 10.06462 | 56.14538 |
| 3/8/2025 | 6:00:00 AM | 33.79787 | 60.20497 | 26.4071 | 21.3229 | 47.88337 | 14.0855 | 24.5645 | 49.33978 | 15.54191 | 23.80809 | 41.31284 | 7.51497 | 22.29503 | 43.88393 | 10.08606 | 56.12394 |
| 3/8/2025 | 7:00:00 AM | 33.80121 | 60.2014 | 26.40019 | 21.32981 | 47.88672 | 14.08551 | 24.56449 | 49.33978 | 15.53857 | 23.81143 | 41.31642 | 7.51521 | 22.29479 | 43.88751 | 10.0863 | 56.1237 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/8/2025 | 8:00:00 AM | 33.80121 | 60.21925 | 26.41804 | 21.31196 | 47.89678 | 14.09557 | 24.55443 | 49.34335 | 15.54214 | 23.80786 | 41.32715 | 7.52594 | 22.28406 | 43.88751 | 10.0863 | 56.1237 |
| 3/8/2025 | 9:00:00 AM | 33.80121 | 60.2014 | 26.40019 | 21.32981 | 47.89343 | 14.09222 | 24.55778 | 49.33622 | 15.53501 | 23.81499 | 41.31284 | 7.51163 | 22.29837 | 43.89823 | 10.09702 | 56.11298 |
| 3/8/2025 | 10:00:00 AM | 33.80456 | 60.20497 | 26.40041 | 21.32959 | 47.89007 | 14.08551 | 24.56449 | 49.33978 | 15.53522 | 23.81478 | 41.32 | 7.51544 | 22.29456 | 43.88393 | 10.07937 | 56.13063 |
| 3/8/2025 | 11:00:00 AM | 33.80456 | 60.19783 | 26.39327 | 21.33673 | 47.88672 | 14.08216 | 24.56784 | 49.32552 | 15.52096 | 23.82904 | 41.30926 | 7.5047 | 22.3053 | 43.88036 | 10.0758 | 56.1342 |
| 3/8/2025 | 12:00:00 PM | 33.80121 | 60.19425 | 26.39304 | 21.33696 | 47.86995 | 14.06874 | 24.58126 | 49.31483 | 15.51362 | 23.83638 | 41.30569 | 7.50448 | 22.30552 | 43.86964 | 10.06843 | 56.14157 |
| 3/8/2025 | 1:00:00 PM | 33.79452 | 60.16569 | 26.37117 | 21.35883 | 47.84983 | 14.05531 | 24.59469 | 49.28987 | 15.49535 | 23.85465 | 41.2878 | 7.49328 | 22.31672 | 43.84462 | 10.0501 | 56.1599 |
| 3/8/2025 | 2:00:00 PM | 33.79452 | 60.14783 | 26.35331 | 21.37669 | 47.83641 | 14.04189 | 24.60811 | 49.27561 | 15.48109 | 23.86891 | 41.29137 | 7.49685 | 22.31315 | 43.84105 | 10.04653 | 56.16347 |
| 3/8/2025 | 3:00:00 PM | 33.79118 | 60.16212 | 26.37094 | 21.35906 | 47.83641 | 14.04523 | 24.60477 | 49.28274 | 15.49156 | 23.85844 | 41.29853 | 7.50735 | 22.30265 | 43.85177 | 10.06059 | 56.14941 |
| 3/8/2025 | 4:00:00 PM | 33.78449 | 60.1514 | 26.36691 | 21.36309 | 47.81964 | 14.03515 | 24.61485 | 49.26135 | 15.47686 | 23.87314 | 41.28422 | 7.49973 | 22.31027 | 43.84462 | 10.06013 | 56.14987 |
| 3/8/2025 | 5:00:00 PM | 33.78449 | 60.14426 | 26.35977 | 21.37023 | 47.81293 | 14.02844 | 24.62156 | 49.24352 | 15.45903 | 23.89097 | 41.29495 | 7.51046 | 22.29954 | 43.84105 | 10.05656 | 56.15344 |
| 3/8/2025 | 6:00:00 PM | 33.7778 | 60.14069 | 26.36289 | 21.36711 | 47.80958 | 14.03178 | 24.61822 | 49.25065 | 15.47285 | 23.87715 | 41.29495 | 7.51715 | 22.29285 | 43.84462 | 10.06682 | 56.14318 |
| 3/8/2025 | 7:00:00 PM | 33.77112 | 60.14069 | 26.36957 | 21.36043 | 47.81293 | 14.04181 | 24.60819 | 49.23995 | 15.46883 | 23.88117 | 41.30926 | 7.53814 | 22.27186 | 43.85534 | 10.08422 | 56.12578 |
| 3/8/2025 | 8:00:00 PM | 33.75774 | 60.15497 | 26.39723 | 21.33277 | 47.80623 | 14.04849 | 24.60151 | 49.23995 | 15.48221 | 23.86779 | 41.29853 | 7.54079 | 22.26921 | 43.85892 | 10.10118 | 56.10882 |
| 3/8/2025 | 9:00:00 PM | 33.76108 | 60.15497 | 26.39389 | 21.33611 | 47.81629 | 14.05521 | 24.59479 | 49.25065 | 15.48957 | 23.86043 | 41.29853 | 7.53745 | 22.27255 | 43.86964 | 10.10856 | 56.10144 |
| 3/8/2025 | 10:00:00 PM | 33.7544 | 60.14069 | 26.38629 | 21.34371 | 47.79952 | 14.04512 | 24.60488 | 49.22926 | 15.47486 | 23.87514 | 41.29137 | 7.53697 | 22.27303 | 43.85534 | 10.10094 | 56.10906 |
| 3/8/2025 | 11:00:00 PM | 33.74436 | 60.13712 | 26.39276 | 21.33724 | 47.79617 | 14.05181 | 24.59819 | 49.23282 | 15.48846 | 23.86154 | 41.2878 | 7.54344 | 22.26656 | 43.85892 | 10.11456 | 56.09544 |
| 3/9/2025 | 12:00:00 AM | 33.73433 | 60.13712 | 26.40279 | 21.32721 | 47.7861 | 14.05177 | 24.59823 | 49.22213 | 15.4878 | 23.8622 | 41.28422 | 7.54989 | 22.26011 | 43.85534 | 10.12101 | 56.08899 |
| 3/9/2025 | 1:00:00 AM | 33.71092 | 60.11927 | 26.40835 | 21.32165 | 47.77269 | 14.06177 | 24.58823 | 49.21143 | 15.50051 | 23.84949 | 41.27706 | 7.56614 | 22.24386 | 43.84462 | 10.1337 | 56.0763 |
| 3/9/2025 | 3:00:00 AM | 33.69755 | 60.10855 | 26.411 | 21.319 | 47.75592 | 14.05837 | 24.59163 | 49.19004 | 15.49249 | 23.85751 | 41.27706 | 7.57951 | 22.23049 | 43.84462 | 10.14707 | 56.06293 |
| 3/9/2025 | 4:00:00 AM | 33.68083 | 60.07642 | 26.39559 | 21.33441 | 47.73915 | 14.05832 | 24.59168 | 49.17221 | 15.49138 | 23.85862 | 41.25202 | 7.57119 | 22.23881 | 43.8196 | 10.13877 | 56.07123 |
| 3/9/2025 | 5:00:00 AM | 33.65742 | 60.07284 | 26.41542 | 21.31458 | 47.70896 | 14.05154 | 24.59846 | 49.14013 | 15.48271 | 23.86729 | 41.24486 | 7.58744 | 22.22256 | 43.80531 | 10.14789 | 56.06211 |
| 3/9/2025 | 6:00:00 AM | 33.65073 | 60.05142 | 26.40069 | 21.32931 | 47.68884 | 14.03811 | 24.61189 | 49.1223 | 15.47157 | 23.87843 | 41.23055 | 7.57982 | 22.23018 | 43.79101 | 10.14028 | 56.06972 |
| 3/9/2025 | 7:00:00 AM | 33.6407 | 60.05499 | 26.41429 | 21.31571 | 47.67207 | 14.03137 | 24.61863 | 49.11517 | 15.47447 | 23.87553 | 41.23771 | 7.59701 | 22.21299 | 43.80173 | 10.16103 | 56.04897 |
| 3/9/2025 | 8:00:00 AM | 33.63401 | 60.03714 | 26.40313 | 21.32687 | 47.66201 | 14.028 | 24.622 | 49.10447 | 15.47046 | 23.87954 | 41.23771 | 7.6037 | 22.2063 | 43.80531 | 10.1713 | 56.0387 |
| 3/9/2025 | 9:00:00 AM | 33.63067 | 60.04071 | 26.41004 | 21.31996 | 47.6553 | 14.02463 | 24.62537 | 49.10091 | 15.47024 | 23.87976 | 41.24486 | 7.61419 | 22.19581 | 43.80888 | 10.17821 | 56.03179 |
| 3/9/2025 | 10:00:00 AM | 33.61729 | 60.03357 | 26.41628 | 21.31372 | 47.64189 | 14.0246 | 24.6254 | 49.09021 | 15.47292 | 23.87708 | 41.23055 | 7.61326 | 22.19674 | 43.80888 | 10.19159 | 56.01841 |
| 3/9/2025 | 11:00:00 AM | 33.61395 | 60.02642 | 26.41247 | 21.31753 | 47.63518 | 14.02123 | 24.62877 | 49.08308 | 15.46913 | 23.88087 | 41.22697 | 7.61302 | 22.19698 | 43.80531 | 10.19136 | 56.01864 |
| 3/9/2025 | 12:00:00 PM | 33.60057 | 60.02285 | 26.42228 | 21.30772 | 47.63518 | 14.03461 | 24.61539 | 49.06882 | 15.46825 | 23.88175 | 41.22697 | 7.6264 | 22.1836 | 43.81603 | 10.21546 | 55.99454 |
| 3/9/2025 | 1:00:00 PM | 33.60392 | 60.02642 | 26.4225 | 21.3075 | 47.63182 | 14.0279 | 24.6221 | 49.07595 | 15.47203 | 23.87797 | 41.2234 | 7.61948 | 22.19052 | 43.8196 | 10.21568 | 55.99432 |
| 3/9/2025 | 2:00:00 PM | 33.5872 | 60.005 | 26.4178 | 21.3122 | 47.61841 | 14.03121 | 24.61879 | 49.05456 | 15.46736 | 23.88264 | 41.21266 | 7.62546 | 22.18454 | 43.81246 | 10.22526 | 55.98474 |
| 3/9/2025 | 3:00:00 PM | 33.5872 | 60.04428 | 26.45708 | 21.27292 | 47.65866 | 14.07146 | 24.57854 | 49.10091 | 15.51371 | 23.83629 | 41.24129 | 7.65409 | 22.15591 | 43.85177 | 10.26457 | 55.94543 |
| 3/9/2025 | 4:00:00 PM | 33.58051 | 60.04785 | 26.46734 | 21.26266 | 47.66872 | 14.08821 | 24.56179 | 49.09734 | 15.51683 | 23.83317 | 41.23413 | 7.65362 | 22.15638 | 43.85892 | 10.27841 | 55.93159 |
| 3/9/2025 | 5:00:00 PM | 33.5872 | 60.0657 | 26.4785 | 21.2515 | 47.68884 | 14.10164 | 24.54836 | 49.12943 | 15.54223 | 23.80777 | 41.23055 | 7.64335 | 22.16665 | 43.87321 | 10.28601 | 55.92399 |
| 3/9/2025 | 6:00:00 PM | 33.59054 | 60.06927 | 26.47873 | 21.25127 | 47.70226 | 14.11172 | 24.53828 | 49.13656 | 15.54602 | 23.80398 | 41.22697 | 7.63643 | 22.17357 | 43.88393 | 10.29339 | 55.91661 |
| 3/9/2025 | 7:00:00 PM | 33.59054 | 60.08713 | 26.49659 | 21.23341 | 47.72238 | 14.13184 | 24.51816 | 49.15082 | 15.56028 | 23.78972 | 41.22697 | 7.63643 | 22.17357 | 43.89823 | 10.30769 | 55.90231 |
| 3/9/2025 | 8:00:00 PM | 33.59054 | 60.08713 | 26.49659 | 21.23341 | 47.73915 | 14.14861 | 24.50139 | 49.16508 | 15.57454 | 23.77546 | 41.22697 | 7.63643 | 22.17357 | 43.89466 | 10.30412 | 55.90588 |
| 3/9/2025 | 9:00:00 PM | 33.59388 | 60.09784 | 26.50396 | 21.22604 | 47.77604 | 14.18216 | 24.46784 | 49.18648 | 15.5926 | 23.7574 | 41.23055 | 7.63667 | 22.17333 | 43.90538 | 10.3115 | 55.8985 |
| 3/9/2025 | 10:00:00 PM | 33.5872 | 60.1157 | 26.5285 | 21.2015 | 47.79952 | 14.21232 | 24.43768 | 49.2043 | 15.6171 | 23.7329 | 41.23055 | 7.64335 | 22.16665 | 43.90538 | 10.31818 | 55.89182 |
| 3/9/2025 | 11:00:00 PM | 33.59723 | 60.11927 | 26.52204 | 21.20796 | 47.82635 | 14.22912 | 24.42088 | 49.22569 | 15.62846 | 23.72154 | 41.24129 | 7.64406 | 22.16594 | 43.90895 | 10.31172 | 55.89828 |
| 3/10/2025 | 12:00:00 AM | 33.60057 | 60.12641 | 26.52584 | 21.20416 | 47.84983 | 14.24926 | 24.40074 | 49.23995 | 15.63938 | 23.71062 | 41.24486 | 7.64429 | 22.16571 | 43.91253 | 10.31196 | 55.89804 |
| 3/10/2025 | 1:00:00 AM | 33.60392 | 60.14069 | 26.53677 | 21.19323 | 47.8733 | 14.26938 | 24.38062 | 49.27204 | 15.66812 | 23.68188 | 41.24129 | 7.63737 | 22.17263 | 43.91967 | 10.31575 | 55.89425 |
| 3/10/2025 | 2:00:00 AM | 33.61395 | 60.14069 | 26.52674 | 21.20326 | 47.89343 | 14.27948 | 24.37052 | 49.28274 | 15.66879 | 23.68121 | 41.23771 | 7.62376 | 22.18624 | 43.91253 | 10.29858 | 55.91142 |
| 3/10/2025 | 3:00:00 AM | 33.6106 | 60.14426 | 26.53366 | 21.19634 | 47.90349 | 14.29289 | 24.35711 | 49.297 | 15.6864 | 23.6636 | 41.25202 | 7.64142 | 22.16858 | 43.90895 | 10.29835 | 55.91165 |
| 3/10/2025 | 4:00:00 AM | 33.60726 | 60.14069 | 26.53343 | 21.19657 | 47.9102 | 14.30294 | 24.34706 | 49.30413 | 15.69687 | 23.65313 | 41.23413 | 7.62687 | 22.18313 | 43.90895 | 10.30169 | 55.90831 |
| 3/10/2025 | 5:00:00 AM | 33.61395 | 60.15497 | 26.54102 | 21.18898 | 47.93032 | 14.31637 | 24.33363 | 49.31839 | 15.70444 | 23.64556 | 41.23413 | 7.62018 | 22.18982 | 43.90538 | 10.29143 | 55.91857 |
| 3/10/2025 | 6:00:00 AM | 33.61729 | 60.15855 | 26.54126 | 21.18874 | 47.93367 | 14.31638 | 24.33362 | 49.32909 | 15.7118 | 23.6382 | 41.24486 | 7.62757 | 22.18243 | 43.89823 | 10.28094 | 55.92906 |
| 3/10/2025 | 7:00:00 AM | 33.61729 | 60.14069 | 26.5234 | 21.2066 | 47.93367 | 14.31638 | 24.33362 | 49.33622 | 15.71893 | 23.63107 | 41.23771 | 7.62042 | 22.18958 | 43.89823 | 10.28094 | 55.92906 |
| 3/10/2025 | 8:00:00 AM | 33.61395 | 60.14783 | 26.53388 | 21.19612 | 47.93703 | 14.32308 | 24.32692 | 49.34691 | 15.73296 | 23.61704 | 41.24844 | 7.63449 | 22.17551 | 43.89466 | 10.28071 | 55.92929 |
| 3/10/2025 | 9:00:00 AM | 33.62064 | 60.14783 | 26.52719 | 21.20281 | 47.94038 | 14.31974 | 24.33026 | 49.35048 | 15.72984 | 23.62016 | 41.24844 | 7.6278 | 22.1822 | 43.9018 | 10.28116 | 55.92884 |
| 3/10/2025 | 10:00:00 AM | 33.62064 | 60.14426 | 26.52362 | 21.20638 | 47.94374 | 14.3231 | 24.3269 | 49.35404 | 15.7334 | 23.6166 | 41.25202 | 7.63138 | 22.17862 | 43.89108 | 10.27044 | 55.93956 |
| 3/10/2025 | 11:00:00 AM | 33.63736 | 60.14783 | 26.51047 | 21.21953 | 47.94038 | 14.30302 | 24.34698 | 49.35761 | 15.72025 | 23.62975 | 41.24486 | 7.6075 | 22.2025 | 43.89823 | 10.26087 | 55.94913 |
| 3/10/2025 | 12:00:00 PM | 33.65073 | 60.1514 | 26.50067 | 21.22933 | 47.93703 | 14.2863 | 24.3637 | 49.36474 | 15.71401 | 23.63599 | 41.23771 | 7.58698 | 22.22302 | 43.88393 | 10.2332 | 55.9768 |
| 3/10/2025 | 1:00:00 PM | 33.64404 | 60.12998 | 26.48594 | 21.24406 | 47.92361 | 14.27957 | 24.37043 | 49.34691 | 15.70287 | 23.64713 | 41.22697 | 7.58293 | 22.22707 | 43.86606 | 10.22202 | 55.98798 |
| 3/10/2025 | 2:00:00 PM | 33.63736 | 60.08713 | 26.44977 | 21.28023 | 47.88337 | 14.24601 | 24.40399 | 49.31126 | 15.6739 | 23.6761 | 41.20551 | 7.56815 | 22.24185 | 43.83033 | 10.19297 | 56.01703 |
| 3/10/2025 | 3:00:00 PM | 33.63067 | 60.07642 | 26.44575 | 21.28425 | 47.85989 | 14.22922 | 24.42078 | 49.28987 | 15.6592 | 23.6908 | 41.21266 | 7.58199 | 22.22801 | 43.81603 | 10.18536 | 56.02464 |
| 3/10/2025 | 4:00:00 PM | 33.62064 | 60.05499 | 26.43435 | 21.29565 | 47.83306 | 14.21242 | 24.43758 | 49.27917 | 15.65853 | 23.69147 | 41.20551 | 7.58487 | 22.22513 | 43.80173 | 10.18109 | 56.02891 |
| 3/10/2025 | 5:00:00 PM | 33.57716 | 60.04071 | 26.46355 | 21.26645 | 47.81293 | 14.23577 | 24.41423 | 49.25065 | 15.67349 | 23.67651 | 41.19835 | 7.62119 | 22.18881 | 43.79816 | 10.221 | 55.989 |
| 3/10/2025 | 6:00:00 PM | 33.55041 | 60.02642 | 26.47601 | 21.25399 | 47.7861 | 14.23569 | 24.41431 | 49.24709 | 15.69668 | 23.65332 | 41.1912 | 7.64079 | 22.16921 | 43.79101 | 10.2406 | 55.9694 |
| 3/10/2025 | 7:00:00 PM | 33.55041 | 60.03357 | 26.48316 | 21.24684 | 47.79281 | 14.2424 | 24.4076 | 49.24352 | 15.69311 | 23.65689 | 41.20551 | 7.6551 | 22.1549 | 43.80531 | 10.2549 | 55.9551 |
| 3/10/2025 | 8:00:00 PM | 33.53369 | 60.01214 | 26.47845 | 21.25155 | 47.77604 | 14.24235 | 24.40765 | 49.23282 | 15.69913 | 23.65087 | 41.19477 | 7.66108 | 22.14892 | 43.79459 | 10.2609 | 55.9491 |
| 3/10/2025 | 9:00:00 PM | 33.52366 | 60.00857 | 26.48491 | 21.24509 | 47.75927 | 14.23561 | 24.41439 | 49.22213 | 15.69847 | 23.65153 | 41.19477 | 7.67111 | 22.13889 | 43.80173 | 10.27807 | 55.93193 |
| 3/10/2025 | 10:00:00 PM | 33.52032 | 60.005 | 26.48468 | 21.24532 | 47.7425 | 14.22218 | 24.42782 | 49.21143 | 15.69111 | 23.65889 | 41.1912 | 7.67088 | 22.13912 | 43.79101 | 10.27069 | 55.93931 |
| 3/10/2025 | 11:00:00 PM | 33.51028 | 59.98357 | 26.47329 | 21.25671 | 47.72238 | 14.2121 | 24.4379 | 49.19361 | 15.68333 | 23.66667 | 41.18046 | 7.67018 | 22.13982 | 43.77672 | 10.26644 | 55.94356 |
| 3/11/2025 | 12:00:00 AM | 33.50694 | 59.97643 | 26.46949 | 21.26051 | 47.70561 | 14.19867 | 24.45133 | 49.18648 | 15.67954 | 23.67046 | 41.17331 | 7.66637 | 22.14363 | 43.78386 | 10.27692 | 55.93308 |
| 3/11/2025 | 1:00:00 AM | 33.49022 | 59.96572 | 26.4755 | 21.2545 | 47.69219 | 14.20197 | 24.44803 | 49.17578 | 15.68556 | 23.66444 | 41.16257 | 7.67235 | 22.13765 | 43.77672 | 10.2865 | 55.9235 |
| 3/11/2025 | 2:00:00 AM | 33.49022 | 59.95501 | 26.46479 | 21.26521 | 47.68549 | 14.19527 | 24.45473 | 49.17221 | 15.68199 | 23.66801 | 41.16257 | 7.67235 | 22.13765 | 43.78029 | 10.29007 | 55.91993 |
| 3/11/2025 | 3:00:00 AM | 33.48019 | 59.94072 | 26.46053 | 21.26947 | 47.66201 | 14.18182 | 24.46818 | 49.16152 | 15.68133 | 23.66867 | 41.15542 | 7.67523 | 22.13477 | 43.78029 | 10.3001 | 55.9099 |
| 3/11/2025 | 4:00:00 AM | 33.47016 | 59.93001 | 26.45985 | 21.27015 | 47.64859 | 14.17843 | 24.47157 | 49.14726 | 15.6771 | 23.6729 | 41.14468 | 7.67452 | 22.13548 | 43.76957 | 10.29941 | 55.91059 |
| 3/11/2025 | 5:00:00 AM | 33.46681 | 59.91573 | 26.44892 | 21.28108 | 47.62512 | 14.15831 | 24.49169 | 49.12943 | 15.66262 | 23.68738 | 41.13395 | 7.66714 | 22.14286 | 43.75527 | 10.28846 | 55.92154 |
| 3/11/2025 | 6:00:00 AM | 33.46012 | 59.90501 | 26.44489 | 21.28511 | 47.61841 | 14.15829 | 24.49171 | 49.1223 | 15.66218 | 23.68782 | 41.13395 | 7.67383 | 22.13617 | 43.75885 | 10.29873 | 55.91127 |
| 3/11/2025 | 7:00:00 AM | 33.45678 | 59.89787 | 26.44109 | 21.28891 | 47.60499 | 14.14821 | 24.50179 | 49.1116 | 15.65482 | 23.69518 | 41.13395 | 7.67717 | 22.13283 | 43.766 | 10.30922 | 55.90078 |
| 3/11/2025 | 8:00:00 AM | 33.44675 | 59.88002 | 26.43327 | 21.29673 | 47.58822 | 14.14147 | 24.50853 | 49.10447 | 15.65772 | 23.69228 | 41.11606 | 7.66931 | 22.14069 | 43.7517 | 10.30495 | 55.90505 |
| 3/11/2025 | 9:00:00 AM | 33.45009 | 59.87645 | 26.42636 | 21.30364 | 47.57481 | 14.12472 | 24.52528 | 49.08665 | 15.63656 | 23.71344 | 41.10891 | 7.65882 | 22.15118 | 43.7517 | 10.30161 | 55.90839 |
| 3/11/2025 | 10:00:00 AM | 33.44675 | 59.87645 | 26.4297 | 21.3003 | 47.57481 | 14.12806 | 24.52194 | 49.09734 | 15.65059 | 23.69941 | 41.12322 | 7.67647 | 22.13353 | 43.75527 | 10.30852 | 55.90148 |
| 3/11/2025 | 11:00:00 AM | 33.45344 | 59.8693 | 26.41586 | 21.31414 | 47.5681 | 14.11466 | 24.53534 | 49.09734 | 15.6439 | 23.7061 | 41.12322 | 7.66978 | 22.14022 | 43.76957 | 10.31613 | 55.89387 |
| 3/11/2025 | 12:00:00 PM | 33.45678 | 59.86216 | 26.40538 | 21.32462 | 47.55469 | 14.09791 | 24.55209 | 49.07952 | 15.62274 | 23.72726 | 41.09817 | 7.64139 | 22.16861 | 43.75885 | 10.30207 | 55.90793 |
| 3/11/2025 | 1:00:00 PM | 33.45009 | 59.8336 | 26.38351 | 21.34649 | 47.52785 | 14.07776 | 24.57224 | 49.051 | 15.60091 | 23.74909 | 41.08028 | 7.63019 | 22.17981 | 43.74813 | 10.29804 | 55.91196 |
| 3/11/2025 | 2:00:00 PM | 33.4434 | 59.81574 | 26.37234 | 21.35766 | 47.50438 | 14.06098 | 24.58902 | 49.03317 | 15.58977 | 23.76023 | 41.07313 | 7.62973 | 22.18027 | 43.72668 | 10.28328 | 55.92672 |
| 3/11/2025 | 3:00:00 PM | 33.43337 | 59.78003 | 26.34666 | 21.38334 | 47.46413 | 14.03076 | 24.61924 | 48.99395 | 15.56058 | 23.78942 | 41.04451 | 7.61114 | 22.19886 | 43.69809 | 10.26472 | 55.94528 |
| 3/11/2025 | 4:00:00 PM | 33.42334 | 59.7479 | 26.32456 | 21.40544 | 47.43059 | 14.00725 | 24.64275 | 48.9583 | 15.53496 | 23.81504 | 41.02662 | 7.60328 | 22.20672 | 43.6838 | 10.26046 | 55.94954 |
| 3/11/2025 | 5:00:00 PM | 33.41665 | 59.73361 | 26.31696 | 21.41304 | 47.40041 | 13.98376 | 24.66624 | 48.94047 | 15.52382 | 23.82618 | 41.01588 | 7.59923 | 22.21077 | 43.68022 | 10.26357 | 55.94643 |
| 3/11/2025 | 6:00:00 PM | 33.40662 | 59.73718 | 26.33056 | 21.39944 | 47.39705 | 13.99043 | 24.65957 | 48.93691 | 15.53029 | 23.81971 | 41.0302 | 7.62358 | 22.18642 | 43.70167 | 10.29505 | 55.91495 |
| 3/11/2025 | 7:00:00 PM | 33.40996 | 59.74075 | 26.33079 | 21.39921 | 47.39705 | 13.98709 | 24.66291 | 48.94047 | 15.53051 | 23.81949 | 41.0302 | 7.62024 | 22.18976 | 43.70524 | 10.29528 | 55.91472 |
| 3/11/2025 | 8:00:00 PM | 33.39993 | 59.71933 | 26.3194 | 21.4106 | 47.37693 | 13.977 | 24.673 | 48.93334 | 15.53341 | 23.81659 | 41.01231 | 7.61238 | 22.19762 | 43.70167 | 10.30174 | 55.90826 |
| 3/11/2025 | 9:00:00 PM | 33.3899 | 59.71576 | 26.32586 | 21.40414 | 47.36687 | 13.97697 | 24.67303 | 48.91552 | 15.52562 | 23.82438 | 41.00873 | 7.61883 | 22.19117 | 43.69809 | 10.30819 | 55.90181 |
| 3/11/2025 | 10:00:00 PM | 33.3899 | 59.71219 | 26.32229 | 21.40771 | 47.36687 | 13.97697 | 24.67303 | 48.91908 | 15.52918 | 23.82082 | 41.00515 | 7.61525 | 22.19475 | 43.71239 | 10.32249 | 55.88751 |
| 3/11/2025 | 11:00:00 PM | 33.38321 | 59.70147 | 26.31826 | 21.41174 | 47.35345 | 13.97024 | 24.67976 | 48.91908 | 15.53587 | 23.81413 | 41.00157 | 7.61836 | 22.19164 | 43.70881 | 10.3256 | 55.8844 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/12/2025 | 12:00:00 AM | 33.37987 | 59.69433 | 26.31446 | 21.41554 | 47.3501 | 13.97023 | 24.67977 | 48.90125 | 15.52138 | 23.82862 | 40.99442 | 7.61455 | 22.19545 | 43.70524 | 10.32537 | 55.88463 |
| 3/12/2025 | 1:00:00 AM | 33.37652 | 59.68719 | 26.31067 | 21.41933 | 47.34339 | 13.96687 | 24.68313 | 48.89769 | 15.52117 | 23.82883 | 40.98726 | 7.61074 | 22.19926 | 43.70167 | 10.32515 | 55.88485 |
| 3/12/2025 | 2:00:00 AM | 33.37652 | 59.68005 | 26.30353 | 21.42647 | 47.33668 | 13.96016 | 24.68984 | 48.88699 | 15.51047 | 23.83953 | 40.96937 | 7.59285 | 22.21715 | 43.69094 | 10.31442 | 55.89558 |
| 3/12/2025 | 3:00:00 AM | 33.37318 | 59.65862 | 26.28544 | 21.44456 | 47.32327 | 13.95009 | 24.69991 | 48.87986 | 15.50668 | 23.84332 | 40.95506 | 7.58188 | 22.22812 | 43.68737 | 10.31419 | 55.89581 |
| 3/12/2025 | 4:00:00 AM | 33.36315 | 59.64791 | 26.28476 | 21.44524 | 47.29979 | 13.93664 | 24.71336 | 48.85134 | 15.48819 | 23.86181 | 40.94075 | 7.5776 | 22.2324 | 43.67307 | 10.30992 | 55.90008 |
| 3/12/2025 | 5:00:00 AM | 33.35646 | 59.64791 | 26.29145 | 21.43855 | 47.28973 | 13.93327 | 24.71673 | 48.84777 | 15.49131 | 23.85869 | 40.93717 | 7.58071 | 22.22929 | 43.67665 | 10.32019 | 55.88981 |
| 3/12/2025 | 6:00:00 AM | 33.35646 | 59.64434 | 26.28788 | 21.44212 | 47.28973 | 13.93327 | 24.71673 | 48.85134 | 15.49488 | 23.85512 | 40.94075 | 7.58429 | 22.22571 | 43.69094 | 10.33448 | 55.87552 |
| 3/12/2025 | 7:00:00 AM | 33.34977 | 59.6122 | 26.26243 | 21.46757 | 47.2629 | 13.91313 | 24.73687 | 48.82638 | 15.47661 | 23.87339 | 40.91928 | 7.56951 | 22.24049 | 43.67307 | 10.3233 | 55.8867 |
| 3/12/2025 | 8:00:00 AM | 33.33974 | 59.60863 | 26.26889 | 21.46111 | 47.24613 | 13.90639 | 24.74361 | 48.81925 | 15.47951 | 23.87049 | 40.91213 | 7.57239 | 22.23761 | 43.66235 | 10.32261 | 55.88739 |
| 3/12/2025 | 9:00:00 AM | 33.34977 | 59.60863 | 26.25886 | 21.47114 | 47.24948 | 13.89971 | 24.75029 | 48.81569 | 15.46592 | 23.88408 | 40.90497 | 7.5552 | 22.2548 | 43.6695 | 10.31973 | 55.89027 |
| 3/12/2025 | 10:00:00 AM | 33.3598 | 59.6372 | 26.2774 | 21.4526 | 47.27631 | 13.91651 | 24.73349 | 48.84421 | 15.48441 | 23.86559 | 40.93002 | 7.57022 | 22.23978 | 43.70881 | 10.34901 | 55.86099 |
| 3/12/2025 | 11:00:00 AM | 33.36315 | 59.61577 | 26.25262 | 21.47738 | 47.27296 | 13.90981 | 24.74019 | 48.84421 | 15.48106 | 23.86894 | 40.91928 | 7.55613 | 22.25387 | 43.69094 | 10.32779 | 55.88221 |
| 3/12/2025 | 12:00:00 PM | 33.36984 | 59.62649 | 26.25665 | 21.47335 | 47.27631 | 13.90647 | 24.74353 | 48.84064 | 15.4708 | 23.8792 | 40.90497 | 7.53513 | 22.27487 | 43.69809 | 10.32825 | 55.88175 |
| 3/12/2025 | 1:00:00 PM | 33.36649 | 59.60506 | 26.23857 | 21.49143 | 47.26625 | 13.89976 | 24.75024 | 48.82638 | 15.45989 | 23.89011 | 40.88351 | 7.51702 | 22.29298 | 43.6838 | 10.31731 | 55.89269 |
| 3/12/2025 | 2:00:00 PM | 33.36315 | 59.58006 | 26.21691 | 21.51309 | 47.23607 | 13.87292 | 24.77708 | 48.80143 | 15.43828 | 23.91172 | 40.86562 | 7.50247 | 22.30753 | 43.6552 | 10.29205 | 55.91795 |
| 3/12/2025 | 3:00:00 PM | 33.36984 | 59.57649 | 26.20665 | 21.52335 | 47.23607 | 13.86623 | 24.78377 | 48.80856 | 15.43872 | 23.91128 | 40.86562 | 7.49578 | 22.31422 | 43.65878 | 10.28894 | 55.92106 |
| 3/12/2025 | 4:00:00 PM | 33.36984 | 59.56221 | 26.19237 | 21.53763 | 47.2193 | 13.84946 | 24.80054 | 48.79073 | 15.42089 | 23.92911 | 40.85488 | 7.48504 | 22.32496 | 43.64091 | 10.27107 | 55.93893 |
| 3/12/2025 | 5:00:00 PM | 33.36315 | 59.55864 | 26.19549 | 21.53451 | 47.20253 | 13.83938 | 24.81062 | 48.7729 | 15.40975 | 23.94025 | 40.85131 | 7.48816 | 22.32184 | 43.64448 | 10.28133 | 55.92867 |
| 3/12/2025 | 6:00:00 PM | 33.2762 | 59.52293 | 26.24673 | 21.48327 | 47.1757 | 13.8995 | 24.7505 | 48.74438 | 15.46818 | 23.88182 | 40.83699 | 7.56079 | 22.24921 | 43.61947 | 10.34327 | 55.86673 |
| 3/12/2025 | 7:00:00 PM | 33.26952 | 59.53007 | 26.26055 | 21.46945 | 47.16899 | 13.89947 | 24.75053 | 48.74082 | 15.4713 | 23.8787 | 40.82626 | 7.55674 | 22.25326 | 43.61589 | 10.34637 | 55.86363 |
| 3/12/2025 | 8:00:00 PM | 33.25948 | 59.51222 | 26.25274 | 21.47726 | 47.15222 | 13.89274 | 24.75726 | 48.71586 | 15.45638 | 23.89362 | 40.81553 | 7.55605 | 22.25395 | 43.60517 | 10.34569 | 55.86431 |
| 3/12/2025 | 9:00:00 PM | 33.24945 | 59.50508 | 26.25563 | 21.47437 | 47.14887 | 13.89942 | 24.75058 | 48.71229 | 15.46284 | 23.88716 | 40.81195 | 7.5625 | 22.2475 | 43.60874 | 10.35929 | 55.85071 |
| 3/12/2025 | 10:00:00 PM | 33.25614 | 59.51579 | 26.25965 | 21.47035 | 47.15222 | 13.89608 | 24.75392 | 48.71943 | 15.46329 | 23.88671 | 40.80837 | 7.55223 | 22.25777 | 43.61589 | 10.35975 | 55.85025 |
| 3/12/2025 | 11:00:00 PM | 33.24276 | 59.49436 | 26.2516 | 21.4784 | 47.12874 | 13.88598 | 24.76402 | 48.70516 | 15.4624 | 23.8876 | 40.78691 | 7.54415 | 22.26585 | 43.59445 | 10.35169 | 55.85831 |
| 3/13/2025 | 12:00:00 AM | 33.23273 | 59.48365 | 26.25092 | 21.47908 | 47.1321 | 13.89937 | 24.75063 | 48.68734 | 15.45461 | 23.89539 | 40.79048 | 7.55775 | 22.25225 | 43.60517 | 10.37244 | 55.83756 |
| 3/13/2025 | 1:00:00 AM | 33.22604 | 59.48722 | 26.26118 | 21.46882 | 47.12539 | 13.89935 | 24.75065 | 48.69447 | 15.46843 | 23.88157 | 40.78333 | 7.55729 | 22.25271 | 43.6016 | 10.37556 | 55.83444 |
| 3/13/2025 | 2:00:00 AM | 33.2227 | 59.49436 | 26.27166 | 21.45834 | 47.13545 | 13.91275 | 24.73725 | 48.69803 | 15.47533 | 23.87467 | 40.78691 | 7.56421 | 22.24579 | 43.61589 | 10.39319 | 55.81681 |
| 3/13/2025 | 3:00:00 AM | 33.23273 | 59.5015 | 26.26877 | 21.46123 | 47.16564 | 13.93291 | 24.71709 | 48.71586 | 15.48313 | 23.86687 | 40.79406 | 7.56133 | 22.24867 | 43.62304 | 10.39031 | 55.81969 |
| 3/13/2025 | 4:00:00 AM | 33.24276 | 59.51579 | 26.27303 | 21.45697 | 47.1824 | 13.93964 | 24.71036 | 48.73725 | 15.49449 | 23.85551 | 40.79048 | 7.54772 | 22.26228 | 43.64448 | 10.40172 | 55.80828 |
| 3/13/2025 | 5:00:00 AM | 33.2528 | 59.54436 | 26.29156 | 21.43844 | 47.2193 | 13.9665 | 24.6835 | 48.76934 | 15.51654 | 23.83346 | 40.79406 | 7.54126 | 22.26874 | 43.66593 | 10.41313 | 55.79687 |
| 3/13/2025 | 6:00:00 AM | 33.26952 | 59.58006 | 26.31054 | 21.41946 | 47.26625 | 13.99673 | 24.65327 | 48.82638 | 15.55686 | 23.79314 | 40.80837 | 7.53885 | 22.27115 | 43.70524 | 10.43572 | 55.77428 |
| 3/13/2025 | 7:00:00 AM | 33.27286 | 59.59078 | 26.31792 | 21.41208 | 47.30985 | 14.03699 | 24.61301 | 48.85491 | 15.58205 | 23.76795 | 40.81911 | 7.54625 | 22.26375 | 43.70524 | 10.43238 | 55.77762 |
| 3/13/2025 | 8:00:00 AM | 33.2762 | 59.61577 | 26.33957 | 21.39043 | 47.33668 | 14.06048 | 24.58952 | 48.88343 | 15.60723 | 23.74277 | 40.81553 | 7.53933 | 22.27067 | 43.72311 | 10.44691 | 55.76309 |
| 3/13/2025 | 9:00:00 AM | 33.28958 | 59.63006 | 26.34048 | 21.38952 | 47.36351 | 14.07393 | 24.57607 | 48.91552 | 15.62594 | 23.72406 | 40.81911 | 7.52953 | 22.28047 | 43.71953 | 10.42995 | 55.78005 |
| 3/13/2025 | 10:00:00 AM | 33.30296 | 59.65148 | 26.34852 | 21.38148 | 47.40041 | 14.09745 | 24.55255 | 48.94404 | 15.64108 | 23.70892 | 40.82626 | 7.5233 | 22.2867 | 43.73383 | 10.43087 | 55.77913 |
| 3/13/2025 | 11:00:00 AM | 33.30964 | 59.66219 | 26.35255 | 21.37745 | 47.42724 | 14.1176 | 24.5324 | 48.97256 | 15.66292 | 23.68708 | 40.81553 | 7.50589 | 22.30411 | 43.73026 | 10.42062 | 55.78938 |
| 3/13/2025 | 12:00:00 PM | 33.31968 | 59.65148 | 26.3318 | 21.3982 | 47.43059 | 14.11091 | 24.53909 | 48.96899 | 15.64931 | 23.70069 | 40.81195 | 7.49227 | 22.31773 | 43.71239 | 10.39271 | 55.81729 |
| 3/13/2025 | 1:00:00 PM | 33.32971 | 59.63363 | 26.30392 | 21.42608 | 47.42388 | 14.09417 | 24.55583 | 48.97256 | 15.64285 | 23.70715 | 40.79764 | 7.46793 | 22.34207 | 43.68737 | 10.35766 | 55.85234 |
| 3/13/2025 | 2:00:00 PM | 33.34308 | 59.63006 | 26.28698 | 21.44302 | 47.41718 | 14.0741 | 24.5759 | 48.96186 | 15.61878 | 23.73122 | 40.78333 | 7.44025 | 22.36975 | 43.66235 | 10.31927 | 55.89073 |
| 3/13/2025 | 3:00:00 PM | 33.35646 | 59.6372 | 26.28074 | 21.44926 | 47.4373 | 14.08084 | 24.56916 | 48.98326 | 15.6268 | 23.7232 | 40.80122 | 7.44476 | 22.36524 | 43.67665 | 10.32019 | 55.88981 |
| 3/13/2025 | 4:00:00 PM | 33.34308 | 59.64791 | 26.30483 | 21.42517 | 47.44401 | 14.10093 | 24.54907 | 48.99039 | 15.64731 | 23.70269 | 40.80479 | 7.46171 | 22.34829 | 43.66593 | 10.32285 | 55.88715 |
| 3/13/2025 | 5:00:00 PM | 33.34308 | 59.64791 | 26.30483 | 21.42517 | 47.44736 | 14.10428 | 24.54572 | 48.99039 | 15.64731 | 23.70269 | 40.80122 | 7.45814 | 22.35186 | 43.66593 | 10.32285 | 55.88715 |
| 3/13/2025 | 6:00:00 PM | 33.34308 | 59.65148 | 26.3084 | 21.4216 | 47.45742 | 14.11434 | 24.53566 | 49.00465 | 15.66157 | 23.68843 | 40.81553 | 7.47245 | 22.33755 | 43.66235 | 10.31927 | 55.89073 |
| 3/13/2025 | 7:00:00 PM | 33.34643 | 59.68005 | 26.33362 | 21.39638 | 47.4809 | 14.13447 | 24.51553 | 49.0403 | 15.69387 | 23.65613 | 40.82626 | 7.47983 | 22.33017 | 43.69094 | 10.34451 | 55.86549 |
| 3/13/2025 | 8:00:00 PM | 33.34308 | 59.66576 | 26.32268 | 21.40732 | 47.4809 | 14.13782 | 24.51218 | 49.04386 | 15.70078 | 23.64922 | 40.81195 | 7.46887 | 22.34113 | 43.67665 | 10.33357 | 55.87643 |
| 3/13/2025 | 9:00:00 PM | 33.33974 | 59.69433 | 26.35459 | 21.37541 | 47.50102 | 14.16128 | 24.48872 | 49.06526 | 15.72552 | 23.62448 | 40.82626 | 7.48652 | 22.32348 | 43.6838 | 10.34406 | 55.86594 |
| 3/13/2025 | 10:00:00 PM | 33.3364 | 59.70147 | 26.36507 | 21.36493 | 47.51779 | 14.18139 | 24.46861 | 49.06882 | 15.73242 | 23.61758 | 40.82626 | 7.48986 | 22.32014 | 43.67307 | 10.33667 | 55.87333 |
| 3/13/2025 | 11:00:00 PM | 33.33305 | 59.70147 | 26.36842 | 21.36158 | 47.5245 | 14.19145 | 24.45855 | 49.08665 | 15.7536 | 23.5964 | 40.81195 | 7.4789 | 22.3311 | 43.6695 | 10.33645 | 55.87355 |
| 3/14/2025 | 12:00:00 AM | 33.33305 | 59.70504 | 26.37199 | 21.35801 | 47.5245 | 14.19145 | 24.45855 | 49.09378 | 15.76073 | 23.58927 | 40.81553 | 7.48248 | 22.32752 | 43.65878 | 10.32573 | 55.88427 |
| 3/14/2025 | 1:00:00 AM | 33.32971 | 59.69076 | 26.36105 | 21.36895 | 47.52115 | 14.19144 | 24.45856 | 49.08308 | 15.75337 | 23.59663 | 40.81553 | 7.48582 | 22.32418 | 43.64806 | 10.31835 | 55.89165 |
| 3/14/2025 | 2:00:00 AM | 33.32636 | 59.67291 | 26.34655 | 21.38345 | 47.51779 | 14.19143 | 24.45857 | 49.08308 | 15.75672 | 23.59328 | 40.80837 | 7.48201 | 22.32799 | 43.63019 | 10.30383 | 55.90617 |
| 3/14/2025 | 3:00:00 AM | 33.31968 | 59.68005 | 26.36037 | 21.36963 | 47.51779 | 14.19811 | 24.45189 | 49.07952 | 15.75984 | 23.59016 | 40.80837 | 7.48869 | 22.32131 | 43.61947 | 10.29979 | 55.91021 |
| 3/14/2025 | 4:00:00 AM | 33.31299 | 59.67648 | 26.36349 | 21.36651 | 47.52115 | 14.20816 | 24.44184 | 49.08308 | 15.77009 | 23.57991 | 40.80837 | 7.49538 | 22.31462 | 43.61947 | 10.30648 | 55.90352 |
| 3/14/2025 | 5:00:00 AM | 33.31299 | 59.67291 | 26.35992 | 21.37008 | 47.51444 | 14.20145 | 24.44855 | 49.07952 | 15.76653 | 23.58347 | 40.80837 | 7.49538 | 22.31462 | 43.61589 | 10.3029 | 55.9071 |
| 3/14/2025 | 6:00:00 AM | 33.30296 | 59.66576 | 26.3628 | 21.3672 | 47.51779 | 14.21483 | 24.43517 | 49.08665 | 15.78369 | 23.56631 | 40.80479 | 7.50183 | 22.30817 | 43.61232 | 10.30936 | 55.90064 |
| 3/14/2025 | 7:00:00 AM | 33.2762 | 59.66219 | 26.38599 | 21.34401 | 47.51444 | 14.23824 | 24.41176 | 49.08665 | 15.81045 | 23.53955 | 40.80479 | 7.52859 | 22.28141 | 43.59802 | 10.32182 | 55.88818 |
| 3/14/2025 | 8:00:00 AM | 33.27286 | 59.65148 | 26.37862 | 21.35138 | 47.50102 | 14.22816 | 24.42184 | 49.08308 | 15.81022 | 23.53978 | 40.80837 | 7.53551 | 22.27449 | 43.59087 | 10.31801 | 55.89199 |
| 3/14/2025 | 9:00:00 AM | 33.26952 | 59.64791 | 26.37839 | 21.35161 | 47.4809 | 14.21138 | 24.43862 | 49.06882 | 15.7993 | 23.5507 | 40.79048 | 7.52096 | 22.28904 | 43.58015 | 10.31063 | 55.89937 |
| 3/14/2025 | 10:00:00 AM | 33.26952 | 59.62291 | 26.35339 | 21.37661 | 47.47084 | 14.20132 | 24.44868 | 49.06169 | 15.79217 | 23.55783 | 40.79048 | 7.52096 | 22.28904 | 43.56943 | 10.29991 | 55.91009 |
| 3/14/2025 | 11:00:00 AM | 33.28289 | 59.62291 | 26.34002 | 21.38998 | 47.45072 | 14.16783 | 24.48217 | 49.06169 | 15.7788 | 23.5712 | 40.79048 | 7.50759 | 22.30241 | 43.56943 | 10.28654 | 55.92346 |
| 3/14/2025 | 12:00:00 PM | 33.28958 | 59.60149 | 26.31191 | 21.41809 | 47.43395 | 14.14437 | 24.50563 | 49.051 | 15.76142 | 23.58858 | 40.78333 | 7.49375 | 22.31625 | 43.55156 | 10.26198 | 55.94802 |
| 3/14/2025 | 1:00:00 PM | 33.32636 | 59.58006 | 26.2537 | 21.4763 | 47.41047 | 14.08411 | 24.56589 | 49.0296 | 15.70324 | 23.64676 | 40.77259 | 7.44623 | 22.36377 | 43.54084 | 10.21448 | 55.99552 |
| 3/14/2025 | 2:00:00 PM | 33.31968 | 59.56935 | 26.24967 | 21.48033 | 47.37693 | 14.05725 | 24.59275 | 49.01178 | 15.6921 | 23.6579 | 40.75828 | 7.4386 | 22.3714 | 43.52297 | 10.20329 | 56.00671 |
| 3/14/2025 | 3:00:00 PM | 33.31633 | 59.56221 | 26.24588 | 21.48412 | 47.37358 | 14.05725 | 24.59275 | 49.01891 | 15.70258 | 23.64742 | 40.77259 | 7.45626 | 22.35374 | 43.52297 | 10.20664 | 56.00336 |
| 3/14/2025 | 4:00:00 PM | 33.31968 | 59.55864 | 26.23896 | 21.49104 | 47.37358 | 14.0539 | 24.5961 | 49.02247 | 15.70279 | 23.64721 | 40.76902 | 7.44934 | 22.36066 | 43.53369 | 10.21401 | 55.99599 |
| 3/14/2025 | 5:00:00 PM | 33.30964 | 59.57292 | 26.26328 | 21.46672 | 47.37022 | 14.06058 | 24.58942 | 49.01891 | 15.70927 | 23.64073 | 40.77617 | 7.46653 | 22.34347 | 43.54799 | 10.23835 | 55.97165 |
| 3/14/2025 | 6:00:00 PM | 33.3063 | 59.56935 | 26.26305 | 21.46695 | 47.36351 | 14.05721 | 24.59279 | 49.03317 | 15.72687 | 23.62313 | 40.77617 | 7.46987 | 22.34013 | 43.54799 | 10.24169 | 55.96831 |
| 3/14/2025 | 7:00:00 PM | 33.30296 | 59.56935 | 26.26639 | 21.46361 | 47.36351 | 14.06055 | 24.58945 | 49.0296 | 15.72664 | 23.62336 | 40.77617 | 7.47321 | 22.33679 | 43.55514 | 10.25218 | 55.95782 |
| 3/14/2025 | 8:00:00 PM | 33.29961 | 59.57292 | 26.27331 | 21.45669 | 47.36351 | 14.0639 | 24.5861 | 49.04386 | 15.74425 | 23.60575 | 40.78333 | 7.48372 | 22.32628 | 43.56228 | 10.26267 | 55.94733 |
| 3/14/2025 | 9:00:00 PM | 33.29961 | 59.58363 | 26.28402 | 21.44598 | 47.37358 | 14.07397 | 24.57603 | 49.05456 | 15.75495 | 23.59505 | 40.78333 | 7.48372 | 22.32628 | 43.57658 | 10.27697 | 55.93303 |
| 3/14/2025 | 10:00:00 PM | 33.29292 | 59.56578 | 26.27286 | 21.45714 | 47.36351 | 14.07059 | 24.57941 | 49.03317 | 15.74025 | 23.60975 | 40.76902 | 7.4761 | 22.3339 | 43.55514 | 10.26222 | 55.94778 |
| 3/14/2025 | 11:00:00 PM | 33.27955 | 59.55507 | 26.27552 | 21.45448 | 47.33668 | 14.05713 | 24.59287 | 49.02247 | 15.74292 | 23.60708 | 40.75828 | 7.47873 | 22.33127 | 43.54441 | 10.26486 | 55.94514 |
| 3/15/2025 | 12:00:00 AM | 33.27955 | 59.5515 | 26.27195 | 21.45805 | 47.33668 | 14.05713 | 24.59287 | 49.02247 | 15.74292 | 23.60708 | 40.75828 | 7.47873 | 22.33127 | 43.54441 | 10.26486 | 55.94514 |
| 3/15/2025 | 1:00:00 AM | 33.27286 | 59.54078 | 26.26792 | 21.46208 | 47.31991 | 14.04705 | 24.60295 | 49.01534 | 15.74248 | 23.60752 | 40.74755 | 7.47469 | 22.33531 | 43.52297 | 10.25011 | 55.95989 |
| 3/15/2025 | 2:00:00 AM | 33.26617 | 59.52293 | 26.25676 | 21.47324 | 47.30314 | 14.03697 | 24.61303 | 49.00465 | 15.73848 | 23.61152 | 40.74397 | 7.4778 | 22.3322 | 43.51582 | 10.24965 | 55.96035 |
| 3/15/2025 | 3:00:00 AM | 33.25948 | 59.51936 | 26.25988 | 21.47012 | 47.29644 | 14.03696 | 24.61304 | 48.99039 | 15.73091 | 23.61909 | 40.73682 | 7.47734 | 22.33266 | 43.5194 | 10.25992 | 55.95008 |
| 3/15/2025 | 4:00:00 AM | 33.24945 | 59.51579 | 26.26634 | 21.46366 | 47.28302 | 14.03357 | 24.61643 | 48.98326 | 15.73381 | 23.61619 | 40.74039 | 7.49094 | 22.31906 | 43.5194 | 10.26995 | 55.94005 |
| 3/15/2025 | 5:00:00 AM | 33.26283 | 59.53364 | 26.27081 | 21.45919 | 47.29979 | 14.03696 | 24.61304 | 49.00465 | 15.74182 | 23.60818 | 40.74755 | 7.48472 | 22.32528 | 43.54084 | 10.27801 | 55.93199 |
| 3/15/2025 | 6:00:00 AM | 33.26283 | 59.53364 | 26.27081 | 21.45919 | 47.3065 | 14.04367 | 24.60633 | 49.01178 | 15.74895 | 23.60105 | 40.75113 | 7.4883 | 22.3217 | 43.54799 | 10.28516 | 55.92484 |
| 3/15/2025 | 7:00:00 AM | 33.26952 | 59.55507 | 26.28555 | 21.44445 | 47.32998 | 14.06046 | 24.58954 | 49.0403 | 15.77078 | 23.57922 | 40.75828 | 7.48876 | 22.32124 | 43.56586 | 10.29634 | 55.91366 |
| 3/15/2025 | 8:00:00 AM | 33.2762 | 59.58363 | 26.30743 | 21.42257 | 47.35681 | 14.08061 | 24.56939 | 49.06526 | 15.78906 | 23.56094 | 40.76902 | 7.49282 | 22.31718 | 43.59087 | 10.31467 | 55.89533 |
| 3/15/2025 | 9:00:00 AM | 33.29292 | 59.60863 | 26.31571 | 21.41429 | 47.38699 | 14.09407 | 24.55593 | 49.09734 | 15.80442 | 23.54558 | 40.77259 | 7.47967 | 22.33033 | 43.60874 | 10.31582 | 55.89418 |
| 3/15/2025 | 10:00:00 AM | 33.31633 | 59.6372 | 26.32087 | 21.40913 | 47.43059 | 14.11426 | 24.53574 | 49.14013 | 15.8238 | 23.5262 | 40.79406 | 7.47773 | 22.33227 | 43.63733 | 10.321 | 55.889 |
| 3/15/2025 | 11:00:00 AM | 33.32971 | 59.65505 | 26.32534 | 21.40466 | 47.47084 | 14.14113 | 24.50887 | 49.17221 | 15.8425 | 23.5075 | 40.79406 | 7.46435 | 22.34565 | 43.64806 | 10.31835 | 55.89165 |
| 3/15/2025 | 12:00:00 PM | 33.3364 | 59.66576 | 26.32936 | 21.40064 | 47.49096 | 14.15456 | 24.49544 | 49.19361 | 15.85721 | 23.49279 | 40.79048 | 7.45408 | 22.35592 | 43.64448 | 10.30808 | 55.90192 |
| 3/15/2025 | 1:00:00 PM | 33.35312 | 59.67648 | 26.32336 | 21.40664 | 47.52115 | 14.16803 | 24.48197 | 49.21143 | 15.85831 | 23.49169 | 40.80479 | 7.45167 | 22.35833 | 43.65163 | 10.29851 | 55.91149 |
| 3/15/2025 | 2:00:00 PM | 33.36984 | 59.68005 | 26.31021 | 21.41979 | 47.54127 | 14.17143 | 24.47857 | 49.23282 | 15.86298 | 23.48702 | 40.79764 | 7.4278 | 22.3822 | 43.64091 | 10.27107 | 55.93893 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/15/2025 | 3:00:00 PM | 33.37987 | 59.69076 | 26.31089 | 21.41911 | 47.54462 | 14.16475 | 24.48525 | 49.23995 | 15.86008 | 23.48992 | 40.79406 | 7.41419 | 22.39581 | 43.63019 | 10.25032 | 55.95968 |
| 3/15/2025 | 4:00:00 PM | 33.37652 | 59.69433 | 26.31781 | 21.41219 | 47.5681 | 14.19158 | 24.45842 | 49.25422 | 15.8777 | 23.4723 | 40.79406 | 7.41754 | 22.39246 | 43.62304 | 10.24652 | 55.96348 |
| 3/15/2025 | 5:00:00 PM | 33.37987 | 59.6979 | 26.31803 | 21.41197 | 47.57481 | 14.19494 | 24.45506 | 49.26135 | 15.88148 | 23.46852 | 40.78691 | 7.40704 | 22.40296 | 43.61589 | 10.23602 | 55.97398 |
| 3/15/2025 | 6:00:00 PM | 33.38321 | 59.70147 | 26.31826 | 21.41174 | 47.58822 | 14.20501 | 24.44499 | 49.26848 | 15.88527 | 23.46473 | 40.79406 | 7.41085 | 22.39915 | 43.61232 | 10.22911 | 55.98089 |
| 3/15/2025 | 7:00:00 PM | 33.37987 | 59.69076 | 26.31089 | 21.41911 | 47.57145 | 14.19158 | 24.45842 | 49.26135 | 15.88148 | 23.46852 | 40.78333 | 7.40346 | 22.40654 | 43.59802 | 10.21815 | 55.99185 |
| 3/15/2025 | 8:00:00 PM | 33.36984 | 59.67648 | 26.30664 | 21.42336 | 47.56139 | 14.19155 | 24.45845 | 49.23995 | 15.87011 | 23.47989 | 40.78333 | 7.41349 | 22.39651 | 43.573 | 10.20316 | 56.00684 |
| 3/15/2025 | 9:00:00 PM | 33.3598 | 59.65862 | 26.29882 | 21.43118 | 47.54462 | 14.18482 | 24.46518 | 49.23639 | 15.87659 | 23.47341 | 40.77617 | 7.41637 | 22.39363 | 43.55156 | 10.19176 | 56.01824 |
| 3/15/2025 | 10:00:00 PM | 33.34977 | 59.64434 | 26.29457 | 21.43543 | 47.5245 | 14.17473 | 24.47527 | 49.23995 | 15.89018 | 23.45982 | 40.77617 | 7.4264 | 22.3836 | 43.54799 | 10.19822 | 56.01178 |
| 3/15/2025 | 11:00:00 PM | 33.34977 | 59.64791 | 26.29814 | 21.43186 | 47.52115 | 14.17138 | 24.47862 | 49.22213 | 15.87236 | 23.47764 | 40.78333 | 7.43356 | 22.37644 | 43.54441 | 10.19464 | 56.01536 |
| 3/16/2025 | 12:00:00 AM | 33.34308 | 59.65862 | 26.31554 | 21.41446 | 47.51779 | 14.17471 | 24.47529 | 49.23282 | 15.88974 | 23.46026 | 40.78691 | 7.44383 | 22.36617 | 43.54799 | 10.20491 | 56.00509 |
| 3/16/2025 | 1:00:00 AM | 33.33305 | 59.63363 | 26.30058 | 21.42942 | 47.49096 | 14.15791 | 24.49209 | 49.215 | 15.88195 | 23.46805 | 40.77975 | 7.4467 | 22.3633 | 43.52654 | 10.19349 | 56.01651 |
| 3/16/2025 | 2:00:00 AM | 33.32302 | 59.61934 | 26.29632 | 21.43368 | 47.47419 | 14.15117 | 24.49883 | 49.19004 | 15.86702 | 23.48298 | 40.76544 | 7.44242 | 22.36758 | 43.5051 | 10.18208 | 56.02792 |
| 3/16/2025 | 3:00:00 AM | 33.30964 | 59.60506 | 26.29542 | 21.43458 | 47.45072 | 14.14108 | 24.50892 | 49.17935 | 15.86971 | 23.48029 | 40.76902 | 7.45938 | 22.35062 | 43.49795 | 10.18831 | 56.02169 |
| 3/16/2025 | 4:00:00 AM | 33.30296 | 59.60863 | 26.30567 | 21.42433 | 47.4373 | 14.13434 | 24.51566 | 49.17221 | 15.86925 | 23.48075 | 40.76902 | 7.46606 | 22.34394 | 43.5051 | 10.20214 | 56.00786 |
| 3/16/2025 | 5:00:00 AM | 33.31299 | 59.63363 | 26.32064 | 21.40936 | 47.45072 | 14.13773 | 24.51227 | 49.20074 | 15.88775 | 23.46225 | 40.79048 | 7.47749 | 22.33251 | 43.52654 | 10.21355 | 55.99645 |
| 3/16/2025 | 6:00:00 AM | 33.31633 | 59.64077 | 26.32444 | 21.40556 | 47.47084 | 14.15451 | 24.49549 | 49.22213 | 15.9058 | 23.4442 | 40.80479 | 7.48846 | 22.32154 | 43.54799 | 10.23166 | 55.97834 |
| 3/16/2025 | 7:00:00 AM | 33.32636 | 59.65862 | 26.33226 | 21.39774 | 47.49096 | 14.1646 | 24.4854 | 49.24352 | 15.91716 | 23.43284 | 40.81195 | 7.48559 | 22.32441 | 43.56943 | 10.24307 | 55.96693 |
| 3/16/2025 | 8:00:00 AM | 33.3364 | 59.67291 | 26.33651 | 21.39349 | 47.51444 | 14.17804 | 24.47196 | 49.26848 | 15.93208 | 23.41792 | 40.80837 | 7.47197 | 22.33803 | 43.59087 | 10.25447 | 55.95553 |
| 3/16/2025 | 9:00:00 AM | 33.34977 | 59.6979 | 26.34813 | 21.38187 | 47.54127 | 14.1915 | 24.4585 | 49.297 | 15.94723 | 23.40277 | 40.82268 | 7.47291 | 22.33709 | 43.6016 | 10.25183 | 55.95817 |
| 3/16/2025 | 10:00:00 AM | 33.35312 | 59.70862 | 26.3555 | 21.3745 | 47.55804 | 14.20492 | 24.44508 | 49.31839 | 15.96527 | 23.38473 | 40.82626 | 7.47314 | 22.33686 | 43.61947 | 10.26635 | 55.94365 |
| 3/16/2025 | 11:00:00 AM | 33.37318 | 59.73718 | 26.364 | 21.366 | 47.58487 | 14.21169 | 24.43831 | 49.35048 | 15.9773 | 23.3727 | 40.83699 | 7.46381 | 22.34619 | 43.63376 | 10.26058 | 55.94942 |
| 3/16/2025 | 12:00:00 PM | 33.38656 | 59.75504 | 26.36848 | 21.36152 | 47.62512 | 14.23856 | 24.41144 | 49.379 | 15.99244 | 23.35756 | 40.84415 | 7.45759 | 22.35241 | 43.64448 | 10.25792 | 55.95208 |
| 3/16/2025 | 1:00:00 PM | 33.39993 | 59.75147 | 26.35154 | 21.37846 | 47.62847 | 14.22854 | 24.42146 | 49.379 | 15.97907 | 23.37093 | 40.84057 | 7.44064 | 22.36936 | 43.63376 | 10.23383 | 55.97617 |
| 3/16/2025 | 2:00:00 PM | 33.43003 | 59.74432 | 26.31429 | 21.41571 | 47.62512 | 14.19509 | 24.45491 | 49.37187 | 15.94184 | 23.40816 | 40.82268 | 7.39265 | 22.41735 | 43.60874 | 10.17871 | 56.03129 |
| 3/16/2025 | 3:00:00 PM | 33.43672 | 59.73004 | 26.29332 | 21.43668 | 47.61506 | 14.17834 | 24.47166 | 49.37187 | 15.93515 | 23.41485 | 40.81911 | 7.38239 | 22.42761 | 43.58373 | 10.14701 | 56.06299 |
| 3/16/2025 | 4:00:00 PM | 33.43003 | 59.73004 | 26.30001 | 21.42999 | 47.61506 | 14.18503 | 24.46497 | 49.37187 | 15.94184 | 23.40816 | 40.82268 | 7.39265 | 22.41735 | 43.58373 | 10.1537 | 56.0563 |
| 3/16/2025 | 5:00:00 PM | 33.43003 | 59.7479 | 26.31787 | 21.41213 | 47.63182 | 14.20179 | 24.44821 | 49.3897 | 15.95967 | 23.39033 | 40.82984 | 7.39981 | 22.41019 | 43.5873 | 10.15727 | 56.05273 |
| 3/16/2025 | 6:00:00 PM | 33.43337 | 59.75861 | 26.32524 | 21.40476 | 47.6553 | 14.22193 | 24.42807 | 49.39683 | 15.96346 | 23.38654 | 40.84773 | 7.41436 | 22.39564 | 43.60517 | 10.1718 | 56.0382 |
| 3/16/2025 | 7:00:00 PM | 33.4434 | 59.79075 | 26.34735 | 21.38265 | 47.68884 | 14.24544 | 24.40456 | 49.44318 | 15.99978 | 23.35022 | 40.87277 | 7.42937 | 22.38063 | 43.63376 | 10.19036 | 56.01964 |
| 3/16/2025 | 8:00:00 PM | 33.45009 | 59.81931 | 26.36922 | 21.36078 | 47.71903 | 14.26894 | 24.38106 | 49.4717 | 16.02161 | 23.32839 | 40.88351 | 7.43342 | 22.37658 | 43.64806 | 10.19797 | 56.01203 |
| 3/16/2025 | 9:00:00 PM | 33.45344 | 59.83003 | 26.37659 | 21.35341 | 47.7358 | 14.28236 | 24.36764 | 49.49665 | 16.04321 | 23.30679 | 40.89066 | 7.43722 | 22.37278 | 43.64806 | 10.19462 | 56.01538 |
| 3/16/2025 | 10:00:00 PM | 33.45678 | 59.84788 | 26.3911 | 21.3389 | 47.75256 | 14.29578 | 24.35422 | 49.51448 | 16.0577 | 23.2923 | 40.89066 | 7.43388 | 22.37612 | 43.6552 | 10.19842 | 56.01158 |
| 3/16/2025 | 11:00:00 PM | 33.45344 | 59.85502 | 26.40158 | 21.32842 | 47.76598 | 14.31254 | 24.33746 | 49.52518 | 16.07174 | 23.27826 | 40.88708 | 7.43364 | 22.37636 | 43.64806 | 10.19462 | 56.01538 |
| 3/17/2025 | 12:00:00 AM | 33.46347 | 59.8693 | 26.40583 | 21.32417 | 47.78275 | 14.31928 | 24.33072 | 49.543 | 16.07953 | 23.27047 | 40.90497 | 7.4415 | 22.3685 | 43.66235 | 10.19888 | 56.01112 |
| 3/17/2025 | 1:00:00 AM | 33.44675 | 59.86216 | 26.41541 | 21.31459 | 47.78946 | 14.34271 | 24.30729 | 49.55013 | 16.10338 | 23.24662 | 40.90497 | 7.45822 | 22.35178 | 43.64448 | 10.19773 | 56.01227 |
| 3/17/2025 | 2:00:00 AM | 33.44675 | 59.87645 | 26.4297 | 21.3003 | 47.80623 | 14.35948 | 24.29052 | 49.56083 | 16.11408 | 23.23592 | 40.90855 | 7.4618 | 22.3482 | 43.64448 | 10.19773 | 56.01227 |
| 3/17/2025 | 3:00:00 AM | 33.43672 | 59.89073 | 26.45401 | 21.27599 | 47.81629 | 14.37957 | 24.27043 | 49.58222 | 16.1455 | 23.2045 | 40.91928 | 7.48256 | 22.32744 | 43.64806 | 10.21134 | 55.99866 |
| 3/17/2025 | 4:00:00 AM | 33.4434 | 59.90501 | 26.46161 | 21.26839 | 47.83306 | 14.38966 | 24.26034 | 49.59292 | 16.14952 | 23.20048 | 40.93002 | 7.48662 | 22.32338 | 43.65163 | 10.20823 | 56.00177 |
| 3/17/2025 | 5:00:00 AM | 33.4434 | 59.90858 | 26.46518 | 21.26482 | 47.84647 | 14.40307 | 24.24693 | 49.60718 | 16.16378 | 23.18622 | 40.93717 | 7.49377 | 22.31623 | 43.65878 | 10.21538 | 55.99462 |
| 3/17/2025 | 6:00:00 AM | 33.4434 | 59.93358 | 26.49018 | 21.23982 | 47.86995 | 14.42655 | 24.22345 | 49.62857 | 16.18517 | 23.16483 | 40.95148 | 7.50808 | 22.30192 | 43.66593 | 10.22253 | 55.98747 |
| 3/17/2025 | 7:00:00 AM | 33.45344 | 59.94072 | 26.48728 | 21.24272 | 47.88001 | 14.42657 | 24.22343 | 49.6464 | 16.19296 | 23.15704 | 40.94791 | 7.49447 | 22.31553 | 43.67307 | 10.21963 | 55.99037 |
| 3/17/2025 | 8:00:00 AM | 33.46012 | 59.95143 | 26.49131 | 21.23869 | 47.89343 | 14.43331 | 24.21669 | 49.66422 | 16.2041 | 23.1459 | 40.96937 | 7.50925 | 22.30075 | 43.68022 | 10.2201 | 55.9899 |
| 3/17/2025 | 9:00:00 AM | 33.47016 | 59.96929 | 26.49913 | 21.23087 | 47.90684 | 14.43668 | 24.21332 | 49.68561 | 16.21545 | 23.13455 | 40.97653 | 7.50637 | 22.30363 | 43.6838 | 10.21364 | 55.99636 |
| 3/17/2025 | 10:00:00 AM | 33.48688 | 59.98714 | 26.50026 | 21.22974 | 47.92697 | 14.44009 | 24.20991 | 49.69274 | 16.20586 | 23.14414 | 40.98726 | 7.50038 | 22.30962 | 43.68737 | 10.20049 | 56.00951 |
| 3/17/2025 | 11:00:00 AM | 33.49691 | 60.00857 | 26.51166 | 21.21834 | 47.95044 | 14.45353 | 24.19647 | 49.72483 | 16.22792 | 23.12208 | 40.998 | 7.50109 | 22.30891 | 43.70167 | 10.20476 | 56.00524 |
| 3/17/2025 | 12:00:00 PM | 33.51028 | 60.01214 | 26.50186 | 21.22814 | 47.96051 | 14.45023 | 24.19977 | 49.73553 | 16.22525 | 23.12475 | 41.00157 | 7.49129 | 22.31871 | 43.69809 | 10.18781 | 56.02219 |
| 3/17/2025 | 1:00:00 PM | 33.5571 | 60.01214 | 26.45504 | 21.27496 | 47.96386 | 14.40676 | 24.24324 | 49.74266 | 16.18556 | 23.16444 | 41.00157 | 7.44447 | 22.36553 | 43.6838 | 10.1267 | 56.0833 |
| 3/17/2025 | 2:00:00 PM | 33.51363 | 60.02999 | 26.51636 | 21.21364 | 47.99069 | 14.47706 | 24.17294 | 49.75335 | 16.23972 | 23.11028 | 41.00515 | 7.49152 | 22.31848 | 43.6838 | 10.17017 | 56.03983 |
| 3/17/2025 | 3:00:00 PM | 33.51697 | 60.03714 | 26.52017 | 21.20983 | 47.9974 | 14.48043 | 24.16957 | 49.76048 | 16.24351 | 23.10649 | 41.01231 | 7.49534 | 22.31466 | 43.68022 | 10.16325 | 56.04675 |
| 3/17/2025 | 4:00:00 PM | 33.54372 | 60.04428 | 26.50056 | 21.22944 | 48.00411 | 14.46039 | 24.18961 | 49.77118 | 16.22746 | 23.12254 | 41.01946 | 7.47574 | 22.33426 | 43.68737 | 10.14365 | 56.06635 |
| 3/17/2025 | 5:00:00 PM | 33.54038 | 60.05856 | 26.51818 | 21.21182 | 48.02423 | 14.48385 | 24.16615 | 49.78544 | 16.24506 | 23.10494 | 41.0302 | 7.48982 | 22.32018 | 43.68737 | 10.14699 | 56.06301 |
| 3/17/2025 | 6:00:00 PM | 33.55041 | 60.06927 | 26.51886 | 21.21114 | 48.03764 | 14.48723 | 24.16277 | 49.7997 | 16.24929 | 23.10071 | 41.03735 | 7.48694 | 22.32306 | 43.69809 | 10.14768 | 56.06232 |
| 3/17/2025 | 7:00:00 PM | 33.55041 | 60.08356 | 26.53315 | 21.19685 | 48.05777 | 14.50736 | 24.14264 | 49.81753 | 16.26712 | 23.08288 | 41.05882 | 7.50841 | 22.30159 | 43.71239 | 10.16198 | 56.04802 |
| 3/17/2025 | 8:00:00 PM | 33.55376 | 60.10855 | 26.55479 | 21.17521 | 48.08795 | 14.53419 | 24.11581 | 49.84605 | 16.29229 | 23.05771 | 41.07313 | 7.51937 | 22.29063 | 43.72311 | 10.16935 | 56.04065 |
| 3/17/2025 | 9:00:00 PM | 33.57048 | 60.12998 | 26.5595 | 21.1705 | 48.11478 | 14.5443 | 24.1057 | 49.87101 | 16.30053 | 23.04947 | 41.08744 | 7.51696 | 22.29304 | 43.72311 | 10.15263 | 56.05737 |
| 3/17/2025 | 10:00:00 PM | 33.5872 | 60.14783 | 26.56063 | 21.16937 | 48.13826 | 14.55106 | 24.09894 | 49.89596 | 16.30876 | 23.04124 | 41.10891 | 7.52171 | 22.28829 | 43.74455 | 10.15735 | 56.05265 |
| 3/17/2025 | 11:00:00 PM | 33.62732 | 60.16212 | 26.5348 | 21.1952 | 48.16174 | 14.53442 | 24.11558 | 49.91736 | 16.29004 | 23.05996 | 41.11248 | 7.48516 | 22.32484 | 43.7517 | 10.12438 | 56.08562 |
| 3/18/2025 | 12:00:00 AM | 33.63067 | 60.16926 | 26.53859 | 21.19141 | 48.17851 | 14.54784 | 24.10216 | 49.93518 | 16.30451 | 23.04549 | 41.11248 | 7.48181 | 22.32819 | 43.74813 | 10.11746 | 56.09254 |
| 3/18/2025 | 1:00:00 AM | 33.63401 | 60.1764 | 26.54239 | 21.18761 | 48.18857 | 14.55456 | 24.09544 | 49.94944 | 16.31543 | 23.03457 | 41.12322 | 7.48921 | 22.32079 | 43.7517 | 10.11769 | 56.09231 |
| 3/18/2025 | 2:00:00 AM | 33.68083 | 60.20497 | 26.52414 | 21.20586 | 48.20869 | 14.52786 | 24.12214 | 49.97084 | 16.29001 | 23.05999 | 41.14111 | 7.46028 | 22.34972 | 43.74813 | 10.0673 | 56.1427 |
| 3/18/2025 | 3:00:00 AM | 33.71092 | 60.21211 | 26.50119 | 21.22881 | 48.22882 | 14.5179 | 24.1321 | 49.98866 | 16.27774 | 23.07226 | 41.15184 | 7.44092 | 22.36908 | 43.766 | 10.05508 | 56.15492 |
| 3/18/2025 | 4:00:00 AM | 33.72764 | 60.23353 | 26.50589 | 21.22411 | 48.25229 | 14.52465 | 24.12535 | 50.02431 | 16.29667 | 23.05333 | 41.17331 | 7.44567 | 22.36433 | 43.78386 | 10.05622 | 56.15378 |
| 3/18/2025 | 5:00:00 AM | 33.74771 | 60.25853 | 26.51082 | 21.21918 | 48.27912 | 14.53141 | 24.11859 | 50.05284 | 16.30513 | 23.04487 | 41.18762 | 7.43991 | 22.37009 | 43.79101 | 10.0433 | 56.1667 |
| 3/18/2025 | 6:00:00 AM | 33.76443 | 60.27996 | 26.51553 | 21.21447 | 48.3026 | 14.53817 | 24.11183 | 50.07779 | 16.31336 | 23.03664 | 41.20909 | 7.44466 | 22.36534 | 43.80173 | 10.0373 | 56.1727 |
| 3/18/2025 | 7:00:00 AM | 33.81124 | 60.30138 | 26.49014 | 21.23986 | 48.31937 | 14.50813 | 24.14187 | 50.09918 | 16.28794 | 23.06206 | 41.21982 | 7.40858 | 22.40142 | 43.80888 | 9.99764 | 56.21236 |
| 3/18/2025 | 8:00:00 AM | 33.81793 | 60.31566 | 26.49773 | 21.23227 | 48.33614 | 14.51821 | 24.13179 | 50.11345 | 16.29552 | 23.05448 | 41.21982 | 7.40189 | 22.40811 | 43.81603 | 9.9981 | 56.2119 |
| 3/18/2025 | 9:00:00 AM | 33.85472 | 60.33352 | 26.4788 | 21.2512 | 48.36297 | 14.50825 | 24.14175 | 50.1384 | 16.28368 | 23.06632 | 41.24129 | 7.38657 | 22.42343 | 43.82675 | 9.97203 | 56.23797 |
| 3/18/2025 | 10:00:00 AM | 33.87144 | 60.36209 | 26.49065 | 21.23935 | 48.38645 | 14.51501 | 24.13499 | 50.17762 | 16.30618 | 23.04382 | 41.2556 | 7.38416 | 22.42584 | 43.84462 | 9.97318 | 56.23682 |
| 3/18/2025 | 11:00:00 AM | 33.89819 | 60.3728 | 26.47461 | 21.25539 | 48.39651 | 14.49832 | 24.15168 | 50.18475 | 16.28656 | 23.06344 | 41.26275 | 7.36456 | 22.44544 | 43.84462 | 9.94643 | 56.26357 |
| 3/18/2025 | 12:00:00 PM | 33.91825 | 60.38351 | 26.46526 | 21.26474 | 48.40657 | 14.48832 | 24.16168 | 50.19545 | 16.2772 | 23.0728 | 41.27349 | 7.35524 | 22.45476 | 43.8482 | 9.92995 | 56.28005 |
| 3/18/2025 | 1:00:00 PM | 33.93497 | 60.37994 | 26.44497 | 21.28503 | 48.40322 | 14.46825 | 24.18175 | 50.19188 | 16.25691 | 23.09309 | 41.26991 | 7.33494 | 22.47506 | 43.82318 | 9.88821 | 56.32179 |
| 3/18/2025 | 2:00:00 PM | 33.96172 | 60.3728 | 26.41108 | 21.31892 | 48.39316 | 14.43144 | 24.21856 | 50.17762 | 16.2159 | 23.1341 | 41.26275 | 7.30103 | 22.50897 | 43.80173 | 9.84001 | 56.36999 |
| 3/18/2025 | 3:00:00 PM | 33.9751 | 60.37994 | 26.40484 | 21.32516 | 48.38645 | 14.41135 | 24.23865 | 50.17762 | 16.20252 | 23.14748 | 41.27706 | 7.30196 | 22.50804 | 43.79816 | 9.82306 | 56.38694 |
| 3/18/2025 | 4:00:00 PM | 33.96172 | 60.36923 | 26.40751 | 21.32249 | 48.36968 | 14.40796 | 24.24204 | 50.16336 | 16.20164 | 23.14836 | 41.2878 | 7.32608 | 22.48392 | 43.78386 | 9.82214 | 56.38786 |
| 3/18/2025 | 5:00:00 PM | 33.945 | 60.3728 | 26.4278 | 21.3022 | 48.36297 | 14.41797 | 24.23203 | 50.15623 | 16.21123 | 23.13877 | 41.29495 | 7.34995 | 22.46005 | 43.79101 | 9.84601 | 56.36399 |
| 3/18/2025 | 6:00:00 PM | 33.94835 | 60.38351 | 26.43516 | 21.29484 | 48.35962 | 14.41127 | 24.23873 | 50.1491 | 16.20075 | 23.14925 | 41.30926 | 7.36091 | 22.44909 | 43.78744 | 9.83909 | 56.37091 |
| 3/18/2025 | 7:00:00 PM | 33.945 | 60.39422 | 26.44922 | 21.28078 | 48.36297 | 14.41797 | 24.23203 | 50.1491 | 16.2041 | 23.1459 | 41.32 | 7.375 | 22.435 | 43.80173 | 9.85673 | 56.35327 |
| 3/18/2025 | 8:00:00 PM | 33.93832 | 60.39065 | 26.45233 | 21.27767 | 48.35291 | 14.41459 | 24.23541 | 50.1491 | 16.21078 | 23.13922 | 41.33431 | 7.39599 | 22.41401 | 43.80173 | 9.86341 | 56.34659 |
| 3/18/2025 | 9:00:00 PM | 33.93163 | 60.40137 | 26.46974 | 21.26026 | 48.35626 | 14.42463 | 24.22537 | 50.14553 | 16.2139 | 23.1361 | 41.34146 | 7.40983 | 22.40017 | 43.80173 | 9.8701 | 56.3399 |
| 3/18/2025 | 10:00:00 PM | 33.93497 | 60.41208 | 26.47711 | 21.25289 | 48.35962 | 14.42465 | 24.22535 | 50.15623 | 16.22126 | 23.12874 | 41.35578 | 7.42081 | 22.38919 | 43.81246 | 9.87749 | 56.33251 |
| 3/18/2025 | 11:00:00 PM | 33.92828 | 60.41208 | 26.4838 | 21.2462 | 48.35626 | 14.42798 | 24.22202 | 50.15623 | 16.22795 | 23.12205 | 41.36651 | 7.43823 | 22.37177 | 43.82318 | 9.8949 | 56.3151 |
| 3/19/2025 | 12:00:00 AM | 33.91825 | 60.41565 | 26.4974 | 21.2326 | 48.35291 | 14.43466 | 24.21534 | 50.14197 | 16.22372 | 23.12628 | 41.35935 | 7.4411 | 22.3689 | 43.81603 | 9.89778 | 56.31222 |
| 3/19/2025 | 1:00:00 AM | 33.90488 | 60.40137 | 26.49649 | 21.23351 | 48.32608 | 14.4212 | 24.2288 | 50.12058 | 16.2157 | 23.1343 | 41.35578 | 7.4509 | 22.3591 | 43.79816 | 9.89328 | 56.31672 |
| 3/19/2025 | 2:00:00 AM | 33.89819 | 60.38708 | 26.48889 | 21.24111 | 48.3026 | 14.40441 | 24.24559 | 50.09562 | 16.19743 | 23.15257 | 41.34504 | 7.44685 | 22.36315 | 43.78029 | 9.8821 | 56.3279 |
| 3/19/2025 | 3:00:00 AM | 33.88481 | 60.37637 | 26.49156 | 21.23844 | 48.27912 | 14.39431 | 24.25569 | 50.07423 | 16.18942 | 23.16058 | 41.34862 | 7.46381 | 22.34619 | 43.76957 | 9.88476 | 56.32524 |
| 3/19/2025 | 4:00:00 AM | 33.86809 | 60.35494 | 26.48685 | 21.24315 | 48.24894 | 14.38085 | 24.26915 | 50.04571 | 16.17762 | 23.17238 | 41.34862 | 7.48053 | 22.32947 | 43.75885 | 9.89076 | 56.31924 |
| 3/19/2025 | 5:00:00 AM | 33.8614 | 60.34423 | 26.48283 | 21.24717 | 48.22546 | 14.36406 | 24.28594 | 50.02075 | 16.15935 | 23.19065 | 41.34504 | 7.48364 | 22.32636 | 43.74813 | 9.88673 | 56.32327 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/19/2025 | 6:00:00 AM | 33.84468 | 60.32638 | 26.4817 | 21.2483 | 48.19528 | 14.3506 | 24.2994 | 49.99223 | 16.14755 | 23.20245 | 41.33789 | 7.49321 | 22.31679 | 43.74098 | 9.8963 | 56.3137 |
| 3/19/2025 | 7:00:00 AM | 33.82796 | 60.29781 | 26.46985 | 21.26015 | 48.14497 | 14.31701 | 24.33299 | 49.95301 | 16.12505 | 23.22495 | 41.33431 | 7.50635 | 22.30365 | 43.72668 | 9.89872 | 56.31128 |
| 3/19/2025 | 8:00:00 AM | 33.81793 | 60.28353 | 26.4656 | 21.2644 | 48.11814 | 14.30021 | 24.34979 | 49.91736 | 16.09943 | 23.25057 | 41.33431 | 7.51638 | 22.29362 | 43.71239 | 9.89446 | 56.31554 |
| 3/19/2025 | 9:00:00 AM | 33.80456 | 60.26567 | 26.46111 | 21.26889 | 48.0846 | 14.28004 | 24.36996 | 49.88883 | 16.08427 | 23.26573 | 41.33073 | 7.52617 | 22.28383 | 43.70881 | 9.90425 | 56.30575 |
| 3/19/2025 | 10:00:00 AM | 33.8079 | 60.24782 | 26.43992 | 21.29008 | 48.05441 | 14.24651 | 24.40349 | 49.85318 | 16.04528 | 23.30472 | 41.33789 | 7.52999 | 22.28001 | 43.70167 | 9.89377 | 56.31623 |
| 3/19/2025 | 11:00:00 AM | 33.79118 | 60.23353 | 26.44235 | 21.28765 | 48.02758 | 14.2364 | 24.4136 | 49.82822 | 16.03704 | 23.31296 | 41.33073 | 7.53955 | 22.27045 | 43.70167 | 9.91049 | 56.29951 |
| 3/19/2025 | 12:00:00 PM | 33.80456 | 60.21925 | 26.41469 | 21.31531 | 48.00411 | 14.19955 | 24.45045 | 49.82109 | 16.01653 | 23.33347 | 41.34146 | 7.5369 | 22.2731 | 43.71596 | 9.9114 | 56.2986 |
| 3/19/2025 | 1:00:00 PM | 33.7778 | 60.17283 | 26.39503 | 21.33497 | 47.95044 | 14.17264 | 24.47736 | 49.76761 | 15.98981 | 23.36019 | 41.30926 | 7.53146 | 22.27854 | 43.67307 | 9.89527 | 56.31473 |
| 3/19/2025 | 2:00:00 PM | 33.76108 | 60.13712 | 26.37604 | 21.35396 | 47.90349 | 14.14241 | 24.50759 | 49.71057 | 15.94949 | 23.40051 | 41.29495 | 7.53387 | 22.27613 | 43.65878 | 9.8977 | 56.3123 |
| 3/19/2025 | 3:00:00 PM | 33.73768 | 60.1157 | 26.37802 | 21.35198 | 47.84983 | 14.11215 | 24.53785 | 49.66422 | 15.92654 | 23.42346 | 41.29137 | 7.55369 | 22.25631 | 43.64448 | 9.9068 | 56.3032 |
| 3/19/2025 | 4:00:00 PM | 33.72096 | 60.07999 | 26.35903 | 21.37097 | 47.80623 | 14.08527 | 24.56473 | 49.61787 | 15.89691 | 23.45309 | 41.28064 | 7.55968 | 22.25032 | 43.62661 | 9.90565 | 56.30435 |
| 3/19/2025 | 5:00:00 PM | 33.71092 | 60.07642 | 26.3655 | 21.3645 | 47.78275 | 14.07183 | 24.57817 | 49.58935 | 15.87843 | 23.47157 | 41.28064 | 7.56972 | 22.24028 | 43.63733 | 9.92641 | 56.28359 |
| 3/19/2025 | 6:00:00 PM | 33.70758 | 60.0657 | 26.35812 | 21.37188 | 47.75927 | 14.05169 | 24.59831 | 49.57509 | 15.86751 | 23.48249 | 41.2878 | 7.58022 | 22.22978 | 43.66235 | 9.95477 | 56.25523 |
| 3/19/2025 | 7:00:00 PM | 33.71427 | 60.07999 | 26.36572 | 21.36428 | 47.76263 | 14.04836 | 24.60164 | 49.58935 | 15.87508 | 23.47492 | 41.31284 | 7.59857 | 22.21143 | 43.69452 | 9.98025 | 56.22975 |
| 3/19/2025 | 8:00:00 PM | 33.70758 | 60.07999 | 26.37241 | 21.35759 | 47.75256 | 14.04498 | 24.60502 | 49.56796 | 15.86038 | 23.48962 | 41.30926 | 7.60168 | 22.20832 | 43.70524 | 9.99766 | 56.21234 |
| 3/19/2025 | 9:00:00 PM | 33.71092 | 60.09784 | 26.38692 | 21.34308 | 47.76263 | 14.05171 | 24.59829 | 49.58579 | 15.87487 | 23.47513 | 41.32357 | 7.61265 | 22.19735 | 43.7374 | 10.02648 | 56.18352 |
| 3/19/2025 | 10:00:00 PM | 33.71427 | 60.09784 | 26.38357 | 21.34643 | 47.7794 | 14.06513 | 24.58487 | 49.60005 | 15.88578 | 23.46422 | 41.32 | 7.60573 | 22.20427 | 43.7517 | 10.03743 | 56.17257 |
| 3/19/2025 | 11:00:00 PM | 33.71427 | 60.09784 | 26.38357 | 21.34643 | 47.7794 | 14.06513 | 24.58487 | 49.60361 | 15.88934 | 23.46066 | 41.31284 | 7.59857 | 22.21143 | 43.766 | 10.05173 | 56.15827 |
| 3/20/2025 | 12:00:00 AM | 33.71761 | 60.10855 | 26.39094 | 21.33906 | 47.79281 | 14.0752 | 24.5748 | 49.60718 | 15.88957 | 23.46043 | 41.31642 | 7.59881 | 22.21119 | 43.77672 | 10.05911 | 56.15089 |
| 3/20/2025 | 1:00:00 AM | 33.7243 | 60.11927 | 26.39497 | 21.33503 | 47.81293 | 14.08863 | 24.56137 | 49.62857 | 15.90427 | 23.44573 | 41.32715 | 7.60285 | 22.20715 | 43.80173 | 10.07743 | 56.13257 |
| 3/20/2025 | 2:00:00 AM | 33.73433 | 60.13355 | 26.39922 | 21.33078 | 47.83306 | 14.09873 | 24.55127 | 49.64283 | 15.9085 | 23.4415 | 41.32357 | 7.58924 | 22.22076 | 43.8196 | 10.08527 | 56.12473 |
| 3/20/2025 | 3:00:00 AM | 33.73433 | 60.13355 | 26.39922 | 21.33078 | 47.83977 | 14.10544 | 24.54456 | 49.6464 | 15.91207 | 23.43793 | 41.31642 | 7.58209 | 22.22791 | 43.82675 | 10.09242 | 56.11758 |
| 3/20/2025 | 4:00:00 AM | 33.73099 | 60.14426 | 26.41327 | 21.31673 | 47.84312 | 14.11213 | 24.53787 | 49.6464 | 15.91541 | 23.43459 | 41.31284 | 7.58185 | 22.22815 | 43.8196 | 10.08861 | 56.12139 |
| 3/20/2025 | 5:00:00 AM | 33.6942 | 60.12641 | 26.43221 | 21.29779 | 47.83977 | 14.14557 | 24.50443 | 49.6357 | 15.9415 | 23.4085 | 41.30211 | 7.60791 | 22.20209 | 43.80888 | 10.11468 | 56.09532 |
| 3/20/2025 | 6:00:00 AM | 33.6942 | 60.13355 | 26.43935 | 21.29065 | 47.84647 | 14.15227 | 24.49773 | 49.64283 | 15.94863 | 23.40137 | 41.30926 | 7.61506 | 22.19494 | 43.8196 | 10.1254 | 56.0846 |
| 3/20/2025 | 7:00:00 AM | 33.69755 | 60.14426 | 26.44671 | 21.28329 | 47.85989 | 14.16234 | 24.48766 | 49.6464 | 15.94885 | 23.40115 | 41.31642 | 7.61887 | 22.19113 | 43.83033 | 10.13278 | 56.07722 |
| 3/20/2025 | 8:00:00 AM | 33.70424 | 60.16926 | 26.46502 | 21.26498 | 47.89007 | 14.18583 | 24.46417 | 49.67492 | 15.97068 | 23.37932 | 41.33431 | 7.63007 | 22.17993 | 43.85892 | 10.15468 | 56.05532 |
| 3/20/2025 | 9:00:00 AM | 33.7243 | 60.16926 | 26.44496 | 21.28504 | 47.90014 | 14.17584 | 24.47416 | 49.68918 | 15.96488 | 23.38512 | 41.33073 | 7.60643 | 22.20357 | 43.85892 | 10.13462 | 56.07538 |
| 3/20/2025 | 10:00:00 AM | 33.72764 | 60.18354 | 26.4559 | 21.2741 | 47.92026 | 14.19262 | 24.45738 | 49.69274 | 15.9651 | 23.3849 | 41.33431 | 7.60667 | 22.20333 | 43.86606 | 10.13842 | 56.07158 |
| 3/20/2025 | 11:00:00 AM | 33.73768 | 60.17997 | 26.44229 | 21.28771 | 47.9102 | 14.17252 | 24.47748 | 49.69274 | 15.95506 | 23.39494 | 41.33073 | 7.59305 | 22.21695 | 43.86249 | 10.12481 | 56.08519 |
| 3/20/2025 | 12:00:00 PM | 33.74771 | 60.19068 | 26.44297 | 21.28703 | 47.93703 | 14.18932 | 24.46068 | 49.70344 | 15.95573 | 23.39427 | 41.33431 | 7.5866 | 22.2234 | 43.87321 | 10.1255 | 56.0845 |
| 3/20/2025 | 1:00:00 PM | 33.75105 | 60.18354 | 26.43249 | 21.29751 | 47.92697 | 14.17592 | 24.47408 | 49.69274 | 15.94169 | 23.40831 | 41.32715 | 7.5761 | 22.2339 | 43.86249 | 10.11144 | 56.09856 |
| 3/20/2025 | 2:00:00 PM | 33.74102 | 60.15855 | 26.41753 | 21.31247 | 47.9102 | 14.16918 | 24.48082 | 49.67848 | 15.93746 | 23.41254 | 41.30926 | 7.56824 | 22.24176 | 43.83747 | 10.09645 | 56.11355 |
| 3/20/2025 | 3:00:00 PM | 33.74102 | 60.14426 | 26.40324 | 21.32676 | 47.89343 | 14.15241 | 24.49759 | 49.64283 | 15.90181 | 23.44819 | 41.29495 | 7.55393 | 22.25607 | 43.80888 | 10.06786 | 56.14214 |
| 3/20/2025 | 4:00:00 PM | 33.73433 | 60.12998 | 26.39565 | 21.33435 | 47.85989 | 14.12556 | 24.52444 | 49.625 | 15.89067 | 23.45933 | 41.2878 | 7.55347 | 22.25653 | 43.79459 | 10.06026 | 56.14974 |
| 3/20/2025 | 5:00:00 PM | 33.7243 | 60.10498 | 26.38068 | 21.34932 | 47.83977 | 14.11547 | 24.53453 | 49.59292 | 15.86862 | 23.48138 | 41.28064 | 7.55634 | 22.25366 | 43.77672 | 10.05242 | 56.15758 |
| 3/20/2025 | 6:00:00 PM | 33.70758 | 60.08356 | 26.37598 | 21.35402 | 47.80958 | 14.102 | 24.548 | 49.56439 | 15.85681 | 23.49319 | 41.26991 | 7.56233 | 22.24767 | 43.766 | 10.05842 | 56.15158 |
| 3/20/2025 | 7:00:00 PM | 33.70089 | 60.06927 | 26.36838 | 21.36162 | 47.78946 | 14.08857 | 24.56143 | 49.55013 | 15.84924 | 23.50076 | 41.28064 | 7.57975 | 22.23025 | 43.75885 | 10.05796 | 56.15204 |
| 3/20/2025 | 8:00:00 PM | 33.68417 | 60.05142 | 26.36725 | 21.36275 | 47.76263 | 14.07846 | 24.57154 | 49.51805 | 15.83388 | 23.51612 | 41.27349 | 7.58932 | 22.22068 | 43.74813 | 10.06396 | 56.14604 |
| 3/20/2025 | 9:00:00 PM | 33.68752 | 60.05499 | 26.36747 | 21.36253 | 47.75256 | 14.06504 | 24.58496 | 49.50735 | 15.81983 | 23.53017 | 41.27706 | 7.58954 | 22.22046 | 43.75527 | 10.06775 | 56.14225 |
| 3/20/2025 | 10:00:00 PM | 33.67748 | 60.04785 | 26.37037 | 21.35963 | 47.7425 | 14.06502 | 24.58498 | 49.49309 | 15.81561 | 23.53439 | 41.27349 | 7.59601 | 22.21399 | 43.75885 | 10.08137 | 56.12863 |
| 3/20/2025 | 11:00:00 PM | 33.67414 | 60.04071 | 26.36657 | 21.36343 | 47.73244 | 14.0583 | 24.5917 | 49.48239 | 15.80825 | 23.54175 | 41.26633 | 7.59219 | 22.21781 | 43.76242 | 10.08828 | 56.12172 |
| 3/21/2025 | 12:00:00 AM | 33.6708 | 60.02999 | 26.35919 | 21.37081 | 47.70896 | 14.03816 | 24.61184 | 49.46457 | 15.79377 | 23.55623 | 41.25917 | 7.58837 | 22.22163 | 43.7517 | 10.0809 | 56.1291 |
| 3/21/2025 | 1:00:00 AM | 33.65742 | 59.99429 | 26.33687 | 21.39313 | 47.67543 | 14.01801 | 24.63199 | 49.42535 | 15.76793 | 23.58207 | 41.24129 | 7.58387 | 22.22613 | 43.73383 | 10.07641 | 56.13359 |
| 3/21/2025 | 2:00:00 AM | 33.66076 | 60.01214 | 26.35138 | 21.37862 | 47.68549 | 14.02473 | 24.62527 | 49.43604 | 15.77528 | 23.57472 | 41.25917 | 7.59841 | 22.21159 | 43.75527 | 10.09451 | 56.11549 |
| 3/21/2025 | 3:00:00 AM | 33.66745 | 60.04428 | 26.37683 | 21.35317 | 47.70896 | 14.04151 | 24.60849 | 49.46457 | 15.79712 | 23.55288 | 41.28422 | 7.61677 | 22.19323 | 43.79816 | 10.13071 | 56.07929 |
| 3/21/2025 | 4:00:00 AM | 33.6942 | 60.0657 | 26.3715 | 21.3585 | 47.73244 | 14.03824 | 24.61176 | 49.48596 | 15.79176 | 23.55824 | 41.2878 | 7.5936 | 22.2164 | 43.8196 | 10.1254 | 56.0846 |
| 3/21/2025 | 5:00:00 AM | 33.70089 | 60.06213 | 26.36124 | 21.36876 | 47.74921 | 14.04832 | 24.60168 | 49.48952 | 15.78863 | 23.56137 | 41.28422 | 7.58333 | 22.22667 | 43.82675 | 10.12586 | 56.08414 |
| 3/21/2025 | 6:00:00 AM | 33.6942 | 60.0657 | 26.3715 | 21.3585 | 47.75256 | 14.05836 | 24.59164 | 49.49309 | 15.79889 | 23.55111 | 41.26991 | 7.57571 | 22.23429 | 43.83033 | 10.13613 | 56.07387 |
| 3/21/2025 | 7:00:00 AM | 33.69755 | 60.06927 | 26.37172 | 21.35828 | 47.75927 | 14.06172 | 24.58828 | 49.50378 | 15.80623 | 23.54377 | 41.27349 | 7.57594 | 22.23406 | 43.8339 | 10.13635 | 56.07365 |
| 3/21/2025 | 8:00:00 AM | 33.70424 | 60.06927 | 26.36503 | 21.36497 | 47.76933 | 14.06509 | 24.58491 | 49.49665 | 15.79241 | 23.55759 | 41.27349 | 7.56925 | 22.24075 | 43.83033 | 10.12609 | 56.08391 |
| 3/21/2025 | 9:00:00 AM | 33.69755 | 60.05499 | 26.35744 | 21.37256 | 47.76263 | 14.06508 | 24.58492 | 49.48596 | 15.78841 | 23.56159 | 41.25202 | 7.55447 | 22.25553 | 43.81603 | 10.11848 | 56.09152 |
| 3/21/2025 | 10:00:00 AM | 33.70758 | 60.04785 | 26.34027 | 21.38973 | 47.76933 | 14.06175 | 24.58825 | 49.48952 | 15.78194 | 23.56806 | 41.24844 | 7.54086 | 22.26914 | 43.82318 | 10.1156 | 56.0944 |
| 3/21/2025 | 11:00:00 AM | 33.71427 | 60.04785 | 26.33358 | 21.39642 | 47.75927 | 14.045 | 24.605 | 49.48596 | 15.77169 | 23.57831 | 41.25202 | 7.53775 | 22.27225 | 43.81246 | 10.09819 | 56.11181 |
| 3/21/2025 | 12:00:00 PM | 33.71761 | 60.05142 | 26.33381 | 21.39619 | 47.76598 | 14.04837 | 24.60163 | 49.48596 | 15.76835 | 23.58165 | 41.25917 | 7.54156 | 22.26844 | 43.81603 | 10.09842 | 56.11158 |
| 3/21/2025 | 1:00:00 PM | 33.71761 | 60.04071 | 26.3231 | 21.4069 | 47.75927 | 14.04166 | 24.60834 | 49.48239 | 15.76478 | 23.58522 | 41.25202 | 7.53441 | 22.27559 | 43.80531 | 10.0877 | 56.1223 |
| 3/21/2025 | 2:00:00 PM | 33.70758 | 60.02285 | 26.31527 | 21.41473 | 47.73244 | 14.02486 | 24.62514 | 49.45744 | 15.74986 | 23.60014 | 41.23771 | 7.53013 | 22.27987 | 43.78744 | 10.07986 | 56.13014 |
| 3/21/2025 | 3:00:00 PM | 33.70089 | 59.98 | 26.27911 | 21.45089 | 47.71232 | 14.01143 | 24.63857 | 49.42535 | 15.72446 | 23.62554 | 41.21982 | 7.51893 | 22.29107 | 43.75527 | 10.05438 | 56.15562 |
| 3/21/2025 | 4:00:00 PM | 33.69086 | 59.97286 | 26.282 | 21.448 | 47.67878 | 13.98792 | 24.66208 | 49.3897 | 15.69884 | 23.65116 | 41.21624 | 7.52538 | 22.28462 | 43.7374 | 10.04654 | 56.16346 |
| 3/21/2025 | 5:00:00 PM | 33.67748 | 59.95143 | 26.27395 | 21.45605 | 47.63853 | 13.96105 | 24.68895 | 49.37543 | 15.69795 | 23.65205 | 41.20551 | 7.52803 | 22.28197 | 43.73383 | 10.05635 | 56.15365 |
| 3/21/2025 | 6:00:00 PM | 33.66411 | 59.93001 | 26.2659 | 21.4641 | 47.61841 | 13.9543 | 24.6957 | 49.33265 | 15.66854 | 23.68146 | 41.19477 | 7.53066 | 22.27934 | 43.70881 | 10.0447 | 56.1653 |
| 3/21/2025 | 7:00:00 PM | 33.65408 | 59.92644 | 26.27236 | 21.45764 | 47.6117 | 13.95762 | 24.69238 | 49.32909 | 15.67501 | 23.67499 | 41.20193 | 7.54785 | 22.26215 | 43.71596 | 10.06188 | 56.14812 |
| 3/21/2025 | 8:00:00 PM | 33.66411 | 59.96215 | 26.29804 | 21.43196 | 47.63518 | 13.97107 | 24.67893 | 49.34691 | 15.6828 | 23.6672 | 41.23771 | 7.5736 | 22.2364 | 43.76242 | 10.09831 | 56.11169 |
| 3/21/2025 | 9:00:00 PM | 33.67748 | 59.99429 | 26.31681 | 21.41319 | 47.68213 | 14.00465 | 24.64535 | 49.40039 | 15.72291 | 23.62709 | 41.2556 | 7.57812 | 22.23188 | 43.81603 | 10.13855 | 56.07145 |
| 3/21/2025 | 10:00:00 PM | 33.69086 | 60.01928 | 26.32842 | 21.40158 | 47.71903 | 14.02817 | 24.62183 | 49.42891 | 15.73805 | 23.61195 | 41.25917 | 7.56831 | 22.24169 | 43.84105 | 10.15019 | 56.05981 |
| 3/21/2025 | 11:00:00 PM | 33.68752 | 60.04428 | 26.35676 | 21.37324 | 47.7358 | 14.04828 | 24.60172 | 49.461 | 15.77348 | 23.57652 | 41.25917 | 7.57165 | 22.23835 | 43.86249 | 10.17497 | 56.03503 |
| 3/22/2025 | 12:00:00 AM | 33.6942 | 60.04785 | 26.35365 | 21.37635 | 47.75927 | 14.06507 | 24.58493 | 49.47526 | 15.78106 | 23.56894 | 41.2556 | 7.5614 | 22.2486 | 43.87321 | 10.17901 | 56.03099 |
| 3/22/2025 | 1:00:00 AM | 33.68083 | 60.05856 | 26.37773 | 21.35227 | 47.7794 | 14.09857 | 24.55143 | 49.49309 | 15.81226 | 23.53774 | 41.25202 | 7.57119 | 22.23881 | 43.87679 | 10.19596 | 56.01404 |
| 3/22/2025 | 2:00:00 AM | 33.69086 | 60.07999 | 26.38913 | 21.34087 | 47.80623 | 14.11537 | 24.53463 | 49.52161 | 15.83075 | 23.51925 | 41.26991 | 7.57905 | 22.23095 | 43.88036 | 10.1895 | 56.0205 |
| 3/22/2025 | 3:00:00 AM | 33.70089 | 60.08356 | 26.38267 | 21.34733 | 47.81964 | 14.11875 | 24.53125 | 49.52874 | 15.82785 | 23.52215 | 41.26633 | 7.56544 | 22.24456 | 43.88393 | 10.18304 | 56.02696 |
| 3/22/2025 | 4:00:00 AM | 33.70424 | 60.10855 | 26.40431 | 21.32569 | 47.84647 | 14.14223 | 24.50777 | 49.54657 | 15.84233 | 23.50767 | 41.26991 | 7.56567 | 22.24433 | 43.89108 | 10.18684 | 56.02316 |
| 3/22/2025 | 5:00:00 AM | 33.72764 | 60.12284 | 26.3952 | 21.3348 | 47.8733 | 14.14566 | 24.50434 | 49.58222 | 15.85458 | 23.49542 | 41.2878 | 7.56016 | 22.24984 | 43.90895 | 10.18131 | 56.02869 |
| 3/22/2025 | 6:00:00 AM | 33.73433 | 60.13712 | 26.40279 | 21.32721 | 47.89343 | 14.1591 | 24.4909 | 49.59648 | 15.86215 | 23.48785 | 41.29137 | 7.55704 | 22.25296 | 43.91253 | 10.1782 | 56.0318 |
| 3/22/2025 | 7:00:00 AM | 33.74436 | 60.16569 | 26.42133 | 21.30867 | 47.93703 | 14.19267 | 24.45733 | 49.63213 | 15.88777 | 23.46223 | 41.30926 | 7.5649 | 22.2451 | 43.93397 | 10.18961 | 56.02039 |
| 3/22/2025 | 8:00:00 AM | 33.75774 | 60.18711 | 26.42937 | 21.30063 | 47.96386 | 14.20612 | 24.44388 | 49.65353 | 15.89579 | 23.45421 | 41.31642 | 7.55868 | 22.25132 | 43.94826 | 10.19052 | 56.01948 |
| 3/22/2025 | 9:00:00 AM | 33.77446 | 60.19425 | 26.41979 | 21.31021 | 47.99069 | 14.21623 | 24.43377 | 49.68561 | 15.91115 | 23.43885 | 41.31642 | 7.54196 | 22.26804 | 43.95184 | 10.17738 | 56.03262 |
| 3/22/2025 | 10:00:00 AM | 33.78784 | 60.21568 | 26.42784 | 21.30216 | 48.01081 | 14.22297 | 24.42703 | 49.69987 | 15.91203 | 23.43797 | 41.32357 | 7.53573 | 22.27427 | 43.94826 | 10.16042 | 56.04958 |
| 3/22/2025 | 11:00:00 AM | 33.80121 | 60.22282 | 26.42161 | 21.30839 | 48.01417 | 14.21296 | 24.43704 | 49.70701 | 15.9058 | 23.4442 | 41.32357 | 7.52236 | 22.28764 | 43.94469 | 10.14348 | 56.06652 |
| 3/22/2025 | 12:00:00 PM | 33.82128 | 60.21568 | 26.3944 | 21.3356 | 48.02088 | 14.1996 | 24.4504 | 49.71057 | 15.88929 | 23.46071 | 41.30926 | 7.48798 | 22.32202 | 43.93039 | 10.10911 | 56.10089 |
| 3/22/2025 | 1:00:00 PM | 33.82462 | 60.20854 | 26.38392 | 21.34608 | 48.01417 | 14.18955 | 24.46045 | 49.69987 | 15.87525 | 23.47475 | 41.30211 | 7.47749 | 22.33251 | 43.91253 | 10.08791 | 56.12209 |
| 3/22/2025 | 2:00:00 PM | 33.84134 | 60.19068 | 26.34934 | 21.38066 | 47.99404 | 14.1527 | 24.4973 | 49.67848 | 15.83714 | 23.51286 | 41.29495 | 7.45361 | 22.35639 | 43.88751 | 10.04617 | 56.16383 |
| 3/22/2025 | 3:00:00 PM | 33.83465 | 60.18711 | 26.35246 | 21.37754 | 47.98398 | 14.14933 | 24.50067 | 49.66422 | 15.82957 | 23.52043 | 41.29495 | 7.4603 | 22.3497 | 43.86964 | 10.03499 | 56.17501 |
| 3/22/2025 | 4:00:00 PM | 33.838 | 60.19783 | 26.35983 | 21.37017 | 47.98734 | 14.14934 | 24.50066 | 49.67135 | 15.83335 | 23.51665 | 41.30926 | 7.47126 | 22.33874 | 43.87321 | 10.03521 | 56.17479 |
| 3/22/2025 | 5:00:00 PM | 33.83465 | 60.18354 | 26.34889 | 21.38111 | 47.97392 | 14.13927 | 24.51073 | 49.6464 | 15.81175 | 23.53825 | 41.30926 | 7.47461 | 22.33539 | 43.86249 | 10.02784 | 56.18216 |
| 3/22/2025 | 6:00:00 PM | 33.80121 | 60.19068 | 26.38947 | 21.34053 | 47.97727 | 14.17606 | 24.47394 | 49.64996 | 15.84875 | 23.50125 | 41.32357 | 7.52236 | 22.28764 | 43.87321 | 10.072 | 56.138 |
| 3/22/2025 | 7:00:00 PM | 33.79452 | 60.19783 | 26.40331 | 21.32669 | 47.97392 | 14.1794 | 24.4706 | 49.65353 | 15.85901 | 23.49099 | 41.32 | 7.52548 | 22.28452 | 43.86606 | 10.07154 | 56.13846 |
| 3/22/2025 | 8:00:00 PM | 33.78449 | 60.19068 | 26.40619 | 21.32381 | 47.97057 | 14.18608 | 24.46392 | 49.63927 | 15.85478 | 23.49522 | 41.33073 | 7.54624 | 22.26376 | 43.86964 | 10.08515 | 56.12485 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/22/2025 | 9:00:00 PM | 33.78449 | 60.21925 | 26.43476 | 21.29524 | 47.97727 | 14.19278 | 24.45722 | 49.66066 | 15.87617 | 23.47383 | 41.34504 | 7.56055 | 22.24945 | 43.88393 | 10.09944 | 56.11056 |
| 3/22/2025 | 10:00:00 PM | 33.79787 | 60.23353 | 26.43566 | 21.29434 | 47.9974 | 14.19953 | 24.45047 | 49.67135 | 15.87348 | 23.47652 | 41.35578 | 7.55791 | 22.25209 | 43.9018 | 10.10393 | 56.10607 |
| 3/22/2025 | 11:00:00 PM | 33.80121 | 60.23711 | 26.4359 | 21.2941 | 48.00075 | 14.19954 | 24.45046 | 49.68561 | 15.8844 | 23.4656 | 41.3522 | 7.55099 | 22.25901 | 43.90895 | 10.10774 | 56.10226 |
| 3/23/2025 | 12:00:00 AM | 33.79452 | 60.22639 | 26.43187 | 21.29813 | 47.99404 | 14.19952 | 24.45048 | 49.67492 | 15.8804 | 23.4696 | 41.34862 | 7.5541 | 22.2559 | 43.89108 | 10.09656 | 56.11344 |
| 3/23/2025 | 1:00:00 AM | 33.79452 | 60.23353 | 26.43901 | 21.29099 | 47.99404 | 14.19952 | 24.45048 | 49.67135 | 15.87683 | 23.47317 | 41.34504 | 7.55052 | 22.25948 | 43.88751 | 10.09299 | 56.11701 |
| 3/23/2025 | 2:00:00 AM | 33.78115 | 60.21568 | 26.43453 | 21.29547 | 47.98063 | 14.19948 | 24.45052 | 49.65709 | 15.87594 | 23.47406 | 41.34146 | 7.56031 | 22.24969 | 43.87321 | 10.09206 | 56.11794 |
| 3/23/2025 | 3:00:00 AM | 33.77112 | 60.2014 | 26.43028 | 21.29972 | 47.95715 | 14.18603 | 24.46397 | 49.6357 | 15.86458 | 23.48542 | 41.33789 | 7.56677 | 22.24323 | 43.86606 | 10.09494 | 56.11506 |
| 3/23/2025 | 4:00:00 AM | 33.77112 | 60.19425 | 26.42313 | 21.30687 | 47.95044 | 14.17932 | 24.47068 | 49.6357 | 15.86458 | 23.48542 | 41.34504 | 7.57392 | 22.23608 | 43.85892 | 10.0878 | 56.1222 |
| 3/23/2025 | 5:00:00 AM | 33.7544 | 60.18711 | 26.43271 | 21.29729 | 47.93367 | 14.17927 | 24.47073 | 49.61074 | 15.85634 | 23.49366 | 41.33073 | 7.57633 | 22.23367 | 43.8482 | 10.0938 | 56.1162 |
| 3/23/2025 | 6:00:00 AM | 33.74771 | 60.16926 | 26.42155 | 21.30845 | 47.9102 | 14.16249 | 24.48751 | 49.58935 | 15.84164 | 23.50836 | 41.31642 | 7.56871 | 22.24129 | 43.82675 | 10.07904 | 56.13096 |
| 3/23/2025 | 7:00:00 AM | 33.73433 | 60.14783 | 26.4135 | 21.3165 | 47.88001 | 14.14568 | 24.50432 | 49.5537 | 15.81937 | 23.53063 | 41.30926 | 7.57493 | 22.23507 | 43.81246 | 10.07813 | 56.13187 |
| 3/23/2025 | 8:00:00 AM | 33.73099 | 60.1514 | 26.42041 | 21.30959 | 47.88337 | 14.15238 | 24.49762 | 49.543 | 15.81201 | 23.53799 | 41.31284 | 7.58185 | 22.22815 | 43.81603 | 10.08504 | 56.12496 |
| 3/23/2025 | 9:00:00 AM | 33.73433 | 60.14783 | 26.4135 | 21.3165 | 47.86995 | 14.13562 | 24.51438 | 49.53587 | 15.80154 | 23.54846 | 41.31642 | 7.58209 | 22.22791 | 43.82318 | 10.08885 | 56.12115 |
| 3/23/2025 | 10:00:00 AM | 33.73433 | 60.14426 | 26.40993 | 21.32007 | 47.86995 | 14.13562 | 24.51438 | 49.543 | 15.80867 | 23.54133 | 41.33073 | 7.5964 | 22.2136 | 43.83033 | 10.096 | 56.114 |
| 3/23/2025 | 11:00:00 AM | 33.74102 | 60.14426 | 26.40324 | 21.32676 | 47.86995 | 14.12893 | 24.52107 | 49.54657 | 15.80555 | 23.54445 | 41.34146 | 7.60044 | 22.20956 | 43.8339 | 10.09288 | 56.11712 |
| 3/23/2025 | 12:00:00 PM | 33.74771 | 60.14426 | 26.39655 | 21.33345 | 47.86995 | 14.12224 | 24.52776 | 49.53944 | 15.79173 | 23.55827 | 41.33073 | 7.58302 | 22.22698 | 43.84105 | 10.09334 | 56.11666 |
| 3/23/2025 | 1:00:00 PM | 33.7544 | 60.14783 | 26.39343 | 21.33657 | 47.87666 | 14.12226 | 24.52774 | 49.543 | 15.7886 | 23.5614 | 41.33431 | 7.57991 | 22.23009 | 43.84462 | 10.09022 | 56.11978 |
| 3/23/2025 | 2:00:00 PM | 33.7544 | 60.13712 | 26.38272 | 21.34728 | 47.86324 | 14.10884 | 24.54116 | 49.53231 | 15.77791 | 23.57209 | 41.33431 | 7.57991 | 22.23009 | 43.83747 | 10.08307 | 56.12693 |
| 3/23/2025 | 3:00:00 PM | 33.76108 | 60.12998 | 26.3689 | 21.3611 | 47.86324 | 14.10216 | 24.54784 | 49.53231 | 15.77123 | 23.57877 | 41.32357 | 7.56249 | 22.24751 | 43.8482 | 10.08712 | 56.12288 |
| 3/23/2025 | 4:00:00 PM | 33.76108 | 60.11927 | 26.35819 | 21.37181 | 47.85989 | 14.09881 | 24.55119 | 49.52874 | 15.76766 | 23.58234 | 41.32357 | 7.56249 | 22.24751 | 43.8339 | 10.07282 | 56.13718 |
| 3/23/2025 | 5:00:00 PM | 33.76777 | 60.13712 | 26.36935 | 21.36065 | 47.85989 | 14.09212 | 24.55788 | 49.543 | 15.77523 | 23.57477 | 41.33431 | 7.56654 | 22.24346 | 43.8482 | 10.08043 | 56.12957 |
| 3/23/2025 | 6:00:00 PM | 33.7778 | 60.14426 | 26.36646 | 21.36354 | 47.86995 | 14.09215 | 24.55785 | 49.55013 | 15.77233 | 23.57767 | 41.33789 | 7.56009 | 22.24991 | 43.86249 | 10.08469 | 56.12531 |
| 3/23/2025 | 7:00:00 PM | 33.79452 | 60.15855 | 26.36403 | 21.36597 | 47.89678 | 14.10226 | 24.54774 | 49.56796 | 15.77344 | 23.57656 | 41.34504 | 7.55052 | 22.25948 | 43.88751 | 10.09299 | 56.11701 |
| 3/23/2025 | 8:00:00 PM | 33.8079 | 60.18711 | 26.37921 | 21.35079 | 47.93703 | 14.12913 | 24.52087 | 49.61431 | 15.80641 | 23.54359 | 41.36651 | 7.55861 | 22.25139 | 43.91253 | 10.10463 | 56.10537 |
| 3/23/2025 | 9:00:00 PM | 33.82462 | 60.22282 | 26.3982 | 21.3318 | 47.98398 | 14.15936 | 24.49064 | 49.66779 | 15.84317 | 23.50683 | 41.37724 | 7.55262 | 22.25738 | 43.94469 | 10.12007 | 56.08993 |
| 3/23/2025 | 10:00:00 PM | 33.838 | 60.24425 | 26.40625 | 21.32375 | 48.02758 | 14.18958 | 24.46042 | 49.71057 | 15.87257 | 23.47743 | 41.38082 | 7.54282 | 22.26718 | 43.96256 | 10.12456 | 56.08544 |
| 3/23/2025 | 11:00:00 PM | 33.86475 | 60.27638 | 26.41163 | 21.31837 | 48.07789 | 14.21314 | 24.43686 | 49.75692 | 15.89217 | 23.45783 | 41.39513 | 7.53038 | 22.27962 | 43.984 | 10.11925 | 56.09075 |
| 3/24/2025 | 12:00:00 AM | 33.85806 | 60.24782 | 26.38976 | 21.34024 | 48.06783 | 14.20977 | 24.44023 | 49.74979 | 15.89173 | 23.45827 | 41.36651 | 7.50845 | 22.30155 | 43.94469 | 10.08663 | 56.12337 |
| 3/24/2025 | 1:00:00 AM | 33.88481 | 60.2871 | 26.40229 | 21.32771 | 48.1282 | 14.24339 | 24.40661 | 49.80683 | 15.92202 | 23.42798 | 41.39513 | 7.51032 | 22.29968 | 43.98043 | 10.09562 | 56.11438 |
| 3/24/2025 | 2:00:00 AM | 33.88816 | 60.29424 | 26.40608 | 21.32392 | 48.14832 | 14.26016 | 24.38984 | 49.82466 | 15.9365 | 23.4135 | 41.39513 | 7.50697 | 22.30303 | 43.98043 | 10.09227 | 56.11773 |
| 3/24/2025 | 3:00:00 AM | 33.8915 | 60.30138 | 26.40988 | 21.32012 | 48.16845 | 14.27695 | 24.37305 | 49.86031 | 15.96881 | 23.38119 | 41.39513 | 7.50363 | 22.30637 | 43.97686 | 10.08536 | 56.12464 |
| 3/24/2025 | 4:00:00 AM | 33.89484 | 60.29781 | 26.40297 | 21.32703 | 48.17851 | 14.28367 | 24.36633 | 49.86388 | 15.96904 | 23.38096 | 41.39155 | 7.49671 | 22.31329 | 43.96971 | 10.07487 | 56.13513 |
| 3/24/2025 | 5:00:00 AM | 33.88147 | 60.31566 | 26.43419 | 21.29581 | 48.20198 | 14.32051 | 24.32949 | 49.90666 | 16.02519 | 23.32481 | 41.41302 | 7.53155 | 22.27845 | 43.98758 | 10.10611 | 56.10389 |
| 3/24/2025 | 6:00:00 AM | 33.88147 | 60.32638 | 26.44491 | 21.28509 | 48.21875 | 14.33728 | 24.31272 | 49.92449 | 16.04302 | 23.30698 | 41.40944 | 7.52797 | 22.28203 | 43.97686 | 10.09539 | 56.11461 |
| 3/24/2025 | 7:00:00 AM | 33.88481 | 60.32281 | 26.438 | 21.292 | 48.2154 | 14.33059 | 24.31941 | 49.93162 | 16.04681 | 23.30319 | 41.40944 | 7.52463 | 22.28537 | 43.96971 | 10.0849 | 56.1251 |
| 3/24/2025 | 8:00:00 AM | 33.88481 | 60.31924 | 26.43443 | 21.29557 | 48.2154 | 14.33059 | 24.31941 | 49.95301 | 16.0682 | 23.2818 | 41.40229 | 7.51748 | 22.29252 | 43.95899 | 10.07418 | 56.13582 |
| 3/24/2025 | 9:00:00 AM | 33.88816 | 60.31924 | 26.43108 | 21.29892 | 48.21875 | 14.33059 | 24.31941 | 49.95657 | 16.06841 | 23.28159 | 41.40586 | 7.5177 | 22.2923 | 43.95184 | 10.06368 | 56.14632 |
| 3/24/2025 | 10:00:00 AM | 33.8915 | 60.31566 | 26.42416 | 21.30584 | 48.22211 | 14.33061 | 24.31939 | 49.96727 | 16.07577 | 23.27423 | 41.4166 | 7.5251 | 22.2849 | 43.95541 | 10.06391 | 56.14609 |
| 3/24/2025 | 11:00:00 AM | 33.90153 | 60.32638 | 26.42485 | 21.30515 | 48.23888 | 14.33735 | 24.31265 | 49.99223 | 16.0907 | 23.2593 | 41.42733 | 7.5258 | 22.2842 | 43.95899 | 10.05746 | 56.15254 |
| 3/24/2025 | 12:00:00 PM | 33.90822 | 60.34066 | 26.43244 | 21.29756 | 48.24559 | 14.33737 | 24.31263 | 50.00649 | 16.09827 | 23.25173 | 41.43806 | 7.52984 | 22.28016 | 43.96971 | 10.06149 | 56.14851 |
| 3/24/2025 | 1:00:00 PM | 33.91491 | 60.3478 | 26.43289 | 21.29711 | 48.25229 | 14.33738 | 24.31262 | 50.02431 | 16.1094 | 23.2406 | 41.44164 | 7.52673 | 22.28327 | 43.96971 | 10.0548 | 56.1552 |
| 3/24/2025 | 2:00:00 PM | 33.92828 | 60.35494 | 26.42666 | 21.30334 | 48.26235 | 14.33407 | 24.31593 | 50.03858 | 16.1103 | 23.2397 | 41.4488 | 7.52052 | 22.28948 | 43.97686 | 10.04858 | 56.16142 |
| 3/24/2025 | 3:00:00 PM | 33.93163 | 60.3478 | 26.41617 | 21.31383 | 48.25565 | 14.32402 | 24.32598 | 50.03858 | 16.10695 | 23.24305 | 41.44164 | 7.51001 | 22.29999 | 43.95899 | 10.02736 | 56.18264 |
| 3/24/2025 | 4:00:00 PM | 33.93497 | 60.34423 | 26.40926 | 21.32074 | 48.24894 | 14.31397 | 24.33603 | 50.04927 | 16.1143 | 23.2357 | 41.45238 | 7.51741 | 22.29259 | 43.95899 | 10.02402 | 56.18598 |
| 3/24/2025 | 5:00:00 PM | 33.93163 | 60.34066 | 26.40903 | 21.32097 | 48.24894 | 14.31731 | 24.33269 | 50.04927 | 16.11764 | 23.23236 | 41.44522 | 7.51359 | 22.29641 | 43.95184 | 10.02021 | 56.18979 |
| 3/24/2025 | 6:00:00 PM | 33.92828 | 60.33352 | 26.40524 | 21.32476 | 48.23888 | 14.3106 | 24.3394 | 50.04927 | 16.12099 | 23.22901 | 41.45595 | 7.52767 | 22.28233 | 43.94469 | 10.01641 | 56.19359 |
| 3/24/2025 | 7:00:00 PM | 33.92494 | 60.32638 | 26.40144 | 21.32856 | 48.22882 | 14.30388 | 24.34612 | 50.04571 | 16.12077 | 23.22923 | 41.4488 | 7.52386 | 22.28614 | 43.94826 | 10.02332 | 56.18668 |
| 3/24/2025 | 8:00:00 PM | 33.92828 | 60.32995 | 26.40167 | 21.32833 | 48.22546 | 14.29718 | 24.35282 | 50.04927 | 16.12099 | 23.22901 | 41.45953 | 7.53125 | 22.27875 | 43.94112 | 10.01284 | 56.19716 |
| 3/24/2025 | 9:00:00 PM | 33.93832 | 60.35137 | 26.41305 | 21.31695 | 48.24559 | 14.30727 | 24.34273 | 50.07423 | 16.13591 | 23.21409 | 41.47026 | 7.53194 | 22.27806 | 43.96613 | 10.02781 | 56.18219 |
| 3/24/2025 | 10:00:00 PM | 33.93832 | 60.35494 | 26.41662 | 21.31338 | 48.24559 | 14.30727 | 24.34273 | 50.08492 | 16.1466 | 23.2034 | 41.481 | 7.54268 | 22.26732 | 43.97328 | 10.03496 | 56.17504 |
| 3/24/2025 | 11:00:00 PM | 33.93497 | 60.3478 | 26.41283 | 21.31717 | 48.23888 | 14.30391 | 24.34609 | 50.07423 | 16.13926 | 23.21074 | 41.47742 | 7.54245 | 22.26755 | 43.96256 | 10.02759 | 56.18241 |
| 3/25/2025 | 12:00:00 AM | 33.94166 | 60.35494 | 26.41328 | 21.31672 | 48.24223 | 14.30057 | 24.34943 | 50.08849 | 16.14683 | 23.20317 | 41.481 | 7.53934 | 22.27066 | 43.96256 | 10.0209 | 56.1891 |
| 3/25/2025 | 1:00:00 AM | 33.93497 | 60.35851 | 26.42354 | 21.30646 | 48.23552 | 14.30055 | 24.34945 | 50.08849 | 16.15352 | 23.19648 | 41.47384 | 7.53887 | 22.27113 | 43.96971 | 10.03474 | 56.17526 |
| 3/25/2025 | 2:00:00 AM | 33.93832 | 60.36209 | 26.42377 | 21.30623 | 48.23217 | 14.29385 | 24.35615 | 50.09562 | 16.1573 | 23.1927 | 41.48458 | 7.54626 | 22.26374 | 43.96971 | 10.03139 | 56.17861 |
| 3/25/2025 | 3:00:00 AM | 33.93497 | 60.35494 | 26.41997 | 21.31003 | 48.22882 | 14.29385 | 24.35615 | 50.08849 | 16.15352 | 23.19648 | 41.48815 | 7.55318 | 22.25682 | 43.96971 | 10.03474 | 56.17526 |
| 3/25/2025 | 4:00:00 AM | 33.92828 | 60.33709 | 26.40881 | 21.32119 | 48.2154 | 14.28712 | 24.36288 | 50.07779 | 16.14951 | 23.20049 | 41.47384 | 7.54556 | 22.26444 | 43.95184 | 10.02356 | 56.18644 |
| 3/25/2025 | 5:00:00 AM | 33.91491 | 60.32995 | 26.41504 | 21.31496 | 48.18522 | 14.27031 | 24.37969 | 50.0564 | 16.14149 | 23.20851 | 41.47026 | 7.55535 | 22.25465 | 43.93397 | 10.01906 | 56.19094 |
| 3/25/2025 | 6:00:00 AM | 33.91491 | 60.31924 | 26.40433 | 21.32567 | 48.16845 | 14.25354 | 24.39646 | 50.04214 | 16.12723 | 23.22277 | 41.46311 | 7.5482 | 22.2618 | 43.93039 | 10.01548 | 56.19452 |
| 3/25/2025 | 7:00:00 AM | 33.89819 | 60.31924 | 26.42105 | 21.30895 | 48.15838 | 14.26019 | 24.38981 | 50.03144 | 16.13325 | 23.21675 | 41.47384 | 7.57565 | 22.23435 | 43.92682 | 10.02863 | 56.18137 |
| 3/25/2025 | 8:00:00 AM | 33.89484 | 60.31566 | 26.42082 | 21.30918 | 48.13826 | 14.24342 | 24.40658 | 50.01718 | 16.12234 | 23.22766 | 41.46669 | 7.57185 | 22.23815 | 43.92682 | 10.03198 | 56.17802 |
| 3/25/2025 | 9:00:00 AM | 33.88816 | 60.30138 | 26.41322 | 21.31678 | 48.13155 | 14.24339 | 24.40661 | 50.01362 | 16.12546 | 23.22454 | 41.47384 | 7.58568 | 22.22432 | 43.92682 | 10.03866 | 56.17134 |
| 3/25/2025 | 10:00:00 AM | 33.89484 | 60.29781 | 26.40297 | 21.32703 | 48.11478 | 14.21994 | 24.43006 | 49.99223 | 16.09739 | 23.25261 | 41.47384 | 7.579 | 22.231 | 43.93397 | 10.03913 | 56.17087 |
| 3/25/2025 | 11:00:00 AM | 33.8915 | 60.29424 | 26.40274 | 21.32726 | 48.10472 | 14.21322 | 24.43678 | 49.9851 | 16.0936 | 23.2564 | 41.47026 | 7.57876 | 22.23124 | 43.93039 | 10.03889 | 56.17111 |
| 3/25/2025 | 12:00:00 PM | 33.90822 | 60.27281 | 26.36459 | 21.36541 | 48.07789 | 14.16967 | 24.48033 | 49.9637 | 16.05548 | 23.29452 | 41.47026 | 7.56204 | 22.24796 | 43.9161 | 10.00788 | 56.20212 |
| 3/25/2025 | 1:00:00 PM | 33.91825 | 60.25496 | 26.33671 | 21.39329 | 48.05106 | 14.13281 | 24.51719 | 49.94588 | 16.02763 | 23.32237 | 41.45953 | 7.54128 | 22.26872 | 43.9018 | 9.98355 | 56.22645 |
| 3/25/2025 | 2:00:00 PM | 33.945 | 60.24068 | 26.29568 | 21.43432 | 48.02758 | 14.08258 | 24.56742 | 49.91736 | 15.97236 | 23.37764 | 41.4488 | 7.5038 | 22.3062 | 43.90538 | 9.96038 | 56.24962 |
| 3/25/2025 | 3:00:00 PM | 33.95838 | 60.21925 | 26.26087 | 21.46913 | 48.00075 | 14.04237 | 24.60763 | 49.8924 | 15.93402 | 23.41598 | 41.43449 | 7.47611 | 22.33389 | 43.88393 | 9.92555 | 56.28445 |
| 3/25/2025 | 4:00:00 PM | 33.94835 | 60.21568 | 26.26733 | 21.46267 | 47.98398 | 14.03563 | 24.61437 | 49.87814 | 15.92979 | 23.42021 | 41.4488 | 7.50045 | 22.30955 | 43.89823 | 9.94988 | 56.26012 |
| 3/25/2025 | 5:00:00 PM | 33.93497 | 60.21211 | 26.27714 | 21.45286 | 47.96721 | 14.03224 | 24.61776 | 49.86744 | 15.93247 | 23.41753 | 41.44164 | 7.50667 | 22.30333 | 43.89823 | 9.96326 | 56.24674 |
| 3/25/2025 | 6:00:00 PM | 33.92494 | 60.20497 | 26.28003 | 21.44997 | 47.95715 | 14.03221 | 24.61779 | 49.84962 | 15.92468 | 23.42532 | 41.4488 | 7.52386 | 22.28614 | 43.89466 | 9.96972 | 56.24028 |
| 3/25/2025 | 7:00:00 PM | 33.91156 | 60.2014 | 26.28984 | 21.44016 | 47.94374 | 14.03218 | 24.61782 | 49.83179 | 15.92023 | 23.42977 | 41.44522 | 7.53366 | 22.27634 | 43.89823 | 9.98667 | 56.22333 |
| 3/25/2025 | 8:00:00 PM | 33.89819 | 60.19783 | 26.29964 | 21.43036 | 47.93032 | 14.03213 | 24.61787 | 49.83535 | 15.93716 | 23.41284 | 41.44522 | 7.54703 | 22.26297 | 43.9018 | 10.00361 | 56.20639 |
| 3/25/2025 | 9:00:00 PM | 33.88481 | 60.19783 | 26.31302 | 21.41698 | 47.93032 | 14.04551 | 24.60449 | 49.82109 | 15.93628 | 23.41372 | 41.4488 | 7.56399 | 22.24601 | 43.90538 | 10.02057 | 56.18943 |
| 3/25/2025 | 10:00:00 PM | 33.87144 | 60.18354 | 26.3121 | 21.4179 | 47.92361 | 14.05217 | 24.59783 | 49.80683 | 15.93539 | 23.41461 | 41.44522 | 7.57378 | 22.23622 | 43.91253 | 10.04109 | 56.16891 |
| 3/25/2025 | 11:00:00 PM | 33.81793 | 60.17283 | 26.3549 | 21.3751 | 47.90014 | 14.08221 | 24.56779 | 49.79257 | 15.97464 | 23.37536 | 41.43449 | 7.61656 | 22.19344 | 43.90538 | 10.08745 | 56.12255 |
| 3/26/2025 | 12:00:00 AM | 33.80121 | 60.16569 | 26.36448 | 21.36552 | 47.89007 | 14.08886 | 24.56114 | 49.77475 | 15.97354 | 23.37646 | 41.42375 | 7.62254 | 22.18746 | 43.9018 | 10.10059 | 56.10941 |
| 3/26/2025 | 1:00:00 AM | 33.78784 | 60.15497 | 26.36713 | 21.36287 | 47.85318 | 14.06534 | 24.58466 | 49.74266 | 15.95482 | 23.39518 | 41.41302 | 7.62518 | 22.18482 | 43.88393 | 10.09609 | 56.11391 |
| 3/26/2025 | 2:00:00 AM | 33.7778 | 60.12641 | 26.34861 | 21.38139 | 47.83306 | 14.05526 | 24.59474 | 49.71414 | 15.93634 | 23.41366 | 41.40229 | 7.62449 | 22.18551 | 43.88036 | 10.10256 | 56.10744 |
| 3/26/2025 | 3:00:00 AM | 33.76108 | 60.1157 | 26.35462 | 21.37538 | 47.81629 | 14.05521 | 24.59479 | 49.70344 | 15.94236 | 23.40764 | 41.39871 | 7.63763 | 22.17237 | 43.87321 | 10.11213 | 56.09787 |
| 3/26/2025 | 4:00:00 AM | 33.74102 | 60.09427 | 26.35325 | 21.37675 | 47.7861 | 14.04508 | 24.60492 | 49.66422 | 15.9232 | 23.4268 | 41.3844 | 7.64338 | 22.16662 | 43.85892 | 10.1179 | 56.0921 |
| 3/26/2025 | 5:00:00 AM | 33.72764 | 60.08713 | 26.35949 | 21.37051 | 47.76933 | 14.04169 | 24.60831 | 49.64996 | 15.92232 | 23.42768 | 41.38798 | 7.66034 | 22.14966 | 43.86249 | 10.13485 | 56.07515 |
| 3/26/2025 | 6:00:00 AM | 33.7243 | 60.07642 | 26.35212 | 21.37788 | 47.7425 | 14.0182 | 24.6318 | 49.6357 | 15.9114 | 23.4386 | 41.37009 | 7.64579 | 22.16421 | 43.85534 | 10.13104 | 56.07896 |
| 3/26/2025 | 7:00:00 AM | 33.70758 | 60.04071 | 26.33313 | 21.39687 | 47.71232 | 14.00474 | 24.64526 | 49.59648 | 15.8889 | 23.4611 | 41.36293 | 7.65535 | 22.15465 | 43.84462 | 10.13704 | 56.07296 |
| 3/26/2025 | 8:00:00 AM | 33.69086 | 60.00857 | 26.31771 | 21.41229 | 47.67207 | 13.98121 | 24.66879 | 49.56083 | 15.86997 | 23.48003 | 41.33789 | 7.64703 | 22.16297 | 43.82675 | 10.13589 | 56.07411 |
| 3/26/2025 | 9:00:00 AM | 33.6106 | 60.00143 | 26.39083 | 21.33917 | 47.6553 | 14.0447 | 24.6053 | 49.53587 | 15.92527 | 23.42473 | 41.34504 | 7.73444 | 22.07556 | 43.8339 | 10.2233 | 55.9867 |
| 3/26/2025 | 10:00:00 AM | 33.62398 | 60.03714 | 26.41316 | 21.31684 | 47.68884 | 14.06486 | 24.58514 | 49.56796 | 15.94398 | 23.40602 | 41.3844 | 7.76042 | 22.04958 | 43.87679 | 10.25281 | 55.95719 |
| 3/26/2025 | 11:00:00 AM | 33.62398 | 60.03357 | 26.40959 | 21.32041 | 47.67878 | 14.0548 | 24.5952 | 49.55013 | 15.92615 | 23.42385 | 41.36651 | 7.74253 | 22.06747 | 43.88036 | 10.25638 | 55.95362 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/26/2025 | 12:00:00 PM | 33.59054 | 59.99071 | 26.40017 | 21.32983 | 47.62847 | 14.03793 | 24.61207 | 49.51092 | 15.92038 | 23.42962 | 41.33789 | 7.74735 | 22.06265 | 43.8482 | 10.25766 | 55.95234 |
| 3/26/2025 | 1:00:00 PM | 33.59723 | 59.98 | 26.38277 | 21.34723 | 47.62176 | 14.02453 | 24.62547 | 49.50022 | 15.90299 | 23.44701 | 41.34146 | 7.74423 | 22.06577 | 43.85177 | 10.25454 | 55.95546 |
| 3/26/2025 | 2:00:00 PM | 33.55041 | 59.95501 | 26.4046 | 21.3254 | 47.58822 | 14.03781 | 24.61219 | 49.46457 | 15.91416 | 23.43584 | 41.31284 | 7.76243 | 22.04757 | 43.8339 | 10.28349 | 55.92651 |
| 3/26/2025 | 3:00:00 PM | 33.54707 | 59.93358 | 26.38651 | 21.34349 | 47.58152 | 14.03445 | 24.61555 | 49.46457 | 15.9175 | 23.4325 | 41.30926 | 7.76219 | 22.04781 | 43.82675 | 10.27968 | 55.93032 |
| 3/26/2025 | 4:00:00 PM | 33.48688 | 59.88359 | 26.39671 | 21.33329 | 47.50438 | 14.0175 | 24.6325 | 49.38257 | 15.89569 | 23.45431 | 41.26275 | 7.77587 | 22.03413 | 43.78386 | 10.29698 | 55.91302 |
| 3/26/2025 | 5:00:00 PM | 33.43003 | 59.85502 | 26.42499 | 21.30501 | 47.46748 | 14.03745 | 24.61255 | 49.33622 | 15.90619 | 23.44381 | 41.24844 | 7.81841 | 21.99159 | 43.76957 | 10.33954 | 55.87046 |
| 3/26/2025 | 6:00:00 PM | 33.37987 | 59.81574 | 26.43587 | 21.29413 | 47.42388 | 14.04401 | 24.60599 | 49.29343 | 15.91356 | 23.43644 | 41.23413 | 7.85426 | 21.95574 | 43.74455 | 10.36468 | 55.84532 |
| 3/26/2025 | 7:00:00 PM | 33.30964 | 59.8086 | 26.49896 | 21.23104 | 47.38364 | 14.074 | 24.576 | 49.25778 | 15.94814 | 23.40186 | 41.23413 | 7.92449 | 21.88551 | 43.7374 | 10.42776 | 55.78224 |
| 3/26/2025 | 8:00:00 PM | 33.3063 | 59.81217 | 26.50587 | 21.22413 | 47.39035 | 14.08405 | 24.56595 | 49.26135 | 15.95505 | 23.39495 | 41.2556 | 7.9493 | 21.8607 | 43.77314 | 10.46684 | 55.74316 |
| 3/26/2025 | 9:00:00 PM | 33.3598 | 59.94072 | 26.58092 | 21.14908 | 47.51444 | 14.15464 | 24.49536 | 49.38257 | 16.02277 | 23.32723 | 41.34504 | 7.98524 | 21.82476 | 43.9161 | 10.5563 | 55.6537 |
| 3/26/2025 | 10:00:00 PM | 33.35312 | 59.91216 | 26.55904 | 21.17096 | 47.50773 | 14.15461 | 24.49539 | 49.37543 | 16.02231 | 23.32769 | 41.29137 | 7.93825 | 21.87175 | 43.90538 | 10.55226 | 55.65774 |
| 3/26/2025 | 11:00:00 PM | 33.36649 | 59.92644 | 26.55995 | 21.17005 | 47.51779 | 14.1513 | 24.4987 | 49.3897 | 16.02321 | 23.32679 | 41.29137 | 7.92488 | 21.88512 | 43.91253 | 10.54604 | 55.66396 |
| 3/27/2025 | 12:00:00 AM | 33.37652 | 59.95143 | 26.57491 | 21.15509 | 47.56139 | 14.18487 | 24.46513 | 49.41465 | 16.03813 | 23.31187 | 41.29495 | 7.91843 | 21.89157 | 43.93039 | 10.55387 | 55.65613 |
| 3/27/2025 | 1:00:00 AM | 33.38321 | 59.95143 | 26.56822 | 21.16178 | 47.57816 | 14.19495 | 24.45505 | 49.43604 | 16.05283 | 23.29717 | 41.28064 | 7.89743 | 21.91257 | 43.93397 | 10.55076 | 55.65924 |
| 3/27/2025 | 2:00:00 AM | 33.39659 | 59.97643 | 26.57984 | 21.15016 | 47.62176 | 14.22517 | 24.42483 | 49.46813 | 16.07154 | 23.27846 | 41.30569 | 7.9091 | 21.9009 | 43.95184 | 10.55525 | 55.65475 |
| 3/27/2025 | 3:00:00 AM | 33.39993 | 59.97286 | 26.57293 | 21.15707 | 47.63853 | 14.2386 | 24.4114 | 49.47883 | 16.0789 | 23.2711 | 41.29137 | 7.89144 | 21.91856 | 43.95184 | 10.55191 | 55.65809 |
| 3/27/2025 | 4:00:00 AM | 33.39324 | 59.96929 | 26.57605 | 21.15395 | 47.64189 | 14.24865 | 24.40135 | 49.47526 | 16.08202 | 23.26798 | 41.28422 | 7.89098 | 21.91902 | 43.92682 | 10.53358 | 55.67642 |
| 3/27/2025 | 5:00:00 AM | 33.38656 | 59.95501 | 26.56845 | 21.16155 | 47.63853 | 14.25197 | 24.39803 | 49.46457 | 16.07801 | 23.27199 | 41.26275 | 7.87619 | 21.93381 | 43.91967 | 10.53311 | 55.67689 |
| 3/27/2025 | 6:00:00 AM | 33.38656 | 59.96929 | 26.58273 | 21.14727 | 47.65195 | 14.26539 | 24.38461 | 49.48239 | 16.09583 | 23.25417 | 41.27349 | 7.88693 | 21.92307 | 43.92682 | 10.54026 | 55.66974 |
| 3/27/2025 | 7:00:00 AM | 33.38321 | 59.95858 | 26.57537 | 21.15463 | 47.6553 | 14.27209 | 24.37791 | 49.47883 | 16.09562 | 23.25438 | 41.25917 | 7.87596 | 21.93404 | 43.9161 | 10.53289 | 55.67711 |
| 3/27/2025 | 8:00:00 AM | 33.37652 | 59.94429 | 26.56777 | 21.16223 | 47.65195 | 14.27543 | 24.37457 | 49.46457 | 16.08805 | 23.26195 | 41.24129 | 7.86477 | 21.94523 | 43.89466 | 10.51814 | 55.69186 |
| 3/27/2025 | 9:00:00 AM | 33.36649 | 59.93358 | 26.56709 | 21.16291 | 47.63518 | 14.26869 | 24.38131 | 49.45744 | 16.09095 | 23.25905 | 41.24129 | 7.8748 | 21.9352 | 43.88036 | 10.51387 | 55.69613 |
| 3/27/2025 | 10:00:00 AM | 33.36649 | 59.90858 | 26.54209 | 21.18791 | 47.61841 | 14.25192 | 24.39808 | 49.43604 | 16.06955 | 23.28045 | 41.22697 | 7.86048 | 21.94952 | 43.86606 | 10.49957 | 55.71043 |
| 3/27/2025 | 11:00:00 AM | 33.36649 | 59.90144 | 26.53495 | 21.19505 | 47.60499 | 14.2385 | 24.4115 | 49.42178 | 16.05529 | 23.29471 | 41.21982 | 7.85333 | 21.95667 | 43.85177 | 10.48528 | 55.72472 |
| 3/27/2025 | 12:00:00 PM | 33.36984 | 59.87645 | 26.50661 | 21.22339 | 47.58152 | 14.21168 | 24.43832 | 49.39683 | 16.02699 | 23.32301 | 41.21266 | 7.84282 | 21.96718 | 43.83033 | 10.46049 | 55.74951 |
| 3/27/2025 | 1:00:00 PM | 33.36649 | 59.8693 | 26.50281 | 21.22719 | 47.5681 | 14.20161 | 24.44839 | 49.37543 | 16.00894 | 23.34106 | 41.20551 | 7.83902 | 21.97098 | 43.81603 | 10.44954 | 55.76046 |
| 3/27/2025 | 2:00:00 PM | 33.30964 | 59.85145 | 26.54181 | 21.18819 | 47.54462 | 14.23498 | 24.41502 | 49.35404 | 16.0444 | 23.3056 | 41.19835 | 7.88871 | 21.92129 | 43.79816 | 10.48852 | 55.72148 |
| 3/27/2025 | 3:00:00 PM | 33.30964 | 59.86216 | 26.55252 | 21.17748 | 47.55469 | 14.24505 | 24.40495 | 49.37543 | 16.06579 | 23.28421 | 41.21624 | 7.9066 | 21.9034 | 43.83033 | 10.52069 | 55.68931 |
| 3/27/2025 | 4:00:00 PM | 33.31299 | 59.86216 | 26.54917 | 21.18083 | 47.55133 | 14.23834 | 24.41166 | 49.379 | 16.06601 | 23.28399 | 41.21266 | 7.89967 | 21.91033 | 43.84105 | 10.52806 | 55.68194 |
| 3/27/2025 | 5:00:00 PM | 33.29627 | 59.82288 | 26.52661 | 21.20339 | 47.51109 | 14.21482 | 24.43518 | 49.33622 | 16.03995 | 23.31005 | 41.18046 | 7.88419 | 21.92581 | 43.80888 | 10.51261 | 55.69739 |
| 3/27/2025 | 6:00:00 PM | 33.27955 | 59.79075 | 26.5112 | 21.2188 | 47.47755 | 14.198 | 24.452 | 49.30413 | 16.02458 | 23.32542 | 41.16615 | 7.8866 | 21.9234 | 43.77314 | 10.49359 | 55.71641 |
| 3/27/2025 | 7:00:00 PM | 33.26617 | 59.79432 | 26.52815 | 21.20185 | 47.46078 | 14.19461 | 24.45539 | 49.28987 | 16.0237 | 23.3263 | 41.16615 | 7.89998 | 21.91002 | 43.79101 | 10.52484 | 55.68516 |
| 3/27/2025 | 8:00:00 PM | 33.2762 | 59.81217 | 26.53597 | 21.19403 | 47.48425 | 14.20805 | 24.44195 | 49.31126 | 16.03506 | 23.31494 | 41.1912 | 7.915 | 21.895 | 43.81603 | 10.53983 | 55.67017 |
| 3/27/2025 | 9:00:00 PM | 33.26952 | 59.8086 | 26.53908 | 21.19092 | 47.4809 | 14.21138 | 24.43862 | 49.32196 | 16.05244 | 23.29756 | 41.18762 | 7.9181 | 21.8919 | 43.82318 | 10.55366 | 55.65634 |
| 3/27/2025 | 10:00:00 PM | 33.26952 | 59.81931 | 26.54979 | 21.18021 | 47.48425 | 14.21473 | 24.43527 | 49.32196 | 16.05244 | 23.29756 | 41.17689 | 7.90737 | 21.90263 | 43.82675 | 10.55723 | 55.65277 |
| 3/27/2025 | 11:00:00 PM | 33.27286 | 59.82288 | 26.55002 | 21.17998 | 47.49432 | 14.22146 | 24.42854 | 49.33265 | 16.05979 | 23.29021 | 41.19477 | 7.92191 | 21.88809 | 43.84105 | 10.56819 | 55.64181 |
| 3/28/2025 | 12:00:00 AM | 33.25948 | 59.81217 | 26.55269 | 21.17731 | 47.4809 | 14.22142 | 24.42858 | 49.31483 | 16.05535 | 23.29465 | 41.16973 | 7.91025 | 21.89975 | 43.82675 | 10.56727 | 55.64273 |
| 3/28/2025 | 1:00:00 AM | 33.24945 | 59.79789 | 26.54844 | 21.18156 | 47.46078 | 14.21133 | 24.43867 | 49.30413 | 16.05468 | 23.29532 | 41.159 | 7.90955 | 21.90045 | 43.81603 | 10.56658 | 55.64342 |
| 3/28/2025 | 2:00:00 AM | 33.2528 | 59.81217 | 26.55937 | 21.17063 | 47.4809 | 14.2281 | 24.4219 | 49.32196 | 16.06916 | 23.28084 | 41.17689 | 7.92409 | 21.88591 | 43.83033 | 10.57753 | 55.63247 |
| 3/28/2025 | 3:00:00 AM | 33.26617 | 59.83717 | 26.571 | 21.159 | 47.50773 | 14.24156 | 24.40844 | 49.35048 | 16.08431 | 23.26569 | 41.1912 | 7.92503 | 21.88497 | 43.85534 | 10.58917 | 55.62083 |
| 3/28/2025 | 4:00:00 AM | 33.27286 | 59.84788 | 26.57502 | 21.15498 | 47.51444 | 14.24158 | 24.40842 | 49.36117 | 16.08831 | 23.26169 | 41.18404 | 7.91118 | 21.89882 | 43.86249 | 10.58963 | 55.62037 |
| 3/28/2025 | 5:00:00 AM | 33.2762 | 59.84431 | 26.56811 | 21.16189 | 47.5245 | 14.2483 | 24.4017 | 49.3683 | 16.0921 | 23.2579 | 41.17331 | 7.89711 | 21.91289 | 43.86964 | 10.59344 | 55.61656 |
| 3/28/2025 | 6:00:00 AM | 33.28624 | 59.86573 | 26.57949 | 21.15051 | 47.54462 | 14.25838 | 24.39162 | 49.39326 | 16.10702 | 23.24298 | 41.18762 | 7.90138 | 21.90862 | 43.88036 | 10.59412 | 55.61588 |
| 3/28/2025 | 7:00:00 AM | 33.28624 | 59.86573 | 26.57949 | 21.15051 | 47.55133 | 14.26509 | 24.38491 | 49.39326 | 16.10702 | 23.24298 | 41.18046 | 7.89422 | 21.91578 | 43.88036 | 10.59412 | 55.61588 |
| 3/28/2025 | 8:00:00 AM | 33.29961 | 59.88359 | 26.58398 | 21.14602 | 47.57145 | 14.27184 | 24.37816 | 49.41465 | 16.11504 | 23.23496 | 41.19477 | 7.89516 | 21.91484 | 43.88751 | 10.5879 | 55.6221 |
| 3/28/2025 | 9:00:00 AM | 33.30964 | 59.89073 | 26.58109 | 21.14891 | 47.59493 | 14.28529 | 24.36471 | 49.43248 | 16.12284 | 23.22716 | 41.19477 | 7.88513 | 21.92487 | 43.89823 | 10.58859 | 55.62141 |
| 3/28/2025 | 10:00:00 AM | 33.32302 | 59.90858 | 26.58556 | 21.14444 | 47.61841 | 14.29539 | 24.35461 | 49.45387 | 16.13085 | 23.21915 | 41.19835 | 7.87533 | 21.93467 | 43.9161 | 10.59308 | 55.61692 |
| 3/28/2025 | 11:00:00 AM | 33.33305 | 59.92287 | 26.58982 | 21.14018 | 47.63182 | 14.29877 | 24.35123 | 49.46813 | 16.13508 | 23.21492 | 41.20193 | 7.86888 | 21.94112 | 43.90895 | 10.5759 | 55.6341 |
| 3/28/2025 | 12:00:00 PM | 33.33974 | 59.93001 | 26.59027 | 21.13973 | 47.65195 | 14.31221 | 24.33779 | 49.47883 | 16.13909 | 23.21091 | 41.20551 | 7.86577 | 21.94423 | 43.9161 | 10.57636 | 55.63364 |
| 3/28/2025 | 1:00:00 PM | 33.34643 | 59.93358 | 26.58715 | 21.14285 | 47.66872 | 14.32229 | 24.32771 | 49.49309 | 16.14666 | 23.20334 | 41.20193 | 7.8555 | 21.9545 | 43.91253 | 10.5661 | 55.6439 |
| 3/28/2025 | 2:00:00 PM | 33.35646 | 59.95143 | 26.59497 | 21.13503 | 47.67543 | 14.31897 | 24.33103 | 49.49309 | 16.13663 | 23.21337 | 41.20193 | 7.84547 | 21.96453 | 43.91253 | 10.55607 | 55.65393 |
| 3/28/2025 | 3:00:00 PM | 33.36649 | 59.95858 | 26.59209 | 21.13791 | 47.68884 | 14.32235 | 24.32765 | 49.50378 | 16.13729 | 23.21271 | 41.19477 | 7.82828 | 21.98172 | 43.90895 | 10.54246 | 55.66754 |
| 3/28/2025 | 4:00:00 PM | 33.36649 | 59.95858 | 26.59209 | 21.13791 | 47.69219 | 14.3257 | 24.3243 | 49.51092 | 16.14443 | 23.20557 | 41.20193 | 7.83544 | 21.97456 | 43.90538 | 10.53889 | 55.67111 |
| 3/28/2025 | 5:00:00 PM | 33.37652 | 59.96929 | 26.59277 | 21.13723 | 47.71567 | 14.33915 | 24.31085 | 49.52161 | 16.14509 | 23.20491 | 41.20551 | 7.82899 | 21.98101 | 43.90895 | 10.53243 | 55.67757 |
| 3/28/2025 | 6:00:00 PM | 33.37987 | 59.98 | 26.60013 | 21.12987 | 47.72238 | 14.34251 | 24.30749 | 49.53944 | 16.15957 | 23.19043 | 41.21266 | 7.83279 | 21.97721 | 43.9161 | 10.53623 | 55.67377 |
| 3/28/2025 | 7:00:00 PM | 33.38656 | 59.99429 | 26.60773 | 21.12227 | 47.74586 | 14.3593 | 24.2907 | 49.55726 | 16.1707 | 23.1793 | 41.21624 | 7.82968 | 21.98032 | 43.92682 | 10.54026 | 55.66974 |
| 3/28/2025 | 8:00:00 PM | 33.39659 | 60.01214 | 26.61555 | 21.11445 | 47.76933 | 14.37274 | 24.27726 | 49.56796 | 16.17137 | 23.17863 | 41.23055 | 7.83396 | 21.97604 | 43.93039 | 10.5338 | 55.6762 |
| 3/28/2025 | 9:00:00 PM | 33.39993 | 60.05499 | 26.65506 | 21.07494 | 47.79952 | 14.39959 | 24.25041 | 49.60718 | 16.20725 | 23.14275 | 41.25202 | 7.85209 | 21.95791 | 43.95541 | 10.55548 | 55.65452 |
| 3/28/2025 | 10:00:00 PM | 33.39993 | 60.06213 | 26.6622 | 21.0678 | 47.8297 | 14.42977 | 24.22023 | 49.62857 | 16.22864 | 23.12136 | 41.26275 | 7.86282 | 21.94718 | 43.96613 | 10.5662 | 55.6438 |
| 3/28/2025 | 11:00:00 PM | 33.40996 | 60.0657 | 26.65574 | 21.07426 | 47.83977 | 14.42981 | 24.22019 | 49.62857 | 16.21861 | 23.13139 | 41.25202 | 7.84206 | 21.96794 | 43.95541 | 10.54545 | 55.66455 |
| 3/29/2025 | 12:00:00 AM | 33.43003 | 60.07999 | 26.64996 | 21.08004 | 47.84647 | 14.41644 | 24.23356 | 49.65353 | 16.2235 | 23.1265 | 41.2556 | 7.82557 | 21.98443 | 43.95184 | 10.52181 | 55.68819 |
| 3/29/2025 | 1:00:00 AM | 33.43672 | 60.08713 | 26.65041 | 21.07959 | 47.86324 | 14.42652 | 24.22348 | 49.65353 | 16.21681 | 23.13319 | 41.25202 | 7.8153 | 21.9947 | 43.95184 | 10.51512 | 55.69488 |
| 3/29/2025 | 2:00:00 AM | 33.46012 | 60.10498 | 26.64486 | 21.08514 | 47.88337 | 14.42325 | 24.22675 | 49.66422 | 16.2041 | 23.1459 | 41.26275 | 7.80263 | 22.00737 | 43.94469 | 10.48457 | 55.72543 |
| 3/29/2025 | 3:00:00 AM | 33.48353 | 60.1157 | 26.63217 | 21.09783 | 47.89343 | 14.4099 | 24.2401 | 49.67135 | 16.18782 | 23.16218 | 41.26991 | 7.78638 | 22.02362 | 43.94826 | 10.46473 | 55.74527 |
| 3/29/2025 | 4:00:00 AM | 33.49356 | 60.11927 | 26.62571 | 21.10429 | 47.90349 | 14.40993 | 24.24007 | 49.67848 | 16.18492 | 23.16508 | 41.27349 | 7.77993 | 22.03007 | 43.94826 | 10.4547 | 55.7553 |
| 3/29/2025 | 5:00:00 AM | 33.50694 | 60.13355 | 26.62661 | 21.10339 | 47.92026 | 14.41332 | 24.23668 | 49.69631 | 16.18937 | 23.16063 | 41.28422 | 7.77728 | 22.03272 | 43.95541 | 10.44847 | 55.76153 |
| 3/29/2025 | 6:00:00 AM | 33.52366 | 60.14069 | 26.61703 | 21.11297 | 47.92026 | 14.3966 | 24.2534 | 49.70344 | 16.17978 | 23.17022 | 41.27706 | 7.7534 | 22.0566 | 43.94826 | 10.4246 | 55.7854 |
| 3/29/2025 | 7:00:00 AM | 33.527 | 60.15497 | 26.62797 | 21.10203 | 47.94038 | 14.41338 | 24.23662 | 49.70701 | 16.18001 | 23.16999 | 41.29137 | 7.76437 | 22.04563 | 43.94826 | 10.42126 | 55.78874 |
| 3/29/2025 | 8:00:00 AM | 33.53704 | 60.16569 | 26.62865 | 21.10135 | 47.95044 | 14.4134 | 24.2366 | 49.7177 | 16.18066 | 23.16934 | 41.29495 | 7.75791 | 22.05209 | 43.95541 | 10.41837 | 55.79163 |
| 3/29/2025 | 9:00:00 AM | 33.55376 | 60.16926 | 26.6155 | 21.1145 | 47.95044 | 14.39668 | 24.25332 | 49.72127 | 16.16751 | 23.18249 | 41.30569 | 7.75193 | 22.05807 | 43.95541 | 10.40165 | 55.80835 |
| 3/29/2025 | 10:00:00 AM | 33.56044 | 60.19068 | 26.63024 | 21.09976 | 47.96721 | 14.40677 | 24.24323 | 49.73196 | 16.17152 | 23.17848 | 41.31642 | 7.75598 | 22.05402 | 43.95184 | 10.3914 | 55.8186 |
| 3/29/2025 | 11:00:00 AM | 33.58051 | 60.19783 | 26.61732 | 21.11268 | 47.97727 | 14.39676 | 24.25324 | 49.73553 | 16.15502 | 23.19498 | 41.32357 | 7.74306 | 22.06694 | 43.95541 | 10.3749 | 55.8351 |
| 3/29/2025 | 12:00:00 PM | 33.5872 | 60.19068 | 26.60348 | 21.12652 | 47.97057 | 14.38337 | 24.26663 | 49.73909 | 16.15189 | 23.19811 | 41.32 | 7.7328 | 22.0772 | 43.94469 | 10.35749 | 55.85251 |
| 3/29/2025 | 1:00:00 PM | 33.59388 | 60.18711 | 26.59323 | 21.13677 | 47.97057 | 14.37669 | 24.27331 | 49.7284 | 16.13452 | 23.21548 | 41.31642 | 7.72254 | 22.08746 | 43.93397 | 10.34009 | 55.86991 |
| 3/29/2025 | 2:00:00 PM | 33.58385 | 60.18354 | 26.59969 | 21.13031 | 47.9538 | 14.36995 | 24.28005 | 49.7177 | 16.13385 | 23.21615 | 41.31642 | 7.73257 | 22.07743 | 43.91967 | 10.33582 | 55.87418 |
| 3/29/2025 | 3:00:00 PM | 33.60057 | 60.16926 | 26.56869 | 21.16131 | 47.94374 | 14.34317 | 24.30683 | 49.70701 | 16.10644 | 23.24356 | 41.31642 | 7.71585 | 22.09415 | 43.90538 | 10.30481 | 55.90519 |
| 3/29/2025 | 4:00:00 PM | 33.60057 | 60.17997 | 26.5794 | 21.1506 | 47.93703 | 14.33646 | 24.31354 | 49.68918 | 16.08861 | 23.26139 | 41.32 | 7.71943 | 22.09057 | 43.9018 | 10.30123 | 55.90877 |
| 3/29/2025 | 5:00:00 PM | 33.59054 | 60.15497 | 26.56443 | 21.16557 | 47.91355 | 14.32301 | 24.32699 | 49.66422 | 16.07368 | 23.27632 | 41.30926 | 7.71872 | 22.09128 | 43.88036 | 10.28982 | 55.92018 |
| 3/29/2025 | 6:00:00 PM | 33.58385 | 60.15497 | 26.57112 | 21.15888 | 47.89678 | 14.31293 | 24.33707 | 49.64996 | 16.06611 | 23.28389 | 41.31642 | 7.73257 | 22.07743 | 43.88036 | 10.29651 | 55.91349 |
| 3/29/2025 | 7:00:00 PM | 33.57382 | 60.15855 | 26.58473 | 21.14527 | 47.89678 | 14.32296 | 24.32704 | 49.6464 | 16.07258 | 23.27742 | 41.33073 | 7.75691 | 22.05309 | 43.89466 | 10.32084 | 55.88916 |
| 3/29/2025 | 8:00:00 PM | 33.55376 | 60.1514 | 26.59764 | 21.13236 | 47.88672 | 14.33296 | 24.31704 | 49.64283 | 16.08907 | 23.26093 | 41.33073 | 7.77697 | 22.03303 | 43.88751 | 10.33375 | 55.87625 |
| 3/29/2025 | 9:00:00 PM | 33.54372 | 60.16569 | 26.62197 | 21.10803 | 47.87666 | 14.33294 | 24.31706 | 49.62857 | 16.08485 | 23.26515 | 41.33789 | 7.79417 | 22.01583 | 43.88751 | 10.34379 | 55.86621 |
| 3/29/2025 | 10:00:00 PM | 33.53369 | 60.15855 | 26.62486 | 21.10514 | 47.86324 | 14.32955 | 24.32045 | 49.61787 | 16.08418 | 23.26582 | 41.33789 | 7.8042 | 22.0058 | 43.88036 | 10.34667 | 55.86333 |
| 3/29/2025 | 11:00:00 PM | 33.52032 | 60.14069 | 26.62037 | 21.10963 | 47.84647 | 14.32615 | 24.32385 | 49.60361 | 16.08329 | 23.26671 | 41.33073 | 7.81041 | 21.99959 | 43.88393 | 10.36361 | 55.84639 |
| 3/30/2025 | 12:00:00 AM | 33.5036 | 60.12641 | 26.62281 | 21.10719 | 47.82635 | 14.32275 | 24.32725 | 49.57866 | 16.07506 | 23.27494 | 41.32357 | 7.81997 | 21.99003 | 43.85892 | 10.35532 | 55.85468 |
| 3/30/2025 | 1:00:00 AM | 33.48353 | 60.11212 | 26.62859 | 21.10141 | 47.79952 | 14.31599 | 24.33401 | 49.55013 | 16.0666 | 23.2834 | 41.31284 | 7.82931 | 21.98069 | 43.84105 | 10.35752 | 55.85248 |
| 3/30/2025 | 2:00:00 AM | 33.4735 | 60.10498 | 26.63148 | 21.09852 | 47.7861 | 14.3126 | 24.3374 | 49.53587 | 16.06237 | 23.28763 | 41.31642 | 7.84292 | 21.96708 | 43.83747 | 10.36397 | 55.84603 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/30/2025 | 3:00:00 AM | 33.45678 | 60.08713 | 26.63035 | 21.09965 | 47.75592 | 14.29914 | 24.35086 | 49.50378 | 16.047 | 23.303 | 41.30211 | 7.84533 | 21.96467 | 43.82675 | 10.36997 | 55.84003 |
| 3/30/2025 | 4:00:00 AM | 33.44006 | 60.05856 | 26.6185 | 21.1115 | 47.72238 | 14.28232 | 24.36768 | 49.4717 | 16.03164 | 23.31836 | 41.30211 | 7.86205 | 21.94795 | 43.80888 | 10.36882 | 55.84118 |
| 3/30/2025 | 5:00:00 AM | 33.42334 | 60.04785 | 26.62451 | 21.10549 | 47.69555 | 14.27221 | 24.37779 | 49.44674 | 16.0234 | 23.3266 | 41.29495 | 7.87161 | 21.93839 | 43.80531 | 10.38197 | 55.82803 |
| 3/30/2025 | 6:00:00 AM | 33.40328 | 60.02999 | 26.62671 | 21.10329 | 47.66536 | 14.26208 | 24.38792 | 49.41822 | 16.01494 | 23.33506 | 41.29137 | 7.88809 | 21.92191 | 43.79459 | 10.39131 | 55.81869 |
| 3/30/2025 | 7:00:00 AM | 33.40328 | 60.02285 | 26.61957 | 21.11043 | 47.65195 | 14.24867 | 24.40133 | 49.40752 | 16.00424 | 23.34576 | 41.30211 | 7.89883 | 21.91117 | 43.80888 | 10.4056 | 55.8044 |
| 3/30/2025 | 8:00:00 AM | 33.40996 | 60.01928 | 26.60932 | 21.12068 | 47.63853 | 14.22857 | 24.42143 | 49.39683 | 15.98687 | 23.36313 | 41.30211 | 7.89215 | 21.91785 | 43.81246 | 10.4025 | 55.8075 |
| 3/30/2025 | 9:00:00 AM | 33.39993 | 60.00143 | 26.6015 | 21.1285 | 47.61841 | 14.21848 | 24.43152 | 49.3683 | 15.96837 | 23.38163 | 41.2878 | 7.88787 | 21.92213 | 43.80173 | 10.4018 | 55.8082 |
| 3/30/2025 | 10:00:00 AM | 33.40662 | 59.98714 | 26.58052 | 21.14948 | 47.58822 | 14.1816 | 24.4684 | 49.35404 | 15.94742 | 23.40258 | 41.28422 | 7.8776 | 21.9324 | 43.79459 | 10.38797 | 55.82203 |
| 3/30/2025 | 11:00:00 AM | 33.40328 | 59.95501 | 26.55173 | 21.17827 | 47.55469 | 14.15141 | 24.49859 | 49.31839 | 15.91511 | 23.43489 | 41.26991 | 7.86663 | 21.94337 | 43.78029 | 10.37701 | 55.83299 |
| 3/30/2025 | 12:00:00 PM | 33.40328 | 59.92287 | 26.51959 | 21.21041 | 47.51109 | 14.10781 | 24.54219 | 49.27204 | 15.86876 | 23.48124 | 41.24844 | 7.84516 | 21.96484 | 43.75527 | 10.35199 | 55.85801 |
| 3/30/2025 | 1:00:00 PM | 33.40662 | 59.89073 | 26.48411 | 21.24589 | 47.47755 | 14.07093 | 24.57907 | 49.23639 | 15.82977 | 23.52023 | 41.24129 | 7.83467 | 21.97533 | 43.74455 | 10.33793 | 55.87207 |
| 3/30/2025 | 2:00:00 PM | 33.42668 | 59.86573 | 26.43905 | 21.29095 | 47.43059 | 14.00391 | 24.64609 | 49.19004 | 15.76336 | 23.58664 | 41.21982 | 7.79314 | 22.01686 | 43.72311 | 10.29643 | 55.91357 |
| 3/30/2025 | 3:00:00 PM | 33.4434 | 59.82645 | 26.38305 | 21.34695 | 47.39035 | 13.94695 | 24.70305 | 49.15082 | 15.70742 | 23.64258 | 41.21624 | 7.77284 | 22.03716 | 43.71239 | 10.26899 | 55.94101 |
| 3/30/2025 | 4:00:00 PM | 33.43337 | 59.81574 | 26.38237 | 21.34763 | 47.35345 | 13.92008 | 24.72992 | 49.1223 | 15.68893 | 23.66107 | 41.20551 | 7.77214 | 22.03786 | 43.70881 | 10.27544 | 55.93456 |
| 3/30/2025 | 5:00:00 PM | 33.37318 | 59.80146 | 26.42828 | 21.30172 | 47.32662 | 13.95344 | 24.69656 | 49.09378 | 15.7206 | 23.6294 | 41.20551 | 7.83233 | 21.97767 | 43.70881 | 10.33563 | 55.87437 |
| 3/30/2025 | 6:00:00 PM | 33.34308 | 59.7836 | 26.44052 | 21.28948 | 47.30314 | 13.96006 | 24.68994 | 49.07595 | 15.73287 | 23.61713 | 41.20193 | 7.85885 | 21.95115 | 43.71953 | 10.37645 | 55.83355 |
| 3/30/2025 | 7:00:00 PM | 33.3364 | 59.7836 | 26.4472 | 21.2828 | 47.28302 | 13.94662 | 24.70338 | 49.05813 | 15.72173 | 23.62827 | 41.19835 | 7.86195 | 21.94805 | 43.73383 | 10.39743 | 55.81257 |
| 3/30/2025 | 8:00:00 PM | 33.31633 | 59.75147 | 26.43514 | 21.29486 | 47.25954 | 13.94321 | 24.70679 | 49.03673 | 15.7204 | 23.6296 | 41.18762 | 7.87129 | 21.93871 | 43.71953 | 10.4032 | 55.8068 |
| 3/30/2025 | 9:00:00 PM | 33.31968 | 59.7836 | 26.46392 | 21.26608 | 47.27967 | 13.95999 | 24.69001 | 49.05813 | 15.73845 | 23.61155 | 41.2234 | 7.90372 | 21.90628 | 43.75885 | 10.43917 | 55.77083 |
| 3/30/2025 | 10:00:00 PM | 33.3364 | 59.81931 | 26.48291 | 21.24709 | 47.30985 | 13.97345 | 24.67655 | 49.08308 | 15.74668 | 23.60332 | 41.23771 | 7.90131 | 21.90869 | 43.80888 | 10.47248 | 55.73752 |
| 3/30/2025 | 11:00:00 PM | 33.3364 | 59.81217 | 26.47577 | 21.25423 | 47.32327 | 13.98687 | 24.66313 | 49.09021 | 15.75381 | 23.59619 | 41.22697 | 7.89057 | 21.91943 | 43.81603 | 10.47963 | 55.73037 |
| 3/31/2025 | 12:00:00 AM | 33.34308 | 59.84431 | 26.50123 | 21.22877 | 47.35681 | 14.01373 | 24.63627 | 49.12587 | 15.78279 | 23.56721 | 41.23413 | 7.89105 | 21.91895 | 43.85177 | 10.50869 | 55.70131 |
| 3/31/2025 | 1:00:00 AM | 33.34977 | 59.85502 | 26.50525 | 21.22475 | 47.37358 | 14.02381 | 24.62619 | 49.14013 | 15.79036 | 23.55964 | 41.22697 | 7.8772 | 21.9328 | 43.85892 | 10.50915 | 55.70085 |
| 3/31/2025 | 2:00:00 AM | 33.34977 | 59.85502 | 26.50525 | 21.22475 | 47.3937 | 14.04393 | 24.60607 | 49.15795 | 15.80818 | 23.54182 | 41.21982 | 7.87005 | 21.93995 | 43.85892 | 10.50915 | 55.70085 |
| 3/31/2025 | 3:00:00 AM | 33.34977 | 59.85145 | 26.50168 | 21.22832 | 47.3937 | 14.04393 | 24.60607 | 49.15439 | 15.80462 | 23.54538 | 41.20909 | 7.85932 | 21.95068 | 43.85892 | 10.50915 | 55.70085 |
| 3/31/2025 | 4:00:00 AM | 33.34977 | 59.85145 | 26.50168 | 21.22832 | 47.40041 | 14.05064 | 24.59936 | 49.15082 | 15.80105 | 23.54895 | 41.19835 | 7.84858 | 21.96142 | 43.85177 | 10.502 | 55.708 |
| 3/31/2025 | 5:00:00 AM | 33.33974 | 59.84788 | 26.50814 | 21.22186 | 47.40711 | 14.06737 | 24.58263 | 49.15795 | 15.81821 | 23.53179 | 41.20551 | 7.86577 | 21.94423 | 43.85177 | 10.51203 | 55.69797 |
| 3/31/2025 | 6:00:00 AM | 33.34308 | 59.85145 | 26.50837 | 21.22163 | 47.41718 | 14.0741 | 24.5759 | 49.16152 | 15.81844 | 23.53156 | 41.20193 | 7.85885 | 21.95115 | 43.85534 | 10.51226 | 55.69774 |
| 3/31/2025 | 7:00:00 AM | 33.34977 | 59.87645 | 26.52668 | 21.20332 | 47.43395 | 14.08418 | 24.56582 | 49.17935 | 15.82958 | 23.52042 | 41.20909 | 7.85932 | 21.95068 | 43.86249 | 10.51272 | 55.69728 |
| 3/31/2025 | 8:00:00 AM | 33.34977 | 59.88359 | 26.53382 | 21.19618 | 47.44736 | 14.09759 | 24.55241 | 49.18648 | 15.83671 | 23.51329 | 41.21624 | 7.86647 | 21.94353 | 43.87679 | 10.52702 | 55.68298 |
| 3/31/2025 | 9:00:00 AM | 33.35646 | 59.87645 | 26.51999 | 21.21001 | 47.44065 | 14.08419 | 24.56581 | 49.17935 | 15.82289 | 23.52711 | 41.19835 | 7.84189 | 21.96811 | 43.85534 | 10.49888 | 55.71112 |
| 3/31/2025 | 10:00:00 AM | 33.33974 | 59.87288 | 26.53314 | 21.19686 | 47.45072 | 14.11098 | 24.53902 | 49.18291 | 15.84317 | 23.50683 | 41.19477 | 7.85503 | 21.95497 | 43.85534 | 10.5156 | 55.6944 |
| 3/31/2025 | 11:00:00 AM | 33.34308 | 59.86573 | 26.52265 | 21.20735 | 47.44401 | 14.10093 | 24.54907 | 49.17578 | 15.8327 | 23.5173 | 41.19477 | 7.85169 | 21.95831 | 43.85177 | 10.50869 | 55.70131 |
| 3/31/2025 | 12:00:00 PM | 33.35312 | 59.85859 | 26.50547 | 21.22453 | 47.4373 | 14.08418 | 24.56582 | 49.16865 | 15.81553 | 23.53447 | 41.18404 | 7.83092 | 21.97908 | 43.83747 | 10.48435 | 55.72565 |
| 3/31/2025 | 1:00:00 PM | 33.37652 | 59.85859 | 26.48207 | 21.24793 | 47.43059 | 14.05407 | 24.59593 | 49.15795 | 15.78143 | 23.56857 | 41.17689 | 7.80037 | 22.00963 | 43.83033 | 10.45381 | 55.75619 |
| 3/31/2025 | 2:00:00 PM | 33.39659 | 59.85859 | 26.462 | 21.268 | 47.44065 | 14.04406 | 24.60594 | 49.15795 | 15.76136 | 23.58864 | 41.18046 | 7.78387 | 22.02613 | 43.8339 | 10.43731 | 55.77269 |
| 3/31/2025 | 3:00:00 PM | 33.39659 | 59.83717 | 26.44058 | 21.28942 | 47.42724 | 14.03065 | 24.61935 | 49.14369 | 15.7471 | 23.6029 | 41.16257 | 7.76598 | 22.04402 | 43.82318 | 10.42659 | 55.78341 |
| 3/31/2025 | 4:00:00 PM | 33.3899 | 59.84074 | 26.45084 | 21.27916 | 47.41718 | 14.02728 | 24.62272 | 49.14013 | 15.75023 | 23.59977 | 41.16615 | 7.77625 | 22.03375 | 43.8196 | 10.4297 | 55.7803 |
| 3/31/2025 | 5:00:00 PM | 33.38656 | 59.85145 | 26.46489 | 21.26511 | 47.43059 | 14.04403 | 24.60597 | 49.14726 | 15.7607 | 23.5893 | 41.17689 | 7.79033 | 22.01967 | 43.8339 | 10.44734 | 55.76266 |
| 3/31/2025 | 6:00:00 PM | 33.37987 | 59.85502 | 26.47515 | 21.25485 | 47.43059 | 14.05072 | 24.59928 | 49.14726 | 15.76739 | 23.58261 | 41.17331 | 7.79344 | 22.01656 | 43.82675 | 10.44688 | 55.76312 |
| 3/31/2025 | 7:00:00 PM | 33.38321 | 59.85502 | 26.47181 | 21.25819 | 47.4373 | 14.05409 | 24.59591 | 49.15082 | 15.76761 | 23.58239 | 41.18046 | 7.79725 | 22.01275 | 43.84105 | 10.45784 | 55.75216 |
| 3/31/2025 | 8:00:00 PM | 33.38321 | 59.8693 | 26.48609 | 21.24391 | 47.44736 | 14.06415 | 24.58585 | 49.16508 | 15.78187 | 23.56813 | 41.18404 | 7.80083 | 22.00917 | 43.85177 | 10.46856 | 55.74144 |
| 3/31/2025 | 9:00:00 PM | 33.38656 | 59.8943 | 26.50774 | 21.22226 | 47.4809 | 14.09434 | 24.55566 | 49.17935 | 15.79279 | 23.55721 | 41.19835 | 7.81179 | 21.99821 | 43.87679 | 10.49023 | 55.71977 |
| 3/31/2025 | 10:00:00 PM | 33.37987 | 59.90144 | 26.52157 | 21.20843 | 47.48425 | 14.10438 | 24.54562 | 49.19004 | 15.81017 | 23.53983 | 41.19477 | 7.8149 | 21.9951 | 43.87321 | 10.49334 | 55.71666 |
| 3/31/2025 | 11:00:00 PM | 33.37987 | 59.89787 | 26.518 | 21.212 | 47.49767 | 14.1178 | 24.5322 | 49.19361 | 15.81374 | 23.53626 | 41.18762 | 7.80775 | 22.00225 | 43.86964 | 10.48977 | 55.72023 |
| 4/1/2025 | 12:00:00 AM | 33.38321 | 59.90858 | 26.52537 | 21.20463 | 47.50102 | 14.11781 | 24.53219 | 49.20074 | 15.81753 | 23.53247 | 41.19477 | 7.81156 | 21.99844 | 43.86606 | 10.48285 | 55.72715 |
| 4/1/2025 | 1:00:00 AM | 33.38656 | 59.90858 | 26.52202 | 21.20798 | 47.51109 | 14.12453 | 24.52547 | 49.21143 | 15.82487 | 23.52513 | 41.18762 | 7.80106 | 22.00894 | 43.87679 | 10.49023 | 55.71977 |
| 4/1/2025 | 2:00:00 AM | 33.36984 | 59.90501 | 26.53517 | 21.19483 | 47.50438 | 14.13454 | 24.51546 | 49.20074 | 15.8309 | 23.5191 | 41.18046 | 7.81062 | 21.99938 | 43.86249 | 10.49265 | 55.71735 |
| 4/1/2025 | 3:00:00 AM | 33.37318 | 59.91216 | 26.53898 | 21.19102 | 47.51109 | 14.13791 | 24.51209 | 49.2043 | 15.83112 | 23.51888 | 41.18404 | 7.81086 | 21.99914 | 43.85892 | 10.48574 | 55.72426 |
| 4/1/2025 | 4:00:00 AM | 33.37318 | 59.91216 | 26.53898 | 21.19102 | 47.51444 | 14.14126 | 24.50874 | 49.20787 | 15.83469 | 23.51531 | 41.18762 | 7.81444 | 21.99556 | 43.86606 | 10.49288 | 55.71712 |
| 4/1/2025 | 5:00:00 AM | 33.37318 | 59.9193 | 26.54612 | 21.18388 | 47.5245 | 14.15132 | 24.49868 | 49.21143 | 15.83825 | 23.51175 | 41.18404 | 7.81086 | 21.99914 | 43.86606 | 10.49288 | 55.71712 |
| 4/1/2025 | 6:00:00 AM | 33.36984 | 59.91573 | 26.54589 | 21.18411 | 47.52785 | 14.15801 | 24.49199 | 49.20787 | 15.83803 | 23.51197 | 41.18762 | 7.81778 | 21.99222 | 43.85177 | 10.48193 | 55.72807 |
| 4/1/2025 | 7:00:00 AM | 33.37652 | 59.93358 | 26.55706 | 21.17294 | 47.53456 | 14.15804 | 24.49196 | 49.215 | 15.83848 | 23.51152 | 41.18404 | 7.80752 | 22.00248 | 43.86964 | 10.49312 | 55.71688 |
| 4/1/2025 | 8:00:00 AM | 33.37987 | 59.93715 | 26.55728 | 21.17272 | 47.54462 | 14.16475 | 24.48525 | 49.22569 | 15.84582 | 23.50418 | 41.1912 | 7.81133 | 21.99867 | 43.86964 | 10.48977 | 55.72023 |
| 4/1/2025 | 9:00:00 AM | 33.3899 | 59.94786 | 26.55796 | 21.17204 | 47.55804 | 14.16814 | 24.48186 | 49.23995 | 15.85005 | 23.49995 | 41.19835 | 7.80845 | 22.00155 | 43.87321 | 10.48331 | 55.72669 |
| 4/1/2025 | 10:00:00 AM | 33.3899 | 59.95858 | 26.56868 | 21.16132 | 47.58152 | 14.19162 | 24.45838 | 49.25422 | 15.86432 | 23.48568 | 41.20909 | 7.81919 | 21.99081 | 43.88393 | 10.49403 | 55.71597 |
| 4/1/2025 | 11:00:00 AM | 33.40662 | 59.97286 | 26.56624 | 21.16376 | 47.60499 | 14.19837 | 24.45163 | 49.27561 | 15.86899 | 23.48101 | 41.21982 | 7.8132 | 21.9968 | 43.89108 | 10.48446 | 55.72554 |
| 4/1/2025 | 12:00:00 PM | 33.41665 | 59.98714 | 26.57049 | 21.15951 | 47.62176 | 14.20511 | 24.44489 | 49.27917 | 15.86252 | 23.48748 | 41.20909 | 7.79244 | 22.01756 | 43.89466 | 10.47801 | 55.73199 |
| 4/1/2025 | 1:00:00 PM | 33.42 | 59.98714 | 26.56714 | 21.16286 | 47.62176 | 14.20176 | 24.44824 | 49.28274 | 15.86274 | 23.48726 | 41.20551 | 7.78551 | 22.02449 | 43.88036 | 10.46036 | 55.74964 |
| 4/1/2025 | 2:00:00 PM | 33.42668 | 59.99071 | 26.56403 | 21.16597 | 47.64189 | 14.21521 | 24.43479 | 49.28987 | 15.86319 | 23.48681 | 41.21624 | 7.78956 | 22.02044 | 43.88036 | 10.45368 | 55.75632 |
| 4/1/2025 | 3:00:00 PM | 33.43003 | 59.97643 | 26.5464 | 21.1836 | 47.64524 | 14.21521 | 24.43479 | 49.297 | 15.86697 | 23.48303 | 41.20551 | 7.77548 | 22.03452 | 43.86964 | 10.43961 | 55.77039 |
| 4/1/2025 | 4:00:00 PM | 33.43337 | 59.98714 | 26.55377 | 21.17623 | 47.65866 | 14.22529 | 24.42471 | 49.30056 | 15.86719 | 23.48281 | 41.20909 | 7.77572 | 22.03428 | 43.86249 | 10.42912 | 55.78088 |
| 4/1/2025 | 5:00:00 PM | 33.43672 | 59.98357 | 26.54685 | 21.18315 | 47.65866 | 14.22194 | 24.42806 | 49.29343 | 15.85671 | 23.49329 | 41.20551 | 7.76879 | 22.04121 | 43.85892 | 10.4222 | 55.7878 |
| 4/1/2025 | 6:00:00 PM | 33.4434 | 59.99429 | 26.55089 | 21.17911 | 47.66872 | 14.22532 | 24.42468 | 49.30413 | 15.86073 | 23.48927 | 41.21266 | 7.76926 | 22.04074 | 43.86964 | 10.42624 | 55.78376 |
| 4/1/2025 | 7:00:00 PM | 33.44006 | 60.00143 | 26.56137 | 21.16863 | 47.66872 | 14.22866 | 24.42134 | 49.31126 | 15.8712 | 23.4788 | 41.21982 | 7.77976 | 22.03024 | 43.86606 | 10.426 | 55.784 |
| 4/1/2025 | 8:00:00 PM | 33.4434 | 60.00143 | 26.55803 | 21.17197 | 47.68213 | 14.23873 | 24.41127 | 49.32196 | 15.87856 | 23.47144 | 41.23413 | 7.79073 | 22.01927 | 43.86964 | 10.42624 | 55.78376 |
| 4/1/2025 | 9:00:00 PM | 33.44006 | 60.02285 | 26.58279 | 21.14721 | 47.70561 | 14.26555 | 24.38445 | 49.33978 | 15.89972 | 23.45028 | 41.24129 | 7.80123 | 22.00877 | 43.89108 | 10.45102 | 55.75898 |
| 4/1/2025 | 10:00:00 PM | 33.44675 | 60.02642 | 26.57967 | 21.15033 | 47.71567 | 14.26892 | 24.38108 | 49.34335 | 15.8966 | 23.4534 | 41.23771 | 7.79096 | 22.01904 | 43.88751 | 10.44076 | 55.76924 |
| 4/1/2025 | 11:00:00 PM | 33.4434 | 60.02285 | 26.57945 | 21.15055 | 47.71567 | 14.27227 | 24.37773 | 49.35048 | 15.90708 | 23.44292 | 41.23055 | 7.78715 | 22.02285 | 43.87679 | 10.43339 | 55.77661 |
| 4/2/2025 | 12:00:00 AM | 33.44675 | 60.02285 | 26.5761 | 21.1539 | 47.72573 | 14.27898 | 24.37102 | 49.35761 | 15.91086 | 23.43914 | 41.24486 | 7.79811 | 22.01189 | 43.88393 | 10.43718 | 55.77282 |
| 4/2/2025 | 1:00:00 AM | 33.44675 | 60.03357 | 26.58682 | 21.14318 | 47.72238 | 14.27563 | 24.37437 | 49.36474 | 15.91799 | 23.43201 | 41.23771 | 7.79096 | 22.01904 | 43.88036 | 10.43361 | 55.77639 |
| 4/2/2025 | 2:00:00 AM | 33.4434 | 60.03714 | 26.59374 | 21.13626 | 47.73244 | 14.28904 | 24.36096 | 49.36117 | 15.91777 | 23.43223 | 41.24486 | 7.80146 | 22.00854 | 43.88751 | 10.44411 | 55.76589 |
| 4/2/2025 | 3:00:00 AM | 33.43337 | 60.04785 | 26.61448 | 21.11552 | 47.7358 | 14.30243 | 24.34757 | 49.3683 | 15.93493 | 23.41507 | 41.24844 | 7.81507 | 21.99493 | 43.88751 | 10.45414 | 55.75586 |
| 4/2/2025 | 4:00:00 AM | 33.43003 | 60.04785 | 26.61782 | 21.11218 | 47.7358 | 14.30577 | 24.34423 | 49.38257 | 15.95254 | 23.39746 | 41.24844 | 7.81841 | 21.99159 | 43.88393 | 10.4539 | 55.7561 |
| 4/2/2025 | 5:00:00 AM | 33.43337 | 60.04071 | 26.60734 | 21.12266 | 47.73915 | 14.30578 | 24.34422 | 49.37543 | 15.94206 | 23.40794 | 41.24844 | 7.81507 | 21.99493 | 43.87321 | 10.43984 | 55.77016 |
| 4/2/2025 | 6:00:00 AM | 33.41665 | 60.05142 | 26.63477 | 21.09523 | 47.7358 | 14.31915 | 24.33085 | 49.379 | 15.96235 | 23.38765 | 41.2556 | 7.83895 | 21.97105 | 43.87321 | 10.45656 | 55.75344 |
| 4/2/2025 | 7:00:00 AM | 33.43003 | 60.06213 | 26.6321 | 21.0979 | 47.74586 | 14.31583 | 24.33417 | 49.38613 | 15.9561 | 23.3939 | 41.26633 | 7.8363 | 21.9737 | 43.88751 | 10.45748 | 55.75252 |
| 4/2/2025 | 8:00:00 AM | 33.43672 | 60.07642 | 26.6397 | 21.0903 | 47.76598 | 14.32926 | 24.32074 | 49.39683 | 15.96011 | 23.38989 | 41.28422 | 7.8475 | 21.9625 | 43.89466 | 10.45794 | 55.75206 |
| 4/2/2025 | 9:00:00 AM | 33.45009 | 60.08356 | 26.63347 | 21.09653 | 47.77604 | 14.32595 | 24.32405 | 49.42891 | 15.97882 | 23.37118 | 41.28064 | 7.83055 | 21.97945 | 43.9161 | 10.46601 | 55.74399 |
| 4/2/2025 | 10:00:00 AM | 33.46347 | 60.10141 | 26.63794 | 21.09206 | 47.79952 | 14.33605 | 24.31395 | 49.44674 | 15.98327 | 23.36673 | 41.30211 | 7.83864 | 21.97136 | 43.93754 | 10.47407 | 55.73593 |
| 4/2/2025 | 11:00:00 AM | 33.46681 | 60.10498 | 26.63817 | 21.09183 | 47.79952 | 14.33271 | 24.31729 | 49.44674 | 15.97993 | 23.37007 | 41.29495 | 7.82814 | 21.98186 | 43.92325 | 10.45644 | 55.75356 |
| 4/2/2025 | 12:00:00 PM | 33.47016 | 60.10855 | 26.63839 | 21.09161 | 47.79617 | 14.32601 | 24.32399 | 49.45031 | 15.98015 | 23.36985 | 41.2878 | 7.81764 | 21.99236 | 43.9161 | 10.44594 | 55.76406 |
| 4/2/2025 | 1:00:00 PM | 33.47684 | 60.07999 | 26.60315 | 21.12685 | 47.7794 | 14.30256 | 24.34744 | 49.42891 | 15.95207 | 23.39793 | 41.27349 | 7.79665 | 22.01335 | 43.88751 | 10.41067 | 55.79933 |
| 4/2/2025 | 2:00:00 PM | 33.48353 | 60.08356 | 26.60003 | 21.12997 | 47.76933 | 14.2858 | 24.3642 | 49.42891 | 15.94538 | 23.40462 | 41.28422 | 7.80069 | 22.00931 | 43.87679 | 10.39326 | 55.81674 |
| 4/2/2025 | 3:00:00 PM | 33.48688 | 60.07642 | 26.58954 | 21.14046 | 47.76263 | 14.27575 | 24.37425 | 49.42178 | 15.9349 | 23.4151 | 41.28064 | 7.79376 | 22.01624 | 43.88393 | 10.39705 | 55.81295 |
| 4/2/2025 | 4:00:00 PM | 33.48353 | 60.06927 | 26.58574 | 21.14426 | 47.74921 | 14.26568 | 24.38432 | 49.39683 | 15.9133 | 23.4367 | 41.28064 | 7.79711 | 22.01289 | 43.87321 | 10.38968 | 55.82032 |
| 4/2/2025 | 5:00:00 PM | 33.48353 | 60.06927 | 26.58574 | 21.14426 | 47.74586 | 14.26233 | 24.38767 | 49.39683 | 15.9133 | 23.4367 | 41.28064 | 7.79711 | 22.01289 | 43.85892 | 10.37539 | 55.83461 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/2/2025 | 6:00:00 PM | 33.47684 | 60.07642 | 26.59958 | 21.13042 | 47.74921 | 14.27237 | 24.37763 | 49.40039 | 15.92355 | 23.42645 | 41.29495 | 7.81811 | 21.99189 | 43.87679 | 10.39995 | 55.81005 |
| 4/2/2025 | 7:00:00 PM | 33.47016 | 60.07999 | 26.60983 | 21.12017 | 47.75256 | 14.2824 | 24.3676 | 49.40396 | 15.9338 | 23.4162 | 41.30211 | 7.83195 | 21.97805 | 43.88751 | 10.41735 | 55.79265 |
| 4/2/2025 | 8:00:00 PM | 33.47684 | 60.10141 | 26.62457 | 21.10543 | 47.76598 | 14.28914 | 24.36086 | 49.42535 | 15.94851 | 23.40149 | 41.31642 | 7.83958 | 21.97042 | 43.90538 | 10.42854 | 55.78146 |
| 4/2/2025 | 9:00:00 PM | 33.47684 | 60.11212 | 26.63528 | 21.09472 | 47.78946 | 14.31262 | 24.33738 | 49.43961 | 15.96277 | 23.38723 | 41.32715 | 7.85031 | 21.95969 | 43.91967 | 10.44283 | 55.76717 |
| 4/2/2025 | 10:00:00 PM | 33.4735 | 60.12998 | 26.65648 | 21.07352 | 47.80287 | 14.32937 | 24.32063 | 49.45031 | 15.97681 | 23.37319 | 41.33073 | 7.85723 | 21.95277 | 43.93039 | 10.45689 | 55.75311 |
| 4/2/2025 | 11:00:00 PM | 33.48353 | 60.14426 | 26.66073 | 21.06927 | 47.81629 | 14.33276 | 24.31724 | 49.4717 | 15.98817 | 23.36183 | 41.34146 | 7.85793 | 21.95207 | 43.94826 | 10.46473 | 55.74527 |
| 4/3/2025 | 12:00:00 AM | 33.5036 | 60.15855 | 26.65495 | 21.07505 | 47.83306 | 14.32946 | 24.32054 | 49.48239 | 15.97879 | 23.37121 | 41.34504 | 7.84144 | 21.96856 | 43.94826 | 10.44466 | 55.76534 |
| 4/3/2025 | 1:00:00 AM | 33.51697 | 60.16926 | 26.65229 | 21.07771 | 47.83977 | 14.3228 | 24.3272 | 49.49665 | 15.97968 | 23.37032 | 41.3522 | 7.83523 | 21.97477 | 43.94826 | 10.43129 | 55.77871 |
| 4/3/2025 | 2:00:00 AM | 33.53369 | 60.16926 | 26.63557 | 21.09443 | 47.85318 | 14.31949 | 24.33051 | 49.50022 | 15.96653 | 23.38347 | 41.35578 | 7.82209 | 21.98791 | 43.95899 | 10.4253 | 55.7847 |
| 4/3/2025 | 3:00:00 AM | 33.55041 | 60.17997 | 26.62956 | 21.10044 | 47.8666 | 14.31619 | 24.33381 | 49.51448 | 15.96407 | 23.38593 | 41.36293 | 7.81252 | 21.99748 | 43.96613 | 10.41572 | 55.79428 |
| 4/3/2025 | 4:00:00 AM | 33.56379 | 60.19783 | 26.63404 | 21.09596 | 47.88337 | 14.31958 | 24.33042 | 49.52874 | 15.96495 | 23.38505 | 41.37009 | 7.8063 | 22.0037 | 43.96971 | 10.40592 | 55.80408 |
| 4/3/2025 | 5:00:00 AM | 33.57382 | 60.21211 | 26.63829 | 21.09171 | 47.89343 | 14.31961 | 24.33039 | 49.55013 | 15.97631 | 23.37369 | 41.38082 | 7.807 | 22.003 | 43.96971 | 10.39589 | 55.81411 |
| 4/3/2025 | 6:00:00 AM | 33.61729 | 60.23353 | 26.61624 | 21.11376 | 47.92361 | 14.30632 | 24.34368 | 49.56439 | 15.9471 | 23.4029 | 41.39513 | 7.77784 | 22.03216 | 43.99115 | 10.37386 | 55.83614 |
| 4/3/2025 | 7:00:00 AM | 33.62732 | 60.22996 | 26.60264 | 21.12736 | 47.93032 | 14.303 | 24.347 | 49.56796 | 15.94064 | 23.40936 | 41.38798 | 7.76066 | 22.04934 | 43.98758 | 10.36026 | 55.84974 |
| 4/3/2025 | 8:00:00 AM | 33.64739 | 60.24782 | 26.60043 | 21.12957 | 47.95044 | 14.30305 | 24.34695 | 49.58579 | 15.9384 | 23.4116 | 41.40229 | 7.7549 | 22.0551 | 44.00187 | 10.35448 | 55.85552 |
| 4/3/2025 | 9:00:00 AM | 33.67748 | 60.25853 | 26.58105 | 21.14895 | 47.96051 | 14.28303 | 24.36697 | 49.60361 | 15.92613 | 23.42387 | 41.40944 | 7.73196 | 22.07804 | 43.9983 | 10.32082 | 55.88918 |
| 4/3/2025 | 10:00:00 AM | 33.68417 | 60.27281 | 26.58864 | 21.14136 | 47.98063 | 14.29646 | 24.35354 | 49.61787 | 15.9337 | 23.4163 | 41.41302 | 7.72885 | 22.08115 | 43.99473 | 10.31056 | 55.89944 |
| 4/3/2025 | 11:00:00 AM | 33.69755 | 60.27638 | 26.57883 | 21.15117 | 47.97727 | 14.27972 | 24.37028 | 49.61431 | 15.91676 | 23.43324 | 41.40944 | 7.71189 | 22.09811 | 43.9983 | 10.30075 | 55.90925 |
| 4/3/2025 | 12:00:00 PM | 33.70424 | 60.27638 | 26.57214 | 21.15786 | 47.98063 | 14.27639 | 24.37361 | 49.60718 | 15.90294 | 23.44706 | 41.4166 | 7.71236 | 22.09764 | 43.98758 | 10.28334 | 55.92666 |
| 4/3/2025 | 1:00:00 PM | 33.73433 | 60.26924 | 26.53491 | 21.19509 | 47.97392 | 14.23959 | 24.41041 | 49.60361 | 15.86928 | 23.48072 | 41.41302 | 7.67869 | 22.13131 | 43.96971 | 10.23538 | 55.97462 |
| 4/3/2025 | 2:00:00 PM | 33.79118 | 60.26567 | 26.47449 | 21.25551 | 47.97057 | 14.17939 | 24.47061 | 49.60005 | 15.80887 | 23.54113 | 41.42018 | 7.629 | 22.181 | 43.96256 | 10.17138 | 56.03862 |
| 4/3/2025 | 3:00:00 PM | 33.8079 | 60.27996 | 26.47206 | 21.25794 | 47.97392 | 14.16602 | 24.48398 | 49.60005 | 15.79215 | 23.55785 | 41.43091 | 7.62301 | 22.18699 | 43.96971 | 10.16181 | 56.04819 |
| 4/3/2025 | 4:00:00 PM | 33.78784 | 60.28353 | 26.49569 | 21.23431 | 47.96721 | 14.17937 | 24.47063 | 49.59292 | 15.80508 | 23.54492 | 41.43449 | 7.64665 | 22.16335 | 43.97686 | 10.18902 | 56.02098 |
| 4/3/2025 | 5:00:00 PM | 33.78115 | 60.27996 | 26.49881 | 21.23119 | 47.97727 | 14.19612 | 24.45388 | 49.60361 | 15.82246 | 23.52754 | 41.44522 | 7.66407 | 22.14593 | 43.97686 | 10.19571 | 56.01429 |
| 4/3/2025 | 6:00:00 PM | 33.78115 | 60.29424 | 26.51309 | 21.21691 | 47.97057 | 14.18942 | 24.46058 | 49.60005 | 15.8189 | 23.5311 | 41.4488 | 7.66765 | 22.14235 | 43.98043 | 10.19928 | 56.01072 |
| 4/3/2025 | 7:00:00 PM | 33.77446 | 60.30495 | 26.53049 | 21.19951 | 47.98063 | 14.20617 | 24.44383 | 49.61074 | 15.83628 | 23.51372 | 41.46669 | 7.69223 | 22.11777 | 43.9983 | 10.22384 | 55.98616 |
| 4/3/2025 | 8:00:00 PM | 33.77446 | 60.31566 | 26.5412 | 21.1888 | 48.00075 | 14.22629 | 24.42371 | 49.62857 | 15.85411 | 23.49589 | 41.47742 | 7.70296 | 22.10704 | 44.00545 | 10.23099 | 55.97901 |
| 4/3/2025 | 9:00:00 PM | 33.76443 | 60.3478 | 26.58337 | 21.14663 | 48.01417 | 14.24974 | 24.40026 | 49.63927 | 15.87484 | 23.47516 | 41.49531 | 7.73088 | 22.07912 | 44.01974 | 10.25531 | 55.95469 |
| 4/3/2025 | 10:00:00 PM | 33.76443 | 60.36923 | 26.6048 | 21.1252 | 48.03764 | 14.27321 | 24.37679 | 49.66066 | 15.89623 | 23.45377 | 41.50246 | 7.73803 | 22.07197 | 44.03761 | 10.27318 | 55.93682 |
| 4/3/2025 | 11:00:00 PM | 33.81124 | 60.39779 | 26.58655 | 21.14345 | 48.08124 | 14.27 | 24.38 | 49.71057 | 15.89933 | 23.45067 | 41.52393 | 7.71269 | 22.09731 | 44.07335 | 10.26211 | 55.94789 |
| 4/4/2025 | 12:00:00 AM | 33.82462 | 60.40137 | 26.57675 | 21.15325 | 48.10472 | 14.2801 | 24.3699 | 49.7177 | 15.89308 | 23.45692 | 41.53824 | 7.71362 | 22.09638 | 44.0805 | 10.25588 | 55.95412 |
| 4/4/2025 | 1:00:00 AM | 33.85806 | 60.42636 | 26.5683 | 21.1617 | 48.12149 | 14.26343 | 24.38657 | 49.74266 | 15.8846 | 23.4654 | 41.53824 | 7.68018 | 22.12982 | 44.08765 | 10.22959 | 55.98041 |
| 4/4/2025 | 2:00:00 AM | 33.88481 | 60.44064 | 26.55583 | 21.17417 | 48.13491 | 14.2501 | 24.3999 | 49.74979 | 15.86498 | 23.48502 | 41.53466 | 7.64985 | 22.16015 | 44.08407 | 10.19926 | 56.01074 |
| 4/4/2025 | 3:00:00 AM | 33.87144 | 60.44422 | 26.57278 | 21.15722 | 48.13826 | 14.26682 | 24.38318 | 49.74979 | 15.87835 | 23.47165 | 41.54898 | 7.67754 | 22.13246 | 44.08765 | 10.21621 | 55.99379 |
| 4/4/2025 | 4:00:00 AM | 33.88481 | 60.44779 | 26.56298 | 21.16702 | 48.14832 | 14.26351 | 24.38649 | 49.74622 | 15.86141 | 23.48859 | 41.5454 | 7.66059 | 22.14941 | 44.07335 | 10.18854 | 56.02146 |
| 4/4/2025 | 5:00:00 AM | 33.90822 | 60.4585 | 26.55028 | 21.17972 | 48.15838 | 14.25016 | 24.39984 | 49.77118 | 15.86296 | 23.48704 | 41.55971 | 7.65149 | 22.15851 | 44.0805 | 10.17228 | 56.03772 |
| 4/4/2025 | 6:00:00 AM | 33.90822 | 60.47278 | 26.56456 | 21.16544 | 48.16845 | 14.26023 | 24.38977 | 49.77118 | 15.86296 | 23.48704 | 41.57044 | 7.66222 | 22.14778 | 44.08765 | 10.17943 | 56.03057 |
| 4/4/2025 | 7:00:00 AM | 33.92828 | 60.49064 | 26.56236 | 21.16764 | 48.17515 | 14.24687 | 24.40313 | 49.78901 | 15.86073 | 23.48927 | 41.5776 | 7.64932 | 22.16068 | 44.08407 | 10.15579 | 56.05421 |
| 4/4/2025 | 8:00:00 AM | 33.92828 | 60.48707 | 26.55879 | 21.17121 | 48.17851 | 14.25023 | 24.39977 | 49.78544 | 15.85716 | 23.49284 | 41.58475 | 7.65647 | 22.15353 | 44.07335 | 10.14507 | 56.06493 |
| 4/4/2025 | 9:00:00 AM | 33.93832 | 60.48707 | 26.54875 | 21.18125 | 48.17851 | 14.24019 | 24.40981 | 49.77831 | 15.83999 | 23.51001 | 41.58475 | 7.64643 | 22.16357 | 44.07692 | 10.1386 | 56.0714 |
| 4/4/2025 | 10:00:00 AM | 33.945 | 60.4835 | 26.5385 | 21.1915 | 48.17515 | 14.23015 | 24.41985 | 49.77118 | 15.82618 | 23.52382 | 41.58833 | 7.64333 | 22.16667 | 44.06978 | 10.12478 | 56.08522 |
| 4/4/2025 | 11:00:00 AM | 33.95169 | 60.47635 | 26.52466 | 21.20534 | 48.16845 | 14.21676 | 24.43324 | 49.77118 | 15.81949 | 23.53051 | 41.59549 | 7.6438 | 22.1662 | 44.0662 | 10.11451 | 56.09549 |
| 4/4/2025 | 12:00:00 PM | 33.945 | 60.47278 | 26.52778 | 21.20222 | 48.15503 | 14.21003 | 24.43997 | 49.74979 | 15.80479 | 23.54521 | 41.59191 | 7.64691 | 22.16309 | 44.05906 | 10.11406 | 56.09594 |
| 4/4/2025 | 1:00:00 PM | 33.96841 | 60.46921 | 26.5008 | 21.2292 | 48.14497 | 14.17656 | 24.47344 | 49.74979 | 15.78138 | 23.56862 | 41.59907 | 7.63066 | 22.17934 | 44.05191 | 10.0835 | 56.1265 |
| 4/4/2025 | 2:00:00 PM | 34.03864 | 60.4585 | 26.41986 | 21.31014 | 48.1282 | 14.08956 | 24.56044 | 49.72483 | 15.68619 | 23.66381 | 41.59549 | 7.55685 | 22.25315 | 44.04119 | 10.00255 | 56.20745 |
| 4/4/2025 | 3:00:00 PM | 34.04532 | 60.4585 | 26.41318 | 21.31682 | 48.12149 | 14.07617 | 24.57383 | 49.72127 | 15.67595 | 23.67405 | 41.60264 | 7.55732 | 22.25268 | 44.03761 | 9.99229 | 56.21771 |
| 4/4/2025 | 4:00:00 PM | 34.0286 | 60.45493 | 26.42633 | 21.30367 | 48.10472 | 14.07612 | 24.57388 | 49.69987 | 15.67127 | 23.67873 | 41.60622 | 7.57762 | 22.23238 | 44.03046 | 10.00186 | 56.20814 |
| 4/4/2025 | 5:00:00 PM | 34.02192 | 60.45136 | 26.42944 | 21.30056 | 48.09466 | 14.07274 | 24.57726 | 49.69631 | 15.67439 | 23.67561 | 41.59907 | 7.57715 | 22.23285 | 44.03761 | 10.01569 | 56.19431 |
| 4/4/2025 | 6:00:00 PM | 34.01188 | 60.42993 | 26.41805 | 21.31195 | 48.07118 | 14.0593 | 24.5907 | 49.67492 | 15.66304 | 23.68696 | 41.60264 | 7.59076 | 22.21924 | 44.01974 | 10.00786 | 56.20214 |
| 4/4/2025 | 7:00:00 PM | 33.98848 | 60.42636 | 26.43788 | 21.29212 | 48.05441 | 14.06593 | 24.58407 | 49.65353 | 15.66505 | 23.68495 | 41.59907 | 7.61059 | 22.19941 | 44.01617 | 10.02769 | 56.18231 |
| 4/4/2025 | 8:00:00 PM | 33.9751 | 60.42636 | 26.45126 | 21.27874 | 48.04771 | 14.07261 | 24.57739 | 49.64996 | 15.67486 | 23.67514 | 41.61338 | 7.63828 | 22.17172 | 44.01974 | 10.04464 | 56.16536 |
| 4/4/2025 | 9:00:00 PM | 33.97176 | 60.44779 | 26.47603 | 21.25397 | 48.05777 | 14.08601 | 24.56399 | 49.66422 | 15.69246 | 23.65754 | 41.63484 | 7.66308 | 22.14692 | 44.04476 | 10.073 | 56.137 |
| 4/4/2025 | 10:00:00 PM | 33.97176 | 60.46207 | 26.49031 | 21.23969 | 48.07118 | 14.09942 | 24.55058 | 49.68561 | 15.71385 | 23.63615 | 41.64915 | 7.67739 | 22.13261 | 44.07692 | 10.10516 | 56.10484 |
| 4/4/2025 | 11:00:00 PM | 33.96507 | 60.46921 | 26.50414 | 21.22586 | 48.08124 | 14.11617 | 24.53383 | 49.68205 | 15.71698 | 23.63302 | 41.66347 | 7.6984 | 22.1116 | 44.08407 | 10.119 | 56.091 |
| 4/5/2025 | 12:00:00 AM | 33.95169 | 60.46921 | 26.51752 | 21.21248 | 48.08124 | 14.12955 | 24.52045 | 49.68918 | 15.73749 | 23.61251 | 41.65631 | 7.70462 | 22.10538 | 44.08765 | 10.13596 | 56.07404 |
| 4/5/2025 | 1:00:00 AM | 33.94835 | 60.46207 | 26.51372 | 21.21628 | 48.07454 | 14.12619 | 24.52381 | 49.67135 | 15.723 | 23.627 | 41.64558 | 7.69723 | 22.11277 | 44.08407 | 10.13572 | 56.07428 |
| 4/5/2025 | 2:00:00 AM | 33.93832 | 60.46207 | 26.52375 | 21.20625 | 48.07118 | 14.13286 | 24.51714 | 49.67492 | 15.7366 | 23.6134 | 41.65273 | 7.71441 | 22.09559 | 44.0805 | 10.14218 | 56.06782 |
| 4/5/2025 | 3:00:00 AM | 33.92828 | 60.46564 | 26.53736 | 21.19264 | 48.07118 | 14.1429 | 24.5071 | 49.67492 | 15.74664 | 23.60336 | 41.65631 | 7.72803 | 22.08197 | 44.08407 | 10.15579 | 56.05421 |
| 4/5/2025 | 4:00:00 AM | 33.93163 | 60.47635 | 26.54472 | 21.18528 | 48.07454 | 14.14291 | 24.50709 | 49.68205 | 15.75042 | 23.59958 | 41.65989 | 7.72826 | 22.08174 | 44.09122 | 10.15959 | 56.05041 |
| 4/5/2025 | 5:00:00 AM | 33.91825 | 60.46207 | 26.54382 | 21.18618 | 48.05777 | 14.13952 | 24.51048 | 49.66422 | 15.74597 | 23.60403 | 41.64915 | 7.7309 | 22.0791 | 44.0805 | 10.16225 | 56.04775 |
| 4/5/2025 | 6:00:00 AM | 33.91156 | 60.46207 | 26.55051 | 21.17949 | 48.05441 | 14.14285 | 24.50715 | 49.65353 | 15.74197 | 23.60803 | 41.65989 | 7.74833 | 22.06167 | 44.08407 | 10.17251 | 56.03749 |
| 4/5/2025 | 7:00:00 AM | 33.90488 | 60.46564 | 26.56076 | 21.16924 | 48.06448 | 14.1596 | 24.4904 | 49.65709 | 15.75221 | 23.59779 | 41.67062 | 7.76574 | 22.04426 | 44.09837 | 10.19349 | 56.01651 |
| 4/5/2025 | 8:00:00 AM | 33.89819 | 60.46921 | 26.57102 | 21.15898 | 48.06112 | 14.16293 | 24.48707 | 49.66066 | 15.76247 | 23.58753 | 41.67062 | 7.77243 | 22.03757 | 44.09837 | 10.20018 | 56.00982 |
| 4/5/2025 | 9:00:00 AM | 33.91491 | 60.46921 | 26.5543 | 21.1757 | 48.05106 | 14.13615 | 24.51385 | 49.66066 | 15.74575 | 23.60425 | 41.6742 | 7.75929 | 22.05071 | 44.10552 | 10.19061 | 56.01939 |
| 4/5/2025 | 10:00:00 AM | 33.92828 | 60.47992 | 26.55164 | 21.17836 | 48.05777 | 14.12949 | 24.52051 | 49.66422 | 15.73594 | 23.61406 | 41.68135 | 7.75307 | 22.05693 | 44.11266 | 10.18438 | 56.02562 |
| 4/5/2025 | 11:00:00 AM | 33.94166 | 60.47278 | 26.53112 | 21.19888 | 48.06112 | 14.11946 | 24.53054 | 49.66066 | 15.719 | 23.631 | 41.6742 | 7.73254 | 22.07746 | 44.11266 | 10.171 | 56.039 |
| 4/5/2025 | 12:00:00 PM | 33.95504 | 60.46207 | 26.50703 | 21.22297 | 48.04435 | 14.08931 | 24.56069 | 49.64283 | 15.68779 | 23.66221 | 41.67062 | 7.71558 | 22.09442 | 44.09837 | 10.14333 | 56.06667 |
| 4/5/2025 | 1:00:00 PM | 33.96841 | 60.42993 | 26.46152 | 21.26848 | 48.00746 | 14.03905 | 24.61095 | 49.60718 | 15.63877 | 23.71123 | 41.64915 | 7.68074 | 22.12926 | 44.07692 | 10.10851 | 56.10149 |
| 4/5/2025 | 2:00:00 PM | 34.00185 | 60.41922 | 26.41737 | 21.31263 | 47.98398 | 13.98213 | 24.66787 | 49.58222 | 15.58037 | 23.76963 | 41.64915 | 7.6473 | 22.1627 | 44.07335 | 10.0715 | 56.1385 |
| 4/5/2025 | 3:00:00 PM | 34.01523 | 60.40851 | 26.39328 | 21.33672 | 47.96386 | 13.94863 | 24.70137 | 49.56439 | 15.54916 | 23.80084 | 41.64915 | 7.63392 | 22.17608 | 44.05906 | 10.04383 | 56.16617 |
| 4/5/2025 | 4:00:00 PM | 33.99182 | 60.39065 | 26.39883 | 21.33117 | 47.95715 | 13.96533 | 24.68467 | 49.54657 | 15.55475 | 23.79525 | 41.64915 | 7.65733 | 22.15267 | 44.06978 | 10.07796 | 56.13204 |
| 4/5/2025 | 5:00:00 PM | 33.95504 | 60.38708 | 26.43204 | 21.29796 | 47.93367 | 13.97863 | 24.67137 | 49.53587 | 15.58083 | 23.76917 | 41.64915 | 7.69411 | 22.11589 | 44.06263 | 10.10759 | 56.10241 |
| 4/5/2025 | 6:00:00 PM | 33.94166 | 60.37637 | 26.43471 | 21.29529 | 47.9102 | 13.96854 | 24.68146 | 49.51448 | 15.57282 | 23.77718 | 41.64558 | 7.70392 | 22.10608 | 44.05906 | 10.1174 | 56.0926 |
| 4/5/2025 | 7:00:00 PM | 33.9216 | 60.36923 | 26.44763 | 21.28237 | 47.90684 | 13.98524 | 24.66476 | 49.51092 | 15.58932 | 23.76068 | 41.65273 | 7.73113 | 22.07887 | 44.05906 | 10.13746 | 56.07254 |
| 4/5/2025 | 8:00:00 PM | 33.89819 | 60.36566 | 26.46747 | 21.26253 | 47.90014 | 14.00195 | 24.64805 | 49.50022 | 15.60203 | 23.74797 | 41.65273 | 7.75454 | 22.05546 | 44.0662 | 10.16801 | 56.04199 |
| 4/5/2025 | 9:00:00 PM | 33.88481 | 60.37994 | 26.49513 | 21.23487 | 47.90684 | 14.02203 | 24.62797 | 49.51092 | 15.62611 | 23.72389 | 41.66704 | 7.78223 | 22.02777 | 44.08765 | 10.20284 | 56.00716 |
| 4/5/2025 | 10:00:00 PM | 33.86809 | 60.37637 | 26.50828 | 21.22172 | 47.90349 | 14.0354 | 24.6146 | 49.49665 | 15.62856 | 23.72144 | 41.66347 | 7.79538 | 22.01462 | 44.08765 | 10.21956 | 55.99044 |
| 4/5/2025 | 11:00:00 PM | 33.86475 | 60.37994 | 26.51519 | 21.21481 | 47.89343 | 14.02868 | 24.62132 | 49.50022 | 15.63547 | 23.71453 | 41.66347 | 7.79872 | 22.01128 | 44.09122 | 10.22647 | 55.98353 |
| 4/6/2025 | 12:00:00 AM | 33.87144 | 60.3728 | 26.50136 | 21.22864 | 47.90349 | 14.03205 | 24.61795 | 49.50378 | 15.63234 | 23.71766 | 41.67062 | 7.79918 | 22.01082 | 44.10552 | 10.23408 | 55.97592 |
| 4/6/2025 | 1:00:00 AM | 33.86475 | 60.37637 | 26.51162 | 21.21838 | 47.90014 | 14.03539 | 24.61461 | 49.50022 | 15.63547 | 23.71453 | 41.66704 | 7.80229 | 22.00771 | 44.11624 | 10.25149 | 55.95851 |
| 4/6/2025 | 2:00:00 AM | 33.85137 | 60.36923 | 26.51786 | 21.21214 | 47.89343 | 14.04206 | 24.60794 | 49.48952 | 15.63815 | 23.71185 | 41.65631 | 7.80494 | 22.00506 | 44.10552 | 10.25415 | 55.95585 |
| 4/6/2025 | 3:00:00 AM | 33.84468 | 60.36923 | 26.52455 | 21.20545 | 47.88672 | 14.04204 | 24.60796 | 49.48596 | 15.64128 | 23.70872 | 41.65989 | 7.81521 | 21.99479 | 44.11266 | 10.26798 | 55.94202 |
| 4/6/2025 | 4:00:00 AM | 33.85137 | 60.39065 | 26.53928 | 21.19072 | 47.91355 | 14.06218 | 24.58782 | 49.50735 | 15.65598 | 23.69402 | 41.67778 | 7.82641 | 21.98359 | 44.14126 | 10.28989 | 55.92011 |
| 4/6/2025 | 5:00:00 AM | 33.8614 | 60.39065 | 26.52925 | 21.20075 | 47.9102 | 14.0488 | 24.6012 | 49.51092 | 15.64952 | 23.70048 | 41.6742 | 7.8128 | 21.9972 | 44.14126 | 10.27986 | 55.93014 |
| 4/6/2025 | 6:00:00 AM | 33.838 | 60.34423 | 26.50623 | 21.22377 | 47.8733 | 14.0353 | 24.6147 | 49.46813 | 15.63013 | 23.71987 | 41.63842 | 7.80042 | 22.00958 | 44.10909 | 10.27109 | 55.93891 |
| 4/6/2025 | 7:00:00 AM | 33.82128 | 60.33352 | 26.51224 | 21.21776 | 47.85318 | 14.0319 | 24.6181 | 49.43961 | 15.61833 | 23.73167 | 41.62769 | 7.80641 | 22.00359 | 44.08765 | 10.26637 | 55.94363 |
| 4/6/2025 | 8:00:00 AM | 33.80456 | 60.31924 | 26.51468 | 21.21532 | 47.82635 | 14.02179 | 24.62821 | 49.41822 | 15.61366 | 23.73634 | 41.62411 | 7.81955 | 21.99045 | 44.06978 | 10.26522 | 55.94478 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/6/2025 | 9:00:00 AM | 33.80456 | 60.30852 | 26.50396 | 21.22604 | 47.82635 | 14.02179 | 24.62821 | 49.40752 | 15.60296 | 23.74704 | 41.63127 | 7.82671 | 21.98329 | 44.06978 | 10.26522 | 55.94478 |
| 4/6/2025 | 10:00:00 AM | 33.79452 | 60.27996 | 26.48544 | 21.24456 | 47.7861 | 13.99158 | 24.65842 | 49.37543 | 15.58091 | 23.76909 | 41.59907 | 7.80455 | 22.00545 | 44.05191 | 10.25739 | 55.95261 |
| 4/6/2025 | 11:00:00 AM | 33.79118 | 60.27281 | 26.48163 | 21.24837 | 47.77269 | 13.98151 | 24.66849 | 49.35404 | 15.56286 | 23.78714 | 41.61338 | 7.8222 | 21.9878 | 44.05906 | 10.26788 | 55.94212 |
| 4/6/2025 | 12:00:00 PM | 33.79787 | 60.27281 | 26.47494 | 21.25506 | 47.75592 | 13.95805 | 24.69195 | 49.35761 | 15.55974 | 23.79026 | 41.6098 | 7.81193 | 21.99807 | 44.06978 | 10.27191 | 55.93809 |
| 4/6/2025 | 1:00:00 PM | 33.7778 | 60.2621 | 26.4843 | 21.2457 | 47.75592 | 13.97812 | 24.67188 | 49.33978 | 15.56198 | 23.78802 | 41.60622 | 7.82842 | 21.98158 | 44.06978 | 10.29198 | 55.91802 |
| 4/6/2025 | 2:00:00 PM | 33.78784 | 60.28353 | 26.49569 | 21.23431 | 47.77269 | 13.98485 | 24.66515 | 49.36117 | 15.57333 | 23.77667 | 41.63842 | 7.85058 | 21.95942 | 44.10552 | 10.31768 | 55.89232 |
| 4/6/2025 | 3:00:00 PM | 33.77446 | 60.26567 | 26.49121 | 21.23879 | 47.75927 | 13.98481 | 24.66519 | 49.34691 | 15.57245 | 23.77755 | 41.60622 | 7.83176 | 21.97824 | 44.09122 | 10.31676 | 55.89324 |
| 4/6/2025 | 4:00:00 PM | 33.76108 | 60.24782 | 26.48674 | 21.24326 | 47.73915 | 13.97807 | 24.67193 | 49.33265 | 15.57157 | 23.77843 | 41.59549 | 7.83441 | 21.97559 | 44.07335 | 10.31227 | 55.89773 |
| 4/6/2025 | 5:00:00 PM | 33.7544 | 60.24068 | 26.48628 | 21.24372 | 47.71232 | 13.95792 | 24.69208 | 49.30413 | 15.54973 | 23.80027 | 41.58475 | 7.83035 | 21.97965 | 44.0662 | 10.3118 | 55.8982 |
| 4/6/2025 | 6:00:00 PM | 33.74102 | 60.21211 | 26.47109 | 21.25891 | 47.69555 | 13.95453 | 24.69547 | 49.27917 | 15.53815 | 23.81185 | 41.57402 | 7.833 | 21.977 | 44.05906 | 10.31804 | 55.89196 |
| 4/6/2025 | 7:00:00 PM | 33.73768 | 60.19425 | 26.45657 | 21.27343 | 47.68213 | 13.94445 | 24.70555 | 49.25778 | 15.5201 | 23.8299 | 41.55971 | 7.82203 | 21.98797 | 44.04833 | 10.31065 | 55.89935 |
| 4/6/2025 | 8:00:00 PM | 33.71761 | 60.19068 | 26.47307 | 21.25693 | 47.66872 | 13.95111 | 24.69889 | 49.25065 | 15.53304 | 23.81696 | 41.55971 | 7.8421 | 21.9679 | 44.04833 | 10.33072 | 55.87928 |
| 4/6/2025 | 9:00:00 PM | 33.72096 | 60.19425 | 26.47329 | 21.25671 | 47.67207 | 13.95111 | 24.69889 | 49.25065 | 15.52969 | 23.82031 | 41.57044 | 7.84948 | 21.96052 | 44.06263 | 10.34167 | 55.86833 |
| 4/6/2025 | 10:00:00 PM | 33.71761 | 60.2014 | 26.48379 | 21.24621 | 47.68213 | 13.96452 | 24.68548 | 49.25065 | 15.53304 | 23.81696 | 41.56687 | 7.84926 | 21.96074 | 44.06978 | 10.35217 | 55.85783 |
| 4/6/2025 | 11:00:00 PM | 33.71761 | 60.19425 | 26.47664 | 21.25336 | 47.67543 | 13.95782 | 24.69218 | 49.23995 | 15.52234 | 23.82766 | 41.55613 | 7.83852 | 21.97148 | 44.07335 | 10.35574 | 55.85426 |
| 4/7/2025 | 12:00:00 AM | 33.72096 | 60.20497 | 26.48401 | 21.24599 | 47.69219 | 13.97123 | 24.67877 | 49.25778 | 15.53682 | 23.81318 | 41.56687 | 7.84591 | 21.96409 | 44.08407 | 10.36311 | 55.84689 |
| 4/7/2025 | 1:00:00 AM | 33.70758 | 60.1764 | 26.46882 | 21.26118 | 47.68549 | 13.97791 | 24.67209 | 49.24352 | 15.53594 | 23.81406 | 41.54898 | 7.8414 | 21.9686 | 44.07692 | 10.36934 | 55.84066 |
| 4/7/2025 | 2:00:00 AM | 33.70424 | 60.16569 | 26.46145 | 21.26855 | 47.66536 | 13.96112 | 24.68888 | 49.22926 | 15.52502 | 23.82498 | 41.53109 | 7.82685 | 21.98315 | 44.06263 | 10.35839 | 55.85161 |
| 4/7/2025 | 3:00:00 AM | 33.69086 | 60.14069 | 26.44983 | 21.28017 | 47.6553 | 13.96444 | 24.68556 | 49.22213 | 15.53127 | 23.81873 | 41.52035 | 7.82949 | 21.98051 | 44.05191 | 10.36105 | 55.84895 |
| 4/7/2025 | 4:00:00 AM | 33.68083 | 60.13355 | 26.45272 | 21.27728 | 47.64524 | 13.96441 | 24.68559 | 49.20787 | 15.52704 | 23.82296 | 41.51678 | 7.83595 | 21.97405 | 44.04833 | 10.3675 | 55.8425 |
| 4/7/2025 | 5:00:00 AM | 33.67748 | 60.12998 | 26.4525 | 21.2775 | 47.64524 | 13.96776 | 24.68224 | 49.20787 | 15.53039 | 23.81961 | 41.50962 | 7.83214 | 21.97786 | 44.05548 | 10.378 | 55.832 |
| 4/7/2025 | 6:00:00 AM | 33.67414 | 60.13355 | 26.45941 | 21.27059 | 47.63853 | 13.96439 | 24.68561 | 49.2043 | 15.53016 | 23.81984 | 41.50962 | 7.83548 | 21.97452 | 44.05906 | 10.38492 | 55.82508 |
| 4/7/2025 | 7:00:00 AM | 33.6708 | 60.12641 | 26.45561 | 21.27439 | 47.63853 | 13.96773 | 24.68227 | 49.2043 | 15.5335 | 23.8165 | 41.50962 | 7.83882 | 21.97118 | 44.07335 | 10.40255 | 55.80745 |
| 4/7/2025 | 8:00:00 AM | 33.6708 | 60.1157 | 26.4449 | 21.2851 | 47.63182 | 13.96102 | 24.68898 | 49.20074 | 15.52994 | 23.82006 | 41.49889 | 7.82809 | 21.98191 | 44.0662 | 10.3954 | 55.8146 |
| 4/7/2025 | 9:00:00 AM | 33.67748 | 60.1157 | 26.43822 | 21.29178 | 47.63853 | 13.96105 | 24.68895 | 49.20074 | 15.52326 | 23.82674 | 41.50246 | 7.82498 | 21.98502 | 44.07335 | 10.39587 | 55.81413 |
| 4/7/2025 | 10:00:00 AM | 33.6942 | 60.11212 | 26.41792 | 21.31208 | 47.64524 | 13.95104 | 24.69896 | 49.21143 | 15.51723 | 23.83277 | 41.50246 | 7.80826 | 22.00174 | 44.0805 | 10.3863 | 55.8237 |
| 4/7/2025 | 11:00:00 AM | 33.6942 | 60.11212 | 26.41792 | 21.31208 | 47.64524 | 13.95104 | 24.69896 | 49.215 | 15.5208 | 23.8292 | 41.49889 | 7.80469 | 22.00531 | 44.08765 | 10.39345 | 55.81655 |
| 4/7/2025 | 12:00:00 PM | 33.69755 | 60.10141 | 26.40386 | 21.32614 | 47.63518 | 13.93763 | 24.71237 | 49.20787 | 15.51032 | 23.83968 | 41.47384 | 7.77629 | 22.03371 | 44.07692 | 10.37937 | 55.83063 |
| 4/7/2025 | 1:00:00 PM | 33.69755 | 60.07999 | 26.38244 | 21.34756 | 47.60835 | 13.9108 | 24.7392 | 49.18648 | 15.48893 | 23.86107 | 41.46311 | 7.76556 | 22.04444 | 44.05548 | 10.35793 | 55.85207 |
| 4/7/2025 | 2:00:00 PM | 33.70424 | 60.05856 | 26.35432 | 21.37568 | 47.59493 | 13.89069 | 24.75931 | 49.17935 | 15.47511 | 23.87489 | 41.45595 | 7.75171 | 22.05829 | 44.04833 | 10.34409 | 55.86591 |
| 4/7/2025 | 3:00:00 PM | 33.70424 | 60.0907 | 26.38646 | 21.34354 | 47.62512 | 13.92088 | 24.72912 | 49.19717 | 15.49293 | 23.85707 | 41.481 | 7.77676 | 22.03324 | 44.07692 | 10.37268 | 55.83732 |
| 4/7/2025 | 4:00:00 PM | 33.6942 | 60.10855 | 26.41435 | 21.31565 | 47.6553 | 13.9611 | 24.6889 | 49.23282 | 15.53862 | 23.81138 | 41.49531 | 7.80111 | 22.00889 | 44.10194 | 10.40774 | 55.80226 |
| 4/7/2025 | 5:00:00 PM | 33.70089 | 60.1157 | 26.41481 | 21.31519 | 47.66536 | 13.96447 | 24.68553 | 49.24709 | 15.5462 | 23.8038 | 41.48815 | 7.78726 | 22.02274 | 44.11624 | 10.41535 | 55.79465 |
| 4/7/2025 | 6:00:00 PM | 33.70424 | 60.13712 | 26.43288 | 21.29712 | 47.68884 | 13.9846 | 24.6654 | 49.26491 | 15.56067 | 23.78933 | 41.48815 | 7.78391 | 22.02609 | 44.12696 | 10.42272 | 55.78728 |
| 4/7/2025 | 7:00:00 PM | 33.71427 | 60.15855 | 26.44428 | 21.28572 | 47.6989 | 13.98463 | 24.66537 | 49.30056 | 15.58629 | 23.76371 | 41.48458 | 7.77031 | 22.03969 | 44.13411 | 10.41984 | 55.79016 |
| 4/7/2025 | 8:00:00 PM | 33.70089 | 60.13712 | 26.43623 | 21.29377 | 47.70896 | 14.00807 | 24.64193 | 49.28987 | 15.58898 | 23.76102 | 41.46311 | 7.76222 | 22.04778 | 44.13053 | 10.42964 | 55.78036 |
| 4/7/2025 | 9:00:00 PM | 33.70758 | 60.15497 | 26.44739 | 21.28261 | 47.7358 | 14.02822 | 24.62178 | 49.31126 | 15.60368 | 23.74632 | 41.47742 | 7.76984 | 22.04016 | 44.13053 | 10.42295 | 55.78705 |
| 4/7/2025 | 10:00:00 PM | 33.71761 | 60.17997 | 26.46236 | 21.26764 | 47.76598 | 14.04837 | 24.60163 | 49.33265 | 15.61504 | 23.73496 | 41.49531 | 7.7777 | 22.0323 | 44.1484 | 10.43079 | 55.77921 |
| 4/7/2025 | 11:00:00 PM | 33.72096 | 60.17283 | 26.45187 | 21.27813 | 47.7861 | 14.06514 | 24.58486 | 49.35048 | 15.62952 | 23.72048 | 41.48815 | 7.76719 | 22.04281 | 44.15198 | 10.43102 | 55.77898 |
| 4/8/2025 | 12:00:00 AM | 33.7243 | 60.17283 | 26.44853 | 21.28147 | 47.79617 | 14.07187 | 24.57813 | 49.35761 | 15.63331 | 23.71669 | 41.48458 | 7.76028 | 22.04972 | 44.14483 | 10.42053 | 55.78947 |
| 4/8/2025 | 1:00:00 AM | 33.71761 | 60.17997 | 26.46236 | 21.26764 | 47.80623 | 14.08862 | 24.56138 | 49.3683 | 15.65069 | 23.69931 | 41.481 | 7.76339 | 22.04661 | 44.1484 | 10.43079 | 55.77921 |
| 4/8/2025 | 2:00:00 AM | 33.71092 | 60.16926 | 26.45834 | 21.27166 | 47.80958 | 14.09866 | 24.55134 | 49.37187 | 15.66095 | 23.68905 | 41.46669 | 7.75577 | 22.05423 | 44.12339 | 10.41247 | 55.79753 |
| 4/8/2025 | 3:00:00 AM | 33.71427 | 60.16569 | 26.45142 | 21.27858 | 47.80623 | 14.09196 | 24.55804 | 49.379 | 15.66473 | 23.68527 | 41.47026 | 7.75599 | 22.05401 | 44.12696 | 10.41269 | 55.79731 |
| 4/8/2025 | 4:00:00 AM | 33.71761 | 60.16926 | 26.45165 | 21.27835 | 47.81293 | 14.09532 | 24.55468 | 49.379 | 15.66139 | 23.68861 | 41.47742 | 7.75981 | 22.05019 | 44.12339 | 10.40578 | 55.80422 |
| 4/8/2025 | 5:00:00 AM | 33.70758 | 60.1514 | 26.44382 | 21.28618 | 47.80623 | 14.09865 | 24.55135 | 49.379 | 15.67142 | 23.67858 | 41.46669 | 7.75911 | 22.05089 | 44.10909 | 10.40151 | 55.80849 |
| 4/8/2025 | 6:00:00 AM | 33.70758 | 60.14426 | 26.43668 | 21.29332 | 47.79617 | 14.08859 | 24.56141 | 49.37187 | 15.66429 | 23.68571 | 41.45953 | 7.75195 | 22.05805 | 44.10194 | 10.39436 | 55.81564 |
| 4/8/2025 | 7:00:00 AM | 33.71092 | 60.14783 | 26.43691 | 21.29309 | 47.79617 | 14.08525 | 24.56475 | 49.38257 | 15.67165 | 23.67835 | 41.46311 | 7.75219 | 22.05781 | 44.10194 | 10.39102 | 55.81898 |
| 4/8/2025 | 8:00:00 AM | 33.71092 | 60.1514 | 26.44048 | 21.28952 | 47.80623 | 14.09531 | 24.55469 | 49.379 | 15.66808 | 23.68192 | 41.46669 | 7.75577 | 22.05423 | 44.10194 | 10.39102 | 55.81898 |
| 4/8/2025 | 9:00:00 AM | 33.70424 | 60.12998 | 26.42574 | 21.30426 | 47.77604 | 14.0718 | 24.5782 | 49.37187 | 15.66763 | 23.68237 | 41.44164 | 7.7374 | 22.0726 | 44.07692 | 10.37268 | 55.83732 |
| 4/8/2025 | 10:00:00 AM | 33.69755 | 60.1157 | 26.41815 | 21.31185 | 47.76263 | 14.06508 | 24.58492 | 49.34691 | 15.64936 | 23.70064 | 41.44164 | 7.74409 | 22.06591 | 44.06263 | 10.36508 | 55.84492 |
| 4/8/2025 | 11:00:00 AM | 33.70089 | 60.11212 | 26.41123 | 21.31877 | 47.75592 | 14.05503 | 24.59497 | 49.35761 | 15.65672 | 23.69328 | 41.44522 | 7.74433 | 22.06567 | 44.06978 | 10.36889 | 55.84111 |
| 4/8/2025 | 12:00:00 PM | 33.71092 | 60.12641 | 26.41549 | 21.31451 | 47.75927 | 14.04835 | 24.60165 | 49.37187 | 15.66095 | 23.68905 | 41.45953 | 7.74861 | 22.06139 | 44.08765 | 10.37673 | 55.83327 |
| 4/8/2025 | 1:00:00 PM | 33.71427 | 60.12284 | 26.40857 | 21.32143 | 47.76598 | 14.05171 | 24.59829 | 49.37543 | 15.66116 | 23.68884 | 41.45595 | 7.74168 | 22.06832 | 44.0805 | 10.36623 | 55.84377 |
| 4/8/2025 | 2:00:00 PM | 33.73433 | 60.12284 | 26.38851 | 21.34149 | 47.76263 | 14.0283 | 24.6217 | 49.38257 | 15.64824 | 23.70176 | 41.45595 | 7.72162 | 22.08838 | 44.09122 | 10.35689 | 55.85311 |
| 4/8/2025 | 3:00:00 PM | 33.7243 | 60.12998 | 26.40568 | 21.32432 | 47.76263 | 14.03833 | 24.61167 | 49.39326 | 15.66896 | 23.68104 | 41.45953 | 7.73523 | 22.07477 | 44.09122 | 10.36692 | 55.84308 |
| 4/8/2025 | 4:00:00 PM | 33.73433 | 60.14069 | 26.40636 | 21.32364 | 47.76933 | 14.035 | 24.615 | 49.40396 | 15.66963 | 23.68037 | 41.45953 | 7.7252 | 22.0848 | 44.09837 | 10.36404 | 55.84596 |
| 4/8/2025 | 5:00:00 PM | 33.74771 | 60.16569 | 26.41798 | 21.31202 | 47.80958 | 14.06187 | 24.58813 | 49.43248 | 15.68477 | 23.66523 | 41.48815 | 7.74044 | 22.06956 | 44.13768 | 10.38997 | 55.82003 |
| 4/8/2025 | 6:00:00 PM | 33.75105 | 60.1764 | 26.42535 | 21.30465 | 47.823 | 14.07195 | 24.57805 | 49.45387 | 15.70282 | 23.64718 | 41.48458 | 7.73353 | 22.07647 | 44.15198 | 10.40093 | 55.80907 |
| 4/8/2025 | 7:00:00 PM | 33.73768 | 60.19425 | 26.45657 | 21.27343 | 47.84983 | 14.11215 | 24.53785 | 49.48952 | 15.75184 | 23.59816 | 41.49531 | 7.75763 | 22.05237 | 44.15198 | 10.4143 | 55.7957 |
| 4/8/2025 | 8:00:00 PM | 33.74771 | 60.21925 | 26.47154 | 21.25846 | 47.88001 | 14.1323 | 24.5177 | 49.52518 | 15.77747 | 23.57253 | 41.50604 | 7.75833 | 22.05167 | 44.17699 | 10.42928 | 55.78072 |
| 4/8/2025 | 9:00:00 PM | 33.76443 | 60.25139 | 26.48696 | 21.24304 | 47.91355 | 14.14912 | 24.50088 | 49.55726 | 15.79283 | 23.55717 | 41.52393 | 7.7595 | 22.0505 | 44.20559 | 10.44116 | 55.76884 |
| 4/8/2025 | 10:00:00 PM | 33.7778 | 60.27638 | 26.49858 | 21.23142 | 47.9538 | 14.176 | 24.474 | 49.60005 | 15.82225 | 23.52775 | 41.53466 | 7.75686 | 22.05314 | 44.21273 | 10.43493 | 55.77507 |
| 4/8/2025 | 11:00:00 PM | 33.78784 | 60.28353 | 26.49569 | 21.23431 | 47.96386 | 14.17602 | 24.47398 | 49.61074 | 15.8229 | 23.5271 | 41.53109 | 7.74325 | 22.06675 | 44.21631 | 10.42847 | 55.78153 |
| 4/9/2025 | 12:00:00 AM | 33.78784 | 60.2871 | 26.49926 | 21.23074 | 47.99404 | 14.2062 | 24.4438 | 49.625 | 15.83716 | 23.51284 | 41.53824 | 7.7504 | 22.0596 | 44.21273 | 10.42489 | 55.78511 |
| 4/9/2025 | 1:00:00 AM | 33.80456 | 60.31209 | 26.50753 | 21.22247 | 48.02088 | 14.21632 | 24.43368 | 49.66422 | 15.85966 | 23.49034 | 41.54182 | 7.73726 | 22.07274 | 44.22703 | 10.42247 | 55.78753 |
| 4/9/2025 | 2:00:00 AM | 33.8079 | 60.32995 | 26.52205 | 21.20795 | 48.03429 | 14.22639 | 24.42361 | 49.67492 | 15.86702 | 23.48298 | 41.5454 | 7.7375 | 22.0725 | 44.21988 | 10.41198 | 55.79802 |
| 4/9/2025 | 3:00:00 AM | 33.81793 | 60.34066 | 26.52273 | 21.20727 | 48.05441 | 14.23648 | 24.41352 | 49.70344 | 15.88551 | 23.46449 | 41.55255 | 7.73462 | 22.07538 | 44.2306 | 10.41267 | 55.79733 |
| 4/9/2025 | 4:00:00 AM | 33.82128 | 60.36209 | 26.54081 | 21.18919 | 48.07454 | 14.25326 | 24.39674 | 49.71414 | 15.89286 | 23.45714 | 41.55613 | 7.73485 | 22.07515 | 44.22703 | 10.40575 | 55.80425 |
| 4/9/2025 | 5:00:00 AM | 33.81124 | 60.36566 | 26.55442 | 21.17558 | 48.08795 | 14.27671 | 24.37329 | 49.73553 | 15.92429 | 23.42571 | 41.55971 | 7.74847 | 22.06153 | 44.23418 | 10.42294 | 55.78706 |
| 4/9/2025 | 6:00:00 AM | 33.82128 | 60.37637 | 26.55509 | 21.17491 | 48.10472 | 14.28344 | 24.36656 | 49.74979 | 15.92851 | 23.42149 | 41.56687 | 7.74559 | 22.06441 | 44.23418 | 10.4129 | 55.7971 |
| 4/9/2025 | 7:00:00 AM | 33.82128 | 60.38708 | 26.5658 | 21.1642 | 48.11814 | 14.29686 | 24.35314 | 49.75692 | 15.93564 | 23.41436 | 41.5776 | 7.75632 | 22.05368 | 44.23418 | 10.4129 | 55.7971 |
| 4/9/2025 | 8:00:00 AM | 33.83465 | 60.39779 | 26.56314 | 21.16686 | 48.1282 | 14.29355 | 24.35645 | 49.76405 | 15.9294 | 23.4206 | 41.58118 | 7.74653 | 22.06347 | 44.22703 | 10.39238 | 55.81762 |
| 4/9/2025 | 9:00:00 AM | 33.83465 | 60.39779 | 26.56314 | 21.16686 | 48.13155 | 14.2969 | 24.3531 | 49.77475 | 15.9401 | 23.4099 | 41.58475 | 7.7501 | 22.0599 | 44.21631 | 10.38166 | 55.82834 |
| 4/9/2025 | 10:00:00 AM | 33.85137 | 60.42279 | 26.57142 | 21.15858 | 48.14832 | 14.29695 | 24.35305 | 49.79614 | 15.94477 | 23.40523 | 41.60264 | 7.75127 | 22.05873 | 44.23775 | 10.38638 | 55.82362 |
| 4/9/2025 | 11:00:00 AM | 33.8614 | 60.42636 | 26.56496 | 21.16504 | 48.16174 | 14.30034 | 24.34966 | 49.80327 | 15.94187 | 23.40813 | 41.60264 | 7.74124 | 22.06876 | 44.23418 | 10.37278 | 55.83722 |
| 4/9/2025 | 12:00:00 PM | 33.88147 | 60.42279 | 26.54132 | 21.18868 | 48.15838 | 14.27691 | 24.37309 | 49.81753 | 15.93606 | 23.41394 | 41.60264 | 7.72117 | 22.08883 | 44.21631 | 10.33484 | 55.87516 |
| 4/9/2025 | 1:00:00 PM | 33.88481 | 60.40494 | 26.52013 | 21.20987 | 48.13826 | 14.25345 | 24.39655 | 49.78188 | 15.89707 | 23.45293 | 41.58475 | 7.69994 | 22.11006 | 44.19129 | 10.30648 | 55.90352 |
| 4/9/2025 | 2:00:00 PM | 33.93497 | 60.39779 | 26.46282 | 21.26718 | 48.11478 | 14.17981 | 24.47019 | 49.76761 | 15.83264 | 23.51736 | 41.58833 | 7.65336 | 22.15664 | 44.17699 | 10.24202 | 55.96798 |
| 4/9/2025 | 3:00:00 PM | 33.93832 | 60.38708 | 26.44876 | 21.28124 | 48.10472 | 14.1664 | 24.4836 | 49.76405 | 15.82573 | 23.52427 | 41.59549 | 7.65717 | 22.15283 | 44.16627 | 10.22795 | 55.98205 |
| 4/9/2025 | 4:00:00 PM | 33.9216 | 60.39422 | 26.47262 | 21.25738 | 48.08795 | 14.16635 | 24.48365 | 49.74622 | 15.82462 | 23.52538 | 41.60264 | 7.68104 | 22.12896 | 44.16985 | 10.24825 | 55.96175 |
| 4/9/2025 | 5:00:00 PM | 33.91156 | 60.37637 | 26.46481 | 21.26519 | 48.07454 | 14.16298 | 24.48702 | 49.73553 | 15.82397 | 23.52603 | 41.59549 | 7.68393 | 22.12607 | 44.15912 | 10.24756 | 55.96244 |
| 4/9/2025 | 6:00:00 PM | 33.89484 | 60.3728 | 26.47796 | 21.25204 | 48.05106 | 14.15622 | 24.49378 | 49.71414 | 15.8193 | 23.5307 | 41.59907 | 7.70423 | 22.10577 | 44.15198 | 10.25714 | 55.95286 |
| 4/9/2025 | 7:00:00 PM | 33.89484 | 60.36566 | 26.47082 | 21.25918 | 48.041 | 14.14616 | 24.50384 | 49.70701 | 15.81217 | 23.53783 | 41.59549 | 7.70065 | 22.10935 | 44.15198 | 10.25714 | 55.95286 |
| 4/9/2025 | 8:00:00 PM | 33.87144 | 60.35851 | 26.48707 | 21.24293 | 48.03094 | 14.1595 | 24.4905 | 49.69274 | 15.8213 | 23.5287 | 41.60264 | 7.7312 | 22.0788 | 44.14483 | 10.27339 | 55.93661 |
| 4/9/2025 | 9:00:00 PM | 33.87144 | 60.37637 | 26.50493 | 21.22507 | 48.03429 | 14.16285 | 24.48715 | 49.70344 | 15.832 | 23.518 | 41.62053 | 7.74909 | 22.06091 | 44.15912 | 10.28768 | 55.92232 |
| 4/9/2025 | 10:00:00 PM | 33.85472 | 60.35851 | 26.50379 | 21.22621 | 48.01081 | 14.15609 | 24.49391 | 49.68205 | 15.82733 | 23.52267 | 41.60622 | 7.7515 | 22.0585 | 44.15198 | 10.29726 | 55.91274 |
| 4/9/2025 | 11:00:00 PM | 33.84468 | 60.35851 | 26.51383 | 21.21617 | 48.00075 | 14.15607 | 24.49393 | 49.67492 | 15.83024 | 23.51976 | 41.61338 | 7.7687 | 22.0413 | 44.14483 | 10.30015 | 55.90985 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/10/2025 | 12:00:00 AM | 33.84803 | 60.35494 | 26.50691 | 21.22309 | 48.00411 | 14.15608 | 24.49392 | 49.67848 | 15.83045 | 23.51955 | 41.61338 | 7.76535 | 22.04465 | 44.1484 | 10.30037 | 55.90963 |
| 4/10/2025 | 1:00:00 AM | 33.84468 | 60.36209 | 26.51741 | 21.21259 | 48.00075 | 14.15607 | 24.49393 | 49.66779 | 15.82311 | 23.52689 | 41.61695 | 7.77227 | 22.03773 | 44.15555 | 10.31087 | 55.89913 |
| 4/10/2025 | 2:00:00 AM | 33.80121 | 60.34066 | 26.53945 | 21.19055 | 47.97392 | 14.17271 | 24.47729 | 49.64996 | 15.84875 | 23.50125 | 41.60264 | 7.80143 | 22.00857 | 44.14483 | 10.34362 | 55.86638 |
| 4/10/2025 | 3:00:00 AM | 33.78784 | 60.32638 | 26.53854 | 21.19146 | 47.94709 | 14.15925 | 24.49075 | 49.62857 | 15.84073 | 23.50927 | 41.58833 | 7.80049 | 22.00951 | 44.13411 | 10.34627 | 55.86373 |
| 4/10/2025 | 4:00:00 AM | 33.77446 | 60.30138 | 26.52692 | 21.20308 | 47.92026 | 14.1458 | 24.5042 | 49.60005 | 15.82559 | 23.52441 | 41.58475 | 7.81029 | 21.99971 | 44.10909 | 10.33463 | 55.87537 |
| 4/10/2025 | 5:00:00 AM | 33.76443 | 60.28353 | 26.5191 | 21.2109 | 47.89343 | 14.129 | 24.521 | 49.57509 | 15.81066 | 23.53934 | 41.58118 | 7.81675 | 21.99325 | 44.10194 | 10.33751 | 55.87249 |
| 4/10/2025 | 6:00:00 AM | 33.7544 | 60.27281 | 26.51841 | 21.21159 | 47.87666 | 14.12226 | 24.52774 | 49.55013 | 15.79573 | 23.55427 | 41.58118 | 7.82678 | 21.98322 | 44.10194 | 10.34754 | 55.86246 |
| 4/10/2025 | 7:00:00 AM | 33.74436 | 60.25853 | 26.51417 | 21.21583 | 47.84647 | 14.10211 | 24.54789 | 49.53587 | 15.79151 | 23.55849 | 41.5776 | 7.83324 | 21.97676 | 44.09122 | 10.34686 | 55.86314 |
| 4/10/2025 | 8:00:00 AM | 33.73099 | 60.23353 | 26.50254 | 21.22746 | 47.823 | 14.09201 | 24.55799 | 49.50378 | 15.77279 | 23.57721 | 41.57044 | 7.83945 | 21.97055 | 44.0805 | 10.34951 | 55.86049 |
| 4/10/2025 | 9:00:00 AM | 33.73099 | 60.22639 | 26.4954 | 21.2346 | 47.80287 | 14.07188 | 24.57812 | 49.48596 | 15.75497 | 23.59503 | 41.57044 | 7.83945 | 21.97055 | 44.0805 | 10.34951 | 55.86049 |
| 4/10/2025 | 10:00:00 AM | 33.72764 | 60.20854 | 26.4809 | 21.2491 | 47.77604 | 14.0484 | 24.6016 | 49.461 | 15.73336 | 23.61664 | 41.55971 | 7.83207 | 21.97793 | 44.07692 | 10.34928 | 55.86072 |
| 4/10/2025 | 11:00:00 AM | 33.73099 | 60.19425 | 26.46326 | 21.26674 | 47.75256 | 14.02157 | 24.62843 | 49.43961 | 15.70862 | 23.64138 | 41.55255 | 7.82156 | 21.98844 | 44.0805 | 10.34951 | 55.86049 |
| 4/10/2025 | 12:00:00 PM | 33.74102 | 60.19425 | 26.45323 | 21.27677 | 47.74921 | 14.00819 | 24.64181 | 49.43248 | 15.69146 | 23.65854 | 41.55971 | 7.81869 | 21.99131 | 44.08765 | 10.34663 | 55.86337 |
| 4/10/2025 | 1:00:00 PM | 33.7544 | 60.17283 | 26.41843 | 21.31157 | 47.71903 | 13.96463 | 24.68537 | 49.41465 | 15.66025 | 23.68975 | 41.55255 | 7.79815 | 22.01185 | 44.07692 | 10.32252 | 55.88748 |
| 4/10/2025 | 2:00:00 PM | 33.78115 | 60.24068 | 26.45953 | 21.27047 | 47.76933 | 13.98818 | 24.66182 | 49.461 | 15.67985 | 23.67015 | 41.6098 | 7.82865 | 21.98135 | 44.13768 | 10.35653 | 55.85347 |
| 4/10/2025 | 3:00:00 PM | 33.80456 | 60.30138 | 26.49682 | 21.23318 | 47.84312 | 14.03856 | 24.61144 | 49.53944 | 15.73488 | 23.61512 | 41.64558 | 7.84102 | 21.96898 | 44.21631 | 10.41175 | 55.79825 |
| 4/10/2025 | 4:00:00 PM | 33.81793 | 60.30138 | 26.48345 | 21.24655 | 47.85989 | 14.04196 | 24.60804 | 49.56439 | 15.74646 | 23.60354 | 41.63484 | 7.81691 | 21.99309 | 44.2449 | 10.42697 | 55.78303 |
| 4/10/2025 | 5:00:00 PM | 33.81124 | 60.29424 | 26.483 | 21.247 | 47.85653 | 14.04529 | 24.60471 | 49.56083 | 15.74959 | 23.60041 | 41.60622 | 7.79498 | 22.01502 | 44.21988 | 10.40864 | 55.80136 |
| 4/10/2025 | 6:00:00 PM | 33.82128 | 60.32281 | 26.50153 | 21.22847 | 47.89678 | 14.0755 | 24.5745 | 49.58935 | 15.76807 | 23.58193 | 41.62769 | 7.80641 | 22.00359 | 44.2449 | 10.42362 | 55.78638 |
| 4/10/2025 | 7:00:00 PM | 33.84134 | 60.34423 | 26.50289 | 21.22711 | 47.93032 | 14.08898 | 24.56102 | 49.61074 | 15.7694 | 23.5806 | 41.63842 | 7.79708 | 22.01292 | 44.25919 | 10.41785 | 55.79215 |
| 4/10/2025 | 8:00:00 PM | 33.838 | 60.34066 | 26.50266 | 21.22734 | 47.93032 | 14.09232 | 24.55768 | 49.62144 | 15.78344 | 23.56656 | 41.63127 | 7.79327 | 22.01673 | 44.25562 | 10.41762 | 55.79238 |
| 4/10/2025 | 9:00:00 PM | 33.84468 | 60.36923 | 26.52455 | 21.20545 | 47.96386 | 14.11918 | 24.53082 | 49.6464 | 15.80172 | 23.54828 | 41.64915 | 7.80447 | 22.00553 | 44.26277 | 10.41809 | 55.79191 |
| 4/10/2025 | 10:00:00 PM | 33.85472 | 60.40494 | 26.55022 | 21.17978 | 48.00411 | 14.14939 | 24.50061 | 49.67492 | 15.8202 | 23.5298 | 41.66704 | 7.81232 | 21.99768 | 44.29851 | 10.44379 | 55.76621 |
| 4/10/2025 | 11:00:00 PM | 33.86475 | 60.40137 | 26.53662 | 21.19338 | 48.01752 | 14.15277 | 24.49723 | 49.69274 | 15.82799 | 23.52201 | 41.66347 | 7.79872 | 22.01128 | 44.29851 | 10.43376 | 55.77624 |
| 4/11/2025 | 12:00:00 AM | 33.87144 | 60.42636 | 26.55492 | 21.17508 | 48.041 | 14.16956 | 24.48044 | 49.71057 | 15.83913 | 23.51087 | 41.67062 | 7.79918 | 22.01082 | 44.30208 | 10.43064 | 55.77936 |
| 4/11/2025 | 1:00:00 AM | 33.88147 | 60.44064 | 26.55917 | 21.17083 | 48.07118 | 14.18971 | 24.46029 | 49.73909 | 15.85762 | 23.49238 | 41.68135 | 7.79988 | 22.01012 | 44.30923 | 10.42776 | 55.78224 |
| 4/11/2025 | 2:00:00 AM | 33.87812 | 60.44422 | 26.5661 | 21.1639 | 48.07789 | 14.19977 | 24.45023 | 49.74266 | 15.86454 | 23.48546 | 41.6742 | 7.79608 | 22.01392 | 44.30208 | 10.42396 | 55.78604 |
| 4/11/2025 | 3:00:00 AM | 33.87478 | 60.44779 | 26.57301 | 21.15699 | 48.07454 | 14.19976 | 24.45024 | 49.73553 | 15.86075 | 23.48925 | 41.66704 | 7.79226 | 22.01774 | 44.28064 | 10.40586 | 55.80414 |
| 4/11/2025 | 4:00:00 AM | 33.86809 | 60.45493 | 26.58684 | 21.14316 | 48.07789 | 14.2098 | 24.4402 | 49.73196 | 15.86387 | 23.48613 | 41.66347 | 7.79538 | 22.01462 | 44.28064 | 10.41255 | 55.79745 |
| 4/11/2025 | 5:00:00 AM | 33.8614 | 60.45136 | 26.58996 | 21.14004 | 48.09466 | 14.23326 | 24.41674 | 49.74622 | 15.88482 | 23.46518 | 41.67062 | 7.80922 | 22.00078 | 44.28421 | 10.42281 | 55.78719 |
| 4/11/2025 | 6:00:00 AM | 33.86475 | 60.4585 | 26.59375 | 21.13625 | 48.09131 | 14.22656 | 24.42344 | 49.74266 | 15.87791 | 23.47209 | 41.67062 | 7.80587 | 22.00413 | 44.27349 | 10.40874 | 55.80126 |
| 4/11/2025 | 7:00:00 AM | 33.86475 | 60.46921 | 26.60446 | 21.12554 | 48.09801 | 14.23326 | 24.41674 | 49.74266 | 15.87791 | 23.47209 | 41.68135 | 7.8166 | 21.9934 | 44.28064 | 10.41589 | 55.79411 |
| 4/11/2025 | 8:00:00 AM | 33.86809 | 60.46921 | 26.60112 | 21.12888 | 48.10808 | 14.23999 | 24.41001 | 49.75692 | 15.88883 | 23.46117 | 41.69924 | 7.83115 | 21.97885 | 44.28778 | 10.41969 | 55.79031 |
| 4/11/2025 | 9:00:00 AM | 33.87478 | 60.48707 | 26.61229 | 21.11771 | 48.12485 | 14.25007 | 24.39993 | 49.77118 | 15.8964 | 23.4536 | 41.69567 | 7.82089 | 21.98911 | 44.28778 | 10.413 | 55.797 |
| 4/11/2025 | 10:00:00 AM | 33.88147 | 60.49064 | 26.60917 | 21.12083 | 48.12149 | 14.24002 | 24.40998 | 49.76405 | 15.88258 | 23.46742 | 41.69924 | 7.81777 | 21.99223 | 44.29136 | 10.40989 | 55.80011 |
| 4/11/2025 | 11:00:00 AM | 33.87812 | 60.48707 | 26.60895 | 21.12105 | 48.12149 | 14.24337 | 24.40663 | 49.76048 | 15.88236 | 23.46764 | 41.70282 | 7.8247 | 21.9853 | 44.28421 | 10.40609 | 55.80391 |
| 4/11/2025 | 12:00:00 PM | 33.87812 | 60.47635 | 26.59823 | 21.13177 | 48.10472 | 14.2266 | 24.4234 | 49.74622 | 15.8681 | 23.4819 | 41.68851 | 7.81039 | 21.99961 | 44.26634 | 10.38822 | 55.82178 |
| 4/11/2025 | 1:00:00 PM | 33.88147 | 60.45493 | 26.57346 | 21.15654 | 48.0846 | 14.20313 | 24.44687 | 49.72483 | 15.84336 | 23.50664 | 41.68493 | 7.80346 | 22.00654 | 44.24132 | 10.35985 | 55.85015 |
| 4/11/2025 | 2:00:00 PM | 33.88481 | 60.44779 | 26.56298 | 21.16702 | 48.07454 | 14.18973 | 24.46027 | 49.71057 | 15.82576 | 23.52424 | 41.69567 | 7.81086 | 21.99914 | 44.23775 | 10.35294 | 55.85706 |
| 4/11/2025 | 3:00:00 PM | 33.85806 | 60.44064 | 26.58258 | 21.14742 | 48.05441 | 14.19635 | 24.45365 | 49.69274 | 15.83468 | 23.51532 | 41.68851 | 7.83045 | 21.97955 | 44.22703 | 10.36897 | 55.84103 |
| 4/11/2025 | 4:00:00 PM | 33.84134 | 60.42636 | 26.58502 | 21.14498 | 48.03094 | 14.1896 | 24.4604 | 49.66779 | 15.82645 | 23.52355 | 41.68493 | 7.84359 | 21.96641 | 44.21273 | 10.37139 | 55.83861 |
| 4/11/2025 | 5:00:00 PM | 33.82796 | 60.41922 | 26.59126 | 21.13874 | 48.01417 | 14.18621 | 24.46379 | 49.65709 | 15.82913 | 23.52087 | 41.68493 | 7.85697 | 21.95303 | 44.20559 | 10.37763 | 55.83237 |
| 4/11/2025 | 6:00:00 PM | 33.82796 | 60.41922 | 26.59126 | 21.13874 | 48.00411 | 14.17615 | 24.47385 | 49.6464 | 15.81844 | 23.53156 | 41.68851 | 7.86055 | 21.94945 | 44.21631 | 10.38835 | 55.82165 |
| 4/11/2025 | 7:00:00 PM | 33.81793 | 60.42279 | 26.60486 | 21.12514 | 47.9974 | 14.17947 | 24.47053 | 49.63927 | 15.82134 | 23.52866 | 41.69924 | 7.88131 | 21.92869 | 44.21988 | 10.40195 | 55.80805 |
| 4/11/2025 | 8:00:00 PM | 33.8079 | 60.42279 | 26.61489 | 21.11511 | 47.98734 | 14.17944 | 24.47056 | 49.63213 | 15.82423 | 23.52577 | 41.69924 | 7.89134 | 21.91866 | 44.22703 | 10.41913 | 55.79087 |
| 4/11/2025 | 9:00:00 PM | 33.79787 | 60.42636 | 26.62849 | 21.10151 | 47.98398 | 14.18611 | 24.46389 | 49.6357 | 15.83783 | 23.51217 | 41.7064 | 7.90853 | 21.90147 | 44.23418 | 10.43631 | 55.77369 |
| 4/11/2025 | 10:00:00 PM | 33.8079 | 60.42993 | 26.62203 | 21.10797 | 48.00746 | 14.19956 | 24.45044 | 49.63927 | 15.83137 | 23.51863 | 41.71713 | 7.90923 | 21.90077 | 44.2449 | 10.437 | 55.773 |
| 4/11/2025 | 11:00:00 PM | 33.79787 | 60.42279 | 26.62492 | 21.10508 | 47.98398 | 14.18611 | 24.46389 | 49.63213 | 15.83426 | 23.51574 | 41.71713 | 7.91926 | 21.89074 | 44.2449 | 10.44703 | 55.76297 |
| 4/12/2025 | 12:00:00 AM | 33.78449 | 60.42636 | 26.64187 | 21.08813 | 47.98063 | 14.19614 | 24.45386 | 49.61787 | 15.83338 | 23.51662 | 41.70998 | 7.92549 | 21.88451 | 44.23775 | 10.45326 | 55.75674 |
| 4/12/2025 | 1:00:00 AM | 33.78784 | 60.42636 | 26.63852 | 21.09148 | 47.97727 | 14.18943 | 24.46057 | 49.61787 | 15.83003 | 23.51997 | 41.71355 | 7.92571 | 21.88429 | 44.24132 | 10.45348 | 55.75652 |
| 4/12/2025 | 2:00:00 AM | 33.78784 | 60.42279 | 26.63495 | 21.09505 | 47.98063 | 14.19279 | 24.45721 | 49.61431 | 15.82647 | 23.52353 | 41.70998 | 7.92214 | 21.88786 | 44.25562 | 10.46778 | 55.74222 |
| 4/12/2025 | 3:00:00 AM | 33.78784 | 60.41565 | 26.62781 | 21.10219 | 47.97392 | 14.18608 | 24.46392 | 49.61074 | 15.8229 | 23.5271 | 41.71355 | 7.92571 | 21.88429 | 44.25205 | 10.46421 | 55.74579 |
| 4/12/2025 | 4:00:00 AM | 33.78449 | 60.41922 | 26.63473 | 21.09527 | 47.97727 | 14.19278 | 24.45722 | 49.61787 | 15.83338 | 23.51662 | 41.71713 | 7.93264 | 21.87736 | 44.25562 | 10.47113 | 55.73887 |
| 4/12/2025 | 5:00:00 AM | 33.78115 | 60.43707 | 26.65592 | 21.07408 | 47.98063 | 14.19948 | 24.45052 | 49.625 | 15.84385 | 23.50615 | 41.72071 | 7.93956 | 21.87044 | 44.26634 | 10.48519 | 55.72481 |
| 4/12/2025 | 6:00:00 AM | 33.78449 | 60.4585 | 26.67401 | 21.05599 | 48.00075 | 14.21626 | 24.43374 | 49.63927 | 15.85478 | 23.49522 | 41.7386 | 7.95411 | 21.85589 | 44.28778 | 10.50329 | 55.70671 |
| 4/12/2025 | 7:00:00 AM | 33.79787 | 60.46207 | 26.6642 | 21.0658 | 48.01417 | 14.2163 | 24.4337 | 49.6464 | 15.84853 | 23.50147 | 41.74218 | 7.94431 | 21.86569 | 44.29851 | 10.50064 | 55.70936 |
| 4/12/2025 | 8:00:00 AM | 33.80121 | 60.47635 | 26.67514 | 21.05486 | 48.02758 | 14.22637 | 24.42363 | 49.66422 | 15.86301 | 23.48699 | 41.74933 | 7.94812 | 21.86188 | 44.3128 | 10.51159 | 55.69841 |
| 4/12/2025 | 9:00:00 AM | 33.81459 | 60.47992 | 26.66533 | 21.06467 | 48.041 | 14.22641 | 24.42359 | 49.67492 | 15.86033 | 23.48967 | 41.7386 | 7.92401 | 21.88599 | 44.31638 | 10.50179 | 55.70821 |
| 4/12/2025 | 10:00:00 AM | 33.81459 | 60.49421 | 26.67962 | 21.05038 | 48.05777 | 14.24318 | 24.40682 | 49.68561 | 15.87102 | 23.47898 | 41.75291 | 7.93832 | 21.87168 | 44.32352 | 10.50893 | 55.70107 |
| 4/12/2025 | 11:00:00 AM | 33.84468 | 60.49778 | 26.6531 | 21.0769 | 48.06783 | 14.22315 | 24.42685 | 49.69631 | 15.85163 | 23.49837 | 41.75649 | 7.91181 | 21.89819 | 44.33067 | 10.48599 | 55.72401 |
| 4/12/2025 | 12:00:00 PM | 33.85472 | 60.49778 | 26.64306 | 21.08694 | 48.07118 | 14.21646 | 24.43354 | 49.69631 | 15.84159 | 23.50841 | 41.75291 | 7.89819 | 21.91181 | 44.33067 | 10.47595 | 55.73405 |
| 4/12/2025 | 1:00:00 PM | 33.87144 | 60.50135 | 26.62991 | 21.10009 | 48.07454 | 14.2031 | 24.4469 | 49.69274 | 15.8213 | 23.5287 | 41.76007 | 7.88863 | 21.92137 | 44.31995 | 10.44851 | 55.76149 |
| 4/12/2025 | 2:00:00 PM | 33.9216 | 60.49778 | 26.57618 | 21.15382 | 48.07789 | 14.15629 | 24.49371 | 49.69631 | 15.77471 | 23.57529 | 41.76007 | 7.83847 | 21.97153 | 44.31995 | 10.39835 | 55.81165 |
| 4/12/2025 | 3:00:00 PM | 33.95504 | 60.50849 | 26.55345 | 21.17655 | 48.08124 | 14.1262 | 24.5238 | 49.69274 | 15.7377 | 23.6123 | 41.76007 | 7.80503 | 22.00497 | 44.31638 | 10.36134 | 55.84866 |
| 4/12/2025 | 4:00:00 PM | 33.93163 | 60.50849 | 26.57686 | 21.15314 | 48.07789 | 14.14626 | 24.50374 | 49.69631 | 15.76468 | 23.58532 | 41.76364 | 7.83201 | 21.97799 | 44.32352 | 10.39189 | 55.81811 |
| 4/12/2025 | 5:00:00 PM | 33.92494 | 60.50849 | 26.58355 | 21.14645 | 48.07789 | 14.15295 | 24.49705 | 49.69274 | 15.7678 | 23.5822 | 41.76722 | 7.84228 | 21.96772 | 44.31995 | 10.39501 | 55.81499 |
| 4/12/2025 | 6:00:00 PM | 33.91491 | 60.51206 | 26.59715 | 21.13285 | 48.08124 | 14.16633 | 24.48367 | 49.69631 | 15.7814 | 23.5686 | 41.7708 | 7.85589 | 21.95411 | 44.31995 | 10.40504 | 55.80496 |
| 4/12/2025 | 7:00:00 PM | 33.91491 | 60.52278 | 26.60787 | 21.12213 | 48.09801 | 14.1831 | 24.4669 | 49.71414 | 15.79923 | 23.55077 | 41.78153 | 7.86662 | 21.94338 | 44.33425 | 10.41934 | 55.79066 |
| 4/12/2025 | 8:00:00 PM | 33.90822 | 60.53349 | 26.62527 | 21.10473 | 48.11143 | 14.20321 | 24.44679 | 49.73196 | 15.82374 | 23.52626 | 41.79227 | 7.88405 | 21.92595 | 44.35212 | 10.4439 | 55.7661 |
| 4/12/2025 | 9:00:00 PM | 33.92494 | 60.58348 | 26.65854 | 21.07146 | 48.14161 | 14.21667 | 24.43333 | 49.75335 | 15.82841 | 23.52159 | 41.81373 | 7.88879 | 21.92121 | 44.38071 | 10.45577 | 55.75423 |
| 4/12/2025 | 10:00:00 PM | 33.945 | 60.57634 | 26.63134 | 21.09866 | 48.14497 | 14.19997 | 24.45003 | 49.75692 | 15.81192 | 23.53808 | 41.81016 | 7.86516 | 21.94484 | 44.38071 | 10.43571 | 55.77429 |
| 4/12/2025 | 11:00:00 PM | 33.94166 | 60.57634 | 26.63468 | 21.09532 | 48.14832 | 14.20666 | 24.44334 | 49.74979 | 15.80813 | 23.54187 | 41.803 | 7.86134 | 21.94866 | 44.38071 | 10.43905 | 55.77095 |
| 4/13/2025 | 12:00:00 AM | 33.96172 | 60.59419 | 26.63247 | 21.09753 | 48.16174 | 14.20002 | 24.44998 | 49.76761 | 15.80589 | 23.54411 | 41.81731 | 7.85559 | 21.95441 | 44.38071 | 10.41899 | 55.79101 |
| 4/13/2025 | 1:00:00 AM | 33.96507 | 60.59776 | 26.63269 | 21.09731 | 48.1718 | 14.20673 | 24.44327 | 49.76405 | 15.79898 | 23.55102 | 41.82447 | 7.8594 | 21.9506 | 44.38428 | 10.41921 | 55.79079 |
| 4/13/2025 | 2:00:00 AM | 33.9751 | 60.60491 | 26.62981 | 21.10019 | 48.17515 | 14.20005 | 24.44995 | 49.77118 | 15.79608 | 23.55392 | 41.82089 | 7.84579 | 21.96421 | 44.37713 | 10.40203 | 55.80797 |
| 4/13/2025 | 3:00:00 AM | 33.97844 | 60.59062 | 26.61218 | 21.11782 | 48.1718 | 14.19336 | 24.45664 | 49.76761 | 15.78917 | 23.56083 | 41.82804 | 7.8496 | 21.9604 | 44.37356 | 10.39512 | 55.81488 |
| 4/13/2025 | 4:00:00 AM | 33.97176 | 60.59776 | 26.626 | 21.104 | 48.17515 | 14.20339 | 24.44661 | 49.76761 | 15.79585 | 23.55415 | 41.83162 | 7.85986 | 21.95014 | 44.37356 | 10.4018 | 55.8082 |
| 4/13/2025 | 5:00:00 AM | 33.96841 | 60.59776 | 26.62935 | 21.10065 | 48.16509 | 14.19668 | 24.45332 | 49.75692 | 15.78851 | 23.56149 | 41.83162 | 7.86321 | 21.94679 | 44.36641 | 10.398 | 55.812 |
| 4/13/2025 | 6:00:00 AM | 33.96841 | 60.58705 | 26.61864 | 21.11136 | 48.1718 | 14.20339 | 24.44661 | 49.75335 | 15.78494 | 23.56506 | 41.82089 | 7.85248 | 21.95752 | 44.36641 | 10.398 | 55.812 |
| 4/13/2025 | 7:00:00 AM | 33.97176 | 60.59419 | 26.62243 | 21.10757 | 48.16509 | 14.19333 | 24.45667 | 49.75335 | 15.78159 | 23.56841 | 41.8352 | 7.86344 | 21.94656 | 44.36284 | 10.39108 | 55.81892 |
| 4/13/2025 | 8:00:00 AM | 33.97176 | 60.60848 | 26.63672 | 21.09328 | 48.1718 | 14.20004 | 24.44996 | 49.76405 | 15.79229 | 23.55771 | 41.84593 | 7.87417 | 21.93583 | 44.36998 | 10.39822 | 55.81178 |
| 4/13/2025 | 9:00:00 AM | 33.97844 | 60.59776 | 26.61932 | 21.11068 | 48.16174 | 14.1833 | 24.4667 | 49.74979 | 15.77135 | 23.57865 | 41.84236 | 7.86392 | 21.94608 | 44.36641 | 10.38797 | 55.82203 |
| 4/13/2025 | 10:00:00 AM | 33.97844 | 60.58705 | 26.60861 | 21.12139 | 48.15503 | 14.17659 | 24.47341 | 49.74266 | 15.76422 | 23.58578 | 41.84236 | 7.86392 | 21.94608 | 44.36284 | 10.3844 | 55.8256 |
| 4/13/2025 | 11:00:00 AM | 33.98848 | 60.59419 | 26.60571 | 21.12429 | 48.15168 | 14.1632 | 24.4868 | 49.73909 | 15.75061 | 23.59939 | 41.84593 | 7.85745 | 21.95255 | 44.36284 | 10.37436 | 55.83564 |
| 4/13/2025 | 12:00:00 PM | 34.00185 | 60.58705 | 26.5852 | 21.1448 | 48.14832 | 14.14647 | 24.50353 | 49.7284 | 15.72655 | 23.62345 | 41.84236 | 7.84051 | 21.96949 | 44.35212 | 10.35027 | 55.85973 |
| 4/13/2025 | 1:00:00 PM | 34.01857 | 60.57634 | 26.55777 | 21.17223 | 48.1282 | 14.10963 | 24.54037 | 49.7177 | 15.69913 | 23.65087 | 41.82804 | 7.80947 | 22.00053 | 44.33782 | 10.31925 | 55.89075 |
| 4/13/2025 | 2:00:00 PM | 34.08211 | 60.5692 | 26.48709 | 21.24291 | 48.11478 | 14.03267 | 24.61733 | 49.69631 | 15.6142 | 23.7358 | 41.83878 | 7.75667 | 22.05333 | 44.33425 | 10.25214 | 55.95786 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/13/2025 | 3:00:00 PM | 34.10217 | 60.56205 | 26.45988 | 21.27012 | 48.10137 | 13.9992 | 24.6508 | 49.68205 | 15.57988 | 23.77012 | 41.83878 | 7.73661 | 22.07339 | 44.3271 | 10.22493 | 55.98507 |
| 4/13/2025 | 4:00:00 PM | 34.08211 | 60.5442 | 26.46209 | 21.26791 | 48.07454 | 13.99243 | 24.65757 | 49.66779 | 15.58568 | 23.76432 | 41.8352 | 7.75309 | 22.05691 | 44.3271 | 10.24499 | 55.96501 |
| 4/13/2025 | 5:00:00 PM | 34.07208 | 60.54063 | 26.46855 | 21.26145 | 48.06783 | 13.99575 | 24.65425 | 49.65353 | 15.58145 | 23.76855 | 41.82804 | 7.75596 | 22.05404 | 44.31995 | 10.24787 | 55.96213 |
| 4/13/2025 | 6:00:00 PM | 34.05536 | 60.52992 | 26.47456 | 21.25544 | 48.05106 | 13.9957 | 24.6543 | 49.63213 | 15.57677 | 23.77323 | 41.82804 | 7.77268 | 22.03732 | 44.3128 | 10.25744 | 55.95256 |
| 4/13/2025 | 7:00:00 PM | 34.04867 | 60.52992 | 26.48125 | 21.24875 | 48.03094 | 13.98227 | 24.66773 | 49.62144 | 15.57277 | 23.77723 | 41.82447 | 7.7758 | 22.0342 | 44.31995 | 10.27128 | 55.93872 |
| 4/13/2025 | 8:00:00 PM | 34.03529 | 60.52992 | 26.49463 | 21.23537 | 48.02423 | 13.98894 | 24.66106 | 49.61787 | 15.58258 | 23.76742 | 41.83162 | 7.79633 | 22.01367 | 44.33067 | 10.29538 | 55.91462 |
| 4/13/2025 | 9:00:00 PM | 34.02192 | 60.52635 | 26.50443 | 21.22557 | 48.02088 | 13.99896 | 24.65104 | 49.61787 | 15.59595 | 23.75405 | 41.83878 | 7.81686 | 21.99314 | 44.33425 | 10.31233 | 55.89767 |
| 4/13/2025 | 10:00:00 PM | 34.00854 | 60.52635 | 26.51781 | 21.21219 | 48.02423 | 14.01569 | 24.63431 | 49.62144 | 15.6129 | 23.7371 | 41.84236 | 7.83382 | 21.97618 | 44.34139 | 10.33285 | 55.87715 |
| 4/13/2025 | 11:00:00 PM | 33.99516 | 60.52278 | 26.52762 | 21.20238 | 48.01417 | 14.01901 | 24.63099 | 49.60361 | 15.60845 | 23.74155 | 41.8352 | 7.84004 | 21.96996 | 44.34854 | 10.35338 | 55.85662 |
| 4/14/2025 | 12:00:00 AM | 33.97844 | 60.50849 | 26.53005 | 21.19995 | 47.99069 | 14.01225 | 24.63775 | 49.58935 | 15.61091 | 23.73909 | 41.82447 | 7.84603 | 21.96397 | 44.33782 | 10.35938 | 55.85062 |
| 4/14/2025 | 1:00:00 AM | 33.96507 | 60.49421 | 26.52914 | 21.20086 | 47.98063 | 14.01556 | 24.63444 | 49.57509 | 15.61002 | 23.73998 | 41.82089 | 7.85582 | 21.95418 | 44.33067 | 10.3656 | 55.8444 |
| 4/14/2025 | 2:00:00 AM | 33.95838 | 60.49421 | 26.53583 | 21.19417 | 47.97392 | 14.01554 | 24.63446 | 49.56796 | 15.60958 | 23.74042 | 41.83162 | 7.87324 | 21.93676 | 44.34139 | 10.38301 | 55.82699 |
| 4/14/2025 | 3:00:00 AM | 33.93832 | 60.4835 | 26.54518 | 21.18482 | 47.95044 | 14.01212 | 24.63788 | 49.54657 | 15.60825 | 23.74175 | 41.81373 | 7.87541 | 21.93459 | 44.32352 | 10.3852 | 55.8248 |
| 4/14/2025 | 4:00:00 AM | 33.92828 | 60.47635 | 26.54807 | 21.18193 | 47.94374 | 14.01546 | 24.63454 | 49.53587 | 15.60759 | 23.74241 | 41.81731 | 7.88903 | 21.92097 | 44.32352 | 10.39524 | 55.81476 |
| 4/14/2025 | 5:00:00 AM | 33.91825 | 60.46564 | 26.54739 | 21.18261 | 47.93032 | 14.01207 | 24.63793 | 49.52518 | 15.60693 | 23.74307 | 41.81016 | 7.89191 | 21.91809 | 44.3128 | 10.39455 | 55.81545 |
| 4/14/2025 | 6:00:00 AM | 33.89819 | 60.4585 | 26.56031 | 21.16969 | 47.91355 | 14.01536 | 24.63464 | 49.50735 | 15.60916 | 23.74084 | 41.81016 | 7.91197 | 21.89803 | 44.30923 | 10.41104 | 55.79896 |
| 4/14/2025 | 7:00:00 AM | 33.87478 | 60.44064 | 26.56586 | 21.16414 | 47.90349 | 14.02871 | 24.62129 | 49.49665 | 15.62187 | 23.72813 | 41.79942 | 7.92464 | 21.88536 | 44.31995 | 10.44517 | 55.76483 |
| 4/14/2025 | 8:00:00 AM | 33.87478 | 60.44779 | 26.57301 | 21.15699 | 47.89678 | 14.022 | 24.628 | 49.48952 | 15.61474 | 23.73526 | 41.803 | 7.92822 | 21.88178 | 44.32352 | 10.44874 | 55.76126 |
| 4/14/2025 | 9:00:00 AM | 33.88147 | 60.43707 | 26.5556 | 21.1744 | 47.89007 | 14.0086 | 24.6414 | 49.48952 | 15.60805 | 23.74195 | 41.803 | 7.92153 | 21.88847 | 44.32352 | 10.44205 | 55.76795 |
| 4/14/2025 | 10:00:00 AM | 33.8915 | 60.4335 | 26.542 | 21.188 | 47.88672 | 13.99522 | 24.65478 | 49.47526 | 15.58376 | 23.76624 | 41.80658 | 7.91508 | 21.89492 | 44.33067 | 10.43917 | 55.77083 |
| 4/14/2025 | 11:00:00 AM | 33.89819 | 60.42993 | 26.53174 | 21.19826 | 47.88337 | 13.98518 | 24.66482 | 49.47883 | 15.58064 | 23.76936 | 41.80658 | 7.90839 | 21.90161 | 44.33782 | 10.43963 | 55.77037 |
| 4/14/2025 | 12:00:00 PM | 33.90488 | 60.41208 | 26.5072 | 21.2228 | 47.85989 | 13.95501 | 24.69499 | 49.461 | 15.55612 | 23.79388 | 41.78511 | 7.88023 | 21.92977 | 44.32352 | 10.41864 | 55.79136 |
| 4/14/2025 | 1:00:00 PM | 33.92494 | 60.37637 | 26.45143 | 21.27857 | 47.82635 | 13.90141 | 24.74859 | 49.41822 | 15.49328 | 23.85672 | 41.76007 | 7.83513 | 21.97487 | 44.29493 | 10.36999 | 55.84001 |
| 4/14/2025 | 2:00:00 PM | 33.97844 | 60.36923 | 26.39079 | 21.33921 | 47.80958 | 13.83114 | 24.81886 | 49.39683 | 15.41839 | 23.93161 | 41.75291 | 7.77447 | 22.03553 | 44.28778 | 10.30934 | 55.90066 |
| 4/14/2025 | 3:00:00 PM | 33.99851 | 60.35494 | 26.35643 | 21.37357 | 47.78275 | 13.78424 | 24.86576 | 49.379 | 15.38049 | 23.96951 | 41.74933 | 7.75082 | 22.05918 | 44.28421 | 10.2857 | 55.9243 |
| 4/14/2025 | 4:00:00 PM | 33.97844 | 60.3478 | 26.36936 | 21.36064 | 47.77269 | 13.79425 | 24.85575 | 49.35761 | 15.37917 | 23.97083 | 41.74218 | 7.76374 | 22.04626 | 44.28064 | 10.3022 | 55.9078 |
| 4/14/2025 | 5:00:00 PM | 33.96172 | 60.31924 | 26.35752 | 21.37248 | 47.74921 | 13.78749 | 24.86251 | 49.33978 | 15.37806 | 23.97194 | 41.73144 | 7.76972 | 22.04028 | 44.27706 | 10.31534 | 55.89466 |
| 4/14/2025 | 6:00:00 PM | 33.95504 | 60.31209 | 26.35705 | 21.37295 | 47.7358 | 13.78076 | 24.86924 | 49.33265 | 15.37761 | 23.97239 | 41.73144 | 7.7764 | 22.0336 | 44.28421 | 10.32917 | 55.88083 |
| 4/14/2025 | 7:00:00 PM | 33.94835 | 60.30852 | 26.36017 | 21.36983 | 47.72573 | 13.77738 | 24.87262 | 49.32909 | 15.38074 | 23.96926 | 41.7386 | 7.79025 | 22.01975 | 44.28064 | 10.33229 | 55.87771 |
| 4/14/2025 | 8:00:00 PM | 33.93832 | 60.31566 | 26.37734 | 21.35266 | 47.72238 | 13.78406 | 24.86594 | 49.32552 | 15.3872 | 23.9628 | 41.73502 | 7.7967 | 22.0133 | 44.29493 | 10.35661 | 55.85339 |
| 4/14/2025 | 9:00:00 PM | 33.93163 | 60.34066 | 26.40903 | 21.32097 | 47.74586 | 13.81423 | 24.83577 | 49.34335 | 15.41172 | 23.93828 | 41.75291 | 7.82128 | 21.98872 | 44.3271 | 10.39547 | 55.81453 |
| 4/14/2025 | 10:00:00 PM | 33.9216 | 60.34423 | 26.42263 | 21.30737 | 47.74921 | 13.82761 | 24.82239 | 49.35048 | 15.42888 | 23.92112 | 41.74218 | 7.82058 | 21.98942 | 44.34139 | 10.41979 | 55.79021 |
| 4/14/2025 | 11:00:00 PM | 33.9216 | 60.3478 | 26.4262 | 21.3038 | 47.75927 | 13.83767 | 24.81233 | 49.36474 | 15.44314 | 23.90686 | 41.74218 | 7.82058 | 21.98942 | 44.35212 | 10.43052 | 55.77948 |
| 4/15/2025 | 12:00:00 AM | 33.91491 | 60.34423 | 26.42932 | 21.30068 | 47.76598 | 13.85107 | 24.79893 | 49.3683 | 15.45339 | 23.89661 | 41.7386 | 7.82369 | 21.98631 | 44.34497 | 10.43006 | 55.77994 |
| 4/15/2025 | 1:00:00 AM | 33.89819 | 60.35137 | 26.45318 | 21.27682 | 47.75927 | 13.86108 | 24.78892 | 49.35761 | 15.45942 | 23.89058 | 41.73144 | 7.83325 | 21.97675 | 44.34854 | 10.45035 | 55.75965 |
| 4/15/2025 | 2:00:00 AM | 33.89819 | 60.34423 | 26.44604 | 21.28396 | 47.76263 | 13.86444 | 24.78556 | 49.36117 | 15.46298 | 23.88702 | 41.73144 | 7.83325 | 21.97675 | 44.34854 | 10.45035 | 55.75965 |
| 4/15/2025 | 3:00:00 AM | 33.88481 | 60.32638 | 26.44157 | 21.28843 | 47.74921 | 13.8644 | 24.7856 | 49.34335 | 15.45854 | 23.89146 | 41.71713 | 7.83232 | 21.97768 | 44.33425 | 10.44944 | 55.76056 |
| 4/15/2025 | 4:00:00 AM | 33.87812 | 60.33709 | 26.45897 | 21.27103 | 47.76263 | 13.88451 | 24.76549 | 49.34691 | 15.46879 | 23.88121 | 41.72071 | 7.84259 | 21.96741 | 44.33425 | 10.45613 | 55.75387 |
| 4/15/2025 | 5:00:00 AM | 33.87812 | 60.33709 | 26.45897 | 21.27103 | 47.76263 | 13.88451 | 24.76549 | 49.34335 | 15.46523 | 23.88477 | 41.71713 | 7.83901 | 21.97099 | 44.34139 | 10.46327 | 55.74673 |
| 4/15/2025 | 6:00:00 AM | 33.84468 | 60.33352 | 26.48884 | 21.24116 | 47.76263 | 13.91795 | 24.73205 | 49.35048 | 15.5058 | 23.8442 | 41.7064 | 7.86172 | 21.94828 | 44.33425 | 10.48957 | 55.72043 |
| 4/15/2025 | 7:00:00 AM | 33.838 | 60.33352 | 26.49552 | 21.23448 | 47.76598 | 13.92798 | 24.72202 | 49.34691 | 15.50891 | 23.84109 | 41.72071 | 7.88271 | 21.92729 | 44.35212 | 10.51412 | 55.69588 |
| 4/15/2025 | 8:00:00 AM | 33.85472 | 60.35494 | 26.50022 | 21.22978 | 47.78946 | 13.93474 | 24.71526 | 49.3683 | 15.51358 | 23.83642 | 41.72429 | 7.86957 | 21.94043 | 44.36998 | 10.51526 | 55.69474 |
| 4/15/2025 | 9:00:00 AM | 33.85472 | 60.34423 | 26.48951 | 21.24049 | 47.78946 | 13.93474 | 24.71526 | 49.36474 | 15.51002 | 23.83998 | 41.71355 | 7.85883 | 21.95117 | 44.36284 | 10.50812 | 55.70188 |
| 4/15/2025 | 10:00:00 AM | 33.86809 | 60.32995 | 26.46186 | 21.26814 | 47.7794 | 13.91131 | 24.73869 | 49.36474 | 15.49665 | 23.85335 | 41.70282 | 7.83473 | 21.97527 | 44.35212 | 10.48403 | 55.72597 |
| 4/15/2025 | 11:00:00 AM | 33.87478 | 60.32995 | 26.45517 | 21.27483 | 47.78275 | 13.90797 | 24.74203 | 49.35048 | 15.4757 | 23.8743 | 41.7064 | 7.83162 | 21.97838 | 44.35212 | 10.47734 | 55.73266 |
| 4/15/2025 | 12:00:00 PM | 33.88147 | 60.31566 | 26.43419 | 21.29581 | 47.76598 | 13.88451 | 24.76549 | 49.33265 | 15.45118 | 23.89882 | 41.69209 | 7.81062 | 21.99938 | 44.3271 | 10.44563 | 55.76437 |
| 4/15/2025 | 1:00:00 PM | 33.89819 | 60.29781 | 26.39962 | 21.33038 | 47.74921 | 13.85102 | 24.79898 | 49.31483 | 15.41664 | 23.93336 | 41.68135 | 7.78316 | 22.02684 | 44.31995 | 10.42176 | 55.78824 |
| 4/15/2025 | 2:00:00 PM | 33.96507 | 60.29424 | 26.32917 | 21.40083 | 47.73915 | 13.77408 | 24.87592 | 49.30413 | 15.33906 | 24.01094 | 41.67778 | 7.71271 | 22.09729 | 44.3128 | 10.34773 | 55.86227 |
| 4/15/2025 | 3:00:00 PM | 33.98179 | 60.28353 | 26.30174 | 21.42826 | 47.73244 | 13.75065 | 24.89935 | 49.29343 | 15.31164 | 24.03836 | 41.68135 | 7.69956 | 22.11044 | 44.30208 | 10.32029 | 55.88971 |
| 4/15/2025 | 4:00:00 PM | 33.95838 | 60.28353 | 26.32515 | 21.40485 | 47.71903 | 13.76065 | 24.88935 | 49.2863 | 15.32792 | 24.02208 | 41.6742 | 7.71582 | 22.09418 | 44.30565 | 10.34727 | 55.86273 |
| 4/15/2025 | 5:00:00 PM | 33.94835 | 60.28353 | 26.33518 | 21.39482 | 47.71567 | 13.76732 | 24.88268 | 49.28274 | 15.33439 | 24.01561 | 41.68135 | 7.733 | 22.077 | 44.30923 | 10.36088 | 55.84912 |
| 4/15/2025 | 6:00:00 PM | 33.95504 | 60.2621 | 26.30706 | 21.42294 | 47.69555 | 13.74051 | 24.90949 | 49.26135 | 15.30631 | 24.04369 | 41.66347 | 7.70843 | 22.10157 | 44.30565 | 10.35061 | 55.85939 |
| 4/15/2025 | 7:00:00 PM | 33.94166 | 60.24068 | 26.29902 | 21.43098 | 47.67543 | 13.73377 | 24.91623 | 49.24352 | 15.30186 | 24.04814 | 41.65631 | 7.71465 | 22.09535 | 44.29136 | 10.3497 | 55.8603 |
| 4/15/2025 | 8:00:00 PM | 33.92828 | 60.25139 | 26.32311 | 21.40689 | 47.66872 | 13.74044 | 24.90956 | 49.23639 | 15.30811 | 24.04189 | 41.65989 | 7.73161 | 22.07839 | 44.29493 | 10.36665 | 55.84335 |
| 4/15/2025 | 9:00:00 PM | 33.91825 | 60.26924 | 26.35099 | 21.37901 | 47.68213 | 13.76388 | 24.88612 | 49.26135 | 15.3431 | 24.0069 | 41.67778 | 7.75953 | 22.05047 | 44.33067 | 10.41242 | 55.79758 |
| 4/15/2025 | 10:00:00 PM | 33.90153 | 60.27281 | 26.37128 | 21.35872 | 47.69555 | 13.79402 | 24.85598 | 49.26491 | 15.36338 | 23.98662 | 41.67062 | 7.76909 | 22.04091 | 44.34139 | 10.43986 | 55.77014 |
| 4/15/2025 | 11:00:00 PM | 33.90153 | 60.27638 | 26.37485 | 21.35515 | 47.68549 | 13.78396 | 24.86604 | 49.26848 | 15.36695 | 23.98305 | 41.66704 | 7.76551 | 22.04449 | 44.33425 | 10.43272 | 55.77728 |
| 4/16/2025 | 12:00:00 AM | 33.8915 | 60.27281 | 26.38131 | 21.34869 | 47.69219 | 13.80069 | 24.84931 | 49.26491 | 15.37341 | 23.97659 | 41.66347 | 7.77197 | 22.03803 | 44.33782 | 10.44632 | 55.76368 |
| 4/16/2025 | 1:00:00 AM | 33.87812 | 60.27638 | 26.39826 | 21.33174 | 47.68884 | 13.81072 | 24.83928 | 49.26135 | 15.38323 | 23.96677 | 41.65631 | 7.77819 | 22.03181 | 44.3271 | 10.44898 | 55.76102 |
| 4/16/2025 | 2:00:00 AM | 33.86475 | 60.26567 | 26.40092 | 21.32908 | 47.68549 | 13.82074 | 24.82926 | 49.26135 | 15.3966 | 23.9534 | 41.64915 | 7.7844 | 22.0256 | 44.3271 | 10.46235 | 55.74765 |
| 4/16/2025 | 3:00:00 AM | 33.85806 | 60.24782 | 26.38976 | 21.34024 | 47.68213 | 13.82407 | 24.82593 | 49.25065 | 15.39259 | 23.95741 | 41.64915 | 7.79109 | 22.01891 | 44.3271 | 10.46904 | 55.74096 |
| 4/16/2025 | 4:00:00 AM | 33.84803 | 60.2621 | 26.41407 | 21.31593 | 47.68213 | 13.8341 | 24.8159 | 49.23282 | 15.38479 | 23.96521 | 41.64915 | 7.80112 | 22.00888 | 44.32352 | 10.47549 | 55.73451 |
| 4/16/2025 | 5:00:00 AM | 33.84134 | 60.2621 | 26.42076 | 21.30924 | 47.68549 | 13.84415 | 24.80585 | 49.23995 | 15.39861 | 23.95139 | 41.642 | 7.80066 | 22.00934 | 44.3271 | 10.48576 | 55.72424 |
| 4/16/2025 | 6:00:00 AM | 33.82796 | 60.26567 | 26.43771 | 21.29229 | 47.68549 | 13.85753 | 24.79247 | 49.24709 | 15.41913 | 23.93087 | 41.642 | 7.81404 | 21.99596 | 44.32352 | 10.49556 | 55.71444 |
| 4/16/2025 | 7:00:00 AM | 33.82796 | 60.27281 | 26.44485 | 21.28515 | 47.6989 | 13.87094 | 24.77906 | 49.25422 | 15.42626 | 23.92374 | 41.64558 | 7.81762 | 21.99238 | 44.33782 | 10.50986 | 55.70014 |
| 4/16/2025 | 8:00:00 AM | 33.82796 | 60.26924 | 26.44128 | 21.28872 | 47.70561 | 13.87765 | 24.77235 | 49.25778 | 15.42982 | 23.92018 | 41.64915 | 7.82119 | 21.98881 | 44.34497 | 10.51701 | 55.69299 |
| 4/16/2025 | 9:00:00 AM | 33.838 | 60.26567 | 26.42767 | 21.30233 | 47.69555 | 13.85755 | 24.79245 | 49.25065 | 15.41265 | 23.93735 | 41.63842 | 7.80042 | 22.00958 | 44.33425 | 10.49625 | 55.71375 |
| 4/16/2025 | 10:00:00 AM | 33.79452 | 60.2621 | 26.46758 | 21.26242 | 47.70226 | 13.90774 | 24.74226 | 49.25422 | 15.4597 | 23.8903 | 41.63842 | 7.8439 | 21.9661 | 44.33782 | 10.5433 | 55.6667 |
| 4/16/2025 | 11:00:00 AM | 33.81459 | 60.2621 | 26.44751 | 21.28249 | 47.70226 | 13.88767 | 24.76233 | 49.25778 | 15.44319 | 23.90681 | 41.63842 | 7.82383 | 21.98617 | 44.33425 | 10.51966 | 55.69034 |
| 4/16/2025 | 12:00:00 PM | 33.82796 | 60.25853 | 26.43057 | 21.29943 | 47.6989 | 13.87094 | 24.77906 | 49.25422 | 15.42626 | 23.92374 | 41.62769 | 7.79973 | 22.01027 | 44.33067 | 10.50271 | 55.70729 |
| 4/16/2025 | 1:00:00 PM | 33.838 | 60.23711 | 26.39911 | 21.33089 | 47.68213 | 13.84413 | 24.80587 | 49.23639 | 15.39839 | 23.95161 | 41.62053 | 7.78253 | 22.02747 | 44.30923 | 10.47123 | 55.73877 |
| 4/16/2025 | 2:00:00 PM | 33.90488 | 60.22639 | 26.32151 | 21.40849 | 47.67207 | 13.76719 | 24.88281 | 49.21143 | 15.30655 | 24.04345 | 41.61695 | 7.71207 | 22.09793 | 44.30208 | 10.3972 | 55.8128 |
| 4/16/2025 | 3:00:00 PM | 33.91825 | 60.21925 | 26.301 | 21.429 | 47.65195 | 13.7337 | 24.9163 | 49.19717 | 15.27892 | 24.07108 | 41.60264 | 7.68439 | 22.12561 | 44.28778 | 10.36953 | 55.84047 |
| 4/16/2025 | 4:00:00 PM | 33.90488 | 60.22639 | 26.32151 | 21.40849 | 47.65195 | 13.74707 | 24.90293 | 49.19717 | 15.29229 | 24.05771 | 41.61695 | 7.71207 | 22.09793 | 44.29493 | 10.39005 | 55.81995 |
| 4/16/2025 | 5:00:00 PM | 33.89819 | 60.22639 | 26.3282 | 21.4018 | 47.64859 | 13.7504 | 24.8996 | 49.19004 | 15.29185 | 24.05815 | 41.61338 | 7.71519 | 22.09481 | 44.30565 | 10.40746 | 55.80254 |
| 4/16/2025 | 6:00:00 PM | 33.8915 | 60.22639 | 26.33489 | 21.39511 | 47.66201 | 13.77051 | 24.87949 | 49.19004 | 15.29854 | 24.05146 | 41.62053 | 7.72903 | 22.08097 | 44.31638 | 10.42488 | 55.78512 |
| 4/16/2025 | 7:00:00 PM | 33.89819 | 60.24425 | 26.34606 | 21.38394 | 47.66201 | 13.76382 | 24.88618 | 49.2043 | 15.30611 | 24.04389 | 41.62053 | 7.72234 | 22.08766 | 44.33067 | 10.43248 | 55.77752 |
| 4/16/2025 | 8:00:00 PM | 33.88481 | 60.25496 | 26.37015 | 21.35985 | 47.67543 | 13.79062 | 24.85938 | 49.22569 | 15.34088 | 24.00912 | 41.62053 | 7.73572 | 22.07428 | 44.34139 | 10.45658 | 55.75342 |
| 4/16/2025 | 9:00:00 PM | 33.88481 | 60.27281 | 26.388 | 21.342 | 47.69555 | 13.81074 | 24.83926 | 49.23995 | 15.35514 | 23.99486 | 41.63842 | 7.75361 | 22.05639 | 44.35926 | 10.47445 | 55.73555 |
| 4/16/2025 | 10:00:00 PM | 33.87812 | 60.27638 | 26.39826 | 21.33174 | 47.71232 | 13.8342 | 24.8158 | 49.25422 | 15.3761 | 23.9739 | 41.63842 | 7.7603 | 22.0497 | 44.36284 | 10.48472 | 55.72528 |
| 4/16/2025 | 11:00:00 PM | 33.87144 | 60.29067 | 26.41923 | 21.31077 | 47.72909 | 13.85765 | 24.79235 | 49.27204 | 15.4006 | 23.9494 | 41.63842 | 7.76698 | 22.04302 | 44.37356 | 10.50212 | 55.70788 |
| 4/17/2025 | 12:00:00 AM | 33.8614 | 60.28353 | 26.42213 | 21.30787 | 47.72238 | 13.86098 | 24.78902 | 49.26491 | 15.40351 | 23.94649 | 41.62411 | 7.76271 | 22.04729 | 44.36998 | 10.50858 | 55.70142 |
| 4/17/2025 | 1:00:00 AM | 33.85137 | 60.29067 | 26.4393 | 21.2907 | 47.73244 | 13.88107 | 24.76893 | 49.26848 | 15.41711 | 23.93289 | 41.63484 | 7.78347 | 22.02653 | 44.36641 | 10.51504 | 55.69496 |
| 4/17/2025 | 2:00:00 AM | 33.84803 | 60.30495 | 26.45692 | 21.27308 | 47.74586 | 13.89783 | 24.75217 | 49.27917 | 15.43114 | 23.91886 | 41.63127 | 7.78324 | 22.02676 | 44.37356 | 10.52553 | 55.68447 |
| 4/17/2025 | 3:00:00 AM | 33.84134 | 60.30852 | 26.46718 | 21.26282 | 47.75592 | 13.91458 | 24.73542 | 49.28987 | 15.44853 | 23.90147 | 41.642 | 7.80066 | 22.00934 | 44.37713 | 10.53579 | 55.67421 |
| 4/17/2025 | 4:00:00 AM | 33.84134 | 60.31209 | 26.47075 | 21.25925 | 47.77269 | 13.93135 | 24.71865 | 49.29343 | 15.45209 | 23.89791 | 41.64915 | 7.80781 | 22.00219 | 44.38071 | 10.53937 | 55.67063 |
| 4/17/2025 | 5:00:00 AM | 33.84134 | 60.31924 | 26.4779 | 21.2521 | 47.77269 | 13.93135 | 24.71865 | 49.297 | 15.45566 | 23.89434 | 41.63842 | 7.79708 | 22.01292 | 44.37356 | 10.53222 | 55.67778 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/17/2025 | 6:00:00 AM | 33.83131 | 60.32281 | 26.4915 | 21.2385 | 47.77604 | 13.94473 | 24.70527 | 49.30056 | 15.46925 | 23.88075 | 41.642 | 7.81069 | 21.99931 | 44.36641 | 10.5351 | 55.6749 |
| 4/17/2025 | 7:00:00 AM | 33.83131 | 60.32281 | 26.4915 | 21.2385 | 47.7861 | 13.95479 | 24.69521 | 49.30413 | 15.47282 | 23.87718 | 41.63842 | 7.80711 | 22.00289 | 44.36998 | 10.53867 | 55.67133 |
| 4/17/2025 | 8:00:00 AM | 33.83131 | 60.32995 | 26.49864 | 21.23136 | 47.79617 | 13.96486 | 24.68514 | 49.30769 | 15.47638 | 23.87362 | 41.64915 | 7.81784 | 21.99216 | 44.37356 | 10.54225 | 55.66775 |
| 4/17/2025 | 9:00:00 AM | 33.84134 | 60.32281 | 26.48147 | 21.24853 | 47.80287 | 13.96153 | 24.68847 | 49.30769 | 15.46635 | 23.88365 | 41.63842 | 7.79708 | 22.01292 | 44.36284 | 10.5215 | 55.6885 |
| 4/17/2025 | 10:00:00 AM | 33.84803 | 60.32638 | 26.47835 | 21.25165 | 47.7794 | 13.93137 | 24.71863 | 49.29343 | 15.4454 | 23.9046 | 41.63484 | 7.78681 | 22.02319 | 44.35926 | 10.51123 | 55.69877 |
| 4/17/2025 | 11:00:00 AM | 33.85806 | 60.32281 | 26.46475 | 21.26525 | 47.7861 | 13.92804 | 24.72196 | 49.297 | 15.43894 | 23.91106 | 41.63842 | 7.78036 | 22.02964 | 44.35212 | 10.49406 | 55.71594 |
| 4/17/2025 | 12:00:00 PM | 33.86809 | 60.30495 | 26.43686 | 21.29314 | 47.76933 | 13.90124 | 24.74876 | 49.27917 | 15.41108 | 23.93892 | 41.62411 | 7.75602 | 22.05398 | 44.34497 | 10.47688 | 55.73312 |
| 4/17/2025 | 1:00:00 PM | 33.87812 | 60.28353 | 26.40541 | 21.32459 | 47.74921 | 13.87109 | 24.77891 | 49.25778 | 15.37966 | 23.97034 | 41.61695 | 7.73883 | 22.07117 | 44.31638 | 10.43826 | 55.77174 |
| 4/17/2025 | 2:00:00 PM | 33.945 | 60.28353 | 26.33853 | 21.39147 | 47.73915 | 13.79415 | 24.85585 | 49.23995 | 15.29495 | 24.05505 | 41.62053 | 7.67553 | 22.13447 | 44.30565 | 10.36065 | 55.84935 |
| 4/17/2025 | 3:00:00 PM | 33.96841 | 60.27996 | 26.31155 | 21.41845 | 47.72573 | 13.75732 | 24.89268 | 49.23995 | 15.27154 | 24.07846 | 41.62053 | 7.65212 | 22.15788 | 44.31638 | 10.34797 | 55.86203 |
| 4/17/2025 | 4:00:00 PM | 33.945 | 60.26924 | 26.32424 | 21.40576 | 47.70896 | 13.76396 | 24.88604 | 49.22213 | 15.27713 | 24.07287 | 41.62053 | 7.67553 | 22.13447 | 44.30565 | 10.36065 | 55.84935 |
| 4/17/2025 | 5:00:00 PM | 33.93497 | 60.25853 | 26.32356 | 21.40644 | 47.70226 | 13.76729 | 24.88271 | 49.21143 | 15.27646 | 24.07354 | 41.6098 | 7.67483 | 22.13517 | 44.29851 | 10.36354 | 55.84646 |
| 4/17/2025 | 6:00:00 PM | 33.8915 | 60.2621 | 26.3706 | 21.3594 | 47.69219 | 13.80069 | 24.84931 | 49.21143 | 15.31993 | 24.03007 | 41.61338 | 7.72188 | 22.08812 | 44.30923 | 10.41773 | 55.79227 |
| 4/17/2025 | 7:00:00 PM | 33.88481 | 60.26567 | 26.38086 | 21.34914 | 47.67878 | 13.79397 | 24.85603 | 49.19717 | 15.31236 | 24.03764 | 41.6098 | 7.72499 | 22.08501 | 44.3128 | 10.42799 | 55.78201 |
| 4/17/2025 | 8:00:00 PM | 33.8614 | 60.26924 | 26.40784 | 21.32216 | 47.67543 | 13.81403 | 24.83597 | 49.2043 | 15.3429 | 24.0071 | 41.61695 | 7.75555 | 22.05445 | 44.3128 | 10.4514 | 55.7586 |
| 4/17/2025 | 9:00:00 PM | 33.85472 | 60.27281 | 26.41809 | 21.31191 | 47.68884 | 13.83412 | 24.81588 | 49.20787 | 15.35315 | 23.99685 | 41.62769 | 7.77297 | 22.03703 | 44.33425 | 10.47953 | 55.73047 |
| 4/17/2025 | 10:00:00 PM | 33.85137 | 60.27996 | 26.42859 | 21.30141 | 47.6989 | 13.84753 | 24.80247 | 49.21143 | 15.36006 | 23.98994 | 41.62053 | 7.76916 | 22.04084 | 44.34139 | 10.49002 | 55.71998 |
| 4/17/2025 | 11:00:00 PM | 33.84468 | 60.27996 | 26.43528 | 21.29472 | 47.70226 | 13.85758 | 24.79242 | 49.22569 | 15.38101 | 23.96899 | 41.62769 | 7.78301 | 22.02699 | 44.34854 | 10.50386 | 55.70614 |
| 4/18/2025 | 12:00:00 AM | 33.83465 | 60.28353 | 26.44888 | 21.28112 | 47.70226 | 13.86761 | 24.78239 | 49.21856 | 15.38391 | 23.96609 | 41.62053 | 7.78588 | 22.02412 | 44.35212 | 10.51747 | 55.69253 |
| 4/18/2025 | 1:00:00 AM | 33.82796 | 60.2871 | 26.45914 | 21.27086 | 47.71567 | 13.88771 | 24.76229 | 49.22926 | 15.4013 | 23.9487 | 41.62053 | 7.79257 | 22.01743 | 44.35569 | 10.52773 | 55.68227 |
| 4/18/2025 | 2:00:00 AM | 33.82796 | 60.29781 | 26.46985 | 21.26015 | 47.71903 | 13.89107 | 24.75893 | 49.23282 | 15.40486 | 23.94514 | 41.62053 | 7.79257 | 22.01743 | 44.35569 | 10.52773 | 55.68227 |
| 4/18/2025 | 3:00:00 AM | 33.81459 | 60.29067 | 26.47608 | 21.25392 | 47.71903 | 13.90444 | 24.74556 | 49.23282 | 15.41823 | 23.93177 | 41.62411 | 7.80952 | 22.00048 | 44.35569 | 10.5411 | 55.6689 |
| 4/18/2025 | 4:00:00 AM | 33.8079 | 60.29424 | 26.48634 | 21.24366 | 47.71903 | 13.91113 | 24.73887 | 49.23639 | 15.42849 | 23.92151 | 41.62053 | 7.81263 | 21.99737 | 44.35569 | 10.54779 | 55.66221 |
| 4/18/2025 | 5:00:00 AM | 33.8079 | 60.30495 | 26.49705 | 21.23295 | 47.72909 | 13.92119 | 24.72881 | 49.23995 | 15.43205 | 23.91795 | 41.63127 | 7.82337 | 21.98663 | 44.35569 | 10.54779 | 55.66221 |
| 4/18/2025 | 6:00:00 AM | 33.79452 | 60.29781 | 26.50329 | 21.22671 | 47.72909 | 13.93457 | 24.71543 | 49.22926 | 15.43474 | 23.91526 | 41.61695 | 7.82243 | 21.98757 | 44.34497 | 10.55045 | 55.65955 |
| 4/18/2025 | 7:00:00 AM | 33.80121 | 60.30852 | 26.50731 | 21.22269 | 47.73915 | 13.93794 | 24.71206 | 49.23995 | 15.43874 | 23.91126 | 41.62769 | 7.82648 | 21.98352 | 44.36284 | 10.56163 | 55.64837 |
| 4/18/2025 | 8:00:00 AM | 33.8079 | 60.31566 | 26.50776 | 21.22224 | 47.74921 | 13.94131 | 24.70869 | 49.25422 | 15.44632 | 23.90368 | 41.63127 | 7.82337 | 21.98663 | 44.37356 | 10.56566 | 55.64434 |
| 4/18/2025 | 9:00:00 AM | 33.81124 | 60.31566 | 26.50442 | 21.22558 | 47.74586 | 13.93462 | 24.71538 | 49.24709 | 15.43585 | 23.91415 | 41.62769 | 7.81645 | 21.99355 | 44.36641 | 10.55517 | 55.65483 |
| 4/18/2025 | 10:00:00 AM | 33.81459 | 60.30138 | 26.48679 | 21.24321 | 47.73244 | 13.91785 | 24.73215 | 49.22926 | 15.41467 | 23.93533 | 41.62053 | 7.80594 | 22.00406 | 44.34139 | 10.5268 | 55.6832 |
| 4/18/2025 | 11:00:00 AM | 33.82128 | 60.29424 | 26.47296 | 21.25704 | 47.72238 | 13.9011 | 24.7489 | 49.215 | 15.39372 | 23.95628 | 41.60622 | 7.78494 | 22.02506 | 44.33067 | 10.50939 | 55.70061 |
| 4/18/2025 | 12:00:00 PM | 33.84803 | 60.27996 | 26.43193 | 21.29807 | 47.71567 | 13.86764 | 24.78236 | 49.21143 | 15.3634 | 23.9866 | 41.6098 | 7.76177 | 22.04823 | 44.33067 | 10.48264 | 55.72736 |
| 4/18/2025 | 1:00:00 PM | 33.85806 | 60.26924 | 26.41118 | 21.31882 | 47.70226 | 13.8442 | 24.8058 | 49.19361 | 15.33555 | 24.01445 | 41.60622 | 7.74816 | 22.06184 | 44.31995 | 10.46189 | 55.74811 |
| 4/18/2025 | 2:00:00 PM | 33.92828 | 60.25853 | 26.33025 | 21.39975 | 47.68884 | 13.76056 | 24.88944 | 49.18291 | 15.25463 | 24.09537 | 41.60264 | 7.67436 | 22.13564 | 44.31638 | 10.3881 | 55.8219 |
| 4/18/2025 | 3:00:00 PM | 33.93832 | 60.24068 | 26.30236 | 21.42764 | 47.65866 | 13.72034 | 24.92966 | 49.16508 | 15.22676 | 24.12324 | 41.59549 | 7.65717 | 22.15283 | 44.29851 | 10.36019 | 55.84981 |
| 4/18/2025 | 4:00:00 PM | 33.9216 | 60.22639 | 26.30479 | 21.42521 | 47.64859 | 13.72699 | 24.92301 | 49.13656 | 15.21496 | 24.13504 | 41.58833 | 7.66673 | 22.14327 | 44.29493 | 10.37333 | 55.83667 |
| 4/18/2025 | 5:00:00 PM | 33.91491 | 60.22996 | 26.31505 | 21.41495 | 47.63518 | 13.72027 | 24.92973 | 49.133 | 15.21809 | 24.13191 | 41.58833 | 7.67342 | 22.13658 | 44.29493 | 10.38002 | 55.82998 |
| 4/18/2025 | 6:00:00 PM | 33.90488 | 60.21211 | 26.30723 | 21.42277 | 47.6117 | 13.70682 | 24.94318 | 49.12587 | 15.22099 | 24.12901 | 41.58475 | 7.67987 | 22.13013 | 44.29136 | 10.38648 | 55.82352 |
| 4/18/2025 | 7:00:00 PM | 33.89819 | 60.20497 | 26.30678 | 21.42322 | 47.59829 | 13.7001 | 24.9499 | 49.10091 | 15.20272 | 24.14728 | 41.58475 | 7.68656 | 22.12344 | 44.29136 | 10.39317 | 55.81683 |
| 4/18/2025 | 8:00:00 PM | 33.87812 | 60.20854 | 26.33042 | 21.39958 | 47.59493 | 13.71681 | 24.93319 | 49.10804 | 15.22992 | 24.12008 | 41.58475 | 7.70663 | 22.10337 | 44.29136 | 10.41324 | 55.79676 |
| 4/18/2025 | 9:00:00 PM | 33.87812 | 60.23353 | 26.35541 | 21.37459 | 47.61506 | 13.73694 | 24.91306 | 49.12587 | 15.24775 | 24.10225 | 41.59907 | 7.72095 | 22.08905 | 44.32352 | 10.4454 | 55.7646 |
| 4/18/2025 | 10:00:00 PM | 33.88147 | 60.24068 | 26.35921 | 21.37079 | 47.62847 | 13.747 | 24.903 | 49.133 | 15.25153 | 24.09847 | 41.60622 | 7.72475 | 22.08525 | 44.34139 | 10.45992 | 55.75008 |
| 4/18/2025 | 11:00:00 PM | 33.86809 | 60.22639 | 26.3583 | 21.3717 | 47.62176 | 13.75367 | 24.89633 | 49.1223 | 15.25421 | 24.09579 | 41.59191 | 7.72382 | 22.08618 | 44.33067 | 10.46258 | 55.74742 |
| 4/19/2025 | 12:00:00 AM | 33.86475 | 60.24425 | 26.3795 | 21.3505 | 47.63182 | 13.76707 | 24.88293 | 49.14013 | 15.27538 | 24.07462 | 41.58833 | 7.72358 | 22.08642 | 44.34497 | 10.48022 | 55.72978 |
| 4/19/2025 | 1:00:00 AM | 33.8614 | 60.24068 | 26.37928 | 21.35072 | 47.63182 | 13.77042 | 24.87958 | 49.14013 | 15.27873 | 24.07127 | 41.58475 | 7.72335 | 22.08665 | 44.33782 | 10.47642 | 55.73358 |
| 4/19/2025 | 2:00:00 AM | 33.85806 | 60.24782 | 26.38976 | 21.34024 | 47.64524 | 13.78718 | 24.86282 | 49.14013 | 15.28207 | 24.06793 | 41.58475 | 7.72669 | 22.08331 | 44.34139 | 10.48333 | 55.72667 |
| 4/19/2025 | 3:00:00 AM | 33.8614 | 60.2621 | 26.4007 | 21.3293 | 47.65866 | 13.79726 | 24.85274 | 49.16508 | 15.30368 | 24.04632 | 41.59907 | 7.73767 | 22.07233 | 44.35926 | 10.49786 | 55.71214 |
| 4/19/2025 | 4:00:00 AM | 33.86475 | 60.2621 | 26.39735 | 21.33265 | 47.66536 | 13.80061 | 24.84939 | 49.17578 | 15.31103 | 24.03897 | 41.59549 | 7.73074 | 22.07926 | 44.36641 | 10.50166 | 55.70834 |
| 4/19/2025 | 5:00:00 AM | 33.86475 | 60.27281 | 26.40806 | 21.32194 | 47.68213 | 13.81738 | 24.83262 | 49.17221 | 15.30746 | 24.04254 | 41.59907 | 7.73432 | 22.07568 | 44.36641 | 10.50166 | 55.70834 |
| 4/19/2025 | 6:00:00 AM | 33.86809 | 60.28353 | 26.41544 | 21.31456 | 47.69555 | 13.82746 | 24.82254 | 49.19004 | 15.32195 | 24.02805 | 41.6098 | 7.74171 | 22.06829 | 44.37713 | 10.50904 | 55.70096 |
| 4/19/2025 | 7:00:00 AM | 33.86809 | 60.29781 | 26.42972 | 21.30028 | 47.70896 | 13.84087 | 24.80913 | 49.19361 | 15.32552 | 24.02448 | 41.60264 | 7.73455 | 22.07545 | 44.37713 | 10.50904 | 55.70096 |
| 4/19/2025 | 8:00:00 AM | 33.88147 | 60.30495 | 26.42348 | 21.30652 | 47.71903 | 13.83756 | 24.81244 | 49.20787 | 15.3264 | 24.0236 | 41.61338 | 7.73191 | 22.07809 | 44.38785 | 10.50638 | 55.70362 |
| 4/19/2025 | 9:00:00 AM | 33.88481 | 60.31209 | 26.42728 | 21.30272 | 47.74586 | 13.86105 | 24.78895 | 49.21856 | 15.33375 | 24.01625 | 41.61695 | 7.73214 | 22.07786 | 44.395 | 10.51019 | 55.69981 |
| 4/19/2025 | 10:00:00 AM | 33.89819 | 60.31924 | 26.42105 | 21.30895 | 47.75592 | 13.85773 | 24.79227 | 49.23282 | 15.33463 | 24.01537 | 41.61695 | 7.71876 | 22.09124 | 44.395 | 10.49681 | 55.71319 |
| 4/19/2025 | 11:00:00 AM | 33.90822 | 60.31566 | 26.40744 | 21.32256 | 47.75592 | 13.8477 | 24.8023 | 49.23639 | 15.32817 | 24.02183 | 41.6098 | 7.70158 | 22.10842 | 44.40215 | 10.49393 | 55.71607 |
| 4/19/2025 | 12:00:00 PM | 33.91491 | 60.33352 | 26.41861 | 21.31139 | 47.76933 | 13.85442 | 24.79558 | 49.24352 | 15.32861 | 24.02139 | 41.62411 | 7.7092 | 22.1008 | 44.39858 | 10.48367 | 55.72633 |
| 4/19/2025 | 1:00:00 PM | 33.93163 | 60.32638 | 26.39475 | 21.33525 | 47.77269 | 13.84106 | 24.80894 | 49.24352 | 15.31189 | 24.03811 | 41.61338 | 7.68175 | 22.12825 | 44.39143 | 10.4598 | 55.7502 |
| 4/19/2025 | 2:00:00 PM | 33.99516 | 60.32995 | 26.33479 | 21.39521 | 47.77604 | 13.78088 | 24.86912 | 49.25422 | 15.25906 | 24.09094 | 41.62411 | 7.62895 | 22.18105 | 44.39143 | 10.39627 | 55.81373 |
| 4/19/2025 | 3:00:00 PM | 34.00185 | 60.32638 | 26.32453 | 21.40547 | 47.76598 | 13.76413 | 24.88587 | 49.23995 | 15.2381 | 24.1119 | 41.61695 | 7.6151 | 22.1949 | 44.38071 | 10.37886 | 55.83114 |
| 4/19/2025 | 4:00:00 PM | 33.9751 | 60.31209 | 26.33699 | 21.39301 | 47.74921 | 13.77411 | 24.87589 | 49.21856 | 15.24346 | 24.10654 | 41.61338 | 7.63828 | 22.17172 | 44.36284 | 10.38774 | 55.82226 |
| 4/19/2025 | 5:00:00 PM | 33.96172 | 60.29781 | 26.33609 | 21.39391 | 47.72909 | 13.76737 | 24.88263 | 49.21143 | 15.24971 | 24.10029 | 41.6098 | 7.64808 | 22.16192 | 44.35569 | 10.39397 | 55.81603 |
| 4/19/2025 | 6:00:00 PM | 33.95504 | 60.30495 | 26.34991 | 21.38009 | 47.72909 | 13.77405 | 24.87595 | 49.21143 | 15.25639 | 24.09361 | 41.61338 | 7.65834 | 22.15166 | 44.36284 | 10.4078 | 55.8022 |
| 4/19/2025 | 7:00:00 PM | 33.95169 | 60.31566 | 26.36397 | 21.36603 | 47.73915 | 13.78746 | 24.86254 | 49.215 | 15.26331 | 24.08669 | 41.62411 | 7.67242 | 22.13758 | 44.36641 | 10.41472 | 55.79528 |
| 4/19/2025 | 8:00:00 PM | 33.93832 | 60.32638 | 26.38806 | 21.34194 | 47.75256 | 13.81424 | 24.83576 | 49.23282 | 15.2945 | 24.0555 | 41.63127 | 7.69295 | 22.11705 | 44.37356 | 10.43524 | 55.77476 |
| 4/19/2025 | 9:00:00 PM | 33.94166 | 60.35137 | 26.40971 | 21.32029 | 47.76933 | 13.82767 | 24.82233 | 49.24352 | 15.30186 | 24.04814 | 41.64915 | 7.70749 | 22.10251 | 44.40215 | 10.46049 | 55.74951 |
| 4/19/2025 | 10:00:00 PM | 33.94835 | 60.36209 | 26.41374 | 21.31626 | 47.78275 | 13.8344 | 24.8156 | 49.26135 | 15.313 | 24.037 | 41.64915 | 7.7008 | 22.1092 | 44.4093 | 10.46095 | 55.74905 |
| 4/19/2025 | 11:00:00 PM | 33.93832 | 60.36209 | 26.42377 | 21.30623 | 47.7861 | 13.84778 | 24.80222 | 49.26491 | 15.32659 | 24.02341 | 41.64558 | 7.70726 | 22.10274 | 44.40572 | 10.4674 | 55.7426 |
| 4/20/2025 | 12:00:00 AM | 33.94166 | 60.36209 | 26.42043 | 21.30957 | 47.79617 | 13.85451 | 24.79549 | 49.26848 | 15.32682 | 24.02318 | 41.64915 | 7.70749 | 22.10251 | 44.4093 | 10.46764 | 55.74236 |
| 4/20/2025 | 1:00:00 AM | 33.93832 | 60.36923 | 26.43091 | 21.29909 | 47.80287 | 13.86455 | 24.78545 | 49.27561 | 15.33729 | 24.01271 | 41.65631 | 7.71799 | 22.09201 | 44.40572 | 10.4674 | 55.7426 |
| 4/20/2025 | 2:00:00 AM | 33.92828 | 60.3728 | 26.44452 | 21.28548 | 47.80287 | 13.87459 | 24.77541 | 49.26848 | 15.3402 | 24.0098 | 41.65273 | 7.72445 | 22.08555 | 44.39858 | 10.4703 | 55.7397 |
| 4/20/2025 | 3:00:00 AM | 33.92494 | 60.35851 | 26.43357 | 21.29643 | 47.79281 | 13.86787 | 24.78213 | 49.26135 | 15.33641 | 24.01359 | 41.63842 | 7.71348 | 22.09652 | 44.39143 | 10.46649 | 55.74351 |
| 4/20/2025 | 4:00:00 AM | 33.9216 | 60.36566 | 26.44406 | 21.28594 | 47.78946 | 13.86786 | 24.78214 | 49.25778 | 15.33618 | 24.01382 | 41.64558 | 7.72398 | 22.08602 | 44.38785 | 10.46625 | 55.74375 |
| 4/20/2025 | 5:00:00 AM | 33.91491 | 60.35851 | 26.4436 | 21.2864 | 47.79617 | 13.88126 | 24.76874 | 49.25422 | 15.33931 | 24.01069 | 41.64915 | 7.73424 | 22.07576 | 44.38428 | 10.46937 | 55.74063 |
| 4/20/2025 | 6:00:00 AM | 33.91156 | 60.35851 | 26.44695 | 21.28305 | 47.79617 | 13.88461 | 24.76539 | 49.25778 | 15.34622 | 24.00378 | 41.65273 | 7.74117 | 22.06883 | 44.38785 | 10.47629 | 55.73371 |
| 4/20/2025 | 7:00:00 AM | 33.91156 | 60.36209 | 26.45053 | 21.27947 | 47.78946 | 13.8779 | 24.7721 | 49.25065 | 15.33909 | 24.01091 | 41.65273 | 7.74117 | 22.06883 | 44.38785 | 10.47629 | 55.73371 |
| 4/20/2025 | 8:00:00 AM | 33.90822 | 60.36923 | 26.46101 | 21.26899 | 47.79281 | 13.88459 | 24.76541 | 49.25778 | 15.34956 | 24.00044 | 41.65273 | 7.74451 | 22.06549 | 44.38071 | 10.47249 | 55.73751 |
| 4/20/2025 | 9:00:00 AM | 33.91491 | 60.36209 | 26.44718 | 21.28282 | 47.79952 | 13.88461 | 24.76539 | 49.24709 | 15.33218 | 24.01782 | 41.65631 | 7.7414 | 22.0686 | 44.39143 | 10.47652 | 55.73348 |
| 4/20/2025 | 10:00:00 AM | 33.91491 | 60.36209 | 26.44718 | 21.28282 | 47.78946 | 13.87455 | 24.77545 | 49.24352 | 15.32861 | 24.02139 | 41.65631 | 7.7414 | 22.0686 | 44.39143 | 10.47652 | 55.73348 |
| 4/20/2025 | 11:00:00 AM | 33.9216 | 60.3728 | 26.4512 | 21.2788 | 47.80623 | 13.88463 | 24.76537 | 49.25422 | 15.33262 | 24.01738 | 41.6742 | 7.7526 | 22.0574 | 44.39858 | 10.47698 | 55.73302 |
| 4/20/2025 | 12:00:00 PM | 33.90153 | 60.36923 | 26.4677 | 21.2623 | 47.80287 | 13.90134 | 24.74866 | 49.24709 | 15.34556 | 24.00444 | 41.65631 | 7.75478 | 22.05522 | 44.38785 | 10.48632 | 55.72368 |
| 4/20/2025 | 1:00:00 PM | 33.89819 | 60.34423 | 26.44604 | 21.28396 | 47.78275 | 13.88456 | 24.76544 | 49.22569 | 15.3275 | 24.0225 | 41.65273 | 7.75454 | 22.05546 | 44.37713 | 10.47894 | 55.73106 |
| 4/20/2025 | 2:00:00 PM | 33.91491 | 60.33709 | 26.42218 | 21.30782 | 47.77269 | 13.85778 | 24.79222 | 49.21856 | 15.30365 | 24.04635 | 41.64558 | 7.73067 | 22.07933 | 44.36641 | 10.4515 | 55.7585 |
| 4/20/2025 | 3:00:00 PM | 33.91156 | 60.33352 | 26.42196 | 21.30804 | 47.76263 | 13.85107 | 24.79893 | 49.2043 | 15.29274 | 24.05726 | 41.64915 | 7.73759 | 22.07241 | 44.36284 | 10.45128 | 55.75872 |
| 4/20/2025 | 4:00:00 PM | 33.89819 | 60.32638 | 26.42819 | 21.30181 | 47.74586 | 13.84767 | 24.80233 | 49.19004 | 15.29185 | 24.05815 | 41.63127 | 7.73308 | 22.07692 | 44.35212 | 10.45393 | 55.75607 |
| 4/20/2025 | 5:00:00 PM | 33.8915 | 60.32281 | 26.43131 | 21.29869 | 47.73915 | 13.84765 | 24.80235 | 49.18648 | 15.29498 | 24.05502 | 41.63842 | 7.74692 | 22.06308 | 44.34854 | 10.45704 | 55.75296 |
| 4/20/2025 | 6:00:00 PM | 33.8915 | 60.32638 | 26.43488 | 21.29512 | 47.7425 | 13.851 | 24.799 | 49.18648 | 15.29498 | 24.05502 | 41.64915 | 7.75765 | 22.05235 | 44.36284 | 10.47134 | 55.73866 |
| 4/20/2025 | 7:00:00 PM | 33.88147 | 60.31566 | 26.43419 | 21.29581 | 47.72909 | 13.84762 | 24.80238 | 49.16508 | 15.28361 | 24.06639 | 41.63127 | 7.7498 | 22.0602 | 44.35212 | 10.47065 | 55.73935 |
| 4/20/2025 | 8:00:00 PM | 33.86475 | 60.30495 | 26.4402 | 21.2898 | 47.72573 | 13.86098 | 24.78902 | 49.16508 | 15.30033 | 24.04967 | 41.63842 | 7.77367 | 22.03633 | 44.36284 | 10.49809 | 55.71191 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/20/2025 | 9:00:00 PM | 33.87144 | 60.32995 | 26.45851 | 21.27149 | 47.74586 | 13.87442 | 24.77558 | 49.18648 | 15.31504 | 24.03496 | 41.65273 | 7.78129 | 22.02871 | 44.38071 | 10.50927 | 55.70073 |
| 4/20/2025 | 10:00:00 PM | 33.87144 | 60.33709 | 26.46565 | 21.26435 | 47.76598 | 13.89454 | 24.75546 | 49.20074 | 15.3293 | 24.0207 | 41.65989 | 7.78845 | 22.02155 | 44.40215 | 10.53071 | 55.67929 |
| 4/20/2025 | 11:00:00 PM | 33.85806 | 60.3478 | 26.48974 | 21.24026 | 47.77269 | 13.91463 | 24.73537 | 49.20787 | 15.34981 | 24.00019 | 41.65631 | 7.79825 | 22.01175 | 44.40215 | 10.54409 | 55.66591 |
| 4/21/2025 | 12:00:00 AM | 33.85137 | 60.3478 | 26.49643 | 21.23357 | 47.76598 | 13.91461 | 24.73539 | 49.20787 | 15.3565 | 23.9935 | 41.65273 | 7.80136 | 22.00864 | 44.40572 | 10.55435 | 55.65565 |
| 4/21/2025 | 1:00:00 AM | 33.84468 | 60.35851 | 26.51383 | 21.21617 | 47.7794 | 13.93472 | 24.71528 | 49.215 | 15.37032 | 23.97968 | 41.65989 | 7.81521 | 21.99479 | 44.41287 | 10.56819 | 55.64181 |
| 4/21/2025 | 2:00:00 AM | 33.84134 | 60.35494 | 26.5136 | 21.2164 | 47.7794 | 13.93806 | 24.71194 | 49.21856 | 15.37722 | 23.97278 | 41.64558 | 7.80424 | 22.00576 | 44.4093 | 10.56796 | 55.64204 |
| 4/21/2025 | 3:00:00 AM | 33.838 | 60.34423 | 26.50623 | 21.22377 | 47.78275 | 13.94475 | 24.70525 | 49.21143 | 15.37343 | 23.97657 | 41.64558 | 7.80758 | 22.00242 | 44.4093 | 10.5713 | 55.6387 |
| 4/21/2025 | 4:00:00 AM | 33.84468 | 60.35494 | 26.51026 | 21.21974 | 47.78946 | 13.94478 | 24.70522 | 49.21143 | 15.36675 | 23.98325 | 41.65273 | 7.80805 | 22.00195 | 44.4093 | 10.56462 | 55.64538 |
| 4/21/2025 | 5:00:00 AM | 33.81459 | 60.35494 | 26.54035 | 21.18965 | 47.79952 | 13.98493 | 24.66507 | 49.22213 | 15.40754 | 23.94246 | 41.65631 | 7.84172 | 21.96828 | 44.41287 | 10.59828 | 55.61172 |
| 4/21/2025 | 6:00:00 AM | 33.81793 | 60.36209 | 26.54416 | 21.18584 | 47.80958 | 13.99165 | 24.65835 | 49.22926 | 15.41133 | 23.93867 | 41.65989 | 7.84196 | 21.96804 | 44.41287 | 10.59494 | 55.61506 |
| 4/21/2025 | 7:00:00 AM | 33.82796 | 60.37637 | 26.54841 | 21.18159 | 47.823 | 13.99504 | 24.65496 | 49.24352 | 15.41556 | 23.93444 | 41.66347 | 7.83551 | 21.97449 | 44.43431 | 10.60635 | 55.60365 |
| 4/21/2025 | 8:00:00 AM | 33.838 | 60.38351 | 26.54551 | 21.18449 | 47.84312 | 14.00512 | 24.64488 | 49.26491 | 15.42691 | 23.92309 | 41.66347 | 7.82547 | 21.98453 | 44.44504 | 10.60704 | 55.60296 |
| 4/21/2025 | 9:00:00 AM | 33.84134 | 60.39422 | 26.55288 | 21.17712 | 47.84647 | 14.00513 | 24.64487 | 49.26848 | 15.42714 | 23.92286 | 41.66704 | 7.8257 | 21.9843 | 44.44504 | 10.6037 | 55.6063 |
| 4/21/2025 | 10:00:00 AM | 33.85137 | 60.40137 | 26.55 | 21.18 | 47.85989 | 14.00852 | 24.64148 | 49.27917 | 15.4278 | 23.9222 | 41.67062 | 7.81925 | 21.99075 | 44.45218 | 10.60081 | 55.60919 |
| 4/21/2025 | 11:00:00 AM | 33.86475 | 60.40494 | 26.54019 | 21.18981 | 47.87666 | 14.01191 | 24.63809 | 49.27917 | 15.41442 | 23.93558 | 41.67062 | 7.80587 | 22.00413 | 44.44146 | 10.57671 | 55.63329 |
| 4/21/2025 | 12:00:00 PM | 33.87144 | 60.41565 | 26.54421 | 21.18579 | 47.88337 | 14.01193 | 24.63807 | 49.28987 | 15.41843 | 23.93157 | 41.6742 | 7.80276 | 22.00724 | 44.44861 | 10.57717 | 55.63283 |
| 4/21/2025 | 1:00:00 PM | 33.87144 | 60.40137 | 26.52993 | 21.20007 | 47.88001 | 14.00857 | 24.64143 | 49.27917 | 15.40773 | 23.94227 | 41.66347 | 7.79203 | 22.01797 | 44.43074 | 10.5593 | 55.6507 |
| 4/21/2025 | 2:00:00 PM | 33.91825 | 60.38708 | 26.46883 | 21.26117 | 47.87666 | 13.95841 | 24.69159 | 49.27561 | 15.35736 | 23.99264 | 41.65989 | 7.74164 | 22.06836 | 44.43789 | 10.51964 | 55.69036 |
| 4/21/2025 | 3:00:00 PM | 33.93497 | 60.39779 | 26.46282 | 21.26718 | 47.88001 | 13.94504 | 24.70496 | 49.27917 | 15.3442 | 24.0058 | 41.67062 | 7.73565 | 22.07435 | 44.42359 | 10.48862 | 55.72138 |
| 4/21/2025 | 4:00:00 PM | 33.91491 | 60.38351 | 26.4686 | 21.2614 | 47.87666 | 13.96175 | 24.68825 | 49.26491 | 15.35 | 24 | 41.66347 | 7.74856 | 22.06144 | 44.42002 | 10.50511 | 55.70489 |
| 4/21/2025 | 5:00:00 PM | 33.91156 | 60.39065 | 26.47909 | 21.25091 | 47.87666 | 13.9651 | 24.6849 | 49.26848 | 15.35692 | 23.99308 | 41.66704 | 7.75548 | 22.05452 | 44.42002 | 10.50846 | 55.70154 |
| 4/21/2025 | 6:00:00 PM | 33.90488 | 60.37994 | 26.47506 | 21.25494 | 47.87666 | 13.97178 | 24.67822 | 49.26491 | 15.36003 | 23.98997 | 41.66704 | 7.76216 | 22.04784 | 44.41645 | 10.51157 | 55.69843 |
| 4/21/2025 | 7:00:00 PM | 33.89484 | 60.37637 | 26.48153 | 21.24847 | 47.8666 | 13.97176 | 24.67824 | 49.25778 | 15.36294 | 23.98706 | 41.66704 | 7.7722 | 22.0378 | 44.41287 | 10.51803 | 55.69197 |
| 4/21/2025 | 8:00:00 PM | 33.88481 | 60.38351 | 26.4987 | 21.2313 | 47.8733 | 13.98849 | 24.66151 | 49.26848 | 15.38367 | 23.96633 | 41.6742 | 7.78939 | 22.02061 | 44.42359 | 10.53878 | 55.67122 |
| 4/21/2025 | 9:00:00 PM | 33.88147 | 60.40494 | 26.52347 | 21.20653 | 47.88337 | 14.0019 | 24.6481 | 49.27917 | 15.3977 | 23.9523 | 41.68851 | 7.80704 | 22.00296 | 44.43431 | 10.55284 | 55.65716 |
| 4/21/2025 | 10:00:00 PM | 33.87478 | 60.40494 | 26.53016 | 21.19984 | 47.89343 | 14.01865 | 24.63135 | 49.29343 | 15.41865 | 23.93135 | 41.69209 | 7.81731 | 21.99269 | 44.45218 | 10.5774 | 55.6326 |
| 4/21/2025 | 11:00:00 PM | 33.86475 | 60.41565 | 26.5509 | 21.1791 | 47.90684 | 14.04209 | 24.60791 | 49.30413 | 15.43938 | 23.91062 | 41.69209 | 7.82734 | 21.98266 | 44.45576 | 10.59101 | 55.61899 |
| 4/22/2025 | 12:00:00 AM | 33.8614 | 60.41922 | 26.55782 | 21.17218 | 47.9102 | 14.0488 | 24.6012 | 49.31126 | 15.44986 | 23.90014 | 41.68851 | 7.82711 | 21.98289 | 44.45576 | 10.59436 | 55.61564 |
| 4/22/2025 | 1:00:00 AM | 33.85472 | 60.42279 | 26.56807 | 21.16193 | 47.92026 | 14.06554 | 24.58446 | 49.30769 | 15.45297 | 23.89703 | 41.68135 | 7.82663 | 21.98337 | 44.45576 | 10.60104 | 55.60896 |
| 4/22/2025 | 2:00:00 AM | 33.84468 | 60.40494 | 26.56026 | 21.16974 | 47.9102 | 14.06552 | 24.58448 | 49.30056 | 15.45588 | 23.89412 | 41.67778 | 7.8331 | 21.9769 | 44.44146 | 10.59678 | 55.61322 |
| 4/22/2025 | 3:00:00 AM | 33.84468 | 60.41565 | 26.57097 | 21.15903 | 47.9102 | 14.06552 | 24.58448 | 49.30413 | 15.45945 | 23.89055 | 41.68135 | 7.83667 | 21.97333 | 44.44861 | 10.60393 | 55.60607 |
| 4/22/2025 | 4:00:00 AM | 33.83465 | 60.40851 | 26.57386 | 21.15614 | 47.90684 | 14.07219 | 24.57781 | 49.30413 | 15.46948 | 23.88052 | 41.68493 | 7.85028 | 21.95972 | 44.44861 | 10.61396 | 55.59604 |
| 4/22/2025 | 5:00:00 AM | 33.83131 | 60.39422 | 26.56291 | 21.16709 | 47.90684 | 14.07553 | 24.57447 | 49.30769 | 15.47638 | 23.87362 | 41.68851 | 7.8572 | 21.9528 | 44.44146 | 10.61015 | 55.59985 |
| 4/22/2025 | 6:00:00 AM | 33.82462 | 60.40851 | 26.58389 | 21.14611 | 47.9102 | 14.08558 | 24.56442 | 49.30413 | 15.47951 | 23.87049 | 41.68493 | 7.86031 | 21.94969 | 44.43789 | 10.61327 | 55.59673 |
| 4/22/2025 | 7:00:00 AM | 33.81459 | 60.40851 | 26.59392 | 21.13608 | 47.9102 | 14.09561 | 24.55439 | 49.30769 | 15.4931 | 23.8569 | 41.69209 | 7.8775 | 21.9325 | 44.44146 | 10.62687 | 55.58313 |
| 4/22/2025 | 8:00:00 AM | 33.82128 | 60.40851 | 26.58723 | 21.14277 | 47.90684 | 14.08556 | 24.56444 | 49.30413 | 15.48285 | 23.86715 | 41.69209 | 7.87081 | 21.93919 | 44.45218 | 10.6309 | 55.5791 |
| 4/22/2025 | 9:00:00 AM | 33.82462 | 60.40851 | 26.58389 | 21.14611 | 47.9102 | 14.08558 | 24.56442 | 49.30769 | 15.48307 | 23.86693 | 41.69924 | 7.87462 | 21.93538 | 44.45218 | 10.62756 | 55.58244 |
| 4/22/2025 | 10:00:00 AM | 33.83131 | 60.41208 | 26.58077 | 21.14923 | 47.90684 | 14.07553 | 24.57447 | 49.30413 | 15.47282 | 23.87718 | 41.68851 | 7.8572 | 21.9528 | 44.45218 | 10.62087 | 55.58913 |
| 4/22/2025 | 11:00:00 AM | 33.83465 | 60.40494 | 26.57029 | 21.15971 | 47.89678 | 14.06213 | 24.58787 | 49.30413 | 15.46948 | 23.88052 | 41.68493 | 7.85028 | 21.95972 | 44.44146 | 10.60681 | 55.60319 |
| 4/22/2025 | 12:00:00 PM | 33.84468 | 60.38708 | 26.5424 | 21.1876 | 47.88001 | 14.03533 | 24.61467 | 49.27917 | 15.43449 | 23.91551 | 41.6742 | 7.82952 | 21.98048 | 44.41645 | 10.57177 | 55.63823 |
| 4/22/2025 | 1:00:00 PM | 33.8614 | 60.37637 | 26.51497 | 21.21503 | 47.85989 | 13.99849 | 24.65151 | 49.27561 | 15.41421 | 23.93579 | 41.6742 | 7.8128 | 21.9972 | 44.42359 | 10.56219 | 55.64781 |
| 4/22/2025 | 2:00:00 PM | 33.92828 | 60.36923 | 26.44095 | 21.28905 | 47.84312 | 13.91484 | 24.73516 | 49.25422 | 15.32594 | 24.02406 | 41.66704 | 7.73876 | 22.07124 | 44.4093 | 10.48102 | 55.72898 |
| 4/22/2025 | 3:00:00 PM | 33.92828 | 60.35494 | 26.42666 | 21.30334 | 47.82635 | 13.89807 | 24.75193 | 49.24352 | 15.31524 | 24.03476 | 41.66704 | 7.73876 | 22.07124 | 44.40215 | 10.47387 | 55.73613 |
| 4/22/2025 | 4:00:00 PM | 33.91491 | 60.33709 | 26.42218 | 21.30782 | 47.81293 | 13.89802 | 24.75198 | 49.22569 | 15.31078 | 24.03922 | 41.66347 | 7.74856 | 22.06144 | 44.39858 | 10.48367 | 55.72633 |
| 4/22/2025 | 5:00:00 PM | 33.90488 | 60.33709 | 26.43221 | 21.29779 | 47.78946 | 13.88458 | 24.76542 | 49.20787 | 15.30299 | 24.04701 | 41.65631 | 7.75143 | 22.05857 | 44.395 | 10.49012 | 55.71988 |
| 4/22/2025 | 6:00:00 PM | 33.8915 | 60.32995 | 26.43845 | 21.29155 | 47.77604 | 13.88454 | 24.76546 | 49.19717 | 15.30567 | 24.04433 | 41.66347 | 7.77197 | 22.03803 | 44.395 | 10.5035 | 55.7065 |
| 4/22/2025 | 7:00:00 PM | 33.8915 | 60.32281 | 26.43131 | 21.29869 | 47.75927 | 13.86777 | 24.78223 | 49.19361 | 15.30211 | 24.04789 | 41.65989 | 7.76839 | 22.04161 | 44.395 | 10.5035 | 55.7065 |
| 4/22/2025 | 8:00:00 PM | 33.87478 | 60.32281 | 26.44803 | 21.28197 | 47.74921 | 13.87443 | 24.77557 | 49.18648 | 15.3117 | 24.0383 | 41.65631 | 7.78153 | 22.02847 | 44.39858 | 10.5238 | 55.6862 |
| 4/22/2025 | 9:00:00 PM | 33.86475 | 60.31924 | 26.45449 | 21.27551 | 47.75592 | 13.89117 | 24.75883 | 49.19361 | 15.32886 | 24.02114 | 41.66347 | 7.79872 | 22.01128 | 44.41645 | 10.5517 | 55.6583 |
| 4/22/2025 | 10:00:00 PM | 33.85137 | 60.32638 | 26.47501 | 21.25499 | 47.75927 | 13.9079 | 24.7421 | 49.19004 | 15.33867 | 24.01133 | 41.66704 | 7.81567 | 21.99433 | 44.41645 | 10.56508 | 55.64492 |
| 4/22/2025 | 11:00:00 PM | 33.84468 | 60.33352 | 26.48884 | 21.24116 | 47.76263 | 13.91795 | 24.73205 | 49.19361 | 15.34893 | 24.00107 | 41.66704 | 7.82236 | 21.98764 | 44.43074 | 10.58606 | 55.62394 |
| 4/23/2025 | 12:00:00 AM | 33.83465 | 60.33352 | 26.49887 | 21.23113 | 47.77269 | 13.93804 | 24.71196 | 49.20787 | 15.37322 | 23.97678 | 41.66704 | 7.83239 | 21.97761 | 44.43074 | 10.59609 | 55.61391 |
| 4/23/2025 | 1:00:00 AM | 33.82796 | 60.34066 | 26.5127 | 21.2173 | 47.77269 | 13.94473 | 24.70527 | 49.21856 | 15.3906 | 23.9594 | 41.66704 | 7.83908 | 21.97092 | 44.44146 | 10.6135 | 55.5965 |
| 4/23/2025 | 2:00:00 AM | 33.81793 | 60.33709 | 26.51916 | 21.21084 | 47.76598 | 13.94805 | 24.70195 | 49.2043 | 15.38637 | 23.96363 | 41.65273 | 7.8348 | 21.9752 | 44.44146 | 10.62353 | 55.58647 |
| 4/23/2025 | 3:00:00 AM | 33.81793 | 60.32995 | 26.51202 | 21.21798 | 47.76263 | 13.9447 | 24.7053 | 49.19717 | 15.37924 | 23.97076 | 41.64915 | 7.83122 | 21.97878 | 44.43074 | 10.61281 | 55.59719 |
| 4/23/2025 | 4:00:00 AM | 33.80121 | 60.32638 | 26.52517 | 21.20483 | 47.75592 | 13.95471 | 24.69529 | 49.19717 | 15.39596 | 23.95404 | 41.65273 | 7.85152 | 21.95848 | 44.42717 | 10.62596 | 55.58404 |
| 4/23/2025 | 5:00:00 AM | 33.79452 | 60.31566 | 26.52114 | 21.20886 | 47.75592 | 13.9614 | 24.6886 | 49.18648 | 15.39196 | 23.95804 | 41.64558 | 7.85106 | 21.95894 | 44.42359 | 10.62907 | 55.58093 |
| 4/23/2025 | 6:00:00 AM | 33.78449 | 60.31209 | 26.5276 | 21.2024 | 47.74921 | 13.96472 | 24.68528 | 49.18291 | 15.39842 | 23.95158 | 41.642 | 7.85751 | 21.95249 | 44.42002 | 10.63553 | 55.57447 |
| 4/23/2025 | 7:00:00 AM | 33.7778 | 60.31924 | 26.54144 | 21.18856 | 47.75927 | 13.98147 | 24.66853 | 49.19004 | 15.41224 | 23.93776 | 41.64915 | 7.87135 | 21.93865 | 44.42717 | 10.64937 | 55.56063 |
| 4/23/2025 | 8:00:00 AM | 33.78115 | 60.32281 | 26.54166 | 21.18834 | 47.75592 | 13.97477 | 24.67523 | 49.18291 | 15.40176 | 23.94824 | 41.64558 | 7.86443 | 21.94557 | 44.43789 | 10.65674 | 55.55326 |
| 4/23/2025 | 9:00:00 AM | 33.78115 | 60.31566 | 26.53451 | 21.19549 | 47.75256 | 13.97141 | 24.67859 | 49.19361 | 15.41246 | 23.93754 | 41.642 | 7.86085 | 21.94915 | 44.43789 | 10.65674 | 55.55326 |
| 4/23/2025 | 10:00:00 AM | 33.78784 | 60.30495 | 26.51711 | 21.21289 | 47.7425 | 13.95466 | 24.69534 | 49.17935 | 15.39151 | 23.95849 | 41.642 | 7.85416 | 21.95584 | 44.42359 | 10.63575 | 55.57425 |
| 4/23/2025 | 11:00:00 AM | 33.79118 | 60.30495 | 26.51377 | 21.21623 | 47.73244 | 13.94126 | 24.70874 | 49.16152 | 15.37034 | 23.97966 | 41.63127 | 7.84009 | 21.96991 | 44.42359 | 10.63241 | 55.57759 |
| 4/23/2025 | 12:00:00 PM | 33.80456 | 60.28353 | 26.47897 | 21.25103 | 47.71903 | 13.91447 | 24.73553 | 49.14726 | 15.3427 | 24.0073 | 41.62053 | 7.81597 | 21.99403 | 44.40215 | 10.59759 | 55.61241 |
| 4/23/2025 | 1:00:00 PM | 33.82128 | 60.26924 | 26.44796 | 21.28204 | 47.70226 | 13.88098 | 24.76902 | 49.12587 | 15.30459 | 24.04541 | 41.61338 | 7.7921 | 22.0179 | 44.39858 | 10.5773 | 55.6327 |
| 4/23/2025 | 2:00:00 PM | 33.87478 | 60.25853 | 26.38375 | 21.34625 | 47.67878 | 13.804 | 24.846 | 49.10447 | 15.22969 | 24.12031 | 41.60622 | 7.73144 | 22.07856 | 44.38071 | 10.50593 | 55.70407 |
| 4/23/2025 | 3:00:00 PM | 33.88147 | 60.24425 | 26.36278 | 21.36722 | 47.66201 | 13.78054 | 24.86946 | 49.09021 | 15.20874 | 24.14126 | 41.59549 | 7.71402 | 22.09598 | 44.37713 | 10.49566 | 55.71434 |
| 4/23/2025 | 4:00:00 PM | 33.86809 | 60.22282 | 26.35473 | 21.37527 | 47.63518 | 13.76709 | 24.88291 | 49.07239 | 15.2043 | 24.1457 | 41.59549 | 7.7274 | 22.0826 | 44.37356 | 10.50547 | 55.70453 |
| 4/23/2025 | 5:00:00 PM | 33.8614 | 60.21925 | 26.35785 | 21.37215 | 47.61841 | 13.75701 | 24.89299 | 49.06169 | 15.20029 | 24.14971 | 41.58833 | 7.72693 | 22.08307 | 44.37713 | 10.51573 | 55.69427 |
| 4/23/2025 | 6:00:00 PM | 33.85137 | 60.21211 | 26.36074 | 21.36926 | 47.60164 | 13.75027 | 24.89973 | 49.05456 | 15.20319 | 24.14681 | 41.58118 | 7.72981 | 22.08019 | 44.36998 | 10.51861 | 55.69139 |
| 4/23/2025 | 7:00:00 PM | 33.84803 | 60.20497 | 26.35694 | 21.37306 | 47.58822 | 13.74019 | 24.90981 | 49.0403 | 15.19227 | 24.15773 | 41.5776 | 7.72957 | 22.08043 | 44.36998 | 10.52195 | 55.68805 |
| 4/23/2025 | 8:00:00 PM | 33.83131 | 60.20497 | 26.37366 | 21.35634 | 47.57816 | 13.74685 | 24.90315 | 49.03317 | 15.20186 | 24.14814 | 41.57402 | 7.74271 | 22.06729 | 44.36641 | 10.5351 | 55.6749 |
| 4/23/2025 | 9:00:00 PM | 33.81793 | 60.20497 | 26.38704 | 21.34296 | 47.57816 | 13.76023 | 24.88977 | 49.03317 | 15.21524 | 24.13476 | 41.5776 | 7.75967 | 22.05033 | 44.37713 | 10.5592 | 55.6508 |
| 4/23/2025 | 10:00:00 PM | 33.8079 | 60.20497 | 26.39707 | 21.33293 | 47.59158 | 13.78368 | 24.86632 | 49.0403 | 15.2324 | 24.1176 | 41.58833 | 7.78043 | 22.02957 | 44.39143 | 10.58353 | 55.62647 |
| 4/23/2025 | 11:00:00 PM | 33.79452 | 60.20854 | 26.41402 | 21.31598 | 47.58822 | 13.7937 | 24.8563 | 49.0403 | 15.24578 | 24.10422 | 41.58118 | 7.78666 | 22.02334 | 44.40572 | 10.6112 | 55.5988 |
| 4/24/2025 | 12:00:00 AM | 33.79118 | 60.21925 | 26.42807 | 21.30193 | 47.59158 | 13.8004 | 24.8496 | 49.04743 | 15.25625 | 24.09375 | 41.5776 | 7.78642 | 22.02358 | 44.40572 | 10.61454 | 55.59546 |
| 4/24/2025 | 1:00:00 AM | 33.78449 | 60.21211 | 26.42762 | 21.30238 | 47.59493 | 13.81044 | 24.83956 | 49.051 | 15.26651 | 24.08349 | 41.57402 | 7.78953 | 22.02047 | 44.41287 | 10.62838 | 55.58162 |
| 4/24/2025 | 2:00:00 AM | 33.7778 | 60.20854 | 26.43074 | 21.29926 | 47.59493 | 13.81713 | 24.83287 | 49.04386 | 15.26606 | 24.08394 | 41.56687 | 7.78907 | 22.02093 | 44.40572 | 10.62792 | 55.58208 |
| 4/24/2025 | 3:00:00 AM | 33.76443 | 60.19783 | 26.4334 | 21.2966 | 47.58822 | 13.82379 | 24.82621 | 49.0296 | 15.26517 | 24.08483 | 41.55613 | 7.7917 | 22.0183 | 44.40215 | 10.63772 | 55.57228 |
| 4/24/2025 | 4:00:00 AM | 33.75774 | 60.19783 | 26.44009 | 21.28991 | 47.58822 | 13.83048 | 24.81952 | 49.0296 | 15.27186 | 24.07814 | 41.55971 | 7.80197 | 22.00803 | 44.40215 | 10.64441 | 55.56559 |
| 4/24/2025 | 5:00:00 AM | 33.74771 | 60.18354 | 26.43583 | 21.29417 | 47.58487 | 13.83716 | 24.81284 | 49.0296 | 15.28189 | 24.06811 | 41.55613 | 7.80842 | 22.00158 | 44.40215 | 10.65444 | 55.55556 |
| 4/24/2025 | 6:00:00 AM | 33.73768 | 60.19068 | 26.453 | 21.277 | 47.58152 | 13.84384 | 24.80616 | 49.01178 | 15.2741 | 24.0759 | 41.54898 | 7.8113 | 21.9987 | 44.395 | 10.65732 | 55.55268 |
| 4/24/2025 | 7:00:00 AM | 33.74102 | 60.19068 | 26.44966 | 21.28034 | 47.58487 | 13.84385 | 24.80615 | 49.00821 | 15.26719 | 24.08281 | 41.5454 | 7.80438 | 22.00562 | 44.39858 | 10.65756 | 55.55244 |
| 4/24/2025 | 8:00:00 AM | 33.73433 | 60.19425 | 26.45992 | 21.27008 | 47.58487 | 13.85054 | 24.79946 | 49.01534 | 15.28101 | 24.06899 | 41.5454 | 7.81107 | 21.99893 | 44.395 | 10.66067 | 55.54933 |
| 4/24/2025 | 9:00:00 AM | 33.74102 | 60.16926 | 26.42824 | 21.30176 | 47.57481 | 13.83379 | 24.81621 | 49.00108 | 15.26006 | 24.08994 | 41.53109 | 7.79007 | 22.01993 | 44.38785 | 10.64683 | 55.56317 |
| 4/24/2025 | 10:00:00 AM | 33.7243 | 60.1764 | 26.4521 | 21.2779 | 47.57481 | 13.85051 | 24.79949 | 49.00821 | 15.28391 | 24.06609 | 41.53466 | 7.81036 | 21.99964 | 44.38785 | 10.66355 | 55.54645 |
| 4/24/2025 | 11:00:00 AM | 33.73433 | 60.16212 | 26.42779 | 21.30221 | 47.56139 | 13.82706 | 24.82294 | 48.99039 | 15.25606 | 24.09394 | 41.52393 | 7.7896 | 22.0204 | 44.37713 | 10.6428 | 55.5672 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/24/2025 | 12:00:00 PM | 33.74436 | 60.14069 | 26.39633 | 21.33367 | 47.54127 | 13.79691 | 24.85309 | 48.96543 | 15.22107 | 24.12893 | 41.50246 | 7.7581 | 22.0519 | 44.36284 | 10.61848 | 55.59152 |
| 4/24/2025 | 1:00:00 PM | 33.7544 | 60.1157 | 26.3613 | 21.3687 | 47.52115 | 13.76675 | 24.88325 | 48.94404 | 15.18964 | 24.16036 | 41.49531 | 7.74091 | 22.06909 | 44.34139 | 10.58699 | 55.62301 |
| 4/24/2025 | 2:00:00 PM | 33.82128 | 60.10855 | 26.28727 | 21.44273 | 47.49096 | 13.66968 | 24.98032 | 48.93334 | 15.11206 | 24.23794 | 41.49173 | 7.67045 | 22.13955 | 44.33425 | 10.51297 | 55.69703 |
| 4/24/2025 | 3:00:00 PM | 33.82128 | 60.10498 | 26.2837 | 21.4463 | 47.47419 | 13.65291 | 24.99709 | 48.90838 | 15.0871 | 24.2629 | 41.48458 | 7.6633 | 22.1467 | 44.33782 | 10.51654 | 55.69346 |
| 4/24/2025 | 4:00:00 PM | 33.81459 | 60.08713 | 26.27254 | 21.45746 | 47.45407 | 13.63948 | 25.01052 | 48.89769 | 15.0831 | 24.2669 | 41.47384 | 7.65925 | 22.15075 | 44.33425 | 10.51966 | 55.69034 |
| 4/24/2025 | 5:00:00 PM | 33.80456 | 60.06927 | 26.26471 | 21.46529 | 47.42388 | 13.61932 | 25.03068 | 48.8763 | 15.07174 | 24.27826 | 41.46311 | 7.65855 | 22.15145 | 44.32352 | 10.51896 | 55.69104 |
| 4/24/2025 | 6:00:00 PM | 33.79787 | 60.05499 | 26.25712 | 21.47288 | 47.40041 | 13.60254 | 25.04746 | 48.86204 | 15.06417 | 24.28583 | 41.45953 | 7.66166 | 22.14834 | 44.31638 | 10.51851 | 55.69149 |
| 4/24/2025 | 7:00:00 PM | 33.78784 | 60.04071 | 26.25287 | 21.47713 | 47.38028 | 13.59244 | 25.05756 | 48.84064 | 15.0528 | 24.2972 | 41.44164 | 7.6538 | 22.1562 | 44.30923 | 10.52139 | 55.68861 |
| 4/24/2025 | 8:00:00 PM | 33.76443 | 60.04071 | 26.27628 | 21.45372 | 47.37022 | 13.60579 | 25.04421 | 48.82995 | 15.06552 | 24.28448 | 41.44522 | 7.68079 | 22.12921 | 44.31638 | 10.55195 | 55.65805 |
| 4/24/2025 | 9:00:00 PM | 33.76108 | 60.04785 | 26.28677 | 21.44323 | 47.38028 | 13.6192 | 25.0308 | 48.83708 | 15.076 | 24.274 | 41.45238 | 7.6913 | 22.1187 | 44.3271 | 10.56602 | 55.64398 |
| 4/24/2025 | 10:00:00 PM | 33.75774 | 60.05856 | 26.30082 | 21.42918 | 47.39705 | 13.63931 | 25.01069 | 48.85134 | 15.0936 | 24.2564 | 41.46311 | 7.70537 | 22.10463 | 44.35569 | 10.59795 | 55.61205 |
| 4/24/2025 | 11:00:00 PM | 33.74771 | 60.07284 | 26.32513 | 21.40487 | 47.40711 | 13.6594 | 24.9906 | 48.8656 | 15.11789 | 24.23211 | 41.45595 | 7.70824 | 22.10176 | 44.36998 | 10.62227 | 55.58773 |
| 4/25/2025 | 12:00:00 AM | 33.74436 | 60.0657 | 26.32134 | 21.40866 | 47.41047 | 13.66611 | 24.98389 | 48.8656 | 15.12124 | 24.22876 | 41.44522 | 7.70086 | 22.10914 | 44.36998 | 10.62562 | 55.58438 |
| 4/25/2025 | 1:00:00 AM | 33.73433 | 60.0657 | 26.33137 | 21.39863 | 47.41047 | 13.67614 | 24.97386 | 48.8656 | 15.13127 | 24.21873 | 41.43806 | 7.70373 | 22.10627 | 44.36284 | 10.62851 | 55.58149 |
| 4/25/2025 | 2:00:00 AM | 33.71761 | 60.05499 | 26.33738 | 21.39262 | 47.40376 | 13.68615 | 24.96385 | 48.85491 | 15.1373 | 24.2127 | 41.42733 | 7.70972 | 22.10028 | 44.34854 | 10.63093 | 55.57907 |
| 4/25/2025 | 3:00:00 AM | 33.71092 | 60.03714 | 26.32622 | 21.40378 | 47.39705 | 13.68613 | 24.96387 | 48.83351 | 15.12259 | 24.22741 | 41.40944 | 7.69852 | 22.11148 | 44.33782 | 10.6269 | 55.5831 |
| 4/25/2025 | 4:00:00 AM | 33.70424 | 60.04071 | 26.33647 | 21.39353 | 47.3937 | 13.68946 | 24.96054 | 48.84064 | 15.1364 | 24.2136 | 41.4166 | 7.71236 | 22.09764 | 44.34139 | 10.63715 | 55.57285 |
| 4/25/2025 | 5:00:00 AM | 33.68417 | 60.04071 | 26.35654 | 21.37346 | 47.39705 | 13.71288 | 24.93712 | 48.83351 | 15.14934 | 24.20066 | 41.40586 | 7.72169 | 22.08831 | 44.34497 | 10.6608 | 55.5492 |
| 4/25/2025 | 6:00:00 AM | 33.68083 | 60.03357 | 26.35274 | 21.37726 | 47.40041 | 13.71958 | 24.93042 | 48.83708 | 15.15625 | 24.19375 | 41.40586 | 7.72503 | 22.08497 | 44.34139 | 10.66056 | 55.54944 |
| 4/25/2025 | 7:00:00 AM | 33.67748 | 60.04071 | 26.36323 | 21.36677 | 47.40711 | 13.72963 | 24.92037 | 48.84064 | 15.16316 | 24.18684 | 41.41302 | 7.73554 | 22.07446 | 44.35569 | 10.67821 | 55.53179 |
| 4/25/2025 | 8:00:00 AM | 33.68417 | 60.04785 | 26.36368 | 21.36632 | 47.42388 | 13.73971 | 24.91029 | 48.84777 | 15.1636 | 24.1864 | 41.4166 | 7.73243 | 22.07757 | 44.35569 | 10.67152 | 55.53848 |
| 4/25/2025 | 9:00:00 AM | 33.69755 | 60.04785 | 26.3503 | 21.3797 | 47.42053 | 13.72298 | 24.92702 | 48.85491 | 15.15736 | 24.19264 | 41.40944 | 7.71189 | 22.09811 | 44.35212 | 10.65457 | 55.55543 |
| 4/25/2025 | 10:00:00 AM | 33.70424 | 60.04071 | 26.33647 | 21.39353 | 47.42053 | 13.71629 | 24.93371 | 48.85134 | 15.1471 | 24.2029 | 41.40229 | 7.69805 | 22.11195 | 44.34854 | 10.6443 | 55.5657 |
| 4/25/2025 | 11:00:00 AM | 33.70758 | 60.02999 | 26.32241 | 21.40759 | 47.40376 | 13.69618 | 24.95382 | 48.83351 | 15.12593 | 24.22407 | 41.3844 | 7.67682 | 22.13318 | 44.33425 | 10.62667 | 55.58333 |
| 4/25/2025 | 12:00:00 PM | 33.71761 | 60.01571 | 26.2981 | 21.4319 | 47.38699 | 13.66938 | 24.98062 | 48.81925 | 15.10164 | 24.24836 | 41.38082 | 7.66321 | 22.14679 | 44.3128 | 10.59519 | 55.61481 |
| 4/25/2025 | 1:00:00 PM | 33.73099 | 59.98714 | 26.25615 | 21.47385 | 47.36016 | 13.62917 | 25.02083 | 48.7943 | 15.06331 | 24.28669 | 41.35935 | 7.62836 | 22.18164 | 44.30565 | 10.57466 | 55.63534 |
| 4/25/2025 | 2:00:00 PM | 33.79118 | 59.96929 | 26.17811 | 21.55189 | 47.33333 | 13.54215 | 25.10785 | 48.77647 | 14.98529 | 24.36471 | 41.3522 | 7.56102 | 22.24898 | 44.28778 | 10.4966 | 55.7134 |
| 4/25/2025 | 3:00:00 PM | 33.69755 | 59.96215 | 26.2646 | 21.4654 | 47.31656 | 13.61901 | 25.03099 | 48.74795 | 15.0504 | 24.2996 | 41.34504 | 7.64749 | 22.16251 | 44.27349 | 10.57594 | 55.63406 |
| 4/25/2025 | 4:00:00 PM | 33.68752 | 59.94429 | 26.25677 | 21.47323 | 47.28973 | 13.60221 | 25.04779 | 48.73369 | 15.04617 | 24.30383 | 41.34146 | 7.65394 | 22.15606 | 44.27349 | 10.58597 | 55.62403 |
| 4/25/2025 | 5:00:00 PM | 33.68752 | 59.94429 | 26.25677 | 21.47323 | 47.27296 | 13.58544 | 25.06456 | 48.71586 | 15.02834 | 24.32166 | 41.33789 | 7.65037 | 22.15963 | 44.27349 | 10.58597 | 55.62403 |
| 4/25/2025 | 6:00:00 PM | 33.67748 | 59.93715 | 26.25967 | 21.47033 | 47.25619 | 13.57871 | 25.07129 | 48.71943 | 15.04195 | 24.30805 | 41.32715 | 7.64967 | 22.16033 | 44.26634 | 10.58886 | 55.62114 |
| 4/25/2025 | 7:00:00 PM | 33.66745 | 59.92287 | 26.25542 | 21.47458 | 47.24277 | 13.57532 | 25.07468 | 48.70516 | 15.03771 | 24.31229 | 41.32715 | 7.6597 | 22.1503 | 44.26992 | 10.60247 | 55.60753 |
| 4/25/2025 | 8:00:00 PM | 33.65742 | 59.93001 | 26.27259 | 21.45741 | 47.24613 | 13.58871 | 25.06129 | 48.70516 | 15.04774 | 24.30226 | 41.33073 | 7.67331 | 22.13669 | 44.28778 | 10.63036 | 55.57964 |
| 4/25/2025 | 9:00:00 PM | 33.64404 | 59.94072 | 26.29668 | 21.43332 | 47.25619 | 13.61215 | 25.03785 | 48.71586 | 15.07182 | 24.27818 | 41.33073 | 7.68669 | 22.12331 | 44.29493 | 10.65089 | 55.55911 |
| 4/25/2025 | 10:00:00 PM | 33.63401 | 59.94786 | 26.31385 | 21.41615 | 47.25954 | 13.62553 | 25.02447 | 48.71586 | 15.08185 | 24.26815 | 41.33073 | 7.69672 | 22.11328 | 44.30923 | 10.67522 | 55.53478 |
| 4/25/2025 | 11:00:00 PM | 33.62398 | 59.94429 | 26.32031 | 21.40969 | 47.27296 | 13.64898 | 25.00102 | 48.72656 | 15.10258 | 24.24742 | 41.32715 | 7.70317 | 22.10683 | 44.3128 | 10.68882 | 55.52118 |
| 4/26/2025 | 12:00:00 AM | 33.62398 | 59.95501 | 26.33103 | 21.39897 | 47.27967 | 13.65569 | 24.99431 | 48.73369 | 15.10971 | 24.24029 | 41.32715 | 7.70317 | 22.10683 | 44.31638 | 10.6924 | 55.5176 |
| 4/26/2025 | 1:00:00 AM | 33.62064 | 59.96215 | 26.34151 | 21.38849 | 47.28638 | 13.66574 | 24.98426 | 48.73369 | 15.11305 | 24.23695 | 41.32357 | 7.70293 | 22.10707 | 44.30923 | 10.68859 | 55.52141 |
| 4/26/2025 | 2:00:00 AM | 33.60392 | 59.94429 | 26.34037 | 21.38963 | 47.29644 | 13.69252 | 24.95748 | 48.74438 | 15.14046 | 24.20954 | 41.30926 | 7.70534 | 22.10466 | 44.31995 | 10.71603 | 55.49397 |
| 4/26/2025 | 3:00:00 AM | 33.60392 | 59.95858 | 26.35466 | 21.37534 | 47.30314 | 13.69922 | 24.95078 | 48.74082 | 15.1369 | 24.2131 | 41.31284 | 7.70892 | 22.10108 | 44.31995 | 10.71603 | 55.49397 |
| 4/26/2025 | 4:00:00 AM | 33.60392 | 59.97643 | 26.37251 | 21.35749 | 47.32998 | 13.72606 | 24.92394 | 48.75864 | 15.15472 | 24.19528 | 41.33073 | 7.72681 | 22.08319 | 44.34139 | 10.73747 | 55.47253 |
| 4/26/2025 | 5:00:00 AM | 33.59388 | 59.99786 | 26.40398 | 21.32602 | 47.35345 | 13.75957 | 24.89043 | 48.77647 | 15.18259 | 24.16741 | 41.33431 | 7.74043 | 22.06957 | 44.35212 | 10.75824 | 55.45176 |
| 4/26/2025 | 6:00:00 AM | 33.60057 | 59.98357 | 26.383 | 21.347 | 47.3501 | 13.74953 | 24.90047 | 48.7836 | 15.18303 | 24.16697 | 41.32 | 7.71943 | 22.09057 | 44.34497 | 10.7444 | 55.4656 |
| 4/26/2025 | 7:00:00 AM | 33.60057 | 60.00143 | 26.40086 | 21.32914 | 47.38028 | 13.77971 | 24.87029 | 48.79786 | 15.19729 | 24.15271 | 41.33073 | 7.73016 | 22.07984 | 44.35569 | 10.75512 | 55.45488 |
| 4/26/2025 | 8:00:00 AM | 33.60392 | 60.01214 | 26.40822 | 21.32178 | 47.39035 | 13.78643 | 24.86357 | 48.80856 | 15.20464 | 24.14536 | 41.33431 | 7.73039 | 22.07961 | 44.34854 | 10.74462 | 55.46538 |
| 4/26/2025 | 9:00:00 AM | 33.59054 | 60.00143 | 26.41089 | 21.31911 | 47.38699 | 13.79645 | 24.85355 | 48.80856 | 15.21802 | 24.13198 | 41.32 | 7.72946 | 22.08054 | 44.33425 | 10.74371 | 55.46629 |
| 4/26/2025 | 10:00:00 AM | 33.60392 | 60.00857 | 26.40465 | 21.32535 | 47.39035 | 13.78643 | 24.86357 | 48.80143 | 15.19751 | 24.15249 | 41.31284 | 7.70892 | 22.10108 | 44.3271 | 10.72318 | 55.48682 |
| 4/26/2025 | 11:00:00 AM | 33.62064 | 59.98714 | 26.3665 | 21.3635 | 47.39035 | 13.76971 | 24.88029 | 48.7943 | 15.17366 | 24.17634 | 41.31284 | 7.6922 | 22.1178 | 44.31638 | 10.69574 | 55.51426 |
| 4/26/2025 | 12:00:00 PM | 33.62398 | 59.98357 | 26.35959 | 21.37041 | 47.38028 | 13.7563 | 24.8937 | 48.78717 | 15.16319 | 24.18681 | 41.30211 | 7.67813 | 22.13187 | 44.29851 | 10.67453 | 55.53547 |
| 4/26/2025 | 1:00:00 PM | 33.6407 | 59.97643 | 26.33573 | 21.39427 | 47.37022 | 13.72952 | 24.92048 | 48.78003 | 15.13933 | 24.21067 | 41.30569 | 7.66499 | 22.14501 | 44.29851 | 10.65781 | 55.55219 |
| 4/26/2025 | 2:00:00 PM | 33.69755 | 59.97286 | 26.27531 | 21.45469 | 47.36351 | 13.66596 | 24.98404 | 48.7729 | 15.07535 | 24.27465 | 41.30569 | 7.60814 | 22.20186 | 44.29136 | 10.59381 | 55.61619 |
| 4/26/2025 | 3:00:00 PM | 33.69086 | 59.96929 | 26.27843 | 21.45157 | 47.3501 | 13.65924 | 24.99076 | 48.76221 | 15.07135 | 24.27865 | 41.30211 | 7.61125 | 22.19875 | 44.28064 | 10.58978 | 55.62022 |
| 4/26/2025 | 4:00:00 PM | 33.68083 | 59.95858 | 26.27775 | 21.45225 | 47.32998 | 13.64915 | 25.00085 | 48.75508 | 15.07425 | 24.27575 | 41.29853 | 7.6177 | 22.1923 | 44.27706 | 10.59623 | 55.61377 |
| 4/26/2025 | 5:00:00 PM | 33.67414 | 59.96215 | 26.28801 | 21.44199 | 47.31991 | 13.64577 | 25.00423 | 48.75508 | 15.08094 | 24.26906 | 41.30211 | 7.62797 | 22.18203 | 44.28778 | 10.61364 | 55.59636 |
| 4/26/2025 | 6:00:00 PM | 33.67414 | 59.95858 | 26.28444 | 21.44556 | 47.32662 | 13.65248 | 24.99752 | 48.75508 | 15.08094 | 24.26906 | 41.30926 | 7.63512 | 22.17488 | 44.29493 | 10.62079 | 55.58921 |
| 4/26/2025 | 7:00:00 PM | 33.67414 | 59.97643 | 26.30229 | 21.42771 | 47.32998 | 13.65584 | 24.99416 | 48.76934 | 15.0952 | 24.2548 | 41.30211 | 7.62797 | 22.18203 | 44.30923 | 10.63509 | 55.57491 |
| 4/26/2025 | 8:00:00 PM | 33.67414 | 59.99071 | 26.31657 | 21.41343 | 47.34674 | 13.6726 | 24.9774 | 48.78717 | 15.11303 | 24.23697 | 41.31284 | 7.6387 | 22.1713 | 44.3128 | 10.63866 | 55.57134 |
| 4/26/2025 | 9:00:00 PM | 33.6708 | 60.00143 | 26.33063 | 21.39937 | 47.36016 | 13.68936 | 24.96064 | 48.79786 | 15.12706 | 24.22294 | 41.32 | 7.6492 | 22.1608 | 44.33067 | 10.65987 | 55.55013 |
| 4/26/2025 | 10:00:00 PM | 33.66076 | 60.01571 | 26.35495 | 21.37505 | 47.37358 | 13.71282 | 24.93718 | 48.81212 | 15.15136 | 24.19864 | 41.32 | 7.65924 | 22.15076 | 44.33067 | 10.66991 | 55.54009 |
| 4/26/2025 | 11:00:00 PM | 33.65742 | 60.02285 | 26.36543 | 21.36457 | 47.39035 | 13.73293 | 24.91707 | 48.81569 | 15.15827 | 24.19173 | 41.33789 | 7.68047 | 22.12953 | 44.33782 | 10.6804 | 55.5296 |
| 4/27/2025 | 12:00:00 AM | 33.65742 | 60.04071 | 26.38329 | 21.34671 | 47.41047 | 13.75305 | 24.89695 | 48.82995 | 15.17253 | 24.17747 | 41.33789 | 7.68047 | 22.12953 | 44.34854 | 10.69112 | 55.51888 |
| 4/27/2025 | 1:00:00 AM | 33.66076 | 60.0657 | 26.40494 | 21.32506 | 47.43059 | 13.76983 | 24.88017 | 48.84777 | 15.18701 | 24.16299 | 41.34146 | 7.6807 | 22.1293 | 44.35569 | 10.69493 | 55.51507 |
| 4/27/2025 | 2:00:00 AM | 33.65073 | 60.04071 | 26.38998 | 21.34002 | 47.42388 | 13.77315 | 24.87685 | 48.84421 | 15.19348 | 24.15652 | 41.33073 | 7.68 | 22.13 | 44.33067 | 10.67994 | 55.53006 |
| 4/27/2025 | 3:00:00 AM | 33.65073 | 60.05142 | 26.40069 | 21.32931 | 47.4373 | 13.78657 | 24.86343 | 48.85134 | 15.20061 | 24.14939 | 41.33073 | 7.68 | 22.13 | 44.33067 | 10.67994 | 55.53006 |
| 4/27/2025 | 4:00:00 AM | 33.65408 | 60.06927 | 26.41519 | 21.31481 | 47.46078 | 13.8067 | 24.8433 | 48.8656 | 15.21152 | 24.13848 | 41.34146 | 7.68738 | 22.12262 | 44.34497 | 10.69089 | 55.51911 |
| 4/27/2025 | 5:00:00 AM | 33.65742 | 60.07284 | 26.41542 | 21.31458 | 47.47084 | 13.81342 | 24.83658 | 48.8763 | 15.21888 | 24.13112 | 41.3522 | 7.69478 | 22.11522 | 44.34497 | 10.68755 | 55.52245 |
| 4/27/2025 | 6:00:00 AM | 33.65742 | 60.08356 | 26.42614 | 21.30386 | 47.49432 | 13.8369 | 24.8131 | 48.89412 | 15.2367 | 24.1133 | 41.36293 | 7.70551 | 22.10449 | 44.35569 | 10.69827 | 55.51173 |
| 4/27/2025 | 7:00:00 AM | 33.66745 | 60.0907 | 26.42325 | 21.30675 | 47.50773 | 13.84028 | 24.80972 | 48.90482 | 15.23737 | 24.11263 | 41.35578 | 7.68833 | 22.12167 | 44.35212 | 10.68467 | 55.52533 |
| 4/27/2025 | 8:00:00 AM | 33.67414 | 60.10498 | 26.43084 | 21.29916 | 47.52115 | 13.84701 | 24.80299 | 48.91552 | 15.24138 | 24.10862 | 41.36293 | 7.68879 | 22.12121 | 44.35926 | 10.68512 | 55.52488 |
| 4/27/2025 | 9:00:00 AM | 33.68417 | 60.11212 | 26.42795 | 21.30205 | 47.53121 | 13.84704 | 24.80296 | 48.91908 | 15.23491 | 24.11509 | 41.36293 | 7.67876 | 22.13124 | 44.35926 | 10.67509 | 55.53491 |
| 4/27/2025 | 10:00:00 AM | 33.67748 | 60.1157 | 26.43822 | 21.29178 | 47.53456 | 13.85708 | 24.79292 | 48.92978 | 15.2523 | 24.0977 | 41.36651 | 7.68903 | 22.12097 | 44.36284 | 10.68536 | 55.52464 |
| 4/27/2025 | 11:00:00 AM | 33.68752 | 60.11927 | 26.43175 | 21.29825 | 47.54127 | 13.85375 | 24.79625 | 48.92978 | 15.24226 | 24.10774 | 41.37366 | 7.68614 | 22.12386 | 44.35569 | 10.66817 | 55.54183 |
| 4/27/2025 | 12:00:00 PM | 33.6942 | 60.11927 | 26.42507 | 21.30493 | 47.53792 | 13.84372 | 24.80628 | 48.92621 | 15.23201 | 24.11799 | 41.36651 | 7.67231 | 22.13769 | 44.33782 | 10.64362 | 55.56638 |
| 4/27/2025 | 1:00:00 PM | 33.70424 | 60.11927 | 26.41503 | 21.31497 | 47.54462 | 13.84038 | 24.80962 | 48.92978 | 15.22554 | 24.12446 | 41.38082 | 7.67658 | 22.13342 | 44.34139 | 10.63715 | 55.57285 |
| 4/27/2025 | 2:00:00 PM | 33.71761 | 60.12641 | 26.4088 | 21.3212 | 47.54462 | 13.82701 | 24.82299 | 48.92978 | 15.21217 | 24.13783 | 41.37724 | 7.65963 | 22.15037 | 44.34854 | 10.63093 | 55.57907 |
| 4/27/2025 | 3:00:00 PM | 33.73099 | 60.13712 | 26.40613 | 21.32387 | 47.55469 | 13.8237 | 24.8263 | 48.94047 | 15.20948 | 24.14052 | 41.39155 | 7.66056 | 22.14944 | 44.34497 | 10.61398 | 55.59602 |
| 4/27/2025 | 4:00:00 PM | 33.73433 | 60.13712 | 26.40279 | 21.32721 | 47.54798 | 13.81365 | 24.83635 | 48.9476 | 15.21327 | 24.13673 | 41.39155 | 7.65722 | 22.15278 | 44.34854 | 10.61421 | 55.59579 |
| 4/27/2025 | 5:00:00 PM | 33.74436 | 60.14069 | 26.39633 | 21.33367 | 47.55469 | 13.81033 | 24.83967 | 48.95117 | 15.20681 | 24.14319 | 41.39513 | 7.65077 | 22.15923 | 44.35212 | 10.60776 | 55.60224 |
| 4/27/2025 | 6:00:00 PM | 33.7544 | 60.15855 | 26.40415 | 21.32585 | 47.56475 | 13.81035 | 24.83965 | 48.96186 | 15.20746 | 24.14254 | 41.40586 | 7.65146 | 22.15854 | 44.36284 | 10.60844 | 55.60156 |
| 4/27/2025 | 7:00:00 PM | 33.7544 | 60.16926 | 26.41486 | 21.31514 | 47.5681 | 13.8137 | 24.8363 | 48.97256 | 15.21816 | 24.13184 | 41.42018 | 7.66578 | 22.14422 | 44.37713 | 10.62273 | 55.58727 |
| 4/27/2025 | 8:00:00 PM | 33.75105 | 60.18354 | 26.43249 | 21.29751 | 47.58487 | 13.83382 | 24.81618 | 48.98682 | 15.23577 | 24.11423 | 41.42733 | 7.67628 | 22.13372 | 44.38071 | 10.62966 | 55.58034 |
| 4/27/2025 | 9:00:00 PM | 33.74771 | 60.2014 | 26.45369 | 21.27631 | 47.60164 | 13.85393 | 24.79607 | 49.00465 | 15.25694 | 24.09306 | 41.44522 | 7.69751 | 22.11249 | 44.40572 | 10.65801 | 55.55199 |
| 4/27/2025 | 10:00:00 PM | 33.75774 | 60.22639 | 26.46865 | 21.26135 | 47.62847 | 13.87073 | 24.77927 | 49.03317 | 15.27543 | 24.07457 | 41.45238 | 7.69464 | 22.11536 | 44.41645 | 10.65871 | 55.55129 |
| 4/27/2025 | 11:00:00 PM | 33.76443 | 60.24068 | 26.47625 | 21.25375 | 47.64524 | 13.88081 | 24.76919 | 49.04743 | 15.283 | 24.067 | 41.46669 | 7.70226 | 22.10774 | 44.41645 | 10.65202 | 55.55798 |
| 4/28/2025 | 12:00:00 AM | 33.76777 | 60.24782 | 26.48005 | 21.24995 | 47.66536 | 13.89759 | 24.75241 | 49.06526 | 15.29749 | 24.05251 | 41.47026 | 7.70249 | 22.10751 | 44.42359 | 10.65582 | 55.55418 |
| 4/28/2025 | 1:00:00 AM | 33.77446 | 60.26567 | 26.49121 | 21.23879 | 47.68884 | 13.91438 | 24.73562 | 49.07952 | 15.30506 | 24.04494 | 41.481 | 7.70654 | 22.10346 | 44.43074 | 10.65628 | 55.55372 |
| 4/28/2025 | 2:00:00 AM | 33.77112 | 60.2621 | 26.49098 | 21.23902 | 47.6989 | 13.92778 | 24.72222 | 49.08308 | 15.31196 | 24.03804 | 41.481 | 7.70988 | 22.10012 | 44.42717 | 10.65605 | 55.55395 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/28/2025 | 3:00:00 AM | 33.77112 | 60.26924 | 26.49812 | 21.23188 | 47.70561 | 13.93449 | 24.71551 | 49.09734 | 15.32622 | 24.02378 | 41.48815 | 7.71703 | 22.09297 | 44.42002 | 10.6489 | 55.5611 |
| 4/28/2025 | 4:00:00 AM | 33.7778 | 60.2871 | 26.5093 | 21.2207 | 47.72573 | 13.94793 | 24.70207 | 49.10447 | 15.32667 | 24.02333 | 41.49531 | 7.71751 | 22.09249 | 44.42359 | 10.64579 | 55.56421 |
| 4/28/2025 | 5:00:00 AM | 33.77446 | 60.28353 | 26.50907 | 21.22093 | 47.72573 | 13.95127 | 24.69873 | 49.09378 | 15.31932 | 24.03068 | 41.48815 | 7.71369 | 22.09631 | 44.42002 | 10.64556 | 55.56444 |
| 4/28/2025 | 6:00:00 AM | 33.7778 | 60.29781 | 26.52001 | 21.20999 | 47.72573 | 13.94793 | 24.70207 | 49.10091 | 15.32311 | 24.02689 | 41.50246 | 7.72466 | 22.08534 | 44.41645 | 10.63865 | 55.57135 |
| 4/28/2025 | 7:00:00 AM | 33.79787 | 60.31209 | 26.51422 | 21.21578 | 47.75592 | 13.95805 | 24.69195 | 49.11874 | 15.32087 | 24.02913 | 41.52035 | 7.72248 | 22.08752 | 44.43074 | 10.63287 | 55.57713 |
| 4/28/2025 | 8:00:00 AM | 33.81124 | 60.32281 | 26.51157 | 21.21843 | 47.76933 | 13.95809 | 24.69191 | 49.13656 | 15.32532 | 24.02468 | 41.53466 | 7.72342 | 22.08658 | 44.43431 | 10.62307 | 55.58693 |
| 4/28/2025 | 9:00:00 AM | 33.81793 | 60.32638 | 26.50845 | 21.22155 | 47.7794 | 13.96147 | 24.68853 | 49.133 | 15.31507 | 24.03493 | 41.53109 | 7.71316 | 22.09684 | 44.43789 | 10.61996 | 55.59004 |
| 4/28/2025 | 10:00:00 AM | 33.82796 | 60.34423 | 26.51627 | 21.21373 | 47.78275 | 13.95479 | 24.69521 | 49.15082 | 15.32286 | 24.02714 | 41.5454 | 7.71744 | 22.09256 | 44.43074 | 10.60278 | 55.60722 |
| 4/28/2025 | 11:00:00 AM | 33.82128 | 60.34066 | 26.51938 | 21.21062 | 47.78946 | 13.96818 | 24.68182 | 49.15082 | 15.32954 | 24.02046 | 41.5454 | 7.72412 | 22.08588 | 44.43431 | 10.61303 | 55.59697 |
| 4/28/2025 | 12:00:00 PM | 33.84134 | 60.3478 | 26.50646 | 21.22354 | 47.79617 | 13.95483 | 24.69517 | 49.15082 | 15.30948 | 24.04052 | 41.56329 | 7.72195 | 22.08805 | 44.43431 | 10.59297 | 55.61703 |
| 4/28/2025 | 1:00:00 PM | 33.84468 | 60.3478 | 26.50312 | 21.22688 | 47.79281 | 13.94813 | 24.70187 | 49.14726 | 15.30258 | 24.04742 | 41.55613 | 7.71145 | 22.09855 | 44.43074 | 10.58606 | 55.62394 |
| 4/28/2025 | 2:00:00 PM | 33.84468 | 60.3478 | 26.50312 | 21.22688 | 47.79281 | 13.94813 | 24.70187 | 49.15082 | 15.30614 | 24.04386 | 41.56329 | 7.71861 | 22.09139 | 44.42717 | 10.58249 | 55.62751 |
| 4/28/2025 | 3:00:00 PM | 33.84134 | 60.3478 | 26.50646 | 21.22354 | 47.79952 | 13.95818 | 24.69182 | 49.14726 | 15.30592 | 24.04408 | 41.56687 | 7.72553 | 22.08447 | 44.42717 | 10.58583 | 55.62417 |
| 4/28/2025 | 4:00:00 PM | 33.85137 | 60.34066 | 26.48929 | 21.24071 | 47.77604 | 13.92467 | 24.72533 | 49.12943 | 15.27806 | 24.07194 | 41.56687 | 7.7155 | 22.0945 | 44.41287 | 10.5615 | 55.6485 |
| 4/28/2025 | 5:00:00 PM | 33.84134 | 60.33709 | 26.49575 | 21.23425 | 47.76263 | 13.92129 | 24.72871 | 49.1223 | 15.28096 | 24.06904 | 41.56687 | 7.72553 | 22.08447 | 44.41645 | 10.57511 | 55.63489 |
| 4/28/2025 | 6:00:00 PM | 33.84134 | 60.34066 | 26.49932 | 21.23068 | 47.76263 | 13.92129 | 24.72871 | 49.1223 | 15.28096 | 24.06904 | 41.5776 | 7.73626 | 22.07374 | 44.41645 | 10.57511 | 55.63489 |
| 4/28/2025 | 7:00:00 PM | 33.83131 | 60.32281 | 26.4915 | 21.2385 | 47.74586 | 13.91455 | 24.73545 | 49.10804 | 15.27673 | 24.07327 | 41.56687 | 7.73556 | 22.07444 | 44.4093 | 10.57799 | 55.63201 |
| 4/28/2025 | 8:00:00 PM | 33.82462 | 60.31924 | 26.49462 | 21.23538 | 47.73915 | 13.91453 | 24.73547 | 49.09734 | 15.27272 | 24.07728 | 41.57044 | 7.74582 | 22.06418 | 44.40572 | 10.5811 | 55.6289 |
| 4/28/2025 | 9:00:00 PM | 33.81793 | 60.32638 | 26.50845 | 21.22155 | 47.73244 | 13.91451 | 24.73549 | 49.10804 | 15.29011 | 24.05989 | 41.57402 | 7.75609 | 22.05391 | 44.41287 | 10.59494 | 55.61506 |
| 4/28/2025 | 10:00:00 PM | 33.8079 | 60.32638 | 26.51848 | 21.21152 | 47.72909 | 13.92119 | 24.72881 | 49.09021 | 15.28231 | 24.06769 | 41.5776 | 7.7697 | 22.0403 | 44.41287 | 10.60497 | 55.60503 |
| 4/28/2025 | 11:00:00 PM | 33.80121 | 60.32995 | 26.52874 | 21.20126 | 47.73244 | 13.93123 | 24.71877 | 49.09021 | 15.289 | 24.061 | 41.57402 | 7.77281 | 22.03719 | 44.41287 | 10.61166 | 55.59834 |
| 4/29/2025 | 12:00:00 AM | 33.79787 | 60.31566 | 26.51779 | 21.21221 | 47.71567 | 13.9178 | 24.7322 | 49.07952 | 15.28165 | 24.06835 | 41.57402 | 7.77615 | 22.03385 | 44.4093 | 10.61143 | 55.59857 |
| 4/29/2025 | 1:00:00 AM | 33.79452 | 60.31209 | 26.51757 | 21.21243 | 47.71903 | 13.92451 | 24.72549 | 49.07595 | 15.28143 | 24.06857 | 41.57044 | 7.77592 | 22.03408 | 44.41287 | 10.61835 | 55.59165 |
| 4/29/2025 | 2:00:00 AM | 33.79118 | 60.30852 | 26.51734 | 21.21266 | 47.71567 | 13.92449 | 24.72551 | 49.06526 | 15.27408 | 24.07592 | 41.56687 | 7.77569 | 22.03431 | 44.4093 | 10.61812 | 55.59188 |
| 4/29/2025 | 3:00:00 AM | 33.78449 | 60.30138 | 26.51689 | 21.21311 | 47.71567 | 13.93118 | 24.71882 | 49.05813 | 15.27364 | 24.07636 | 41.56687 | 7.78238 | 22.02762 | 44.39858 | 10.61409 | 55.59591 |
| 4/29/2025 | 4:00:00 AM | 33.78449 | 60.30495 | 26.52046 | 21.20954 | 47.70896 | 13.92447 | 24.72553 | 49.05456 | 15.27007 | 24.07993 | 41.56687 | 7.78238 | 22.02762 | 44.40572 | 10.62123 | 55.58877 |
| 4/29/2025 | 5:00:00 AM | 33.78784 | 60.31566 | 26.52782 | 21.20218 | 47.72238 | 13.93454 | 24.71546 | 49.05813 | 15.27029 | 24.07971 | 41.57044 | 7.7826 | 22.0274 | 44.4093 | 10.62146 | 55.58854 |
| 4/29/2025 | 6:00:00 AM | 33.78784 | 60.30138 | 26.51354 | 21.21646 | 47.72238 | 13.93454 | 24.71546 | 49.05456 | 15.26672 | 24.08328 | 41.57044 | 7.7826 | 22.0274 | 44.42359 | 10.63575 | 55.57425 |
| 4/29/2025 | 7:00:00 AM | 33.78115 | 60.30852 | 26.52737 | 21.20263 | 47.73244 | 13.95129 | 24.69871 | 49.06169 | 15.28054 | 24.06946 | 41.5776 | 7.79645 | 22.01355 | 44.42717 | 10.64602 | 55.56398 |
| 4/29/2025 | 8:00:00 AM | 33.78784 | 60.31566 | 26.52782 | 21.20218 | 47.73244 | 13.9446 | 24.7054 | 49.06526 | 15.27742 | 24.07258 | 41.5776 | 7.78976 | 22.02024 | 44.44861 | 10.66077 | 55.54923 |
| 4/29/2025 | 9:00:00 AM | 33.80121 | 60.32281 | 26.5216 | 21.2084 | 47.74921 | 13.948 | 24.702 | 49.08308 | 15.28187 | 24.06813 | 41.59191 | 7.7907 | 22.0193 | 44.44861 | 10.6474 | 55.5626 |
| 4/29/2025 | 10:00:00 AM | 33.76443 | 60.32638 | 26.56195 | 21.16805 | 47.75927 | 13.99484 | 24.65516 | 49.08308 | 15.31865 | 24.03135 | 41.58118 | 7.81675 | 21.99325 | 44.45218 | 10.68775 | 55.52225 |
| 4/29/2025 | 11:00:00 AM | 33.7544 | 60.32281 | 26.56841 | 21.16159 | 47.75927 | 14.00487 | 24.64513 | 49.07595 | 15.32155 | 24.02845 | 41.58118 | 7.82678 | 21.98322 | 44.44504 | 10.69064 | 55.51936 |
| 4/29/2025 | 12:00:00 PM | 33.76108 | 60.32638 | 26.5653 | 21.1647 | 47.76933 | 14.00825 | 24.64175 | 49.09378 | 15.3327 | 24.0173 | 41.58833 | 7.82725 | 21.98275 | 44.45933 | 10.69825 | 55.51175 |
| 4/29/2025 | 1:00:00 PM | 33.76777 | 60.32281 | 26.55504 | 21.17496 | 47.76598 | 13.99821 | 24.65179 | 49.09021 | 15.32244 | 24.02756 | 41.5776 | 7.80983 | 22.00017 | 44.45576 | 10.68799 | 55.52201 |
| 4/29/2025 | 2:00:00 PM | 33.76443 | 60.32281 | 26.55838 | 21.17162 | 47.76933 | 14.0049 | 24.6451 | 49.08308 | 15.31865 | 24.03135 | 41.57402 | 7.80959 | 22.00041 | 44.44861 | 10.68418 | 55.52582 |
| 4/29/2025 | 3:00:00 PM | 33.76443 | 60.31924 | 26.55481 | 21.17519 | 47.77269 | 14.00826 | 24.64174 | 49.08665 | 15.32222 | 24.02778 | 41.58118 | 7.81675 | 21.99325 | 44.45576 | 10.69133 | 55.51867 |
| 4/29/2025 | 4:00:00 PM | 33.77112 | 60.32638 | 26.55526 | 21.17474 | 47.77269 | 14.00157 | 24.64843 | 49.09378 | 15.32266 | 24.02734 | 41.58475 | 7.81363 | 21.99637 | 44.44861 | 10.67749 | 55.53251 |
| 4/29/2025 | 5:00:00 PM | 33.77446 | 60.33709 | 26.56263 | 21.16737 | 47.78946 | 14.015 | 24.635 | 49.1116 | 15.33714 | 24.01286 | 41.59907 | 7.82461 | 21.98539 | 44.46291 | 10.68845 | 55.52155 |
| 4/29/2025 | 6:00:00 PM | 33.76777 | 60.32995 | 26.56218 | 21.16782 | 47.7861 | 14.01833 | 24.63167 | 49.10447 | 15.3367 | 24.0133 | 41.59549 | 7.82772 | 21.98228 | 44.47363 | 10.70586 | 55.50414 |
| 4/29/2025 | 7:00:00 PM | 33.77112 | 60.32638 | 26.55526 | 21.17474 | 47.78946 | 14.01834 | 24.63166 | 49.10804 | 15.33692 | 24.01308 | 41.59191 | 7.82079 | 21.98921 | 44.47005 | 10.69893 | 55.51107 |
| 4/29/2025 | 8:00:00 PM | 33.77112 | 60.33709 | 26.56597 | 21.16403 | 47.78946 | 14.01834 | 24.63166 | 49.1116 | 15.34048 | 24.00952 | 41.59549 | 7.82437 | 21.98563 | 44.47363 | 10.70251 | 55.50749 |
| 4/29/2025 | 9:00:00 PM | 33.76777 | 60.35851 | 26.59074 | 21.13926 | 47.79952 | 14.03175 | 24.61825 | 49.133 | 15.36523 | 23.98477 | 41.6098 | 7.84203 | 21.96797 | 44.49865 | 10.73088 | 55.47912 |
| 4/29/2025 | 10:00:00 PM | 33.78115 | 60.36209 | 26.58094 | 21.14906 | 47.81629 | 14.03514 | 24.61486 | 49.14013 | 15.35898 | 23.99102 | 41.60264 | 7.82149 | 21.98851 | 44.49865 | 10.7175 | 55.4925 |
| 4/29/2025 | 11:00:00 PM | 33.7778 | 60.36566 | 26.58786 | 21.14214 | 47.81629 | 14.03849 | 24.61151 | 49.14369 | 15.36589 | 23.98411 | 41.61338 | 7.83558 | 21.97442 | 44.49865 | 10.72085 | 55.48915 |
| 4/30/2025 | 12:00:00 AM | 33.77112 | 60.36209 | 26.59097 | 21.13903 | 47.81964 | 14.04852 | 24.60148 | 49.15082 | 15.3797 | 23.9703 | 41.60264 | 7.83152 | 21.97848 | 44.50222 | 10.7311 | 55.4789 |
| 4/30/2025 | 1:00:00 AM | 33.78784 | 60.36923 | 26.58139 | 21.14861 | 47.81964 | 14.0318 | 24.6182 | 49.14013 | 15.35229 | 23.99771 | 41.60264 | 7.8148 | 21.9952 | 44.49865 | 10.71081 | 55.49919 |
| 4/30/2025 | 2:00:00 AM | 33.79118 | 60.36209 | 26.57091 | 21.15909 | 47.823 | 14.03182 | 24.61818 | 49.14369 | 15.35251 | 23.99749 | 41.60622 | 7.81504 | 21.99496 | 44.49507 | 10.70389 | 55.50611 |
| 4/30/2025 | 3:00:00 AM | 33.7778 | 60.35851 | 26.58071 | 21.14929 | 47.81629 | 14.03849 | 24.61151 | 49.133 | 15.3552 | 23.9948 | 41.60264 | 7.82484 | 21.98516 | 44.48435 | 10.70655 | 55.50345 |
| 4/30/2025 | 4:00:00 AM | 33.77112 | 60.3478 | 26.57668 | 21.15332 | 47.81293 | 14.04181 | 24.60819 | 49.13656 | 15.36544 | 23.98456 | 41.59907 | 7.82795 | 21.98205 | 44.48078 | 10.70966 | 55.50034 |
| 4/30/2025 | 5:00:00 AM | 33.76777 | 60.35851 | 26.59074 | 21.13926 | 47.80958 | 14.04181 | 24.60819 | 49.12587 | 15.3581 | 23.9919 | 41.61338 | 7.84561 | 21.96439 | 44.48435 | 10.71658 | 55.49342 |
| 4/30/2025 | 6:00:00 AM | 33.78115 | 60.36209 | 26.58094 | 21.14906 | 47.823 | 14.04185 | 24.60815 | 49.14013 | 15.35898 | 23.99102 | 41.62053 | 7.83938 | 21.97062 | 44.49865 | 10.7175 | 55.4925 |
| 4/30/2025 | 7:00:00 AM | 33.79452 | 60.36923 | 26.57471 | 21.15529 | 47.83306 | 14.03854 | 24.61146 | 49.14726 | 15.35274 | 23.99726 | 41.62411 | 7.82959 | 21.98041 | 44.50222 | 10.7077 | 55.5023 |
| 4/30/2025 | 8:00:00 AM | 33.79787 | 60.37637 | 26.5785 | 21.1515 | 47.83641 | 14.03854 | 24.61146 | 49.15795 | 15.36008 | 23.98992 | 41.63127 | 7.8334 | 21.9766 | 44.50222 | 10.70435 | 55.50565 |
| 4/30/2025 | 9:00:00 AM | 33.80456 | 60.37637 | 26.57181 | 21.15819 | 47.8297 | 14.02514 | 24.62486 | 49.15082 | 15.34626 | 24.00374 | 41.62053 | 7.81597 | 21.99403 | 44.50222 | 10.69766 | 55.51234 |
| 4/30/2025 | 10:00:00 AM | 33.80456 | 60.36566 | 26.5611 | 21.1689 | 47.81964 | 14.01508 | 24.63492 | 49.14013 | 15.33557 | 24.01443 | 41.61695 | 7.81239 | 21.99761 | 44.49507 | 10.69051 | 55.51949 |
| 4/30/2025 | 11:00:00 AM | 33.8079 | 60.35494 | 26.54704 | 21.18296 | 47.80958 | 14.00168 | 24.64832 | 49.12943 | 15.32153 | 24.02847 | 41.6098 | 7.8019 | 22.0081 | 44.4772 | 10.6693 | 55.5407 |
| 4/30/2025 | 12:00:00 PM | 33.82128 | 60.34066 | 26.51938 | 21.21062 | 47.79617 | 13.97489 | 24.67511 | 49.10804 | 15.28676 | 24.06324 | 41.60622 | 7.78494 | 22.02506 | 44.46648 | 10.6452 | 55.5648 |
| 4/30/2025 | 1:00:00 PM | 33.82462 | 60.32638 | 26.50176 | 21.22824 | 47.78275 | 13.95813 | 24.69187 | 49.09734 | 15.27272 | 24.07728 | 41.60264 | 7.77802 | 22.03198 | 44.46291 | 10.63829 | 55.57171 |
| 4/30/2025 | 2:00:00 PM | 33.88147 | 60.31566 | 26.43419 | 21.29581 | 47.75927 | 13.8778 | 24.7722 | 49.08308 | 15.20161 | 24.14839 | 41.60622 | 7.72475 | 22.08525 | 44.45576 | 10.57429 | 55.63571 |
| 4/30/2025 | 3:00:00 PM | 33.87478 | 60.31209 | 26.43731 | 21.29269 | 47.7425 | 13.86772 | 24.78228 | 49.06882 | 15.19404 | 24.15596 | 41.59549 | 7.72071 | 22.08929 | 44.45933 | 10.58455 | 55.62545 |
| 4/30/2025 | 4:00:00 PM | 33.85137 | 60.29067 | 26.4393 | 21.2907 | 47.70896 | 13.85759 | 24.79241 | 49.04743 | 15.19606 | 24.15394 | 41.58833 | 7.73696 | 22.07304 | 44.43074 | 10.57937 | 55.63063 |
| 4/30/2025 | 5:00:00 PM | 33.84803 | 60.27638 | 26.42835 | 21.30165 | 47.68549 | 13.83746 | 24.81254 | 49.02604 | 15.17801 | 24.17199 | 41.58118 | 7.73315 | 22.07685 | 44.43074 | 10.58271 | 55.62729 |
| 4/30/2025 | 6:00:00 PM | 33.838 | 60.2621 | 26.4241 | 21.3059 | 47.66201 | 13.82401 | 24.82599 | 49.01534 | 15.17734 | 24.17266 | 41.57044 | 7.73244 | 22.07756 | 44.43074 | 10.59274 | 55.61726 |
| 4/30/2025 | 7:00:00 PM | 33.83465 | 60.2621 | 26.42745 | 21.30255 | 47.65866 | 13.82401 | 24.82599 | 49.01178 | 15.17713 | 24.17287 | 41.57402 | 7.73937 | 22.07063 | 44.44504 | 10.61039 | 55.59961 |
| 4/30/2025 | 8:00:00 PM | 33.82462 | 60.27281 | 26.44819 | 21.28181 | 47.66201 | 13.83739 | 24.81261 | 49.01891 | 15.19429 | 24.15571 | 41.58475 | 7.76013 | 22.04987 | 44.46291 | 10.63829 | 55.57171 |
| 4/30/2025 | 9:00:00 PM | 33.81459 | 60.28353 | 26.46894 | 21.26106 | 47.66536 | 13.85077 | 24.79923 | 49.01891 | 15.20432 | 24.14568 | 41.59191 | 7.77732 | 22.03268 | 44.4772 | 10.66261 | 55.54739 |
| 4/30/2025 | 10:00:00 PM | 33.80121 | 60.2871 | 26.48589 | 21.24411 | 47.66536 | 13.86415 | 24.78585 | 49.02604 | 15.22483 | 24.12517 | 41.58118 | 7.77997 | 22.03003 | 44.48792 | 10.68671 | 55.52329 |
| 4/30/2025 | 11:00:00 PM | 33.78449 | 60.27996 | 26.49547 | 21.23453 | 47.65195 | 13.86746 | 24.78254 | 49.01534 | 15.23085 | 24.11915 | 41.5776 | 7.79311 | 22.01689 | 44.4772 | 10.69271 | 55.51729 |
| 5/1/2025 | 12:00:00 AM | 33.77446 | 60.26567 | 26.49121 | 21.23879 | 47.64859 | 13.87413 | 24.77587 | 49.00465 | 15.23019 | 24.11981 | 41.56687 | 7.79241 | 22.01759 | 44.47005 | 10.69559 | 55.51441 |
| 5/1/2025 | 1:00:00 AM | 33.76443 | 60.25853 | 26.4941 | 21.2359 | 47.63853 | 13.8741 | 24.7759 | 49.00465 | 15.24022 | 24.10978 | 41.57044 | 7.80601 | 22.00399 | 44.47363 | 10.7092 | 55.5008 |
| 5/1/2025 | 2:00:00 AM | 33.75105 | 60.25853 | 26.50748 | 21.22252 | 47.63853 | 13.88748 | 24.76252 | 48.99039 | 15.23934 | 24.11066 | 41.55971 | 7.80866 | 22.00134 | 44.47005 | 10.719 | 55.491 |
| 5/1/2025 | 3:00:00 AM | 33.74436 | 60.24782 | 26.50346 | 21.22654 | 47.63182 | 13.88746 | 24.76254 | 48.98682 | 15.24246 | 24.10754 | 41.56329 | 7.81893 | 21.99107 | 44.45933 | 10.71497 | 55.49503 |
| 5/1/2025 | 4:00:00 AM | 33.73768 | 60.24425 | 26.50657 | 21.22343 | 47.63518 | 13.8975 | 24.7525 | 48.98326 | 15.24558 | 24.10442 | 41.54898 | 7.8113 | 21.9987 | 44.46648 | 10.7288 | 55.4812 |
| 5/1/2025 | 5:00:00 AM | 33.73099 | 60.24068 | 26.50969 | 21.22031 | 47.62847 | 13.89748 | 24.75252 | 48.97612 | 15.24513 | 24.10487 | 41.55613 | 7.82514 | 21.98486 | 44.46291 | 10.73192 | 55.47808 |
| 5/1/2025 | 6:00:00 AM | 33.72096 | 60.23711 | 26.51615 | 21.21385 | 47.62176 | 13.9008 | 24.7492 | 48.9583 | 15.23734 | 24.11266 | 41.53824 | 7.81728 | 21.99272 | 44.45933 | 10.73837 | 55.47163 |
| 5/1/2025 | 7:00:00 AM | 33.71427 | 60.21568 | 26.50141 | 21.22859 | 47.6117 | 13.89743 | 24.75257 | 48.95117 | 15.2369 | 24.1131 | 41.53824 | 7.82397 | 21.98603 | 44.45933 | 10.74506 | 55.46494 |
| 5/1/2025 | 8:00:00 AM | 33.71427 | 60.22282 | 26.50855 | 21.22145 | 47.60835 | 13.89408 | 24.75592 | 48.9583 | 15.24403 | 24.10597 | 41.53109 | 7.81682 | 21.99318 | 44.45218 | 10.73791 | 55.47209 |
| 5/1/2025 | 9:00:00 AM | 33.70758 | 60.20854 | 26.50096 | 21.22904 | 47.58822 | 13.88064 | 24.76936 | 48.92621 | 15.21863 | 24.13137 | 41.5132 | 7.80562 | 22.00438 | 44.43789 | 10.73031 | 55.47969 |
| 5/1/2025 | 10:00:00 AM | 33.71092 | 60.18711 | 26.47619 | 21.25381 | 47.56475 | 13.85383 | 24.79617 | 48.91552 | 15.2046 | 24.1454 | 41.50604 | 7.79512 | 22.01488 | 44.43431 | 10.72339 | 55.48661 |
| 5/1/2025 | 11:00:00 AM | 33.71761 | 60.17997 | 26.46236 | 21.26764 | 47.55804 | 13.84043 | 24.80957 | 48.90125 | 15.18364 | 24.16636 | 41.49889 | 7.78128 | 22.02872 | 44.42717 | 10.70956 | 55.50044 |
| 5/1/2025 | 12:00:00 PM | 33.72764 | 60.15855 | 26.43091 | 21.29909 | 47.54127 | 13.81363 | 24.83637 | 48.87986 | 15.15222 | 24.19778 | 41.49173 | 7.76409 | 22.04591 | 44.41645 | 10.68881 | 55.52119 |
| 5/1/2025 | 1:00:00 PM | 33.73768 | 60.14069 | 26.40301 | 21.32699 | 47.51779 | 13.78011 | 24.86989 | 48.85847 | 15.12079 | 24.22921 | 41.47742 | 7.73974 | 22.07026 | 44.40572 | 10.66804 | 55.54196 |
| 5/1/2025 | 2:00:00 PM | 33.82462 | 60.12284 | 26.29822 | 21.43178 | 47.48425 | 13.65963 | 24.99037 | 48.84064 | 15.01602 | 24.33398 | 41.47384 | 7.64922 | 22.16078 | 44.39858 | 10.57396 | 55.63604 |
| 5/1/2025 | 3:00:00 PM | 33.80456 | 60.10498 | 26.30042 | 21.42958 | 47.45407 | 13.64951 | 25.00049 | 48.80856 | 15.004 | 24.346 | 41.45595 | 7.65139 | 22.15861 | 44.38785 | 10.58329 | 55.62671 |
| 5/1/2025 | 4:00:00 PM | 33.78115 | 60.07999 | 26.29884 | 21.43116 | 47.42053 | 13.63938 | 25.01062 | 48.78003 | 14.99888 | 24.35112 | 41.43806 | 7.65691 | 22.15309 | 44.36284 | 10.58169 | 55.62831 |
| 5/1/2025 | 5:00:00 PM | 33.77112 | 60.05499 | 26.28387 | 21.44613 | 47.38364 | 13.61252 | 25.03748 | 48.75508 | 14.98396 | 24.36604 | 41.42375 | 7.65263 | 22.15737 | 44.35926 | 10.58814 | 55.62186 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/1/2025 | 6:00:00 PM | 33.76443 | 60.04071 | 26.27628 | 21.45372 | 47.36016 | 13.59573 | 25.05427 | 48.73725 | 14.97282 | 24.37718 | 41.4166 | 7.65217 | 22.15783 | 44.35926 | 10.59483 | 55.61517 |
| 5/1/2025 | 7:00:00 PM | 33.75105 | 60.02642 | 26.27537 | 21.45463 | 47.33668 | 13.58563 | 25.06437 | 48.71586 | 14.96481 | 24.38519 | 41.40229 | 7.65124 | 22.15876 | 44.35926 | 10.60821 | 55.60179 |
| 5/1/2025 | 8:00:00 PM | 33.74436 | 60.02642 | 26.28206 | 21.44794 | 47.31991 | 13.57555 | 25.07445 | 48.71229 | 14.96793 | 24.38207 | 41.40944 | 7.66508 | 22.14492 | 44.36998 | 10.62562 | 55.58438 |
| 5/1/2025 | 9:00:00 PM | 33.72764 | 60.02642 | 26.29878 | 21.43122 | 47.31991 | 13.59227 | 25.05773 | 48.71229 | 14.98465 | 24.36535 | 41.40229 | 7.67465 | 22.13535 | 44.38428 | 10.65664 | 55.55336 |
| 5/1/2025 | 10:00:00 PM | 33.71761 | 60.02642 | 26.30881 | 21.42119 | 47.32327 | 13.60566 | 25.04434 | 48.71229 | 14.99468 | 24.35532 | 41.40944 | 7.69183 | 22.11817 | 44.39858 | 10.68097 | 55.52903 |
| 5/1/2025 | 11:00:00 PM | 33.71092 | 60.02999 | 26.31907 | 21.41093 | 47.31991 | 13.60899 | 25.04101 | 48.71229 | 15.00137 | 24.34863 | 41.39513 | 7.68421 | 22.12579 | 44.40215 | 10.69123 | 55.51877 |
| 5/2/2025 | 12:00:00 AM | 33.6942 | 60.01214 | 26.31794 | 21.41206 | 47.30985 | 13.61565 | 25.03435 | 48.69803 | 15.00383 | 24.34617 | 41.37724 | 7.68304 | 22.12696 | 44.395 | 10.7008 | 55.5092 |
| 5/2/2025 | 1:00:00 AM | 33.68752 | 60.01571 | 26.32819 | 21.40181 | 47.30985 | 13.62233 | 25.02767 | 48.68734 | 14.99982 | 24.35018 | 41.37724 | 7.68972 | 22.12028 | 44.39143 | 10.70391 | 55.50609 |
| 5/2/2025 | 2:00:00 AM | 33.68083 | 60.01214 | 26.33131 | 21.39869 | 47.3065 | 13.62567 | 25.02433 | 48.68734 | 15.00651 | 24.34349 | 41.37009 | 7.68926 | 22.12074 | 44.39143 | 10.7106 | 55.4994 |
| 5/2/2025 | 3:00:00 AM | 33.6708 | 59.99786 | 26.32706 | 21.40294 | 47.30314 | 13.63234 | 25.01766 | 48.67664 | 15.00584 | 24.34416 | 41.35935 | 7.68855 | 22.12145 | 44.38785 | 10.71705 | 55.49295 |
| 5/2/2025 | 4:00:00 AM | 33.66745 | 60.005 | 26.33755 | 21.39245 | 47.31656 | 13.64911 | 25.00089 | 48.68734 | 15.01989 | 24.33011 | 41.36293 | 7.69548 | 22.11452 | 44.39858 | 10.73113 | 55.47887 |
| 5/2/2025 | 5:00:00 AM | 33.66745 | 60.02642 | 26.35897 | 21.37103 | 47.34674 | 13.67929 | 24.97071 | 48.71586 | 15.04841 | 24.30159 | 41.37366 | 7.70621 | 22.10379 | 44.42717 | 10.75972 | 55.45028 |
| 5/2/2025 | 6:00:00 AM | 33.66745 | 60.02642 | 26.35897 | 21.37103 | 47.35681 | 13.68936 | 24.96064 | 48.71943 | 15.05198 | 24.29802 | 41.36293 | 7.69548 | 22.11452 | 44.43431 | 10.76686 | 55.44314 |
| 5/2/2025 | 7:00:00 AM | 33.66745 | 60.04071 | 26.37326 | 21.35674 | 47.37693 | 13.70948 | 24.94052 | 48.73369 | 15.06624 | 24.28376 | 41.35935 | 7.6919 | 22.1181 | 44.43789 | 10.77044 | 55.43956 |
| 5/2/2025 | 8:00:00 AM | 33.6708 | 60.03714 | 26.36634 | 21.36366 | 47.37693 | 13.70613 | 24.94387 | 48.73725 | 15.06645 | 24.28355 | 41.3522 | 7.6814 | 22.1286 | 44.43789 | 10.76709 | 55.44291 |
| 5/2/2025 | 9:00:00 AM | 33.68083 | 60.02642 | 26.34559 | 21.38441 | 47.37693 | 13.6961 | 24.9539 | 48.73369 | 15.05286 | 24.29714 | 41.34504 | 7.66421 | 22.14579 | 44.42002 | 10.73919 | 55.47081 |
| 5/2/2025 | 10:00:00 AM | 33.68417 | 60.01571 | 26.33154 | 21.39846 | 47.36687 | 13.6827 | 24.9673 | 48.71943 | 15.03526 | 24.31474 | 41.33431 | 7.65014 | 22.15986 | 44.4093 | 10.72513 | 55.48487 |
| 5/2/2025 | 11:00:00 AM | 33.68083 | 60.00857 | 26.32774 | 21.40226 | 47.37022 | 13.68939 | 24.96061 | 48.72299 | 15.04216 | 24.30784 | 41.33789 | 7.65706 | 22.15294 | 44.41287 | 10.73204 | 55.47796 |
| 5/2/2025 | 12:00:00 PM | 33.68752 | 59.99786 | 26.31034 | 21.41966 | 47.35681 | 13.66929 | 24.98071 | 48.70516 | 15.01764 | 24.33236 | 41.32357 | 7.63605 | 22.17395 | 44.39858 | 10.71106 | 55.49894 |
| 5/2/2025 | 1:00:00 PM | 33.71092 | 59.99071 | 26.27979 | 21.45021 | 47.34004 | 13.62912 | 25.02088 | 48.69447 | 14.98355 | 24.36645 | 41.31642 | 7.6055 | 22.2045 | 44.38785 | 10.67693 | 55.53307 |
| 5/2/2025 | 2:00:00 PM | 33.76777 | 59.99071 | 26.22294 | 21.50706 | 47.33333 | 13.56556 | 25.08444 | 48.6909 | 14.92313 | 24.42687 | 41.31642 | 7.54865 | 22.26135 | 44.38428 | 10.61651 | 55.59349 |
| 5/2/2025 | 3:00:00 PM | 33.77446 | 59.99071 | 26.21625 | 21.51375 | 47.32327 | 13.54881 | 25.10119 | 48.68734 | 14.91288 | 24.43712 | 41.32357 | 7.54911 | 22.26089 | 44.39143 | 10.61697 | 55.59303 |
| 5/2/2025 | 4:00:00 PM | 33.77446 | 59.99786 | 26.2234 | 21.5066 | 47.32662 | 13.55216 | 25.09784 | 48.7016 | 14.92714 | 24.42286 | 41.32357 | 7.54911 | 22.26089 | 44.40215 | 10.62769 | 55.58231 |
| 5/2/2025 | 5:00:00 PM | 33.77112 | 60.01571 | 26.24459 | 21.48541 | 47.33668 | 13.56556 | 25.08444 | 48.71586 | 14.94474 | 24.40526 | 41.33073 | 7.55961 | 22.25039 | 44.4093 | 10.63818 | 55.57182 |
| 5/2/2025 | 6:00:00 PM | 33.77112 | 60.01928 | 26.24816 | 21.48184 | 47.3501 | 13.57898 | 25.07102 | 48.73725 | 14.96613 | 24.38387 | 41.34504 | 7.57392 | 22.23608 | 44.43074 | 10.65962 | 55.55038 |
| 5/2/2025 | 7:00:00 PM | 33.7778 | 60.02999 | 26.25219 | 21.47781 | 47.35681 | 13.57901 | 25.07099 | 48.74438 | 14.96658 | 24.38342 | 41.33789 | 7.56009 | 22.24991 | 44.43789 | 10.66009 | 55.54991 |
| 5/2/2025 | 8:00:00 PM | 33.76108 | 60.02999 | 26.26891 | 21.46109 | 47.36687 | 13.60579 | 25.04421 | 48.74438 | 14.9833 | 24.3667 | 41.33789 | 7.57681 | 22.23319 | 44.42717 | 10.66609 | 55.54391 |
| 5/2/2025 | 9:00:00 PM | 33.76443 | 60.05142 | 26.28699 | 21.44301 | 47.38028 | 13.61585 | 25.03415 | 48.76221 | 14.99778 | 24.35222 | 41.34504 | 7.58061 | 22.22939 | 44.44504 | 10.68061 | 55.52939 |
| 5/2/2025 | 10:00:00 PM | 33.76443 | 60.05499 | 26.29056 | 21.43944 | 47.39705 | 13.63262 | 25.01738 | 48.76934 | 15.00491 | 24.34509 | 41.34504 | 7.58061 | 22.22939 | 44.44504 | 10.68061 | 55.52939 |
| 5/2/2025 | 11:00:00 PM | 33.76108 | 60.07999 | 26.31891 | 21.41109 | 47.41382 | 13.65274 | 24.99726 | 48.79073 | 15.02965 | 24.32035 | 41.35935 | 7.59827 | 22.21173 | 44.45933 | 10.69825 | 55.51175 |
| 5/3/2025 | 12:00:00 AM | 33.7544 | 60.07999 | 26.32559 | 21.40441 | 47.42388 | 13.66948 | 24.98052 | 48.80499 | 15.05059 | 24.29941 | 41.35578 | 7.60138 | 22.20862 | 44.44861 | 10.69421 | 55.51579 |
| 5/3/2025 | 1:00:00 AM | 33.74771 | 60.08356 | 26.33585 | 21.39415 | 47.44065 | 13.69294 | 24.95706 | 48.80499 | 15.05728 | 24.29272 | 41.35935 | 7.61164 | 22.19836 | 44.45218 | 10.70447 | 55.50553 |
| 5/3/2025 | 2:00:00 AM | 33.74436 | 60.09427 | 26.34991 | 21.38009 | 47.45742 | 13.71306 | 24.93694 | 48.80856 | 15.0642 | 24.2858 | 41.35935 | 7.61499 | 22.19501 | 44.45218 | 10.70782 | 55.50218 |
| 5/3/2025 | 3:00:00 AM | 33.74102 | 60.10498 | 26.36396 | 21.36604 | 47.47084 | 13.72982 | 24.92018 | 48.82638 | 15.08536 | 24.26464 | 41.36651 | 7.62549 | 22.18451 | 44.45933 | 10.71831 | 55.49169 |
| 5/3/2025 | 4:00:00 AM | 33.74436 | 60.11212 | 26.36776 | 21.36224 | 47.49096 | 13.7466 | 24.9034 | 48.83708 | 15.09272 | 24.25728 | 41.37366 | 7.6293 | 22.1807 | 44.47005 | 10.72569 | 55.48431 |
| 5/3/2025 | 5:00:00 AM | 33.74436 | 60.12284 | 26.37848 | 21.35152 | 47.49767 | 13.75331 | 24.89669 | 48.84777 | 15.10341 | 24.24659 | 41.37724 | 7.63288 | 22.17712 | 44.45576 | 10.7114 | 55.4986 |
| 5/3/2025 | 6:00:00 AM | 33.74771 | 60.13355 | 26.38584 | 21.34416 | 47.52115 | 13.77344 | 24.87656 | 48.8656 | 15.11789 | 24.23211 | 41.38082 | 7.63311 | 22.17689 | 44.4772 | 10.72949 | 55.48051 |
| 5/3/2025 | 7:00:00 AM | 33.74771 | 60.14783 | 26.40012 | 21.32988 | 47.53792 | 13.79021 | 24.85979 | 48.8763 | 15.12859 | 24.22141 | 41.39155 | 7.64384 | 22.16616 | 44.48435 | 10.73664 | 55.47336 |
| 5/3/2025 | 8:00:00 AM | 33.7544 | 60.16569 | 26.41129 | 21.31871 | 47.55469 | 13.80029 | 24.84971 | 48.87986 | 15.12546 | 24.22454 | 41.39513 | 7.64073 | 22.16927 | 44.48078 | 10.72638 | 55.48362 |
| 5/3/2025 | 9:00:00 AM | 33.75774 | 60.16212 | 26.40438 | 21.32562 | 47.56475 | 13.80701 | 24.84299 | 48.89056 | 15.13282 | 24.21718 | 41.39513 | 7.63739 | 22.17261 | 44.47363 | 10.71589 | 55.49411 |
| 5/3/2025 | 10:00:00 AM | 33.76443 | 60.16926 | 26.40483 | 21.32517 | 47.57145 | 13.80702 | 24.84298 | 48.90125 | 15.13682 | 24.21318 | 41.40229 | 7.63786 | 22.17214 | 44.4772 | 10.71277 | 55.49723 |
| 5/3/2025 | 11:00:00 AM | 33.7778 | 60.1764 | 26.3986 | 21.3314 | 47.58822 | 13.81042 | 24.83958 | 48.90838 | 15.13058 | 24.21942 | 41.40586 | 7.62806 | 22.18194 | 44.4772 | 10.6994 | 55.5106 |
| 5/3/2025 | 12:00:00 PM | 33.78784 | 60.18711 | 26.39927 | 21.33073 | 47.59829 | 13.81045 | 24.83955 | 48.90838 | 15.12054 | 24.22946 | 41.4166 | 7.62876 | 22.18124 | 44.4772 | 10.68936 | 55.52064 |
| 5/3/2025 | 1:00:00 PM | 33.79452 | 60.17997 | 26.38545 | 21.34455 | 47.59158 | 13.79706 | 24.85294 | 48.90838 | 15.11386 | 24.23614 | 41.40229 | 7.60777 | 22.20223 | 44.45576 | 10.66124 | 55.54876 |
| 5/3/2025 | 2:00:00 PM | 33.81459 | 60.19068 | 26.37609 | 21.35391 | 47.59493 | 13.78034 | 24.86966 | 48.91552 | 15.10093 | 24.24907 | 41.42733 | 7.61274 | 22.19726 | 44.47005 | 10.65546 | 55.55454 |
| 5/3/2025 | 3:00:00 PM | 33.83131 | 60.18354 | 26.35223 | 21.37777 | 47.59158 | 13.76027 | 24.88973 | 48.91552 | 15.08421 | 24.26579 | 41.42375 | 7.59244 | 22.21756 | 44.45933 | 10.62802 | 55.58198 |
| 5/3/2025 | 4:00:00 PM | 33.82796 | 60.19068 | 26.36272 | 21.36728 | 47.59829 | 13.77033 | 24.87967 | 48.92265 | 15.09469 | 24.25531 | 41.42733 | 7.59937 | 22.21063 | 44.45933 | 10.63137 | 55.57863 |
| 5/3/2025 | 5:00:00 PM | 33.82462 | 60.19425 | 26.36963 | 21.36037 | 47.60164 | 13.77702 | 24.87298 | 48.93691 | 15.11229 | 24.23771 | 41.43449 | 7.60987 | 22.20013 | 44.46291 | 10.63829 | 55.57171 |
| 5/3/2025 | 6:00:00 PM | 33.82462 | 60.20497 | 26.38035 | 21.34965 | 47.59493 | 13.77031 | 24.87969 | 48.93334 | 15.10872 | 24.24128 | 41.43806 | 7.61344 | 22.19656 | 44.46648 | 10.64186 | 55.56814 |
| 5/3/2025 | 7:00:00 PM | 33.81124 | 60.19068 | 26.37944 | 21.35056 | 47.58152 | 13.77028 | 24.87972 | 48.92621 | 15.11497 | 24.23503 | 41.43449 | 7.62325 | 22.18675 | 44.46648 | 10.65524 | 55.55476 |
| 5/3/2025 | 8:00:00 PM | 33.80121 | 60.19425 | 26.39304 | 21.33696 | 47.57481 | 13.7736 | 24.8764 | 48.92621 | 15.125 | 24.225 | 41.43806 | 7.63685 | 22.17315 | 44.45576 | 10.65455 | 55.55545 |
| 5/3/2025 | 9:00:00 PM | 33.79452 | 60.22282 | 26.4283 | 21.3017 | 47.59493 | 13.80041 | 24.84959 | 48.94404 | 15.14952 | 24.20048 | 41.45595 | 7.66143 | 22.14857 | 44.48078 | 10.68626 | 55.52374 |
| 5/3/2025 | 10:00:00 PM | 33.79118 | 60.21925 | 26.42807 | 21.30193 | 47.59493 | 13.80375 | 24.84625 | 48.94404 | 15.15286 | 24.19714 | 41.45953 | 7.66835 | 22.14165 | 44.48792 | 10.69674 | 55.51326 |
| 5/3/2025 | 11:00:00 PM | 33.78115 | 60.22996 | 26.44881 | 21.28119 | 47.59829 | 13.81714 | 24.83286 | 48.9476 | 15.16645 | 24.18355 | 41.45953 | 7.67838 | 22.13162 | 44.48792 | 10.70677 | 55.50323 |
| 5/4/2025 | 12:00:00 AM | 33.78115 | 60.24068 | 26.45953 | 21.27047 | 47.6117 | 13.83055 | 24.81945 | 48.9583 | 15.17715 | 24.17285 | 41.47026 | 7.68911 | 22.12089 | 44.48792 | 10.70677 | 55.50323 |
| 5/4/2025 | 1:00:00 AM | 33.75105 | 60.24782 | 26.49677 | 21.23323 | 47.62176 | 13.87071 | 24.77929 | 48.96899 | 15.21794 | 24.13206 | 41.47384 | 7.72279 | 22.08721 | 44.50222 | 10.75117 | 55.45883 |
| 5/4/2025 | 2:00:00 AM | 33.75105 | 60.25139 | 26.50034 | 21.22966 | 47.63853 | 13.88748 | 24.76252 | 48.96899 | 15.21794 | 24.13206 | 41.48458 | 7.73353 | 22.07647 | 44.49507 | 10.74402 | 55.46598 |
| 5/4/2025 | 3:00:00 AM | 33.7544 | 60.25853 | 26.50413 | 21.22587 | 47.64524 | 13.89084 | 24.75916 | 48.97256 | 15.21816 | 24.13184 | 41.481 | 7.7266 | 22.0834 | 44.50579 | 10.75139 | 55.45861 |
| 5/4/2025 | 4:00:00 AM | 33.75774 | 60.26567 | 26.50793 | 21.22207 | 47.6553 | 13.89756 | 24.75244 | 48.99039 | 15.23265 | 24.11735 | 41.49173 | 7.73399 | 22.07601 | 44.50937 | 10.75163 | 55.45837 |
| 5/4/2025 | 5:00:00 AM | 33.75105 | 60.26924 | 26.51819 | 21.21181 | 47.65866 | 13.90761 | 24.74239 | 48.97969 | 15.22864 | 24.12136 | 41.49173 | 7.74068 | 22.06932 | 44.49865 | 10.7476 | 55.4624 |
| 5/4/2025 | 6:00:00 AM | 33.75774 | 60.27996 | 26.52222 | 21.20778 | 47.67543 | 13.91769 | 24.73231 | 48.98682 | 15.22908 | 24.12092 | 41.49889 | 7.74115 | 22.06885 | 44.50937 | 10.75163 | 55.45837 |
| 5/4/2025 | 7:00:00 AM | 33.77112 | 60.29781 | 26.52669 | 21.20331 | 47.69555 | 13.92443 | 24.72557 | 49.00821 | 15.23709 | 24.11291 | 41.52035 | 7.74923 | 22.06077 | 44.52009 | 10.74897 | 55.46103 |
| 5/4/2025 | 8:00:00 AM | 33.78784 | 60.30138 | 26.51354 | 21.21646 | 47.70561 | 13.91777 | 24.73223 | 49.01534 | 15.2275 | 24.1225 | 41.52393 | 7.73609 | 22.07391 | 44.52366 | 10.73582 | 55.47418 |
| 5/4/2025 | 9:00:00 AM | 33.79452 | 60.30495 | 26.51043 | 21.21957 | 47.71903 | 13.92451 | 24.72549 | 49.0296 | 15.23508 | 24.11492 | 41.52751 | 7.73299 | 22.07701 | 44.53081 | 10.73629 | 55.47371 |
| 5/4/2025 | 10:00:00 AM | 33.80121 | 60.30495 | 26.50374 | 21.22626 | 47.71567 | 13.91446 | 24.73554 | 49.0296 | 15.22839 | 24.12161 | 41.52035 | 7.71914 | 22.09086 | 44.52009 | 10.71888 | 55.49112 |
| 5/4/2025 | 11:00:00 AM | 33.81124 | 60.30852 | 26.49728 | 21.23272 | 47.71903 | 13.90779 | 24.74221 | 49.02604 | 15.2148 | 24.1352 | 41.52751 | 7.71627 | 22.09373 | 44.51294 | 10.7017 | 55.5083 |
| 5/4/2025 | 12:00:00 PM | 33.81124 | 60.30138 | 26.49014 | 21.23986 | 47.69555 | 13.88431 | 24.76569 | 49.01178 | 15.20054 | 24.14946 | 41.52751 | 7.71627 | 22.09373 | 44.51294 | 10.7017 | 55.5083 |
| 5/4/2025 | 1:00:00 PM | 33.82796 | 60.30852 | 26.48056 | 21.24944 | 47.6989 | 13.87094 | 24.77906 | 49.00465 | 15.17669 | 24.17331 | 41.52751 | 7.69955 | 22.11045 | 44.50937 | 10.68141 | 55.52859 |
| 5/4/2025 | 2:00:00 PM | 33.86809 | 60.30138 | 26.43329 | 21.29671 | 47.68549 | 13.8174 | 24.8326 | 48.99752 | 15.12943 | 24.22057 | 41.53466 | 7.66657 | 22.14343 | 44.51651 | 10.64842 | 55.56158 |
| 5/4/2025 | 3:00:00 PM | 33.87812 | 60.29781 | 26.41969 | 21.31031 | 47.67543 | 13.79731 | 24.85269 | 49.00108 | 15.12296 | 24.22704 | 41.53109 | 7.65297 | 22.15703 | 44.50937 | 10.63125 | 55.57875 |
| 5/4/2025 | 4:00:00 PM | 33.86475 | 60.29067 | 26.42592 | 21.30408 | 47.66201 | 13.79726 | 24.85274 | 48.98326 | 15.11851 | 24.23149 | 41.52393 | 7.65918 | 22.15082 | 44.49865 | 10.6339 | 55.5761 |
| 5/4/2025 | 5:00:00 PM | 33.85472 | 60.28353 | 26.42881 | 21.30119 | 47.64859 | 13.79387 | 24.85613 | 48.96899 | 15.11427 | 24.23573 | 41.53824 | 7.68352 | 22.12648 | 44.49507 | 10.64035 | 55.56965 |
| 5/4/2025 | 6:00:00 PM | 33.85472 | 60.28353 | 26.42881 | 21.30119 | 47.64524 | 13.79052 | 24.85948 | 48.98682 | 15.1321 | 24.2179 | 41.54898 | 7.69426 | 22.11574 | 44.51294 | 10.65822 | 55.55178 |
| 5/4/2025 | 7:00:00 PM | 33.85472 | 60.29781 | 26.44309 | 21.28691 | 47.64524 | 13.79052 | 24.85948 | 48.99039 | 15.13567 | 24.21433 | 41.55255 | 7.69783 | 22.11217 | 44.52724 | 10.67252 | 55.53748 |
| 5/4/2025 | 8:00:00 PM | 33.84468 | 60.30138 | 26.4567 | 21.2733 | 47.64859 | 13.80391 | 24.84609 | 48.99395 | 15.14927 | 24.20073 | 41.54898 | 7.7043 | 22.1057 | 44.52366 | 10.67898 | 55.53102 |
| 5/4/2025 | 9:00:00 PM | 33.84134 | 60.32995 | 26.48861 | 21.24139 | 47.67543 | 13.83409 | 24.81591 | 49.01534 | 15.174 | 24.176 | 41.57044 | 7.7291 | 22.0809 | 44.55583 | 10.71449 | 55.49551 |
| 5/4/2025 | 10:00:00 PM | 33.83131 | 60.34066 | 26.50935 | 21.22065 | 47.68549 | 13.85418 | 24.79582 | 49.0296 | 15.19829 | 24.15171 | 41.5776 | 7.74629 | 22.06371 | 44.5594 | 10.72809 | 55.48191 |
| 5/4/2025 | 11:00:00 PM | 33.82462 | 60.34423 | 26.51961 | 21.21039 | 47.70226 | 13.87764 | 24.77236 | 49.0296 | 15.20498 | 24.14502 | 41.57044 | 7.74582 | 22.06418 | 44.5594 | 10.73478 | 55.47522 |
| 5/5/2025 | 12:00:00 AM | 33.838 | 60.35137 | 26.51337 | 21.21663 | 47.70561 | 13.86761 | 24.78239 | 49.0403 | 15.2023 | 24.1477 | 41.58118 | 7.74318 | 22.06682 | 44.56655 | 10.72855 | 55.48145 |
| 5/5/2025 | 1:00:00 AM | 33.84803 | 60.35494 | 26.50691 | 21.22309 | 47.71567 | 13.86764 | 24.78236 | 49.051 | 15.20297 | 24.14703 | 41.58475 | 7.73672 | 22.07328 | 44.5737 | 10.72567 | 55.48433 |
| 5/5/2025 | 2:00:00 AM | 33.84468 | 60.35851 | 26.51383 | 21.21617 | 47.71567 | 13.87099 | 24.77901 | 49.04386 | 15.19918 | 24.15082 | 41.58475 | 7.74007 | 22.06993 | 44.56298 | 10.7183 | 55.4917 |
| 5/5/2025 | 3:00:00 AM | 33.84468 | 60.36209 | 26.51741 | 21.21259 | 47.72573 | 13.88105 | 24.76895 | 49.05456 | 15.20988 | 24.14012 | 41.58475 | 7.74007 | 22.06993 | 44.56298 | 10.7183 | 55.4917 |
| 5/5/2025 | 4:00:00 AM | 33.84803 | 60.35851 | 26.51048 | 21.21952 | 47.73244 | 13.88441 | 24.76559 | 49.04743 | 15.1994 | 24.1506 | 41.58475 | 7.73672 | 22.07328 | 44.56655 | 10.71852 | 55.49148 |
| 5/5/2025 | 5:00:00 AM | 33.84803 | 60.36209 | 26.51406 | 21.21594 | 47.7358 | 13.88777 | 24.76223 | 49.05456 | 15.20653 | 24.14347 | 41.59549 | 7.74746 | 22.06254 | 44.56298 | 10.71495 | 55.49505 |
| 5/5/2025 | 6:00:00 AM | 33.85137 | 60.36566 | 26.51429 | 21.21571 | 47.73915 | 13.88778 | 24.76222 | 49.05813 | 15.20676 | 24.14324 | 41.59907 | 7.7477 | 22.0623 | 44.58084 | 10.72947 | 55.48053 |
| 5/5/2025 | 7:00:00 AM | 33.85806 | 60.37994 | 26.52188 | 21.20812 | 47.74921 | 13.89115 | 24.75885 | 49.06526 | 15.2072 | 24.1428 | 41.60622 | 7.74816 | 22.06184 | 44.5737 | 10.71564 | 55.49436 |
| 5/5/2025 | 8:00:00 AM | 33.85472 | 60.38708 | 26.53236 | 21.19764 | 47.75927 | 13.90455 | 24.74545 | 49.06526 | 15.21054 | 24.13946 | 41.61338 | 7.75866 | 22.05134 | 44.58084 | 10.72612 | 55.48388 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/5/2025 | 9:00:00 AM | 33.87144 | 60.37637 | 26.50493 | 21.22507 | 47.74921 | 13.87777 | 24.77223 | 49.05813 | 15.18669 | 24.16331 | 41.60264 | 7.7312 | 22.0788 | 44.5737 | 10.70226 | 55.50774 |
| 5/5/2025 | 10:00:00 AM | 33.87144 | 60.37994 | 26.5085 | 21.2215 | 47.75256 | 13.88112 | 24.76888 | 49.05456 | 15.18312 | 24.16688 | 41.60622 | 7.73478 | 22.07522 | 44.56655 | 10.69511 | 55.51489 |
| 5/5/2025 | 11:00:00 AM | 33.87478 | 60.36209 | 26.48731 | 21.24269 | 47.73244 | 13.85766 | 24.79234 | 49.04386 | 15.16908 | 24.18092 | 41.60622 | 7.73144 | 22.07856 | 44.5594 | 10.68462 | 55.52538 |
| 5/5/2025 | 12:00:00 PM | 33.88481 | 60.34423 | 26.45942 | 21.27058 | 47.71903 | 13.83422 | 24.81578 | 49.02604 | 15.14123 | 24.20877 | 41.58475 | 7.69994 | 22.11006 | 44.54153 | 10.65672 | 55.55328 |
| 5/5/2025 | 1:00:00 PM | 33.8915 | 60.32281 | 26.43131 | 21.29869 | 47.68884 | 13.79734 | 24.85266 | 48.99752 | 15.10602 | 24.24398 | 41.58118 | 7.68968 | 22.12032 | 44.52724 | 10.63574 | 55.57426 |
| 5/5/2025 | 2:00:00 PM | 33.95838 | 60.31209 | 26.35371 | 21.37629 | 47.66201 | 13.70363 | 24.94637 | 48.98326 | 15.02488 | 24.32512 | 41.58118 | 7.6228 | 22.1872 | 44.51651 | 10.55813 | 55.65187 |
| 5/5/2025 | 3:00:00 PM | 33.96841 | 60.30138 | 26.33297 | 21.39703 | 47.64524 | 13.67683 | 24.97317 | 48.97256 | 15.00415 | 24.34585 | 41.58118 | 7.61277 | 22.19723 | 44.51651 | 10.5481 | 55.6619 |
| 5/5/2025 | 4:00:00 PM | 33.945 | 60.2871 | 26.3421 | 21.3879 | 47.60499 | 13.65999 | 24.99001 | 48.94047 | 14.99547 | 24.35453 | 41.55613 | 7.61113 | 22.19887 | 44.50579 | 10.56079 | 55.64921 |
| 5/5/2025 | 5:00:00 PM | 33.93832 | 60.26924 | 26.33092 | 21.39908 | 47.58152 | 13.6432 | 25.0068 | 48.92265 | 14.98433 | 24.36567 | 41.55255 | 7.61423 | 22.19577 | 44.49865 | 10.56033 | 55.64967 |
| 5/5/2025 | 6:00:00 PM | 33.93163 | 60.26924 | 26.33761 | 21.39239 | 47.56139 | 13.62976 | 25.02024 | 48.91552 | 14.98389 | 24.36611 | 41.55613 | 7.6245 | 22.1855 | 44.50937 | 10.57774 | 55.63226 |
| 5/5/2025 | 7:00:00 PM | 33.9216 | 60.25496 | 26.33336 | 21.39664 | 47.54798 | 13.62638 | 25.02362 | 48.90125 | 14.97965 | 24.37035 | 41.55613 | 7.63453 | 22.17547 | 44.50937 | 10.58777 | 55.62223 |
| 5/5/2025 | 8:00:00 PM | 33.90488 | 60.2621 | 26.35722 | 21.37278 | 47.53456 | 13.62968 | 25.02032 | 48.89412 | 14.98924 | 24.36076 | 41.55613 | 7.65125 | 22.15875 | 44.51294 | 10.60806 | 55.60194 |
| 5/5/2025 | 9:00:00 PM | 33.89819 | 60.25853 | 26.36034 | 21.36966 | 47.54127 | 13.64308 | 25.00692 | 48.90482 | 15.00663 | 24.34337 | 41.57402 | 7.67583 | 22.13417 | 44.53081 | 10.63262 | 55.57738 |
| 5/5/2025 | 10:00:00 PM | 33.88481 | 60.2621 | 26.37729 | 21.35271 | 47.53792 | 13.65311 | 24.99689 | 48.89769 | 15.01288 | 24.33712 | 41.55971 | 7.6749 | 22.1351 | 44.54511 | 10.6603 | 55.5497 |
| 5/5/2025 | 11:00:00 PM | 33.87144 | 60.2621 | 26.39066 | 21.33934 | 47.53792 | 13.66648 | 24.98352 | 48.89412 | 15.02268 | 24.32732 | 41.55613 | 7.68469 | 22.12531 | 44.54153 | 10.67009 | 55.53991 |
| 5/6/2025 | 12:00:00 AM | 33.87812 | 60.25853 | 26.38041 | 21.34959 | 47.54127 | 13.66315 | 24.98685 | 48.90125 | 15.02313 | 24.32687 | 41.54898 | 7.67086 | 22.13914 | 44.53796 | 10.65984 | 55.55016 |
| 5/6/2025 | 1:00:00 AM | 33.85806 | 60.25853 | 26.40047 | 21.32953 | 47.53121 | 13.67315 | 24.97685 | 48.88699 | 15.02893 | 24.32107 | 41.54182 | 7.68376 | 22.12624 | 44.54153 | 10.68347 | 55.52653 |
| 5/6/2025 | 2:00:00 AM | 33.84803 | 60.23353 | 26.3855 | 21.3445 | 47.5245 | 13.67647 | 24.97353 | 48.87273 | 15.0247 | 24.3253 | 41.53824 | 7.69021 | 22.11979 | 44.52366 | 10.67563 | 55.53437 |
| 5/6/2025 | 3:00:00 AM | 33.84468 | 60.25139 | 26.40671 | 21.32329 | 47.53456 | 13.68988 | 24.96012 | 48.88699 | 15.04231 | 24.30769 | 41.53824 | 7.69356 | 22.11644 | 44.53796 | 10.69328 | 55.51672 |
| 5/6/2025 | 4:00:00 AM | 33.77446 | 60.24068 | 26.46622 | 21.26378 | 47.53456 | 13.7601 | 24.8899 | 48.86917 | 15.09471 | 24.25529 | 41.52751 | 7.75305 | 22.05695 | 44.53438 | 10.75992 | 55.45008 |
| 5/6/2025 | 5:00:00 AM | 33.7544 | 60.23353 | 26.47913 | 21.25087 | 47.51779 | 13.76339 | 24.88661 | 48.85134 | 15.09694 | 24.25306 | 41.51678 | 7.76238 | 22.04762 | 44.52366 | 10.76926 | 55.44074 |
| 5/6/2025 | 6:00:00 AM | 33.74436 | 60.21568 | 26.47132 | 21.25868 | 47.50773 | 13.76337 | 24.88663 | 48.84421 | 15.09985 | 24.25015 | 41.5132 | 7.76884 | 22.04116 | 44.51651 | 10.77215 | 55.43785 |
| 5/6/2025 | 7:00:00 AM | 33.74102 | 60.21211 | 26.47109 | 21.25891 | 47.50102 | 13.76 | 24.89 | 48.82995 | 15.08893 | 24.26107 | 41.49889 | 7.75787 | 22.05213 | 44.51651 | 10.77549 | 55.43451 |
| 5/6/2025 | 8:00:00 AM | 33.74436 | 60.20854 | 26.46418 | 21.26582 | 47.50438 | 13.76002 | 24.88998 | 48.81925 | 15.07489 | 24.27511 | 41.49889 | 7.75453 | 22.05547 | 44.52009 | 10.77573 | 55.43427 |
| 5/6/2025 | 9:00:00 AM | 33.74771 | 60.2014 | 26.45369 | 21.27631 | 47.50438 | 13.75667 | 24.89333 | 48.82995 | 15.08224 | 24.26776 | 41.50246 | 7.75475 | 22.05525 | 44.52009 | 10.77238 | 55.43762 |
| 5/6/2025 | 10:00:00 AM | 33.75774 | 60.19425 | 26.43651 | 21.29349 | 47.49096 | 13.73322 | 24.91678 | 48.81212 | 15.05438 | 24.29562 | 41.49173 | 7.73399 | 22.07601 | 44.51651 | 10.75877 | 55.45123 |
| 5/6/2025 | 11:00:00 AM | 33.76443 | 60.17283 | 26.4084 | 21.3216 | 47.46078 | 13.69635 | 24.95365 | 48.79073 | 15.0263 | 24.3237 | 41.47742 | 7.71299 | 22.09701 | 44.50222 | 10.73779 | 55.47221 |
| 5/6/2025 | 12:00:00 PM | 33.77446 | 60.15497 | 26.38051 | 21.34949 | 47.43395 | 13.65949 | 24.99051 | 48.76934 | 14.99488 | 24.35512 | 41.45595 | 7.68149 | 22.12851 | 44.48792 | 10.71346 | 55.49654 |
| 5/6/2025 | 1:00:00 PM | 33.78449 | 60.12998 | 26.34549 | 21.38451 | 47.40376 | 13.61927 | 25.03073 | 48.74438 | 14.95989 | 24.39011 | 41.43806 | 7.65357 | 22.15643 | 44.47005 | 10.68556 | 55.52444 |
| 5/6/2025 | 2:00:00 PM | 33.838 | 60.09427 | 26.25627 | 21.47373 | 47.36016 | 13.52216 | 25.12784 | 48.71229 | 14.87429 | 24.47571 | 41.42375 | 7.58575 | 22.22425 | 44.44861 | 10.61061 | 55.59939 |
| 5/6/2025 | 3:00:00 PM | 33.84468 | 60.08713 | 26.24245 | 21.48755 | 47.32998 | 13.4853 | 25.1647 | 48.69447 | 14.84979 | 24.50021 | 41.4166 | 7.57192 | 22.23808 | 44.45218 | 10.6075 | 55.6025 |
| 5/6/2025 | 4:00:00 PM | 33.83131 | 60.05499 | 26.22368 | 21.50632 | 47.29979 | 13.46848 | 25.18152 | 48.66238 | 14.83107 | 24.51893 | 41.39871 | 7.5674 | 22.2426 | 44.43789 | 10.60658 | 55.60342 |
| 5/6/2025 | 5:00:00 PM | 33.81793 | 60.03357 | 26.21564 | 21.51436 | 47.25619 | 13.43826 | 25.21174 | 48.63029 | 14.81236 | 24.53764 | 41.38798 | 7.57005 | 22.23995 | 44.43431 | 10.61638 | 55.59362 |
| 5/6/2025 | 6:00:00 PM | 33.80121 | 60.005 | 26.20379 | 21.52621 | 47.21594 | 13.41473 | 25.23527 | 48.60534 | 14.80413 | 24.54587 | 41.36651 | 7.5653 | 22.2447 | 44.42002 | 10.61881 | 55.59119 |
| 5/6/2025 | 7:00:00 PM | 33.79118 | 60.005 | 26.21382 | 21.51618 | 47.18911 | 13.39793 | 25.25207 | 48.57681 | 14.78563 | 24.56437 | 41.3522 | 7.56102 | 22.24898 | 44.41645 | 10.62527 | 55.58473 |
| 5/6/2025 | 8:00:00 PM | 33.77446 | 60.00143 | 26.22697 | 21.50303 | 47.1824 | 13.40794 | 25.24206 | 48.57681 | 14.80235 | 24.54765 | 41.35935 | 7.58489 | 22.22511 | 44.43074 | 10.65628 | 55.55372 |
| 5/6/2025 | 9:00:00 PM | 33.76777 | 60.00143 | 26.23366 | 21.49634 | 47.18576 | 13.41799 | 25.23201 | 48.58038 | 14.81261 | 24.53739 | 41.36293 | 7.59516 | 22.21484 | 44.44504 | 10.67727 | 55.53273 |
| 5/6/2025 | 10:00:00 PM | 33.76443 | 60.00857 | 26.24414 | 21.48586 | 47.19247 | 13.42804 | 25.22196 | 48.59108 | 14.82665 | 24.52335 | 41.35935 | 7.59492 | 22.21508 | 44.46648 | 10.70205 | 55.50795 |
| 5/6/2025 | 11:00:00 PM | 33.75774 | 59.99429 | 26.23655 | 21.49345 | 47.19582 | 13.43808 | 25.21192 | 48.58394 | 14.8262 | 24.5238 | 41.34146 | 7.58372 | 22.22628 | 44.45576 | 10.69802 | 55.51198 |
| 5/7/2025 | 12:00:00 AM | 33.74436 | 59.99071 | 26.24635 | 21.48365 | 47.18911 | 13.44475 | 25.20525 | 48.57681 | 14.83245 | 24.51755 | 41.33073 | 7.58637 | 22.22363 | 44.45933 | 10.71497 | 55.49503 |
| 5/7/2025 | 1:00:00 AM | 33.74102 | 60.00857 | 26.26755 | 21.46245 | 47.20924 | 13.46822 | 25.18178 | 48.58394 | 14.84292 | 24.50708 | 41.33789 | 7.59687 | 22.21313 | 44.47363 | 10.73261 | 55.47739 |
| 5/7/2025 | 2:00:00 AM | 33.74436 | 60.005 | 26.26064 | 21.46936 | 47.22601 | 13.48165 | 25.16835 | 48.58751 | 14.84315 | 24.50685 | 41.33431 | 7.58995 | 22.22005 | 44.48078 | 10.73642 | 55.47358 |
| 5/7/2025 | 3:00:00 AM | 33.74436 | 60.01571 | 26.27135 | 21.45865 | 47.24613 | 13.50177 | 25.14823 | 48.60534 | 14.86098 | 24.48902 | 41.33431 | 7.58995 | 22.22005 | 44.49865 | 10.75429 | 55.45571 |
| 5/7/2025 | 4:00:00 AM | 33.73433 | 60.01214 | 26.27781 | 21.45219 | 47.24613 | 13.5118 | 25.1382 | 48.6089 | 14.87457 | 24.47543 | 41.32357 | 7.58924 | 22.22076 | 44.48078 | 10.74645 | 55.46355 |
| 5/7/2025 | 5:00:00 AM | 33.73433 | 60.01214 | 26.30281 | 21.42719 | 47.28302 | 13.54869 | 25.10131 | 48.63742 | 14.90309 | 24.44691 | 41.34862 | 7.61429 | 22.19571 | 44.52009 | 10.78576 | 55.42424 |
| 5/7/2025 | 6:00:00 AM | 33.73768 | 60.03714 | 26.29946 | 21.43054 | 47.28638 | 13.5487 | 25.1013 | 48.63742 | 14.89974 | 24.45026 | 41.33073 | 7.59305 | 22.21695 | 44.50937 | 10.77169 | 55.43831 |
| 5/7/2025 | 7:00:00 AM | 33.7243 | 60.02642 | 26.30212 | 21.42788 | 47.29644 | 13.57214 | 25.07786 | 48.62673 | 14.90243 | 24.44757 | 41.31642 | 7.59212 | 22.21788 | 44.49507 | 10.77077 | 55.43923 |
| 5/7/2025 | 8:00:00 AM | 33.74436 | 60.05499 | 26.31063 | 21.41937 | 47.32327 | 13.57891 | 25.07109 | 48.66595 | 14.92159 | 24.42841 | 41.34146 | 7.5971 | 22.2129 | 44.52009 | 10.77573 | 55.43427 |
| 5/7/2025 | 9:00:00 AM | 33.75774 | 60.05856 | 26.30082 | 21.42918 | 47.33333 | 13.57559 | 25.07441 | 48.66951 | 14.91177 | 24.43823 | 41.33073 | 7.57299 | 22.23701 | 44.50937 | 10.75163 | 55.45837 |
| 5/7/2025 | 10:00:00 AM | 33.76108 | 60.04785 | 26.28677 | 21.44323 | 47.33668 | 13.5756 | 25.0744 | 48.67308 | 14.912 | 24.438 | 41.32715 | 7.56607 | 22.24393 | 44.50579 | 10.74471 | 55.46529 |
| 5/7/2025 | 11:00:00 AM | 33.77446 | 60.05856 | 26.2841 | 21.4459 | 47.34339 | 13.56893 | 25.08107 | 48.68734 | 14.91288 | 24.43712 | 41.33431 | 7.55985 | 22.25015 | 44.50937 | 10.73491 | 55.47509 |
| 5/7/2025 | 12:00:00 PM | 33.7778 | 60.05856 | 26.28076 | 21.44924 | 47.33668 | 13.55888 | 25.09112 | 48.67664 | 14.89884 | 24.45116 | 41.32 | 7.5422 | 22.2678 | 44.50222 | 10.72442 | 55.48558 |
| 5/7/2025 | 1:00:00 PM | 33.7778 | 60.04071 | 26.26291 | 21.46709 | 47.32998 | 13.55218 | 25.09782 | 48.65882 | 14.88102 | 24.46898 | 41.31284 | 7.53504 | 22.27496 | 44.48792 | 10.71012 | 55.49988 |
| 5/7/2025 | 2:00:00 PM | 33.77446 | 60.04071 | 26.26625 | 21.46375 | 47.31321 | 13.53875 | 25.11125 | 48.65882 | 14.88436 | 24.46564 | 41.30211 | 7.52765 | 22.28235 | 44.47005 | 10.69559 | 55.51441 |
| 5/7/2025 | 3:00:00 PM | 33.79118 | 60.01571 | 26.22453 | 21.50547 | 47.29644 | 13.50526 | 25.14474 | 48.63386 | 14.84268 | 24.50732 | 41.30211 | 7.51093 | 22.29907 | 44.45933 | 10.66815 | 55.54185 |
| 5/7/2025 | 4:00:00 PM | 33.78784 | 60.01928 | 26.23144 | 21.49856 | 47.28973 | 13.50189 | 25.14811 | 48.63029 | 14.84245 | 24.50755 | 41.29853 | 7.51069 | 22.29931 | 44.45576 | 10.66792 | 55.54208 |
| 5/7/2025 | 5:00:00 PM | 33.78784 | 60.04071 | 26.25287 | 21.47713 | 47.30314 | 13.5153 | 25.1347 | 48.65882 | 14.87098 | 24.47902 | 41.32 | 7.53216 | 22.27784 | 44.48435 | 10.69651 | 55.51349 |
| 5/7/2025 | 6:00:00 PM | 33.80456 | 60.0657 | 26.26114 | 21.46886 | 47.33333 | 13.52877 | 25.12123 | 48.68377 | 14.87921 | 24.47079 | 41.33789 | 7.53333 | 22.27667 | 44.50937 | 10.70481 | 55.50519 |
| 5/7/2025 | 7:00:00 PM | 33.80456 | 60.09427 | 26.28971 | 21.44029 | 47.36351 | 13.55895 | 25.09105 | 48.70873 | 14.90417 | 24.44583 | 41.35935 | 7.55479 | 22.25521 | 44.53081 | 10.72625 | 55.48375 |
| 5/7/2025 | 8:00:00 PM | 33.8079 | 60.10855 | 26.30065 | 21.42935 | 47.37693 | 13.56903 | 25.08097 | 48.73012 | 14.92222 | 24.42778 | 41.35935 | 7.55145 | 22.25855 | 44.54868 | 10.74078 | 55.46922 |
| 5/7/2025 | 9:00:00 PM | 33.81124 | 60.13355 | 26.32231 | 21.40769 | 47.41047 | 13.59923 | 25.05077 | 48.76577 | 14.95453 | 24.39547 | 41.38082 | 7.56958 | 22.24042 | 44.56655 | 10.75531 | 55.45469 |
| 5/7/2025 | 10:00:00 PM | 33.82462 | 60.1764 | 26.35178 | 21.37822 | 47.45742 | 13.6328 | 25.0172 | 48.80856 | 14.98394 | 24.36606 | 41.40229 | 7.57767 | 22.23233 | 44.59157 | 10.76695 | 55.44305 |
| 5/7/2025 | 11:00:00 PM | 33.83465 | 60.19783 | 26.36318 | 21.36682 | 47.50102 | 13.66637 | 24.98363 | 48.84064 | 15.00599 | 24.34401 | 41.40944 | 7.57479 | 22.23521 | 44.60944 | 10.77479 | 55.43521 |
| 5/8/2025 | 12:00:00 AM | 33.838 | 60.20497 | 26.36697 | 21.36303 | 47.51779 | 13.67979 | 24.97021 | 48.84777 | 15.00977 | 24.34023 | 41.40944 | 7.57144 | 22.23856 | 44.59514 | 10.75714 | 55.45286 |
| 5/8/2025 | 1:00:00 AM | 33.84803 | 60.22996 | 26.38193 | 21.34807 | 47.54798 | 13.69995 | 24.95005 | 48.88699 | 15.03896 | 24.31104 | 41.42375 | 7.57572 | 22.23428 | 44.60229 | 10.75426 | 55.45574 |
| 5/8/2025 | 2:00:00 AM | 33.85137 | 60.24068 | 26.38931 | 21.34069 | 47.58152 | 13.73015 | 24.91985 | 48.89769 | 15.04632 | 24.30368 | 41.43091 | 7.57954 | 22.23046 | 44.60944 | 10.75807 | 55.45193 |
| 5/8/2025 | 3:00:00 AM | 33.85472 | 60.25496 | 26.40024 | 21.32976 | 47.59493 | 13.74021 | 24.90979 | 48.91552 | 15.0608 | 24.2892 | 41.43806 | 7.58334 | 22.22666 | 44.60229 | 10.74757 | 55.46243 |
| 5/8/2025 | 4:00:00 AM | 33.8614 | 60.26924 | 26.40784 | 21.32216 | 47.61841 | 13.75701 | 24.89299 | 48.92265 | 15.06125 | 24.28875 | 41.4488 | 7.5874 | 22.2226 | 44.60586 | 10.74446 | 55.46554 |
| 5/8/2025 | 5:00:00 AM | 33.86475 | 60.27638 | 26.41163 | 21.31837 | 47.63853 | 13.77378 | 24.87622 | 48.93691 | 15.07216 | 24.27784 | 41.45953 | 7.59478 | 22.21522 | 44.60944 | 10.74469 | 55.46531 |
| 5/8/2025 | 6:00:00 AM | 33.8614 | 60.28353 | 26.42213 | 21.30787 | 47.64859 | 13.78719 | 24.86281 | 48.94404 | 15.08264 | 24.26736 | 41.46311 | 7.60171 | 22.20829 | 44.60229 | 10.74089 | 55.46911 |
| 5/8/2025 | 7:00:00 AM | 33.86475 | 60.30138 | 26.43663 | 21.29337 | 47.66536 | 13.80061 | 24.84939 | 48.96186 | 15.09711 | 24.25289 | 41.47384 | 7.60909 | 22.20091 | 44.60586 | 10.74111 | 55.46889 |
| 5/8/2025 | 8:00:00 AM | 33.87812 | 60.31566 | 26.43754 | 21.29246 | 47.68884 | 13.81072 | 24.83928 | 48.98682 | 15.1087 | 24.2413 | 41.49889 | 7.62077 | 22.18923 | 44.61658 | 10.73846 | 55.47154 |
| 5/8/2025 | 9:00:00 AM | 33.88147 | 60.33352 | 26.45205 | 21.27795 | 47.70226 | 13.82079 | 24.82921 | 48.99395 | 15.11248 | 24.23752 | 41.50246 | 7.62099 | 22.18901 | 44.61301 | 10.73154 | 55.47846 |
| 5/8/2025 | 10:00:00 AM | 33.89819 | 60.3478 | 26.44961 | 21.28039 | 47.72573 | 13.82754 | 24.82246 | 49.00465 | 15.10646 | 24.24354 | 41.51678 | 7.61859 | 22.19141 | 44.62731 | 10.72912 | 55.48088 |
| 5/8/2025 | 11:00:00 AM | 33.90488 | 60.34066 | 26.43578 | 21.29422 | 47.71903 | 13.81415 | 24.83585 | 49.00465 | 15.09977 | 24.25023 | 41.50962 | 7.60474 | 22.20526 | 44.60944 | 10.70456 | 55.50544 |
| 5/8/2025 | 12:00:00 PM | 33.89819 | 60.31566 | 26.41747 | 21.31253 | 47.68549 | 13.7873 | 24.8627 | 48.97256 | 15.07437 | 24.27563 | 41.50246 | 7.60427 | 22.20573 | 44.57012 | 10.67193 | 55.53807 |
| 5/8/2025 | 1:00:00 PM | 33.88147 | 60.30138 | 26.41991 | 21.31009 | 47.66201 | 13.78054 | 24.86946 | 48.95117 | 15.0697 | 24.2803 | 41.49889 | 7.61742 | 22.19258 | 44.55225 | 10.67078 | 55.53922 |
| 5/8/2025 | 2:00:00 PM | 33.90488 | 60.27996 | 26.37508 | 21.35492 | 47.61841 | 13.71353 | 24.93647 | 48.91908 | 15.0142 | 24.3358 | 41.49173 | 7.58685 | 22.22315 | 44.52724 | 10.62236 | 55.58764 |
| 5/8/2025 | 3:00:00 PM | 33.9216 | 60.2871 | 26.3655 | 21.3645 | 47.6117 | 13.6901 | 24.9599 | 48.92978 | 15.00818 | 24.34182 | 41.50604 | 7.58444 | 22.22556 | 44.55225 | 10.63065 | 55.57935 |
| 5/8/2025 | 4:00:00 PM | 33.91491 | 60.29067 | 26.37576 | 21.35424 | 47.6117 | 13.69679 | 24.95321 | 48.92621 | 15.0113 | 24.3387 | 41.51678 | 7.60187 | 22.20813 | 44.5594 | 10.64449 | 55.56551 |
| 5/8/2025 | 5:00:00 PM | 33.89819 | 60.26567 | 26.36748 | 21.36252 | 47.57481 | 13.67662 | 24.97338 | 48.90125 | 15.00306 | 24.34694 | 41.50962 | 7.61143 | 22.19857 | 44.54153 | 10.64334 | 55.56666 |
| 5/8/2025 | 6:00:00 PM | 33.88816 | 60.26924 | 26.38108 | 21.34892 | 47.55804 | 13.66988 | 24.98012 | 48.89412 | 15.00596 | 24.34404 | 41.50604 | 7.61788 | 22.19212 | 44.54511 | 10.65695 | 55.55305 |
| 5/8/2025 | 7:00:00 PM | 33.87478 | 60.25139 | 26.37661 | 21.35339 | 47.53121 | 13.65643 | 24.99357 | 48.86204 | 14.98726 | 24.36274 | 41.49889 | 7.62411 | 22.18589 | 44.53438 | 10.6596 | 55.5504 |
| 5/8/2025 | 8:00:00 PM | 33.86475 | 60.2621 | 26.39735 | 21.33265 | 47.5245 | 13.65975 | 24.99025 | 48.87273 | 15.00798 | 24.34202 | 41.50604 | 7.64129 | 22.16871 | 44.54511 | 10.68036 | 55.52964 |
| 5/8/2025 | 9:00:00 PM | 33.85137 | 60.24782 | 26.39645 | 21.33355 | 47.52115 | 13.66978 | 24.98022 | 48.85847 | 15.0071 | 24.3429 | 41.50246 | 7.65109 | 22.15891 | 44.54511 | 10.69374 | 55.51626 |
| 5/8/2025 | 10:00:00 PM | 33.83465 | 60.2621 | 26.42745 | 21.30255 | 47.52785 | 13.6932 | 24.9568 | 48.85847 | 15.02382 | 24.32618 | 41.51678 | 7.68213 | 22.12787 | 44.5594 | 10.72475 | 55.48525 |
| 5/8/2025 | 11:00:00 PM | 33.838 | 60.27281 | 26.43481 | 21.29519 | 47.53792 | 13.69992 | 24.95008 | 48.8763 | 15.0383 | 24.3117 | 41.52751 | 7.68951 | 22.12049 | 44.57012 | 10.73212 | 55.47788 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/9/2025 | 12:00:00 AM | 33.82796 | 60.27638 | 26.44842 | 21.28158 | 47.53121 | 13.70325 | 24.94675 | 48.8763 | 15.04834 | 24.30166 | 41.51678 | 7.68882 | 22.12118 | 44.5737 | 10.74574 | 55.46426 |
| 5/9/2025 | 1:00:00 AM | 33.81793 | 60.27281 | 26.45488 | 21.27512 | 47.55133 | 13.7334 | 24.9166 | 48.87273 | 15.0548 | 24.2952 | 41.52751 | 7.70958 | 22.10042 | 44.5737 | 10.75577 | 55.45423 |
| 5/9/2025 | 2:00:00 AM | 33.8079 | 60.27638 | 26.46848 | 21.26152 | 47.54462 | 13.73672 | 24.91328 | 48.85847 | 15.05057 | 24.29943 | 41.5132 | 7.7053 | 22.1047 | 44.5737 | 10.7658 | 55.4442 |
| 5/9/2025 | 3:00:00 AM | 33.80456 | 60.27638 | 26.47182 | 21.25818 | 47.55133 | 13.74677 | 24.90323 | 48.86917 | 15.06461 | 24.28539 | 41.50962 | 7.70506 | 22.10494 | 44.57727 | 10.77271 | 55.43729 |
| 5/9/2025 | 4:00:00 AM | 33.79452 | 60.26924 | 26.47472 | 21.25528 | 47.55133 | 13.75681 | 24.89319 | 48.85847 | 15.06395 | 24.28605 | 41.51678 | 7.72226 | 22.08774 | 44.57012 | 10.7756 | 55.4344 |
| 5/9/2025 | 5:00:00 AM | 33.78784 | 60.27281 | 26.48497 | 21.24503 | 47.55804 | 13.7702 | 24.8798 | 48.86204 | 15.0742 | 24.2758 | 41.5132 | 7.72536 | 22.08464 | 44.58084 | 10.793 | 55.417 |
| 5/9/2025 | 6:00:00 AM | 33.78449 | 60.26567 | 26.48118 | 21.24882 | 47.55469 | 13.7702 | 24.8798 | 48.86204 | 15.07755 | 24.27245 | 41.5132 | 7.72871 | 22.08129 | 44.58084 | 10.79635 | 55.41365 |
| 5/9/2025 | 7:00:00 AM | 33.78784 | 60.27638 | 26.48854 | 21.24146 | 47.56139 | 13.77355 | 24.87645 | 48.86917 | 15.08133 | 24.26867 | 41.5132 | 7.72536 | 22.08464 | 44.58084 | 10.793 | 55.417 |
| 5/9/2025 | 8:00:00 AM | 33.79452 | 60.27638 | 26.48186 | 21.24814 | 47.5681 | 13.77358 | 24.87642 | 48.86204 | 15.06752 | 24.28248 | 41.51678 | 7.72226 | 22.08774 | 44.59157 | 10.79705 | 55.41295 |
| 5/9/2025 | 9:00:00 AM | 33.79118 | 60.27281 | 26.48163 | 21.24837 | 47.5681 | 13.77692 | 24.87308 | 48.85491 | 15.06373 | 24.28627 | 41.50962 | 7.71844 | 22.09156 | 44.58442 | 10.79324 | 55.41676 |
| 5/9/2025 | 10:00:00 AM | 33.81124 | 60.26567 | 26.45443 | 21.27557 | 47.56475 | 13.75351 | 24.89649 | 48.85491 | 15.04367 | 24.30633 | 41.50246 | 7.69122 | 22.11878 | 44.58442 | 10.77318 | 55.43682 |
| 5/9/2025 | 11:00:00 AM | 33.81459 | 60.25496 | 26.44037 | 21.28963 | 47.54462 | 13.73003 | 24.91997 | 48.83708 | 15.02249 | 24.32751 | 41.49889 | 7.6843 | 22.1257 | 44.56298 | 10.74839 | 55.46161 |
| 5/9/2025 | 12:00:00 PM | 33.82128 | 60.23711 | 26.41583 | 21.31417 | 47.52785 | 13.70657 | 24.94343 | 48.82638 | 15.0051 | 24.3449 | 41.49173 | 7.67045 | 22.13955 | 44.55583 | 10.73455 | 55.47545 |
| 5/9/2025 | 1:00:00 PM | 33.83131 | 60.22996 | 26.39865 | 21.33135 | 47.51779 | 13.68648 | 24.96352 | 48.80856 | 14.97725 | 24.37275 | 41.48815 | 7.65684 | 22.15316 | 44.55583 | 10.72452 | 55.48548 |
| 5/9/2025 | 2:00:00 PM | 33.87144 | 60.20497 | 26.33353 | 21.39647 | 47.49096 | 13.61952 | 25.03048 | 48.79073 | 14.91929 | 24.43071 | 41.47026 | 7.59882 | 22.21118 | 44.54153 | 10.67009 | 55.53991 |
| 5/9/2025 | 3:00:00 PM | 33.8915 | 60.19783 | 26.30633 | 21.42367 | 47.46078 | 13.56928 | 25.08072 | 48.77647 | 14.88497 | 24.46503 | 41.46669 | 7.57519 | 22.23481 | 44.54511 | 10.65361 | 55.55639 |
| 5/9/2025 | 4:00:00 PM | 33.87144 | 60.18711 | 26.31567 | 21.41433 | 47.42724 | 13.5558 | 25.0942 | 48.75508 | 14.88364 | 24.46636 | 41.45238 | 7.58094 | 22.22906 | 44.53796 | 10.66652 | 55.54348 |
| 5/9/2025 | 5:00:00 PM | 33.87144 | 60.18711 | 26.31567 | 21.41433 | 47.41718 | 13.54574 | 25.10426 | 48.75508 | 14.88364 | 24.46636 | 41.46311 | 7.59167 | 22.21833 | 44.54511 | 10.67367 | 55.53633 |
| 5/9/2025 | 6:00:00 PM | 33.8614 | 60.1764 | 26.315 | 21.415 | 47.39705 | 13.53565 | 25.11435 | 48.74082 | 14.87942 | 24.47058 | 41.45595 | 7.59455 | 22.21545 | 44.54153 | 10.68013 | 55.52987 |
| 5/9/2025 | 7:00:00 PM | 33.84468 | 60.16569 | 26.32101 | 21.40899 | 47.38028 | 13.5356 | 25.1144 | 48.73012 | 14.88544 | 24.46456 | 41.45238 | 7.6077 | 22.2023 | 44.54511 | 10.70043 | 55.50957 |
| 5/9/2025 | 8:00:00 PM | 33.83131 | 60.16569 | 26.33438 | 21.39562 | 47.37022 | 13.53891 | 25.11109 | 48.73012 | 14.89881 | 24.45119 | 41.45953 | 7.62822 | 22.18178 | 44.54868 | 10.71737 | 55.49263 |
| 5/9/2025 | 9:00:00 PM | 33.81793 | 60.15497 | 26.33704 | 21.39296 | 47.35681 | 13.53888 | 25.11112 | 48.71229 | 14.89436 | 24.45564 | 41.43806 | 7.62013 | 22.18987 | 44.54868 | 10.73075 | 55.47925 |
| 5/9/2025 | 10:00:00 PM | 33.81124 | 60.16212 | 26.35088 | 21.37912 | 47.36687 | 13.55563 | 25.09437 | 48.72299 | 14.91175 | 24.43825 | 41.44522 | 7.63398 | 22.17602 | 44.56655 | 10.75531 | 55.45469 |
| 5/9/2025 | 11:00:00 PM | 33.79452 | 60.14783 | 26.35331 | 21.37669 | 47.36016 | 13.56564 | 25.08436 | 48.69803 | 14.90351 | 24.44649 | 41.43449 | 7.63997 | 22.17003 | 44.54153 | 10.74701 | 55.46299 |
| 5/10/2025 | 12:00:00 AM | 33.78115 | 60.13355 | 26.3524 | 21.3776 | 47.34674 | 13.56559 | 25.08441 | 48.68377 | 14.90262 | 24.44738 | 41.4166 | 7.63545 | 22.17455 | 44.53438 | 10.75323 | 55.45677 |
| 5/10/2025 | 1:00:00 AM | 33.77112 | 60.12284 | 26.35172 | 21.37828 | 47.33668 | 13.56556 | 25.08444 | 48.67664 | 14.90552 | 24.44448 | 41.41302 | 7.6419 | 22.1681 | 44.53796 | 10.76684 | 55.44316 |
| 5/10/2025 | 2:00:00 AM | 33.76443 | 60.1157 | 26.35127 | 21.37873 | 47.32662 | 13.56219 | 25.08781 | 48.65882 | 14.89439 | 24.45561 | 41.40229 | 7.63786 | 22.17214 | 44.52366 | 10.75923 | 55.45077 |
| 5/10/2025 | 3:00:00 AM | 33.7544 | 60.11212 | 26.35772 | 21.37228 | 47.31991 | 13.56551 | 25.08449 | 48.64099 | 14.88659 | 24.46341 | 41.39513 | 7.64073 | 22.16927 | 44.52009 | 10.76569 | 55.44431 |
| 5/10/2025 | 4:00:00 AM | 33.74102 | 60.10141 | 26.36039 | 21.36961 | 47.31656 | 13.57554 | 25.07446 | 48.64812 | 14.9071 | 24.4429 | 41.38798 | 7.64696 | 22.16304 | 44.52009 | 10.77907 | 55.43093 |
| 5/10/2025 | 5:00:00 AM | 33.74102 | 60.0907 | 26.34968 | 21.38032 | 47.31656 | 13.57554 | 25.07446 | 48.63029 | 14.88927 | 24.46073 | 41.37724 | 7.63622 | 22.17378 | 44.51651 | 10.77549 | 55.43451 |
| 5/10/2025 | 6:00:00 AM | 33.73433 | 60.0907 | 26.35637 | 21.37363 | 47.31656 | 13.58223 | 25.06777 | 48.63386 | 14.89953 | 24.45047 | 41.37724 | 7.64291 | 22.16709 | 44.52009 | 10.78576 | 55.42424 |
| 5/10/2025 | 7:00:00 AM | 33.74102 | 60.08356 | 26.34254 | 21.38746 | 47.31656 | 13.57554 | 25.07446 | 48.62316 | 14.88214 | 24.46786 | 41.37009 | 7.62907 | 22.18093 | 44.52366 | 10.78264 | 55.42736 |
| 5/10/2025 | 8:00:00 AM | 33.74771 | 60.10498 | 26.35727 | 21.37273 | 47.32998 | 13.58227 | 25.06773 | 48.64099 | 14.89328 | 24.45672 | 41.38082 | 7.63311 | 22.17689 | 44.53796 | 10.79025 | 55.41975 |
| 5/10/2025 | 9:00:00 AM | 33.74771 | 60.08356 | 26.33585 | 21.39415 | 47.32662 | 13.57891 | 25.07109 | 48.63029 | 14.88258 | 24.46742 | 41.36651 | 7.6188 | 22.1912 | 44.53438 | 10.78667 | 55.42333 |
| 5/10/2025 | 10:00:00 AM | 33.75105 | 60.07999 | 26.32894 | 21.40106 | 47.32327 | 13.57222 | 25.07778 | 48.62673 | 14.87568 | 24.47432 | 41.34862 | 7.59757 | 22.21243 | 44.52009 | 10.76904 | 55.44096 |
| 5/10/2025 | 11:00:00 AM | 33.76443 | 60.07999 | 26.31556 | 21.41444 | 47.32327 | 13.55884 | 25.09116 | 48.63029 | 14.86586 | 24.48414 | 41.35935 | 7.59492 | 22.21508 | 44.53081 | 10.76638 | 55.44362 |
| 5/10/2025 | 12:00:00 PM | 33.77446 | 60.08356 | 26.3091 | 21.4209 | 47.34004 | 13.56558 | 25.08442 | 48.63386 | 14.8594 | 24.4906 | 41.36293 | 7.58847 | 22.22153 | 44.54153 | 10.76707 | 55.44293 |
| 5/10/2025 | 1:00:00 PM | 33.7778 | 60.08356 | 26.30576 | 21.42424 | 47.32327 | 13.54547 | 25.10453 | 48.62316 | 14.84536 | 24.50464 | 41.34862 | 7.57082 | 22.23918 | 44.52724 | 10.74944 | 55.46056 |
| 5/10/2025 | 2:00:00 PM | 33.7778 | 60.08356 | 26.30576 | 21.42424 | 47.31991 | 13.54211 | 25.10789 | 48.63029 | 14.85249 | 24.49751 | 41.34146 | 7.56366 | 22.24634 | 44.53081 | 10.75301 | 55.45699 |
| 5/10/2025 | 3:00:00 PM | 33.70424 | 60.07284 | 26.3686 | 21.3614 | 47.30985 | 13.60561 | 25.04439 | 48.6196 | 14.91536 | 24.43464 | 41.34146 | 7.63722 | 22.17278 | 44.52724 | 10.823 | 55.387 |
| 5/10/2025 | 4:00:00 PM | 33.70424 | 60.05499 | 26.35075 | 21.37925 | 47.29308 | 13.58884 | 25.06116 | 48.60534 | 14.9011 | 24.4489 | 41.33431 | 7.63007 | 22.17993 | 44.52366 | 10.81942 | 55.39058 |
| 5/10/2025 | 5:00:00 PM | 33.70758 | 60.04428 | 26.3367 | 21.3933 | 47.26625 | 13.55867 | 25.09133 | 48.58394 | 14.87636 | 24.47364 | 41.32 | 7.61242 | 22.19758 | 44.50937 | 10.80179 | 55.40821 |
| 5/10/2025 | 6:00:00 PM | 33.72764 | 60.02999 | 26.30235 | 21.42765 | 47.25954 | 13.5319 | 25.1181 | 48.57681 | 14.84917 | 24.50083 | 41.31284 | 7.5852 | 22.2248 | 44.50579 | 10.77815 | 55.43185 |
| 5/10/2025 | 7:00:00 PM | 33.71427 | 60.02642 | 26.31215 | 21.41785 | 47.24277 | 13.5285 | 25.1215 | 48.57325 | 14.85898 | 24.49102 | 41.31284 | 7.59857 | 22.21143 | 44.50579 | 10.79152 | 55.41848 |
| 5/10/2025 | 8:00:00 PM | 33.69755 | 60.02285 | 26.3253 | 21.4047 | 47.21594 | 13.51839 | 25.13161 | 48.57325 | 14.8757 | 24.4743 | 41.30569 | 7.60814 | 22.20186 | 44.50222 | 10.80467 | 55.40533 |
| 5/10/2025 | 9:00:00 PM | 33.67748 | 60.01214 | 26.33466 | 21.39534 | 47.19917 | 13.52169 | 25.12831 | 48.55186 | 14.87438 | 24.47562 | 41.29853 | 7.62105 | 22.18895 | 44.48792 | 10.81044 | 55.39956 |
| 5/10/2025 | 10:00:00 PM | 33.66411 | 60.00143 | 26.33732 | 21.39268 | 47.19582 | 13.53171 | 25.11829 | 48.54116 | 14.87705 | 24.47295 | 41.2878 | 7.62369 | 22.18631 | 44.49507 | 10.83096 | 55.37904 |
| 5/10/2025 | 11:00:00 PM | 33.64739 | 59.98357 | 26.33618 | 21.39382 | 47.17905 | 13.53166 | 25.11834 | 48.52334 | 14.87595 | 24.47405 | 41.27349 | 7.6261 | 22.1839 | 44.47005 | 10.82266 | 55.38734 |
| 5/11/2025 | 12:00:00 AM | 33.62732 | 59.97286 | 26.34554 | 21.38446 | 47.15557 | 13.52825 | 25.12175 | 48.50194 | 14.87462 | 24.47538 | 41.26275 | 7.63543 | 22.17457 | 44.45933 | 10.83201 | 55.37799 |
| 5/11/2025 | 1:00:00 AM | 33.62732 | 59.95501 | 26.32769 | 21.40231 | 47.15222 | 13.5249 | 25.1251 | 48.48412 | 14.8568 | 24.4932 | 41.25917 | 7.63185 | 22.17815 | 44.45933 | 10.83201 | 55.37799 |
| 5/11/2025 | 2:00:00 AM | 33.6106 | 59.95858 | 26.34798 | 21.38202 | 47.15222 | 13.54162 | 25.10838 | 48.47699 | 14.86639 | 24.48361 | 41.25202 | 7.64142 | 22.16858 | 44.45933 | 10.84873 | 55.36127 |
| 5/11/2025 | 3:00:00 AM | 33.60392 | 59.94429 | 26.34037 | 21.38963 | 47.14551 | 13.54159 | 25.10841 | 48.4556 | 14.85168 | 24.49832 | 41.24129 | 7.63737 | 22.17263 | 44.45218 | 10.84826 | 55.36174 |
| 5/11/2025 | 4:00:00 AM | 33.60392 | 59.94786 | 26.34394 | 21.38606 | 47.14551 | 13.54159 | 25.10841 | 48.46273 | 14.85881 | 24.49119 | 41.23413 | 7.63021 | 22.17979 | 44.45218 | 10.84826 | 55.36174 |
| 5/11/2025 | 5:00:00 AM | 33.59388 | 59.93715 | 26.34327 | 21.38673 | 47.1388 | 13.54492 | 25.10508 | 48.45203 | 14.85815 | 24.49185 | 41.23055 | 7.63667 | 22.17333 | 44.45218 | 10.8583 | 55.3517 |
| 5/11/2025 | 6:00:00 AM | 33.59054 | 59.9193 | 26.32876 | 21.40124 | 47.12539 | 13.53485 | 25.11515 | 48.43064 | 14.8401 | 24.5099 | 41.20551 | 7.61497 | 22.19503 | 44.44146 | 10.85092 | 55.35908 |
| 5/11/2025 | 7:00:00 AM | 33.5872 | 59.9193 | 26.3321 | 21.3979 | 47.12539 | 13.53819 | 25.11181 | 48.42707 | 14.83987 | 24.51013 | 41.20551 | 7.61831 | 22.19169 | 44.43789 | 10.85069 | 55.35931 |
| 5/11/2025 | 8:00:00 AM | 33.59054 | 59.90144 | 26.3109 | 21.4191 | 47.10191 | 13.51137 | 25.13863 | 48.41281 | 14.82227 | 24.52773 | 41.18404 | 7.5935 | 22.2165 | 44.43074 | 10.8402 | 55.3698 |
| 5/11/2025 | 9:00:00 AM | 33.59054 | 59.88716 | 26.29662 | 21.43338 | 47.10191 | 13.51137 | 25.13863 | 48.40212 | 14.81158 | 24.53842 | 41.18046 | 7.58992 | 22.22008 | 44.42717 | 10.83663 | 55.37337 |
| 5/11/2025 | 10:00:00 AM | 33.5872 | 59.87645 | 26.28925 | 21.44075 | 47.08514 | 13.49794 | 25.15206 | 48.39142 | 14.80422 | 24.54578 | 41.16973 | 7.58253 | 22.22747 | 44.41287 | 10.82567 | 55.38433 |
| 5/11/2025 | 11:00:00 AM | 33.59723 | 59.85859 | 26.26136 | 21.46864 | 47.07173 | 13.4745 | 25.1755 | 48.36646 | 14.76923 | 24.58077 | 41.15542 | 7.55819 | 22.25181 | 44.40572 | 10.80849 | 55.40151 |
| 5/11/2025 | 12:00:00 PM | 33.60392 | 59.86216 | 26.25824 | 21.47176 | 47.06837 | 13.46445 | 25.18555 | 48.36646 | 14.76254 | 24.58746 | 41.14826 | 7.54434 | 22.26566 | 44.4093 | 10.80538 | 55.40462 |
| 5/11/2025 | 1:00:00 PM | 33.60726 | 59.83717 | 26.22991 | 21.50009 | 47.0449 | 13.43764 | 25.21236 | 48.34864 | 14.74138 | 24.60862 | 41.14111 | 7.53385 | 22.27615 | 44.39143 | 10.78417 | 55.42583 |
| 5/11/2025 | 2:00:00 PM | 33.6106 | 59.8336 | 26.223 | 21.507 | 47.04154 | 13.43094 | 25.21906 | 48.3522 | 14.7416 | 24.6084 | 41.13037 | 7.51977 | 22.29023 | 44.40215 | 10.79155 | 55.41845 |
| 5/11/2025 | 3:00:00 PM | 33.61395 | 59.8336 | 26.21965 | 21.51035 | 47.02813 | 13.41418 | 25.23582 | 48.34507 | 14.73112 | 24.61888 | 41.13753 | 7.52358 | 22.28642 | 44.40572 | 10.79177 | 55.41823 |
| 5/11/2025 | 4:00:00 PM | 33.61395 | 59.81574 | 26.20179 | 21.52821 | 47.00465 | 13.3907 | 25.2593 | 48.33081 | 14.71686 | 24.63314 | 41.10891 | 7.49496 | 22.31504 | 44.395 | 10.78105 | 55.42895 |
| 5/11/2025 | 5:00:00 PM | 33.6106 | 59.79789 | 26.18729 | 21.54271 | 46.98453 | 13.37393 | 25.27607 | 48.32011 | 14.70951 | 24.64049 | 41.10175 | 7.49115 | 22.31885 | 44.395 | 10.7844 | 55.4256 |
| 5/11/2025 | 6:00:00 PM | 33.60392 | 59.8086 | 26.20468 | 21.52532 | 46.98117 | 13.37725 | 25.27275 | 48.32368 | 14.71976 | 24.63024 | 41.10533 | 7.50141 | 22.30859 | 44.40215 | 10.79823 | 55.41177 |
| 5/11/2025 | 7:00:00 PM | 33.60392 | 59.82645 | 26.22253 | 21.50747 | 47.00465 | 13.40073 | 25.24927 | 48.34151 | 14.73759 | 24.61241 | 41.11606 | 7.51214 | 22.29786 | 44.42002 | 10.8161 | 55.3939 |
| 5/11/2025 | 8:00:00 PM | 33.59388 | 59.81931 | 26.22543 | 21.50457 | 46.99459 | 13.40071 | 25.24929 | 48.33794 | 14.74406 | 24.60594 | 41.09817 | 7.50429 | 22.30571 | 44.41645 | 10.82257 | 55.38743 |
| 5/11/2025 | 9:00:00 PM | 33.59723 | 59.82288 | 26.22565 | 21.50435 | 47.01471 | 13.41748 | 25.23252 | 48.34507 | 14.74784 | 24.60216 | 41.10533 | 7.5081 | 22.3019 | 44.42359 | 10.82636 | 55.38364 |
| 5/11/2025 | 10:00:00 PM | 33.59388 | 59.83003 | 26.23615 | 21.49385 | 47.01471 | 13.42083 | 25.22917 | 48.34864 | 14.75476 | 24.59524 | 41.0946 | 7.50072 | 22.30928 | 44.42359 | 10.82971 | 55.38029 |
| 5/11/2025 | 11:00:00 PM | 33.57716 | 59.81217 | 26.23501 | 21.49499 | 47.008 | 13.43084 | 25.21916 | 48.33438 | 14.75722 | 24.59278 | 41.07671 | 7.49955 | 22.31045 | 44.41287 | 10.83571 | 55.37429 |
| 5/12/2025 | 12:00:00 AM | 33.57382 | 59.81217 | 26.23835 | 21.49165 | 47.01471 | 13.44089 | 25.20911 | 48.32725 | 14.75343 | 24.59657 | 41.07671 | 7.50289 | 22.30711 | 44.40572 | 10.8319 | 55.3781 |
| 5/12/2025 | 1:00:00 AM | 33.56044 | 59.80146 | 26.24102 | 21.48898 | 47.01136 | 13.45092 | 25.19908 | 48.32725 | 14.76681 | 24.58319 | 41.06955 | 7.50911 | 22.30089 | 44.395 | 10.83456 | 55.37544 |
| 5/12/2025 | 2:00:00 AM | 33.56379 | 59.80146 | 26.23767 | 21.49233 | 47.008 | 13.44421 | 25.20579 | 48.32368 | 14.75989 | 24.59011 | 41.06597 | 7.50218 | 22.30782 | 44.38785 | 10.82406 | 55.38594 |
| 5/12/2025 | 3:00:00 AM | 33.56044 | 59.80146 | 26.24102 | 21.48898 | 47.01806 | 13.45762 | 25.19238 | 48.31655 | 14.75611 | 24.59389 | 41.06955 | 7.50911 | 22.30089 | 44.38785 | 10.82741 | 55.38259 |
| 5/12/2025 | 4:00:00 AM | 33.56379 | 59.80146 | 26.23767 | 21.49233 | 47.02477 | 13.46098 | 25.18902 | 48.33081 | 14.76702 | 24.58298 | 41.06597 | 7.50218 | 22.30782 | 44.39143 | 10.82764 | 55.38236 |
| 5/12/2025 | 5:00:00 AM | 33.5571 | 59.79075 | 26.23365 | 21.49635 | 47.02477 | 13.46767 | 25.18233 | 48.32011 | 14.76301 | 24.58699 | 41.05166 | 7.49456 | 22.31544 | 44.38071 | 10.82361 | 55.38639 |
| 5/12/2025 | 6:00:00 AM | 33.55376 | 59.81217 | 26.25841 | 21.47159 | 47.03483 | 13.48107 | 25.16893 | 48.32725 | 14.77349 | 24.57651 | 41.05882 | 7.50506 | 22.30494 | 44.38785 | 10.83409 | 55.37591 |
| 5/12/2025 | 7:00:00 AM | 33.56713 | 59.81574 | 26.24861 | 21.48139 | 47.05831 | 13.49118 | 25.15882 | 48.33794 | 14.77081 | 24.57919 | 41.06597 | 7.49884 | 22.31116 | 44.40215 | 10.83502 | 55.37498 |
| 5/12/2025 | 8:00:00 AM | 33.57382 | 59.81217 | 26.23835 | 21.49165 | 47.06166 | 13.48784 | 25.16216 | 48.34507 | 14.77125 | 24.57875 | 41.05524 | 7.48142 | 22.32858 | 44.40215 | 10.82833 | 55.38167 |
| 5/12/2025 | 9:00:00 AM | 33.57716 | 59.8086 | 26.23144 | 21.49856 | 47.06837 | 13.49121 | 25.15879 | 48.34151 | 14.76435 | 24.58565 | 41.04808 | 7.47092 | 22.33908 | 44.39858 | 10.82142 | 55.38858 |
| 5/12/2025 | 10:00:00 AM | 33.59054 | 59.8086 | 26.21806 | 21.51194 | 47.06166 | 13.47112 | 25.17888 | 48.34507 | 14.75453 | 24.59547 | 41.04808 | 7.45754 | 22.35246 | 44.39143 | 10.80089 | 55.40911 |
| 5/12/2025 | 11:00:00 AM | 33.59388 | 59.81931 | 26.22543 | 21.50457 | 47.07843 | 13.48455 | 25.16545 | 48.34507 | 14.75119 | 24.59881 | 41.05524 | 7.46136 | 22.34864 | 44.39143 | 10.79755 | 55.41245 |
| 5/12/2025 | 12:00:00 PM | 33.60726 | 59.82288 | 26.21562 | 21.51438 | 47.0952 | 13.48794 | 25.16206 | 48.37003 | 14.76277 | 24.58723 | 41.06597 | 7.45871 | 22.35129 | 44.40215 | 10.79489 | 55.41511 |
| 5/12/2025 | 1:00:00 PM | 33.6106 | 59.82288 | 26.21228 | 21.51772 | 47.09856 | 13.48796 | 25.16204 | 48.3629 | 14.7523 | 24.5977 | 41.05524 | 7.44464 | 22.36536 | 44.38785 | 10.77725 | 55.43275 |
| 5/12/2025 | 2:00:00 PM | 33.6407 | 59.82288 | 26.18218 | 21.54782 | 47.09856 | 13.45786 | 25.19214 | 48.3629 | 14.7222 | 24.6278 | 41.04808 | 7.40738 | 22.40262 | 44.38785 | 10.74715 | 55.46285 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/12/2025 | 3:00:00 PM | 33.63736 | 59.81217 | 26.17481 | 21.55519 | 47.09185 | 13.45449 | 25.19551 | 48.3629 | 14.72554 | 24.62446 | 41.04808 | 7.41072 | 22.39928 | 44.38785 | 10.75049 | 55.45951 |
| 5/12/2025 | 4:00:00 PM | 33.63736 | 59.8086 | 26.17124 | 21.55876 | 47.07843 | 13.44107 | 25.20893 | 48.3522 | 14.71484 | 24.63516 | 41.03735 | 7.39999 | 22.41001 | 44.36641 | 10.72905 | 55.48095 |
| 5/12/2025 | 5:00:00 PM | 33.64404 | 59.8086 | 26.16456 | 21.56544 | 47.08179 | 13.43775 | 25.21225 | 48.35577 | 14.71173 | 24.63827 | 41.04451 | 7.40047 | 22.40953 | 44.36998 | 10.72594 | 55.48406 |
| 5/12/2025 | 6:00:00 PM | 33.65073 | 59.81574 | 26.16501 | 21.56499 | 47.08179 | 13.43106 | 25.21894 | 48.37003 | 14.7193 | 24.6307 | 41.05166 | 7.40093 | 22.40907 | 44.38785 | 10.73712 | 55.47288 |
| 5/12/2025 | 7:00:00 PM | 33.65073 | 59.82645 | 26.17572 | 21.55428 | 47.0885 | 13.43777 | 25.21223 | 48.37359 | 14.72286 | 24.62714 | 41.04808 | 7.39735 | 22.41265 | 44.38428 | 10.73355 | 55.47645 |
| 5/12/2025 | 8:00:00 PM | 33.65073 | 59.84788 | 26.19715 | 21.53285 | 47.10191 | 13.45118 | 25.19882 | 48.39499 | 14.74426 | 24.60574 | 41.07313 | 7.4224 | 22.3876 | 44.4093 | 10.75857 | 55.45143 |
| 5/12/2025 | 9:00:00 PM | 33.64739 | 59.85502 | 26.20763 | 21.52237 | 47.11197 | 13.46458 | 25.18542 | 48.40925 | 14.76186 | 24.58814 | 41.08386 | 7.43647 | 22.37353 | 44.41645 | 10.76906 | 55.44094 |
| 5/12/2025 | 10:00:00 PM | 33.64404 | 59.88002 | 26.23598 | 21.49402 | 47.12874 | 13.4847 | 25.1653 | 48.4342 | 14.79016 | 24.55984 | 41.08386 | 7.43982 | 22.37018 | 44.43789 | 10.79385 | 55.41615 |
| 5/12/2025 | 11:00:00 PM | 33.64739 | 59.89073 | 26.24334 | 21.48666 | 47.14887 | 13.50148 | 25.14852 | 48.44133 | 14.79394 | 24.55606 | 41.09102 | 7.44363 | 22.36637 | 44.42717 | 10.77978 | 55.43022 |
| 5/13/2025 | 12:00:00 AM | 33.63736 | 59.89073 | 26.25337 | 21.47663 | 47.15557 | 13.51821 | 25.13179 | 48.44133 | 14.80397 | 24.54603 | 41.0946 | 7.45724 | 22.35276 | 44.43074 | 10.79338 | 55.41662 |
| 5/13/2025 | 1:00:00 AM | 33.64404 | 59.90144 | 26.2574 | 21.4726 | 47.17234 | 13.5283 | 25.1217 | 48.4556 | 14.81156 | 24.53844 | 41.09817 | 7.45413 | 22.35587 | 44.43431 | 10.79027 | 55.41973 |
| 5/13/2025 | 2:00:00 AM | 33.65073 | 59.90501 | 26.25428 | 21.47572 | 47.17905 | 13.52832 | 25.12168 | 48.46629 | 14.81556 | 24.53444 | 41.10175 | 7.45102 | 22.35898 | 44.42717 | 10.77644 | 55.43356 |
| 5/13/2025 | 3:00:00 AM | 33.65073 | 59.9193 | 26.26857 | 21.46143 | 47.19917 | 13.54844 | 25.10156 | 48.47699 | 14.82626 | 24.52374 | 41.11248 | 7.46175 | 22.34825 | 44.43431 | 10.78358 | 55.42642 |
| 5/13/2025 | 4:00:00 AM | 33.65742 | 59.93358 | 26.27616 | 21.45384 | 47.22936 | 13.57194 | 25.07806 | 48.49838 | 14.84096 | 24.50904 | 41.13037 | 7.47295 | 22.33705 | 44.45218 | 10.79476 | 55.41524 |
| 5/13/2025 | 5:00:00 AM | 33.66076 | 59.94429 | 26.28353 | 21.44647 | 47.23942 | 13.57866 | 25.07134 | 48.5162 | 14.85544 | 24.49456 | 41.13037 | 7.46961 | 22.34039 | 44.44504 | 10.78428 | 55.42572 |
| 5/13/2025 | 6:00:00 AM | 33.67414 | 59.96572 | 26.29158 | 21.43842 | 47.2629 | 13.58876 | 25.06124 | 48.52334 | 14.8492 | 24.5008 | 41.13753 | 7.46339 | 22.34661 | 44.45576 | 10.78162 | 55.42838 |
| 5/13/2025 | 7:00:00 AM | 33.68083 | 59.97286 | 26.29203 | 21.43797 | 47.27967 | 13.59884 | 25.05116 | 48.54473 | 14.8639 | 24.4861 | 41.15542 | 7.47459 | 22.33541 | 44.46291 | 10.78208 | 55.42792 |
| 5/13/2025 | 8:00:00 AM | 33.68752 | 59.98714 | 26.29962 | 21.43038 | 47.29979 | 13.61227 | 25.03773 | 48.55899 | 14.87147 | 24.47853 | 41.16257 | 7.47505 | 22.33495 | 44.45933 | 10.77181 | 55.43819 |
| 5/13/2025 | 9:00:00 AM | 33.70424 | 59.99429 | 26.29005 | 21.43995 | 47.32327 | 13.61903 | 25.03097 | 48.57325 | 14.86901 | 24.48099 | 41.17331 | 7.46907 | 22.34093 | 44.46291 | 10.75867 | 55.45133 |
| 5/13/2025 | 10:00:00 AM | 33.71092 | 60.00143 | 26.29051 | 21.43949 | 47.33668 | 13.62576 | 25.02424 | 48.58394 | 14.87302 | 24.47698 | 41.17331 | 7.46239 | 22.34761 | 44.46648 | 10.75556 | 55.45444 |
| 5/13/2025 | 11:00:00 AM | 33.71092 | 60.01928 | 26.30836 | 21.42164 | 47.3501 | 13.63918 | 25.01082 | 48.59464 | 14.88372 | 24.46628 | 41.18046 | 7.46954 | 22.34046 | 44.46291 | 10.75199 | 55.45801 |
| 5/13/2025 | 12:00:00 PM | 33.71761 | 59.99429 | 26.27668 | 21.45332 | 47.34674 | 13.62913 | 25.02087 | 48.57681 | 14.8592 | 24.4908 | 41.16973 | 7.45212 | 22.35788 | 44.43789 | 10.72028 | 55.48972 |
| 5/13/2025 | 1:00:00 PM | 33.72096 | 59.99786 | 26.2769 | 21.4531 | 47.33333 | 13.61237 | 25.03763 | 48.57681 | 14.85585 | 24.49415 | 41.17689 | 7.45593 | 22.35407 | 44.43431 | 10.71335 | 55.49665 |
| 5/13/2025 | 2:00:00 PM | 33.73768 | 60.00857 | 26.27089 | 21.45911 | 47.34339 | 13.60571 | 25.04429 | 48.57681 | 14.83913 | 24.51087 | 41.18762 | 7.44994 | 22.36006 | 44.44504 | 10.70736 | 55.50264 |
| 5/13/2025 | 3:00:00 PM | 33.75105 | 60.01571 | 26.26466 | 21.46534 | 47.34339 | 13.59234 | 25.05766 | 48.58751 | 14.83646 | 24.51354 | 41.19835 | 7.4473 | 22.3627 | 44.44861 | 10.69756 | 55.51244 |
| 5/13/2025 | 4:00:00 PM | 33.75774 | 60.01214 | 26.2544 | 21.4756 | 47.32998 | 13.57224 | 25.07776 | 48.58394 | 14.8262 | 24.5238 | 41.19477 | 7.43703 | 22.37297 | 44.44146 | 10.68372 | 55.52628 |
| 5/13/2025 | 5:00:00 PM | 33.74771 | 60.005 | 26.25729 | 21.47271 | 47.34004 | 13.59233 | 25.05767 | 48.58394 | 14.83623 | 24.51377 | 41.19835 | 7.45064 | 22.35936 | 44.43789 | 10.69018 | 55.51982 |
| 5/13/2025 | 6:00:00 PM | 33.74771 | 59.99786 | 26.25015 | 21.47985 | 47.31321 | 13.5655 | 25.0845 | 48.56255 | 14.81484 | 24.53516 | 41.19835 | 7.45064 | 22.35936 | 44.43074 | 10.68303 | 55.52697 |
| 5/13/2025 | 7:00:00 PM | 33.74436 | 60.01214 | 26.26778 | 21.46222 | 47.30985 | 13.56549 | 25.08451 | 48.56968 | 14.82532 | 24.52468 | 41.20551 | 7.46115 | 22.34885 | 44.43789 | 10.69353 | 55.51647 |
| 5/13/2025 | 8:00:00 PM | 33.74771 | 60.02285 | 26.27514 | 21.45486 | 47.31321 | 13.5655 | 25.0845 | 48.57681 | 14.8291 | 24.5209 | 41.21266 | 7.46495 | 22.34505 | 44.44861 | 10.7009 | 55.5091 |
| 5/13/2025 | 9:00:00 PM | 33.74436 | 60.02999 | 26.28563 | 21.44437 | 47.30985 | 13.56549 | 25.08451 | 48.58751 | 14.84315 | 24.50685 | 41.21624 | 7.47188 | 22.33812 | 44.45933 | 10.71497 | 55.49503 |
| 5/13/2025 | 10:00:00 PM | 33.74102 | 60.02999 | 26.28897 | 21.44103 | 47.32327 | 13.58225 | 25.06775 | 48.59108 | 14.85006 | 24.49994 | 41.2234 | 7.48238 | 22.32762 | 44.45933 | 10.71831 | 55.49169 |
| 5/13/2025 | 11:00:00 PM | 33.74102 | 60.02999 | 26.28897 | 21.44103 | 47.32662 | 13.5856 | 25.0644 | 48.59108 | 14.85006 | 24.49994 | 41.22697 | 7.48595 | 22.32405 | 44.46648 | 10.72546 | 55.48454 |
| 5/14/2025 | 12:00:00 AM | 33.73768 | 60.03714 | 26.29946 | 21.43054 | 47.32662 | 13.58894 | 25.06106 | 48.58751 | 14.84983 | 24.50017 | 41.22697 | 7.48929 | 22.32071 | 44.44861 | 10.71093 | 55.49907 |
| 5/14/2025 | 1:00:00 AM | 33.73768 | 60.04071 | 26.30303 | 21.42697 | 47.34004 | 13.60236 | 25.04764 | 48.59108 | 14.8534 | 24.4966 | 41.23413 | 7.49645 | 22.31355 | 44.45933 | 10.72165 | 55.48835 |
| 5/14/2025 | 2:00:00 AM | 33.73768 | 60.04785 | 26.31017 | 21.41983 | 47.34004 | 13.60236 | 25.04764 | 48.60177 | 14.86409 | 24.48591 | 41.23413 | 7.49645 | 22.31355 | 44.46648 | 10.7288 | 55.4812 |
| 5/14/2025 | 3:00:00 AM | 33.73433 | 60.05499 | 26.32066 | 21.40934 | 47.3501 | 13.61577 | 25.03423 | 48.60177 | 14.86744 | 24.48256 | 41.24129 | 7.50696 | 22.30304 | 44.46648 | 10.73215 | 55.47785 |
| 5/14/2025 | 4:00:00 AM | 33.74102 | 60.06213 | 26.32111 | 21.40889 | 47.36016 | 13.61914 | 25.03086 | 48.61247 | 14.87145 | 24.47855 | 41.24486 | 7.50384 | 22.30616 | 44.48078 | 10.73976 | 55.47024 |
| 5/14/2025 | 5:00:00 AM | 33.73099 | 60.05499 | 26.324 | 21.406 | 47.36687 | 13.63588 | 25.01412 | 48.61247 | 14.88148 | 24.46852 | 41.25202 | 7.52103 | 22.28897 | 44.47005 | 10.73906 | 55.47094 |
| 5/14/2025 | 6:00:00 AM | 33.73768 | 60.0657 | 26.32802 | 21.40198 | 47.38028 | 13.6426 | 25.0074 | 48.62316 | 14.88548 | 24.46452 | 41.2556 | 7.51792 | 22.29208 | 44.48792 | 10.75024 | 55.45976 |
| 5/14/2025 | 7:00:00 AM | 33.74102 | 60.0907 | 26.34968 | 21.38032 | 47.40041 | 13.65939 | 24.99061 | 48.63742 | 14.8964 | 24.4536 | 41.25917 | 7.51815 | 22.29185 | 44.49507 | 10.75405 | 55.45595 |
| 5/14/2025 | 8:00:00 AM | 33.74436 | 60.08356 | 26.3392 | 21.3908 | 47.39705 | 13.65269 | 24.99731 | 48.64099 | 14.89663 | 24.45337 | 41.25917 | 7.51481 | 22.29519 | 44.48792 | 10.74356 | 55.46644 |
| 5/14/2025 | 9:00:00 AM | 33.73433 | 60.09784 | 26.36351 | 21.36649 | 47.42388 | 13.68955 | 24.96045 | 48.65525 | 14.92092 | 24.42908 | 41.27349 | 7.53916 | 22.27084 | 44.50222 | 10.76789 | 55.44211 |
| 5/14/2025 | 10:00:00 AM | 33.74102 | 60.10855 | 26.36753 | 21.36247 | 47.43059 | 13.68957 | 24.96043 | 48.66595 | 14.92493 | 24.42507 | 41.27706 | 7.53604 | 22.27396 | 44.50937 | 10.76835 | 55.44165 |
| 5/14/2025 | 11:00:00 AM | 33.75105 | 60.1157 | 26.36465 | 21.36535 | 47.45407 | 13.70302 | 24.94698 | 48.67308 | 14.92203 | 24.42797 | 41.28422 | 7.53317 | 22.27683 | 44.50579 | 10.75474 | 55.45526 |
| 5/14/2025 | 12:00:00 PM | 33.75105 | 60.11927 | 26.36822 | 21.36178 | 47.46078 | 13.70973 | 24.94027 | 48.66951 | 14.91846 | 24.43154 | 41.28422 | 7.53317 | 22.27683 | 44.50579 | 10.75474 | 55.45526 |
| 5/14/2025 | 1:00:00 PM | 33.76108 | 60.12284 | 26.36176 | 21.36824 | 47.47419 | 13.71311 | 24.93689 | 48.67664 | 14.91556 | 24.43444 | 41.2878 | 7.52672 | 22.28328 | 44.50937 | 10.74829 | 55.46171 |
| 5/14/2025 | 2:00:00 PM | 33.77112 | 60.12641 | 26.35529 | 21.37471 | 47.47755 | 13.70643 | 24.94357 | 48.68021 | 14.90909 | 24.44091 | 41.29137 | 7.52025 | 22.28975 | 44.50937 | 10.73825 | 55.47175 |
| 5/14/2025 | 3:00:00 PM | 33.78784 | 60.12641 | 26.33857 | 21.39143 | 47.47755 | 13.68971 | 24.96029 | 48.67664 | 14.8888 | 24.4612 | 41.28422 | 7.49638 | 22.31362 | 44.50579 | 10.71795 | 55.49205 |
| 5/14/2025 | 4:00:00 PM | 33.78784 | 60.12998 | 26.34214 | 21.38786 | 47.48761 | 13.69977 | 24.95023 | 48.68377 | 14.89593 | 24.45407 | 41.29495 | 7.50711 | 22.30289 | 44.51294 | 10.7251 | 55.4849 |
| 5/14/2025 | 5:00:00 PM | 33.78449 | 60.14426 | 26.35977 | 21.37023 | 47.49767 | 13.71318 | 24.93682 | 48.69803 | 14.91354 | 24.43646 | 41.30211 | 7.51762 | 22.29238 | 44.52366 | 10.73917 | 55.47083 |
| 5/14/2025 | 6:00:00 PM | 33.78115 | 60.13712 | 26.35597 | 21.37403 | 47.49096 | 13.70981 | 24.94019 | 48.68734 | 14.90619 | 24.44381 | 41.30211 | 7.52096 | 22.28904 | 44.50579 | 10.72464 | 55.48536 |
| 5/14/2025 | 7:00:00 PM | 33.76777 | 60.12641 | 26.35864 | 21.37136 | 47.4809 | 13.71313 | 24.93687 | 48.68377 | 14.916 | 24.434 | 41.29495 | 7.52718 | 22.28282 | 44.50937 | 10.7416 | 55.4684 |
| 5/14/2025 | 8:00:00 PM | 33.77112 | 60.14069 | 26.36957 | 21.36043 | 47.49096 | 13.71984 | 24.93016 | 48.6909 | 14.91978 | 24.43022 | 41.31642 | 7.5453 | 22.2647 | 44.52366 | 10.75254 | 55.45746 |
| 5/14/2025 | 9:00:00 PM | 33.77112 | 60.15497 | 26.38385 | 21.34615 | 47.50438 | 13.73326 | 24.91674 | 48.70873 | 14.93761 | 24.41239 | 41.32715 | 7.55603 | 22.25397 | 44.53081 | 10.75969 | 55.45031 |
| 5/14/2025 | 10:00:00 PM | 33.76108 | 60.14783 | 26.38675 | 21.34325 | 47.51109 | 13.75001 | 24.89999 | 48.70516 | 14.94408 | 24.40592 | 41.31642 | 7.55534 | 22.25466 | 44.53081 | 10.76973 | 55.44027 |
| 5/14/2025 | 11:00:00 PM | 33.76108 | 60.15855 | 26.39747 | 21.33253 | 47.51444 | 13.75336 | 24.89664 | 48.71229 | 14.95121 | 24.39879 | 41.33073 | 7.56965 | 22.24035 | 44.53438 | 10.7733 | 55.4367 |
| 5/15/2025 | 12:00:00 AM | 33.7544 | 60.14426 | 26.38986 | 21.34014 | 47.51444 | 13.76004 | 24.88996 | 48.71943 | 14.96503 | 24.38497 | 41.32 | 7.5656 | 22.2444 | 44.53081 | 10.77641 | 55.43359 |
| 5/15/2025 | 1:00:00 AM | 33.74771 | 60.15855 | 26.41084 | 21.31916 | 47.51444 | 13.76673 | 24.88327 | 48.71943 | 14.97172 | 24.37828 | 41.33073 | 7.58302 | 22.22698 | 44.53438 | 10.78667 | 55.42333 |
| 5/15/2025 | 2:00:00 AM | 33.75105 | 60.16569 | 26.41464 | 21.31536 | 47.52115 | 13.7701 | 24.8799 | 48.72299 | 14.97194 | 24.37806 | 41.33073 | 7.57968 | 22.23032 | 44.54153 | 10.79048 | 55.41952 |
| 5/15/2025 | 3:00:00 AM | 33.75105 | 60.17283 | 26.42178 | 21.30822 | 47.53456 | 13.78351 | 24.86649 | 48.71943 | 14.96838 | 24.38162 | 41.34146 | 7.59041 | 22.21959 | 44.54153 | 10.79048 | 55.41952 |
| 5/15/2025 | 4:00:00 AM | 33.74436 | 60.1764 | 26.43204 | 21.29796 | 47.53121 | 13.78685 | 24.86315 | 48.72656 | 14.9822 | 24.3678 | 41.34146 | 7.5971 | 22.2129 | 44.54153 | 10.79717 | 55.41283 |
| 5/15/2025 | 5:00:00 AM | 33.74771 | 60.17997 | 26.43226 | 21.29774 | 47.53456 | 13.78685 | 24.86315 | 48.72299 | 14.97528 | 24.37472 | 41.33789 | 7.59018 | 22.21982 | 44.53796 | 10.79025 | 55.41975 |
| 5/15/2025 | 6:00:00 AM | 33.74102 | 60.16212 | 26.4211 | 21.3089 | 47.53456 | 13.79354 | 24.85646 | 48.71943 | 14.97841 | 24.37159 | 41.34146 | 7.60044 | 22.20956 | 44.53796 | 10.79694 | 55.41306 |
| 5/15/2025 | 7:00:00 AM | 33.74771 | 60.16569 | 26.41798 | 21.31202 | 47.53121 | 13.7835 | 24.8665 | 48.71943 | 14.97172 | 24.37828 | 41.33789 | 7.59018 | 22.21982 | 44.53796 | 10.79025 | 55.41975 |
| 5/15/2025 | 8:00:00 AM | 33.74771 | 60.16569 | 26.41798 | 21.31202 | 47.53456 | 13.78685 | 24.86315 | 48.71943 | 14.97172 | 24.37828 | 41.34862 | 7.60091 | 22.20909 | 44.54153 | 10.79382 | 55.41618 |
| 5/15/2025 | 9:00:00 AM | 33.75105 | 60.16569 | 26.41464 | 21.31536 | 47.52785 | 13.7768 | 24.8732 | 48.72656 | 14.97551 | 24.37449 | 41.34504 | 7.59399 | 22.21601 | 44.53796 | 10.78691 | 55.42309 |
| 5/15/2025 | 10:00:00 AM | 33.74436 | 60.1514 | 26.40704 | 21.32296 | 47.51779 | 13.77343 | 24.87657 | 48.70873 | 14.96437 | 24.38563 | 41.33789 | 7.59353 | 22.21647 | 44.53081 | 10.78645 | 55.42355 |
| 5/15/2025 | 11:00:00 AM | 33.75774 | 60.15497 | 26.39723 | 21.33277 | 47.51779 | 13.76005 | 24.88995 | 48.70873 | 14.95099 | 24.39901 | 41.34146 | 7.58372 | 22.22628 | 44.52724 | 10.7695 | 55.4405 |
| 5/15/2025 | 12:00:00 PM | 33.76443 | 60.15497 | 26.39054 | 21.33946 | 47.51109 | 13.74666 | 24.90334 | 48.69803 | 14.9336 | 24.4164 | 41.34146 | 7.57703 | 22.23297 | 44.53438 | 10.76995 | 55.44005 |
| 5/15/2025 | 1:00:00 PM | 33.76443 | 60.14426 | 26.37983 | 21.35017 | 47.49767 | 13.73324 | 24.91676 | 48.69447 | 14.93004 | 24.41996 | 41.33789 | 7.57346 | 22.23654 | 44.52366 | 10.75923 | 55.45077 |
| 5/15/2025 | 2:00:00 PM | 33.76443 | 60.1514 | 26.38697 | 21.34303 | 47.49096 | 13.72653 | 24.92347 | 48.6909 | 14.92647 | 24.42353 | 41.34146 | 7.57703 | 22.23297 | 44.53438 | 10.76995 | 55.44005 |
| 5/15/2025 | 3:00:00 PM | 33.77446 | 60.15497 | 26.38051 | 21.34949 | 47.49096 | 13.7165 | 24.9335 | 48.7016 | 14.92714 | 24.42286 | 41.34504 | 7.57058 | 22.23942 | 44.54153 | 10.76707 | 55.44293 |
| 5/15/2025 | 4:00:00 PM | 33.77112 | 60.15497 | 26.38385 | 21.34615 | 47.48425 | 13.71313 | 24.93687 | 48.7016 | 14.93048 | 24.41952 | 41.34504 | 7.57392 | 22.23608 | 44.54868 | 10.77756 | 55.43244 |
| 5/15/2025 | 5:00:00 PM | 33.77112 | 60.14426 | 26.37314 | 21.35686 | 47.47084 | 13.69972 | 24.95028 | 48.6909 | 14.91978 | 24.43022 | 41.33789 | 7.56677 | 22.24323 | 44.53438 | 10.76326 | 55.44674 |
| 5/15/2025 | 6:00:00 PM | 33.76443 | 60.14426 | 26.37983 | 21.35017 | 47.46413 | 13.6997 | 24.9503 | 48.6909 | 14.92647 | 24.42353 | 41.34146 | 7.57703 | 22.23297 | 44.53438 | 10.76995 | 55.44005 |
| 5/15/2025 | 7:00:00 PM | 33.76443 | 60.13712 | 26.37269 | 21.35731 | 47.45072 | 13.68629 | 24.96371 | 48.67308 | 14.90865 | 24.44135 | 41.33073 | 7.5663 | 22.2437 | 44.52724 | 10.76281 | 55.44719 |
| 5/15/2025 | 8:00:00 PM | 33.7544 | 60.13712 | 26.38272 | 21.34728 | 47.45742 | 13.70302 | 24.94698 | 48.68021 | 14.92581 | 24.42419 | 41.33789 | 7.58349 | 22.22651 | 44.54153 | 10.78713 | 55.42287 |
| 5/15/2025 | 9:00:00 PM | 33.75105 | 60.14426 | 26.39321 | 21.33679 | 47.45407 | 13.70302 | 24.94698 | 48.67308 | 14.92203 | 24.42797 | 41.33789 | 7.58684 | 22.22316 | 44.55225 | 10.8012 | 55.4088 |
| 5/15/2025 | 10:00:00 PM | 33.71761 | 60.1514 | 26.43379 | 21.29621 | 47.47084 | 13.75323 | 24.89677 | 48.68377 | 14.96616 | 24.38384 | 41.34504 | 7.62743 | 22.18257 | 44.5594 | 10.84179 | 55.36821 |
| 5/15/2025 | 11:00:00 PM | 33.71092 | 60.14426 | 26.43334 | 21.29666 | 47.46413 | 13.75321 | 24.89679 | 48.67664 | 14.96572 | 24.38428 | 41.33431 | 7.62339 | 22.18661 | 44.55583 | 10.84491 | 55.36509 |
| 5/16/2025 | 12:00:00 AM | 33.70758 | 60.14426 | 26.43668 | 21.29332 | 47.46748 | 13.7599 | 24.8901 | 48.68377 | 14.97619 | 24.37381 | 41.33431 | 7.62673 | 22.18327 | 44.54868 | 10.8411 | 55.3689 |
| 5/16/2025 | 1:00:00 AM | 33.70758 | 60.14069 | 26.43311 | 21.29689 | 47.46748 | 13.7599 | 24.8901 | 48.67308 | 14.9655 | 24.3845 | 41.32715 | 7.61957 | 22.19043 | 44.54868 | 10.8411 | 55.3689 |
| 5/16/2025 | 2:00:00 AM | 33.70424 | 60.13712 | 26.43288 | 21.29712 | 47.46078 | 13.75654 | 24.89346 | 48.66951 | 14.96527 | 24.38473 | 41.32715 | 7.62291 | 22.18709 | 44.54153 | 10.83729 | 55.37271 |
| 5/16/2025 | 3:00:00 AM | 33.69755 | 60.14069 | 26.44314 | 21.28686 | 47.46413 | 13.76658 | 24.88342 | 48.65882 | 14.96127 | 24.38873 | 41.32357 | 7.62602 | 22.18398 | 44.54511 | 10.84756 | 55.36244 |
| 5/16/2025 | 4:00:00 AM | 33.70089 | 60.13355 | 26.43266 | 21.29734 | 47.46413 | 13.76324 | 24.88676 | 48.65525 | 14.95436 | 24.39564 | 41.32357 | 7.62268 | 22.18732 | 44.54511 | 10.84422 | 55.36578 |
| 5/16/2025 | 5:00:00 AM | 33.6942 | 60.12641 | 26.43221 | 21.29779 | 47.46413 | 13.76993 | 24.88007 | 48.65882 | 14.96462 | 24.38538 | 41.32 | 7.6258 | 22.1842 | 44.54511 | 10.85091 | 55.35909 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/16/2025 | 6:00:00 AM | 33.6942 | 60.12284 | 26.42864 | 21.30136 | 47.46748 | 13.77328 | 24.87672 | 48.66238 | 14.96818 | 24.38182 | 41.32357 | 7.62937 | 22.18063 | 44.53796 | 10.84376 | 55.36624 |
| 5/16/2025 | 7:00:00 AM | 33.6942 | 60.13355 | 26.43935 | 21.29065 | 47.46748 | 13.77328 | 24.87672 | 48.64812 | 14.95392 | 24.39608 | 41.31642 | 7.62222 | 22.18778 | 44.54868 | 10.85448 | 55.35552 |
| 5/16/2025 | 8:00:00 AM | 33.69755 | 60.12641 | 26.42886 | 21.30114 | 47.47084 | 13.77329 | 24.87671 | 48.65525 | 14.9577 | 24.3923 | 41.31642 | 7.61887 | 22.19113 | 44.55225 | 10.8547 | 55.3553 |
| 5/16/2025 | 9:00:00 AM | 33.70424 | 60.11927 | 26.41503 | 21.31497 | 47.47419 | 13.76995 | 24.88005 | 48.65882 | 14.95458 | 24.39542 | 41.32357 | 7.61933 | 22.19067 | 44.54868 | 10.84444 | 55.36556 |
| 5/16/2025 | 10:00:00 AM | 33.71092 | 60.12998 | 26.41906 | 21.31094 | 47.47755 | 13.76663 | 24.88337 | 48.65882 | 14.9479 | 24.4021 | 41.31642 | 7.6055 | 22.2045 | 44.55583 | 10.84491 | 55.36509 |
| 5/16/2025 | 11:00:00 AM | 33.70758 | 60.12284 | 26.41526 | 21.31474 | 47.47419 | 13.76661 | 24.88339 | 48.65169 | 14.94411 | 24.40589 | 41.30926 | 7.60168 | 22.20832 | 44.55225 | 10.84467 | 55.36533 |
| 5/16/2025 | 12:00:00 PM | 33.71092 | 60.10855 | 26.39763 | 21.33237 | 47.46748 | 13.75656 | 24.89344 | 48.63742 | 14.9265 | 24.4235 | 41.30569 | 7.59477 | 22.21523 | 44.54511 | 10.83419 | 55.37581 |
| 5/16/2025 | 1:00:00 PM | 33.71427 | 60.10498 | 26.39071 | 21.33929 | 47.45407 | 13.7398 | 24.9102 | 48.63386 | 14.91959 | 24.43041 | 41.29853 | 7.58426 | 22.22574 | 44.53081 | 10.81654 | 55.39346 |
| 5/16/2025 | 2:00:00 PM | 33.71427 | 60.0907 | 26.37643 | 21.35357 | 47.44401 | 13.72974 | 24.92026 | 48.62673 | 14.91246 | 24.43754 | 41.29495 | 7.58068 | 22.22932 | 44.52724 | 10.81297 | 55.39703 |
| 5/16/2025 | 3:00:00 PM | 33.71092 | 60.07999 | 26.36907 | 21.36093 | 47.42388 | 13.71296 | 24.93704 | 48.60534 | 14.89442 | 24.45558 | 41.28064 | 7.56972 | 22.24028 | 44.51294 | 10.80202 | 55.40798 |
| 5/16/2025 | 4:00:00 PM | 33.70424 | 60.05499 | 26.35075 | 21.37925 | 47.40041 | 13.69617 | 24.95383 | 48.58394 | 14.8797 | 24.4703 | 41.26275 | 7.55851 | 22.25149 | 44.50222 | 10.79798 | 55.41202 |
| 5/16/2025 | 5:00:00 PM | 33.69086 | 60.04428 | 26.35342 | 21.37658 | 47.38028 | 13.68942 | 24.96058 | 48.56255 | 14.87169 | 24.47831 | 41.24844 | 7.55758 | 22.25242 | 44.4915 | 10.80064 | 55.40936 |
| 5/16/2025 | 6:00:00 PM | 33.67414 | 60.03357 | 26.35943 | 21.37057 | 47.36016 | 13.68602 | 24.96398 | 48.54829 | 14.87415 | 24.47585 | 41.24129 | 7.56715 | 22.24285 | 44.4772 | 10.80306 | 55.40694 |
| 5/16/2025 | 7:00:00 PM | 33.65073 | 60.00857 | 26.35784 | 21.37216 | 47.33333 | 13.6826 | 24.9674 | 48.52334 | 14.87261 | 24.47739 | 41.2234 | 7.57267 | 22.23733 | 44.46648 | 10.81575 | 55.39425 |
| 5/16/2025 | 8:00:00 PM | 33.63067 | 59.99786 | 26.36719 | 21.36281 | 47.30985 | 13.67918 | 24.97082 | 48.5162 | 14.88553 | 24.46447 | 41.2234 | 7.59273 | 22.21727 | 44.47363 | 10.84296 | 55.36704 |
| 5/16/2025 | 9:00:00 PM | 33.62064 | 59.99429 | 26.37365 | 21.35635 | 47.3065 | 13.68586 | 24.96414 | 48.50194 | 14.8813 | 24.4687 | 41.21624 | 7.5956 | 22.2144 | 44.4772 | 10.85656 | 55.35344 |
| 5/16/2025 | 10:00:00 PM | 33.62398 | 59.98714 | 26.36316 | 21.36684 | 47.29979 | 13.67581 | 24.97419 | 48.50551 | 14.88153 | 24.46847 | 41.21982 | 7.59584 | 22.21416 | 44.48435 | 10.86037 | 55.34963 |
| 5/16/2025 | 11:00:00 PM | 33.60392 | 59.97643 | 26.37251 | 21.35749 | 47.28973 | 13.68581 | 24.96419 | 48.48412 | 14.8802 | 24.4698 | 41.20909 | 7.60517 | 22.20483 | 44.4772 | 10.87328 | 55.33672 |
| 5/17/2025 | 12:00:00 AM | 33.59054 | 59.96929 | 26.37875 | 21.35125 | 47.27296 | 13.68242 | 24.96758 | 48.47699 | 14.88645 | 24.46355 | 41.1912 | 7.60066 | 22.20934 | 44.46648 | 10.87594 | 55.33406 |
| 5/17/2025 | 1:00:00 AM | 33.59054 | 59.96215 | 26.37161 | 21.35839 | 47.26961 | 13.67907 | 24.97093 | 48.46629 | 14.87575 | 24.47425 | 41.18762 | 7.59708 | 22.21292 | 44.47363 | 10.88309 | 55.32691 |
| 5/17/2025 | 2:00:00 AM | 33.59054 | 59.95143 | 26.36089 | 21.36911 | 47.25284 | 13.6623 | 24.9877 | 48.4556 | 14.86506 | 24.48494 | 41.17331 | 7.58277 | 22.22723 | 44.47005 | 10.87951 | 55.33049 |
| 5/17/2025 | 3:00:00 AM | 33.57716 | 59.94786 | 26.3707 | 21.3593 | 47.24948 | 13.67232 | 24.97768 | 48.44846 | 14.8713 | 24.4787 | 41.16615 | 7.58899 | 22.22101 | 44.46291 | 10.88575 | 55.32425 |
| 5/17/2025 | 4:00:00 AM | 33.57048 | 59.93358 | 26.3631 | 21.3669 | 47.23942 | 13.66894 | 24.98106 | 48.43777 | 14.86729 | 24.48271 | 41.15184 | 7.58136 | 22.22864 | 44.46291 | 10.89243 | 55.31757 |
| 5/17/2025 | 5:00:00 AM | 33.57048 | 59.92644 | 26.35596 | 21.37404 | 47.24613 | 13.67565 | 24.97435 | 48.4342 | 14.86372 | 24.48628 | 41.15184 | 7.58136 | 22.22864 | 44.46291 | 10.89243 | 55.31757 |
| 5/17/2025 | 6:00:00 AM | 33.56713 | 59.92644 | 26.35931 | 21.37069 | 47.23942 | 13.67229 | 24.97771 | 48.4342 | 14.86707 | 24.48293 | 41.14468 | 7.57755 | 22.23245 | 44.45933 | 10.8922 | 55.3178 |
| 5/17/2025 | 7:00:00 AM | 33.56713 | 59.93358 | 26.36645 | 21.36355 | 47.25284 | 13.68571 | 24.96429 | 48.4449 | 14.87777 | 24.47223 | 41.14111 | 7.57398 | 22.23602 | 44.4772 | 10.91007 | 55.29993 |
| 5/17/2025 | 8:00:00 AM | 33.57048 | 59.93358 | 26.3631 | 21.3669 | 47.2629 | 13.69242 | 24.95758 | 48.44133 | 14.87085 | 24.47915 | 41.13037 | 7.55989 | 22.25011 | 44.47363 | 10.90315 | 55.30685 |
| 5/17/2025 | 9:00:00 AM | 33.5872 | 59.94072 | 26.35352 | 21.37648 | 47.27631 | 13.68911 | 24.96089 | 48.46273 | 14.87553 | 24.47447 | 41.13753 | 7.55033 | 22.25967 | 44.48792 | 10.90072 | 55.30928 |
| 5/17/2025 | 10:00:00 AM | 33.59054 | 59.96215 | 26.37161 | 21.35839 | 47.29644 | 13.7059 | 24.9441 | 48.48412 | 14.89358 | 24.45642 | 41.13753 | 7.54699 | 22.26301 | 44.4915 | 10.90096 | 55.30904 |
| 5/17/2025 | 11:00:00 AM | 33.59723 | 59.97286 | 26.37563 | 21.35437 | 47.31321 | 13.71598 | 24.93402 | 48.49125 | 14.89402 | 24.45598 | 41.14111 | 7.54388 | 22.26612 | 44.50579 | 10.90856 | 55.30144 |
| 5/17/2025 | 12:00:00 PM | 33.59723 | 59.97643 | 26.3792 | 21.3508 | 47.33333 | 13.7361 | 24.9139 | 48.50551 | 14.90828 | 24.44172 | 41.13753 | 7.5403 | 22.2697 | 44.50579 | 10.90856 | 55.30144 |
| 5/17/2025 | 1:00:00 PM | 33.60726 | 59.98 | 26.37274 | 21.35726 | 47.34339 | 13.73613 | 24.91387 | 48.51977 | 14.91251 | 24.43749 | 41.13753 | 7.53027 | 22.27973 | 44.51294 | 10.90568 | 55.30432 |
| 5/17/2025 | 2:00:00 PM | 33.6106 | 59.98 | 26.3694 | 21.3606 | 47.35681 | 13.74621 | 24.90379 | 48.52334 | 14.91274 | 24.43726 | 41.13753 | 7.52693 | 22.28307 | 44.50937 | 10.89877 | 55.31123 |
| 5/17/2025 | 3:00:00 PM | 33.62732 | 59.99429 | 26.36697 | 21.36303 | 47.37693 | 13.74961 | 24.90039 | 48.5376 | 14.91028 | 24.43972 | 41.14468 | 7.51736 | 22.29264 | 44.51294 | 10.88562 | 55.32438 |
| 5/17/2025 | 4:00:00 PM | 33.63067 | 60.00143 | 26.37076 | 21.35924 | 47.39035 | 13.75968 | 24.89032 | 48.55542 | 14.92475 | 24.42525 | 41.14826 | 7.51759 | 22.29241 | 44.51651 | 10.88584 | 55.32416 |
| 5/17/2025 | 5:00:00 PM | 33.63736 | 59.99429 | 26.35693 | 21.37307 | 47.39705 | 13.75969 | 24.89031 | 48.55186 | 14.9145 | 24.4355 | 41.13753 | 7.50017 | 22.30983 | 44.50937 | 10.87201 | 55.33799 |
| 5/17/2025 | 6:00:00 PM | 33.63067 | 60.005 | 26.37433 | 21.35567 | 47.41047 | 13.7798 | 24.8702 | 48.56612 | 14.93545 | 24.41455 | 41.14468 | 7.51401 | 22.29599 | 44.51294 | 10.88227 | 55.32773 |
| 5/17/2025 | 7:00:00 PM | 33.63736 | 60.00143 | 26.36407 | 21.36593 | 47.41382 | 13.77646 | 24.87354 | 48.56612 | 14.92876 | 24.42124 | 41.14826 | 7.5109 | 22.2991 | 44.51294 | 10.87558 | 55.33442 |
| 5/17/2025 | 8:00:00 PM | 33.62732 | 60.01571 | 26.38839 | 21.34161 | 47.42724 | 13.79992 | 24.85008 | 48.58394 | 14.95662 | 24.39338 | 41.15542 | 7.5281 | 22.2819 | 44.51651 | 10.88919 | 55.32081 |
| 5/17/2025 | 9:00:00 PM | 33.6407 | 60.02642 | 26.38572 | 21.34428 | 47.45072 | 13.81002 | 24.83998 | 48.60534 | 14.96464 | 24.38536 | 41.16615 | 7.52545 | 22.28455 | 44.53081 | 10.89011 | 55.31989 |
| 5/17/2025 | 10:00:00 PM | 33.63736 | 60.04071 | 26.40335 | 21.32665 | 47.47419 | 13.83683 | 24.81317 | 48.62316 | 14.9858 | 24.3642 | 41.17689 | 7.53953 | 22.27047 | 44.54153 | 10.90417 | 55.30583 |
| 5/17/2025 | 11:00:00 PM | 33.6407 | 60.05142 | 26.41072 | 21.31928 | 47.48425 | 13.84355 | 24.80645 | 48.63742 | 14.99672 | 24.35328 | 41.17689 | 7.53619 | 22.27381 | 44.54511 | 10.90441 | 55.30559 |
| 5/18/2025 | 12:00:00 AM | 33.6407 | 60.05856 | 26.41786 | 21.31214 | 47.49432 | 13.85362 | 24.79638 | 48.65169 | 15.01099 | 24.33901 | 41.18046 | 7.53976 | 22.27024 | 44.54153 | 10.90083 | 55.30917 |
| 5/18/2025 | 1:00:00 AM | 33.6407 | 60.05142 | 26.41072 | 21.31928 | 47.50438 | 13.86368 | 24.78632 | 48.64455 | 15.00385 | 24.34615 | 41.18046 | 7.53976 | 22.27024 | 44.53438 | 10.89368 | 55.31632 |
| 5/18/2025 | 2:00:00 AM | 33.64404 | 60.05142 | 26.40738 | 21.32262 | 47.51109 | 13.86705 | 24.78295 | 48.66595 | 15.02191 | 24.32809 | 41.18046 | 7.53642 | 22.27358 | 44.52724 | 10.8832 | 55.3268 |
| 5/18/2025 | 3:00:00 AM | 33.6407 | 60.07642 | 26.43572 | 21.29428 | 47.51779 | 13.87709 | 24.77291 | 48.67308 | 15.03238 | 24.31762 | 41.1912 | 7.5505 | 22.2595 | 44.53796 | 10.89726 | 55.31274 |
| 5/18/2025 | 4:00:00 AM | 33.60726 | 60.07642 | 26.46916 | 21.26084 | 47.52785 | 13.92059 | 24.72941 | 48.67664 | 15.06938 | 24.28062 | 41.20193 | 7.59467 | 22.21533 | 44.53796 | 10.9307 | 55.2793 |
| 5/18/2025 | 5:00:00 AM | 33.60392 | 60.07999 | 26.47607 | 21.25393 | 47.53121 | 13.92729 | 24.72271 | 48.68021 | 15.07629 | 24.27371 | 41.19835 | 7.59443 | 22.21557 | 44.53796 | 10.93404 | 55.27596 |
| 5/18/2025 | 6:00:00 AM | 33.60392 | 60.07642 | 26.4725 | 21.2575 | 47.53792 | 13.934 | 24.716 | 48.69803 | 15.09411 | 24.25589 | 41.20193 | 7.59801 | 22.21199 | 44.53796 | 10.93404 | 55.27596 |
| 5/18/2025 | 7:00:00 AM | 33.61729 | 60.10141 | 26.48412 | 21.24588 | 47.54798 | 13.93069 | 24.71931 | 48.70516 | 15.08787 | 24.26213 | 41.21624 | 7.59895 | 22.21105 | 44.53796 | 10.92067 | 55.28933 |
| 5/18/2025 | 8:00:00 AM | 33.62732 | 60.10855 | 26.48123 | 21.24877 | 47.55133 | 13.92401 | 24.72599 | 48.70873 | 15.08141 | 24.26859 | 41.21982 | 7.5925 | 22.2175 | 44.54868 | 10.92136 | 55.28864 |
| 5/18/2025 | 9:00:00 AM | 33.63736 | 60.11927 | 26.48191 | 21.24809 | 47.57481 | 13.93745 | 24.71255 | 48.73369 | 15.09633 | 24.25367 | 41.23771 | 7.60035 | 22.20965 | 44.5594 | 10.92204 | 55.28796 |
| 5/18/2025 | 10:00:00 AM | 33.65742 | 60.11927 | 26.46185 | 21.26815 | 47.59158 | 13.93416 | 24.71584 | 48.75151 | 15.09409 | 24.25591 | 41.24486 | 7.58744 | 22.22256 | 44.57012 | 10.9127 | 55.2973 |
| 5/18/2025 | 11:00:00 AM | 33.66745 | 60.13355 | 26.4661 | 21.2639 | 47.60164 | 13.93419 | 24.71581 | 48.75864 | 15.09119 | 24.25881 | 41.25202 | 7.58457 | 22.22543 | 44.57012 | 10.90267 | 55.30733 |
| 5/18/2025 | 12:00:00 PM | 33.67748 | 60.14783 | 26.47035 | 21.25965 | 47.61506 | 13.93758 | 24.71242 | 48.7729 | 15.09542 | 24.25458 | 41.2556 | 7.57812 | 22.23188 | 44.5737 | 10.89622 | 55.31378 |
| 5/18/2025 | 1:00:00 PM | 33.68417 | 60.1514 | 26.46723 | 21.26277 | 47.61506 | 13.93089 | 24.71911 | 48.78003 | 15.09586 | 24.25414 | 41.25917 | 7.575 | 22.235 | 44.57012 | 10.88595 | 55.32405 |
| 5/18/2025 | 2:00:00 PM | 33.71092 | 60.14783 | 26.43691 | 21.29309 | 47.60835 | 13.89743 | 24.75257 | 48.78003 | 15.06911 | 24.28089 | 41.2556 | 7.54468 | 22.26532 | 44.5594 | 10.84848 | 55.36152 |
| 5/18/2025 | 3:00:00 PM | 33.73768 | 60.14783 | 26.41015 | 21.31985 | 47.6117 | 13.87402 | 24.77598 | 48.7836 | 15.04592 | 24.30408 | 41.26991 | 7.53223 | 22.27777 | 44.56655 | 10.82887 | 55.38113 |
| 5/18/2025 | 4:00:00 PM | 33.74102 | 60.14783 | 26.40681 | 21.32319 | 47.60835 | 13.86733 | 24.78267 | 48.78003 | 15.03901 | 24.31099 | 41.26633 | 7.52531 | 22.28469 | 44.5594 | 10.81838 | 55.39162 |
| 5/18/2025 | 5:00:00 PM | 33.74102 | 60.14783 | 26.40681 | 21.32319 | 47.59829 | 13.85727 | 24.79273 | 48.78003 | 15.03901 | 24.31099 | 41.27349 | 7.53247 | 22.27753 | 44.54153 | 10.80051 | 55.40949 |
| 5/18/2025 | 6:00:00 PM | 33.74102 | 60.14426 | 26.40324 | 21.32676 | 47.59493 | 13.85391 | 24.79609 | 48.77647 | 15.03545 | 24.31455 | 41.27706 | 7.53604 | 22.27396 | 44.54153 | 10.80051 | 55.40949 |
| 5/18/2025 | 7:00:00 PM | 33.73768 | 60.13712 | 26.39944 | 21.33056 | 47.57481 | 13.83713 | 24.81287 | 48.77647 | 15.03879 | 24.31121 | 41.27349 | 7.53581 | 22.27419 | 44.54511 | 10.80743 | 55.40257 |
| 5/18/2025 | 8:00:00 PM | 33.69755 | 60.13712 | 26.43957 | 21.29043 | 47.55804 | 13.86049 | 24.78951 | 48.75864 | 15.06109 | 24.28891 | 41.27706 | 7.57951 | 22.23049 | 44.53796 | 10.84041 | 55.36959 |
| 5/18/2025 | 9:00:00 PM | 33.6942 | 60.12998 | 26.43578 | 21.29422 | 47.55469 | 13.86049 | 24.78951 | 48.75864 | 15.06444 | 24.28556 | 41.28064 | 7.58644 | 22.22356 | 44.53796 | 10.84376 | 55.36624 |
| 5/18/2025 | 10:00:00 PM | 33.68417 | 60.14426 | 26.46009 | 21.26991 | 47.55469 | 13.87052 | 24.77948 | 48.76221 | 15.07804 | 24.27196 | 41.28064 | 7.59647 | 22.21353 | 44.54868 | 10.86451 | 55.34549 |
| 5/18/2025 | 11:00:00 PM | 33.66411 | 60.12284 | 26.45873 | 21.27127 | 47.52785 | 13.86374 | 24.78626 | 48.73725 | 15.07314 | 24.27686 | 41.26633 | 7.60222 | 22.20778 | 44.52009 | 10.85598 | 55.35402 |
| 5/19/2025 | 12:00:00 AM | 33.65742 | 60.11212 | 26.4547 | 21.2753 | 47.51444 | 13.85702 | 24.79298 | 48.72656 | 15.06914 | 24.28086 | 41.26275 | 7.60533 | 22.20467 | 44.52009 | 10.86267 | 55.34733 |
| 5/19/2025 | 1:00:00 AM | 33.6407 | 60.09784 | 26.45714 | 21.27286 | 47.50438 | 13.86368 | 24.78632 | 48.70873 | 15.06803 | 24.28197 | 41.25917 | 7.61847 | 22.19153 | 44.51651 | 10.87581 | 55.33419 |
| 5/19/2025 | 2:00:00 AM | 33.64404 | 60.08713 | 26.44309 | 21.28691 | 47.49432 | 13.85028 | 24.79972 | 48.69447 | 15.05043 | 24.29957 | 41.2556 | 7.61156 | 22.19844 | 44.50579 | 10.86175 | 55.34825 |
| 5/19/2025 | 3:00:00 AM | 33.62732 | 60.06213 | 26.43481 | 21.29519 | 47.44401 | 13.81669 | 24.83331 | 48.65525 | 15.02793 | 24.32207 | 41.23771 | 7.61039 | 22.19961 | 44.48435 | 10.85703 | 55.35297 |
| 5/19/2025 | 4:00:00 AM | 33.61729 | 60.03714 | 26.41985 | 21.31015 | 47.42388 | 13.80659 | 24.84341 | 48.62673 | 15.00944 | 24.34056 | 41.21624 | 7.59895 | 22.21105 | 44.46648 | 10.84919 | 55.36081 |
| 5/19/2025 | 5:00:00 AM | 33.60057 | 60.01928 | 26.41871 | 21.31129 | 47.40041 | 13.79984 | 24.85016 | 48.60177 | 15.0012 | 24.3488 | 41.19835 | 7.59778 | 22.21222 | 44.46291 | 10.86234 | 55.34766 |
| 5/19/2025 | 6:00:00 AM | 33.60057 | 60.04071 | 26.44014 | 21.28986 | 47.41047 | 13.8099 | 24.8401 | 48.6196 | 15.01903 | 24.33097 | 41.23055 | 7.62998 | 22.18002 | 44.48078 | 10.88021 | 55.32979 |
| 5/19/2025 | 7:00:00 AM | 33.60726 | 60.04785 | 26.44059 | 21.28941 | 47.42053 | 13.81327 | 24.83673 | 48.62673 | 15.01947 | 24.33053 | 41.22697 | 7.61971 | 22.19029 | 44.50579 | 10.89853 | 55.31147 |
| 5/19/2025 | 8:00:00 AM | 33.60726 | 60.02999 | 26.42273 | 21.30727 | 47.40711 | 13.79985 | 24.85015 | 48.61603 | 15.00877 | 24.34123 | 41.20909 | 7.60183 | 22.20817 | 44.49865 | 10.89139 | 55.31861 |
| 5/19/2025 | 9:00:00 AM | 33.60726 | 60.03714 | 26.42988 | 21.30012 | 47.40711 | 13.79985 | 24.85015 | 48.61247 | 15.00521 | 24.34479 | 41.20551 | 7.59825 | 22.21175 | 44.50937 | 10.90211 | 55.30789 |
| 5/19/2025 | 10:00:00 AM | 33.61395 | 60.03714 | 26.42319 | 21.30681 | 47.41718 | 13.80323 | 24.84677 | 48.62673 | 15.01278 | 24.33722 | 41.20193 | 7.58798 | 22.22202 | 44.51651 | 10.90256 | 55.30744 |
| 5/19/2025 | 11:00:00 AM | 33.62732 | 60.05142 | 26.4241 | 21.3059 | 47.4373 | 13.80998 | 24.84002 | 48.64099 | 15.01367 | 24.33633 | 41.21982 | 7.5925 | 22.2175 | 44.53796 | 10.91064 | 55.29936 |
| 5/19/2025 | 12:00:00 PM | 33.5872 | 60.07284 | 26.48564 | 21.24436 | 47.47419 | 13.88699 | 24.76301 | 48.66951 | 15.08231 | 24.26769 | 41.21982 | 7.63262 | 22.17738 | 44.55583 | 10.96863 | 55.24137 |
| 5/19/2025 | 1:00:00 PM | 33.59388 | 60.0657 | 26.47182 | 21.25818 | 47.47419 | 13.88031 | 24.76969 | 48.66238 | 15.0685 | 24.2815 | 41.20551 | 7.61163 | 22.19837 | 44.54153 | 10.94765 | 55.26235 |
| 5/19/2025 | 2:00:00 PM | 33.60726 | 60.07642 | 26.46916 | 21.26084 | 47.48425 | 13.87699 | 24.77301 | 48.67664 | 15.06938 | 24.28062 | 41.21266 | 7.6054 | 22.2046 | 44.55583 | 10.94857 | 55.26143 |
| 5/19/2025 | 3:00:00 PM | 33.6106 | 60.0657 | 26.4551 | 21.2749 | 47.49096 | 13.88036 | 24.76964 | 48.67308 | 15.06248 | 24.28752 | 41.21266 | 7.60206 | 22.20794 | 44.54868 | 10.93808 | 55.27192 |
| 5/19/2025 | 4:00:00 PM | 33.62064 | 60.06927 | 26.44863 | 21.28137 | 47.47755 | 13.85691 | 24.79309 | 48.66951 | 15.04887 | 24.30113 | 41.20551 | 7.58487 | 22.22513 | 44.54153 | 10.92089 | 55.28911 |
| 5/19/2025 | 5:00:00 PM | 33.61395 | 60.06927 | 26.45532 | 21.27468 | 47.48425 | 13.8703 | 24.7797 | 48.68377 | 15.06982 | 24.28018 | 41.20909 | 7.59514 | 22.21486 | 44.54153 | 10.92758 | 55.28242 |
| 5/19/2025 | 6:00:00 PM | 33.62732 | 60.06927 | 26.44195 | 21.28805 | 47.4809 | 13.85358 | 24.79642 | 48.68734 | 15.06002 | 24.28998 | 41.20909 | 7.58177 | 22.22823 | 44.53796 | 10.91064 | 55.29936 |
| 5/19/2025 | 7:00:00 PM | 33.62732 | 60.07999 | 26.45267 | 21.27733 | 47.48761 | 13.86029 | 24.78971 | 48.6909 | 15.06358 | 24.28642 | 41.21266 | 7.58534 | 22.22466 | 44.54868 | 10.92136 | 55.28864 |
| 5/19/2025 | 8:00:00 PM | 33.62732 | 60.07999 | 26.45267 | 21.27733 | 47.49432 | 13.867 | 24.783 | 48.70873 | 15.08141 | 24.26859 | 41.2234 | 7.59608 | 22.21392 | 44.55583 | 10.92851 | 55.28149 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/19/2025 | 9:00:00 PM | 33.63067 | 60.09427 | 26.4636 | 21.2664 | 47.50102 | 13.87035 | 24.77965 | 48.72299 | 15.09232 | 24.25768 | 41.23055 | 7.59988 | 22.21012 | 44.56655 | 10.93588 | 55.27412 |
| 5/19/2025 | 10:00:00 PM | 33.63401 | 60.10141 | 26.4674 | 21.2626 | 47.51779 | 13.88378 | 24.76622 | 48.73369 | 15.09968 | 24.25032 | 41.23413 | 7.60012 | 22.20988 | 44.5737 | 10.93969 | 55.27031 |
| 5/19/2025 | 11:00:00 PM | 33.6407 | 60.11212 | 26.47142 | 21.25858 | 47.5245 | 13.8838 | 24.7662 | 48.74082 | 15.10012 | 24.24988 | 41.23771 | 7.59701 | 22.21299 | 44.57727 | 10.93657 | 55.27343 |
| 5/20/2025 | 12:00:00 AM | 33.63736 | 60.11927 | 26.48191 | 21.24809 | 47.53792 | 13.90056 | 24.74944 | 48.74795 | 15.11059 | 24.23941 | 41.24129 | 7.60393 | 22.20607 | 44.57727 | 10.93991 | 55.27009 |
| 5/20/2025 | 1:00:00 AM | 33.63736 | 60.12284 | 26.48548 | 21.24452 | 47.54462 | 13.90726 | 24.74274 | 48.75508 | 15.11772 | 24.23228 | 41.23771 | 7.60035 | 22.20965 | 44.5737 | 10.93634 | 55.27366 |
| 5/20/2025 | 2:00:00 AM | 33.65073 | 60.12641 | 26.47568 | 21.25432 | 47.55469 | 13.90396 | 24.74604 | 48.76221 | 15.11148 | 24.23852 | 41.25202 | 7.60129 | 22.20871 | 44.57727 | 10.92654 | 55.28346 |
| 5/20/2025 | 3:00:00 AM | 33.64739 | 60.14069 | 26.4933 | 21.2367 | 47.5681 | 13.92071 | 24.72929 | 48.7729 | 15.12551 | 24.22449 | 41.26275 | 7.61536 | 22.19464 | 44.57727 | 10.92988 | 55.28012 |
| 5/20/2025 | 4:00:00 AM | 33.6708 | 60.14783 | 26.47703 | 21.25297 | 47.57816 | 13.90736 | 24.74264 | 48.78003 | 15.10923 | 24.24077 | 41.26633 | 7.59553 | 22.21447 | 44.58442 | 10.91362 | 55.29638 |
| 5/20/2025 | 5:00:00 AM | 33.66411 | 60.14426 | 26.48015 | 21.24985 | 47.57481 | 13.9107 | 24.7393 | 48.7836 | 15.11949 | 24.23051 | 41.26991 | 7.6058 | 22.2042 | 44.58442 | 10.92031 | 55.28969 |
| 5/20/2025 | 6:00:00 AM | 33.68083 | 60.15497 | 26.47414 | 21.25586 | 47.59158 | 13.91075 | 24.73925 | 48.79786 | 15.11703 | 24.23297 | 41.27349 | 7.59266 | 22.21734 | 44.59157 | 10.91074 | 55.29926 |
| 5/20/2025 | 7:00:00 AM | 33.69755 | 60.1764 | 26.47885 | 21.25115 | 47.60499 | 13.90744 | 24.74256 | 48.80499 | 15.10744 | 24.24256 | 41.2878 | 7.59025 | 22.21975 | 44.60229 | 10.90474 | 55.30526 |
| 5/20/2025 | 8:00:00 AM | 33.71761 | 60.18711 | 26.4695 | 21.2605 | 47.62512 | 13.90751 | 24.74249 | 48.82282 | 15.10521 | 24.24479 | 41.29853 | 7.58092 | 22.22908 | 44.61301 | 10.8954 | 55.3146 |
| 5/20/2025 | 9:00:00 AM | 33.73768 | 60.19425 | 26.45657 | 21.27343 | 47.64189 | 13.90421 | 24.74579 | 48.84777 | 15.11009 | 24.23991 | 41.31284 | 7.57516 | 22.23484 | 44.62731 | 10.88963 | 55.32037 |
| 5/20/2025 | 10:00:00 AM | 33.76108 | 60.20854 | 26.44746 | 21.28254 | 47.64859 | 13.88751 | 24.76249 | 48.85134 | 15.09026 | 24.25974 | 41.30926 | 7.54818 | 22.26182 | 44.62016 | 10.85908 | 55.35092 |
| 5/20/2025 | 11:00:00 AM | 33.76108 | 60.19783 | 26.43675 | 21.29325 | 47.65195 | 13.89087 | 24.75913 | 48.84777 | 15.08669 | 24.26331 | 41.30926 | 7.54818 | 22.26182 | 44.61301 | 10.85193 | 55.35807 |
| 5/20/2025 | 12:00:00 PM | 33.76777 | 60.20497 | 26.4372 | 21.2928 | 47.64524 | 13.87747 | 24.77253 | 48.85847 | 15.0907 | 24.2593 | 41.31284 | 7.54507 | 22.26493 | 44.60586 | 10.83809 | 55.37191 |
| 5/20/2025 | 1:00:00 PM | 33.78115 | 60.20854 | 26.42739 | 21.30261 | 47.6553 | 13.87415 | 24.77585 | 48.85847 | 15.07732 | 24.27268 | 41.32357 | 7.54242 | 22.26758 | 44.61301 | 10.83186 | 55.37814 |
| 5/20/2025 | 2:00:00 PM | 33.78449 | 60.20854 | 26.42405 | 21.30595 | 47.64189 | 13.8574 | 24.7926 | 48.86204 | 15.07755 | 24.27245 | 41.32715 | 7.54266 | 22.26734 | 44.61658 | 10.83209 | 55.37791 |
| 5/20/2025 | 3:00:00 PM | 33.78449 | 60.22282 | 26.43833 | 21.29167 | 47.65195 | 13.86746 | 24.78254 | 48.87986 | 15.09537 | 24.25463 | 41.33789 | 7.5534 | 22.2566 | 44.62373 | 10.83924 | 55.37076 |
| 5/20/2025 | 4:00:00 PM | 33.79118 | 60.21211 | 26.42093 | 21.30907 | 47.63182 | 13.84064 | 24.80936 | 48.8656 | 15.07442 | 24.27558 | 41.32357 | 7.53239 | 22.27761 | 44.60229 | 10.81111 | 55.39889 |
| 5/20/2025 | 5:00:00 PM | 33.79452 | 60.20497 | 26.41045 | 21.31955 | 47.63518 | 13.84066 | 24.80934 | 48.85134 | 15.05682 | 24.29318 | 41.33789 | 7.54337 | 22.26663 | 44.60586 | 10.81134 | 55.39866 |
| 5/20/2025 | 6:00:00 PM | 33.79118 | 60.21568 | 26.4245 | 21.3055 | 47.63518 | 13.844 | 24.806 | 48.8656 | 15.07442 | 24.27558 | 41.34504 | 7.55386 | 22.25614 | 44.61658 | 10.8254 | 55.3846 |
| 5/20/2025 | 7:00:00 PM | 33.78784 | 60.23711 | 26.44927 | 21.28073 | 47.64859 | 13.86075 | 24.78925 | 48.8763 | 15.08846 | 24.26154 | 41.35578 | 7.56794 | 22.24206 | 44.62731 | 10.83947 | 55.37053 |
| 5/20/2025 | 8:00:00 PM | 33.78115 | 60.24068 | 26.45953 | 21.27047 | 47.6553 | 13.87415 | 24.77585 | 48.89056 | 15.10941 | 24.24059 | 41.35935 | 7.5782 | 22.2318 | 44.63445 | 10.8533 | 55.3567 |
| 5/20/2025 | 9:00:00 PM | 33.79118 | 60.25139 | 26.46021 | 21.26979 | 47.67207 | 13.88089 | 24.76911 | 48.89056 | 15.09938 | 24.25062 | 41.36651 | 7.57533 | 22.23467 | 44.64518 | 10.854 | 55.356 |
| 5/20/2025 | 10:00:00 PM | 33.81459 | 60.27281 | 26.45822 | 21.27178 | 47.68884 | 13.87425 | 24.77575 | 48.90838 | 15.09379 | 24.25621 | 41.37724 | 7.56265 | 22.24735 | 44.65232 | 10.83773 | 55.37227 |
| 5/20/2025 | 11:00:00 PM | 33.81459 | 60.27638 | 26.46179 | 21.26821 | 47.6989 | 13.88431 | 24.76569 | 48.91552 | 15.10093 | 24.24907 | 41.37724 | 7.56265 | 22.24735 | 44.6559 | 10.84131 | 55.36869 |
| 5/21/2025 | 12:00:00 AM | 33.82128 | 60.27996 | 26.45868 | 21.27132 | 47.71567 | 13.89439 | 24.75561 | 48.92621 | 15.10493 | 24.24507 | 41.38798 | 7.5667 | 22.2433 | 44.66304 | 10.84176 | 55.36824 |
| 5/21/2025 | 1:00:00 AM | 33.83131 | 60.29067 | 26.45936 | 21.27064 | 47.73915 | 13.90784 | 24.74216 | 48.93691 | 15.1056 | 24.2444 | 41.38798 | 7.55667 | 22.25333 | 44.66662 | 10.83531 | 55.37469 |
| 5/21/2025 | 2:00:00 AM | 33.838 | 60.29781 | 26.45981 | 21.27019 | 47.74586 | 13.90786 | 24.74214 | 48.9476 | 15.1096 | 24.2404 | 41.39155 | 7.55355 | 22.25645 | 44.66304 | 10.82504 | 55.38496 |
| 5/21/2025 | 3:00:00 AM | 33.84468 | 60.29424 | 26.44956 | 21.28044 | 47.74921 | 13.90453 | 24.74547 | 48.9476 | 15.10292 | 24.24708 | 41.39513 | 7.55045 | 22.25955 | 44.67019 | 10.82551 | 55.38449 |
| 5/21/2025 | 4:00:00 AM | 33.84468 | 60.30495 | 26.46027 | 21.26973 | 47.76598 | 13.9213 | 24.7287 | 48.95117 | 15.10649 | 24.24351 | 41.40229 | 7.55761 | 22.25239 | 44.66662 | 10.82194 | 55.38806 |
| 5/21/2025 | 5:00:00 AM | 33.84468 | 60.29781 | 26.45313 | 21.27687 | 47.75927 | 13.91459 | 24.73541 | 48.9476 | 15.10292 | 24.24708 | 41.40229 | 7.55761 | 22.25239 | 44.67019 | 10.82551 | 55.38449 |
| 5/21/2025 | 6:00:00 AM | 33.84134 | 60.30852 | 26.46718 | 21.26282 | 47.76598 | 13.92464 | 24.72536 | 48.9583 | 15.11696 | 24.23304 | 41.40944 | 7.5681 | 22.2419 | 44.66304 | 10.8217 | 55.3883 |
| 5/21/2025 | 7:00:00 AM | 33.85472 | 60.31209 | 26.45737 | 21.27263 | 47.77269 | 13.91797 | 24.73203 | 48.9583 | 15.10358 | 24.24642 | 41.40944 | 7.55472 | 22.25528 | 44.67019 | 10.81547 | 55.39453 |
| 5/21/2025 | 8:00:00 AM | 33.84468 | 60.30495 | 26.46027 | 21.26973 | 47.77604 | 13.93136 | 24.71864 | 48.96186 | 15.11718 | 24.23282 | 41.42375 | 7.57907 | 22.23093 | 44.67377 | 10.82909 | 55.38091 |
| 5/21/2025 | 9:00:00 AM | 33.85137 | 60.30852 | 26.45715 | 21.27285 | 47.77269 | 13.92132 | 24.72868 | 48.9583 | 15.10693 | 24.24307 | 41.4166 | 7.56523 | 22.24477 | 44.66304 | 10.81167 | 55.39833 |
| 5/21/2025 | 10:00:00 AM | 33.85806 | 60.29781 | 26.43975 | 21.29025 | 47.75256 | 13.8945 | 24.7555 | 48.95473 | 15.09667 | 24.25333 | 41.4166 | 7.55854 | 22.25146 | 44.65947 | 10.80141 | 55.40859 |
| 5/21/2025 | 11:00:00 AM | 33.8614 | 60.29781 | 26.43641 | 21.29359 | 47.75256 | 13.89116 | 24.75884 | 48.9476 | 15.0862 | 24.2638 | 41.4166 | 7.5552 | 22.2548 | 44.65947 | 10.79807 | 55.41193 |
| 5/21/2025 | 12:00:00 PM | 33.86475 | 60.27996 | 26.41521 | 21.31479 | 47.73915 | 13.8744 | 24.7756 | 48.92978 | 15.06503 | 24.28497 | 41.40586 | 7.54111 | 22.26889 | 44.64518 | 10.78043 | 55.42957 |
| 5/21/2025 | 1:00:00 PM | 33.85472 | 60.24068 | 26.38596 | 21.34404 | 47.6989 | 13.84418 | 24.80582 | 48.89769 | 15.04297 | 24.30703 | 41.3844 | 7.52968 | 22.28032 | 44.61301 | 10.75829 | 55.45171 |
| 5/21/2025 | 2:00:00 PM | 33.87478 | 60.22639 | 26.35161 | 21.37839 | 47.66201 | 13.78723 | 24.86277 | 48.86917 | 14.99439 | 24.35561 | 41.37009 | 7.49531 | 22.31469 | 44.59514 | 10.72036 | 55.48964 |
| 5/21/2025 | 3:00:00 PM | 33.84803 | 60.20497 | 26.35694 | 21.37306 | 47.63182 | 13.78379 | 24.86621 | 48.84064 | 14.99261 | 24.35739 | 41.36293 | 7.5149 | 22.2951 | 44.58799 | 10.73996 | 55.47004 |
| 5/21/2025 | 4:00:00 PM | 33.83465 | 60.18711 | 26.35246 | 21.37754 | 47.59829 | 13.76364 | 24.88636 | 48.82995 | 14.9953 | 24.3547 | 41.3522 | 7.51755 | 22.29245 | 44.57727 | 10.74262 | 55.46738 |
| 5/21/2025 | 5:00:00 PM | 33.82462 | 60.17997 | 26.35535 | 21.37465 | 47.56475 | 13.74013 | 24.90987 | 48.81212 | 14.9875 | 24.3625 | 41.34862 | 7.524 | 22.286 | 44.5737 | 10.74908 | 55.46092 |
| 5/21/2025 | 6:00:00 PM | 33.81124 | 60.15855 | 26.34731 | 21.38269 | 47.54127 | 13.73003 | 24.91997 | 48.79073 | 14.97949 | 24.37051 | 41.33073 | 7.51949 | 22.29051 | 44.5737 | 10.76246 | 55.44754 |
| 5/21/2025 | 7:00:00 PM | 33.79452 | 60.14069 | 26.34617 | 21.38383 | 47.51779 | 13.72327 | 24.92673 | 48.77647 | 14.98195 | 24.36805 | 41.32715 | 7.53263 | 22.27737 | 44.58084 | 10.78632 | 55.42368 |
| 5/21/2025 | 8:00:00 PM | 33.78115 | 60.13355 | 26.3524 | 21.3776 | 47.49096 | 13.70981 | 24.94019 | 48.76934 | 14.98819 | 24.36181 | 41.32357 | 7.54242 | 22.26758 | 44.5737 | 10.79255 | 55.41745 |
| 5/21/2025 | 9:00:00 PM | 33.76443 | 60.13355 | 26.36912 | 21.36088 | 47.47755 | 13.71312 | 24.93688 | 48.75864 | 14.99421 | 24.35579 | 41.31284 | 7.54841 | 22.26159 | 44.58442 | 10.81999 | 55.39001 |
| 5/21/2025 | 10:00:00 PM | 33.75105 | 60.13355 | 26.3825 | 21.3475 | 47.47084 | 13.71979 | 24.93021 | 48.75508 | 15.00403 | 24.34597 | 41.31284 | 7.56179 | 22.24821 | 44.58799 | 10.83694 | 55.37306 |
| 5/21/2025 | 11:00:00 PM | 33.73768 | 60.12641 | 26.38873 | 21.34127 | 47.46413 | 13.72645 | 24.92355 | 48.73725 | 14.99957 | 24.35043 | 41.29853 | 7.56085 | 22.24915 | 44.58799 | 10.85031 | 55.35969 |
| 5/22/2025 | 12:00:00 AM | 33.72764 | 60.11212 | 26.38448 | 21.34552 | 47.45742 | 13.72978 | 24.92022 | 48.73369 | 15.00605 | 24.34395 | 41.29853 | 7.57089 | 22.23911 | 44.58799 | 10.86035 | 55.34965 |
| 5/22/2025 | 1:00:00 AM | 33.71761 | 60.11212 | 26.39451 | 21.33549 | 47.45742 | 13.73981 | 24.91019 | 48.72299 | 15.00538 | 24.34462 | 41.28422 | 7.56661 | 22.24339 | 44.59514 | 10.87753 | 55.33247 |
| 5/22/2025 | 2:00:00 AM | 33.71427 | 60.10141 | 26.38714 | 21.34286 | 47.45407 | 13.7398 | 24.9102 | 48.71943 | 15.00516 | 24.34484 | 41.27706 | 7.56279 | 22.24721 | 44.59514 | 10.88087 | 55.32913 |
| 5/22/2025 | 3:00:00 AM | 33.71092 | 60.10498 | 26.39406 | 21.33594 | 47.46078 | 13.74986 | 24.90014 | 48.72656 | 15.01564 | 24.33436 | 41.28064 | 7.56972 | 22.24028 | 44.59871 | 10.88779 | 55.32221 |
| 5/22/2025 | 4:00:00 AM | 33.71427 | 60.1157 | 26.40143 | 21.32857 | 47.47419 | 13.75992 | 24.89008 | 48.73369 | 15.01942 | 24.33058 | 41.28422 | 7.56995 | 22.24005 | 44.60586 | 10.89159 | 55.31841 |
| 5/22/2025 | 5:00:00 AM | 33.71092 | 60.10498 | 26.39406 | 21.33594 | 47.47084 | 13.75992 | 24.89008 | 48.73369 | 15.02277 | 24.32723 | 41.27706 | 7.56614 | 22.24386 | 44.61301 | 10.90209 | 55.30791 |
| 5/22/2025 | 6:00:00 AM | 33.70758 | 60.10855 | 26.40097 | 21.32903 | 47.4809 | 13.77332 | 24.87668 | 48.74795 | 15.04037 | 24.30963 | 41.27706 | 7.56948 | 22.24052 | 44.61301 | 10.90543 | 55.30457 |
| 5/22/2025 | 7:00:00 AM | 33.70758 | 60.1157 | 26.40812 | 21.32188 | 47.48761 | 13.78003 | 24.86997 | 48.74082 | 15.03324 | 24.31676 | 41.27349 | 7.56591 | 22.24409 | 44.62016 | 10.91258 | 55.29742 |
| 5/22/2025 | 8:00:00 AM | 33.71761 | 60.11927 | 26.40166 | 21.32834 | 47.49096 | 13.77335 | 24.87665 | 48.75508 | 15.03747 | 24.31253 | 41.27706 | 7.55945 | 22.25055 | 44.61658 | 10.89897 | 55.31103 |
| 5/22/2025 | 9:00:00 AM | 33.7243 | 60.12641 | 26.40211 | 21.32789 | 47.50773 | 13.78343 | 24.86657 | 48.75508 | 15.03078 | 24.31922 | 41.26633 | 7.54203 | 22.26797 | 44.62731 | 10.90301 | 55.30699 |
| 5/22/2025 | 10:00:00 AM | 33.73099 | 60.11212 | 26.38113 | 21.34887 | 47.50438 | 13.77339 | 24.87661 | 48.76221 | 15.03122 | 24.31878 | 41.26991 | 7.53892 | 22.27108 | 44.61658 | 10.88559 | 55.32441 |
| 5/22/2025 | 11:00:00 AM | 33.75105 | 60.1157 | 26.36465 | 21.36535 | 47.50102 | 13.74997 | 24.90003 | 48.76577 | 15.01472 | 24.33528 | 41.26275 | 7.5117 | 22.2983 | 44.62373 | 10.87268 | 55.33732 |
| 5/22/2025 | 12:00:00 PM | 33.74771 | 60.10498 | 26.35727 | 21.37273 | 47.49432 | 13.74661 | 24.90339 | 48.75864 | 15.01093 | 24.33907 | 41.25917 | 7.51146 | 22.29854 | 44.61301 | 10.8653 | 55.3447 |
| 5/22/2025 | 1:00:00 PM | 33.76777 | 60.10855 | 26.34078 | 21.38922 | 47.49767 | 13.7299 | 24.9201 | 48.75864 | 14.99087 | 24.35913 | 41.26275 | 7.49498 | 22.31502 | 44.61658 | 10.84881 | 55.36119 |
| 5/22/2025 | 2:00:00 PM | 33.7778 | 60.10855 | 26.33075 | 21.39925 | 47.48761 | 13.70981 | 24.94019 | 48.75508 | 14.97728 | 24.37272 | 41.25917 | 7.48137 | 22.32863 | 44.61658 | 10.83878 | 55.37122 |
| 5/22/2025 | 3:00:00 PM | 33.78784 | 60.10855 | 26.32071 | 21.40929 | 47.4809 | 13.69306 | 24.95694 | 48.75864 | 14.9708 | 24.3792 | 41.25917 | 7.47133 | 22.33867 | 44.61658 | 10.82874 | 55.38126 |
| 5/22/2025 | 4:00:00 PM | 33.78115 | 60.0907 | 26.30955 | 21.42045 | 47.46413 | 13.68298 | 24.96702 | 48.75151 | 14.97036 | 24.37964 | 41.25202 | 7.47087 | 22.33913 | 44.60586 | 10.82471 | 55.38529 |
| 5/22/2025 | 5:00:00 PM | 33.7778 | 60.10141 | 26.32361 | 21.40639 | 47.46078 | 13.68298 | 24.96702 | 48.75508 | 14.97728 | 24.37272 | 41.26275 | 7.48495 | 22.32505 | 44.60944 | 10.83164 | 55.37836 |
| 5/22/2025 | 6:00:00 PM | 33.7778 | 60.09784 | 26.32004 | 21.40996 | 47.45407 | 13.67627 | 24.97373 | 48.75508 | 14.97728 | 24.37272 | 41.2556 | 7.4778 | 22.3322 | 44.61658 | 10.83878 | 55.37122 |
| 5/22/2025 | 7:00:00 PM | 33.76108 | 60.10141 | 26.34033 | 21.38967 | 47.44736 | 13.68628 | 24.96372 | 48.75508 | 14.994 | 24.356 | 41.2556 | 7.49452 | 22.31548 | 44.61301 | 10.85193 | 55.35807 |
| 5/22/2025 | 8:00:00 PM | 33.76108 | 60.11212 | 26.35104 | 21.37896 | 47.45072 | 13.68964 | 24.96036 | 48.75864 | 14.99756 | 24.35244 | 41.26633 | 7.50525 | 22.30475 | 44.62373 | 10.86265 | 55.34735 |
| 5/22/2025 | 9:00:00 PM | 33.74771 | 60.10141 | 26.3537 | 21.3763 | 47.45072 | 13.70301 | 24.94699 | 48.75864 | 15.01093 | 24.33907 | 41.26991 | 7.5222 | 22.2878 | 44.62731 | 10.8796 | 55.3304 |
| 5/22/2025 | 10:00:00 PM | 33.74771 | 60.1157 | 26.36799 | 21.36201 | 47.46078 | 13.71307 | 24.93693 | 48.78003 | 15.03232 | 24.31768 | 41.27349 | 7.52578 | 22.28422 | 44.63445 | 10.88674 | 55.32326 |
| 5/22/2025 | 11:00:00 PM | 33.74436 | 60.12998 | 26.38562 | 21.34438 | 47.4809 | 13.73654 | 24.91346 | 48.78003 | 15.03567 | 24.31433 | 41.27706 | 7.5327 | 22.2773 | 44.63088 | 10.88652 | 55.32348 |
| 5/23/2025 | 12:00:00 AM | 33.74102 | 60.13355 | 26.39253 | 21.33747 | 47.47755 | 13.73653 | 24.91347 | 48.7836 | 15.04258 | 24.30742 | 41.26633 | 7.52531 | 22.28469 | 44.63088 | 10.88986 | 55.32014 |
| 5/23/2025 | 1:00:00 AM | 33.7243 | 60.12641 | 26.40211 | 21.32789 | 47.47755 | 13.75325 | 24.89675 | 48.7729 | 15.0486 | 24.3014 | 41.26633 | 7.54203 | 22.26797 | 44.62373 | 10.89943 | 55.31057 |
| 5/23/2025 | 2:00:00 AM | 33.72096 | 60.11212 | 26.39116 | 21.33884 | 47.4809 | 13.75994 | 24.89006 | 48.7729 | 15.05194 | 24.29806 | 41.26275 | 7.54179 | 22.26821 | 44.62373 | 10.90277 | 55.30723 |
| 5/23/2025 | 3:00:00 AM | 33.72096 | 60.12998 | 26.40902 | 21.32098 | 47.49767 | 13.77671 | 24.87329 | 48.78003 | 15.05907 | 24.29093 | 41.27349 | 7.55253 | 22.25747 | 44.62016 | 10.8992 | 55.3108 |
| 5/23/2025 | 4:00:00 AM | 33.71427 | 60.13355 | 26.41928 | 21.31072 | 47.49767 | 13.7834 | 24.8666 | 48.7836 | 15.06933 | 24.28067 | 41.26633 | 7.55206 | 22.25794 | 44.63088 | 10.91661 | 55.29339 |
| 5/23/2025 | 5:00:00 AM | 33.70758 | 60.13355 | 26.42597 | 21.30403 | 47.50773 | 13.80015 | 24.84985 | 48.77647 | 15.06889 | 24.28111 | 41.26991 | 7.56233 | 22.24767 | 44.62731 | 10.91973 | 55.29027 |
| 5/23/2025 | 6:00:00 AM | 33.70758 | 60.13712 | 26.42954 | 21.30046 | 47.51109 | 13.80351 | 24.84649 | 48.7836 | 15.07602 | 24.27398 | 41.27706 | 7.56948 | 22.24052 | 44.62731 | 10.91973 | 55.29027 |
| 5/23/2025 | 7:00:00 AM | 33.71092 | 60.14426 | 26.43334 | 21.29666 | 47.5245 | 13.81358 | 24.83642 | 48.79786 | 15.08694 | 24.26306 | 41.2878 | 7.57688 | 22.23312 | 44.63803 | 10.92711 | 55.28289 |
| 5/23/2025 | 8:00:00 AM | 33.72096 | 60.14069 | 26.41973 | 21.31027 | 47.5245 | 13.80354 | 24.84646 | 48.79786 | 15.0769 | 24.2731 | 41.28064 | 7.55968 | 22.25032 | 44.62731 | 10.90635 | 55.30365 |
| 5/23/2025 | 9:00:00 AM | 33.72764 | 60.14426 | 26.41662 | 21.31338 | 47.53121 | 13.80357 | 24.84643 | 48.7943 | 15.06666 | 24.28334 | 41.29137 | 7.56373 | 22.24627 | 44.63445 | 10.90681 | 55.30319 |
| 5/23/2025 | 10:00:00 AM | 33.73099 | 60.14783 | 26.41684 | 21.31316 | 47.53121 | 13.80022 | 24.84978 | 48.80143 | 15.07044 | 24.27956 | 41.2878 | 7.55681 | 22.25319 | 44.62731 | 10.89632 | 55.31368 |
| 5/23/2025 | 11:00:00 AM | 33.73433 | 60.14069 | 26.40636 | 21.32364 | 47.53121 | 13.79688 | 24.85312 | 48.80143 | 15.0671 | 24.2829 | 41.2878 | 7.55347 | 22.25653 | 44.62731 | 10.89298 | 55.31702 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/23/2025 | 12:00:00 PM | 33.74771 | 60.13355 | 26.38584 | 21.34416 | 47.51779 | 13.77008 | 24.87992 | 48.79786 | 15.05015 | 24.29985 | 41.28064 | 7.53293 | 22.27707 | 44.63088 | 10.88317 | 55.32683 |
| 5/23/2025 | 1:00:00 PM | 33.7544 | 60.11927 | 26.36487 | 21.36513 | 47.50438 | 13.74998 | 24.90002 | 48.77647 | 15.02207 | 24.32793 | 41.26275 | 7.50835 | 22.30165 | 44.60944 | 10.85504 | 55.35496 |
| 5/23/2025 | 2:00:00 PM | 33.76777 | 60.11212 | 26.34435 | 21.38565 | 47.4809 | 13.71313 | 24.93687 | 48.76577 | 14.998 | 24.352 | 41.26633 | 7.49856 | 22.31144 | 44.59871 | 10.83094 | 55.37906 |
| 5/23/2025 | 3:00:00 PM | 33.78115 | 60.0907 | 26.30955 | 21.42045 | 47.46078 | 13.67963 | 24.97037 | 48.75151 | 14.97036 | 24.37964 | 41.26275 | 7.4816 | 22.3284 | 44.59514 | 10.81399 | 55.39601 |
| 5/23/2025 | 4:00:00 PM | 33.78449 | 60.10141 | 26.31692 | 21.41308 | 47.45072 | 13.66623 | 24.98377 | 48.75508 | 14.97059 | 24.37941 | 41.26275 | 7.47826 | 22.33174 | 44.60229 | 10.8178 | 55.3922 |
| 5/23/2025 | 5:00:00 PM | 33.78449 | 60.10855 | 26.32406 | 21.40594 | 47.45072 | 13.66623 | 24.98377 | 48.75508 | 14.97059 | 24.37941 | 41.26991 | 7.48542 | 22.32458 | 44.60944 | 10.82495 | 55.38505 |
| 5/23/2025 | 6:00:00 PM | 33.78115 | 60.10141 | 26.32026 | 21.40974 | 47.43395 | 13.6528 | 24.9972 | 48.76221 | 14.98106 | 24.36894 | 41.26991 | 7.48876 | 22.32124 | 44.62016 | 10.83901 | 55.37099 |
| 5/23/2025 | 7:00:00 PM | 33.76777 | 60.11212 | 26.34435 | 21.38565 | 47.43059 | 13.66282 | 24.98718 | 48.75508 | 14.98731 | 24.36269 | 41.26991 | 7.50214 | 22.30786 | 44.62016 | 10.85239 | 55.35761 |
| 5/23/2025 | 8:00:00 PM | 33.76443 | 60.10855 | 26.34412 | 21.38588 | 47.43395 | 13.66952 | 24.98048 | 48.76221 | 14.99778 | 24.35222 | 41.26991 | 7.50548 | 22.30452 | 44.62016 | 10.85573 | 55.35427 |
| 5/23/2025 | 9:00:00 PM | 33.75105 | 60.11927 | 26.36822 | 21.36178 | 47.44065 | 13.6896 | 24.9604 | 48.76577 | 15.01472 | 24.33528 | 41.27349 | 7.52244 | 22.28756 | 44.63088 | 10.87983 | 55.33017 |
| 5/23/2025 | 10:00:00 PM | 33.74102 | 60.12284 | 26.38182 | 21.34818 | 47.45072 | 13.7097 | 24.9403 | 48.76934 | 15.02832 | 24.32168 | 41.27706 | 7.53604 | 22.27396 | 44.6416 | 10.90058 | 55.30942 |
| 5/23/2025 | 11:00:00 PM | 33.73433 | 60.11927 | 26.38494 | 21.34506 | 47.44736 | 13.71303 | 24.93697 | 48.76934 | 15.03501 | 24.31499 | 41.26991 | 7.53558 | 22.27442 | 44.62373 | 10.8894 | 55.3206 |
| 5/24/2025 | 12:00:00 AM | 33.7243 | 60.11927 | 26.39497 | 21.33503 | 47.45407 | 13.72977 | 24.92023 | 48.76577 | 15.04147 | 24.30853 | 41.27349 | 7.54919 | 22.26081 | 44.63088 | 10.90658 | 55.30342 |
| 5/24/2025 | 1:00:00 AM | 33.71427 | 60.12998 | 26.41571 | 21.31429 | 47.45407 | 13.7398 | 24.9102 | 48.76577 | 15.0515 | 24.2985 | 41.26991 | 7.55564 | 22.25436 | 44.63445 | 10.92018 | 55.28982 |
| 5/24/2025 | 2:00:00 AM | 33.71092 | 60.1157 | 26.40478 | 21.32522 | 47.45072 | 13.7398 | 24.9102 | 48.76577 | 15.05485 | 24.29515 | 41.26991 | 7.55899 | 22.25101 | 44.62731 | 10.91639 | 55.29361 |
| 5/24/2025 | 3:00:00 AM | 33.70424 | 60.1157 | 26.41146 | 21.31854 | 47.45072 | 13.74648 | 24.90352 | 48.75151 | 15.04727 | 24.30273 | 41.26275 | 7.55851 | 22.25149 | 44.61658 | 10.91234 | 55.29766 |
| 5/24/2025 | 4:00:00 AM | 33.6942 | 60.09784 | 26.40364 | 21.32636 | 47.44736 | 13.75316 | 24.89684 | 48.74082 | 15.04662 | 24.30338 | 41.2556 | 7.5614 | 22.2486 | 44.60586 | 10.91166 | 55.29834 |
| 5/24/2025 | 5:00:00 AM | 33.68417 | 60.09427 | 26.4101 | 21.3199 | 47.4373 | 13.75313 | 24.89687 | 48.73725 | 15.05308 | 24.29692 | 41.26275 | 7.57858 | 22.23142 | 44.60229 | 10.91812 | 55.29188 |
| 5/24/2025 | 6:00:00 AM | 33.67748 | 60.10141 | 26.42393 | 21.30607 | 47.44065 | 13.76317 | 24.88683 | 48.73369 | 15.05621 | 24.29379 | 41.2556 | 7.57812 | 22.23188 | 44.60944 | 10.93196 | 55.27804 |
| 5/24/2025 | 7:00:00 AM | 33.68083 | 60.10141 | 26.42058 | 21.30942 | 47.44065 | 13.75982 | 24.89018 | 48.73725 | 15.05642 | 24.29358 | 41.25202 | 7.57119 | 22.23881 | 44.60944 | 10.92861 | 55.28139 |
| 5/24/2025 | 8:00:00 AM | 33.6708 | 60.08356 | 26.41276 | 21.31724 | 47.43395 | 13.76315 | 24.88685 | 48.71943 | 15.04863 | 24.30137 | 41.25202 | 7.58122 | 22.22878 | 44.60229 | 10.93149 | 55.27851 |
| 5/24/2025 | 9:00:00 AM | 33.67748 | 60.08356 | 26.40608 | 21.32392 | 47.42724 | 13.74976 | 24.90024 | 48.71229 | 15.03481 | 24.31519 | 41.24129 | 7.56381 | 22.24619 | 44.59157 | 10.91409 | 55.29591 |
| 5/24/2025 | 10:00:00 AM | 33.68417 | 60.07284 | 26.38867 | 21.34133 | 47.41047 | 13.7263 | 24.9237 | 48.69803 | 15.01386 | 24.33614 | 41.23055 | 7.54638 | 22.26362 | 44.59157 | 10.9074 | 55.3026 |
| 5/24/2025 | 11:00:00 AM | 33.68752 | 60.05856 | 26.37104 | 21.35896 | 47.40041 | 13.71289 | 24.93711 | 48.68021 | 14.99269 | 24.35731 | 41.2234 | 7.53588 | 22.27412 | 44.57727 | 10.88975 | 55.32025 |
| 5/24/2025 | 12:00:00 PM | 33.70089 | 60.05499 | 26.3541 | 21.3759 | 47.38699 | 13.6861 | 24.9639 | 48.67308 | 14.97219 | 24.33781 | 41.2234 | 7.52251 | 22.28749 | 44.58442 | 10.88353 | 55.32647 |
| 5/24/2025 | 1:00:00 PM | 33.70424 | 60.01928 | 26.31504 | 21.41496 | 47.36687 | 13.66263 | 24.98737 | 48.65525 | 14.95101 | 24.39899 | 41.21266 | 7.50842 | 22.30158 | 44.56655 | 10.86231 | 55.34769 |
| 5/24/2025 | 2:00:00 PM | 33.69755 | 60.01571 | 26.31816 | 21.41184 | 47.33668 | 13.63913 | 25.01087 | 48.64099 | 14.94344 | 24.40656 | 41.20193 | 7.50438 | 22.30562 | 44.5594 | 10.86185 | 55.34815 |
| 5/24/2025 | 3:00:00 PM | 33.68752 | 60.005 | 26.31748 | 21.41252 | 47.3065 | 13.61898 | 25.03102 | 48.62316 | 14.93564 | 24.41436 | 41.19477 | 7.50725 | 22.30275 | 44.54511 | 10.85759 | 55.35241 |
| 5/24/2025 | 4:00:00 PM | 33.6708 | 59.98714 | 26.31634 | 21.41366 | 47.26961 | 13.59881 | 25.05119 | 48.60534 | 14.93454 | 24.41546 | 41.18404 | 7.51324 | 22.29676 | 44.54511 | 10.87431 | 55.33569 |
| 5/24/2025 | 5:00:00 PM | 33.65073 | 59.96929 | 26.31856 | 21.41144 | 47.24277 | 13.59204 | 25.05796 | 48.58038 | 14.92965 | 24.42035 | 41.17331 | 7.52258 | 22.28742 | 44.53796 | 10.88723 | 55.32277 |
| 5/24/2025 | 6:00:00 PM | 33.63067 | 59.97286 | 26.34219 | 21.38781 | 47.23607 | 13.6054 | 25.0446 | 48.58038 | 14.94971 | 24.40029 | 41.16615 | 7.53548 | 22.27452 | 44.54153 | 10.91086 | 55.29914 |
| 5/24/2025 | 7:00:00 PM | 33.62064 | 59.95858 | 26.33794 | 21.39206 | 47.2193 | 13.59866 | 25.05134 | 48.58038 | 14.95974 | 24.39026 | 41.16615 | 7.54551 | 22.26449 | 44.55225 | 10.93161 | 55.27839 |
| 5/24/2025 | 8:00:00 PM | 33.61395 | 59.95858 | 26.34463 | 21.38537 | 47.21594 | 13.60199 | 25.04801 | 48.57681 | 14.96286 | 24.38714 | 41.15542 | 7.54147 | 22.26853 | 44.55225 | 10.9383 | 55.2717 |
| 5/24/2025 | 9:00:00 PM | 33.60057 | 59.95858 | 26.35801 | 21.37199 | 47.20588 | 13.60531 | 25.04469 | 48.57325 | 14.97268 | 24.37732 | 41.15184 | 7.55127 | 22.25873 | 44.5594 | 10.95883 | 55.25117 |
| 5/24/2025 | 10:00:00 PM | 33.5872 | 59.96215 | 26.37495 | 21.35505 | 47.20588 | 13.61868 | 25.03132 | 48.57325 | 14.98605 | 24.36395 | 41.15542 | 7.56822 | 22.24178 | 44.5594 | 10.9722 | 55.2378 |
| 5/24/2025 | 11:00:00 PM | 33.58385 | 59.96215 | 26.3783 | 21.3517 | 47.22265 | 13.6388 | 25.0112 | 48.58394 | 15.00009 | 24.34991 | 41.15184 | 7.56799 | 22.24201 | 44.57012 | 10.98627 | 55.22373 |
| 5/25/2025 | 12:00:00 AM | 33.57048 | 59.96215 | 26.39167 | 21.33833 | 47.2193 | 13.64882 | 25.00118 | 48.57325 | 15.00277 | 24.34723 | 41.14826 | 7.57778 | 22.23222 | 44.5594 | 10.98892 | 55.22108 |
| 5/25/2025 | 1:00:00 AM | 33.56044 | 59.95858 | 26.39814 | 21.33186 | 47.22601 | 13.66557 | 24.98443 | 48.57681 | 15.01637 | 24.33363 | 41.13753 | 7.57709 | 22.23291 | 44.56655 | 11.00611 | 55.20389 |
| 5/25/2025 | 2:00:00 AM | 33.56044 | 59.96929 | 26.40885 | 21.32115 | 47.23607 | 13.67563 | 24.97437 | 48.58038 | 15.01994 | 24.33006 | 41.14826 | 7.58782 | 22.22218 | 44.57012 | 11.00968 | 55.20032 |
| 5/25/2025 | 3:00:00 AM | 33.5571 | 59.97643 | 26.41933 | 21.31067 | 47.25619 | 13.69909 | 24.95091 | 48.59464 | 15.03754 | 24.31246 | 41.15184 | 7.59474 | 22.21526 | 44.5737 | 11.0166 | 55.1934 |
| 5/25/2025 | 4:00:00 AM | 33.55376 | 59.97643 | 26.42267 | 21.30733 | 47.25954 | 13.70578 | 24.94422 | 48.59108 | 15.03732 | 24.31268 | 41.14468 | 7.59092 | 22.21908 | 44.58084 | 11.02708 | 55.18292 |
| 5/25/2025 | 5:00:00 AM | 33.55041 | 59.98 | 26.42959 | 21.30041 | 47.25954 | 13.70913 | 24.94087 | 48.59464 | 15.04423 | 24.30577 | 41.1268 | 7.57639 | 22.23361 | 44.57012 | 11.01971 | 55.19029 |
| 5/25/2025 | 6:00:00 AM | 33.54707 | 59.99071 | 26.44364 | 21.28636 | 47.28638 | 13.73931 | 24.91069 | 48.60534 | 15.05827 | 24.29173 | 41.14468 | 7.59761 | 22.21239 | 44.58084 | 11.03377 | 55.17623 |
| 5/25/2025 | 7:00:00 AM | 33.5571 | 59.99071 | 26.43361 | 21.29639 | 47.29979 | 13.74269 | 24.90731 | 48.6196 | 15.0625 | 24.2875 | 41.14826 | 7.59116 | 22.21884 | 44.58084 | 11.02374 | 55.18626 |
| 5/25/2025 | 8:00:00 AM | 33.56379 | 59.99786 | 26.43407 | 21.29593 | 47.31321 | 13.74942 | 24.90058 | 48.62673 | 15.06294 | 24.28706 | 41.159 | 7.59521 | 22.21479 | 44.58442 | 11.02063 | 55.18937 |
| 5/25/2025 | 9:00:00 AM | 33.56379 | 60.00143 | 26.43764 | 21.29236 | 47.31991 | 13.75612 | 24.89388 | 48.62673 | 15.06294 | 24.28706 | 41.14826 | 7.58447 | 22.22553 | 44.57012 | 11.00633 | 55.20367 |
| 5/25/2025 | 10:00:00 AM | 33.57716 | 59.99429 | 26.41713 | 21.31287 | 47.31321 | 13.73605 | 24.91395 | 48.61247 | 15.03531 | 24.31469 | 41.14468 | 7.56752 | 22.24248 | 44.57012 | 10.99296 | 55.21704 |
| 5/25/2025 | 11:00:00 AM | 33.57716 | 59.97643 | 26.39927 | 21.33073 | 47.29644 | 13.71928 | 24.93072 | 48.6089 | 15.03174 | 24.31826 | 41.13037 | 7.55321 | 22.25679 | 44.55583 | 10.97867 | 55.23133 |
| 5/25/2025 | 12:00:00 PM | 33.59054 | 59.97643 | 26.38589 | 21.34411 | 47.28638 | 13.69584 | 24.95416 | 48.59464 | 15.0041 | 24.3459 | 41.1268 | 7.53626 | 22.27374 | 44.54153 | 10.95099 | 55.25901 |
| 5/25/2025 | 1:00:00 PM | 33.59388 | 59.95858 | 26.3647 | 21.3653 | 47.25954 | 13.66566 | 24.98434 | 48.57681 | 14.98293 | 24.36707 | 41.11964 | 7.52576 | 22.28424 | 44.52724 | 10.93336 | 55.27664 |
| 5/25/2025 | 2:00:00 PM | 33.62064 | 59.93715 | 26.31651 | 21.41349 | 47.23271 | 13.61207 | 25.03793 | 48.56255 | 14.94191 | 24.40809 | 41.11248 | 7.49184 | 22.31816 | 44.52009 | 10.89945 | 55.31055 |
| 5/25/2025 | 3:00:00 PM | 33.62732 | 59.93001 | 26.30269 | 21.42731 | 47.21259 | 13.58527 | 25.06473 | 48.54473 | 14.91741 | 24.43259 | 41.10533 | 7.47801 | 22.33199 | 44.52009 | 10.89277 | 55.31723 |
| 5/25/2025 | 4:00:00 PM | 33.62732 | 59.92287 | 26.29555 | 21.43445 | 47.19247 | 13.56515 | 25.08485 | 48.54116 | 14.91384 | 24.43616 | 41.11248 | 7.48516 | 22.32484 | 44.52009 | 10.89277 | 55.31723 |
| 5/25/2025 | 5:00:00 PM | 33.62732 | 59.92644 | 26.29912 | 21.43088 | 47.19247 | 13.56515 | 25.08485 | 48.54829 | 14.92097 | 24.42903 | 41.11248 | 7.48516 | 22.32484 | 44.53081 | 10.90349 | 55.30651 |
| 5/25/2025 | 6:00:00 PM | 33.61729 | 59.92287 | 26.30558 | 21.42442 | 47.1757 | 13.55841 | 25.09159 | 48.54116 | 14.92387 | 24.42613 | 41.11606 | 7.49877 | 22.31123 | 44.53796 | 10.92067 | 55.28933 |
| 5/25/2025 | 7:00:00 PM | 33.60726 | 59.91573 | 26.30847 | 21.42153 | 47.16899 | 13.56173 | 25.08827 | 48.53403 | 14.92677 | 24.42323 | 41.10891 | 7.50165 | 22.30835 | 44.52724 | 10.91998 | 55.29002 |
| 5/25/2025 | 8:00:00 PM | 33.60057 | 59.92287 | 26.3223 | 21.4077 | 47.16228 | 13.56171 | 25.08829 | 48.5376 | 14.93703 | 24.41297 | 41.10891 | 7.50834 | 22.30166 | 44.53438 | 10.93381 | 55.27619 |
| 5/25/2025 | 9:00:00 PM | 33.60057 | 59.94072 | 26.34015 | 21.38985 | 47.1824 | 13.58183 | 25.06817 | 48.54473 | 14.94416 | 24.40584 | 41.11606 | 7.51549 | 22.29451 | 44.54868 | 10.94811 | 55.26189 |
| 5/25/2025 | 10:00:00 PM | 33.60057 | 59.95501 | 26.35444 | 21.37556 | 47.19917 | 13.5986 | 25.0514 | 48.56255 | 14.96198 | 24.38802 | 41.11606 | 7.51549 | 22.29451 | 44.56298 | 10.96241 | 55.24759 |
| 5/25/2025 | 11:00:00 PM | 33.5872 | 59.94072 | 26.35352 | 21.37648 | 47.20588 | 13.61868 | 25.03132 | 48.56255 | 14.97535 | 24.37465 | 41.10891 | 7.52171 | 22.28829 | 44.5594 | 10.9722 | 55.2378 |
| 5/26/2025 | 12:00:00 AM | 33.5872 | 59.95858 | 26.37138 | 21.35862 | 47.22601 | 13.63881 | 25.01119 | 48.57325 | 14.98605 | 24.36395 | 41.11964 | 7.53244 | 22.27756 | 44.56298 | 10.97578 | 55.23422 |
| 5/26/2025 | 1:00:00 AM | 33.59388 | 59.96929 | 26.37541 | 21.35459 | 47.24948 | 13.6556 | 24.9944 | 48.59108 | 14.9972 | 24.3528 | 41.1268 | 7.53292 | 22.27708 | 44.5737 | 10.97982 | 55.23018 |
| 5/26/2025 | 2:00:00 AM | 33.59054 | 59.96215 | 26.37161 | 21.35839 | 47.23942 | 13.64888 | 25.00112 | 48.58038 | 14.98984 | 24.36016 | 41.10891 | 7.51837 | 22.29163 | 44.56655 | 10.97601 | 55.23399 |
| 5/26/2025 | 3:00:00 AM | 33.59388 | 59.96929 | 26.37541 | 21.35459 | 47.25284 | 13.65896 | 24.99104 | 48.59108 | 14.9972 | 24.3528 | 41.11606 | 7.52218 | 22.28782 | 44.57012 | 10.97624 | 55.23376 |
| 5/26/2025 | 4:00:00 AM | 33.5872 | 59.97643 | 26.38923 | 21.34077 | 47.26625 | 13.67905 | 24.97095 | 48.59108 | 15.00388 | 24.34612 | 41.11606 | 7.52886 | 22.28114 | 44.55583 | 10.96863 | 55.24137 |
| 5/26/2025 | 5:00:00 AM | 33.58385 | 59.96572 | 26.38187 | 21.34813 | 47.25619 | 13.67234 | 24.97766 | 48.57681 | 14.99296 | 24.35704 | 41.11248 | 7.52863 | 22.28137 | 44.55225 | 10.9684 | 55.2416 |
| 5/26/2025 | 6:00:00 AM | 33.59054 | 59.98714 | 26.3966 | 21.3334 | 47.27967 | 13.68913 | 24.96087 | 48.59464 | 15.0041 | 24.3459 | 41.13037 | 7.53983 | 22.27017 | 44.57012 | 10.97958 | 55.23042 |
| 5/26/2025 | 7:00:00 AM | 33.59723 | 59.99429 | 26.39706 | 21.33294 | 47.29979 | 13.70256 | 24.94744 | 48.6196 | 15.02237 | 24.32763 | 41.13753 | 7.5403 | 22.2697 | 44.58442 | 10.98719 | 55.22281 |
| 5/26/2025 | 8:00:00 AM | 33.60392 | 60.01214 | 26.40822 | 21.32178 | 47.31991 | 13.71599 | 24.93401 | 48.62316 | 15.01924 | 24.33076 | 41.14826 | 7.54434 | 22.26566 | 44.58799 | 10.98407 | 55.22593 |
| 5/26/2025 | 9:00:00 AM | 33.62398 | 60.02999 | 26.40601 | 21.32399 | 47.34674 | 13.72276 | 24.92724 | 48.65169 | 15.02771 | 24.32229 | 41.16257 | 7.53859 | 22.27141 | 44.60586 | 10.98188 | 55.22812 |
| 5/26/2025 | 10:00:00 AM | 33.63067 | 60.03714 | 26.40647 | 21.32353 | 47.36351 | 13.73284 | 24.91716 | 48.66238 | 15.03171 | 24.31829 | 41.16973 | 7.53906 | 22.27094 | 44.60586 | 10.97519 | 55.23481 |
| 5/26/2025 | 11:00:00 AM | 33.65073 | 60.05142 | 26.40069 | 21.32931 | 47.39035 | 13.73962 | 24.91038 | 48.68734 | 15.03661 | 24.31339 | 41.18046 | 7.52973 | 22.28027 | 44.62016 | 10.96943 | 55.24057 |
| 5/26/2025 | 12:00:00 PM | 33.66411 | 60.07642 | 26.41231 | 21.31769 | 47.41382 | 13.74971 | 24.90029 | 48.71229 | 15.04818 | 24.30182 | 41.19835 | 7.53424 | 22.27576 | 44.63088 | 10.96677 | 55.24323 |
| 5/26/2025 | 1:00:00 PM | 33.68083 | 60.06927 | 26.38844 | 21.34156 | 47.42053 | 13.7397 | 24.9103 | 48.71229 | 15.03146 | 24.31854 | 41.19477 | 7.51394 | 22.29606 | 44.62016 | 10.93933 | 55.27067 |
| 5/26/2025 | 2:00:00 PM | 33.70424 | 60.08713 | 26.38289 | 21.34711 | 47.42724 | 13.723 | 24.927 | 48.72656 | 15.02232 | 24.32768 | 41.19835 | 7.49411 | 22.31589 | 44.61301 | 10.90877 | 55.30123 |
| 5/26/2025 | 3:00:00 PM | 33.7243 | 60.08356 | 26.35926 | 21.37074 | 47.42053 | 13.69623 | 24.95377 | 48.72299 | 14.99869 | 24.35131 | 41.20193 | 7.47763 | 22.33237 | 44.61301 | 10.88871 | 55.32129 |
| 5/26/2025 | 4:00:00 PM | 33.73099 | 60.08356 | 26.35257 | 21.37743 | 47.41382 | 13.68283 | 24.96717 | 48.72656 | 14.99557 | 24.35443 | 41.20193 | 7.47094 | 22.33906 | 44.61301 | 10.88202 | 55.32798 |
| 5/26/2025 | 5:00:00 PM | 33.73433 | 60.0907 | 26.35637 | 21.37363 | 47.41382 | 13.67949 | 24.97051 | 48.73369 | 14.99936 | 24.35064 | 41.21266 | 7.47833 | 22.33167 | 44.62016 | 10.88583 | 55.32417 |
| 5/26/2025 | 6:00:00 PM | 33.73099 | 60.10141 | 26.37042 | 21.35958 | 47.41047 | 13.67948 | 24.97052 | 48.74082 | 15.00983 | 24.34017 | 41.2234 | 7.49241 | 22.31759 | 44.62373 | 10.89274 | 55.31726 |
| 5/26/2025 | 7:00:00 PM | 33.73433 | 60.11212 | 26.37779 | 21.35221 | 47.41382 | 13.67949 | 24.97051 | 48.75508 | 15.02075 | 24.32925 | 41.23413 | 7.4998 | 22.3102 | 44.63445 | 10.90012 | 55.30988 |
| 5/26/2025 | 8:00:00 PM | 33.75105 | 60.13712 | 26.38607 | 21.34393 | 47.42724 | 13.67619 | 24.97381 | 48.76934 | 15.01829 | 24.33171 | 41.25917 | 7.50812 | 22.30188 | 44.64875 | 10.8977 | 55.3123 |
| 5/26/2025 | 9:00:00 PM | 33.76443 | 60.14783 | 26.3834 | 21.3466 | 47.44065 | 13.67622 | 24.97378 | 48.79073 | 15.0263 | 24.3237 | 41.26991 | 7.50548 | 22.30452 | 44.66662 | 10.90219 | 55.30781 |
| 5/26/2025 | 10:00:00 PM | 33.78449 | 60.15497 | 26.37048 | 21.35952 | 47.45072 | 13.66623 | 24.98377 | 48.7943 | 15.00981 | 24.34019 | 41.26991 | 7.48542 | 22.32458 | 44.66304 | 10.87855 | 55.33145 |
| 5/26/2025 | 11:00:00 PM | 33.77446 | 60.14783 | 26.37337 | 21.35663 | 47.45072 | 13.67626 | 24.97374 | 48.78717 | 15.01271 | 24.33729 | 41.26633 | 7.49187 | 22.31813 | 44.65947 | 10.88501 | 55.32499 |
| 5/27/2025 | 12:00:00 AM | 33.78449 | 60.15855 | 26.37406 | 21.35594 | 47.46413 | 13.67964 | 24.97036 | 48.7943 | 15.00981 | 24.34019 | 41.27706 | 7.49257 | 22.31743 | 44.64518 | 10.86069 | 55.34931 |
| 5/27/2025 | 1:00:00 AM | 33.79787 | 60.16926 | 26.37139 | 21.35861 | 47.4809 | 13.68303 | 24.96697 | 48.79786 | 14.99999 | 24.35001 | 41.29495 | 7.49708 | 22.31292 | 44.6559 | 10.85803 | 55.35197 |
| 5/27/2025 | 2:00:00 AM | 33.80121 | 60.1764 | 26.37519 | 21.35481 | 47.49096 | 13.68975 | 24.96025 | 48.79786 | 14.99665 | 24.35335 | 41.28422 | 7.48301 | 22.32699 | 44.65232 | 10.85111 | 55.35889 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/27/2025 | 3:00:00 AM | 33.8079 | 60.18711 | 26.37921 | 21.35079 | 47.50102 | 13.69312 | 24.95688 | 48.80856 | 15.00066 | 24.34934 | 41.29853 | 7.49063 | 22.31937 | 44.65947 | 10.85157 | 55.35843 |
| 5/27/2025 | 4:00:00 AM | 33.80456 | 60.19068 | 26.38612 | 21.34388 | 47.50102 | 13.69646 | 24.95354 | 48.80856 | 15.004 | 24.346 | 41.29853 | 7.49397 | 22.31603 | 44.66304 | 10.85848 | 55.35152 |
| 5/27/2025 | 5:00:00 AM | 33.81459 | 60.19425 | 26.37966 | 21.35034 | 47.52115 | 13.70656 | 24.94344 | 48.81925 | 15.00466 | 24.34534 | 41.31284 | 7.49825 | 22.31175 | 44.67019 | 10.8556 | 55.3544 |
| 5/27/2025 | 6:00:00 AM | 33.82462 | 60.20854 | 26.38392 | 21.34608 | 47.53456 | 13.70994 | 24.94006 | 48.83351 | 15.00889 | 24.34111 | 41.32715 | 7.50253 | 22.30747 | 44.68091 | 10.85629 | 55.35371 |
| 5/27/2025 | 7:00:00 AM | 33.83465 | 60.21568 | 26.38103 | 21.34897 | 47.54462 | 13.70997 | 24.94003 | 48.83708 | 15.00243 | 24.34757 | 41.32715 | 7.4925 | 22.3175 | 44.68091 | 10.84626 | 55.36374 |
| 5/27/2025 | 8:00:00 AM | 33.83465 | 60.21211 | 26.37746 | 21.35254 | 47.54462 | 13.70997 | 24.94003 | 48.83351 | 14.99886 | 24.35114 | 41.32357 | 7.48892 | 22.32108 | 44.67734 | 10.84269 | 55.36731 |
| 5/27/2025 | 9:00:00 AM | 33.838 | 60.20854 | 26.37054 | 21.35946 | 47.54127 | 13.70327 | 24.94673 | 48.82638 | 14.98838 | 24.36162 | 41.32715 | 7.48915 | 22.32085 | 44.66662 | 10.82862 | 55.38138 |
| 5/27/2025 | 10:00:00 AM | 33.838 | 60.19425 | 26.35625 | 21.37375 | 47.52785 | 13.68985 | 24.96015 | 48.81212 | 14.97412 | 24.37588 | 41.32 | 7.482 | 22.328 | 44.6559 | 10.8179 | 55.3921 |
| 5/27/2025 | 11:00:00 AM | 33.8079 | 60.17997 | 26.37207 | 21.35793 | 47.50773 | 13.69983 | 24.95017 | 48.7943 | 14.9864 | 24.3636 | 41.30926 | 7.50136 | 22.30864 | 44.63803 | 10.83013 | 55.37987 |
| 5/27/2025 | 12:00:00 PM | 33.81124 | 60.16212 | 26.35088 | 21.37912 | 47.4809 | 13.66966 | 24.98034 | 48.7729 | 14.96166 | 24.38834 | 41.30926 | 7.49802 | 22.31198 | 44.62731 | 10.81607 | 55.39393 |
| 5/27/2025 | 1:00:00 PM | 33.82462 | 60.14069 | 26.31607 | 21.41393 | 47.44401 | 13.61939 | 25.03061 | 48.75151 | 14.92689 | 24.42311 | 41.30211 | 7.47749 | 22.33251 | 44.60586 | 10.78124 | 55.42876 |
| 5/27/2025 | 2:00:00 PM | 33.838 | 60.11927 | 26.28127 | 21.44873 | 47.41047 | 13.57247 | 25.07753 | 48.72656 | 14.88856 | 24.46144 | 41.28422 | 7.44622 | 22.36378 | 44.59157 | 10.75357 | 55.45643 |
| 5/27/2025 | 3:00:00 PM | 33.82462 | 60.07642 | 26.2518 | 21.4782 | 47.35345 | 13.52883 | 25.12117 | 48.67664 | 14.85202 | 24.49798 | 41.25917 | 7.43455 | 22.37545 | 44.56655 | 10.74193 | 55.46807 |
| 5/27/2025 | 4:00:00 PM | 33.79787 | 60.05856 | 26.26069 | 21.46931 | 47.30985 | 13.51198 | 25.13802 | 48.63742 | 14.83955 | 24.51045 | 41.24486 | 7.44699 | 22.36301 | 44.5594 | 10.76153 | 55.44847 |
| 5/27/2025 | 5:00:00 PM | 33.77112 | 60.04071 | 26.26959 | 21.46041 | 47.26625 | 13.49513 | 25.15487 | 48.61603 | 14.84491 | 24.50509 | 41.23055 | 7.45943 | 22.35057 | 44.5594 | 10.78828 | 55.42172 |
| 5/27/2025 | 6:00:00 PM | 33.74436 | 60.01571 | 26.27135 | 21.45865 | 47.23607 | 13.49171 | 25.15829 | 48.60177 | 14.85741 | 24.49259 | 41.21624 | 7.47188 | 22.33812 | 44.55225 | 10.80789 | 55.40211 |
| 5/27/2025 | 7:00:00 PM | 33.71427 | 60.00143 | 26.28716 | 21.44284 | 47.19247 | 13.4782 | 25.1718 | 48.56968 | 14.85541 | 24.49459 | 41.20193 | 7.48766 | 22.32234 | 44.54511 | 10.83084 | 55.37916 |
| 5/27/2025 | 8:00:00 PM | 33.69086 | 59.97643 | 26.28557 | 21.44443 | 47.15893 | 13.46807 | 25.18193 | 48.54473 | 14.85387 | 24.49613 | 41.19835 | 7.50749 | 22.30251 | 44.54153 | 10.85067 | 55.35933 |
| 5/27/2025 | 9:00:00 PM | 33.68083 | 59.99071 | 26.30988 | 21.42012 | 47.15222 | 13.47139 | 25.17861 | 48.54473 | 14.8639 | 24.4861 | 41.19835 | 7.51752 | 22.29248 | 44.56298 | 10.88215 | 55.32785 |
| 5/27/2025 | 10:00:00 PM | 33.6708 | 59.99429 | 26.32349 | 21.40651 | 47.15893 | 13.48813 | 25.16187 | 48.54829 | 14.87749 | 24.47251 | 41.19835 | 7.52755 | 22.28245 | 44.58084 | 10.91004 | 55.29996 |
| 5/27/2025 | 11:00:00 PM | 33.65073 | 59.98357 | 26.33284 | 21.39716 | 47.14551 | 13.49478 | 25.15522 | 48.53403 | 14.8833 | 24.4667 | 41.18404 | 7.53331 | 22.27669 | 44.57727 | 10.92654 | 55.28346 |
| 5/28/2025 | 12:00:00 AM | 33.63401 | 59.96929 | 26.33528 | 21.39472 | 47.14216 | 13.50815 | 25.14185 | 48.51977 | 14.88576 | 24.46424 | 41.17331 | 7.5393 | 22.2707 | 44.5737 | 10.93969 | 55.27031 |
| 5/28/2025 | 1:00:00 AM | 33.62732 | 59.96572 | 26.3384 | 21.3916 | 47.1321 | 13.50478 | 25.14522 | 48.50194 | 14.87462 | 24.47538 | 41.15542 | 7.5281 | 22.2819 | 44.56655 | 10.93923 | 55.27077 |
| 5/28/2025 | 2:00:00 AM | 33.6106 | 59.94072 | 26.33012 | 21.39988 | 47.11868 | 13.50808 | 25.14192 | 48.48055 | 14.86995 | 24.48005 | 41.13753 | 7.52693 | 22.28307 | 44.54511 | 10.93451 | 55.27549 |
| 5/28/2025 | 3:00:00 AM | 33.5872 | 59.91573 | 26.32853 | 21.40147 | 47.10527 | 13.51807 | 25.13193 | 48.44846 | 14.86126 | 24.48874 | 41.11606 | 7.52886 | 22.28114 | 44.53081 | 10.94361 | 55.26639 |
| 5/28/2025 | 4:00:00 AM | 33.58385 | 59.90501 | 26.32116 | 21.40884 | 47.09185 | 13.508 | 25.142 | 48.44133 | 14.85748 | 24.49252 | 41.10891 | 7.52506 | 22.28494 | 44.52724 | 10.94339 | 55.26661 |
| 5/28/2025 | 5:00:00 AM | 33.57382 | 59.89787 | 26.32405 | 21.40595 | 47.08179 | 13.50797 | 25.14203 | 48.4342 | 14.86038 | 24.48962 | 41.10175 | 7.52793 | 22.28207 | 44.53081 | 10.95699 | 55.25301 |
| 5/28/2025 | 6:00:00 AM | 33.56379 | 59.8943 | 26.33051 | 21.39949 | 47.07843 | 13.51464 | 25.13536 | 48.42351 | 14.85972 | 24.49028 | 41.0946 | 7.53081 | 22.27919 | 44.53081 | 10.96702 | 55.24298 |
| 5/28/2025 | 7:00:00 AM | 33.56044 | 59.8943 | 26.33386 | 21.39614 | 47.08179 | 13.52135 | 25.12865 | 48.41994 | 14.8595 | 24.4905 | 41.08744 | 7.527 | 22.283 | 44.53438 | 10.97394 | 55.23606 |
| 5/28/2025 | 8:00:00 AM | 33.56044 | 59.88002 | 26.31958 | 21.41042 | 47.08179 | 13.52135 | 25.12865 | 48.41638 | 14.85594 | 24.49406 | 41.07671 | 7.51627 | 22.29373 | 44.53796 | 10.97752 | 55.23248 |
| 5/28/2025 | 9:00:00 AM | 33.56044 | 59.88359 | 26.32315 | 21.40685 | 47.08179 | 13.52135 | 25.12865 | 48.41994 | 14.8595 | 24.4905 | 41.0624 | 7.50196 | 22.30804 | 44.53438 | 10.97394 | 55.23606 |
| 5/28/2025 | 10:00:00 AM | 33.57048 | 59.8693 | 26.29882 | 21.43118 | 47.08179 | 13.51131 | 25.13869 | 48.40925 | 14.83877 | 24.51123 | 41.05524 | 7.48476 | 22.32524 | 44.53438 | 10.9639 | 55.2461 |
| 5/28/2025 | 11:00:00 AM | 33.56713 | 59.86216 | 26.29503 | 21.43497 | 47.07173 | 13.5046 | 25.1454 | 48.40212 | 14.83499 | 24.51501 | 41.05166 | 7.48453 | 22.32547 | 44.52009 | 10.95296 | 55.25704 |
| 5/28/2025 | 12:00:00 PM | 33.58385 | 59.85859 | 26.27474 | 21.45526 | 47.06166 | 13.47781 | 25.17219 | 48.40212 | 14.81827 | 24.53173 | 41.05166 | 7.46781 | 22.34219 | 44.52009 | 10.93624 | 55.27376 |
| 5/28/2025 | 1:00:00 PM | 33.56044 | 59.84788 | 26.28744 | 21.44256 | 47.04825 | 13.48781 | 25.16219 | 48.39499 | 14.83455 | 24.51545 | 41.04093 | 7.48049 | 22.32951 | 44.52366 | 10.96322 | 55.24678 |
| 5/28/2025 | 2:00:00 PM | 33.60726 | 59.83717 | 26.22991 | 21.50009 | 47.02813 | 13.42087 | 25.22913 | 48.38429 | 14.77703 | 24.57297 | 41.03377 | 7.42651 | 22.38349 | 44.51651 | 10.90925 | 55.30075 |
| 5/28/2025 | 3:00:00 PM | 33.61395 | 59.8336 | 26.21965 | 21.51035 | 47.01471 | 13.40076 | 25.24924 | 48.38785 | 14.7739 | 24.5761 | 41.01946 | 7.40551 | 22.40449 | 44.51294 | 10.89899 | 55.31101 |
| 5/28/2025 | 4:00:00 PM | 33.60392 | 59.82645 | 26.22253 | 21.50747 | 46.99459 | 13.39067 | 25.25933 | 48.37359 | 14.76967 | 24.58033 | 41.01946 | 7.41554 | 22.39446 | 44.51294 | 10.90902 | 55.30098 |
| 5/28/2025 | 5:00:00 PM | 33.6106 | 59.8336 | 26.223 | 21.507 | 46.99123 | 13.38063 | 25.26937 | 48.38072 | 14.77012 | 24.57988 | 41.02662 | 7.41602 | 22.39398 | 44.52366 | 10.91306 | 55.29694 |
| 5/28/2025 | 6:00:00 PM | 33.59723 | 59.8336 | 26.23637 | 21.49363 | 46.98117 | 13.38394 | 25.26606 | 48.38072 | 14.78349 | 24.56651 | 41.01946 | 7.42223 | 22.38777 | 44.52009 | 10.92286 | 55.28714 |
| 5/28/2025 | 7:00:00 PM | 33.5872 | 59.84074 | 26.25354 | 21.47646 | 46.98117 | 13.39397 | 25.25603 | 48.38785 | 14.80065 | 24.54935 | 41.01946 | 7.43226 | 22.37774 | 44.53081 | 10.94361 | 55.26639 |
| 5/28/2025 | 8:00:00 PM | 33.58385 | 59.85502 | 26.27117 | 21.45883 | 46.99794 | 13.41409 | 25.23591 | 48.40925 | 14.8254 | 24.5246 | 41.02662 | 7.44277 | 22.36723 | 44.55225 | 10.9684 | 55.2416 |
| 5/28/2025 | 9:00:00 PM | 33.57716 | 59.86573 | 26.28857 | 21.44143 | 47.01136 | 13.4342 | 25.2158 | 48.41994 | 14.84278 | 24.50722 | 41.0302 | 7.45304 | 22.35696 | 44.55583 | 10.97867 | 55.23133 |
| 5/28/2025 | 10:00:00 PM | 33.57382 | 59.88002 | 26.3062 | 21.4238 | 47.0449 | 13.47108 | 25.17892 | 48.44846 | 14.87464 | 24.47536 | 41.04808 | 7.47426 | 22.33574 | 44.5737 | 10.99988 | 55.21012 |
| 5/28/2025 | 11:00:00 PM | 33.57382 | 59.91573 | 26.34191 | 21.38809 | 47.07843 | 13.50461 | 25.14539 | 48.46986 | 14.89604 | 24.45396 | 41.05166 | 7.47784 | 22.33216 | 44.58799 | 11.01417 | 55.19583 |
| 5/29/2025 | 12:00:00 AM | 33.57382 | 59.91573 | 26.34191 | 21.38809 | 47.09856 | 13.52474 | 25.12526 | 48.48768 | 14.91386 | 24.43614 | 41.06597 | 7.49215 | 22.31785 | 44.59514 | 11.02132 | 55.18868 |
| 5/29/2025 | 1:00:00 AM | 33.58385 | 59.94429 | 26.36044 | 21.36956 | 47.12539 | 13.54154 | 25.10846 | 48.49481 | 14.91096 | 24.43904 | 41.07313 | 7.48928 | 22.32072 | 44.59157 | 11.00772 | 55.20228 |
| 5/29/2025 | 2:00:00 AM | 33.58385 | 59.95143 | 26.36758 | 21.36242 | 47.15557 | 13.57172 | 25.07828 | 48.51977 | 14.93592 | 24.41408 | 41.08028 | 7.49643 | 22.31357 | 44.59871 | 11.01486 | 55.19514 |
| 5/29/2025 | 3:00:00 AM | 33.5872 | 59.95858 | 26.37138 | 21.35862 | 47.17905 | 13.59185 | 25.05815 | 48.5269 | 14.9397 | 24.4103 | 41.08028 | 7.49308 | 22.31692 | 44.59157 | 11.00437 | 55.20563 |
| 5/29/2025 | 4:00:00 AM | 33.58385 | 59.94786 | 26.36401 | 21.36599 | 47.1757 | 13.59185 | 25.05815 | 48.50907 | 14.92522 | 24.42478 | 41.07313 | 7.48928 | 22.32072 | 44.56655 | 10.9827 | 55.2273 |
| 5/29/2025 | 5:00:00 AM | 33.59054 | 59.95858 | 26.36804 | 21.36196 | 47.19917 | 13.60863 | 25.04137 | 48.5269 | 14.93636 | 24.41364 | 41.09102 | 7.50048 | 22.30952 | 44.58799 | 10.99745 | 55.21255 |
| 5/29/2025 | 6:00:00 AM | 33.59388 | 59.97286 | 26.37898 | 21.35102 | 47.2193 | 13.62542 | 25.02458 | 48.54473 | 14.95085 | 24.39915 | 41.08744 | 7.49356 | 22.31644 | 44.58799 | 10.99411 | 55.21589 |
| 5/29/2025 | 7:00:00 AM | 33.59388 | 59.97286 | 26.37898 | 21.35102 | 47.23942 | 13.64554 | 25.00446 | 48.55542 | 14.96154 | 24.38846 | 41.10891 | 7.51503 | 22.29497 | 44.58442 | 10.99054 | 55.21946 |
| 5/29/2025 | 8:00:00 AM | 33.59388 | 59.98 | 26.38612 | 21.34388 | 47.23607 | 13.64219 | 25.00781 | 48.54116 | 14.94728 | 24.40272 | 41.09817 | 7.50429 | 22.30571 | 44.5737 | 10.97982 | 55.23018 |
| 5/29/2025 | 9:00:00 AM | 33.60057 | 59.99786 | 26.39729 | 21.33271 | 47.2629 | 13.66233 | 24.98767 | 48.56968 | 14.96911 | 24.38089 | 41.11606 | 7.51549 | 22.29451 | 44.59514 | 10.99457 | 55.21543 |
| 5/29/2025 | 10:00:00 AM | 33.62398 | 60.01214 | 26.38816 | 21.34184 | 47.28302 | 13.65904 | 24.99096 | 48.58394 | 14.95996 | 24.39004 | 41.1268 | 7.50282 | 22.30718 | 44.59871 | 10.97473 | 55.23527 |
| 5/29/2025 | 11:00:00 AM | 33.65408 | 60.04785 | 26.39377 | 21.33623 | 47.31991 | 13.66583 | 24.98417 | 48.6089 | 14.95482 | 24.39518 | 41.14826 | 7.49418 | 22.31582 | 44.62373 | 10.96965 | 55.24035 |
| 5/29/2025 | 12:00:00 PM | 33.70089 | 60.08713 | 26.38624 | 21.34376 | 47.38364 | 13.68275 | 24.96725 | 48.66595 | 14.96506 | 24.38494 | 41.18762 | 7.48673 | 22.32327 | 44.66662 | 10.96573 | 55.24427 |
| 5/29/2025 | 1:00:00 PM | 33.73768 | 60.1157 | 26.37802 | 21.35198 | 47.42053 | 13.68285 | 24.96715 | 48.70516 | 14.96748 | 24.38252 | 41.20193 | 7.46425 | 22.34575 | 44.68806 | 10.95038 | 55.25962 |
| 5/29/2025 | 2:00:00 PM | 33.7778 | 60.14069 | 26.36289 | 21.36711 | 47.45742 | 13.67962 | 24.97038 | 48.73012 | 14.95232 | 24.39768 | 41.21982 | 7.44202 | 22.36798 | 44.68806 | 10.91026 | 55.29974 |
| 5/29/2025 | 3:00:00 PM | 33.80121 | 60.16212 | 26.36091 | 21.36909 | 47.48761 | 13.6864 | 24.9636 | 48.75151 | 14.9503 | 24.3997 | 41.23055 | 7.42934 | 22.38066 | 44.69164 | 10.89043 | 55.31957 |
| 5/29/2025 | 4:00:00 PM | 33.8079 | 60.15497 | 26.34707 | 21.38293 | 47.49767 | 13.68977 | 24.96023 | 48.76577 | 14.95787 | 24.39213 | 41.23413 | 7.42623 | 22.38377 | 44.68091 | 10.87301 | 55.33699 |
| 5/29/2025 | 5:00:00 PM | 33.81459 | 60.16212 | 26.34753 | 21.38247 | 47.50102 | 13.68643 | 24.96357 | 48.76221 | 14.94762 | 24.40238 | 41.23771 | 7.42312 | 22.38688 | 44.67019 | 10.8556 | 55.3544 |
| 5/29/2025 | 6:00:00 PM | 33.81459 | 60.15497 | 26.34038 | 21.38962 | 47.49432 | 13.67973 | 24.97027 | 48.76577 | 14.95118 | 24.39882 | 41.23771 | 7.42312 | 22.38688 | 44.6559 | 10.84131 | 55.36869 |
| 5/29/2025 | 7:00:00 PM | 33.81124 | 60.1514 | 26.34016 | 21.38984 | 47.47755 | 13.66631 | 24.98369 | 48.74795 | 14.93671 | 24.41329 | 41.23413 | 7.42289 | 22.38711 | 44.63803 | 10.82679 | 55.38321 |
| 5/29/2025 | 8:00:00 PM | 33.80456 | 60.15855 | 26.35399 | 21.37601 | 47.47755 | 13.67299 | 24.97701 | 48.75508 | 14.95052 | 24.39948 | 41.24844 | 7.44388 | 22.36612 | 44.64518 | 10.84062 | 55.36938 |
| 5/29/2025 | 9:00:00 PM | 33.80456 | 60.16212 | 26.35756 | 21.37244 | 47.4809 | 13.67634 | 24.97366 | 48.75151 | 14.94695 | 24.40305 | 41.26275 | 7.45819 | 22.35181 | 44.64875 | 10.84419 | 55.36581 |
| 5/29/2025 | 10:00:00 PM | 33.83465 | 60.19068 | 26.35603 | 21.37397 | 47.50773 | 13.67308 | 24.97692 | 48.7836 | 14.94895 | 24.40105 | 41.2878 | 7.45315 | 22.35685 | 44.67734 | 10.84269 | 55.36731 |
| 5/29/2025 | 11:00:00 PM | 33.83465 | 60.19425 | 26.3596 | 21.3704 | 47.50773 | 13.67308 | 24.97692 | 48.78717 | 14.95252 | 24.39748 | 41.29137 | 7.45672 | 22.35328 | 44.67734 | 10.84269 | 55.36731 |
| 5/30/2025 | 12:00:00 AM | 33.84803 | 60.20497 | 26.35694 | 21.37306 | 47.5245 | 13.67647 | 24.97353 | 48.79786 | 14.94983 | 24.40017 | 41.30211 | 7.45408 | 22.35592 | 44.68449 | 10.83646 | 55.37354 |
| 5/30/2025 | 1:00:00 AM | 33.83465 | 60.2014 | 26.36675 | 21.36325 | 47.51444 | 13.67979 | 24.97021 | 48.7836 | 14.94895 | 24.40105 | 41.29495 | 7.4603 | 22.3497 | 44.67734 | 10.84269 | 55.36731 |
| 5/30/2025 | 2:00:00 AM | 33.82796 | 60.17997 | 26.35201 | 21.37799 | 47.50102 | 13.67306 | 24.97694 | 48.76577 | 14.93781 | 24.41219 | 41.28422 | 7.45626 | 22.35374 | 44.65232 | 10.82436 | 55.38564 |
| 5/30/2025 | 3:00:00 AM | 33.83131 | 60.19783 | 26.36652 | 21.36348 | 47.51779 | 13.68648 | 24.96352 | 48.77647 | 14.94516 | 24.40484 | 41.30926 | 7.47795 | 22.33205 | 44.67377 | 10.84246 | 55.36754 |
| 5/30/2025 | 4:00:00 AM | 33.83131 | 60.19783 | 26.36652 | 21.36348 | 47.51444 | 13.68313 | 24.96687 | 48.7729 | 14.94159 | 24.40841 | 41.30926 | 7.47795 | 22.33205 | 44.66662 | 10.83531 | 55.37469 |
| 5/30/2025 | 5:00:00 AM | 33.83131 | 60.2014 | 26.37009 | 21.35991 | 47.51109 | 13.67978 | 24.97022 | 48.78003 | 14.94872 | 24.40128 | 41.30926 | 7.47795 | 22.33205 | 44.66304 | 10.83173 | 55.37827 |
| 5/30/2025 | 6:00:00 AM | 33.82796 | 60.2014 | 26.37344 | 21.35656 | 47.52115 | 13.69319 | 24.95681 | 48.76577 | 14.93781 | 24.41219 | 41.30926 | 7.4813 | 22.3287 | 44.67377 | 10.84581 | 55.36419 |
| 5/30/2025 | 7:00:00 AM | 33.82796 | 60.19425 | 26.36629 | 21.36371 | 47.51779 | 13.68983 | 24.96017 | 48.76577 | 14.93781 | 24.41219 | 41.31284 | 7.48488 | 22.32512 | 44.66304 | 10.83508 | 55.37492 |
| 5/30/2025 | 8:00:00 AM | 33.82796 | 60.19783 | 26.36987 | 21.36013 | 47.51779 | 13.68983 | 24.96017 | 48.75864 | 14.93068 | 24.41932 | 41.31284 | 7.48488 | 22.32512 | 44.66304 | 10.83508 | 55.37492 |
| 5/30/2025 | 9:00:00 AM | 33.83465 | 60.18354 | 26.34889 | 21.38111 | 47.50102 | 13.66637 | 24.98363 | 48.75151 | 14.91686 | 24.43314 | 41.29853 | 7.46388 | 22.34612 | 44.65947 | 10.82482 | 55.38518 |
| 5/30/2025 | 10:00:00 AM | 33.84134 | 60.17997 | 26.33863 | 21.39137 | 47.50102 | 13.65968 | 24.99032 | 48.74438 | 14.90304 | 24.44696 | 41.30926 | 7.46792 | 22.34208 | 44.66304 | 10.8217 | 55.3883 |
| 5/30/2025 | 11:00:00 AM | 33.84134 | 60.16926 | 26.32792 | 21.40208 | 47.49096 | 13.64962 | 25.00038 | 48.73725 | 14.89591 | 24.45409 | 41.30211 | 7.46077 | 22.34923 | 44.6559 | 10.81456 | 55.39544 |
| 5/30/2025 | 12:00:00 PM | 33.85472 | 60.18354 | 26.32882 | 21.40118 | 47.48761 | 13.63289 | 25.01711 | 48.74082 | 14.8861 | 24.4639 | 41.30926 | 7.45454 | 22.35546 | 44.67019 | 10.81547 | 55.39453 |
| 5/30/2025 | 1:00:00 PM | 33.86809 | 60.17283 | 26.30474 | 21.42526 | 47.46078 | 13.59269 | 25.05731 | 48.73725 | 14.86916 | 24.48084 | 41.30569 | 7.4376 | 22.3724 | 44.66304 | 10.79495 | 55.41505 |
| 5/30/2025 | 2:00:00 PM | 33.87478 | 60.14426 | 26.26948 | 21.46052 | 47.42724 | 13.55246 | 25.09754 | 48.70873 | 14.83395 | 24.51605 | 41.2878 | 7.41302 | 22.39698 | 44.6416 | 10.76682 | 55.44318 |
| 5/30/2025 | 3:00:00 PM | 33.89819 | 60.12284 | 26.22465 | 21.50535 | 47.39035 | 13.49216 | 25.15784 | 48.68021 | 14.78202 | 24.56798 | 41.26991 | 7.37172 | 22.43828 | 44.6416 | 10.74341 | 55.46659 |
| 5/30/2025 | 4:00:00 PM | 33.86809 | 60.10498 | 26.23689 | 21.49311 | 47.34339 | 13.4753 | 25.1747 | 48.65169 | 14.7836 | 24.5664 | 41.25917 | 7.39108 | 22.41892 | 44.62373 | 10.75564 | 55.45436 |
| 5/30/2025 | 5:00:00 PM | 33.84803 | 60.08713 | 26.2391 | 21.4909 | 47.3065 | 13.45847 | 25.19153 | 48.63029 | 14.78226 | 24.56774 | 41.24844 | 7.40041 | 22.40959 | 44.61301 | 10.76498 | 55.44502 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/30/2025 | 6:00:00 PM | 33.82796 | 60.06927 | 26.24131 | 21.48869 | 47.2629 | 13.43494 | 25.21506 | 48.60177 | 14.77381 | 24.57619 | 41.23771 | 7.40975 | 22.40025 | 44.60229 | 10.77433 | 55.43567 |
| 5/30/2025 | 7:00:00 PM | 33.81459 | 60.05499 | 26.2404 | 21.4896 | 47.23607 | 13.42148 | 25.22852 | 48.58394 | 14.76935 | 24.58065 | 41.23055 | 7.41596 | 22.39404 | 44.60229 | 10.7877 | 55.4223 |
| 5/30/2025 | 8:00:00 PM | 33.79787 | 60.04785 | 26.24998 | 21.48002 | 47.21259 | 13.41472 | 25.23528 | 48.57325 | 14.77538 | 24.57462 | 41.23055 | 7.43268 | 22.37732 | 44.60229 | 10.80442 | 55.40558 |
| 5/30/2025 | 9:00:00 PM | 33.78449 | 60.04785 | 26.26336 | 21.46664 | 47.19582 | 13.41133 | 25.23867 | 48.56255 | 14.77806 | 24.57194 | 41.22697 | 7.44248 | 22.36752 | 44.60944 | 10.82495 | 55.38505 |
| 5/30/2025 | 10:00:00 PM | 33.77446 | 60.03714 | 26.26268 | 21.46732 | 47.19582 | 13.42136 | 25.22864 | 48.55899 | 14.78453 | 24.56547 | 41.21982 | 7.44536 | 22.36464 | 44.62373 | 10.84927 | 55.36073 |
| 5/30/2025 | 11:00:00 PM | 33.76108 | 60.04785 | 26.28677 | 21.44323 | 47.19917 | 13.43809 | 25.21191 | 48.55542 | 14.79434 | 24.55566 | 41.21982 | 7.45874 | 22.35126 | 44.62373 | 10.86265 | 55.34735 |
| 5/31/2025 | 12:00:00 AM | 33.75105 | 60.02999 | 26.27894 | 21.45106 | 47.19582 | 13.44477 | 25.20523 | 48.54829 | 14.79724 | 24.55276 | 41.20909 | 7.45804 | 22.35196 | 44.62731 | 10.87626 | 55.33374 |
| 5/31/2025 | 1:00:00 AM | 33.74436 | 60.04071 | 26.29635 | 21.43365 | 47.20924 | 13.46488 | 25.18512 | 48.55186 | 14.8075 | 24.5425 | 41.20909 | 7.46473 | 22.34527 | 44.63088 | 10.88652 | 55.32348 |
| 5/31/2025 | 2:00:00 AM | 33.6942 | 60.03357 | 26.33937 | 21.39063 | 47.20924 | 13.51504 | 25.13496 | 48.54116 | 14.84696 | 24.50304 | 41.19835 | 7.50415 | 22.30585 | 44.63088 | 10.93668 | 55.27332 |
| 5/31/2025 | 3:00:00 AM | 33.68752 | 60.02642 | 26.3389 | 21.3911 | 47.21594 | 13.52842 | 25.12158 | 48.54116 | 14.85364 | 24.49636 | 41.18404 | 7.49652 | 22.31348 | 44.62731 | 10.93979 | 55.27021 |
| 5/31/2025 | 4:00:00 AM | 33.67748 | 60.01928 | 26.3418 | 21.3882 | 47.20924 | 13.53176 | 25.11824 | 48.53047 | 14.85299 | 24.49701 | 41.18404 | 7.50656 | 22.30344 | 44.62016 | 10.94268 | 55.26732 |
| 5/31/2025 | 5:00:00 AM | 33.68083 | 60.01214 | 26.33131 | 21.39869 | 47.20588 | 13.52505 | 25.12495 | 48.5269 | 14.84607 | 24.50393 | 41.17331 | 7.49248 | 22.31752 | 44.61658 | 10.93575 | 55.27425 |
| 5/31/2025 | 6:00:00 AM | 33.68417 | 60.03357 | 26.3494 | 21.3806 | 47.22601 | 13.54184 | 25.10816 | 48.53403 | 14.84986 | 24.50014 | 41.18762 | 7.50345 | 22.30655 | 44.63445 | 10.95028 | 55.25972 |
| 5/31/2025 | 7:00:00 AM | 33.68752 | 60.03357 | 26.34605 | 21.38395 | 47.22936 | 13.54184 | 25.10816 | 48.54116 | 14.85364 | 24.49636 | 41.18046 | 7.49294 | 22.31706 | 44.64518 | 10.95766 | 55.25234 |
| 5/31/2025 | 8:00:00 AM | 33.70089 | 60.04428 | 26.34339 | 21.38661 | 47.26625 | 13.56536 | 25.08464 | 48.56255 | 14.86166 | 24.48834 | 41.1912 | 7.49031 | 22.31969 | 44.6559 | 10.95501 | 55.25499 |
| 5/31/2025 | 9:00:00 AM | 33.71761 | 60.05856 | 26.34095 | 21.38905 | 47.28638 | 13.56877 | 25.08123 | 48.57681 | 14.8592 | 24.4908 | 41.20551 | 7.4879 | 22.3221 | 44.67734 | 10.95973 | 55.25027 |
| 5/31/2025 | 10:00:00 AM | 33.73099 | 60.07999 | 26.349 | 21.381 | 47.3065 | 13.57551 | 25.07449 | 48.60177 | 14.87078 | 24.47922 | 41.20193 | 7.47094 | 22.33906 | 44.68806 | 10.95707 | 55.25293 |
| 5/31/2025 | 11:00:00 AM | 33.75105 | 60.10855 | 26.3575 | 21.3725 | 47.34674 | 13.59569 | 25.05431 | 48.64099 | 14.88994 | 24.46006 | 41.2234 | 7.47235 | 22.33765 | 44.71308 | 10.96203 | 55.24797 |
| 5/31/2025 | 12:00:00 PM | 33.75774 | 60.12284 | 26.3651 | 21.3649 | 47.37022 | 13.61248 | 25.03752 | 48.66238 | 14.90464 | 24.44536 | 41.23055 | 7.47281 | 22.33719 | 44.72023 | 10.96249 | 55.24751 |
| 5/31/2025 | 1:00:00 PM | 33.75774 | 60.14069 | 26.38295 | 21.34705 | 47.3937 | 13.63596 | 25.01404 | 48.68377 | 14.92603 | 24.42397 | 41.23771 | 7.47997 | 22.33003 | 44.73095 | 10.97321 | 55.23679 |
| 5/31/2025 | 2:00:00 PM | 33.76777 | 60.12284 | 26.35507 | 21.37493 | 47.39705 | 13.62928 | 25.02072 | 48.68021 | 14.91244 | 24.43756 | 41.22697 | 7.4592 | 22.3508 | 44.70951 | 10.94174 | 55.26826 |
| 5/31/2025 | 3:00:00 PM | 33.76777 | 60.1514 | 26.38363 | 21.34637 | 47.42388 | 13.65611 | 24.99389 | 48.69803 | 14.93026 | 24.41974 | 41.24486 | 7.47709 | 22.33291 | 44.72023 | 10.95246 | 55.25754 |
| 5/31/2025 | 4:00:00 PM | 33.78115 | 60.16212 | 26.38097 | 21.34903 | 47.43395 | 13.6528 | 24.9972 | 48.70873 | 14.92758 | 24.42242 | 41.24844 | 7.46729 | 22.34271 | 44.71308 | 10.93193 | 55.27807 |
| 5/31/2025 | 5:00:00 PM | 33.79118 | 60.16212 | 26.37094 | 21.35906 | 47.44401 | 13.65283 | 24.99717 | 48.70873 | 14.91755 | 24.43245 | 41.24486 | 7.45368 | 22.35632 | 44.70951 | 10.91833 | 55.29167 |
| 5/31/2025 | 6:00:00 PM | 33.79787 | 60.16569 | 26.36782 | 21.36218 | 47.44736 | 13.64949 | 25.00051 | 48.70873 | 14.91086 | 24.43914 | 41.24486 | 7.44699 | 22.36301 | 44.70236 | 10.90449 | 55.30551 |
| 5/31/2025 | 7:00:00 PM | 33.79787 | 60.16926 | 26.37139 | 21.35861 | 47.47419 | 13.67632 | 24.97368 | 48.71229 | 14.91442 | 24.43558 | 41.26633 | 7.46846 | 22.34154 | 44.70951 | 10.91164 | 55.29836 |
| 5/31/2025 | 8:00:00 PM | 33.80121 | 60.17997 | 26.37876 | 21.35124 | 47.48761 | 13.6864 | 24.9636 | 48.73369 | 14.93248 | 24.41752 | 41.27706 | 7.47585 | 22.33415 | 44.72023 | 10.91902 | 55.29098 |
| 5/31/2025 | 9:00:00 PM | 33.81124 | 60.19068 | 26.37944 | 21.35056 | 47.50438 | 13.69314 | 24.95686 | 48.74438 | 14.93314 | 24.41686 | 41.27706 | 7.46582 | 22.34418 | 44.72737 | 10.91613 | 55.29387 |
| 5/31/2025 | 10:00:00 PM | 33.83465 | 60.21568 | 26.38103 | 21.34897 | 47.51779 | 13.68314 | 24.96686 | 48.7729 | 14.93825 | 24.41175 | 41.30211 | 7.46746 | 22.34254 | 44.74524 | 10.91059 | 55.29941 |
| 5/31/2025 | 11:00:00 PM | 33.82796 | 60.21925 | 26.39129 | 21.33871 | 47.52115 | 13.69319 | 24.95681 | 48.7729 | 14.94494 | 24.40506 | 41.29495 | 7.46699 | 22.34301 | 44.7381 | 10.91014 | 55.29986 |
| 6/1/2025 | 12:00:00 AM | 33.83465 | 60.22282 | 26.38817 | 21.34183 | 47.53456 | 13.69991 | 24.95009 | 48.77647 | 14.94182 | 24.40818 | 41.30569 | 7.47104 | 22.33896 | 44.7381 | 10.90345 | 55.30655 |
| 6/1/2025 | 1:00:00 AM | 33.84803 | 60.22639 | 26.37836 | 21.35164 | 47.54798 | 13.69995 | 24.95005 | 48.7836 | 14.93557 | 24.41443 | 41.31284 | 7.46481 | 22.34519 | 44.74882 | 10.90079 | 55.30921 |
| 6/1/2025 | 2:00:00 AM | 33.85472 | 60.23353 | 26.37881 | 21.35119 | 47.56475 | 13.71003 | 24.93997 | 48.7943 | 14.93958 | 24.41042 | 41.31642 | 7.4617 | 22.3483 | 44.74524 | 10.89052 | 55.31948 |
| 6/1/2025 | 3:00:00 AM | 33.8614 | 60.24782 | 26.38642 | 21.34358 | 47.57481 | 13.71341 | 24.93659 | 48.80143 | 14.94003 | 24.40997 | 41.32357 | 7.46217 | 22.34783 | 44.74882 | 10.88742 | 55.32258 |
| 6/1/2025 | 4:00:00 AM | 33.85806 | 60.24425 | 26.38619 | 21.34381 | 47.57481 | 13.71675 | 24.93325 | 48.79786 | 14.9398 | 24.4102 | 41.32357 | 7.46551 | 22.34449 | 44.75239 | 10.89433 | 55.31567 |
| 6/1/2025 | 5:00:00 AM | 33.87478 | 60.25853 | 26.38375 | 21.34625 | 47.59829 | 13.72351 | 24.92649 | 48.81925 | 14.94447 | 24.40553 | 41.34146 | 7.46668 | 22.34332 | 44.75597 | 10.88119 | 55.32881 |
| 6/1/2025 | 6:00:00 AM | 33.88816 | 60.26924 | 26.38108 | 21.34892 | 47.60835 | 13.72019 | 24.92981 | 48.82282 | 14.93466 | 24.41534 | 41.34504 | 7.45688 | 22.35312 | 44.76311 | 10.87495 | 55.33505 |
| 6/1/2025 | 7:00:00 AM | 33.90153 | 60.27638 | 26.37485 | 21.35515 | 47.62512 | 13.72359 | 24.92641 | 48.84064 | 14.93911 | 24.41089 | 41.35935 | 7.45782 | 22.35218 | 44.77026 | 10.86873 | 55.34127 |
| 6/1/2025 | 8:00:00 AM | 33.90153 | 60.26567 | 26.36414 | 21.36586 | 47.62176 | 13.72023 | 24.92977 | 48.83708 | 14.93555 | 24.41445 | 41.34862 | 7.44709 | 22.36291 | 44.76311 | 10.86158 | 55.34842 |
| 6/1/2025 | 9:00:00 AM | 33.90822 | 60.27281 | 26.36459 | 21.36541 | 47.62176 | 13.71354 | 24.93646 | 48.82638 | 14.91816 | 24.43184 | 41.35935 | 7.45113 | 22.35887 | 44.75954 | 10.85132 | 55.35868 |
| 6/1/2025 | 10:00:00 AM | 33.91156 | 60.26567 | 26.35411 | 21.37589 | 47.6117 | 13.70014 | 24.94986 | 48.81925 | 14.90769 | 24.44231 | 41.34862 | 7.43706 | 22.37294 | 44.74524 | 10.83368 | 55.37632 |
| 6/1/2025 | 11:00:00 AM | 33.91491 | 60.26567 | 26.35076 | 21.37924 | 47.60499 | 13.69008 | 24.95992 | 48.80856 | 14.89365 | 24.45635 | 41.34862 | 7.43371 | 22.37629 | 44.75597 | 10.84106 | 55.36894 |
| 6/1/2025 | 12:00:00 PM | 33.91156 | 60.25496 | 26.3434 | 21.3866 | 47.59158 | 13.68002 | 24.96998 | 48.80856 | 14.897 | 24.453 | 41.35578 | 7.44422 | 22.36578 | 44.7381 | 10.82654 | 55.38346 |
| 6/1/2025 | 1:00:00 PM | 33.91491 | 60.24068 | 26.32577 | 21.40423 | 47.57816 | 13.66325 | 24.98675 | 48.80856 | 14.89365 | 24.45635 | 41.34862 | 7.43371 | 22.37629 | 44.73095 | 10.81604 | 55.39396 |
| 6/1/2025 | 2:00:00 PM | 33.93497 | 60.24068 | 26.30571 | 21.42429 | 47.55804 | 13.62307 | 25.02693 | 48.7943 | 14.85933 | 24.49067 | 41.3522 | 7.41723 | 22.39277 | 44.7238 | 10.78883 | 55.42117 |
| 6/1/2025 | 3:00:00 PM | 33.97844 | 60.22996 | 26.25152 | 21.47848 | 47.53456 | 13.55612 | 25.09388 | 48.7836 | 14.80516 | 24.54484 | 41.3522 | 7.37376 | 22.43624 | 44.73095 | 10.75251 | 55.45749 |
| 6/1/2025 | 4:00:00 PM | 33.95504 | 60.21568 | 26.26064 | 21.46936 | 47.50102 | 13.54598 | 25.10402 | 48.76934 | 14.8143 | 24.5357 | 41.34146 | 7.38642 | 22.42358 | 44.72023 | 10.76519 | 55.44481 |
| 6/1/2025 | 5:00:00 PM | 33.87144 | 60.20497 | 26.33353 | 21.39647 | 47.47419 | 13.60275 | 25.04725 | 48.75151 | 14.88007 | 24.46993 | 41.33431 | 7.46287 | 22.34713 | 44.71665 | 10.84521 | 55.36479 |
| 6/1/2025 | 6:00:00 PM | 33.86475 | 60.19783 | 26.33308 | 21.39692 | 47.45407 | 13.58932 | 25.06068 | 48.73369 | 14.86894 | 24.48106 | 41.33073 | 7.46598 | 22.34402 | 44.70593 | 10.84118 | 55.36882 |
| 6/1/2025 | 7:00:00 PM | 33.85137 | 60.19783 | 26.34646 | 21.38354 | 47.44065 | 13.58928 | 25.06072 | 48.73369 | 14.88232 | 24.46768 | 41.34146 | 7.49009 | 22.31991 | 44.72023 | 10.86886 | 55.34114 |
| 6/1/2025 | 8:00:00 PM | 33.8614 | 60.20854 | 26.34714 | 21.38286 | 47.43059 | 13.56919 | 25.08081 | 48.74082 | 14.87942 | 24.47058 | 41.34504 | 7.48364 | 22.32636 | 44.74524 | 10.88384 | 55.32616 |
| 6/1/2025 | 9:00:00 PM | 33.85137 | 60.21568 | 26.36431 | 21.36569 | 47.44065 | 13.58928 | 25.06072 | 48.74795 | 14.89658 | 24.45342 | 41.3522 | 7.50083 | 22.30917 | 44.75597 | 10.9046 | 55.3054 |
| 6/1/2025 | 10:00:00 PM | 33.84803 | 60.24782 | 26.39979 | 21.33021 | 47.45407 | 13.60604 | 25.04396 | 48.76221 | 14.91418 | 24.43582 | 41.36651 | 7.51848 | 22.29152 | 44.78456 | 10.93653 | 55.27347 |
| 6/1/2025 | 11:00:00 PM | 33.85472 | 60.25139 | 26.39667 | 21.33333 | 47.47084 | 13.61612 | 25.03388 | 48.77647 | 14.92175 | 24.42825 | 41.35935 | 7.50463 | 22.30537 | 44.79171 | 10.93699 | 55.27301 |
| 6/2/2025 | 12:00:00 AM | 33.85806 | 60.23711 | 26.37905 | 21.35095 | 47.47419 | 13.61613 | 25.03387 | 48.76577 | 14.90771 | 24.44229 | 41.34862 | 7.49056 | 22.31944 | 44.77384 | 10.91578 | 55.29422 |
| 6/2/2025 | 1:00:00 AM | 33.87144 | 60.25139 | 26.37995 | 21.35005 | 47.48425 | 13.61281 | 25.03719 | 48.7729 | 14.90146 | 24.44854 | 41.35935 | 7.48791 | 22.32209 | 44.78813 | 10.91669 | 55.29331 |
| 6/2/2025 | 2:00:00 AM | 33.86809 | 60.24425 | 26.37616 | 21.35384 | 47.49432 | 13.62623 | 25.02377 | 48.77647 | 14.90838 | 24.44162 | 41.35935 | 7.49126 | 22.31874 | 44.78098 | 10.91289 | 55.29711 |
| 6/2/2025 | 3:00:00 AM | 33.85806 | 60.24782 | 26.38976 | 21.34024 | 47.49767 | 13.63961 | 25.01039 | 48.7729 | 14.91484 | 24.43516 | 41.3522 | 7.49414 | 22.31586 | 44.78098 | 10.92292 | 55.28708 |
| 6/2/2025 | 4:00:00 AM | 33.85806 | 60.24782 | 26.38976 | 21.34024 | 47.50102 | 13.64296 | 25.00704 | 48.76577 | 14.90771 | 24.44229 | 41.3522 | 7.49414 | 22.31586 | 44.77384 | 10.91578 | 55.29422 |
| 6/2/2025 | 5:00:00 AM | 33.85806 | 60.24782 | 26.38976 | 21.34024 | 47.50773 | 13.64967 | 25.00033 | 48.76934 | 14.91128 | 24.43872 | 41.35935 | 7.50129 | 22.30871 | 44.77384 | 10.91578 | 55.29422 |
| 6/2/2025 | 6:00:00 AM | 33.85472 | 60.24782 | 26.3931 | 21.3369 | 47.51109 | 13.65637 | 24.99363 | 48.76577 | 14.91105 | 24.43895 | 41.36293 | 7.50821 | 22.30179 | 44.78098 | 10.92626 | 55.28374 |
| 6/2/2025 | 7:00:00 AM | 33.8614 | 60.24425 | 26.38285 | 21.34715 | 47.50773 | 13.64633 | 25.00367 | 48.76577 | 14.90437 | 24.44563 | 41.35578 | 7.49438 | 22.31562 | 44.76669 | 10.90529 | 55.30471 |
| 6/2/2025 | 8:00:00 AM | 33.86809 | 60.24782 | 26.37973 | 21.35027 | 47.52115 | 13.65306 | 24.99694 | 48.76577 | 14.89768 | 24.45232 | 41.36293 | 7.49484 | 22.31516 | 44.77384 | 10.90575 | 55.30425 |
| 6/2/2025 | 9:00:00 AM | 33.87144 | 60.25496 | 26.38352 | 21.34648 | 47.52115 | 13.64971 | 25.00029 | 48.76221 | 14.89077 | 24.45923 | 41.35578 | 7.48434 | 22.32566 | 44.78456 | 10.91312 | 55.29688 |
| 6/2/2025 | 10:00:00 AM | 33.87812 | 60.2621 | 26.38398 | 21.34602 | 47.53121 | 13.65309 | 24.99691 | 48.77647 | 14.89835 | 24.45165 | 41.36651 | 7.48839 | 22.32161 | 44.78813 | 10.91001 | 55.29999 |
| 6/2/2025 | 11:00:00 AM | 33.88816 | 60.24425 | 26.35609 | 21.37391 | 47.51779 | 13.62963 | 25.02037 | 48.76221 | 14.87405 | 24.47595 | 41.3522 | 7.46404 | 22.34596 | 44.77741 | 10.88925 | 55.32075 |
| 6/2/2025 | 12:00:00 PM | 33.88481 | 60.22282 | 26.33801 | 21.39199 | 47.49096 | 13.60615 | 25.04385 | 48.73369 | 14.84888 | 24.50112 | 41.33789 | 7.45308 | 22.35692 | 44.75239 | 10.86758 | 55.34242 |
| 6/2/2025 | 1:00:00 PM | 33.89819 | 60.21925 | 26.32106 | 21.40894 | 47.48761 | 13.58942 | 25.06058 | 48.74082 | 14.84263 | 24.50737 | 41.34504 | 7.44685 | 22.36315 | 44.76311 | 10.86492 | 55.34508 |
| 6/2/2025 | 2:00:00 PM | 33.91491 | 60.20854 | 26.29363 | 21.43637 | 47.45742 | 13.54251 | 25.10749 | 48.72299 | 14.80808 | 24.54192 | 41.33789 | 7.42298 | 22.38702 | 44.74524 | 10.83033 | 55.37967 |
| 6/2/2025 | 3:00:00 PM | 33.95838 | 60.2014 | 26.24302 | 21.48698 | 47.43059 | 13.47221 | 25.17779 | 48.71229 | 14.75391 | 24.59609 | 41.33431 | 7.37593 | 22.43407 | 44.73452 | 10.77614 | 55.43386 |
| 6/2/2025 | 4:00:00 PM | 33.93163 | 60.18354 | 26.25191 | 21.47809 | 47.40376 | 13.47213 | 25.17787 | 48.69447 | 14.76284 | 24.58716 | 41.32357 | 7.39194 | 22.41806 | 44.7381 | 10.80647 | 55.40353 |
| 6/2/2025 | 5:00:00 PM | 33.92828 | 60.16926 | 26.24098 | 21.48902 | 47.38364 | 13.45536 | 25.19464 | 48.68377 | 14.75549 | 24.59451 | 41.32 | 7.39172 | 22.41828 | 44.74167 | 10.81339 | 55.39661 |
| 6/2/2025 | 6:00:00 PM | 33.90822 | 60.16212 | 26.2539 | 21.4761 | 47.36016 | 13.45194 | 25.19806 | 48.68021 | 14.77199 | 24.57801 | 41.31284 | 7.40462 | 22.40538 | 44.74167 | 10.83345 | 55.37655 |
| 6/2/2025 | 7:00:00 PM | 33.90488 | 60.16212 | 26.25724 | 21.47276 | 47.34339 | 13.43851 | 25.21149 | 48.66951 | 14.76463 | 24.58537 | 41.31642 | 7.41154 | 22.39846 | 44.74524 | 10.84036 | 55.36964 |
| 6/2/2025 | 8:00:00 PM | 33.90153 | 60.15855 | 26.25702 | 21.47298 | 47.34004 | 13.43851 | 25.21149 | 48.66951 | 14.76798 | 24.58202 | 41.32 | 7.41847 | 22.39153 | 44.74882 | 10.84729 | 55.36271 |
| 6/2/2025 | 9:00:00 PM | 33.88816 | 60.16926 | 26.2811 | 21.4489 | 47.33333 | 13.44517 | 25.20483 | 48.66951 | 14.78135 | 24.56865 | 41.31642 | 7.42826 | 22.38174 | 44.75954 | 10.87138 | 55.33862 |
| 6/2/2025 | 10:00:00 PM | 33.88147 | 60.18354 | 26.30207 | 21.42793 | 47.3501 | 13.46863 | 25.18137 | 48.68377 | 14.8023 | 24.5477 | 41.32 | 7.43853 | 22.37147 | 44.77384 | 10.89237 | 55.31763 |
| 6/2/2025 | 11:00:00 PM | 33.87478 | 60.19068 | 26.3159 | 21.4141 | 47.36016 | 13.48538 | 25.16462 | 48.6909 | 14.81612 | 24.53388 | 41.31642 | 7.44164 | 22.36836 | 44.78098 | 10.9062 | 55.3038 |
| 6/3/2025 | 12:00:00 AM | 33.86809 | 60.2014 | 26.33331 | 21.39669 | 47.38028 | 13.51219 | 25.13781 | 48.70516 | 14.83707 | 24.51293 | 41.32357 | 7.45548 | 22.35452 | 44.79171 | 10.92362 | 55.28638 |
| 6/3/2025 | 1:00:00 AM | 33.86809 | 60.19783 | 26.32974 | 21.40026 | 47.39035 | 13.52226 | 25.12774 | 48.7016 | 14.83351 | 24.51649 | 41.32357 | 7.45548 | 22.35452 | 44.78813 | 10.92004 | 55.28996 |
| 6/3/2025 | 2:00:00 AM | 33.85806 | 60.19425 | 26.33619 | 21.39381 | 47.39035 | 13.53229 | 25.11771 | 48.69803 | 14.83997 | 24.51003 | 41.32 | 7.46194 | 22.34806 | 44.78813 | 10.93007 | 55.27993 |
| 6/3/2025 | 3:00:00 AM | 33.84803 | 60.19068 | 26.34265 | 21.38735 | 47.39035 | 13.54232 | 25.10768 | 48.69447 | 14.84644 | 24.50356 | 41.31642 | 7.46839 | 22.34161 | 44.76669 | 10.91866 | 55.29134 |
| 6/3/2025 | 4:00:00 AM | 33.85137 | 60.20854 | 26.35717 | 21.37283 | 47.41047 | 13.5591 | 25.0909 | 48.70516 | 14.85379 | 24.49621 | 41.32357 | 7.4722 | 22.3378 | 44.77741 | 10.92604 | 55.28396 |
| 6/3/2025 | 5:00:00 AM | 33.84134 | 60.20497 | 26.36363 | 21.36637 | 47.41382 | 13.57248 | 25.07752 | 48.69803 | 14.85669 | 24.49331 | 41.31642 | 7.47508 | 22.33492 | 44.78098 | 10.93964 | 55.27036 |
| 6/3/2025 | 6:00:00 AM | 33.838 | 60.2014 | 26.3634 | 21.3666 | 47.43059 | 13.59259 | 25.05741 | 48.69803 | 14.86003 | 24.48997 | 41.32715 | 7.48915 | 22.32085 | 44.78456 | 10.94656 | 55.26344 |
| 6/3/2025 | 7:00:00 AM | 33.84134 | 60.21211 | 26.37077 | 21.35923 | 47.44065 | 13.59931 | 25.05069 | 48.70516 | 14.86382 | 24.48618 | 41.32 | 7.47866 | 22.33134 | 44.79528 | 10.95394 | 55.25606 |
| 6/3/2025 | 8:00:00 AM | 33.84803 | 60.21211 | 26.36408 | 21.36592 | 47.44401 | 13.59598 | 25.05402 | 48.70873 | 14.8607 | 24.4893 | 41.31642 | 7.46839 | 22.34161 | 44.78813 | 10.9401 | 55.2699 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/3/2025 | 9:00:00 AM | 33.84468 | 60.21211 | 26.36743 | 21.36257 | 47.44401 | 13.59933 | 25.05067 | 48.70516 | 14.86048 | 24.48952 | 41.32 | 7.47532 | 22.33468 | 44.78456 | 10.93988 | 55.27012 |
| 6/3/2025 | 10:00:00 AM | 33.85806 | 60.20497 | 26.34691 | 21.38309 | 47.44401 | 13.58595 | 25.06405 | 48.7016 | 14.84354 | 24.50646 | 41.31642 | 7.45836 | 22.35164 | 44.77741 | 10.91935 | 55.29065 |
| 6/3/2025 | 11:00:00 AM | 33.86475 | 60.19068 | 26.32593 | 21.40407 | 47.44065 | 13.5759 | 25.0741 | 48.69803 | 14.83328 | 24.51672 | 41.31642 | 7.45167 | 22.35833 | 44.76669 | 10.90194 | 55.30806 |
| 6/3/2025 | 12:00:00 PM | 33.86809 | 60.18711 | 26.31902 | 21.41098 | 47.41718 | 13.54909 | 25.10091 | 48.68734 | 14.81925 | 24.53075 | 41.30926 | 7.44117 | 22.36883 | 44.75954 | 10.89145 | 55.31855 |
| 6/3/2025 | 1:00:00 PM | 33.88147 | 60.16926 | 26.28779 | 21.44221 | 47.3937 | 13.51223 | 25.13777 | 48.66595 | 14.78448 | 24.56552 | 41.29495 | 7.41348 | 22.39652 | 44.74882 | 10.86735 | 55.34265 |
| 6/3/2025 | 2:00:00 PM | 33.89819 | 60.16212 | 26.26393 | 21.46607 | 47.36687 | 13.46868 | 25.18132 | 48.64812 | 14.74993 | 24.60007 | 41.2878 | 7.38961 | 22.42039 | 44.7381 | 10.83991 | 55.37009 |
| 6/3/2025 | 3:00:00 PM | 33.89819 | 60.13712 | 26.23893 | 21.49107 | 47.32998 | 13.43179 | 25.21821 | 48.63029 | 14.7321 | 24.6179 | 41.27349 | 7.3753 | 22.4347 | 44.72023 | 10.82204 | 55.38796 |
| 6/3/2025 | 4:00:00 PM | 33.87812 | 60.11927 | 26.24115 | 21.48885 | 47.29979 | 13.42167 | 25.22833 | 48.60177 | 14.72365 | 24.62635 | 41.26991 | 7.39179 | 22.41821 | 44.7238 | 10.84568 | 55.36432 |
| 6/3/2025 | 5:00:00 PM | 33.8614 | 60.10141 | 26.24001 | 21.48999 | 47.26961 | 13.40821 | 25.24179 | 48.59821 | 14.73681 | 24.61319 | 41.25917 | 7.39777 | 22.41223 | 44.70951 | 10.84811 | 55.36189 |
| 6/3/2025 | 6:00:00 PM | 33.838 | 60.08356 | 26.24556 | 21.48444 | 47.23271 | 13.39471 | 25.25529 | 48.56968 | 14.73168 | 24.61832 | 41.24486 | 7.40686 | 22.40314 | 44.70236 | 10.86436 | 55.34564 |
| 6/3/2025 | 7:00:00 PM | 33.83131 | 60.08356 | 26.25225 | 21.47775 | 47.20924 | 13.37793 | 25.27207 | 48.55542 | 14.72411 | 24.62589 | 41.24129 | 7.40998 | 22.40002 | 44.70951 | 10.8782 | 55.3318 |
| 6/3/2025 | 8:00:00 PM | 33.83465 | 60.0907 | 26.25605 | 21.47395 | 47.2193 | 13.38465 | 25.26535 | 48.56968 | 14.73503 | 24.61497 | 41.2556 | 7.42095 | 22.38905 | 44.73095 | 10.8963 | 55.3137 |
| 6/3/2025 | 9:00:00 PM | 33.81459 | 60.09427 | 26.27968 | 21.45032 | 47.20924 | 13.39465 | 25.25535 | 48.56968 | 14.75509 | 24.59491 | 41.24844 | 7.43385 | 22.37615 | 44.73095 | 10.91636 | 55.29364 |
| 6/3/2025 | 10:00:00 PM | 33.8079 | 60.09427 | 26.28637 | 21.44363 | 47.21259 | 13.40469 | 25.24531 | 48.56968 | 14.76178 | 24.58822 | 41.24129 | 7.43339 | 22.37661 | 44.7381 | 10.9302 | 55.2798 |
| 6/3/2025 | 11:00:00 PM | 33.79452 | 60.09784 | 26.30332 | 21.42668 | 47.20924 | 13.41472 | 25.23528 | 48.56612 | 14.7716 | 24.5784 | 41.23771 | 7.44319 | 22.36681 | 44.73452 | 10.94 | 55.27 |
| 6/4/2025 | 12:00:00 AM | 33.78784 | 60.0907 | 26.30286 | 21.42714 | 47.21594 | 13.4281 | 25.2219 | 48.55186 | 14.76402 | 24.58598 | 41.23055 | 7.44271 | 22.36729 | 44.7381 | 10.95026 | 55.25974 |
| 6/4/2025 | 1:00:00 AM | 33.78115 | 60.0907 | 26.30955 | 21.42045 | 47.22601 | 13.44486 | 25.20514 | 48.55542 | 14.77427 | 24.57573 | 41.2234 | 7.44225 | 22.36775 | 44.73095 | 10.9498 | 55.2602 |
| 6/4/2025 | 2:00:00 AM | 33.7778 | 60.0907 | 26.3129 | 21.4171 | 47.22936 | 13.45156 | 25.19844 | 48.54829 | 14.77049 | 24.57951 | 41.2234 | 7.4456 | 22.3644 | 44.73095 | 10.95315 | 55.25685 |
| 6/4/2025 | 3:00:00 AM | 33.78115 | 60.0907 | 26.30955 | 21.42045 | 47.24613 | 13.46498 | 25.18502 | 48.56612 | 14.78497 | 24.56503 | 41.21982 | 7.43867 | 22.37133 | 44.74882 | 10.96767 | 55.24233 |
| 6/4/2025 | 4:00:00 AM | 33.7778 | 60.09784 | 26.32004 | 21.40996 | 47.25619 | 13.47839 | 25.17161 | 48.55899 | 14.78119 | 24.56881 | 41.2234 | 7.4456 | 22.3644 | 44.7381 | 10.9603 | 55.2497 |
| 6/4/2025 | 5:00:00 AM | 33.77446 | 60.08713 | 26.31267 | 21.41733 | 47.25954 | 13.48508 | 25.16492 | 48.55186 | 14.7774 | 24.5726 | 41.21624 | 7.44178 | 22.36822 | 44.74167 | 10.96721 | 55.24279 |
| 6/4/2025 | 6:00:00 AM | 33.78449 | 60.09427 | 26.30978 | 21.42022 | 47.26625 | 13.48176 | 25.16824 | 48.56255 | 14.77806 | 24.57194 | 41.20909 | 7.4246 | 22.3854 | 44.7381 | 10.95361 | 55.25639 |
| 6/4/2025 | 7:00:00 AM | 33.79118 | 60.10141 | 26.31023 | 21.41977 | 47.28638 | 13.4952 | 25.1548 | 48.57325 | 14.78207 | 24.56793 | 41.21982 | 7.42864 | 22.38136 | 44.74167 | 10.95049 | 55.25951 |
| 6/4/2025 | 8:00:00 AM | 33.79118 | 60.0907 | 26.29952 | 21.43048 | 47.28973 | 13.49855 | 25.15145 | 48.56968 | 14.7785 | 24.5715 | 41.20551 | 7.41433 | 22.39567 | 44.74167 | 10.95049 | 55.25951 |
| 6/4/2025 | 9:00:00 AM | 33.79452 | 60.0907 | 26.29618 | 21.43382 | 47.28302 | 13.4885 | 25.1615 | 48.55899 | 14.76447 | 24.58553 | 41.20193 | 7.40741 | 22.40259 | 44.72737 | 10.93285 | 55.27715 |
| 6/4/2025 | 10:00:00 AM | 33.79452 | 60.07999 | 26.28547 | 21.44453 | 47.27967 | 13.48515 | 25.16485 | 48.56255 | 14.76803 | 24.58197 | 41.19477 | 7.40025 | 22.40975 | 44.72023 | 10.92571 | 55.28429 |
| 6/4/2025 | 11:00:00 AM | 33.80456 | 60.07999 | 26.27543 | 21.45457 | 47.28973 | 13.48517 | 25.16483 | 48.55542 | 14.75086 | 24.59914 | 41.20909 | 7.40453 | 22.40547 | 44.72737 | 10.92281 | 55.28719 |
| 6/4/2025 | 12:00:00 PM | 33.76443 | 60.07284 | 26.30841 | 21.42159 | 47.28302 | 13.51859 | 25.13141 | 48.54829 | 14.78386 | 24.56614 | 41.19835 | 7.43392 | 22.37608 | 44.72023 | 10.9558 | 55.2542 |
| 6/4/2025 | 1:00:00 PM | 33.77112 | 60.0657 | 26.29458 | 21.43542 | 47.26961 | 13.49849 | 25.15151 | 48.5376 | 14.76648 | 24.58352 | 41.1912 | 7.42008 | 22.38992 | 44.70951 | 10.93839 | 55.27161 |
| 6/4/2025 | 2:00:00 PM | 33.77446 | 60.05142 | 26.27696 | 21.45304 | 47.24948 | 13.47502 | 25.17498 | 48.52334 | 14.74888 | 24.60112 | 41.18404 | 7.40958 | 22.40042 | 44.70593 | 10.93147 | 55.27853 |
| 6/4/2025 | 3:00:00 PM | 33.77446 | 60.05142 | 26.27696 | 21.45304 | 47.22936 | 13.4549 | 25.1951 | 48.5269 | 14.75244 | 24.59756 | 41.17689 | 7.40243 | 22.40757 | 44.69164 | 10.91718 | 55.29282 |
| 6/4/2025 | 4:00:00 PM | 33.7778 | 60.02285 | 26.24505 | 21.48495 | 47.20588 | 13.42808 | 25.22192 | 48.50194 | 14.72414 | 24.62586 | 41.16615 | 7.38835 | 22.42165 | 44.68806 | 10.91026 | 55.29974 |
| 6/4/2025 | 5:00:00 PM | 33.77446 | 60.01571 | 26.24125 | 21.48875 | 47.1824 | 13.40794 | 25.24206 | 48.49481 | 14.72035 | 24.62965 | 41.16257 | 7.38811 | 22.42189 | 44.67734 | 10.90288 | 55.30712 |
| 6/4/2025 | 6:00:00 PM | 33.77446 | 60.00857 | 26.23411 | 21.49589 | 47.16564 | 13.39118 | 25.25882 | 48.47342 | 14.69896 | 24.65104 | 41.15542 | 7.38096 | 22.42904 | 44.67019 | 10.89573 | 55.31427 |
| 6/4/2025 | 7:00:00 PM | 33.76108 | 59.99786 | 26.23678 | 21.49322 | 47.14551 | 13.38443 | 25.26557 | 48.46986 | 14.70878 | 24.64122 | 41.14826 | 7.38718 | 22.42282 | 44.67377 | 10.91269 | 55.29731 |
| 6/4/2025 | 8:00:00 PM | 33.75105 | 60.00143 | 26.25038 | 21.47962 | 47.1321 | 13.38105 | 25.26895 | 48.46629 | 14.71524 | 24.63476 | 41.14826 | 7.39721 | 22.41279 | 44.68449 | 10.93344 | 55.27656 |
| 6/4/2025 | 9:00:00 PM | 33.74771 | 60.005 | 26.25729 | 21.47271 | 47.13545 | 13.38774 | 25.26226 | 48.47342 | 14.72571 | 24.62429 | 41.15184 | 7.40413 | 22.40587 | 44.69521 | 10.9475 | 55.2625 |
| 6/4/2025 | 10:00:00 PM | 33.74436 | 60.01928 | 26.27492 | 21.45508 | 47.14551 | 13.40115 | 25.24885 | 48.48055 | 14.73619 | 24.61381 | 41.159 | 7.41464 | 22.39536 | 44.71308 | 10.96872 | 55.24128 |
| 6/4/2025 | 11:00:00 PM | 33.74102 | 60.01571 | 26.27469 | 21.45531 | 47.15222 | 13.4112 | 25.2388 | 48.48055 | 14.73953 | 24.61047 | 41.15542 | 7.4144 | 22.3956 | 44.70236 | 10.96134 | 55.24866 |
| 6/5/2025 | 12:00:00 AM | 33.73099 | 60.01928 | 26.28829 | 21.44171 | 47.15893 | 13.42794 | 25.22206 | 48.48412 | 14.75313 | 24.59687 | 41.15184 | 7.42085 | 22.38915 | 44.70593 | 10.97494 | 55.23506 |
| 6/5/2025 | 1:00:00 AM | 33.72096 | 60.02285 | 26.30189 | 21.42811 | 47.17234 | 13.45138 | 25.19862 | 48.48055 | 14.75959 | 24.59041 | 41.14111 | 7.42015 | 22.38985 | 44.70236 | 10.9814 | 55.2286 |
| 6/5/2025 | 2:00:00 AM | 33.72764 | 60.02642 | 26.29878 | 21.43122 | 47.1824 | 13.45476 | 25.19524 | 48.49481 | 14.76717 | 24.58283 | 41.15184 | 7.4242 | 22.3858 | 44.70951 | 10.98187 | 55.22813 |
| 6/5/2025 | 3:00:00 AM | 33.71761 | 60.02642 | 26.30881 | 21.42119 | 47.19247 | 13.47486 | 25.17514 | 48.49125 | 14.77364 | 24.57636 | 41.14826 | 7.43065 | 22.37935 | 44.70593 | 10.98832 | 55.22168 |
| 6/5/2025 | 4:00:00 AM | 33.71761 | 60.03714 | 26.31953 | 21.41047 | 47.19582 | 13.47821 | 25.17179 | 48.48768 | 14.77007 | 24.57993 | 41.14468 | 7.42707 | 22.38293 | 44.70236 | 10.98475 | 55.22525 |
| 6/5/2025 | 5:00:00 AM | 33.71761 | 60.03357 | 26.31596 | 21.41404 | 47.21259 | 13.49498 | 25.15502 | 48.49481 | 14.7772 | 24.5728 | 41.14468 | 7.42707 | 22.38293 | 44.70951 | 10.9919 | 55.2181 |
| 6/5/2025 | 6:00:00 AM | 33.71092 | 60.03714 | 26.32622 | 21.40378 | 47.22601 | 13.51509 | 25.13491 | 48.50551 | 14.79459 | 24.55541 | 41.14826 | 7.43734 | 22.37266 | 44.70593 | 10.99501 | 55.21499 |
| 6/5/2025 | 7:00:00 AM | 33.71761 | 60.04428 | 26.32667 | 21.40333 | 47.23607 | 13.51846 | 25.13154 | 48.50907 | 14.79146 | 24.55854 | 41.15184 | 7.43423 | 22.37577 | 44.70593 | 10.98832 | 55.22168 |
| 6/5/2025 | 8:00:00 AM | 33.7243 | 60.04428 | 26.31998 | 21.41002 | 47.24948 | 13.52518 | 25.12482 | 48.51977 | 14.79547 | 24.55453 | 41.15542 | 7.43112 | 22.37888 | 44.70951 | 10.98521 | 55.22479 |
| 6/5/2025 | 9:00:00 AM | 33.73099 | 60.04785 | 26.31686 | 21.41314 | 47.25619 | 13.5252 | 25.1248 | 48.51264 | 14.78165 | 24.56835 | 41.15184 | 7.42085 | 22.38915 | 44.70951 | 10.97852 | 55.23148 |
| 6/5/2025 | 10:00:00 AM | 33.73099 | 60.04071 | 26.30972 | 21.42028 | 47.24948 | 13.51849 | 25.13151 | 48.50194 | 14.77095 | 24.57905 | 41.14468 | 7.41369 | 22.39631 | 44.69164 | 10.96065 | 55.24935 |
| 6/5/2025 | 11:00:00 AM | 33.73433 | 60.02642 | 26.29209 | 21.43791 | 47.23942 | 13.50509 | 25.14491 | 48.49838 | 14.76405 | 24.58595 | 41.14111 | 7.40678 | 22.40322 | 44.68449 | 10.95016 | 55.25984 |
| 6/5/2025 | 12:00:00 PM | 33.74436 | 60.02642 | 26.28206 | 21.44794 | 47.23607 | 13.49171 | 25.15829 | 48.48412 | 14.73976 | 24.61024 | 41.13037 | 7.38601 | 22.42399 | 44.68091 | 10.93655 | 55.27345 |
| 6/5/2025 | 1:00:00 PM | 33.7544 | 60.00143 | 26.24703 | 21.48297 | 47.21594 | 13.46154 | 25.18846 | 48.48055 | 14.72615 | 24.62385 | 41.12322 | 7.36882 | 22.44118 | 44.67019 | 10.91579 | 55.29421 |
| 6/5/2025 | 2:00:00 PM | 33.76108 | 59.99429 | 26.23321 | 21.49679 | 47.19582 | 13.43474 | 25.21526 | 48.46273 | 14.70165 | 24.64835 | 41.11606 | 7.35498 | 22.45502 | 44.65947 | 10.89839 | 55.31161 |
| 6/5/2025 | 3:00:00 PM | 33.74771 | 59.96572 | 26.21801 | 21.51199 | 47.15557 | 13.40786 | 25.24214 | 48.44133 | 14.69362 | 24.65638 | 41.10533 | 7.35762 | 22.45238 | 44.63803 | 10.89032 | 55.31968 |
| 6/5/2025 | 4:00:00 PM | 33.72096 | 59.96215 | 26.24119 | 21.48881 | 47.12539 | 13.40443 | 25.24557 | 48.42707 | 14.70611 | 24.64389 | 41.09817 | 7.37721 | 22.43279 | 44.63803 | 10.91707 | 55.29293 |
| 6/5/2025 | 5:00:00 PM | 33.72096 | 59.95143 | 26.23047 | 21.49953 | 47.10527 | 13.38431 | 25.26569 | 48.41281 | 14.69185 | 24.65815 | 41.0946 | 7.37364 | 22.43636 | 44.6416 | 10.92064 | 55.28936 |
| 6/5/2025 | 6:00:00 PM | 33.71427 | 59.94429 | 26.23002 | 21.49998 | 47.07508 | 13.36081 | 25.28919 | 48.40925 | 14.69498 | 24.65502 | 41.0946 | 7.38033 | 22.42967 | 44.6416 | 10.92733 | 55.28267 |
| 6/5/2025 | 7:00:00 PM | 33.70758 | 59.95858 | 26.251 | 21.479 | 47.06837 | 13.36079 | 25.28921 | 48.41638 | 14.7088 | 24.6412 | 41.0946 | 7.38702 | 22.42298 | 44.66304 | 10.95546 | 55.25454 |
| 6/5/2025 | 8:00:00 PM | 33.71092 | 59.96572 | 26.2548 | 21.4752 | 47.07843 | 13.36751 | 25.28249 | 48.42707 | 14.71615 | 24.63385 | 41.10175 | 7.39083 | 22.41917 | 44.67377 | 10.96285 | 55.24715 |
| 6/5/2025 | 9:00:00 PM | 33.6942 | 59.97286 | 26.27866 | 21.45134 | 47.07508 | 13.38088 | 25.26912 | 48.42351 | 14.72931 | 24.62069 | 41.09817 | 7.40397 | 22.40603 | 44.67019 | 10.97599 | 55.23401 |
| 6/5/2025 | 10:00:00 PM | 33.68417 | 59.97286 | 26.28869 | 21.44131 | 47.07843 | 13.39426 | 25.25574 | 48.42707 | 14.7429 | 24.6071 | 41.0946 | 7.41043 | 22.39957 | 44.67734 | 10.99317 | 55.21683 |
| 6/5/2025 | 11:00:00 PM | 33.67414 | 59.96929 | 26.29515 | 21.43485 | 47.08514 | 13.411 | 25.239 | 48.43064 | 14.7565 | 24.5935 | 41.0946 | 7.42046 | 22.38954 | 44.67377 | 10.99963 | 55.21037 |
| 6/6/2025 | 12:00:00 AM | 33.66076 | 59.97643 | 26.31567 | 21.41433 | 47.0952 | 13.43444 | 25.21556 | 48.43064 | 14.76988 | 24.58012 | 41.09102 | 7.43026 | 22.37974 | 44.67019 | 11.00943 | 55.20057 |
| 6/6/2025 | 1:00:00 AM | 33.65408 | 59.96215 | 26.30807 | 21.42193 | 47.0952 | 13.44112 | 25.20888 | 48.41281 | 14.75873 | 24.59127 | 41.07671 | 7.42263 | 22.38737 | 44.65232 | 10.99824 | 55.21176 |
| 6/6/2025 | 2:00:00 AM | 33.6407 | 59.95501 | 26.31431 | 21.41569 | 47.09185 | 13.45115 | 25.19885 | 48.40568 | 14.76498 | 24.58502 | 41.07313 | 7.43243 | 22.37757 | 44.64875 | 11.00805 | 55.20195 |
| 6/6/2025 | 3:00:00 AM | 33.63067 | 59.95143 | 26.32076 | 21.40924 | 47.0885 | 13.45783 | 25.19217 | 48.40212 | 14.77145 | 24.57855 | 41.06955 | 7.43888 | 22.37112 | 44.6416 | 11.01093 | 55.19907 |
| 6/6/2025 | 4:00:00 AM | 33.62732 | 59.94429 | 26.31697 | 21.41303 | 47.10191 | 13.47459 | 25.17541 | 48.39499 | 14.76767 | 24.58233 | 41.07313 | 7.44581 | 22.36419 | 44.6416 | 11.01428 | 55.19572 |
| 6/6/2025 | 5:00:00 AM | 33.62064 | 59.95858 | 26.33794 | 21.39206 | 47.10862 | 13.48798 | 25.16202 | 48.39499 | 14.77435 | 24.57565 | 41.07313 | 7.45249 | 22.35751 | 44.64875 | 11.02811 | 55.18189 |
| 6/6/2025 | 6:00:00 AM | 33.62064 | 59.95858 | 26.33794 | 21.39206 | 47.12874 | 13.5081 | 25.1419 | 48.40925 | 14.78861 | 24.56139 | 41.08028 | 7.45964 | 22.35036 | 44.65947 | 11.03883 | 55.17117 |
| 6/6/2025 | 7:00:00 AM | 33.63067 | 59.97286 | 26.34219 | 21.38781 | 47.14551 | 13.51484 | 25.13516 | 48.42351 | 14.79284 | 24.55716 | 41.08744 | 7.45677 | 22.35323 | 44.67377 | 11.0431 | 55.1669 |
| 6/6/2025 | 8:00:00 AM | 33.63067 | 59.97286 | 26.34219 | 21.38781 | 47.14887 | 13.5182 | 25.1318 | 48.42351 | 14.79284 | 24.55716 | 41.08028 | 7.44961 | 22.36039 | 44.65947 | 11.0288 | 55.1812 |
| 6/6/2025 | 9:00:00 AM | 33.63067 | 59.97286 | 26.34219 | 21.38781 | 47.15557 | 13.5249 | 25.1251 | 48.41281 | 14.78214 | 24.56786 | 41.07313 | 7.44246 | 22.36754 | 44.66304 | 11.03237 | 55.17763 |
| 6/6/2025 | 10:00:00 AM | 33.6407 | 59.95858 | 26.31788 | 21.41212 | 47.15557 | 13.51487 | 25.13513 | 48.41281 | 14.77211 | 24.57789 | 41.07313 | 7.43243 | 22.37757 | 44.64518 | 11.00448 | 55.20552 |
| 6/6/2025 | 11:00:00 AM | 33.65408 | 59.95143 | 26.29735 | 21.43265 | 47.14551 | 13.49143 | 25.15857 | 48.39855 | 14.74447 | 24.60553 | 41.06597 | 7.41189 | 22.39811 | 44.63445 | 10.98037 | 55.22963 |
| 6/6/2025 | 12:00:00 PM | 33.65742 | 59.93715 | 26.27973 | 21.45027 | 47.12539 | 13.46797 | 25.18203 | 48.38785 | 14.73043 | 24.61957 | 41.05166 | 7.39424 | 22.41576 | 44.62373 | 10.96631 | 55.24369 |
| 6/6/2025 | 1:00:00 PM | 33.66076 | 59.92644 | 26.26568 | 21.46432 | 47.11197 | 13.45121 | 25.19879 | 48.38429 | 14.72353 | 24.62647 | 41.04808 | 7.38732 | 22.42268 | 44.62373 | 10.96297 | 55.24703 |
| 6/6/2025 | 2:00:00 PM | 33.68417 | 59.92287 | 26.2387 | 21.4913 | 47.0952 | 13.41103 | 25.23897 | 48.37716 | 14.69299 | 24.65701 | 41.04808 | 7.36391 | 22.44609 | 44.62731 | 10.94314 | 55.26686 |
| 6/6/2025 | 3:00:00 PM | 33.70089 | 59.91216 | 26.21127 | 21.51873 | 47.06837 | 13.36748 | 25.28252 | 48.37003 | 14.66914 | 24.68086 | 41.04451 | 7.34362 | 22.46638 | 44.62373 | 10.92284 | 55.28716 |
| 6/6/2025 | 4:00:00 PM | 33.67414 | 59.90501 | 26.23087 | 21.49913 | 47.03483 | 13.36069 | 25.28931 | 48.35577 | 14.68163 | 24.66837 | 41.03377 | 7.35963 | 22.45037 | 44.61301 | 10.93887 | 55.27113 |
| 6/6/2025 | 5:00:00 PM | 33.67414 | 59.89787 | 26.22373 | 21.50627 | 47.01806 | 13.34392 | 25.30608 | 48.34151 | 14.66737 | 24.68263 | 41.03377 | 7.35963 | 22.45037 | 44.60944 | 10.9353 | 55.2747 |
| 6/6/2025 | 6:00:00 PM | 33.66745 | 59.90144 | 26.23399 | 21.49601 | 46.99459 | 13.32714 | 25.32286 | 48.33438 | 14.66693 | 24.68307 | 41.02662 | 7.35917 | 22.45083 | 44.61658 | 10.94913 | 55.26087 |
| 6/6/2025 | 7:00:00 PM | 33.65742 | 59.8943 | 26.23688 | 21.49312 | 46.98117 | 13.32375 | 25.32625 | 48.33794 | 14.68052 | 24.66948 | 41.03377 | 7.37635 | 22.43365 | 44.62731 | 10.96989 | 55.24011 |
| 6/6/2025 | 8:00:00 PM | 33.65742 | 59.89073 | 26.23331 | 21.49669 | 46.98117 | 13.32375 | 25.32625 | 48.33794 | 14.68052 | 24.66948 | 41.03377 | 7.37635 | 22.43365 | 44.62373 | 10.96631 | 55.24369 |
| 6/6/2025 | 9:00:00 PM | 33.64739 | 59.90501 | 26.25762 | 21.47238 | 46.99123 | 13.34384 | 25.30616 | 48.3522 | 14.70481 | 24.64519 | 41.03735 | 7.38996 | 22.42004 | 44.63803 | 10.99064 | 55.21936 |
| 6/6/2025 | 10:00:00 PM | 33.64404 | 59.92644 | 26.2824 | 21.4476 | 47.00465 | 13.36061 | 25.28939 | 48.37359 | 14.72955 | 24.62045 | 41.04808 | 7.40404 | 22.40596 | 44.65947 | 11.01543 | 55.19457 |
| 6/6/2025 | 11:00:00 PM | 33.62732 | 59.9193 | 26.29198 | 21.43802 | 47.01136 | 13.38404 | 25.26596 | 48.36646 | 14.73914 | 24.61086 | 41.04451 | 7.41719 | 22.39281 | 44.64518 | 11.01786 | 55.19214 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/7/2025 | 12:00:00 AM | 33.62064 | 59.92644 | 26.3058 | 21.4242 | 47.02142 | 13.40078 | 25.24922 | 48.37003 | 14.74939 | 24.60061 | 41.04093 | 7.42029 | 22.38971 | 44.64518 | 11.02454 | 55.18546 |
| 6/7/2025 | 1:00:00 AM | 33.62064 | 59.93715 | 26.31651 | 21.41349 | 47.04154 | 13.4209 | 25.2291 | 48.37359 | 14.75295 | 24.59705 | 41.04451 | 7.42387 | 22.38613 | 44.64875 | 11.02811 | 55.18189 |
| 6/7/2025 | 2:00:00 AM | 33.60392 | 59.93715 | 26.33323 | 21.39677 | 47.05496 | 13.45104 | 25.19896 | 48.37716 | 14.77324 | 24.57676 | 41.04451 | 7.44059 | 22.36941 | 44.64875 | 11.04483 | 55.16517 |
| 6/7/2025 | 3:00:00 AM | 33.60392 | 59.93358 | 26.32966 | 21.40034 | 47.07173 | 13.46781 | 25.18219 | 48.38429 | 14.78037 | 24.56963 | 41.04451 | 7.44059 | 22.36941 | 44.64518 | 11.04126 | 55.16874 |
| 6/7/2025 | 4:00:00 AM | 33.60057 | 59.93358 | 26.33301 | 21.39699 | 47.07508 | 13.47451 | 25.17549 | 48.37359 | 14.77302 | 24.57698 | 41.04093 | 7.44036 | 22.36964 | 44.64518 | 11.04461 | 55.16539 |
| 6/7/2025 | 5:00:00 AM | 33.60057 | 59.94786 | 26.34729 | 21.38271 | 47.0885 | 13.48793 | 25.16207 | 48.39142 | 14.79085 | 24.55915 | 41.04808 | 7.44751 | 22.36249 | 44.64875 | 11.04818 | 55.16182 |
| 6/7/2025 | 6:00:00 AM | 33.60392 | 59.96215 | 26.35823 | 21.37177 | 47.11868 | 13.51476 | 25.13524 | 48.40212 | 14.7982 | 24.5518 | 41.0624 | 7.45848 | 22.35152 | 44.65232 | 11.0484 | 55.1616 |
| 6/7/2025 | 7:00:00 AM | 33.6106 | 59.96215 | 26.35155 | 21.37845 | 47.12874 | 13.51814 | 25.13186 | 48.40568 | 14.79508 | 24.55492 | 41.0624 | 7.4518 | 22.3582 | 44.64875 | 11.03815 | 55.17185 |
| 6/7/2025 | 8:00:00 AM | 33.61395 | 59.96572 | 26.35177 | 21.37823 | 47.13545 | 13.5215 | 25.1285 | 48.40925 | 14.7953 | 24.5547 | 41.06597 | 7.45202 | 22.35798 | 44.65232 | 11.03837 | 55.17163 |
| 6/7/2025 | 9:00:00 AM | 33.62064 | 59.96215 | 26.34151 | 21.38849 | 47.14551 | 13.52487 | 25.12513 | 48.40568 | 14.78504 | 24.56496 | 41.06597 | 7.44533 | 22.36467 | 44.64875 | 11.02811 | 55.18189 |
| 6/7/2025 | 10:00:00 AM | 33.60726 | 59.96215 | 26.35489 | 21.37511 | 47.14216 | 13.5349 | 25.1151 | 48.40212 | 14.79486 | 24.55514 | 41.04808 | 7.44082 | 22.36918 | 44.63445 | 11.02719 | 55.18281 |
| 6/7/2025 | 11:00:00 AM | 33.62064 | 59.95858 | 26.33794 | 21.39206 | 47.14216 | 13.52152 | 25.12848 | 48.40212 | 14.78148 | 24.56852 | 41.05524 | 7.4346 | 22.3754 | 44.6416 | 11.02096 | 55.18904 |
| 6/7/2025 | 12:00:00 PM | 33.63401 | 59.94429 | 26.31028 | 21.41972 | 47.12874 | 13.49473 | 25.15527 | 48.38785 | 14.75384 | 24.59616 | 41.05524 | 7.42123 | 22.38877 | 44.63088 | 10.99687 | 55.21313 |
| 6/7/2025 | 1:00:00 PM | 33.6407 | 59.93001 | 26.28931 | 21.44069 | 47.10862 | 13.46792 | 25.18208 | 48.38072 | 14.74002 | 24.60998 | 41.04451 | 7.40381 | 22.40619 | 44.61658 | 10.97588 | 55.23412 |
| 6/7/2025 | 2:00:00 PM | 33.6708 | 59.92644 | 26.25564 | 21.47436 | 47.0885 | 13.4177 | 25.2323 | 48.3629 | 14.6921 | 24.6579 | 41.03735 | 7.36655 | 22.44345 | 44.61658 | 10.94578 | 55.26422 |
| 6/7/2025 | 3:00:00 PM | 33.7243 | 59.91216 | 26.18786 | 21.54214 | 47.05831 | 13.33401 | 25.31599 | 48.3522 | 14.6279 | 24.7221 | 41.03377 | 7.30947 | 22.50053 | 44.60944 | 10.88514 | 55.32486 |
| 6/7/2025 | 4:00:00 PM | 33.69086 | 59.91216 | 26.2213 | 21.5087 | 47.03483 | 13.34397 | 25.30603 | 48.34864 | 14.65778 | 24.69222 | 41.03735 | 7.34649 | 22.46351 | 44.60229 | 10.91143 | 55.29857 |
| 6/7/2025 | 5:00:00 PM | 33.6942 | 59.90501 | 26.21081 | 21.51919 | 47.02142 | 13.32722 | 25.32278 | 48.34864 | 14.65444 | 24.69556 | 41.03735 | 7.34315 | 22.46685 | 44.61658 | 10.92238 | 55.28762 |
| 6/7/2025 | 6:00:00 PM | 33.68752 | 59.90501 | 26.21749 | 21.51251 | 46.98788 | 13.30036 | 25.34964 | 48.33794 | 14.65042 | 24.69958 | 41.0302 | 7.34268 | 22.46732 | 44.60586 | 10.91834 | 55.29166 |
| 6/7/2025 | 7:00:00 PM | 33.67414 | 59.88716 | 26.21302 | 21.51698 | 46.97446 | 13.30032 | 25.34968 | 48.33438 | 14.66024 | 24.68976 | 41.03377 | 7.35963 | 22.45037 | 44.60586 | 10.93172 | 55.27828 |
| 6/7/2025 | 8:00:00 PM | 33.66411 | 59.89073 | 26.22662 | 21.50338 | 46.96105 | 13.29694 | 25.35306 | 48.32725 | 14.66314 | 24.68686 | 41.01946 | 7.35535 | 22.45465 | 44.60586 | 10.94175 | 55.26825 |
| 6/7/2025 | 9:00:00 PM | 33.65408 | 59.8943 | 26.24022 | 21.48978 | 46.95769 | 13.30361 | 25.34639 | 48.32725 | 14.67317 | 24.67683 | 41.02662 | 7.37254 | 22.43746 | 44.61301 | 10.95893 | 55.25107 |
| 6/7/2025 | 10:00:00 PM | 33.65073 | 59.91573 | 26.265 | 21.465 | 46.96105 | 13.31032 | 25.33968 | 48.33438 | 14.68365 | 24.66635 | 41.0302 | 7.37947 | 22.43053 | 44.62731 | 10.97658 | 55.23342 |
| 6/7/2025 | 11:00:00 PM | 33.63401 | 59.91216 | 26.27815 | 21.45185 | 46.96776 | 13.33375 | 25.31625 | 48.34151 | 14.7075 | 24.6425 | 41.0302 | 7.39619 | 22.41381 | 44.62731 | 10.9933 | 55.2167 |
| 6/8/2025 | 12:00:00 AM | 33.61729 | 59.91573 | 26.29844 | 21.43156 | 46.98453 | 13.36724 | 25.28276 | 48.33794 | 14.72065 | 24.62935 | 41.02662 | 7.40933 | 22.40067 | 44.62373 | 11.00644 | 55.20356 |
| 6/8/2025 | 1:00:00 AM | 33.61395 | 59.91216 | 26.29821 | 21.43179 | 46.99459 | 13.38064 | 25.26936 | 48.32725 | 14.7133 | 24.6367 | 41.02304 | 7.40909 | 22.40091 | 44.62016 | 11.00621 | 55.20379 |
| 6/8/2025 | 2:00:00 AM | 33.60726 | 59.91216 | 26.3049 | 21.4251 | 47.00465 | 13.39739 | 25.25261 | 48.33794 | 14.73068 | 24.61932 | 41.02662 | 7.41936 | 22.39064 | 44.62373 | 11.01647 | 55.19353 |
| 6/8/2025 | 3:00:00 AM | 33.60057 | 59.90858 | 26.30801 | 21.42199 | 47.02142 | 13.42085 | 25.22915 | 48.33794 | 14.73737 | 24.61263 | 41.0302 | 7.42963 | 22.38037 | 44.62731 | 11.02674 | 55.18326 |
| 6/8/2025 | 4:00:00 AM | 33.60057 | 59.90858 | 26.30801 | 21.42199 | 47.02477 | 13.4242 | 25.2258 | 48.33081 | 14.73024 | 24.61976 | 41.02304 | 7.42247 | 22.38753 | 44.61658 | 11.01601 | 55.19399 |
| 6/8/2025 | 5:00:00 AM | 33.59054 | 59.91216 | 26.32162 | 21.40838 | 47.02813 | 13.43759 | 25.21241 | 48.33081 | 14.74027 | 24.60973 | 41.01946 | 7.42892 | 22.38108 | 44.60944 | 11.0189 | 55.1911 |
| 6/8/2025 | 6:00:00 AM | 33.60057 | 59.91216 | 26.31159 | 21.41841 | 47.0516 | 13.45103 | 25.19897 | 48.33794 | 14.73737 | 24.61263 | 41.02304 | 7.42247 | 22.38753 | 44.61658 | 11.01601 | 55.19399 |
| 6/8/2025 | 7:00:00 AM | 33.60057 | 59.9193 | 26.31873 | 21.41127 | 47.06837 | 13.4678 | 25.1822 | 48.33794 | 14.73737 | 24.61263 | 41.0302 | 7.42963 | 22.38037 | 44.63445 | 11.03388 | 55.17612 |
| 6/8/2025 | 8:00:00 AM | 33.60726 | 59.92644 | 26.31918 | 21.41082 | 47.07173 | 13.46447 | 25.18553 | 48.34151 | 14.73425 | 24.61575 | 41.02662 | 7.41936 | 22.39064 | 44.63445 | 11.02719 | 55.18281 |
| 6/8/2025 | 9:00:00 AM | 33.62398 | 59.93358 | 26.3096 | 21.4204 | 47.0885 | 13.46452 | 25.18548 | 48.35577 | 14.73179 | 24.61821 | 41.0302 | 7.40622 | 22.40378 | 44.6416 | 11.01762 | 55.19238 |
| 6/8/2025 | 10:00:00 AM | 33.63736 | 59.92287 | 26.28551 | 21.44449 | 47.0885 | 13.45114 | 25.19886 | 48.34864 | 14.71128 | 24.63872 | 41.0302 | 7.39284 | 22.41716 | 44.62016 | 10.9828 | 55.2272 |
| 6/8/2025 | 11:00:00 AM | 33.6407 | 59.92287 | 26.28217 | 21.44783 | 47.08514 | 13.44444 | 25.20556 | 48.34507 | 14.70437 | 24.64563 | 41.02304 | 7.38234 | 22.42766 | 44.61301 | 10.97231 | 55.23769 |
| 6/8/2025 | 12:00:00 PM | 33.62732 | 59.91216 | 26.28484 | 21.44516 | 47.07508 | 13.44776 | 25.20224 | 48.34151 | 14.71419 | 24.63581 | 41.01588 | 7.38856 | 22.42144 | 44.60229 | 10.97497 | 55.23503 |
| 6/8/2025 | 1:00:00 PM | 33.64404 | 59.90501 | 26.26097 | 21.46903 | 47.04825 | 13.40421 | 25.24579 | 48.32368 | 14.67964 | 24.67036 | 41.01588 | 7.37184 | 22.43816 | 44.59871 | 10.95467 | 55.25533 |
| 6/8/2025 | 2:00:00 PM | 33.66745 | 59.88359 | 26.21614 | 21.51386 | 47.01806 | 13.35061 | 25.29939 | 48.31655 | 14.6491 | 24.7009 | 41.00873 | 7.34128 | 22.46872 | 44.58799 | 10.92054 | 55.28946 |
| 6/8/2025 | 3:00:00 PM | 33.68417 | 59.8693 | 26.18513 | 21.54487 | 46.98788 | 13.30371 | 25.34629 | 48.29872 | 14.61455 | 24.73545 | 40.998 | 7.31383 | 22.49617 | 44.58084 | 10.89667 | 55.31333 |
| 6/8/2025 | 4:00:00 PM | 33.65408 | 59.85502 | 26.20094 | 21.52906 | 46.94428 | 13.2902 | 25.3598 | 48.27733 | 14.62325 | 24.72675 | 40.98726 | 7.33318 | 22.47682 | 44.5737 | 10.91962 | 55.29038 |
| 6/8/2025 | 5:00:00 PM | 33.64404 | 59.84431 | 26.20027 | 21.52973 | 46.91745 | 13.27341 | 25.37659 | 48.25951 | 14.61547 | 24.73453 | 40.98726 | 7.34322 | 22.46678 | 44.5737 | 10.92966 | 55.28034 |
| 6/8/2025 | 6:00:00 PM | 33.63067 | 59.81931 | 26.18864 | 21.54136 | 46.87385 | 13.24318 | 25.40682 | 48.23811 | 14.60744 | 24.74256 | 40.96937 | 7.3387 | 22.4713 | 44.56298 | 10.93231 | 55.27769 |
| 6/8/2025 | 7:00:00 PM | 33.60726 | 59.81574 | 26.20848 | 21.52152 | 46.85372 | 13.24646 | 25.40354 | 48.23811 | 14.63085 | 24.71915 | 40.96937 | 7.36211 | 22.44789 | 44.56298 | 10.95572 | 55.25428 |
| 6/8/2025 | 8:00:00 PM | 33.6106 | 59.81574 | 26.20514 | 21.52486 | 46.83695 | 13.22635 | 25.42365 | 48.23098 | 14.62038 | 24.72962 | 40.96222 | 7.35162 | 22.45838 | 44.56298 | 10.95238 | 55.25762 |
| 6/8/2025 | 9:00:00 PM | 33.58385 | 59.8086 | 26.22475 | 21.50525 | 46.82019 | 13.23634 | 25.41366 | 48.22742 | 14.64357 | 24.70643 | 40.96937 | 7.38552 | 22.42448 | 44.57012 | 10.98627 | 55.22373 |
| 6/8/2025 | 10:00:00 PM | 33.56713 | 59.8336 | 26.26647 | 21.46353 | 46.82689 | 13.25976 | 25.39024 | 48.23455 | 14.66742 | 24.68258 | 40.96937 | 7.40224 | 22.40776 | 44.58799 | 11.02086 | 55.18914 |
| 6/8/2025 | 11:00:00 PM | 33.56044 | 59.84074 | 26.2803 | 21.4497 | 46.84702 | 13.28658 | 25.36342 | 48.23455 | 14.67411 | 24.67589 | 40.97295 | 7.41251 | 22.39749 | 44.59157 | 11.03113 | 55.17887 |
| 6/9/2025 | 12:00:00 AM | 33.55376 | 59.84074 | 26.28698 | 21.44302 | 46.85372 | 13.29996 | 25.35004 | 48.24524 | 14.69148 | 24.65852 | 40.96579 | 7.41203 | 22.39797 | 44.59514 | 11.04138 | 55.16862 |
| 6/9/2025 | 1:00:00 AM | 33.55041 | 59.8336 | 26.28319 | 21.44681 | 46.86379 | 13.31338 | 25.33662 | 48.23811 | 14.6877 | 24.6623 | 40.95864 | 7.40823 | 22.40177 | 44.59157 | 11.04116 | 55.16884 |
| 6/9/2025 | 2:00:00 AM | 33.54038 | 59.85502 | 26.31464 | 21.41536 | 46.89062 | 13.35024 | 25.29976 | 48.24168 | 14.7013 | 24.6487 | 40.95864 | 7.41826 | 22.39174 | 44.59514 | 11.05476 | 55.15524 |
| 6/9/2025 | 3:00:00 AM | 33.54038 | 59.84788 | 26.3075 | 21.4225 | 46.90739 | 13.36701 | 25.28299 | 48.24168 | 14.7013 | 24.6487 | 40.96222 | 7.42184 | 22.38816 | 44.59157 | 11.05119 | 55.15881 |
| 6/9/2025 | 4:00:00 AM | 33.53704 | 59.84788 | 26.31084 | 21.41916 | 46.90739 | 13.37035 | 25.27965 | 48.24168 | 14.70464 | 24.64536 | 40.95506 | 7.41802 | 22.39198 | 44.58084 | 11.0438 | 55.1662 |
| 6/9/2025 | 5:00:00 AM | 33.54038 | 59.84788 | 26.3075 | 21.4225 | 46.93086 | 13.39048 | 25.25952 | 48.24168 | 14.7013 | 24.6487 | 40.95864 | 7.41826 | 22.39174 | 44.58799 | 11.04761 | 55.16239 |
| 6/9/2025 | 6:00:00 AM | 33.54372 | 59.85502 | 26.3113 | 21.4187 | 46.94428 | 13.40056 | 25.24944 | 48.24524 | 14.70152 | 24.64848 | 40.95148 | 7.40776 | 22.40224 | 44.58799 | 11.04427 | 55.16573 |
| 6/9/2025 | 7:00:00 AM | 33.55041 | 59.85859 | 26.30818 | 21.42182 | 46.9644 | 13.41399 | 25.23601 | 48.25594 | 14.70553 | 24.64447 | 40.95864 | 7.40823 | 22.40177 | 44.58799 | 11.03758 | 55.17242 |
| 6/9/2025 | 8:00:00 AM | 33.5571 | 59.85145 | 26.29435 | 21.43565 | 46.96776 | 13.41066 | 25.23934 | 48.25237 | 14.69527 | 24.65473 | 40.95506 | 7.39796 | 22.41204 | 44.57727 | 11.02017 | 55.18983 |
| 6/9/2025 | 9:00:00 AM | 33.56379 | 59.85145 | 26.28766 | 21.44234 | 46.97782 | 13.41403 | 25.23597 | 48.25237 | 14.68858 | 24.66142 | 40.95148 | 7.38769 | 22.42231 | 44.57727 | 11.01348 | 55.19652 |
| 6/9/2025 | 10:00:00 AM | 33.57048 | 59.84074 | 26.27026 | 21.45974 | 46.96776 | 13.39728 | 25.25272 | 48.24524 | 14.67476 | 24.67524 | 40.94791 | 7.37743 | 22.43257 | 44.56655 | 10.99607 | 55.21393 |
| 6/9/2025 | 11:00:00 AM | 33.57382 | 59.84431 | 26.27049 | 21.45951 | 46.97111 | 13.39729 | 25.25271 | 48.24168 | 14.66786 | 24.68214 | 40.94075 | 7.36693 | 22.44307 | 44.56298 | 10.98916 | 55.22084 |
| 6/9/2025 | 12:00:00 PM | 33.58051 | 59.8336 | 26.25309 | 21.47691 | 46.94763 | 13.36712 | 25.28288 | 48.23455 | 14.65404 | 24.69596 | 40.94075 | 7.36024 | 22.44976 | 44.56655 | 10.98604 | 55.22396 |
| 6/9/2025 | 1:00:00 PM | 33.59388 | 59.83003 | 26.23615 | 21.49385 | 46.93422 | 13.34034 | 25.30966 | 48.22385 | 14.62997 | 24.72003 | 40.94433 | 7.35045 | 22.45955 | 44.56298 | 10.9691 | 55.2409 |
| 6/9/2025 | 2:00:00 PM | 33.58051 | 59.80146 | 26.22095 | 21.50905 | 46.89732 | 13.31681 | 25.33319 | 48.20246 | 14.62195 | 24.72805 | 40.91928 | 7.33877 | 22.47123 | 44.54153 | 10.96102 | 55.24898 |
| 6/9/2025 | 3:00:00 PM | 33.62064 | 59.79075 | 26.17011 | 21.55989 | 46.86714 | 13.2465 | 25.4035 | 48.1882 | 14.56756 | 24.78244 | 40.91928 | 7.29864 | 22.51136 | 44.53796 | 10.91732 | 55.29268 |
| 6/9/2025 | 4:00:00 PM | 33.57716 | 59.76932 | 26.19216 | 21.53784 | 46.82354 | 13.24638 | 25.40362 | 48.17037 | 14.59321 | 24.75679 | 40.90855 | 7.33139 | 22.47861 | 44.52366 | 10.9465 | 55.2635 |
| 6/9/2025 | 5:00:00 PM | 33.56713 | 59.76218 | 26.19505 | 21.53495 | 46.80006 | 13.23293 | 25.41707 | 48.15968 | 14.59255 | 24.75745 | 40.90497 | 7.33784 | 22.47216 | 44.52724 | 10.96011 | 55.24989 |
| 6/9/2025 | 6:00:00 PM | 33.54707 | 59.75861 | 26.21154 | 21.51846 | 46.76652 | 13.21945 | 25.43055 | 48.15255 | 14.60548 | 24.74452 | 40.90139 | 7.35432 | 22.45568 | 44.52366 | 10.97659 | 55.23341 |
| 6/9/2025 | 7:00:00 PM | 33.53035 | 59.75861 | 26.22826 | 21.50174 | 46.73969 | 13.20934 | 25.44066 | 48.13829 | 14.60794 | 24.74206 | 40.88708 | 7.35673 | 22.45327 | 44.52366 | 10.99331 | 55.21669 |
| 6/9/2025 | 8:00:00 PM | 33.51028 | 59.7479 | 26.23762 | 21.49238 | 46.72963 | 13.21935 | 25.43065 | 48.13472 | 14.62444 | 24.72556 | 40.89424 | 7.38396 | 22.42604 | 44.53081 | 11.02053 | 55.18947 |
| 6/9/2025 | 9:00:00 PM | 33.5036 | 59.75504 | 26.25144 | 21.47856 | 46.71622 | 13.21262 | 25.43738 | 48.14185 | 14.63825 | 24.71175 | 40.89424 | 7.39064 | 22.41936 | 44.53796 | 11.03436 | 55.17564 |
| 6/9/2025 | 10:00:00 PM | 33.48688 | 59.76932 | 26.28244 | 21.44756 | 46.73298 | 13.2461 | 25.4039 | 48.15611 | 14.66923 | 24.68077 | 40.90497 | 7.41809 | 22.39191 | 44.54868 | 11.0618 | 55.1482 |
| 6/9/2025 | 11:00:00 PM | 33.48353 | 59.77289 | 26.28936 | 21.44064 | 46.74975 | 13.26622 | 25.38378 | 48.15611 | 14.67258 | 24.67742 | 40.90139 | 7.41786 | 22.39214 | 44.55225 | 11.06872 | 55.14128 |
| 6/10/2025 | 12:00:00 AM | 33.4735 | 59.77289 | 26.29939 | 21.43061 | 46.75646 | 13.28296 | 25.36704 | 48.14898 | 14.67548 | 24.67452 | 40.88708 | 7.41358 | 22.39642 | 44.54153 | 11.06803 | 55.14197 |
| 6/10/2025 | 1:00:00 AM | 33.47684 | 59.77289 | 26.29605 | 21.43395 | 46.77994 | 13.3031 | 25.3469 | 48.15968 | 14.68284 | 24.66716 | 40.89782 | 7.42098 | 22.38902 | 44.55583 | 11.07899 | 55.13101 |
| 6/10/2025 | 2:00:00 AM | 33.4735 | 59.79432 | 26.32082 | 21.40918 | 46.80006 | 13.32656 | 25.32344 | 48.15968 | 14.68618 | 24.66382 | 40.89782 | 7.42432 | 22.38568 | 44.54868 | 11.07518 | 55.13482 |
| 6/10/2025 | 3:00:00 AM | 33.48353 | 59.78717 | 26.30364 | 21.42636 | 46.82354 | 13.34001 | 25.30999 | 48.17037 | 14.68684 | 24.66316 | 40.89782 | 7.41429 | 22.39571 | 44.55225 | 11.06872 | 55.14128 |
| 6/10/2025 | 4:00:00 AM | 33.48353 | 59.79075 | 26.30722 | 21.42278 | 46.84702 | 13.36349 | 25.28651 | 48.17037 | 14.68684 | 24.66316 | 40.89424 | 7.41071 | 22.39929 | 44.55583 | 11.0723 | 55.1377 |
| 6/10/2025 | 5:00:00 AM | 33.49356 | 59.80146 | 26.3079 | 21.4221 | 46.86714 | 13.37358 | 25.27642 | 48.18107 | 14.68751 | 24.66249 | 40.90497 | 7.41141 | 22.39859 | 44.5594 | 11.06584 | 55.14416 |
| 6/10/2025 | 6:00:00 AM | 33.50694 | 59.81217 | 26.30523 | 21.42477 | 46.88726 | 13.38032 | 25.26968 | 48.1882 | 14.68126 | 24.66874 | 40.91213 | 7.40519 | 22.40481 | 44.56655 | 11.05961 | 55.15039 |
| 6/10/2025 | 7:00:00 AM | 33.527 | 59.81574 | 26.28874 | 21.44126 | 46.90739 | 13.38039 | 25.26961 | 48.1989 | 14.6719 | 24.6781 | 40.91571 | 7.38871 | 22.42129 | 44.56655 | 11.03955 | 55.17045 |
| 6/10/2025 | 8:00:00 AM | 33.53704 | 59.81931 | 26.28227 | 21.44773 | 46.92416 | 13.38712 | 25.26288 | 48.20246 | 14.66542 | 24.68458 | 40.91213 | 7.37509 | 22.43491 | 44.56298 | 11.02594 | 55.18406 |
| 6/10/2025 | 9:00:00 AM | 33.53704 | 59.81931 | 26.28227 | 21.44773 | 46.92751 | 13.39047 | 25.25953 | 48.20603 | 14.66899 | 24.68101 | 40.91213 | 7.37509 | 22.43491 | 44.55225 | 11.01521 | 55.19479 |
| 6/10/2025 | 10:00:00 AM | 33.55041 | 59.8086 | 26.25819 | 21.47181 | 46.92416 | 13.37375 | 25.27625 | 48.20959 | 14.65918 | 24.69082 | 40.90497 | 7.35456 | 22.45544 | 44.54868 | 10.99827 | 55.21173 |
| 6/10/2025 | 11:00:00 AM | 33.56044 | 59.80503 | 26.24459 | 21.48541 | 46.9208 | 13.36036 | 25.28964 | 48.19533 | 14.63489 | 24.71511 | 40.89782 | 7.33738 | 22.47262 | 44.53081 | 10.97037 | 55.23963 |
| 6/10/2025 | 12:00:00 PM | 33.56044 | 59.79789 | 26.23745 | 21.49255 | 46.90739 | 13.34695 | 25.30305 | 48.18463 | 14.62419 | 24.72581 | 40.89782 | 7.33738 | 22.47262 | 44.52366 | 10.96322 | 55.24678 |
| 6/10/2025 | 1:00:00 PM | 33.5571 | 59.78717 | 26.23007 | 21.49993 | 46.88056 | 13.32346 | 25.32654 | 48.17394 | 14.61684 | 24.73316 | 40.89424 | 7.33714 | 22.47286 | 44.52366 | 10.96656 | 55.24344 |
| 6/10/2025 | 2:00:00 PM | 33.57382 | 59.77289 | 26.19907 | 21.53093 | 46.85708 | 13.28326 | 25.36674 | 48.15968 | 14.58586 | 24.76414 | 40.89066 | 7.31684 | 22.49316 | 44.51651 | 10.94269 | 55.26731 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/10/2025 | 3:00:00 PM | 33.60057 | 59.76218 | 26.16161 | 21.56839 | 46.82689 | 13.22632 | 25.42368 | 48.14542 | 14.54485 | 24.80515 | 40.87993 | 7.27936 | 22.53064 | 44.50579 | 10.90522 | 55.30478 |
| 6/10/2025 | 4:00:00 PM | 33.56379 | 59.7479 | 26.18411 | 21.54589 | 46.79671 | 13.23292 | 25.41708 | 48.13472 | 14.57093 | 24.77907 | 40.87277 | 7.30898 | 22.50102 | 44.50222 | 10.93843 | 55.27157 |
| 6/10/2025 | 5:00:00 PM | 33.54707 | 59.73718 | 26.19011 | 21.53989 | 46.76317 | 13.2161 | 25.4339 | 48.12759 | 14.58052 | 24.76948 | 40.86919 | 7.32212 | 22.48788 | 44.49865 | 10.95158 | 55.25842 |
| 6/10/2025 | 6:00:00 PM | 33.52366 | 59.73004 | 26.20638 | 21.52362 | 46.72963 | 13.20597 | 25.44403 | 48.11333 | 14.58967 | 24.76033 | 40.86562 | 7.34196 | 22.46804 | 44.49865 | 10.97499 | 55.23501 |
| 6/10/2025 | 7:00:00 PM | 33.5036 | 59.7229 | 26.2193 | 21.5107 | 46.7028 | 13.1992 | 25.4508 | 48.09907 | 14.59547 | 24.75453 | 40.85846 | 7.35486 | 22.45514 | 44.4915 | 10.9879 | 55.2221 |
| 6/10/2025 | 8:00:00 PM | 33.48688 | 59.71576 | 26.22888 | 21.50112 | 46.68603 | 13.19915 | 25.45085 | 48.0955 | 14.60862 | 24.74138 | 40.86204 | 7.37516 | 22.43484 | 44.4915 | 11.00462 | 55.20538 |
| 6/10/2025 | 9:00:00 PM | 33.47016 | 59.7229 | 26.25274 | 21.47726 | 46.67597 | 13.20581 | 25.44419 | 48.09194 | 14.62178 | 24.72822 | 40.85846 | 7.3883 | 22.4217 | 44.50579 | 11.03563 | 55.17437 |
| 6/10/2025 | 10:00:00 PM | 33.46681 | 59.74075 | 26.27394 | 21.45606 | 46.68268 | 13.21587 | 25.43413 | 48.10976 | 14.64295 | 24.70705 | 40.86919 | 7.40238 | 22.40762 | 44.52724 | 11.06043 | 55.14957 |
| 6/10/2025 | 11:00:00 PM | 33.46681 | 59.74075 | 26.27394 | 21.45606 | 46.69609 | 13.22928 | 25.42072 | 48.10976 | 14.64295 | 24.70705 | 40.86204 | 7.39523 | 22.41477 | 44.52724 | 11.06043 | 55.14957 |
| 6/11/2025 | 12:00:00 AM | 33.47016 | 59.75504 | 26.28488 | 21.44512 | 46.72628 | 13.25612 | 25.39388 | 48.12046 | 14.6503 | 24.6997 | 40.86562 | 7.39546 | 22.41454 | 44.52724 | 11.05708 | 55.15292 |
| 6/11/2025 | 1:00:00 AM | 33.47016 | 59.76218 | 26.29202 | 21.43798 | 46.74305 | 13.27289 | 25.37711 | 48.12046 | 14.6503 | 24.6997 | 40.86562 | 7.39546 | 22.41454 | 44.53438 | 11.06422 | 55.14578 |
| 6/11/2025 | 2:00:00 AM | 33.47684 | 59.76218 | 26.28534 | 21.44466 | 46.76317 | 13.28633 | 25.36367 | 48.12759 | 14.65075 | 24.69925 | 40.86919 | 7.39235 | 22.41765 | 44.52724 | 11.0504 | 55.1596 |
| 6/11/2025 | 3:00:00 AM | 33.48688 | 59.76575 | 26.27887 | 21.45113 | 46.79 | 13.30312 | 25.34688 | 48.14185 | 14.65497 | 24.69503 | 40.86919 | 7.38231 | 22.42769 | 44.53438 | 11.0475 | 55.1625 |
| 6/11/2025 | 4:00:00 AM | 33.50025 | 59.7836 | 26.28335 | 21.44665 | 46.82019 | 13.31994 | 25.33006 | 48.14185 | 14.6416 | 24.7084 | 40.87635 | 7.3761 | 22.4339 | 44.54153 | 11.04128 | 55.16872 |
| 6/11/2025 | 5:00:00 AM | 33.51028 | 59.78003 | 26.26975 | 21.46025 | 46.8336 | 13.32332 | 25.32668 | 48.14898 | 14.6387 | 24.7113 | 40.88351 | 7.37323 | 22.43677 | 44.54868 | 11.0384 | 55.1716 |
| 6/11/2025 | 6:00:00 AM | 33.51697 | 59.79075 | 26.27378 | 21.45622 | 46.86379 | 13.34682 | 25.30318 | 48.16324 | 14.64627 | 24.70373 | 40.89424 | 7.37727 | 22.43273 | 44.53796 | 11.02099 | 55.18901 |
| 6/11/2025 | 7:00:00 AM | 33.54372 | 59.8086 | 26.26488 | 21.46512 | 46.88726 | 13.34354 | 25.30646 | 48.18107 | 14.63735 | 24.71265 | 40.89782 | 7.3541 | 22.4559 | 44.5594 | 11.01568 | 55.19432 |
| 6/11/2025 | 8:00:00 AM | 33.56713 | 59.81931 | 26.25218 | 21.47782 | 46.91074 | 13.34361 | 25.30639 | 48.19177 | 14.62464 | 24.72536 | 40.90497 | 7.33784 | 22.47216 | 44.56298 | 10.99585 | 55.21415 |
| 6/11/2025 | 9:00:00 AM | 33.57716 | 59.81574 | 26.23858 | 21.49142 | 46.91409 | 13.33693 | 25.31307 | 48.19177 | 14.61461 | 24.73539 | 40.89424 | 7.31708 | 22.49292 | 44.55225 | 10.97509 | 55.23491 |
| 6/11/2025 | 10:00:00 AM | 33.58385 | 59.82288 | 26.23903 | 21.49097 | 46.93086 | 13.34701 | 25.30299 | 48.19177 | 14.60792 | 24.74208 | 40.90139 | 7.31754 | 22.49246 | 44.54511 | 10.96126 | 55.24874 |
| 6/11/2025 | 11:00:00 AM | 33.59388 | 59.8086 | 26.21472 | 21.51528 | 46.92751 | 13.33363 | 25.31637 | 48.19177 | 14.59789 | 24.75211 | 40.89782 | 7.30394 | 22.50606 | 44.53081 | 10.93693 | 55.27307 |
| 6/11/2025 | 12:00:00 PM | 33.59388 | 59.80503 | 26.21115 | 21.51885 | 46.92416 | 13.33028 | 25.31972 | 48.18107 | 14.58719 | 24.76281 | 40.90139 | 7.30751 | 22.50249 | 44.53081 | 10.93693 | 55.27307 |
| 6/11/2025 | 1:00:00 PM | 33.59723 | 59.8086 | 26.21137 | 21.51863 | 46.9208 | 13.32357 | 25.32643 | 48.18463 | 14.5874 | 24.7626 | 40.90497 | 7.30774 | 22.50226 | 44.53081 | 10.93358 | 55.27642 |
| 6/11/2025 | 2:00:00 PM | 33.6106 | 59.79789 | 26.18729 | 21.54271 | 46.90068 | 13.29008 | 25.35992 | 48.1775 | 14.5669 | 24.7831 | 40.89424 | 7.28364 | 22.52636 | 44.52724 | 10.91664 | 55.29336 |
| 6/11/2025 | 3:00:00 PM | 33.63736 | 59.78717 | 26.14981 | 21.58019 | 46.88391 | 13.24655 | 25.40345 | 48.17394 | 14.53658 | 24.81342 | 40.90139 | 7.26403 | 22.54597 | 44.52366 | 10.8863 | 55.3237 |
| 6/11/2025 | 4:00:00 PM | 33.60726 | 59.79075 | 26.18349 | 21.54651 | 46.87049 | 13.26323 | 25.38677 | 48.1775 | 14.57024 | 24.77976 | 40.90497 | 7.29771 | 22.51229 | 44.53438 | 10.92712 | 55.28288 |
| 6/11/2025 | 5:00:00 PM | 33.59723 | 59.79075 | 26.19352 | 21.53648 | 46.84702 | 13.24979 | 25.40021 | 48.18107 | 14.58384 | 24.76616 | 40.90497 | 7.30774 | 22.50226 | 44.53081 | 10.93358 | 55.27642 |
| 6/11/2025 | 6:00:00 PM | 33.55376 | 59.78003 | 26.22627 | 21.50373 | 46.82689 | 13.27313 | 25.37687 | 48.16681 | 14.61305 | 24.73695 | 40.89066 | 7.3369 | 22.4731 | 44.52724 | 10.97348 | 55.23652 |
| 6/11/2025 | 7:00:00 PM | 33.54707 | 59.7836 | 26.23653 | 21.49347 | 46.80342 | 13.25635 | 25.39365 | 48.17037 | 14.6233 | 24.7267 | 40.89782 | 7.35075 | 22.45925 | 44.53438 | 10.98731 | 55.22269 |
| 6/11/2025 | 8:00:00 PM | 33.54372 | 59.79432 | 26.2506 | 21.4794 | 46.79335 | 13.24963 | 25.40037 | 48.16681 | 14.62309 | 24.72691 | 40.90497 | 7.36125 | 22.44875 | 44.54153 | 10.99781 | 55.21219 |
| 6/11/2025 | 9:00:00 PM | 33.55376 | 59.79789 | 26.24413 | 21.48587 | 46.79335 | 13.23959 | 25.41041 | 48.1775 | 14.62374 | 24.72626 | 40.90139 | 7.34763 | 22.46237 | 44.53796 | 10.9842 | 55.2258 |
| 6/11/2025 | 10:00:00 PM | 33.54707 | 59.8086 | 26.26153 | 21.46847 | 46.80677 | 13.2597 | 25.3903 | 48.1882 | 14.64113 | 24.70887 | 40.91571 | 7.36864 | 22.44136 | 44.5594 | 11.01233 | 55.19767 |
| 6/11/2025 | 11:00:00 PM | 33.5571 | 59.81217 | 26.25507 | 21.47493 | 46.81683 | 13.25973 | 25.39027 | 48.18463 | 14.62753 | 24.72247 | 40.91928 | 7.36218 | 22.44782 | 44.5594 | 11.0023 | 55.2077 |
| 6/12/2025 | 12:00:00 AM | 33.56044 | 59.82288 | 26.26244 | 21.46756 | 46.83695 | 13.27651 | 25.37349 | 48.19177 | 14.63133 | 24.71867 | 40.91571 | 7.35527 | 22.45473 | 44.56298 | 11.00254 | 55.20746 |
| 6/12/2025 | 1:00:00 AM | 33.57716 | 59.83717 | 26.26001 | 21.46999 | 46.87385 | 13.29669 | 25.35331 | 48.21316 | 14.636 | 24.714 | 40.93359 | 7.35643 | 22.45357 | 44.57727 | 11.00011 | 55.20989 |
| 6/12/2025 | 2:00:00 AM | 33.59723 | 59.85145 | 26.25422 | 21.47578 | 46.89732 | 13.30009 | 25.34991 | 48.22385 | 14.62662 | 24.72338 | 40.94075 | 7.34352 | 22.46648 | 44.58084 | 10.98361 | 55.22639 |
| 6/12/2025 | 3:00:00 AM | 33.60726 | 59.85145 | 26.24419 | 21.48581 | 46.91745 | 13.31019 | 25.33981 | 48.23098 | 14.62372 | 24.72628 | 40.94433 | 7.33707 | 22.47293 | 44.5737 | 10.96644 | 55.24356 |
| 6/12/2025 | 4:00:00 AM | 33.61729 | 59.86216 | 26.24487 | 21.48513 | 46.93757 | 13.32028 | 25.32972 | 48.23455 | 14.61726 | 24.73274 | 40.94791 | 7.33062 | 22.47938 | 44.58084 | 10.96355 | 55.24645 |
| 6/12/2025 | 5:00:00 AM | 33.63067 | 59.88359 | 26.25292 | 21.47708 | 46.96105 | 13.33038 | 25.31962 | 48.24524 | 14.61457 | 24.73543 | 40.95506 | 7.32439 | 22.48561 | 44.58442 | 10.95375 | 55.25625 |
| 6/12/2025 | 6:00:00 AM | 33.64404 | 59.87645 | 26.23241 | 21.49759 | 46.98117 | 13.33713 | 25.31287 | 48.25951 | 14.61547 | 24.73453 | 40.95864 | 7.3146 | 22.4954 | 44.58799 | 10.94395 | 55.26605 |
| 6/12/2025 | 7:00:00 AM | 33.65742 | 59.88359 | 26.22617 | 21.50383 | 46.99794 | 13.34052 | 25.30948 | 48.25951 | 14.60209 | 24.74791 | 40.96222 | 7.3048 | 22.5052 | 44.58799 | 10.93057 | 55.27943 |
| 6/12/2025 | 8:00:00 AM | 33.66076 | 59.88359 | 26.22283 | 21.50717 | 47.008 | 13.34724 | 25.30276 | 48.25951 | 14.59875 | 24.75125 | 40.95506 | 7.2943 | 22.5157 | 44.58442 | 10.92366 | 55.28634 |
| 6/12/2025 | 9:00:00 AM | 33.67414 | 59.89073 | 26.21659 | 21.51341 | 47.01806 | 13.34392 | 25.30608 | 48.27377 | 14.59963 | 24.75037 | 40.98011 | 7.30597 | 22.50403 | 44.59514 | 10.921 | 55.289 |
| 6/12/2025 | 10:00:00 AM | 33.67748 | 59.89073 | 26.21325 | 21.51675 | 47.02142 | 13.34394 | 25.30606 | 48.2702 | 14.59272 | 24.75728 | 40.96937 | 7.29189 | 22.51811 | 44.58442 | 10.90694 | 55.30306 |
| 6/12/2025 | 11:00:00 AM | 33.68752 | 59.89787 | 26.21035 | 21.51965 | 47.03819 | 13.35067 | 25.29933 | 48.28446 | 14.59694 | 24.75306 | 40.97653 | 7.28901 | 22.52099 | 44.59514 | 10.90762 | 55.30238 |
| 6/12/2025 | 12:00:00 PM | 33.69086 | 59.90144 | 26.21058 | 21.51942 | 47.03819 | 13.34733 | 25.30267 | 48.26664 | 14.57578 | 24.77422 | 40.97295 | 7.28209 | 22.52791 | 44.58799 | 10.89713 | 55.31287 |
| 6/12/2025 | 1:00:00 PM | 33.68752 | 59.90144 | 26.21392 | 21.51608 | 47.03148 | 13.34396 | 25.30604 | 48.2809 | 14.59338 | 24.75662 | 40.98011 | 7.29259 | 22.51741 | 44.58084 | 10.89332 | 55.31668 |
| 6/12/2025 | 2:00:00 PM | 33.69755 | 59.88002 | 26.18247 | 21.54753 | 47.01471 | 13.31716 | 25.33284 | 48.26307 | 14.56552 | 24.78448 | 40.96937 | 7.27182 | 22.53818 | 44.56655 | 10.869 | 55.341 |
| 6/12/2025 | 3:00:00 PM | 33.71427 | 59.88002 | 26.16575 | 21.56425 | 47.00465 | 13.29038 | 25.35962 | 48.25951 | 14.54524 | 24.80476 | 40.97653 | 7.26226 | 22.54774 | 44.5594 | 10.84513 | 55.36487 |
| 6/12/2025 | 4:00:00 PM | 33.68752 | 59.8693 | 26.18178 | 21.54822 | 46.98117 | 13.29365 | 25.35635 | 48.24168 | 14.55416 | 24.79584 | 40.96937 | 7.28185 | 22.52815 | 44.55583 | 10.86831 | 55.34169 |
| 6/12/2025 | 5:00:00 PM | 33.68417 | 59.85859 | 26.17442 | 21.55558 | 46.95434 | 13.27017 | 25.37983 | 48.23455 | 14.55038 | 24.79962 | 40.96222 | 7.27805 | 22.53195 | 44.54868 | 10.86451 | 55.34549 |
| 6/12/2025 | 6:00:00 PM | 33.65408 | 59.84074 | 26.18666 | 21.54334 | 46.92416 | 13.27008 | 25.37992 | 48.22029 | 14.56621 | 24.78379 | 40.95148 | 7.2974 | 22.5126 | 44.53796 | 10.88388 | 55.32612 |
| 6/12/2025 | 7:00:00 PM | 33.63401 | 59.83717 | 26.20316 | 21.52684 | 46.89062 | 13.25661 | 25.39339 | 48.21316 | 14.57915 | 24.77085 | 40.95148 | 7.31747 | 22.49253 | 44.54868 | 10.91467 | 55.29533 |
| 6/12/2025 | 8:00:00 PM | 33.62398 | 59.83717 | 26.21319 | 21.51681 | 46.88056 | 13.25658 | 25.39342 | 48.20959 | 14.58561 | 24.76439 | 40.95864 | 7.33466 | 22.47534 | 44.55225 | 10.92827 | 55.28173 |
| 6/12/2025 | 9:00:00 PM | 33.6106 | 59.84074 | 26.23014 | 21.49986 | 46.8772 | 13.2666 | 25.3834 | 48.20959 | 14.59899 | 24.75101 | 40.95864 | 7.34804 | 22.46196 | 44.5737 | 10.9631 | 55.2469 |
| 6/12/2025 | 10:00:00 PM | 33.61729 | 59.85502 | 26.23773 | 21.49227 | 46.8772 | 13.25991 | 25.39009 | 48.22385 | 14.60656 | 24.74344 | 40.96579 | 7.3485 | 22.4615 | 44.58084 | 10.96355 | 55.24645 |
| 6/12/2025 | 11:00:00 PM | 33.62064 | 59.85859 | 26.23795 | 21.49205 | 46.88726 | 13.26662 | 25.38338 | 48.22742 | 14.60678 | 24.74322 | 40.96579 | 7.34515 | 22.46485 | 44.58799 | 10.96735 | 55.24265 |
| 6/13/2025 | 12:00:00 AM | 33.60726 | 59.84788 | 26.24062 | 21.48938 | 46.89062 | 13.28336 | 25.36664 | 48.21316 | 14.6059 | 24.7441 | 40.95506 | 7.3478 | 22.4622 | 44.57727 | 10.97001 | 55.23999 |
| 6/13/2025 | 1:00:00 AM | 33.60392 | 59.84074 | 26.23682 | 21.49318 | 46.8772 | 13.27328 | 25.37672 | 48.1989 | 14.59498 | 24.75502 | 40.94433 | 7.34041 | 22.46959 | 44.57012 | 10.9662 | 55.2438 |
| 6/13/2025 | 2:00:00 AM | 33.6106 | 59.86216 | 26.25156 | 21.47844 | 46.91074 | 13.30014 | 25.34986 | 48.21672 | 14.60612 | 24.74388 | 40.96579 | 7.35519 | 22.45481 | 44.58084 | 10.97024 | 55.23976 |
| 6/13/2025 | 3:00:00 AM | 33.62732 | 59.88002 | 26.2527 | 21.4773 | 46.93757 | 13.31025 | 25.33975 | 48.22742 | 14.6001 | 24.7499 | 40.97295 | 7.34563 | 22.46437 | 44.60229 | 10.97497 | 55.23503 |
| 6/13/2025 | 4:00:00 AM | 33.62732 | 59.87645 | 26.24913 | 21.48087 | 46.95434 | 13.32702 | 25.32298 | 48.23811 | 14.61079 | 24.73921 | 40.95864 | 7.33132 | 22.47868 | 44.59157 | 10.96425 | 55.24575 |
| 6/13/2025 | 5:00:00 AM | 33.61729 | 59.87288 | 26.25559 | 21.47441 | 46.9644 | 13.34711 | 25.30289 | 48.23455 | 14.61726 | 24.73274 | 40.96579 | 7.3485 | 22.4615 | 44.59514 | 10.97785 | 55.23215 |
| 6/13/2025 | 6:00:00 AM | 33.63401 | 59.88359 | 26.24958 | 21.48042 | 46.98117 | 13.34716 | 25.30284 | 48.24168 | 14.60767 | 24.74233 | 40.96579 | 7.33178 | 22.47822 | 44.59871 | 10.9647 | 55.2453 |
| 6/13/2025 | 7:00:00 AM | 33.64739 | 59.89073 | 26.24334 | 21.48666 | 46.99794 | 13.35055 | 25.29945 | 48.25237 | 14.60498 | 24.74502 | 40.96937 | 7.32198 | 22.48802 | 44.60586 | 10.95847 | 55.25153 |
| 6/13/2025 | 8:00:00 AM | 33.66411 | 59.90144 | 26.23733 | 21.49267 | 47.02477 | 13.36066 | 25.28934 | 48.27377 | 14.60966 | 24.74034 | 40.98368 | 7.31957 | 22.49043 | 44.61658 | 10.95247 | 55.25753 |
| 6/13/2025 | 9:00:00 AM | 33.67414 | 59.90501 | 26.23087 | 21.49913 | 47.03483 | 13.36069 | 25.28931 | 48.27377 | 14.59963 | 24.75037 | 40.98368 | 7.30954 | 22.50046 | 44.61658 | 10.94244 | 55.26756 |
| 6/13/2025 | 10:00:00 AM | 33.68083 | 59.90858 | 26.22775 | 21.50225 | 47.03819 | 13.35736 | 25.29264 | 48.27733 | 14.5965 | 24.7535 | 40.97653 | 7.2957 | 22.5143 | 44.61301 | 10.93218 | 55.27782 |
| 6/13/2025 | 11:00:00 AM | 33.68752 | 59.90501 | 26.21749 | 21.51251 | 47.0449 | 13.35738 | 25.29262 | 48.27733 | 14.58981 | 24.76019 | 40.97653 | 7.28901 | 22.52099 | 44.60586 | 10.91834 | 55.29166 |
| 6/13/2025 | 12:00:00 PM | 33.68752 | 59.90144 | 26.21392 | 21.51608 | 47.0449 | 13.35738 | 25.29262 | 48.27377 | 14.58625 | 24.76375 | 40.98368 | 7.29616 | 22.51384 | 44.60229 | 10.91477 | 55.29523 |
| 6/13/2025 | 1:00:00 PM | 33.69755 | 59.9193 | 26.22175 | 21.50825 | 47.0516 | 13.35405 | 25.29595 | 48.2809 | 14.58335 | 24.76665 | 40.99442 | 7.29687 | 22.51313 | 44.60944 | 10.91189 | 55.29811 |
| 6/13/2025 | 2:00:00 PM | 33.70424 | 59.92287 | 26.21863 | 21.51137 | 47.06837 | 13.36413 | 25.28587 | 48.29159 | 14.58735 | 24.76265 | 40.99084 | 7.2866 | 22.5234 | 44.61658 | 10.91234 | 55.29766 |
| 6/13/2025 | 3:00:00 PM | 33.71092 | 59.92644 | 26.21552 | 21.51448 | 47.07173 | 13.36081 | 25.28919 | 48.29516 | 14.58424 | 24.76576 | 40.998 | 7.28708 | 22.52292 | 44.61658 | 10.90566 | 55.30434 |
| 6/13/2025 | 4:00:00 PM | 33.70758 | 59.92287 | 26.21529 | 21.51471 | 47.06502 | 13.35744 | 25.29256 | 48.27733 | 14.56975 | 24.78025 | 40.99084 | 7.28326 | 22.52674 | 44.60944 | 10.90186 | 55.30814 |
| 6/13/2025 | 5:00:00 PM | 33.71427 | 59.90501 | 26.19074 | 21.53926 | 47.04825 | 13.33398 | 25.31602 | 48.2702 | 14.55593 | 24.79407 | 40.98011 | 7.26584 | 22.54416 | 44.58799 | 10.87372 | 55.33628 |
| 6/13/2025 | 6:00:00 PM | 33.70089 | 59.91216 | 26.21127 | 21.51873 | 47.04825 | 13.34736 | 25.30264 | 48.27377 | 14.57288 | 24.77712 | 40.99084 | 7.28995 | 22.52005 | 44.60944 | 10.90855 | 55.30145 |
| 6/13/2025 | 7:00:00 PM | 33.6942 | 59.91216 | 26.21796 | 21.51204 | 47.04154 | 13.34734 | 25.30266 | 48.27733 | 14.58313 | 24.76687 | 40.998 | 7.3038 | 22.5062 | 44.60944 | 10.91524 | 55.29476 |
| 6/13/2025 | 8:00:00 PM | 33.69755 | 59.91216 | 26.21461 | 21.51539 | 47.0516 | 13.35405 | 25.29595 | 48.2809 | 14.58335 | 24.76665 | 40.998 | 7.30045 | 22.50955 | 44.62016 | 10.92261 | 55.28739 |
| 6/13/2025 | 9:00:00 PM | 33.6942 | 59.92644 | 26.23224 | 21.49776 | 47.0516 | 13.3574 | 25.2926 | 48.28803 | 14.59383 | 24.75617 | 41.00157 | 7.30737 | 22.50263 | 44.61658 | 10.92238 | 55.28762 |
| 6/13/2025 | 10:00:00 PM | 33.69755 | 59.94072 | 26.24317 | 21.48683 | 47.06837 | 13.37082 | 25.27918 | 48.30229 | 14.60474 | 24.74526 | 41.00873 | 7.31118 | 22.49882 | 44.63088 | 10.93333 | 55.27667 |
| 6/13/2025 | 11:00:00 PM | 33.69755 | 59.94072 | 26.24317 | 21.48683 | 47.07508 | 13.37753 | 25.27247 | 48.30585 | 14.6083 | 24.7417 | 41.00515 | 7.3076 | 22.5024 | 44.63445 | 10.9369 | 55.2731 |
| 6/14/2025 | 12:00:00 AM | 33.70424 | 59.95143 | 26.24719 | 21.48281 | 47.0885 | 13.38426 | 25.26574 | 48.31298 | 14.60874 | 24.74126 | 41.01588 | 7.31164 | 22.49836 | 44.64518 | 10.94094 | 55.26906 |
| 6/14/2025 | 1:00:00 AM | 33.71427 | 59.95143 | 26.23716 | 21.49284 | 47.09856 | 13.38429 | 25.26571 | 48.31655 | 14.60228 | 24.74772 | 41.01946 | 7.30519 | 22.50481 | 44.64518 | 10.93091 | 55.27909 |
| 6/14/2025 | 2:00:00 AM | 33.72096 | 59.95501 | 26.23405 | 21.49595 | 47.10527 | 13.38431 | 25.26569 | 48.32011 | 14.59915 | 24.75085 | 41.01588 | 7.29492 | 22.51508 | 44.63803 | 10.91707 | 55.29293 |
| 6/14/2025 | 3:00:00 AM | 33.7243 | 59.96572 | 26.24142 | 21.48858 | 47.12203 | 13.39773 | 25.25227 | 48.32368 | 14.59938 | 24.75062 | 41.02304 | 7.29874 | 22.51126 | 44.64518 | 10.92088 | 55.28912 |
| 6/14/2025 | 4:00:00 AM | 33.73433 | 59.96572 | 26.23139 | 21.49861 | 47.14216 | 13.40783 | 25.24217 | 48.33438 | 14.60005 | 24.74995 | 41.03377 | 7.29944 | 22.51056 | 44.64875 | 10.91442 | 55.29558 |
| 6/14/2025 | 5:00:00 AM | 33.73768 | 59.98357 | 26.24589 | 21.48411 | 47.15222 | 13.41454 | 25.23546 | 48.34507 | 14.60739 | 24.74261 | 41.03735 | 7.29967 | 22.51033 | 44.6559 | 10.91822 | 55.29178 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/14/2025 | 6:00:00 AM | 33.74436 | 59.98 | 26.23564 | 21.49436 | 47.16228 | 13.41792 | 25.23208 | 48.3522 | 14.60784 | 24.74216 | 41.04451 | 7.30015 | 22.50985 | 44.66662 | 10.92226 | 55.28774 |
| 6/14/2025 | 7:00:00 AM | 33.7544 | 59.98 | 26.2256 | 21.5044 | 47.16899 | 13.41459 | 25.23541 | 48.34864 | 14.59424 | 24.75576 | 41.04093 | 7.28653 | 22.52347 | 44.65947 | 10.90507 | 55.30493 |
| 6/14/2025 | 8:00:00 AM | 33.77112 | 59.99429 | 26.22317 | 21.50683 | 47.1824 | 13.41128 | 25.23872 | 48.36646 | 14.59534 | 24.75466 | 41.05166 | 7.28054 | 22.52946 | 44.66304 | 10.89192 | 55.31808 |
| 6/14/2025 | 9:00:00 AM | 33.7778 | 60.01214 | 26.23434 | 21.49566 | 47.18911 | 13.41131 | 25.23869 | 48.37359 | 14.59579 | 24.75421 | 41.0624 | 7.2846 | 22.5254 | 44.66662 | 10.88882 | 55.32118 |
| 6/14/2025 | 10:00:00 AM | 33.79118 | 60.00143 | 26.21025 | 21.51975 | 47.19582 | 13.40464 | 25.24536 | 48.37716 | 14.58598 | 24.76402 | 41.05524 | 7.26406 | 22.54594 | 44.66304 | 10.87186 | 55.33814 |
| 6/14/2025 | 11:00:00 AM | 33.80456 | 60.00143 | 26.19687 | 21.53313 | 47.20588 | 13.40132 | 25.24868 | 48.38785 | 14.58329 | 24.76671 | 41.06597 | 7.26141 | 22.54859 | 44.67019 | 10.86563 | 55.34437 |
| 6/14/2025 | 12:00:00 PM | 33.80456 | 59.99786 | 26.1933 | 21.5367 | 47.19917 | 13.39461 | 25.25539 | 48.38429 | 14.57973 | 24.77027 | 41.0624 | 7.25784 | 22.55216 | 44.66304 | 10.85848 | 55.35152 |
| 6/14/2025 | 1:00:00 PM | 33.81124 | 59.99786 | 26.18662 | 21.54338 | 47.17905 | 13.36781 | 25.28219 | 48.3629 | 14.55166 | 24.79834 | 41.0624 | 7.25116 | 22.55884 | 44.65232 | 10.84108 | 55.36892 |
| 6/14/2025 | 2:00:00 PM | 33.77112 | 59.98714 | 26.21602 | 21.51398 | 47.16564 | 13.39452 | 25.25548 | 48.37359 | 14.60247 | 24.74753 | 41.05524 | 7.28412 | 22.52588 | 44.64875 | 10.87763 | 55.33237 |
| 6/14/2025 | 3:00:00 PM | 33.77446 | 59.98714 | 26.21268 | 21.51732 | 47.14216 | 13.3677 | 25.2823 | 48.35577 | 14.58131 | 24.76869 | 41.05524 | 7.28078 | 22.52922 | 44.6559 | 10.88144 | 55.32856 |
| 6/14/2025 | 4:00:00 PM | 33.76108 | 59.98357 | 26.22249 | 21.50751 | 47.12874 | 13.36766 | 25.28234 | 48.35933 | 14.59825 | 24.75175 | 41.05882 | 7.29774 | 22.51226 | 44.65232 | 10.89124 | 55.31876 |
| 6/14/2025 | 5:00:00 PM | 33.75774 | 59.97286 | 26.21512 | 21.51488 | 47.09856 | 13.34082 | 25.30918 | 48.3522 | 14.59446 | 24.75554 | 41.0624 | 7.30466 | 22.50534 | 44.65232 | 10.89458 | 55.31542 |
| 6/14/2025 | 6:00:00 PM | 33.75105 | 59.97286 | 26.22181 | 21.50819 | 47.08514 | 13.33409 | 25.31591 | 48.34507 | 14.59402 | 24.75598 | 41.05882 | 7.30777 | 22.50223 | 44.6559 | 10.90485 | 55.30515 |
| 6/14/2025 | 7:00:00 PM | 33.76108 | 59.98357 | 26.22249 | 21.50751 | 47.08514 | 13.32406 | 25.32594 | 48.3522 | 14.59112 | 24.75888 | 41.06955 | 7.30847 | 22.50153 | 44.67019 | 10.90911 | 55.30089 |
| 6/14/2025 | 8:00:00 PM | 33.76443 | 60.00143 | 26.237 | 21.493 | 47.0885 | 13.32407 | 25.32593 | 48.35933 | 14.5949 | 24.7551 | 41.07671 | 7.31228 | 22.49772 | 44.68091 | 10.91648 | 55.29352 |
| 6/14/2025 | 9:00:00 PM | 33.76108 | 59.99429 | 26.23321 | 21.49679 | 47.07173 | 13.31065 | 25.33935 | 48.34864 | 14.58756 | 24.76244 | 41.07313 | 7.31205 | 22.49795 | 44.67377 | 10.91269 | 55.29731 |
| 6/14/2025 | 10:00:00 PM | 33.76777 | 60.005 | 26.23723 | 21.49277 | 47.08514 | 13.31737 | 25.33263 | 48.37003 | 14.60226 | 24.74774 | 41.08744 | 7.31967 | 22.49033 | 44.69164 | 10.92387 | 55.28613 |
| 6/14/2025 | 11:00:00 PM | 33.77112 | 60.00857 | 26.23745 | 21.49255 | 47.09185 | 13.32073 | 25.32927 | 48.36646 | 14.59534 | 24.75466 | 41.08028 | 7.30916 | 22.50084 | 44.68806 | 10.91694 | 55.29306 |
| 6/15/2025 | 12:00:00 AM | 33.77446 | 60.01214 | 26.23768 | 21.49232 | 47.0952 | 13.32074 | 25.32926 | 48.36646 | 14.592 | 24.758 | 41.08386 | 7.3094 | 22.5006 | 44.69164 | 10.91718 | 55.29282 |
| 6/15/2025 | 1:00:00 AM | 33.77446 | 60.00857 | 26.23411 | 21.49589 | 47.09856 | 13.3241 | 25.3259 | 48.36646 | 14.592 | 24.758 | 41.08386 | 7.3094 | 22.5006 | 44.68806 | 10.9136 | 55.2964 |
| 6/15/2025 | 2:00:00 AM | 33.78449 | 60.01571 | 26.23122 | 21.49878 | 47.11533 | 13.33084 | 25.31916 | 48.37359 | 14.5891 | 24.7609 | 41.08744 | 7.30295 | 22.50705 | 44.69521 | 10.91072 | 55.29928 |
| 6/15/2025 | 3:00:00 AM | 33.78449 | 60.01928 | 26.23479 | 21.49521 | 47.12874 | 13.34425 | 25.30575 | 48.37716 | 14.59267 | 24.75733 | 41.08744 | 7.30295 | 22.50705 | 44.69521 | 10.91072 | 55.29928 |
| 6/15/2025 | 4:00:00 AM | 33.79118 | 60.02642 | 26.23524 | 21.49476 | 47.1388 | 13.34762 | 25.30238 | 48.37716 | 14.58598 | 24.76402 | 41.0946 | 7.30342 | 22.50658 | 44.69878 | 10.9076 | 55.3024 |
| 6/15/2025 | 5:00:00 AM | 33.8079 | 60.02642 | 26.21852 | 21.51148 | 47.16564 | 13.35774 | 25.29226 | 48.39142 | 14.58352 | 24.76648 | 41.09817 | 7.29027 | 22.51973 | 44.70951 | 10.90161 | 55.30839 |
| 6/15/2025 | 6:00:00 AM | 33.81793 | 60.04428 | 26.22635 | 21.50365 | 47.17905 | 13.36112 | 25.28888 | 48.39142 | 14.57349 | 24.77651 | 41.10533 | 7.2874 | 22.5226 | 44.71308 | 10.89515 | 55.31485 |
| 6/15/2025 | 7:00:00 AM | 33.83131 | 60.04071 | 26.2094 | 21.5206 | 47.1824 | 13.35109 | 25.29891 | 48.39855 | 14.56724 | 24.78276 | 41.10533 | 7.27402 | 22.53598 | 44.70951 | 10.8782 | 55.3318 |
| 6/15/2025 | 8:00:00 AM | 33.83131 | 60.05142 | 26.22011 | 21.50989 | 47.19247 | 13.36116 | 25.28884 | 48.39499 | 14.56368 | 24.78632 | 41.09817 | 7.26686 | 22.54314 | 44.70593 | 10.87462 | 55.33538 |
| 6/15/2025 | 9:00:00 AM | 33.83465 | 60.04428 | 26.20963 | 21.52037 | 47.18911 | 13.35446 | 25.29554 | 48.39142 | 14.55677 | 24.79323 | 41.10533 | 7.27068 | 22.53932 | 44.70236 | 10.86771 | 55.34229 |
| 6/15/2025 | 10:00:00 AM | 33.83131 | 60.03357 | 26.20226 | 21.52774 | 47.18911 | 13.3578 | 25.2922 | 48.39142 | 14.56011 | 24.78989 | 41.10175 | 7.27044 | 22.53956 | 44.70236 | 10.87105 | 55.33895 |
| 6/15/2025 | 11:00:00 AM | 33.83465 | 60.02999 | 26.19534 | 21.53466 | 47.1824 | 13.34775 | 25.30225 | 48.37716 | 14.54251 | 24.80749 | 41.09817 | 7.26352 | 22.54648 | 44.69164 | 10.85699 | 55.35301 |
| 6/15/2025 | 12:00:00 PM | 33.838 | 60.02285 | 26.18485 | 21.54515 | 47.16228 | 13.32428 | 25.32572 | 48.36646 | 14.52846 | 24.82154 | 41.09102 | 7.25302 | 22.55698 | 44.68806 | 10.85006 | 55.35994 |
| 6/15/2025 | 1:00:00 PM | 33.78784 | 59.99786 | 26.21002 | 21.51998 | 47.1388 | 13.35096 | 25.29904 | 48.35933 | 14.57149 | 24.77851 | 41.08386 | 7.29602 | 22.51398 | 44.67734 | 10.8895 | 55.3205 |
| 6/15/2025 | 2:00:00 PM | 33.77446 | 59.99071 | 26.21625 | 21.51375 | 47.10862 | 13.33416 | 25.31584 | 48.33794 | 14.56348 | 24.78652 | 41.07313 | 7.29867 | 22.51133 | 44.6559 | 10.88144 | 55.32856 |
| 6/15/2025 | 3:00:00 PM | 33.73768 | 59.95501 | 26.21733 | 21.51267 | 47.06837 | 13.33069 | 25.31931 | 48.30585 | 14.56817 | 24.78183 | 41.05524 | 7.31756 | 22.49244 | 44.63803 | 10.90035 | 55.30965 |
| 6/15/2025 | 4:00:00 PM | 33.72096 | 59.94072 | 26.21976 | 21.51024 | 47.02477 | 13.30381 | 25.34619 | 48.27377 | 14.55281 | 24.79719 | 41.04808 | 7.32712 | 22.48288 | 44.63088 | 10.90992 | 55.30008 |
| 6/15/2025 | 5:00:00 PM | 33.70089 | 59.9193 | 26.21841 | 21.51159 | 46.97782 | 13.27693 | 25.37307 | 48.25951 | 14.55862 | 24.79138 | 41.0302 | 7.32931 | 22.48069 | 44.63445 | 10.93356 | 55.27644 |
| 6/15/2025 | 6:00:00 PM | 33.68417 | 59.91216 | 26.22799 | 21.50201 | 46.95099 | 13.26682 | 25.38318 | 48.23811 | 14.55394 | 24.79606 | 41.03377 | 7.3496 | 22.4604 | 44.62373 | 10.93956 | 55.27044 |
| 6/15/2025 | 7:00:00 PM | 33.68083 | 59.90144 | 26.22061 | 21.50939 | 46.9208 | 13.23997 | 25.41003 | 48.23098 | 14.55015 | 24.79985 | 41.02304 | 7.34221 | 22.46779 | 44.62731 | 10.94648 | 55.26352 |
| 6/15/2025 | 8:00:00 PM | 33.67414 | 59.91216 | 26.23802 | 21.49198 | 46.90068 | 13.22654 | 25.42346 | 48.22385 | 14.54971 | 24.80029 | 41.01946 | 7.34532 | 22.46468 | 44.63445 | 10.96031 | 55.24969 |
| 6/15/2025 | 9:00:00 PM | 33.67414 | 59.91216 | 26.23802 | 21.49198 | 46.90403 | 13.22989 | 25.42011 | 48.22742 | 14.55328 | 24.79672 | 41.01588 | 7.34174 | 22.46826 | 44.65232 | 10.97818 | 55.23182 |
| 6/15/2025 | 10:00:00 PM | 33.68083 | 59.91216 | 26.23133 | 21.49867 | 46.90403 | 13.2232 | 25.4268 | 48.23811 | 14.55728 | 24.79272 | 41.01946 | 7.33863 | 22.47137 | 44.65947 | 10.97864 | 55.23136 |
| 6/15/2025 | 11:00:00 PM | 33.67748 | 59.90501 | 26.22753 | 21.50247 | 46.90739 | 13.22991 | 25.42009 | 48.22029 | 14.54281 | 24.80719 | 41.01231 | 7.33483 | 22.47517 | 44.65947 | 10.98199 | 55.22801 |
| 6/16/2025 | 12:00:00 AM | 33.67414 | 59.90858 | 26.23444 | 21.49556 | 46.91409 | 13.23995 | 25.41005 | 48.22742 | 14.55328 | 24.79672 | 41.00515 | 7.33101 | 22.47899 | 44.6559 | 10.98176 | 55.22824 |
| 6/16/2025 | 1:00:00 AM | 33.66411 | 59.90144 | 26.23733 | 21.49267 | 46.91074 | 13.24663 | 25.40337 | 48.20959 | 14.54548 | 24.80452 | 40.99084 | 7.32673 | 22.48327 | 44.65232 | 10.98821 | 55.22179 |
| 6/16/2025 | 2:00:00 AM | 33.66076 | 59.90144 | 26.24068 | 21.48932 | 46.91745 | 13.25669 | 25.39331 | 48.20603 | 14.54527 | 24.80473 | 40.99084 | 7.33008 | 22.47992 | 44.63803 | 10.97727 | 55.23273 |
| 6/16/2025 | 3:00:00 AM | 33.65408 | 59.90144 | 26.24736 | 21.48264 | 46.93086 | 13.27678 | 25.37322 | 48.20603 | 14.55195 | 24.79805 | 40.99442 | 7.34034 | 22.46966 | 44.6559 | 11.00182 | 55.20818 |
| 6/16/2025 | 4:00:00 AM | 33.64739 | 59.8943 | 26.24691 | 21.48309 | 46.94093 | 13.29354 | 25.35646 | 48.20246 | 14.55507 | 24.79493 | 40.98368 | 7.33629 | 22.47371 | 44.65232 | 11.00493 | 55.20507 |
| 6/16/2025 | 5:00:00 AM | 33.64739 | 59.90144 | 26.25405 | 21.47595 | 46.95099 | 13.3036 | 25.3464 | 48.20603 | 14.55864 | 24.79136 | 40.98011 | 7.33272 | 22.47728 | 44.64875 | 11.00136 | 55.20864 |
| 6/16/2025 | 6:00:00 AM | 33.65408 | 59.92644 | 26.27236 | 21.45764 | 46.98117 | 13.32709 | 25.32291 | 48.23811 | 14.58403 | 24.76597 | 40.998 | 7.34392 | 22.46608 | 44.67019 | 11.01611 | 55.19389 |
| 6/16/2025 | 7:00:00 AM | 33.6708 | 59.92644 | 26.25564 | 21.47436 | 47.0013 | 13.3305 | 25.3195 | 48.23455 | 14.56375 | 24.78625 | 40.99084 | 7.32004 | 22.48996 | 44.67377 | 11.00297 | 55.20703 |
| 6/16/2025 | 8:00:00 AM | 33.67748 | 59.95143 | 26.27395 | 21.45605 | 47.02142 | 13.34394 | 25.30606 | 48.26307 | 14.58559 | 24.76441 | 41.00515 | 7.32767 | 22.48233 | 44.68449 | 11.00701 | 55.20299 |
| 6/16/2025 | 9:00:00 AM | 33.70089 | 59.94786 | 26.24697 | 21.48303 | 47.03819 | 13.3373 | 25.3127 | 48.26664 | 14.56575 | 24.78425 | 41.00873 | 7.30784 | 22.50216 | 44.68449 | 10.9836 | 55.2264 |
| 6/16/2025 | 10:00:00 AM | 33.71427 | 59.95501 | 26.24074 | 21.48926 | 47.05831 | 13.34404 | 25.30596 | 48.2809 | 14.56663 | 24.78337 | 41.00515 | 7.29088 | 22.51912 | 44.68806 | 10.97379 | 55.23621 |
| 6/16/2025 | 11:00:00 AM | 33.73433 | 59.95143 | 26.2171 | 21.5129 | 47.06166 | 13.32733 | 25.32267 | 48.28446 | 14.55013 | 24.79987 | 41.00515 | 7.27082 | 22.53918 | 44.69164 | 10.95731 | 55.25269 |
| 6/16/2025 | 12:00:00 PM | 33.74102 | 59.94786 | 26.20684 | 21.52316 | 47.05831 | 13.31729 | 25.33271 | 48.28803 | 14.54701 | 24.80299 | 41.00873 | 7.26771 | 22.54229 | 44.68449 | 10.94347 | 55.26653 |
| 6/16/2025 | 1:00:00 PM | 33.73433 | 59.93001 | 26.19568 | 21.53432 | 47.04825 | 13.31392 | 25.33608 | 48.2809 | 14.54657 | 24.80343 | 41.00157 | 7.26724 | 22.54276 | 44.67019 | 10.93586 | 55.27414 |
| 6/16/2025 | 2:00:00 PM | 33.72096 | 59.93001 | 26.20905 | 21.52095 | 47.01806 | 13.2971 | 25.3529 | 48.26307 | 14.54211 | 24.80789 | 40.99442 | 7.27346 | 22.53654 | 44.65947 | 10.93851 | 55.27149 |
| 6/16/2025 | 3:00:00 PM | 33.71092 | 59.91216 | 26.20124 | 21.52876 | 46.99459 | 13.28367 | 25.36633 | 48.25594 | 14.54502 | 24.80498 | 40.99084 | 7.27992 | 22.53008 | 44.64875 | 10.93783 | 55.27217 |
| 6/16/2025 | 4:00:00 PM | 33.70758 | 59.91216 | 26.20458 | 21.52542 | 46.97111 | 13.26353 | 25.38647 | 48.23811 | 14.53053 | 24.81947 | 40.998 | 7.29042 | 22.51958 | 44.64518 | 10.9376 | 55.2724 |
| 6/16/2025 | 5:00:00 PM | 33.70089 | 59.90501 | 26.20412 | 21.52588 | 46.94093 | 13.24004 | 25.40996 | 48.23455 | 14.53366 | 24.81634 | 40.998 | 7.29711 | 22.51289 | 44.6416 | 10.94071 | 55.26929 |
| 6/16/2025 | 6:00:00 PM | 33.70089 | 59.90858 | 26.20769 | 21.52231 | 46.92751 | 13.22662 | 25.42338 | 48.23811 | 14.53722 | 24.81278 | 40.99084 | 7.28995 | 22.52005 | 44.65232 | 10.95143 | 55.25857 |
| 6/16/2025 | 7:00:00 PM | 33.69755 | 59.90144 | 26.20389 | 21.52611 | 46.90403 | 13.20648 | 25.44352 | 48.22029 | 14.52274 | 24.82726 | 40.99442 | 7.29687 | 22.51313 | 44.64875 | 10.9512 | 55.2588 |
| 6/16/2025 | 8:00:00 PM | 33.70424 | 59.89787 | 26.19363 | 21.53637 | 46.88726 | 13.18302 | 25.46698 | 48.22385 | 14.51961 | 24.83039 | 40.98726 | 7.28302 | 22.52698 | 44.65232 | 10.94808 | 55.26192 |
| 6/16/2025 | 9:00:00 PM | 33.70089 | 59.89787 | 26.19698 | 21.53302 | 46.88056 | 13.17967 | 25.47033 | 48.22029 | 14.5194 | 24.8306 | 40.99084 | 7.28995 | 22.52005 | 44.6559 | 10.95501 | 55.25499 |
| 6/16/2025 | 10:00:00 PM | 33.71092 | 59.90858 | 26.19766 | 21.53234 | 46.89397 | 13.18305 | 25.46695 | 48.22742 | 14.5165 | 24.8335 | 40.99084 | 7.27992 | 22.53008 | 44.6559 | 10.94498 | 55.26502 |
| 6/16/2025 | 11:00:00 PM | 33.71427 | 59.91573 | 26.20146 | 21.52854 | 46.89397 | 13.1797 | 25.4703 | 48.22742 | 14.51315 | 24.83685 | 40.99084 | 7.27657 | 22.53343 | 44.65947 | 10.9452 | 55.2648 |
| 6/17/2025 | 12:00:00 AM | 33.71092 | 59.91573 | 26.20481 | 21.52519 | 46.90739 | 13.19647 | 25.45353 | 48.22385 | 14.51293 | 24.83707 | 40.99084 | 7.27992 | 22.53008 | 44.66662 | 10.9557 | 55.2543 |
| 6/17/2025 | 1:00:00 AM | 33.70758 | 59.91573 | 26.20815 | 21.52185 | 46.91745 | 13.20987 | 25.44013 | 48.22385 | 14.51627 | 24.83373 | 40.98368 | 7.2761 | 22.5339 | 44.6559 | 10.94832 | 55.26168 |
| 6/17/2025 | 2:00:00 AM | 33.70758 | 59.9193 | 26.21172 | 21.51828 | 46.93086 | 13.22328 | 25.42672 | 48.21672 | 14.50914 | 24.84086 | 40.98368 | 7.2761 | 22.5339 | 44.6559 | 10.94832 | 55.26168 |
| 6/17/2025 | 3:00:00 AM | 33.71427 | 59.90858 | 26.19431 | 21.53569 | 46.94428 | 13.23001 | 25.41999 | 48.22742 | 14.51315 | 24.83685 | 40.98368 | 7.26941 | 22.54059 | 44.65232 | 10.93805 | 55.27195 |
| 6/17/2025 | 4:00:00 AM | 33.71761 | 59.9193 | 26.20169 | 21.52831 | 46.9644 | 13.24679 | 25.40321 | 48.23455 | 14.51694 | 24.83306 | 40.99442 | 7.27681 | 22.53319 | 44.6559 | 10.93829 | 55.27171 |
| 6/17/2025 | 5:00:00 AM | 33.72096 | 59.93001 | 26.20905 | 21.52095 | 46.97782 | 13.25686 | 25.39314 | 48.23455 | 14.51359 | 24.83641 | 40.99442 | 7.27346 | 22.53654 | 44.67019 | 10.94923 | 55.26077 |
| 6/17/2025 | 6:00:00 AM | 33.72764 | 59.93001 | 26.20237 | 21.52763 | 46.99459 | 13.26695 | 25.38305 | 48.24168 | 14.51404 | 24.83596 | 40.998 | 7.27036 | 22.53964 | 44.66304 | 10.9354 | 55.2746 |
| 6/17/2025 | 7:00:00 AM | 33.7243 | 59.93001 | 26.20571 | 21.52429 | 47.0013 | 13.277 | 25.373 | 48.23811 | 14.51381 | 24.83619 | 40.98368 | 7.25938 | 22.55062 | 44.65947 | 10.93517 | 55.27483 |
| 6/17/2025 | 8:00:00 AM | 33.72096 | 59.93715 | 26.21619 | 21.51381 | 47.008 | 13.28704 | 25.36296 | 48.24168 | 14.52072 | 24.82928 | 40.998 | 7.27704 | 22.53296 | 44.66304 | 10.94208 | 55.26792 |
| 6/17/2025 | 9:00:00 AM | 33.71092 | 59.92287 | 26.21195 | 21.51805 | 47.01136 | 13.30044 | 25.34956 | 48.23455 | 14.52363 | 24.82637 | 40.98368 | 7.27276 | 22.53724 | 44.64518 | 10.93426 | 55.27574 |
| 6/17/2025 | 10:00:00 AM | 33.72096 | 59.93715 | 26.21619 | 21.51381 | 47.02477 | 13.30381 | 25.34619 | 48.24524 | 14.52428 | 24.82572 | 40.998 | 7.27704 | 22.53296 | 44.65947 | 10.93851 | 55.27149 |
| 6/17/2025 | 11:00:00 AM | 33.71092 | 59.92644 | 26.21552 | 21.51448 | 47.01471 | 13.30379 | 25.34621 | 48.23811 | 14.52719 | 24.82281 | 40.98726 | 7.27634 | 22.53366 | 44.6559 | 10.94498 | 55.26502 |
| 6/17/2025 | 12:00:00 PM | 33.70424 | 59.91216 | 26.20792 | 21.52208 | 47.00465 | 13.30041 | 25.34959 | 48.22029 | 14.51605 | 24.83395 | 40.98011 | 7.27587 | 22.53413 | 44.64518 | 10.94094 | 55.26906 |
| 6/17/2025 | 1:00:00 PM | 33.69086 | 59.8943 | 26.20344 | 21.52656 | 46.98453 | 13.29367 | 25.35633 | 48.21672 | 14.52586 | 24.82414 | 40.97295 | 7.28209 | 22.52791 | 44.63445 | 10.94359 | 55.26641 |
| 6/17/2025 | 2:00:00 PM | 33.68417 | 59.88716 | 26.20299 | 21.52701 | 46.9644 | 13.28023 | 25.36977 | 48.20603 | 14.52186 | 24.82814 | 40.96937 | 7.2852 | 22.5248 | 44.62731 | 10.94314 | 55.26686 |
| 6/17/2025 | 3:00:00 PM | 33.66411 | 59.86573 | 26.20162 | 21.52838 | 46.92751 | 13.2634 | 25.3866 | 48.19177 | 14.52766 | 24.82234 | 40.95506 | 7.29095 | 22.51905 | 44.61658 | 10.95247 | 55.25753 |
| 6/17/2025 | 4:00:00 PM | 33.65742 | 59.85859 | 26.20117 | 21.52883 | 46.89732 | 13.2399 | 25.4101 | 48.1775 | 14.52008 | 24.82992 | 40.95506 | 7.29764 | 22.51236 | 44.61301 | 10.95559 | 55.25441 |
| 6/17/2025 | 5:00:00 PM | 33.63736 | 59.84431 | 26.20695 | 21.52305 | 46.85372 | 13.21636 | 25.43364 | 48.15611 | 14.51875 | 24.83125 | 40.93717 | 7.29981 | 22.51019 | 44.60229 | 10.96493 | 55.24507 |
| 6/17/2025 | 6:00:00 PM | 33.62398 | 59.83003 | 26.20605 | 21.52395 | 46.82019 | 13.19621 | 25.45379 | 48.13829 | 14.51431 | 24.83569 | 40.93359 | 7.30961 | 22.50039 | 44.59514 | 10.97116 | 55.23884 |
| 6/17/2025 | 7:00:00 PM | 33.60726 | 59.81931 | 26.21205 | 21.51795 | 46.78329 | 13.17603 | 25.47397 | 48.12046 | 14.5132 | 24.8368 | 40.92286 | 7,3156 | 22.4944 | 44.58442 | 10.97716 | 55.23284 |
| 6/17/2025 | 8:00:00 PM | 33.60057 | 59.8086 | 26.20803 | 21.52197 | 46.76317 | 13.1626 | 25.4874 | 48.10976 | 14.50919 | 24.84081 | 40.91571 | 7.31514 | 22.49486 | 44.58799 | 10.98742 | 55.22258 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/17/2025 | 9:00:00 PM | 33.5872 | 59.81574 | 26.22854 | 21.50146 | 46.75646 | 13.16926 | 25.48074 | 48.1062 | 14.519 | 24.831 | 40.91571 | 7.32851 | 22.48149 | 44.59871 | 11.01151 | 55.19849 |
| 6/17/2025 | 10:00:00 PM | 33.5872 | 59.81931 | 26.23211 | 21.49789 | 46.76988 | 13.18268 | 25.46732 | 48.11333 | 14.52613 | 24.82387 | 40.91571 | 7.32851 | 22.48149 | 44.60944 | 11.02224 | 55.18776 |
| 6/17/2025 | 11:00:00 PM | 33.58051 | 59.82288 | 26.24237 | 21.48763 | 46.77659 | 13.19608 | 25.45392 | 48.12046 | 14.53995 | 24.81005 | 40.90855 | 7.32804 | 22.48196 | 44.61301 | 11.0325 | 55.1775 |
| 6/18/2025 | 12:00:00 AM | 33.61729 | 59.8336 | 26.21631 | 21.51369 | 46.80006 | 13.18277 | 25.46723 | 48.12046 | 14.50317 | 24.84683 | 40.91213 | 7.29484 | 22.51516 | 44.62016 | 11.00287 | 55.20713 |
| 6/18/2025 | 1:00:00 AM | 33.60392 | 59.82288 | 26.21896 | 21.51104 | 46.80342 | 13.1995 | 25.4505 | 48.1062 | 14.50228 | 24.84772 | 40.89424 | 7.29032 | 22.51968 | 44.60586 | 11.00194 | 55.20806 |
| 6/18/2025 | 2:00:00 AM | 33.61729 | 59.82288 | 26.20559 | 21.52441 | 46.81348 | 13.19619 | 25.45381 | 48.10976 | 14.49247 | 24.85753 | 40.90139 | 7.2841 | 22.5259 | 44.61301 | 10.99572 | 55.21428 |
| 6/18/2025 | 3:00:00 AM | 33.6106 | 59.83003 | 26.21943 | 21.51057 | 46.82689 | 13.21629 | 25.43371 | 48.10976 | 14.49916 | 24.85084 | 40.89782 | 7.28722 | 22.52278 | 44.60586 | 10.99526 | 55.21474 |
| 6/18/2025 | 4:00:00 AM | 33.62064 | 59.82645 | 26.20581 | 21.52419 | 46.84702 | 13.22638 | 25.42362 | 48.11689 | 14.49625 | 24.85375 | 40.89782 | 7.27718 | 22.53282 | 44.60944 | 10.9888 | 55.2212 |
| 6/18/2025 | 5:00:00 AM | 33.62064 | 59.83717 | 26.21653 | 21.51347 | 46.85708 | 13.23644 | 25.41356 | 48.11689 | 14.49625 | 24.85375 | 40.89782 | 7.27718 | 22.53282 | 44.61658 | 10.99594 | 55.21406 |
| 6/18/2025 | 6:00:00 AM | 33.61729 | 59.82645 | 26.20916 | 21.52084 | 46.87049 | 13.2532 | 25.3968 | 48.12046 | 14.50317 | 24.84683 | 40.89782 | 7.28053 | 22.52947 | 44.60586 | 10.98857 | 55.22143 |
| 6/18/2025 | 7:00:00 AM | 33.62398 | 59.84431 | 26.22033 | 21.50967 | 46.89062 | 13.26664 | 25.38336 | 48.12402 | 14.50004 | 24.84996 | 40.89424 | 7.27026 | 22.53974 | 44.60944 | 10.98546 | 55.22454 |
| 6/18/2025 | 8:00:00 AM | 33.62398 | 59.83717 | 26.21319 | 21.51681 | 46.90739 | 13.28341 | 25.36659 | 48.13472 | 14.51074 | 24.83926 | 40.89782 | 7.27384 | 22.53616 | 44.60944 | 10.98546 | 55.22454 |
| 6/18/2025 | 9:00:00 AM | 33.62398 | 59.84074 | 26.21676 | 21.51324 | 46.91409 | 13.29011 | 25.35989 | 48.13472 | 14.51074 | 24.83926 | 40.89782 | 7.27384 | 22.53616 | 44.61658 | 10.9926 | 55.2174 |
| 6/18/2025 | 10:00:00 AM | 33.63067 | 59.84074 | 26.21007 | 21.51993 | 46.91745 | 13.28678 | 25.36322 | 48.13829 | 14.50762 | 24.84238 | 40.89424 | 7.26357 | 22.54643 | 44.61658 | 10.98591 | 55.22409 |
| 6/18/2025 | 11:00:00 AM | 33.63067 | 59.84431 | 26.21364 | 21.51636 | 46.93086 | 13.30019 | 25.34981 | 48.14542 | 14.51475 | 24.83525 | 40.89782 | 7.26715 | 22.54285 | 44.61658 | 10.98591 | 55.22409 |
| 6/18/2025 | 12:00:00 PM | 33.64739 | 59.86216 | 26.21477 | 21.51523 | 46.95769 | 13.3103 | 25.3397 | 48.17394 | 14.52655 | 24.82345 | 40.91213 | 7.26474 | 22.54526 | 44.63445 | 10.98706 | 55.22294 |
| 6/18/2025 | 1:00:00 PM | 33.65742 | 59.86216 | 26.20474 | 21.52526 | 46.9644 | 13.30698 | 25.34302 | 48.17394 | 14.51652 | 24.83348 | 40.90855 | 7.25113 | 22.55887 | 44.63088 | 10.97346 | 55.23654 |
| 6/18/2025 | 2:00:00 PM | 33.67414 | 59.87645 | 26.20231 | 21.52769 | 46.97111 | 13.29697 | 25.35303 | 48.19177 | 14.51763 | 24.83237 | 40.91928 | 7.24514 | 22.56486 | 44.63445 | 10.96031 | 55.24969 |
| 6/18/2025 | 3:00:00 PM | 33.68417 | 59.88002 | 26.19585 | 21.53415 | 46.97111 | 13.28694 | 25.36306 | 48.19177 | 14.5076 | 24.8424 | 40.93002 | 7.24585 | 22.56415 | 44.63803 | 10.95386 | 55.25614 |
| 6/18/2025 | 4:00:00 PM | 33.69755 | 59.89073 | 26.19318 | 21.53682 | 46.97111 | 13.27356 | 25.37644 | 48.20246 | 14.50491 | 24.84509 | 40.93002 | 7.23247 | 22.57753 | 44.64875 | 10.9512 | 55.2588 |
| 6/18/2025 | 5:00:00 PM | 33.70758 | 59.88716 | 26.17958 | 21.55042 | 46.96105 | 13.25347 | 25.39653 | 48.20959 | 14.50201 | 24.84799 | 40.94075 | 7.23317 | 22.57683 | 44.64518 | 10.9376 | 55.2724 |
| 6/18/2025 | 6:00:00 PM | 33.7243 | 59.91216 | 26.18786 | 21.54214 | 46.97111 | 13.24681 | 25.40319 | 48.21672 | 14.49242 | 24.85758 | 40.95148 | 7.22718 | 22.58282 | 44.6559 | 10.9316 | 55.2784 |
| 6/18/2025 | 7:00:00 PM | 33.73768 | 59.90858 | 26.1709 | 21.5591 | 46.97446 | 13.23678 | 25.41322 | 48.23811 | 14.50043 | 24.84957 | 40.95864 | 7.22096 | 22.58904 | 44.65947 | 10.92179 | 55.28821 |
| 6/18/2025 | 8:00:00 PM | 33.73768 | 59.90858 | 26.1709 | 21.5591 | 46.96105 | 13.22337 | 25.42663 | 48.23098 | 14.4933 | 24.8567 | 40.95148 | 7.2138 | 22.5962 | 44.65947 | 10.92179 | 55.28821 |
| 6/18/2025 | 9:00:00 PM | 33.7243 | 59.8943 | 26.17 | 21.56 | 46.94763 | 13.22333 | 25.42667 | 48.21672 | 14.49242 | 24.85758 | 40.94075 | 7.21645 | 22.59355 | 44.64518 | 10.92088 | 55.28912 |
| 6/18/2025 | 10:00:00 PM | 33.73433 | 59.90144 | 26.16711 | 21.56289 | 46.94763 | 13.2133 | 25.4367 | 48.22029 | 14.48596 | 24.86404 | 40.95148 | 7.21715 | 22.59285 | 44.64875 | 10.91442 | 55.29558 |
| 6/18/2025 | 11:00:00 PM | 33.73768 | 59.90144 | 26.16376 | 21.56624 | 46.96105 | 13.22337 | 25.42663 | 48.22385 | 14.48617 | 24.86383 | 40.96222 | 7.22454 | 22.58546 | 44.64518 | 10.9075 | 55.3025 |
| 6/19/2025 | 12:00:00 AM | 33.72764 | 59.90144 | 26.1738 | 21.5562 | 46.96105 | 13.23341 | 25.41659 | 48.22029 | 14.49265 | 24.85735 | 40.95506 | 7.22742 | 22.58258 | 44.63803 | 10.91039 | 55.29961 |
| 6/19/2025 | 1:00:00 AM | 33.73099 | 59.90858 | 26.17759 | 21.55241 | 46.97446 | 13.24347 | 25.40653 | 48.20959 | 14.4786 | 24.8714 | 40.95506 | 7.22407 | 22.58593 | 44.6416 | 10.91061 | 55.29939 |
| 6/19/2025 | 2:00:00 AM | 33.71427 | 59.90144 | 26.18717 | 21.54283 | 46.97111 | 13.25684 | 25.39316 | 48.20959 | 14.49532 | 24.85468 | 40.95148 | 7.23721 | 22.57279 | 44.63445 | 10.92018 | 55.28982 |
| 6/19/2025 | 3:00:00 AM | 33.70758 | 59.8943 | 26.18672 | 21.54328 | 46.97111 | 13.26353 | 25.38647 | 48.20246 | 14.49488 | 24.85512 | 40.95506 | 7.24748 | 22.56252 | 44.62373 | 10.91615 | 55.29385 |
| 6/19/2025 | 4:00:00 AM | 33.70424 | 59.90144 | 26.1972 | 21.5328 | 46.97782 | 13.27358 | 25.37642 | 48.19177 | 14.48753 | 24.86247 | 40.95148 | 7.24724 | 22.56276 | 44.63088 | 10.92664 | 55.28336 |
| 6/19/2025 | 5:00:00 AM | 33.70424 | 59.8943 | 26.19006 | 21.53994 | 46.98117 | 13.27693 | 25.37307 | 48.18463 | 14.48039 | 24.86961 | 40.95506 | 7.25082 | 22.55918 | 44.62016 | 10.91592 | 55.29408 |
| 6/19/2025 | 6:00:00 AM | 33.70424 | 59.89073 | 26.18649 | 21.54351 | 46.99794 | 13.2937 | 25.3563 | 48.1882 | 14.48396 | 24.86604 | 40.95864 | 7.2544 | 22.5556 | 44.63088 | 10.92664 | 55.28336 |
| 6/19/2025 | 7:00:00 AM | 33.70424 | 59.90144 | 26.1972 | 21.5328 | 47.0013 | 13.29706 | 25.35294 | 48.19177 | 14.48753 | 24.86247 | 40.95148 | 7.24724 | 22.56276 | 44.63088 | 10.92664 | 55.28336 |
| 6/19/2025 | 8:00:00 AM | 33.70758 | 59.8943 | 26.18672 | 21.54328 | 47.0013 | 13.29372 | 25.35628 | 48.19533 | 14.48775 | 24.86225 | 40.94791 | 7.24033 | 22.56967 | 44.63088 | 10.9233 | 55.2867 |
| 6/19/2025 | 9:00:00 AM | 33.68417 | 59.88002 | 26.19585 | 21.53415 | 46.99794 | 13.31377 | 25.33623 | 48.18463 | 14.50046 | 24.84954 | 40.94075 | 7.25658 | 22.55342 | 44.61658 | 10.93241 | 55.27759 |
| 6/19/2025 | 10:00:00 AM | 33.65742 | 59.8693 | 26.21188 | 21.51812 | 46.97446 | 13.31704 | 25.33296 | 48.16324 | 14.50582 | 24.84418 | 40.91928 | 7.26186 | 22.54814 | 44.59514 | 10.93772 | 55.27228 |
| 6/19/2025 | 11:00:00 AM | 33.65073 | 59.85502 | 26.20429 | 21.52571 | 46.96105 | 13.31032 | 25.33968 | 48.15255 | 14.50182 | 24.84818 | 40.91571 | 7.26498 | 22.54502 | 44.59871 | 10.94798 | 55.26202 |
| 6/19/2025 | 12:00:00 PM | 33.6407 | 59.84431 | 26.20361 | 21.52639 | 46.94093 | 13.30023 | 25.34977 | 48.12759 | 14.48689 | 24.86311 | 40.91571 | 7.27501 | 22.53499 | 44.59157 | 10.95087 | 55.25913 |
| 6/19/2025 | 1:00:00 PM | 33.62398 | 59.8336 | 26.20962 | 21.52038 | 46.91409 | 13.29011 | 25.35989 | 48.11689 | 14.49291 | 24.85709 | 40.90497 | 7.28099 | 22.52901 | 44.58442 | 10.96044 | 55.24956 |
| 6/19/2025 | 2:00:00 PM | 33.60392 | 59.81931 | 26.21539 | 21.51461 | 46.88056 | 13.27664 | 25.37336 | 48.11333 | 14.50941 | 24.84059 | 40.89782 | 7.2939 | 22.5161 | 44.5737 | 10.96978 | 55.24022 |
| 6/19/2025 | 3:00:00 PM | 33.5872 | 59.79432 | 26.20712 | 21.52288 | 46.84366 | 13.25646 | 25.39354 | 48.09194 | 14.50474 | 24.84526 | 40.87635 | 7.28915 | 22.52085 | 44.57012 | 10.98292 | 55.22708 |
| 6/19/2025 | 4:00:00 PM | 33.57382 | 59.78003 | 26.20621 | 21.52379 | 46.81012 | 13.2363 | 25.4137 | 48.07411 | 14.50029 | 24.84971 | 40.86919 | 7.29537 | 22.51463 | 44.56655 | 10.99273 | 55.21727 |
| 6/19/2025 | 5:00:00 PM | 33.56044 | 59.76575 | 26.20531 | 21.52469 | 46.77994 | 13.2195 | 25.4305 | 48.06342 | 14.50298 | 24.84702 | 40.86919 | 7.30875 | 22.50125 | 44.56298 | 11.00254 | 55.20746 |
| 6/19/2025 | 6:00:00 PM | 33.54372 | 59.75504 | 26.21132 | 21.51868 | 46.73969 | 13.19597 | 25.45403 | 48.04559 | 14.50187 | 24.84813 | 40.84773 | 7.30401 | 22.50599 | 44.54868 | 11.00496 | 55.20504 |
| 6/19/2025 | 7:00:00 PM | 33.53369 | 59.74432 | 26.21063 | 21.51937 | 46.70615 | 13.17246 | 25.47754 | 48.02063 | 14.48694 | 24.86306 | 40.84057 | 7.30688 | 22.50312 | 44.55225 | 11.01856 | 55.19144 |
| 6/19/2025 | 8:00:00 PM | 33.527 | 59.73361 | 26.20661 | 21.52339 | 46.69274 | 13.16574 | 25.48426 | 48.00637 | 14.47937 | 24.87063 | 40.82984 | 7.30284 | 22.50716 | 44.54511 | 11.01811 | 55.19189 |
| 6/19/2025 | 9:00:00 PM | 33.52032 | 59.73004 | 26.20972 | 21.52028 | 46.67261 | 13.15229 | 25.49771 | 48.00281 | 14.48249 | 24.86751 | 40.82984 | 7.30952 | 22.50048 | 44.55225 | 11.03193 | 55.17807 |
| 6/19/2025 | 10:00:00 PM | 33.51363 | 59.72647 | 26.21284 | 21.51716 | 46.67932 | 13.16569 | 25.48431 | 47.99568 | 14.48205 | 24.86795 | 40.81195 | 7.29832 | 22.51168 | 44.54868 | 11.03505 | 55.17495 |
| 6/19/2025 | 11:00:00 PM | 33.49691 | 59.71933 | 26.22242 | 21.50758 | 46.66926 | 13.17235 | 25.47765 | 47.98498 | 14.48807 | 24.86193 | 40.80479 | 7.30788 | 22.50212 | 44.54153 | 11.04462 | 55.16538 |
| 6/20/2025 | 12:00:00 AM | 33.48688 | 59.70504 | 26.21816 | 21.51184 | 46.6592 | 13.17232 | 25.47768 | 47.96359 | 14.47671 | 24.87329 | 40.79764 | 7.31076 | 22.49924 | 44.53796 | 11.05108 | 55.15892 |
| 6/20/2025 | 1:00:00 AM | 33.48019 | 59.70147 | 26.22128 | 21.50872 | 46.66926 | 13.18907 | 25.46093 | 47.95646 | 14.47627 | 24.87373 | 40.78691 | 7.30672 | 22.50328 | 44.53081 | 11.05062 | 55.15938 |
| 6/20/2025 | 2:00:00 AM | 33.47016 | 59.6979 | 26.22774 | 21.50226 | 46.66926 | 13.1991 | 25.4509 | 47.94933 | 14.47917 | 24.87083 | 40.77617 | 7.30601 | 22.50399 | 44.52724 | 11.05708 | 55.15292 |
| 6/20/2025 | 3:00:00 AM | 33.46347 | 59.70147 | 26.238 | 21.492 | 46.67932 | 13.21585 | 25.43415 | 47.9422 | 14.47873 | 24.87127 | 40.77259 | 7.30912 | 22.50088 | 44.52009 | 11.05662 | 55.15338 |
| 6/20/2025 | 4:00:00 AM | 33.4735 | 59.6979 | 26.2244 | 21.5056 | 46.69945 | 13.22595 | 25.42405 | 47.94933 | 14.47583 | 24.87417 | 40.77259 | 7.29909 | 22.51091 | 44.54153 | 11.06803 | 55.14197 |
| 6/20/2025 | 5:00:00 AM | 33.4735 | 59.70147 | 26.22797 | 21.50203 | 46.69945 | 13.22595 | 25.42405 | 47.94933 | 14.47583 | 24.87417 | 40.77259 | 7.29909 | 22.51091 | 44.53438 | 11.06088 | 55.14912 |
| 6/20/2025 | 6:00:00 AM | 33.46347 | 59.6979 | 26.23443 | 21.49557 | 46.70615 | 13.24268 | 25.40732 | 47.95289 | 14.48942 | 24.86058 | 40.76186 | 7.29839 | 22.51161 | 44.52724 | 11.06377 | 55.14623 |
| 6/20/2025 | 7:00:00 AM | 33.45009 | 59.68719 | 26.2371 | 21.4929 | 46.70951 | 13.25942 | 25.39058 | 47.9315 | 14.48141 | 24.86859 | 40.74755 | 7.29746 | 22.51254 | 44.51294 | 11.06285 | 55.14715 |
| 6/20/2025 | 8:00:00 AM | 33.4434 | 59.68005 | 26.23665 | 21.49335 | 46.70951 | 13.26611 | 25.38389 | 47.93507 | 14.49167 | 24.85833 | 40.74039 | 7.29699 | 22.51301 | 44.51294 | 11.06954 | 55.14046 |
| 6/20/2025 | 9:00:00 AM | 33.4434 | 59.67648 | 26.23308 | 21.49692 | 46.72628 | 13.28288 | 25.36712 | 47.93863 | 14.49523 | 24.85477 | 40.73682 | 7.29342 | 22.51658 | 44.51651 | 11.07311 | 55.13689 |
| 6/20/2025 | 10:00:00 AM | 33.45009 | 59.68719 | 26.2371 | 21.4929 | 46.73969 | 13.2896 | 25.3604 | 47.9422 | 14.49211 | 24.85789 | 40.73682 | 7.28673 | 22.52327 | 44.51651 | 11.06642 | 55.14358 |
| 6/20/2025 | 11:00:00 AM | 33.45344 | 59.68005 | 26.22661 | 21.50339 | 46.75311 | 13.29967 | 25.35033 | 47.9422 | 14.48876 | 24.86124 | 40.73682 | 7.28338 | 22.52662 | 44.51651 | 11.06307 | 55.14693 |
| 6/20/2025 | 12:00:00 PM | 33.45009 | 59.68362 | 26.23353 | 21.49647 | 46.74975 | 13.29966 | 25.35034 | 47.9422 | 14.49211 | 24.85789 | 40.72608 | 7.27599 | 22.53401 | 44.51294 | 11.06285 | 55.14715 |
| 6/20/2025 | 1:00:00 PM | 33.43337 | 59.66576 | 26.23239 | 21.49761 | 46.74975 | 13.31638 | 25.33362 | 47.93507 | 14.5017 | 24.8483 | 40.71893 | 7.28556 | 22.52444 | 44.50222 | 11.06885 | 55.14115 |
| 6/20/2025 | 2:00:00 PM | 33.4434 | 59.68005 | 26.23665 | 21.49335 | 46.76317 | 13.31977 | 25.33023 | 47.9422 | 14.4988 | 24.8512 | 40.7225 | 7.2791 | 22.5309 | 44.51294 | 11.06954 | 55.14046 |
| 6/20/2025 | 3:00:00 PM | 33.44006 | 59.66576 | 26.2257 | 21.5043 | 46.76317 | 13.32311 | 25.32689 | 47.93863 | 14.49857 | 24.85143 | 40.71535 | 7.27529 | 22.53471 | 44.50222 | 11.06216 | 55.14784 |
| 6/20/2025 | 4:00:00 PM | 33.43672 | 59.66934 | 26.23262 | 21.49738 | 46.75311 | 13.31639 | 25.33361 | 47.93863 | 14.50191 | 24.84809 | 40.70819 | 7.27147 | 22.53853 | 44.50222 | 11.0655 | 55.1445 |
| 6/20/2025 | 5:00:00 PM | 33.44675 | 59.65862 | 26.21187 | 21.51813 | 46.75982 | 13.31307 | 25.33693 | 47.94576 | 14.49901 | 24.85099 | 40.71177 | 7.26502 | 22.54498 | 44.50579 | 11.05904 | 55.15096 |
| 6/20/2025 | 6:00:00 PM | 33.4434 | 59.66934 | 26.22594 | 21.50406 | 46.7464 | 13.303 | 25.347 | 47.95289 | 14.50949 | 24.84051 | 40.71535 | 7.27195 | 22.53805 | 44.50579 | 11.06239 | 55.14761 |
| 6/20/2025 | 7:00:00 PM | 33.45344 | 59.66934 | 26.2159 | 21.5141 | 46.7464 | 13.29296 | 25.35704 | 47.94933 | 14.49589 | 24.85411 | 40.71893 | 7.26549 | 22.54451 | 44.50222 | 11.04878 | 55.16122 |
| 6/20/2025 | 8:00:00 PM | 33.47016 | 59.68362 | 26.21346 | 21.51654 | 46.75311 | 13.28295 | 25.36705 | 47.96002 | 14.48986 | 24.86014 | 40.72608 | 7.25592 | 22.55408 | 44.51651 | 11.04635 | 55.16365 |
| 6/20/2025 | 9:00:00 PM | 33.46681 | 59.67291 | 26.2061 | 21.5239 | 46.72963 | 13.26282 | 25.38718 | 47.96359 | 14.49678 | 24.85322 | 40.71177 | 7.24496 | 22.56504 | 44.50937 | 11.04256 | 55.16744 |
| 6/20/2025 | 10:00:00 PM | 33.48353 | 59.68719 | 26.20366 | 21.52634 | 46.73969 | 13.25616 | 25.39384 | 47.96002 | 14.47649 | 24.87351 | 40.7225 | 7.23897 | 22.57103 | 44.52009 | 11.03656 | 55.17344 |
| 6/20/2025 | 11:00:00 PM | 33.4735 | 59.67648 | 26.20298 | 21.52702 | 46.73969 | 13.26619 | 25.38381 | 47.95289 | 14.47939 | 24.87061 | 40.71535 | 7.24185 | 22.56815 | 44.50937 | 11.03587 | 55.17413 |
| 6/21/2025 | 12:00:00 AM | 33.49022 | 59.68719 | 26.19697 | 21.53303 | 46.75311 | 13.26289 | 25.38711 | 47.97072 | 14.4805 | 24.8695 | 40.71893 | 7.22871 | 22.58129 | 44.50579 | 11.01557 | 55.19443 |
| 6/21/2025 | 1:00:00 AM | 33.49356 | 59.6979 | 26.20434 | 21.52566 | 46.77659 | 13.28303 | 25.36697 | 47.97785 | 14.48429 | 24.86571 | 40.7225 | 7.22894 | 22.58106 | 44.51651 | 11.02295 | 55.18705 |
| 6/21/2025 | 2:00:00 AM | 33.50694 | 59.70862 | 26.20168 | 21.52832 | 46.80006 | 13.29312 | 25.35688 | 47.98141 | 14.47447 | 24.87553 | 40.72966 | 7.22272 | 22.58728 | 44.52009 | 11.01315 | 55.19685 |
| 6/21/2025 | 3:00:00 AM | 33.50694 | 59.70504 | 26.1981 | 21.5319 | 46.80342 | 13.29648 | 25.35352 | 47.99211 | 14.48517 | 24.86483 | 40.73324 | 7.2263 | 22.5837 | 44.52366 | 11.01672 | 55.19328 |
| 6/21/2025 | 4:00:00 AM | 33.5036 | 59.71219 | 26.20859 | 21.52141 | 46.82354 | 13.31994 | 25.33006 | 47.99211 | 14.48851 | 24.86149 | 40.72608 | 7.22248 | 22.58752 | 44.50579 | 11.00219 | 55.20781 |
| 6/21/2025 | 5:00:00 AM | 33.51028 | 59.73004 | 26.21976 | 21.51024 | 46.83695 | 13.32667 | 25.32333 | 48.00637 | 14.49609 | 24.85391 | 40.73682 | 7.22654 | 22.58346 | 44.52366 | 11.01338 | 55.19662 |
| 6/21/2025 | 6:00:00 AM | 33.52032 | 59.73361 | 26.21329 | 21.51671 | 46.86714 | 13.34682 | 25.30318 | 48.02063 | 14.50031 | 24.84969 | 40.73682 | 7.2165 | 22.5935 | 44.52724 | 11.00692 | 55.20308 |
| 6/21/2025 | 7:00:00 AM | 33.52032 | 59.73361 | 26.21329 | 21.51671 | 46.88391 | 13.36359 | 25.28641 | 48.02063 | 14.50031 | 24.84969 | 40.73682 | 7.2165 | 22.5935 | 44.51651 | 10.99619 | 55.21381 |
| 6/21/2025 | 8:00:00 AM | 33.52032 | 59.74075 | 26.22043 | 21.50957 | 46.91074 | 13.39042 | 25.25958 | 48.02776 | 14.50744 | 24.84256 | 40.74039 | 7.22007 | 22.58993 | 44.52724 | 11.00692 | 55.20308 |
| 6/21/2025 | 9:00:00 AM | 33.53369 | 59.76218 | 26.22849 | 21.50151 | 46.94428 | 13.41059 | 25.23941 | 48.04202 | 14.50833 | 24.84167 | 40.75113 | 7.21744 | 22.59256 | 44.53796 | 11.00427 | 55.20573 |
| 6/21/2025 | 10:00:00 AM | 33.53369 | 59.75504 | 26.22135 | 21.50865 | 46.95434 | 13.42065 | 25.22935 | 48.04202 | 14.50833 | 24.84167 | 40.7547 | 7.22101 | 22.58899 | 44.52366 | 10.98997 | 55.22003 |
| 6/21/2025 | 11:00:00 AM | 33.55041 | 59.76218 | 26.21177 | 21.51823 | 46.98788 | 13.43747 | 25.21253 | 48.05272 | 14.50231 | 24.84769 | 40.75828 | 7.20787 | 22.60213 | 44.54153 | 10.99112 | 55.21888 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/21/2025 | 12:00:00 PM | 33.55376 | 59.77289 | 26.21913 | 21.51087 | 47.00465 | 13.45089 | 25.19911 | 48.07055 | 14.51679 | 24.83321 | 40.76544 | 7.21168 | 22.59832 | 44.54153 | 10.98777 | 55.22223 |
| 6/21/2025 | 1:00:00 PM | 33.56713 | 59.77646 | 26.20933 | 21.52067 | 47.02142 | 13.45429 | 25.19571 | 48.07411 | 14.50698 | 24.84302 | 40.76544 | 7.19831 | 22.61169 | 44.54153 | 10.9744 | 55.2356 |
| 6/21/2025 | 2:00:00 PM | 33.57382 | 59.78717 | 26.21335 | 21.51665 | 47.03148 | 13.45766 | 25.19234 | 48.08837 | 14.51455 | 24.83545 | 40.77259 | 7.19877 | 22.61123 | 44.53796 | 10.96414 | 55.24586 |
| 6/21/2025 | 3:00:00 PM | 33.58051 | 59.79432 | 26.21381 | 21.51619 | 47.0516 | 13.47109 | 25.17891 | 48.09907 | 14.51856 | 24.83144 | 40.77259 | 7.19208 | 22.61792 | 44.54511 | 10.9646 | 55.2454 |
| 6/21/2025 | 4:00:00 PM | 33.59054 | 59.80146 | 26.21092 | 21.51908 | 47.05831 | 13.46777 | 25.18223 | 48.10976 | 14.51922 | 24.83078 | 40.78691 | 7.19637 | 22.61363 | 44.55583 | 10.96529 | 55.24471 |
| 6/21/2025 | 5:00:00 PM | 33.60057 | 59.80503 | 26.20446 | 21.52554 | 47.06502 | 13.46445 | 25.18555 | 48.12046 | 14.51989 | 24.83011 | 40.79764 | 7.19707 | 22.61293 | 44.56298 | 10.96241 | 55.24759 |
| 6/21/2025 | 6:00:00 PM | 33.61395 | 59.81574 | 26.20179 | 21.52821 | 47.08179 | 13.46784 | 25.18216 | 48.14185 | 14.5279 | 24.8221 | 40.80479 | 7.19084 | 22.61916 | 44.5737 | 10.95975 | 55.25025 |
| 6/21/2025 | 7:00:00 PM | 33.62732 | 59.83003 | 26.20271 | 21.52729 | 47.09185 | 13.46453 | 25.18547 | 48.14898 | 14.52166 | 24.82834 | 40.81195 | 7.18463 | 22.62537 | 44.56655 | 10.93923 | 55.27077 |
| 6/21/2025 | 8:00:00 PM | 33.64404 | 59.84074 | 26.1967 | 21.5333 | 47.10527 | 13.46123 | 25.18877 | 48.16324 | 14.5192 | 24.8308 | 40.81911 | 7.17507 | 22.63493 | 44.5737 | 10.92966 | 55.28034 |
| 6/21/2025 | 9:00:00 PM | 33.63736 | 59.83003 | 26.19267 | 21.53733 | 47.11197 | 13.47461 | 25.17539 | 48.16681 | 14.52945 | 24.82055 | 40.82268 | 7.18532 | 22.62468 | 44.5737 | 10.93634 | 55.27366 |
| 6/21/2025 | 10:00:00 PM | 33.66745 | 59.86216 | 26.19471 | 21.53529 | 47.1321 | 13.46465 | 25.18535 | 48.1882 | 14.52075 | 24.82925 | 40.84057 | 7.17312 | 22.63688 | 44.58799 | 10.92054 | 55.28946 |
| 6/21/2025 | 11:00:00 PM | 33.68417 | 59.86216 | 26.17799 | 21.55201 | 47.15557 | 13.4714 | 25.1786 | 48.20603 | 14.52186 | 24.82814 | 40.85488 | 7.17071 | 22.63929 | 44.59871 | 10.91454 | 55.29546 |
| 6/22/2025 | 12:00:00 AM | 33.68417 | 59.8693 | 26.18513 | 21.54487 | 47.15557 | 13.4714 | 25.1786 | 48.20246 | 14.51829 | 24.83171 | 40.85131 | 7.16714 | 22.64286 | 44.59157 | 10.9074 | 55.3026 |
| 6/22/2025 | 1:00:00 AM | 33.70424 | 59.88359 | 26.17935 | 21.55065 | 47.1757 | 13.47146 | 25.17854 | 48.22385 | 14.51961 | 24.83039 | 40.86562 | 7.16138 | 22.64862 | 44.60229 | 10.89805 | 55.31195 |
| 6/22/2025 | 2:00:00 AM | 33.70758 | 59.89073 | 26.18315 | 21.54685 | 47.18576 | 13.47818 | 25.17182 | 48.22385 | 14.51627 | 24.83373 | 40.86562 | 7.15804 | 22.65196 | 44.60229 | 10.89471 | 55.31529 |
| 6/22/2025 | 3:00:00 AM | 33.71092 | 59.89787 | 26.18695 | 21.54305 | 47.19247 | 13.48155 | 25.16845 | 48.23455 | 14.52363 | 24.82637 | 40.87635 | 7.16543 | 22.64457 | 44.60586 | 10.89494 | 55.31506 |
| 6/22/2025 | 4:00:00 AM | 33.70758 | 59.88716 | 26.17958 | 21.55042 | 47.18911 | 13.48153 | 25.16847 | 48.23098 | 14.5234 | 24.8266 | 40.86919 | 7.16161 | 22.64839 | 44.59157 | 10.88399 | 55.32601 |
| 6/22/2025 | 5:00:00 AM | 33.72096 | 59.90858 | 26.18762 | 21.54238 | 47.20588 | 13.48492 | 25.16508 | 48.23811 | 14.51715 | 24.83285 | 40.88708 | 7.16612 | 22.64388 | 44.60229 | 10.88133 | 55.32867 |
| 6/22/2025 | 6:00:00 AM | 33.73768 | 59.9193 | 26.18162 | 21.54838 | 47.22265 | 13.48497 | 25.16503 | 48.26307 | 14.52539 | 24.82461 | 40.90139 | 7.16371 | 22.64629 | 44.61658 | 10.8789 | 55.3311 |
| 6/22/2025 | 7:00:00 AM | 33.75105 | 59.93358 | 26.18253 | 21.54747 | 47.23942 | 13.48837 | 25.16163 | 48.2702 | 14.51915 | 24.83085 | 40.90855 | 7.1575 | 22.6525 | 44.62731 | 10.87626 | 55.33374 |
| 6/22/2025 | 8:00:00 AM | 33.76777 | 59.94429 | 26.17652 | 21.55348 | 47.25619 | 13.48842 | 25.16158 | 48.28803 | 14.52026 | 24.82974 | 40.91928 | 7.15151 | 22.65849 | 44.63088 | 10.86311 | 55.34689 |
| 6/22/2025 | 9:00:00 AM | 33.7778 | 59.94429 | 26.16649 | 21.56351 | 47.26625 | 13.48845 | 25.16155 | 48.29516 | 14.51736 | 24.83264 | 40.92286 | 7.14506 | 22.66494 | 44.63445 | 10.85665 | 55.35335 |
| 6/22/2025 | 10:00:00 AM | 33.78115 | 59.96215 | 26.181 | 21.549 | 47.26961 | 13.48846 | 25.16154 | 48.30585 | 14.5247 | 24.8253 | 40.93717 | 7.15602 | 22.65398 | 44.64518 | 10.86403 | 55.34597 |
| 6/22/2025 | 11:00:00 AM | 33.78784 | 59.95858 | 26.17074 | 21.55926 | 47.27631 | 13.48847 | 25.16153 | 48.32011 | 14.53227 | 24.81773 | 40.94433 | 7.15649 | 22.65351 | 44.6416 | 10.85376 | 55.35624 |
| 6/22/2025 | 12:00:00 PM | 33.80456 | 59.97643 | 26.17187 | 21.55813 | 47.29308 | 13.48852 | 25.16148 | 48.32725 | 14.52269 | 24.82731 | 40.95148 | 7.14692 | 22.66308 | 44.64875 | 10.84419 | 55.36581 |
| 6/22/2025 | 1:00:00 PM | 33.80456 | 59.98714 | 26.18258 | 21.54742 | 47.3065 | 13.50194 | 25.14806 | 48.33794 | 14.53338 | 24.81662 | 40.95506 | 7.1505 | 22.6595 | 44.65947 | 10.85491 | 55.35509 |
| 6/22/2025 | 2:00:00 PM | 33.8079 | 59.98 | 26.1721 | 21.5579 | 47.29979 | 13.49189 | 25.15811 | 48.32725 | 14.51935 | 24.83065 | 40.95864 | 7.15074 | 22.65926 | 44.64875 | 10.84085 | 55.36915 |
| 6/22/2025 | 3:00:00 PM | 33.80456 | 59.98357 | 26.17901 | 21.55099 | 47.29644 | 13.49188 | 25.15812 | 48.33081 | 14.52625 | 24.82375 | 40.95864 | 7.15408 | 22.65592 | 44.6416 | 10.83704 | 55.37296 |
| 6/22/2025 | 4:00:00 PM | 33.80456 | 59.99071 | 26.18615 | 21.54385 | 47.29644 | 13.49188 | 25.15812 | 48.33794 | 14.53338 | 24.81662 | 40.96579 | 7.16123 | 22.64877 | 44.64875 | 10.84419 | 55.36581 |
| 6/22/2025 | 5:00:00 PM | 33.80121 | 59.98357 | 26.18236 | 21.54764 | 47.28638 | 13.48517 | 25.16483 | 48.33438 | 14.53317 | 24.81683 | 40.96937 | 7.16816 | 22.64184 | 44.64518 | 10.84397 | 55.36603 |
| 6/22/2025 | 6:00:00 PM | 33.79452 | 59.96929 | 26.17477 | 21.55523 | 47.26961 | 13.47509 | 25.17491 | 48.33438 | 14.53986 | 24.81014 | 40.96222 | 7.1677 | 22.6423 | 44.64875 | 10.85423 | 55.35577 |
| 6/22/2025 | 7:00:00 PM | 33.80456 | 59.99071 | 26.18615 | 21.54385 | 47.27967 | 13.47511 | 25.17489 | 48.34151 | 14.53695 | 24.81305 | 40.98011 | 7.17555 | 22.63445 | 44.65947 | 10.85491 | 55.35509 |
| 6/22/2025 | 8:00:00 PM | 33.80121 | 59.98714 | 26.18593 | 21.54407 | 47.27967 | 13.47846 | 25.17154 | 48.33794 | 14.53673 | 24.81327 | 40.98011 | 7.1789 | 22.6311 | 44.65232 | 10.85111 | 55.35889 |
| 6/22/2025 | 9:00:00 PM | 33.80456 | 59.98357 | 26.17901 | 21.55099 | 47.27296 | 13.4684 | 25.1816 | 48.33794 | 14.53338 | 24.81662 | 40.98368 | 7.17912 | 22.63088 | 44.66304 | 10.85848 | 55.35152 |
| 6/22/2025 | 10:00:00 PM | 33.80456 | 59.98714 | 26.18258 | 21.54742 | 47.27631 | 13.47175 | 25.17825 | 48.34151 | 14.53695 | 24.81305 | 40.98011 | 7.17555 | 22.63445 | 44.65947 | 10.85491 | 55.35509 |
| 6/22/2025 | 11:00:00 PM | 33.80121 | 59.98714 | 26.18593 | 21.54407 | 47.27967 | 13.47846 | 25.17154 | 48.33794 | 14.53673 | 24.81327 | 40.97653 | 7.17532 | 22.63468 | 44.67019 | 10.86898 | 55.34102 |
| 6/23/2025 | 12:00:00 AM | 33.80456 | 59.99429 | 26.18973 | 21.54027 | 47.27631 | 13.47175 | 25.17825 | 48.32725 | 14.52269 | 24.82731 | 40.98726 | 7.1827 | 22.6273 | 44.65947 | 10.85491 | 55.35509 |
| 6/23/2025 | 1:00:00 AM | 33.80121 | 59.99071 | 26.1895 | 21.5405 | 47.27296 | 13.47175 | 25.17825 | 48.33081 | 14.5296 | 24.8204 | 40.98011 | 7.1789 | 22.6311 | 44.66304 | 10.86183 | 55.34817 |
| 6/23/2025 | 2:00:00 AM | 33.78784 | 59.98357 | 26.19573 | 21.53427 | 47.26961 | 13.48177 | 25.16823 | 48.30942 | 14.52158 | 24.82842 | 40.97653 | 7.18869 | 22.62131 | 44.6559 | 10.86806 | 55.34194 |
| 6/23/2025 | 3:00:00 AM | 33.77112 | 59.97286 | 26.20174 | 21.52826 | 47.26625 | 13.49513 | 25.15487 | 48.30585 | 14.53473 | 24.81527 | 40.96937 | 7.19825 | 22.61175 | 44.65232 | 10.8812 | 55.3288 |
| 6/23/2025 | 4:00:00 AM | 33.77112 | 59.97286 | 26.20174 | 21.52826 | 47.26961 | 13.49849 | 25.15151 | 48.30942 | 14.5383 | 24.8117 | 40.97295 | 7.20183 | 22.60817 | 44.6559 | 10.88478 | 55.32522 |
| 6/23/2025 | 5:00:00 AM | 33.76777 | 59.96572 | 26.19795 | 21.53205 | 47.25619 | 13.48842 | 25.16158 | 48.30229 | 14.53452 | 24.81548 | 40.96937 | 7.2016 | 22.6084 | 44.6559 | 10.88813 | 55.32187 |
| 6/23/2025 | 6:00:00 AM | 33.76443 | 59.97286 | 26.20843 | 21.52157 | 47.25619 | 13.49176 | 25.15824 | 48.29872 | 14.53429 | 24.81571 | 40.97653 | 7.2121 | 22.5979 | 44.65947 | 10.89504 | 55.31496 |
| 6/23/2025 | 7:00:00 AM | 33.76443 | 59.96215 | 26.19772 | 21.53228 | 47.24948 | 13.48505 | 25.16495 | 48.29516 | 14.53073 | 24.81927 | 40.96937 | 7.20494 | 22.60506 | 44.65947 | 10.89504 | 55.31496 |
| 6/23/2025 | 8:00:00 AM | 33.7544 | 59.96572 | 26.21132 | 21.51868 | 47.24948 | 13.49508 | 25.15492 | 48.30229 | 14.54789 | 24.80211 | 40.96222 | 7.20782 | 22.60218 | 44.65232 | 10.89792 | 55.31208 |
| 6/23/2025 | 9:00:00 AM | 33.74102 | 59.94786 | 26.20684 | 21.52316 | 47.23942 | 13.4984 | 25.1516 | 48.29159 | 14.55057 | 24.79943 | 40.95864 | 7.21762 | 22.59238 | 44.65232 | 10.9113 | 55.2987 |
| 6/23/2025 | 10:00:00 AM | 33.73433 | 59.94429 | 26.20996 | 21.52004 | 47.22601 | 13.49168 | 25.15832 | 48.2702 | 14.53587 | 24.81413 | 40.94075 | 7.20642 | 22.60358 | 44.63803 | 10.9037 | 55.3063 |
| 6/23/2025 | 11:00:00 AM | 33.7243 | 59.93715 | 26.21285 | 21.51715 | 47.2193 | 13.495 | 25.155 | 48.26307 | 14.53877 | 24.81123 | 40.94075 | 7.21645 | 22.59355 | 44.63803 | 10.91373 | 55.29627 |
| 6/23/2025 | 12:00:00 PM | 33.70424 | 59.92287 | 26.21863 | 21.51137 | 47.20588 | 13.50164 | 25.14836 | 48.26307 | 14.55883 | 24.79117 | 40.93717 | 7.23293 | 22.57707 | 44.63803 | 10.93379 | 55.27621 |
| 6/23/2025 | 1:00:00 PM | 33.69755 | 59.90501 | 26.20746 | 21.52254 | 47.17234 | 13.47479 | 25.17521 | 48.23455 | 14.537 | 24.813 | 40.92286 | 7.22531 | 22.58469 | 44.62373 | 10.92618 | 55.28382 |
| 6/23/2025 | 2:00:00 PM | 33.68083 | 59.89787 | 26.21704 | 21.51296 | 47.14551 | 13.46468 | 25.18532 | 48.22029 | 14.53946 | 24.81054 | 40.91571 | 7.23488 | 22.57512 | 44.61658 | 10.93575 | 55.27425 |
| 6/23/2025 | 3:00:00 PM | 33.66411 | 59.88359 | 26.21948 | 21.51052 | 47.11533 | 13.45122 | 25.19878 | 48.20603 | 14.54192 | 24.80808 | 40.91213 | 7.24802 | 22.56198 | 44.61658 | 10.95247 | 55.25753 |
| 6/23/2025 | 4:00:00 PM | 33.65408 | 59.87645 | 26.22237 | 21.50763 | 47.08179 | 13.42771 | 25.22229 | 48.19177 | 14.53769 | 24.81231 | 40.89424 | 7.24016 | 22.56984 | 44.60944 | 10.95536 | 55.25464 |
| 6/23/2025 | 5:00:00 PM | 33.63401 | 59.85502 | 26.22101 | 21.50899 | 47.04825 | 13.41424 | 25.23576 | 48.18107 | 14.54706 | 24.80294 | 40.88708 | 7.25307 | 22.55693 | 44.60229 | 10.96828 | 55.24172 |
| 6/23/2025 | 6:00:00 PM | 33.61395 | 59.84074 | 26.22679 | 21.50321 | 47.01806 | 13.40411 | 25.24589 | 48.15968 | 14.54573 | 24.80427 | 40.87277 | 7.25882 | 22.55118 | 44.58442 | 10.97047 | 55.23953 |
| 6/23/2025 | 7:00:00 PM | 33.60392 | 59.81931 | 26.21539 | 21.51461 | 46.99123 | 13.38731 | 25.26269 | 48.13829 | 14.53437 | 24.81563 | 40.86919 | 7.26527 | 22.54473 | 44.59871 | 10.99479 | 55.21521 |
| 6/23/2025 | 8:00:00 PM | 33.60057 | 59.82645 | 26.22588 | 21.50412 | 46.96776 | 13.36719 | 25.28281 | 48.12402 | 14.52345 | 24.82655 | 40.86204 | 7.26147 | 22.54853 | 44.59514 | 10.99457 | 55.21543 |
| 6/23/2025 | 9:00:00 PM | 33.59723 | 59.82288 | 26.22565 | 21.50435 | 46.95769 | 13.36046 | 25.28954 | 48.12402 | 14.52679 | 24.82321 | 40.85846 | 7.26123 | 22.54877 | 44.60586 | 11.00863 | 55.20137 |
| 6/23/2025 | 10:00:00 PM | 33.62064 | 59.83717 | 26.21653 | 21.51347 | 46.97446 | 13.35382 | 25.29618 | 48.13829 | 14.51765 | 24.83235 | 40.86919 | 7.24855 | 22.56145 | 44.62731 | 11.00667 | 55.20333 |
| 6/23/2025 | 11:00:00 PM | 33.62064 | 59.8336 | 26.21296 | 21.51704 | 46.98117 | 13.36053 | 25.28947 | 48.14542 | 14.52478 | 24.82522 | 40.86562 | 7.24498 | 22.56502 | 44.62731 | 11.00667 | 55.20333 |
| 6/24/2025 | 12:00:00 AM | 33.62064 | 59.8336 | 26.21296 | 21.51704 | 46.98788 | 13.36724 | 25.28276 | 48.13829 | 14.51765 | 24.83235 | 40.85131 | 7.23067 | 22.57933 | 44.62731 | 11.00667 | 55.20333 |
| 6/24/2025 | 1:00:00 AM | 33.61395 | 59.81931 | 26.20536 | 21.52464 | 46.98453 | 13.37058 | 25.27942 | 48.12759 | 14.51364 | 24.83636 | 40.84057 | 7.22662 | 22.58338 | 44.61301 | 10.99906 | 55.21094 |
| 6/24/2025 | 2:00:00 AM | 33.60726 | 59.82288 | 26.21562 | 21.51438 | 46.97782 | 13.37056 | 25.27944 | 48.11333 | 14.50607 | 24.84393 | 40.83342 | 7.22616 | 22.58384 | 44.60229 | 10.99503 | 55.21497 |
| 6/24/2025 | 3:00:00 AM | 33.60392 | 59.81931 | 26.21539 | 21.51461 | 46.99123 | 13.38731 | 25.26269 | 48.1062 | 14.50228 | 24.84772 | 40.83699 | 7.23307 | 22.57693 | 44.60586 | 11.00194 | 55.20806 |
| 6/24/2025 | 4:00:00 AM | 33.59388 | 59.81217 | 26.21829 | 21.51171 | 46.98453 | 13.39065 | 25.25935 | 48.09907 | 14.50519 | 24.84481 | 40.82984 | 7.23596 | 22.57404 | 44.59514 | 11.00126 | 55.20874 |
| 6/24/2025 | 5:00:00 AM | 33.58385 | 59.81574 | 26.23189 | 21.49811 | 46.99123 | 13.40738 | 25.24262 | 48.10263 | 14.51878 | 24.83122 | 40.81911 | 7.23526 | 22.57474 | 44.59157 | 11.00772 | 55.20228 |
| 6/24/2025 | 6:00:00 AM | 33.60392 | 59.81574 | 26.21182 | 21.51818 | 47.00465 | 13.40073 | 25.24927 | 48.10976 | 14.50584 | 24.84416 | 40.82268 | 7.21876 | 22.59124 | 44.60229 | 10.99837 | 55.21163 |
| 6/24/2025 | 7:00:00 AM | 33.59388 | 59.81217 | 26.21829 | 21.51171 | 47.00465 | 13.41077 | 25.23923 | 48.10976 | 14.51588 | 24.83412 | 40.81911 | 7.22523 | 22.58477 | 44.59871 | 11.00483 | 55.20517 |
| 6/24/2025 | 8:00:00 AM | 33.60392 | 59.81574 | 26.21182 | 21.51818 | 47.01471 | 13.41079 | 25.23921 | 48.10263 | 14.49871 | 24.85129 | 40.82268 | 7.21876 | 22.59124 | 44.60229 | 10.99837 | 55.21163 |
| 6/24/2025 | 9:00:00 AM | 33.60392 | 59.81931 | 26.21539 | 21.51461 | 47.02477 | 13.42085 | 25.22915 | 48.10976 | 14.50584 | 24.84416 | 40.81553 | 7.21161 | 22.59839 | 44.59871 | 10.99479 | 55.21521 |
| 6/24/2025 | 10:00:00 AM | 33.59054 | 59.8086 | 26.21806 | 21.51194 | 47.01136 | 13.42082 | 25.22918 | 48.0955 | 14.50496 | 24.84504 | 40.81195 | 7.22141 | 22.58859 | 44.58442 | 10.99388 | 55.21612 |
| 6/24/2025 | 11:00:00 AM | 33.58051 | 59.79789 | 26.21738 | 21.51262 | 47.01136 | 13.43085 | 25.21915 | 48.09194 | 14.51143 | 24.83857 | 40.80122 | 7.22071 | 22.58929 | 44.57727 | 10.99676 | 55.21324 |
| 6/24/2025 | 12:00:00 PM | 33.58385 | 59.79789 | 26.21404 | 21.51596 | 47.00465 | 13.4208 | 25.2292 | 48.0955 | 14.51165 | 24.83835 | 40.80479 | 7.22094 | 22.58906 | 44.5737 | 10.98985 | 55.22015 |
| 6/24/2025 | 1:00:00 PM | 33.57716 | 59.78717 | 26.21001 | 21.51999 | 46.98453 | 13.40737 | 25.24263 | 48.08124 | 14.50408 | 24.84592 | 40.79406 | 7.2169 | 22.5931 | 44.5737 | 10.99654 | 55.21346 |
| 6/24/2025 | 2:00:00 PM | 33.56044 | 59.76575 | 26.20531 | 21.52469 | 46.95434 | 13.3939 | 25.2561 | 48.07055 | 14.51011 | 24.83989 | 40.78691 | 7.22647 | 22.58353 | 44.56298 | 11.00254 | 55.20746 |
| 6/24/2025 | 3:00:00 PM | 33.55376 | 59.76218 | 26.20842 | 21.52158 | 46.94093 | 13.38717 | 25.26283 | 48.05985 | 14.50609 | 24.84391 | 40.78691 | 7.23315 | 22.57685 | 44.56298 | 11.00922 | 55.20078 |
| 6/24/2025 | 4:00:00 PM | 33.56044 | 59.76218 | 26.20174 | 21.52826 | 46.9208 | 13.36036 | 25.28964 | 48.06342 | 14.50298 | 24.84702 | 40.77975 | 7.21931 | 22.59069 | 44.56655 | 11.00611 | 55.20389 |
| 6/24/2025 | 5:00:00 PM | 33.5571 | 59.75504 | 26.19794 | 21.53206 | 46.89397 | 13.33687 | 25.31313 | 48.05628 | 14.49918 | 24.85082 | 40.78333 | 7.22623 | 22.58377 | 44.57012 | 11.01302 | 55.19698 |
| 6/24/2025 | 6:00:00 PM | 33.55041 | 59.75861 | 26.2082 | 21.5218 | 46.87385 | 13.32344 | 25.32656 | 48.04202 | 14.49161 | 24.85839 | 40.77259 | 7.22218 | 22.58782 | 44.55583 | 11.00542 | 55.20458 |
| 6/24/2025 | 7:00:00 PM | 33.54707 | 59.75147 | 26.2044 | 21.5256 | 46.85708 | 13.31001 | 25.33999 | 48.04202 | 14.49495 | 24.85505 | 40.77259 | 7.22552 | 22.58448 | 44.56655 | 11.01948 | 55.19052 |
| 6/24/2025 | 8:00:00 PM | 33.55376 | 59.74432 | 26.19056 | 21.53944 | 46.85372 | 13.29996 | 25.35004 | 48.04915 | 14.49539 | 24.85461 | 40.77617 | 7.22241 | 22.58759 | 44.57012 | 11.01636 | 55.19364 |
| 6/24/2025 | 9:00:00 PM | 33.57716 | 59.75861 | 26.18145 | 21.54855 | 46.86714 | 13.28998 | 25.36002 | 48.06698 | 14.48982 | 24.86018 | 40.78333 | 7.20617 | 22.60383 | 44.59514 | 11.01798 | 55.19202 |
| 6/24/2025 | 10:00:00 PM | 33.59054 | 59.77289 | 26.18235 | 21.54765 | 46.88056 | 13.29002 | 25.35998 | 48.06342 | 14.47288 | 24.87712 | 40.78333 | 7.19279 | 22.61721 | 44.59514 | 11.0046 | 55.2054 |
| 6/24/2025 | 11:00:00 PM | 33.58051 | 59.76218 | 26.18167 | 21.54833 | 46.8772 | 13.29669 | 25.35331 | 48.05985 | 14.47934 | 24.87066 | 40.77259 | 7.19208 | 22.61792 | 44.57727 | 10.99676 | 55.21324 |
| 6/25/2025 | 12:00:00 AM | 33.59054 | 59.76575 | 26.17521 | 21.55479 | 46.89062 | 13.30008 | 25.34992 | 48.06342 | 14.47288 | 24.87712 | 40.78333 | 7.19279 | 22.61721 | 44.58442 | 10.99388 | 55.21612 |
| 6/25/2025 | 1:00:00 AM | 33.59723 | 59.77646 | 26.17923 | 21.55077 | 46.90739 | 13.31016 | 25.33984 | 48.06698 | 14.46975 | 24.88025 | 40.78333 | 7.1861 | 22.6239 | 44.58084 | 10.98361 | 55.22639 |
| 6/25/2025 | 2:00:00 AM | 33.60392 | 59.79432 | 26.1904 | 21.5396 | 46.92751 | 13.32359 | 25.32641 | 48.07055 | 14.46663 | 24.88337 | 40.79406 | 7.19014 | 22.61986 | 44.59514 | 10.99122 | 55.21878 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/25/2025 | 3:00:00 AM | 33.61729 | 59.79432 | 26.17703 | 21.55297 | 46.94428 | 13.32699 | 25.32301 | 48.08481 | 14.46752 | 24.88248 | 40.79764 | 7.18035 | 22.62965 | 44.60229 | 10.985 | 55.225 |
| 6/25/2025 | 4:00:00 AM | 33.62064 | 59.79789 | 26.17725 | 21.55275 | 46.95099 | 13.33035 | 25.31965 | 48.08481 | 14.46417 | 24.88583 | 40.79048 | 7.16984 | 22.64016 | 44.59514 | 10.9745 | 55.2355 |
| 6/25/2025 | 5:00:00 AM | 33.63067 | 59.81217 | 26.1815 | 21.5485 | 46.97446 | 13.34379 | 25.30621 | 48.09194 | 14.46127 | 24.88873 | 40.80837 | 7.1777 | 22.6323 | 44.59871 | 10.96804 | 55.24196 |
| 6/25/2025 | 6:00:00 AM | 33.64739 | 59.82645 | 26.17906 | 21.55094 | 47.0013 | 13.35391 | 25.29609 | 48.1062 | 14.45881 | 24.89119 | 40.81553 | 7.16814 | 22.64186 | 44.60229 | 10.9549 | 55.2551 |
| 6/25/2025 | 7:00:00 AM | 33.66745 | 59.84074 | 26.17329 | 21.55671 | 47.02142 | 13.35397 | 25.29603 | 48.12046 | 14.45301 | 24.89699 | 40.82984 | 7.16239 | 22.64761 | 44.61658 | 10.94913 | 55.26087 |
| 6/25/2025 | 8:00:00 AM | 33.67748 | 59.85145 | 26.17397 | 21.55603 | 47.0449 | 13.36742 | 25.28258 | 48.14542 | 14.46794 | 24.88206 | 40.83342 | 7.15594 | 22.65406 | 44.62016 | 10.94268 | 55.26732 |
| 6/25/2025 | 9:00:00 AM | 33.68083 | 59.84788 | 26.16705 | 21.56295 | 47.04825 | 13.36742 | 25.28258 | 48.14185 | 14.46102 | 24.88898 | 40.82984 | 7.14901 | 22.66099 | 44.62016 | 10.93933 | 55.27067 |
| 6/25/2025 | 10:00:00 AM | 33.68752 | 59.86573 | 26.17821 | 21.55179 | 47.05831 | 13.37079 | 25.27921 | 48.15611 | 14.46859 | 24.88141 | 40.84415 | 7.15663 | 22.65337 | 44.62016 | 10.93264 | 55.27736 |
| 6/25/2025 | 11:00:00 AM | 33.69086 | 59.85859 | 26.16773 | 21.56227 | 47.06166 | 13.3708 | 25.2792 | 48.15611 | 14.46525 | 24.88475 | 40.84415 | 7.15329 | 22.65671 | 44.61658 | 10.92572 | 55.28428 |
| 6/25/2025 | 12:00:00 PM | 33.6942 | 59.85502 | 26.16082 | 21.56918 | 47.06837 | 13.37417 | 25.27583 | 48.15611 | 14.46191 | 24.88809 | 40.84415 | 7.14995 | 22.66005 | 44.60944 | 10.91524 | 55.29476 |
| 6/25/2025 | 1:00:00 PM | 33.68417 | 59.84788 | 26.16371 | 21.56629 | 47.05831 | 13.37414 | 25.27586 | 48.15611 | 14.47194 | 24.87806 | 40.84057 | 7.1564 | 22.6536 | 44.59514 | 10.91097 | 55.29903 |
| 6/25/2025 | 2:00:00 PM | 33.68083 | 59.84431 | 26.16348 | 21.56652 | 47.06166 | 13.38083 | 25.26917 | 48.14542 | 14.46459 | 24.88541 | 40.84057 | 7.15974 | 22.65026 | 44.60229 | 10.92146 | 55.28854 |
| 6/25/2025 | 3:00:00 PM | 33.67748 | 59.84431 | 26.16683 | 21.56317 | 47.0449 | 13.36742 | 25.28258 | 48.13472 | 14.45724 | 24.89276 | 40.84415 | 7.16667 | 22.64333 | 44.58799 | 10.91051 | 55.29949 |
| 6/25/2025 | 4:00:00 PM | 33.66745 | 59.8336 | 26.16615 | 21.56385 | 47.02813 | 13.36068 | 25.28932 | 48.12759 | 14.46014 | 24.88986 | 40.84415 | 7.1767 | 22.6333 | 44.58799 | 10.92054 | 55.28946 |
| 6/25/2025 | 5:00:00 PM | 33.66076 | 59.82288 | 26.16212 | 21.56788 | 47.0013 | 13.34054 | 25.30946 | 48.12046 | 14.4597 | 24.8903 | 40.83342 | 7.17266 | 22.63734 | 44.5737 | 10.91294 | 55.29706 |
| 6/25/2025 | 6:00:00 PM | 33.64404 | 59.8086 | 26.16456 | 21.56544 | 46.97111 | 13.32707 | 25.32293 | 48.11333 | 14.46929 | 24.88071 | 40.81911 | 7.17507 | 22.63493 | 44.5737 | 10.92966 | 55.28034 |
| 6/25/2025 | 7:00:00 PM | 33.6407 | 59.8086 | 26.1679 | 21.5621 | 46.95099 | 13.31029 | 25.33971 | 48.10263 | 14.46193 | 24.88807 | 40.82626 | 7.18556 | 22.62444 | 44.58084 | 10.94014 | 55.26986 |
| 6/25/2025 | 8:00:00 PM | 33.64739 | 59.81574 | 26.16835 | 21.56165 | 46.93757 | 13.29018 | 25.35982 | 48.10263 | 14.45524 | 24.89476 | 40.83699 | 7.1896 | 22.6204 | 44.59514 | 10.94775 | 55.26225 |
| 6/25/2025 | 9:00:00 PM | 33.65742 | 59.81931 | 26.16189 | 21.56811 | 46.94093 | 13.28351 | 25.36649 | 48.10263 | 14.44521 | 24.90479 | 40.83342 | 7.176 | 22.634 | 44.59514 | 10.93772 | 55.27228 |
| 6/25/2025 | 10:00:00 PM | 33.66076 | 59.83003 | 26.16927 | 21.56073 | 46.95099 | 13.29023 | 25.35977 | 48.12046 | 14.4597 | 24.8903 | 40.84057 | 7.17981 | 22.63019 | 44.60944 | 10.94868 | 55.26132 |
| 6/25/2025 | 11:00:00 PM | 33.66411 | 59.82288 | 26.15877 | 21.57123 | 46.94763 | 13.28352 | 25.36648 | 48.11689 | 14.45278 | 24.89722 | 40.83699 | 7.17288 | 22.63712 | 44.60586 | 10.94175 | 55.26825 |
| 6/26/2025 | 12:00:00 AM | 33.66745 | 59.8336 | 26.16615 | 21.56385 | 46.95769 | 13.29024 | 25.35976 | 48.1062 | 14.43875 | 24.91125 | 40.83699 | 7.16954 | 22.64046 | 44.60229 | 10.93484 | 55.27516 |
| 6/26/2025 | 1:00:00 AM | 33.66411 | 59.83717 | 26.17306 | 21.55694 | 46.9644 | 13.30029 | 25.34971 | 48.11333 | 14.44922 | 24.90078 | 40.83342 | 7.16931 | 22.64069 | 44.60586 | 10.94175 | 55.26825 |
| 6/26/2025 | 2:00:00 AM | 33.65073 | 59.81574 | 26.16501 | 21.56499 | 46.96105 | 13.31032 | 25.33968 | 48.0955 | 14.44477 | 24.90523 | 40.82626 | 7.17553 | 22.63447 | 44.59157 | 10.94084 | 55.26916 |
| 6/26/2025 | 3:00:00 AM | 33.66076 | 59.82288 | 26.16212 | 21.56788 | 46.97446 | 13.3137 | 25.3363 | 48.1062 | 14.44544 | 24.90456 | 40.83342 | 7.17266 | 22.63734 | 44.60229 | 10.94153 | 55.26847 |
| 6/26/2025 | 4:00:00 AM | 33.65408 | 59.83003 | 26.17595 | 21.55405 | 46.98117 | 13.32709 | 25.32291 | 48.0955 | 14.44142 | 24.90858 | 40.82984 | 7.17576 | 22.63424 | 44.59871 | 10.94463 | 55.26537 |
| 6/26/2025 | 5:00:00 AM | 33.65742 | 59.8336 | 26.17618 | 21.55382 | 46.98453 | 13.32711 | 25.32289 | 48.10976 | 14.45234 | 24.89766 | 40.83699 | 7.17957 | 22.63043 | 44.60944 | 10.95202 | 55.25798 |
| 6/26/2025 | 6:00:00 AM | 33.66411 | 59.84074 | 26.17663 | 21.55337 | 47.0013 | 13.33719 | 25.31281 | 48.1062 | 14.44209 | 24.90791 | 40.83699 | 7.17288 | 22.63712 | 44.60586 | 10.94175 | 55.26825 |
| 6/26/2025 | 7:00:00 AM | 33.65742 | 59.8336 | 26.17618 | 21.55382 | 47.0013 | 13.34388 | 25.30612 | 48.10976 | 14.45234 | 24.89766 | 40.83342 | 7.176 | 22.634 | 44.60586 | 10.94844 | 55.26156 |
| 6/26/2025 | 8:00:00 AM | 33.66076 | 59.84074 | 26.17998 | 21.55002 | 47.008 | 13.34724 | 25.30276 | 48.10976 | 14.449 | 24.901 | 40.83699 | 7.17623 | 22.63377 | 44.60229 | 10.94153 | 55.26847 |
| 6/26/2025 | 9:00:00 AM | 33.66076 | 59.83717 | 26.17641 | 21.55359 | 47.02142 | 13.36066 | 25.28934 | 48.10976 | 14.449 | 24.901 | 40.82984 | 7.16908 | 22.64092 | 44.60944 | 10.94868 | 55.26132 |
| 6/26/2025 | 10:00:00 AM | 33.64739 | 59.83003 | 26.18264 | 21.54736 | 47.008 | 13.36061 | 25.28939 | 48.0955 | 14.44811 | 24.90189 | 40.82626 | 7.17887 | 22.63113 | 44.59514 | 10.94775 | 55.26225 |
| 6/26/2025 | 11:00:00 AM | 33.64404 | 59.81574 | 26.1717 | 21.5583 | 47.00465 | 13.36061 | 25.28939 | 48.09907 | 14.45503 | 24.89497 | 40.82984 | 7.1858 | 22.6242 | 44.59514 | 10.9511 | 55.2589 |
| 6/26/2025 | 12:00:00 PM | 33.64739 | 59.8336 | 26.18621 | 21.54379 | 47.0013 | 13.35391 | 25.29609 | 48.0955 | 14.44811 | 24.90189 | 40.82626 | 7.17887 | 22.63113 | 44.59871 | 10.95132 | 55.25868 |
| 6/26/2025 | 1:00:00 PM | 33.63401 | 59.81217 | 26.17816 | 21.55184 | 46.98453 | 13.35052 | 25.29948 | 48.09194 | 14.45793 | 24.89207 | 40.81553 | 7.18152 | 22.62848 | 44.58799 | 10.95398 | 55.25602 |
| 6/26/2025 | 2:00:00 PM | 33.61395 | 59.79789 | 26.18394 | 21.54606 | 46.96105 | 13.3471 | 25.3029 | 48.05985 | 14.4459 | 24.9041 | 40.80479 | 7.19084 | 22.61916 | 44.56655 | 10.9526 | 55.2574 |
| 6/26/2025 | 3:00:00 PM | 33.61395 | 59.79075 | 26.1768 | 21.5532 | 46.94428 | 13.33033 | 25.31967 | 48.06342 | 14.44947 | 24.90053 | 40.80479 | 7.19084 | 22.61916 | 44.5737 | 10.95975 | 55.25025 |
| 6/26/2025 | 4:00:00 PM | 33.60057 | 59.78003 | 26.17946 | 21.55054 | 46.92751 | 13.32694 | 25.32306 | 48.04559 | 14.44502 | 24.90498 | 40.79764 | 7.19707 | 22.61293 | 44.5594 | 10.95883 | 55.25117 |
| 6/26/2025 | 5:00:00 PM | 33.60392 | 59.77646 | 26.17254 | 21.55746 | 46.91074 | 13.30682 | 25.34318 | 48.05272 | 14.4488 | 24.9012 | 40.79406 | 7.19014 | 22.61986 | 44.5737 | 10.96978 | 55.24022 |
| 6/26/2025 | 6:00:00 PM | 33.61395 | 59.78717 | 26.17322 | 21.55678 | 46.90739 | 13.29344 | 25.35656 | 48.06342 | 14.44947 | 24.90053 | 40.80479 | 7.19084 | 22.61916 | 44.59157 | 10.97762 | 55.23238 |
| 6/26/2025 | 7:00:00 PM | 33.60726 | 59.78003 | 26.17277 | 21.55723 | 46.88726 | 13.28 | 25.37 | 48.05272 | 14.44546 | 24.90454 | 40.79406 | 7.1868 | 22.6232 | 44.58084 | 10.97358 | 55.23642 |
| 6/26/2025 | 8:00:00 PM | 33.60057 | 59.78003 | 26.17946 | 21.55054 | 46.8772 | 13.27663 | 25.37337 | 48.04915 | 14.44858 | 24.90142 | 40.79048 | 7.18991 | 22.62009 | 44.59157 | 10.991 | 55.219 |
| 6/26/2025 | 9:00:00 PM | 33.60057 | 59.79432 | 26.19375 | 21.53625 | 46.88726 | 13.28669 | 25.36331 | 48.05272 | 14.45215 | 24.89785 | 40.78333 | 7.18276 | 22.62724 | 44.58084 | 10.98027 | 55.22973 |
| 6/26/2025 | 10:00:00 PM | 33.6106 | 59.78717 | 26.17657 | 21.55343 | 46.90068 | 13.29008 | 25.35992 | 48.05272 | 14.44212 | 24.90788 | 40.78691 | 7.17631 | 22.63369 | 44.59514 | 10.98454 | 55.22546 |
| 6/26/2025 | 11:00:00 PM | 33.60726 | 59.78717 | 26.17991 | 21.55009 | 46.90403 | 13.29677 | 25.35323 | 48.04559 | 14.43833 | 24.91167 | 40.79048 | 7.18322 | 22.62678 | 44.58799 | 10.98073 | 55.22927 |
| 6/27/2025 | 12:00:00 AM | 33.61395 | 59.79432 | 26.18037 | 21.54963 | 46.9208 | 13.30685 | 25.34315 | 48.05272 | 14.43877 | 24.91123 | 40.78691 | 7.17296 | 22.63704 | 44.59514 | 10.98119 | 55.22881 |
| 6/27/2025 | 1:00:00 AM | 33.61729 | 59.78717 | 26.16988 | 21.56012 | 46.93422 | 13.31693 | 25.33307 | 48.04559 | 14.4283 | 24.9217 | 40.78691 | 7.16962 | 22.64038 | 44.59514 | 10.97785 | 55.23215 |
| 6/27/2025 | 2:00:00 AM | 33.61395 | 59.79789 | 26.18394 | 21.54606 | 46.93757 | 13.32362 | 25.32638 | 48.04202 | 14.42807 | 24.92193 | 40.78333 | 7.16938 | 22.64062 | 44.59157 | 10.97762 | 55.23238 |
| 6/27/2025 | 3:00:00 AM | 33.63401 | 59.80503 | 26.17102 | 21.55898 | 46.95769 | 13.32368 | 25.32632 | 48.06698 | 14.43297 | 24.91703 | 40.79406 | 7.16005 | 22.64995 | 44.60586 | 10.97185 | 55.23815 |
| 6/27/2025 | 4:00:00 AM | 33.6407 | 59.81931 | 26.17861 | 21.55139 | 46.98117 | 13.34047 | 25.30953 | 48.07055 | 14.42985 | 24.92015 | 40.79764 | 7.15694 | 22.65306 | 44.61301 | 10.97231 | 55.23769 |
| 6/27/2025 | 5:00:00 AM | 33.65408 | 59.83003 | 26.17595 | 21.55405 | 47.00465 | 13.35057 | 25.29943 | 48.09907 | 14.44499 | 24.90501 | 40.80837 | 7.15429 | 22.65571 | 44.61658 | 10.9625 | 55.2475 |
| 6/27/2025 | 6:00:00 AM | 33.66076 | 59.85502 | 26.19426 | 21.53574 | 47.02477 | 13.36401 | 25.28599 | 48.1062 | 14.44544 | 24.90456 | 40.81553 | 7.15477 | 22.65523 | 44.62373 | 10.96297 | 55.24703 |
| 6/27/2025 | 7:00:00 AM | 33.67414 | 59.85502 | 26.18088 | 21.54912 | 47.05496 | 13.38082 | 25.26918 | 48.12402 | 14.44988 | 24.90012 | 40.81911 | 7.14497 | 22.66503 | 44.63088 | 10.95674 | 55.25326 |
| 6/27/2025 | 8:00:00 AM | 33.70089 | 59.88002 | 26.17913 | 21.55087 | 47.08179 | 13.3809 | 25.2691 | 48.15255 | 14.45166 | 24.89834 | 40.83342 | 7.13253 | 22.67747 | 44.64875 | 10.94786 | 55.26214 |
| 6/27/2025 | 9:00:00 AM | 33.71427 | 59.88716 | 26.17289 | 21.55711 | 47.11197 | 13.3977 | 25.2523 | 48.15968 | 14.44541 | 24.90459 | 40.84415 | 7.12988 | 22.68012 | 44.66304 | 10.94877 | 55.26123 |
| 6/27/2025 | 10:00:00 AM | 33.72764 | 59.89787 | 26.17023 | 21.55977 | 47.1321 | 13.40446 | 25.24554 | 48.18463 | 14.45699 | 24.89301 | 40.85131 | 7.12367 | 22.68633 | 44.65947 | 10.93183 | 55.27817 |
| 6/27/2025 | 11:00:00 AM | 33.73099 | 59.90144 | 26.17045 | 21.55955 | 47.14216 | 13.41117 | 25.23883 | 48.18107 | 14.45008 | 24.89992 | 40.85488 | 7.12389 | 22.68611 | 44.6559 | 10.92491 | 55.28509 |
| 6/27/2025 | 12:00:00 PM | 33.72764 | 59.89787 | 26.17023 | 21.55977 | 47.14887 | 13.42123 | 25.22877 | 48.1882 | 14.46056 | 24.88944 | 40.85131 | 7.12367 | 22.68633 | 44.64518 | 10.91754 | 55.29246 |
| 6/27/2025 | 1:00:00 PM | 33.73433 | 59.90144 | 26.16711 | 21.56289 | 47.15557 | 13.42124 | 25.22876 | 48.19177 | 14.45744 | 24.89256 | 40.86204 | 7.12771 | 22.68229 | 44.64518 | 10.91085 | 55.29915 |
| 6/27/2025 | 2:00:00 PM | 33.74102 | 59.91216 | 26.17114 | 21.55886 | 47.16228 | 13.42126 | 25.22874 | 48.1989 | 14.45788 | 24.89212 | 40.86919 | 7.12817 | 22.68183 | 44.6416 | 10.90058 | 55.30942 |
| 6/27/2025 | 3:00:00 PM | 33.74771 | 59.91573 | 26.16802 | 21.56198 | 47.1757 | 13.42799 | 25.22201 | 48.1989 | 14.45119 | 24.89881 | 40.86919 | 7.12148 | 22.68852 | 44.64518 | 10.89747 | 55.31253 |
| 6/27/2025 | 4:00:00 PM | 33.7544 | 59.9193 | 26.1649 | 21.5651 | 47.18576 | 13.43136 | 25.21864 | 48.20603 | 14.45163 | 24.89837 | 40.87993 | 7.12553 | 22.68447 | 44.6559 | 10.9015 | 55.3085 |
| 6/27/2025 | 5:00:00 PM | 33.76443 | 59.92644 | 26.16201 | 21.56799 | 47.18576 | 13.42133 | 25.22867 | 48.21672 | 14.45229 | 24.89771 | 40.88708 | 7.12265 | 22.68735 | 44.65947 | 10.89504 | 55.31496 |
| 6/27/2025 | 6:00:00 PM | 33.76443 | 59.92287 | 26.15844 | 21.57156 | 47.18911 | 13.42468 | 25.22532 | 48.21672 | 14.45229 | 24.89771 | 40.89066 | 7.12623 | 22.68377 | 44.65232 | 10.88789 | 55.32211 |
| 6/27/2025 | 7:00:00 PM | 33.76777 | 59.93001 | 26.16224 | 21.56776 | 47.20253 | 13.43476 | 25.21524 | 48.22029 | 14.45252 | 24.89748 | 40.89782 | 7.13005 | 22.67995 | 44.65232 | 10.88455 | 55.32545 |
| 6/27/2025 | 8:00:00 PM | 33.76443 | 59.93358 | 26.16915 | 21.56085 | 47.19917 | 13.43474 | 25.21526 | 48.21672 | 14.45229 | 24.89771 | 40.89066 | 7.12623 | 22.68377 | 44.6559 | 10.89147 | 55.31853 |
| 6/27/2025 | 9:00:00 PM | 33.76443 | 59.93001 | 26.16558 | 21.56442 | 47.20588 | 13.44145 | 25.20855 | 48.22742 | 14.46299 | 24.88701 | 40.89066 | 7.12623 | 22.68377 | 44.6559 | 10.89147 | 55.31853 |
| 6/27/2025 | 10:00:00 PM | 33.78449 | 59.94786 | 26.16337 | 21.56663 | 47.22936 | 13.44487 | 25.20513 | 48.24168 | 14.45719 | 24.89281 | 40.91571 | 7.13122 | 22.67878 | 44.67377 | 10.88928 | 55.32072 |
| 6/27/2025 | 11:00:00 PM | 33.79452 | 59.95858 | 26.16406 | 21.56594 | 47.23942 | 13.4449 | 25.2051 | 48.25237 | 14.45785 | 24.89215 | 40.91571 | 7.12119 | 22.68881 | 44.68091 | 10.88639 | 55.32361 |
| 6/28/2025 | 12:00:00 AM | 33.79787 | 59.96215 | 26.16428 | 21.56572 | 47.24277 | 13.4449 | 25.2051 | 48.25237 | 14.4545 | 24.8955 | 40.91928 | 7.12141 | 22.68859 | 44.68091 | 10.88304 | 55.32696 |
| 6/28/2025 | 1:00:00 AM | 33.79452 | 59.96215 | 26.16763 | 21.56237 | 47.25284 | 13.45832 | 25.19168 | 48.25951 | 14.46499 | 24.88501 | 40.91928 | 7.12476 | 22.68524 | 44.68449 | 10.88997 | 55.32003 |
| 6/28/2025 | 2:00:00 AM | 33.79787 | 59.96215 | 26.16428 | 21.56572 | 47.24948 | 13.45161 | 25.19839 | 48.25594 | 14.45807 | 24.89193 | 40.91571 | 7.11784 | 22.69216 | 44.68091 | 10.88304 | 55.32696 |
| 6/28/2025 | 3:00:00 AM | 33.79118 | 59.96572 | 26.17454 | 21.55546 | 47.2629 | 13.47172 | 25.17828 | 48.26664 | 14.47546 | 24.87454 | 40.92644 | 7.13526 | 22.67474 | 44.67734 | 10.88616 | 55.32384 |
| 6/28/2025 | 4:00:00 AM | 33.80456 | 59.98 | 26.17544 | 21.55456 | 47.26961 | 13.46505 | 25.18495 | 48.2702 | 14.46564 | 24.88436 | 40.93002 | 7.12546 | 22.68454 | 44.68806 | 10.8835 | 55.3265 |
| 6/28/2025 | 5:00:00 AM | 33.81793 | 59.99071 | 26.17278 | 21.55722 | 47.28638 | 13.46845 | 25.18155 | 48.29159 | 14.47366 | 24.87634 | 40.94433 | 7.1264 | 22.6836 | 44.69878 | 10.88085 | 55.32915 |
| 6/28/2025 | 6:00:00 AM | 33.82796 | 60.00143 | 26.17347 | 21.55653 | 47.29644 | 13.46848 | 25.18152 | 48.29516 | 14.4672 | 24.8828 | 40.95506 | 7.1271 | 22.6829 | 44.70951 | 10.88155 | 55.32845 |
| 6/28/2025 | 7:00:00 AM | 33.84134 | 60.00857 | 26.16723 | 21.56277 | 47.31321 | 13.47187 | 25.17813 | 48.31298 | 14.47164 | 24.87836 | 40.95864 | 7.1173 | 22.6927 | 44.70951 | 10.86817 | 55.34183 |
| 6/28/2025 | 8:00:00 AM | 33.85137 | 60.01571 | 26.16434 | 21.56566 | 47.31991 | 13.46854 | 25.18146 | 48.32011 | 14.46874 | 24.88126 | 40.96579 | 7.11442 | 22.69558 | 44.72737 | 10.876 | 55.334 |
| 6/28/2025 | 9:00:00 AM | 33.86809 | 60.03714 | 26.16905 | 21.56095 | 47.34674 | 13.47865 | 25.17135 | 48.33794 | 14.46985 | 24.88015 | 40.98368 | 7.11559 | 22.69441 | 44.74167 | 10.87358 | 55.33642 |
| 6/28/2025 | 10:00:00 AM | 33.8614 | 60.03357 | 26.17217 | 21.55783 | 47.34339 | 13.48199 | 25.16801 | 48.34151 | 14.48011 | 24.86989 | 40.97295 | 7.11155 | 22.69845 | 44.73095 | 10.86955 | 55.34045 |
| 6/28/2025 | 11:00:00 AM | 33.86475 | 60.02285 | 26.1581 | 21.5719 | 47.34004 | 13.47529 | 25.17471 | 48.33081 | 14.46606 | 24.88394 | 40.97653 | 7.11178 | 22.69822 | 44.72023 | 10.85548 | 55.35452 |
| 6/28/2025 | 12:00:00 PM | 33.87144 | 60.03357 | 26.16213 | 21.56787 | 47.34674 | 13.4753 | 25.1747 | 48.33794 | 14.4665 | 24.8835 | 40.98368 | 7.11224 | 22.69776 | 44.7238 | 10.85236 | 55.35764 |
| 6/28/2025 | 1:00:00 PM | 33.86809 | 60.02642 | 26.15833 | 21.57167 | 47.32998 | 13.46189 | 25.18811 | 48.33794 | 14.46985 | 24.88015 | 40.97653 | 7.10844 | 22.70156 | 44.7238 | 10.85571 | 55.35429 |
| 6/28/2025 | 2:00:00 PM | 33.86475 | 60.02642 | 26.16167 | 21.56833 | 47.32327 | 13.45852 | 25.19148 | 48.32725 | 14.4625 | 24.8875 | 40.98368 | 7.11893 | 22.69107 | 44.70951 | 10.84476 | 55.36524 |
| 6/28/2025 | 3:00:00 PM | 33.86475 | 60.01571 | 26.15096 | 21.57904 | 47.3065 | 13.44175 | 25.20825 | 48.33081 | 14.46606 | 24.88394 | 40.97653 | 7.11178 | 22.69822 | 44.71665 | 10.8519 | 55.3581 |
| 6/28/2025 | 4:00:00 PM | 33.86475 | 60.01571 | 26.15096 | 21.57904 | 47.27967 | 13.41492 | 25.23508 | 48.31655 | 14.4518 | 24.8982 | 40.97653 | 7.11178 | 22.69822 | 44.71665 | 10.8519 | 55.3581 |
| 6/28/2025 | 5:00:00 PM | 33.85137 | 59.99786 | 26.14649 | 21.58351 | 47.2629 | 13.41153 | 25.23847 | 48.30942 | 14.45805 | 24.89195 | 40.98011 | 7.12874 | 22.68126 | 44.70593 | 10.85456 | 55.35544 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/28/2025 | 6:00:00 PM | 33.85137 | 60.00143 | 26.15006 | 21.57994 | 47.23271 | 13.38134 | 25.26866 | 48.31298 | 14.46161 | 24.88839 | 40.98011 | 7.12874 | 22.68126 | 44.71308 | 10.86171 | 55.34829 |
| 6/28/2025 | 7:00:00 PM | 33.85472 | 60.005 | 26.15028 | 21.57972 | 47.2193 | 13.36458 | 25.28542 | 48.30229 | 14.44757 | 24.90243 | 40.99084 | 7.13612 | 22.67388 | 44.71665 | 10.86193 | 55.34807 |
| 6/28/2025 | 8:00:00 PM | 33.85472 | 60.005 | 26.15028 | 21.57972 | 47.21259 | 13.35787 | 25.29213 | 48.30585 | 14.45113 | 24.89887 | 40.98368 | 7.12896 | 22.68104 | 44.72737 | 10.87265 | 55.33735 |
| 6/28/2025 | 9:00:00 PM | 33.86475 | 60.01571 | 26.15096 | 21.57904 | 47.21259 | 13.34784 | 25.30216 | 48.31298 | 14.44823 | 24.90177 | 40.99442 | 7.12967 | 22.68033 | 44.7381 | 10.87335 | 55.33665 |
| 6/28/2025 | 10:00:00 PM | 33.86809 | 60.01928 | 26.15119 | 21.57881 | 47.20924 | 13.34115 | 25.30885 | 48.31298 | 14.44489 | 24.90511 | 40.998 | 7.12991 | 22.68009 | 44.74524 | 10.87715 | 55.33285 |
| 6/28/2025 | 11:00:00 PM | 33.86475 | 60.01928 | 26.15453 | 21.57547 | 47.21259 | 13.34784 | 25.30216 | 48.30585 | 14.4411 | 24.9089 | 40.99442 | 7.12967 | 22.68033 | 44.74524 | 10.88049 | 55.32951 |
| 6/29/2025 | 12:00:00 AM | 33.87478 | 60.02999 | 26.15521 | 21.57479 | 47.22265 | 13.34787 | 25.30213 | 48.31298 | 14.4382 | 24.9118 | 40.998 | 7.12322 | 22.68678 | 44.74882 | 10.87404 | 55.33596 |
| 6/29/2025 | 1:00:00 AM | 33.87812 | 60.02642 | 26.1483 | 21.5817 | 47.23607 | 13.35795 | 25.29205 | 48.31655 | 14.43843 | 24.91157 | 41.00157 | 7.12345 | 22.68655 | 44.75239 | 10.87427 | 55.33573 |
| 6/29/2025 | 2:00:00 AM | 33.88481 | 60.02642 | 26.14161 | 21.58839 | 47.24277 | 13.35796 | 25.29204 | 48.31298 | 14.42817 | 24.92183 | 41.00157 | 7.11676 | 22.69324 | 44.74882 | 10.86401 | 55.34599 |
| 6/29/2025 | 3:00:00 AM | 33.87478 | 60.02642 | 26.15164 | 21.57836 | 47.23942 | 13.36464 | 25.28536 | 48.30585 | 14.43107 | 24.91893 | 40.998 | 7.12322 | 22.68678 | 44.75239 | 10.87761 | 55.33239 |
| 6/29/2025 | 4:00:00 AM | 33.87478 | 60.02999 | 26.15521 | 21.57479 | 47.24277 | 13.36799 | 25.28201 | 48.30585 | 14.43107 | 24.91893 | 41.00515 | 7.13037 | 22.67963 | 44.74882 | 10.87404 | 55.33596 |
| 6/29/2025 | 5:00:00 AM | 33.87812 | 60.02285 | 26.14473 | 21.58527 | 47.25954 | 13.38142 | 25.26858 | 48.30585 | 14.42773 | 24.92227 | 41.00515 | 7.12703 | 22.68297 | 44.74167 | 10.86355 | 55.34645 |
| 6/29/2025 | 6:00:00 AM | 33.88481 | 60.04071 | 26.1559 | 21.5741 | 47.26961 | 13.3848 | 25.2652 | 48.31655 | 14.43174 | 24.91826 | 41.01231 | 7.1275 | 22.6825 | 44.76669 | 10.88188 | 55.32812 |
| 6/29/2025 | 7:00:00 AM | 33.8915 | 60.05856 | 26.16706 | 21.56294 | 47.27967 | 13.38817 | 25.26183 | 48.32725 | 14.43575 | 24.91425 | 41.01946 | 7.12796 | 22.68204 | 44.76669 | 10.87519 | 55.33481 |
| 6/29/2025 | 8:00:00 AM | 33.89484 | 60.05142 | 26.15658 | 21.57342 | 47.28973 | 13.39489 | 25.25511 | 48.32368 | 14.42884 | 24.92116 | 41.01588 | 7.12104 | 22.68896 | 44.77026 | 10.87542 | 55.33458 |
| 6/29/2025 | 9:00:00 AM | 33.88481 | 60.02999 | 26.14518 | 21.58482 | 47.27631 | 13.3915 | 25.2585 | 48.31298 | 14.42817 | 24.92183 | 41.00515 | 7.12034 | 22.68966 | 44.75954 | 10.87473 | 55.33527 |
| 6/29/2025 | 10:00:00 AM | 33.85472 | 60.02285 | 26.16813 | 21.56187 | 47.25619 | 13.40147 | 25.24853 | 48.28803 | 14.43331 | 24.91669 | 40.99084 | 7.13612 | 22.67388 | 44.73095 | 10.87623 | 55.33377 |
| 6/29/2025 | 11:00:00 AM | 33.83131 | 60.00857 | 26.17726 | 21.55274 | 47.24277 | 13.41146 | 25.23854 | 48.2809 | 14.44959 | 24.90041 | 40.98368 | 7.15237 | 22.65763 | 44.72023 | 10.88892 | 55.32108 |
| 6/29/2025 | 12:00:00 PM | 33.82128 | 59.99786 | 26.17658 | 21.55342 | 47.22265 | 13.40137 | 25.24863 | 48.25951 | 14.43823 | 24.91177 | 40.97653 | 7.15525 | 22.65475 | 44.71308 | 10.8918 | 55.3182 |
| 6/29/2025 | 1:00:00 PM | 33.80456 | 59.98357 | 26.17901 | 21.55099 | 47.19582 | 13.39126 | 25.25874 | 48.24168 | 14.43712 | 24.91288 | 40.97295 | 7.16839 | 22.64161 | 44.70951 | 10.90495 | 55.30505 |
| 6/29/2025 | 2:00:00 PM | 33.78784 | 59.95858 | 26.17074 | 21.55926 | 47.16228 | 13.37444 | 25.27556 | 48.22742 | 14.43958 | 24.91042 | 40.96222 | 7.17438 | 22.63562 | 44.70236 | 10.91452 | 55.29548 |
| 6/29/2025 | 3:00:00 PM | 33.76108 | 59.93001 | 26.16893 | 21.56107 | 47.12539 | 13.36431 | 25.28569 | 48.20603 | 14.44495 | 24.90505 | 40.94075 | 7.17967 | 22.63033 | 44.68806 | 10.92698 | 55.28302 |
| 6/29/2025 | 4:00:00 PM | 33.74436 | 59.91573 | 26.17137 | 21.55863 | 47.0952 | 13.35084 | 25.29916 | 48.1882 | 14.44384 | 24.90616 | 40.93002 | 7.18566 | 22.62434 | 44.67734 | 10.93298 | 55.27702 |
| 6/29/2025 | 5:00:00 PM | 33.71761 | 59.89073 | 26.17312 | 21.55688 | 47.03819 | 13.32058 | 25.32942 | 48.15968 | 14.44207 | 24.90793 | 40.91213 | 7.19452 | 22.61548 | 44.66662 | 10.94901 | 55.26099 |
| 6/29/2025 | 6:00:00 PM | 33.70089 | 59.87288 | 26.17199 | 21.55801 | 47.0013 | 13.30041 | 25.34959 | 48.13829 | 14.4374 | 24.9126 | 40.89424 | 7.19335 | 22.61665 | 44.65947 | 10.95858 | 55.25142 |
| 6/29/2025 | 7:00:00 PM | 33.68752 | 59.8693 | 26.18178 | 21.54822 | 46.97111 | 13.28359 | 25.36641 | 48.11689 | 14.42937 | 24.92063 | 40.88708 | 7.19956 | 22.61044 | 44.66304 | 10.97552 | 55.23448 |
| 6/29/2025 | 8:00:00 PM | 33.67748 | 59.84788 | 26.1704 | 21.5596 | 46.93757 | 13.26009 | 25.38991 | 48.09907 | 14.42159 | 24.92841 | 40.87993 | 7.20245 | 22.60755 | 44.66304 | 10.98556 | 55.22444 |
| 6/29/2025 | 9:00:00 PM | 33.66745 | 59.85145 | 26.184 | 21.546 | 46.92416 | 13.25671 | 25.39329 | 48.1062 | 14.43875 | 24.91125 | 40.87635 | 7.2089 | 22.6011 | 44.67019 | 11.00274 | 55.20726 |
| 6/29/2025 | 10:00:00 PM | 33.67414 | 59.86216 | 26.18802 | 21.54198 | 46.9208 | 13.24666 | 25.40334 | 48.09907 | 14.42493 | 24.92507 | 40.86919 | 7.19505 | 22.61495 | 44.67734 | 11.0032 | 55.2068 |
| 6/29/2025 | 11:00:00 PM | 33.68417 | 59.8693 | 26.18513 | 21.54487 | 46.93086 | 13.24669 | 25.40331 | 48.09907 | 14.4149 | 24.9351 | 40.87635 | 7.19218 | 22.61782 | 44.69164 | 11.00747 | 55.20253 |
| 6/30/2025 | 12:00:00 AM | 33.68417 | 59.86216 | 26.17799 | 21.55201 | 46.93757 | 13.2534 | 25.3966 | 48.0955 | 14.41133 | 24.93867 | 40.86204 | 7.17787 | 22.63213 | 44.68806 | 11.00389 | 55.20611 |
| 6/30/2025 | 1:00:00 AM | 33.6708 | 59.85145 | 26.18065 | 21.54935 | 46.92751 | 13.25671 | 25.39329 | 48.08481 | 14.41401 | 24.93599 | 40.85131 | 7.18051 | 22.62949 | 44.67377 | 11.00297 | 55.20703 |
| 6/30/2025 | 2:00:00 AM | 33.66745 | 59.85145 | 26.184 | 21.546 | 46.93757 | 13.27012 | 25.37988 | 48.07768 | 14.41023 | 24.93977 | 40.84057 | 7.17312 | 22.63688 | 44.67734 | 11.00989 | 55.20011 |
| 6/30/2025 | 3:00:00 AM | 33.66076 | 59.83717 | 26.17641 | 21.55359 | 46.93757 | 13.27681 | 25.37319 | 48.06698 | 14.40622 | 24.94378 | 40.83342 | 7.17266 | 22.63734 | 44.66304 | 11.00228 | 55.20772 |
| 6/30/2025 | 4:00:00 AM | 33.64739 | 59.83003 | 26.18264 | 21.54736 | 46.93757 | 13.29018 | 25.35982 | 48.06342 | 14.41603 | 24.93397 | 40.82984 | 7.18245 | 22.62755 | 44.6559 | 11.00851 | 55.20149 |
| 6/30/2025 | 5:00:00 AM | 33.64739 | 59.8336 | 26.18621 | 21.54379 | 46.94428 | 13.29689 | 25.35311 | 48.05628 | 14.40889 | 24.94111 | 40.82626 | 7.17887 | 22.63113 | 44.65947 | 11.01208 | 55.19792 |
| 6/30/2025 | 6:00:00 AM | 33.65073 | 59.84431 | 26.19358 | 21.53642 | 46.9644 | 13.31367 | 25.33633 | 48.05628 | 14.40555 | 24.94445 | 40.82984 | 7.17911 | 22.63089 | 44.66304 | 11.01231 | 55.19769 |
| 6/30/2025 | 7:00:00 AM | 33.66745 | 59.85145 | 26.184 | 21.546 | 46.97446 | 13.30701 | 25.34299 | 48.06698 | 14.39953 | 24.95047 | 40.82984 | 7.16239 | 22.64761 | 44.67734 | 11.00989 | 55.20011 |
| 6/30/2025 | 8:00:00 AM | 33.66411 | 59.84788 | 26.18377 | 21.54623 | 46.97782 | 13.31371 | 25.33629 | 48.06698 | 14.40287 | 24.94713 | 40.82268 | 7.15857 | 22.65143 | 44.67734 | 11.01323 | 55.19677 |
| 6/30/2025 | 9:00:00 AM | 33.66076 | 59.84431 | 26.18355 | 21.54645 | 46.98453 | 13.32377 | 25.32623 | 48.06698 | 14.40622 | 24.94378 | 40.82268 | 7.16192 | 22.64808 | 44.66662 | 11.00586 | 55.20414 |
| 6/30/2025 | 10:00:00 AM | 33.64739 | 59.83003 | 26.18264 | 21.54736 | 46.97446 | 13.32707 | 25.32293 | 48.05628 | 14.40889 | 24.94111 | 40.80479 | 7.1574 | 22.6526 | 44.6559 | 11.00851 | 55.20149 |
| 6/30/2025 | 11:00:00 AM | 33.62732 | 59.81217 | 26.18485 | 21.54515 | 46.95769 | 13.33037 | 25.31963 | 48.05272 | 14.4254 | 24.9246 | 40.79048 | 7.16316 | 22.64684 | 44.64875 | 11.02143 | 55.18857 |
| 6/30/2025 | 12:00:00 PM | 33.61395 | 59.79789 | 26.18394 | 21.54606 | 46.93757 | 13.32362 | 25.32638 | 48.0242 | 14.41025 | 24.93975 | 40.78691 | 7.17296 | 22.63704 | 44.62731 | 11.01336 | 55.19664 |
| 6/30/2025 | 1:00:00 PM | 33.59388 | 59.77646 | 26.18258 | 21.54742 | 46.91074 | 13.31686 | 25.33314 | 48.01707 | 14.42319 | 24.92681 | 40.76902 | 7.17514 | 22.63486 | 44.61301 | 11.01913 | 55.19087 |
| 6/30/2025 | 2:00:00 PM | 33.57716 | 59.76932 | 26.19216 | 21.53784 | 46.88391 | 13.30675 | 25.34325 | 47.99211 | 14.41495 | 24.93505 | 40.76544 | 7.18828 | 22.62172 | 44.60944 | 11.03228 | 55.17772 |
| 6/30/2025 | 3:00:00 PM | 33.56713 | 59.74432 | 26.17719 | 21.55281 | 46.84702 | 13.27989 | 25.37011 | 47.97785 | 14.41072 | 24.93928 | 40.7547 | 7.18757 | 22.62243 | 44.59157 | 11.02444 | 55.18556 |
| 6/30/2025 | 4:00:00 PM | 33.55376 | 59.73004 | 26.17628 | 21.55372 | 46.81348 | 13.25972 | 25.39028 | 47.96359 | 14.40983 | 24.94017 | 40.74397 | 7.19021 | 22.61979 | 44.59157 | 11.03781 | 55.17219 |
| 6/30/2025 | 5:00:00 PM | 33.54707 | 59.72647 | 26.1794 | 21.5506 | 46.78329 | 13.23622 | 25.41378 | 47.94933 | 14.40226 | 24.94774 | 40.73682 | 7.18975 | 22.62025 | 44.58442 | 11.03735 | 55.17265 |
| 6/30/2025 | 6:00:00 PM | 33.55041 | 59.71933 | 26.16892 | 21.56108 | 46.75982 | 13.20941 | 25.44059 | 47.9422 | 14.39179 | 24.95821 | 40.73682 | 7.18641 | 22.62359 | 44.59514 | 11.04473 | 55.16527 |
| 6/30/2025 | 7:00:00 PM | 33.54372 | 59.71576 | 26.17204 | 21.55796 | 46.73634 | 13.19262 | 25.45738 | 47.93863 | 14.39491 | 24.95509 | 40.72608 | 7.18236 | 22.62764 | 44.59514 | 11.05142 | 55.15858 |
| 6/30/2025 | 8:00:00 PM | 33.54372 | 59.71933 | 26.17561 | 21.55439 | 46.71622 | 13.1725 | 25.4775 | 47.93863 | 14.39491 | 24.95509 | 40.72966 | 7.18594 | 22.62406 | 44.60229 | 11.05857 | 55.15143 |
| 6/30/2025 | 9:00:00 PM | 33.5571 | 59.71933 | 26.16223 | 21.56777 | 46.72292 | 13.16582 | 25.48418 | 47.94576 | 14.38866 | 24.96134 | 40.72608 | 7.16898 | 22.64102 | 44.60586 | 11.04876 | 55.16124 |
| 6/30/2025 | 10:00:00 PM | 33.57048 | 59.73361 | 26.16313 | 21.56687 | 46.72292 | 13.15244 | 25.49756 | 47.95289 | 14.38241 | 24.96759 | 40.72966 | 7.15918 | 22.65082 | 44.61658 | 11.0461 | 55.1639 |
| 6/30/2025 | 11:00:00 PM | 33.57716 | 59.73361 | 26.15645 | 21.57355 | 46.73298 | 13.15582 | 25.49418 | 47.95646 | 14.3793 | 24.9707 | 40.72608 | 7.14892 | 22.66108 | 44.62016 | 11.043 | 55.167 |
| 7/1/2025 | 12:00:00 AM | 33.58385 | 59.74075 | 26.1569 | 21.5731 | 46.74975 | 13.1659 | 25.4841 | 47.95289 | 14.36904 | 24.98096 | 40.7225 | 7.13865 | 22.67135 | 44.62373 | 11.03988 | 55.17012 |
| 7/1/2025 | 1:00:00 AM | 33.59723 | 59.7479 | 26.15067 | 21.57933 | 46.76317 | 13.16594 | 25.48406 | 47.96359 | 14.36636 | 24.98364 | 40.73324 | 7.13601 | 22.67399 | 44.63088 | 11.03365 | 55.17635 |
| 7/1/2025 | 2:00:00 AM | 33.60392 | 59.7479 | 26.14398 | 21.58602 | 46.78329 | 13.17937 | 25.47063 | 47.96715 | 14.36323 | 24.98677 | 40.74039 | 7.13647 | 22.67353 | 44.62373 | 11.01981 | 55.19019 |
| 7/1/2025 | 3:00:00 AM | 33.59388 | 59.74432 | 26.15044 | 21.57956 | 46.79335 | 13.19947 | 25.45053 | 47.96002 | 14.36614 | 24.98386 | 40.7225 | 7.12862 | 22.68138 | 44.60586 | 11.01198 | 55.19802 |
| 7/1/2025 | 4:00:00 AM | 33.59054 | 59.74432 | 26.15378 | 21.57622 | 46.80342 | 13.21288 | 25.43712 | 47.94576 | 14.35522 | 24.99478 | 40.72608 | 7.13554 | 22.67446 | 44.59514 | 11.0046 | 55.2054 |
| 7/1/2025 | 5:00:00 AM | 33.60726 | 59.75504 | 26.14778 | 21.58222 | 46.83025 | 13.22299 | 25.42701 | 47.96715 | 14.35989 | 24.99011 | 40.73682 | 7.12956 | 22.68044 | 44.61301 | 11.00575 | 55.20425 |
| 7/1/2025 | 6:00:00 AM | 33.61395 | 59.75861 | 26.14466 | 21.58534 | 46.84702 | 13.23307 | 25.41693 | 47.97785 | 14.3639 | 24.9861 | 40.74397 | 7.13002 | 22.67998 | 44.62016 | 11.00621 | 55.20379 |
| 7/1/2025 | 7:00:00 AM | 33.63067 | 59.7836 | 26.15293 | 21.57707 | 46.87385 | 13.24318 | 25.40682 | 47.97785 | 14.34718 | 25.00282 | 40.75113 | 7.12046 | 22.68954 | 44.62373 | 10.99306 | 55.21694 |
| 7/1/2025 | 8:00:00 AM | 33.62398 | 59.78003 | 26.15605 | 21.57395 | 46.89062 | 13.26664 | 25.38336 | 47.99568 | 14.3717 | 24.9783 | 40.75113 | 7.12715 | 22.68285 | 44.62016 | 10.99618 | 55.21382 |
| 7/1/2025 | 9:00:00 AM | 33.61395 | 59.76575 | 26.1518 | 21.5782 | 46.8772 | 13.26325 | 25.38675 | 47.97785 | 14.3639 | 24.9861 | 40.73324 | 7.11929 | 22.69071 | 44.59871 | 10.98476 | 55.22524 |
| 7/1/2025 | 10:00:00 AM | 33.58385 | 59.73718 | 26.15333 | 21.57667 | 46.84702 | 13.26317 | 25.38683 | 47.94933 | 14.36548 | 24.98452 | 40.71893 | 7.13508 | 22.67492 | 44.56655 | 10.9827 | 55.2273 |
| 7/1/2025 | 11:00:00 AM | 33.57716 | 59.73004 | 26.15288 | 21.57712 | 46.83695 | 13.25979 | 25.39021 | 47.93507 | 14.35791 | 24.99209 | 40.70819 | 7.13103 | 22.67897 | 44.57012 | 10.99296 | 55.21704 |
| 7/1/2025 | 12:00:00 PM | 33.56044 | 59.7229 | 26.16246 | 21.56754 | 46.82354 | 13.2631 | 25.3869 | 47.9315 | 14.37106 | 24.97894 | 40.70819 | 7.14775 | 22.66225 | 44.56655 | 11.00611 | 55.20389 |
| 7/1/2025 | 1:00:00 PM | 33.5571 | 59.71933 | 26.16223 | 21.56777 | 46.80677 | 13.24967 | 25.40033 | 47.92794 | 14.37084 | 24.97916 | 40.70819 | 7.15109 | 22.65891 | 44.56298 | 11.00588 | 55.20412 |
| 7/1/2025 | 2:00:00 PM | 33.54707 | 59.6979 | 26.15083 | 21.57917 | 46.78329 | 13.23622 | 25.41378 | 47.91011 | 14.36304 | 24.98696 | 40.69746 | 7.15039 | 22.65961 | 44.5594 | 11.01233 | 55.19767 |
| 7/1/2025 | 3:00:00 PM | 33.53369 | 59.68362 | 26.14993 | 21.58007 | 46.74305 | 13.20936 | 25.44064 | 47.89941 | 14.36572 | 24.98428 | 40.69746 | 7.16377 | 22.64623 | 44.54868 | 11.01499 | 55.19501 |
| 7/1/2025 | 4:00:00 PM | 33.53035 | 59.67291 | 26.14256 | 21.58744 | 46.71622 | 13.18587 | 25.46413 | 47.88872 | 14.35837 | 24.99163 | 40.68315 | 7.1528 | 22.6572 | 44.54511 | 11.01476 | 55.19524 |
| 7/1/2025 | 5:00:00 PM | 33.52366 | 59.66934 | 26.14568 | 21.58432 | 46.68938 | 13.16572 | 25.48428 | 47.87089 | 14.34723 | 25.00277 | 40.67957 | 7.15591 | 22.65409 | 44.53796 | 11.0143 | 55.1957 |
| 7/1/2025 | 6:00:00 PM | 33.52032 | 59.66934 | 26.14902 | 21.58098 | 46.66255 | 13.14223 | 25.50777 | 47.87446 | 14.35414 | 24.99586 | 40.67957 | 7.15925 | 22.65075 | 44.54153 | 11.02121 | 55.18879 |
| 7/1/2025 | 7:00:00 PM | 33.51697 | 59.65505 | 26.13808 | 21.59192 | 46.64243 | 13.12546 | 25.52454 | 47.86733 | 14.35036 | 24.99964 | 40.66884 | 7.15187 | 22.65813 | 44.55583 | 11.03886 | 55.17114 |
| 7/1/2025 | 8:00:00 PM | 33.51363 | 59.65862 | 26.14499 | 21.58501 | 46.62231 | 13.10868 | 25.54132 | 47.86019 | 14.34656 | 25.00344 | 40.66526 | 7.15163 | 22.65837 | 44.55225 | 11.03862 | 55.17138 |
| 7/1/2025 | 9:00:00 PM | 33.51697 | 59.65505 | 26.13808 | 21.59192 | 46.6156 | 13.09863 | 25.55137 | 47.85663 | 14.33966 | 25.01034 | 40.6581 | 7.14113 | 22.66887 | 44.54511 | 11.02814 | 55.18186 |
| 7/1/2025 | 10:00:00 PM | 33.52366 | 59.67291 | 26.14925 | 21.58075 | 46.61224 | 13.08858 | 25.56142 | 47.86376 | 14.3401 | 25.0099 | 40.66168 | 7.13802 | 22.67198 | 44.55583 | 11.03217 | 55.17783 |
| 7/1/2025 | 11:00:00 PM | 33.53369 | 59.67291 | 26.13922 | 21.59078 | 46.63237 | 13.09868 | 25.55132 | 47.87089 | 14.3372 | 25.0128 | 40.66884 | 7.13515 | 22.67485 | 44.56655 | 11.03286 | 55.17714 |
| 7/2/2025 | 12:00:00 AM | 33.54707 | 59.68005 | 26.13298 | 21.59702 | 46.64914 | 13.10207 | 25.54793 | 47.87802 | 14.33095 | 25.01905 | 40.67242 | 7.12535 | 22.68465 | 44.57012 | 11.02305 | 55.18695 |
| 7/2/2025 | 1:00:00 AM | 33.54372 | 59.68362 | 26.1399 | 21.5901 | 46.66255 | 13.11883 | 25.53117 | 47.87446 | 14.33074 | 25.01926 | 40.66884 | 7.12512 | 22.68488 | 44.56298 | 11.01926 | 55.19074 |
| 7/2/2025 | 2:00:00 AM | 33.56044 | 59.6979 | 26.13746 | 21.59254 | 46.69274 | 13.1323 | 25.5177 | 47.88515 | 14.32471 | 25.02529 | 40.67242 | 7.11198 | 22.69802 | 44.5737 | 11.01326 | 55.19674 |
| 7/2/2025 | 3:00:00 AM | 33.56044 | 59.69076 | 26.13032 | 21.59968 | 46.71286 | 13.15242 | 25.49758 | 47.89228 | 14.33184 | 25.01816 | 40.67242 | 7.11198 | 22.69802 | 44.5737 | 11.01326 | 55.19674 |
| 7/2/2025 | 4:00:00 AM | 33.56044 | 59.70147 | 26.14103 | 21.58897 | 46.71957 | 13.15913 | 25.49087 | 47.88515 | 14.32471 | 25.02529 | 40.66884 | 7.1084 | 22.7016 | 44.57012 | 11.00968 | 55.20032 |
| 7/2/2025 | 5:00:00 AM | 33.58051 | 59.70504 | 26.12453 | 21.60547 | 46.75646 | 13.17595 | 25.47405 | 47.90654 | 14.32603 | 25.02397 | 40.67957 | 7.09906 | 22.71094 | 44.5737 | 10.99319 | 55.21681 |
| 7/2/2025 | 6:00:00 AM | 33.57716 | 59.71576 | 26.1386 | 21.5914 | 46.76988 | 13.19272 | 25.45728 | 47.90298 | 14.32582 | 25.02418 | 40.68315 | 7.10599 | 22.70401 | 44.5737 | 10.99654 | 55.21346 |
| 7/2/2025 | 7:00:00 AM | 33.59723 | 59.72647 | 26.12924 | 21.60076 | 46.78665 | 13.18942 | 25.46058 | 47.9208 | 14.32357 | 25.02643 | 40.69746 | 7.10023 | 22.70977 | 44.58442 | 10.98719 | 55.22281 |
| 7/2/2025 | 8:00:00 AM | 33.60726 | 59.73004 | 26.12278 | 21.60722 | 46.80006 | 13.1928 | 25.4572 | 47.9422 | 14.33494 | 25.01506 | 40.69746 | 7.0902 | 22.7198 | 44.58084 | 10.97358 | 55.23642 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/2/2025 | 9:00:00 AM | 33.60057 | 59.73361 | 26.13304 | 21.59696 | 46.80677 | 13.2062 | 25.4438 | 47.93863 | 14.33806 | 25.01194 | 40.69388 | 7.09331 | 22.71669 | 44.5737 | 10.97313 | 55.23687 |
| 7/2/2025 | 10:00:00 AM | 33.59723 | 59.73004 | 26.13281 | 21.59719 | 46.80677 | 13.20954 | 25.44046 | 47.9315 | 14.33427 | 25.01573 | 40.69388 | 7.09665 | 22.71335 | 44.56655 | 10.96932 | 55.24068 |
| 7/2/2025 | 11:00:00 AM | 33.60057 | 59.73361 | 26.13304 | 21.59696 | 46.81348 | 13.21291 | 25.43709 | 47.9422 | 14.34163 | 25.00837 | 40.69746 | 7.09689 | 22.71311 | 44.57012 | 10.96955 | 55.24045 |
| 7/2/2025 | 12:00:00 PM | 33.59388 | 59.7229 | 26.12902 | 21.60098 | 46.79671 | 13.20283 | 25.44717 | 47.92794 | 14.33406 | 25.01594 | 40.6903 | 7.09642 | 22.71358 | 44.57012 | 10.97624 | 55.23376 |
| 7/2/2025 | 1:00:00 PM | 33.59388 | 59.73004 | 26.13616 | 21.59384 | 46.79 | 13.19612 | 25.45388 | 47.9315 | 14.33762 | 25.01238 | 40.69388 | 7.1 | 22.71 | 44.57012 | 10.97624 | 55.23376 |
| 7/2/2025 | 2:00:00 PM | 33.5872 | 59.71219 | 26.12499 | 21.60501 | 46.76652 | 13.17932 | 25.47068 | 47.91724 | 14.33004 | 25.01996 | 40.69388 | 7.10668 | 22.70332 | 44.55583 | 10.96863 | 55.24137 |
| 7/2/2025 | 3:00:00 PM | 33.60057 | 59.7229 | 26.12233 | 21.60767 | 46.74975 | 13.14918 | 25.50082 | 47.9315 | 14.33093 | 25.01907 | 40.69746 | 7.09689 | 22.71311 | 44.57012 | 10.96955 | 55.24045 |
| 7/2/2025 | 4:00:00 PM | 33.59388 | 59.71576 | 26.12188 | 21.60812 | 46.72963 | 13.13575 | 25.51425 | 47.9208 | 14.32692 | 25.02308 | 40.69388 | 7.1 | 22.71 | 44.57012 | 10.97624 | 55.23376 |
| 7/2/2025 | 5:00:00 PM | 33.5872 | 59.69076 | 26.10356 | 21.62644 | 46.69274 | 13.10554 | 25.54446 | 47.91011 | 14.32291 | 25.02709 | 40.68673 | 7.09953 | 22.71047 | 44.5594 | 10.9722 | 55.2378 |
| 7/2/2025 | 6:00:00 PM | 33.57382 | 59.68719 | 26.11337 | 21.61663 | 46.66926 | 13.09544 | 25.55456 | 47.89228 | 14.31846 | 25.03154 | 40.68315 | 7.10933 | 22.70067 | 44.54153 | 10.96771 | 55.24229 |
| 7/2/2025 | 7:00:00 PM | 33.57716 | 59.6979 | 26.12074 | 21.60926 | 46.64914 | 13.07198 | 25.57802 | 47.89585 | 14.31869 | 25.03131 | 40.69388 | 7.11672 | 22.69328 | 44.54868 | 10.97152 | 55.23848 |
| 7/2/2025 | 8:00:00 PM | 33.5872 | 59.70147 | 26.11427 | 21.61573 | 46.64243 | 13.05523 | 25.59477 | 47.89585 | 14.30865 | 25.04135 | 40.69746 | 7.11026 | 22.69974 | 44.56298 | 10.97578 | 55.23422 |
| 7/2/2025 | 9:00:00 PM | 33.59388 | 59.70504 | 26.11116 | 21.61884 | 46.63572 | 13.04184 | 25.60816 | 47.88872 | 14.29484 | 25.05516 | 40.69388 | 7.1 | 22.71 | 44.56298 | 10.9691 | 55.2409 |
| 7/2/2025 | 10:00:00 PM | 33.6106 | 59.71933 | 26.10873 | 21.62127 | 46.65249 | 13.04189 | 25.60811 | 47.91367 | 14.30307 | 25.04693 | 40.70462 | 7.09402 | 22.71598 | 44.57727 | 10.96667 | 55.24333 |
| 7/2/2025 | 11:00:00 PM | 33.61395 | 59.72647 | 26.11252 | 21.61748 | 46.66926 | 13.05531 | 25.59469 | 47.91367 | 14.29972 | 25.05028 | 40.70819 | 7.09424 | 22.71576 | 44.57727 | 10.96332 | 55.24668 |
| 7/3/2025 | 12:00:00 AM | 33.6106 | 59.71576 | 26.10516 | 21.62484 | 46.67261 | 13.06201 | 25.58799 | 47.9208 | 14.3102 | 25.0398 | 40.70819 | 7.09759 | 22.71241 | 44.58084 | 10.97024 | 55.23976 |
| 7/3/2025 | 1:00:00 AM | 33.63401 | 59.73004 | 26.09603 | 21.63397 | 46.70615 | 13.07214 | 25.57786 | 47.93507 | 14.30106 | 25.04894 | 40.71893 | 7.08492 | 22.72508 | 44.59157 | 10.95756 | 55.25244 |
| 7/3/2025 | 2:00:00 AM | 33.63401 | 59.73718 | 26.10317 | 21.62683 | 46.72292 | 13.08891 | 25.56109 | 47.92437 | 14.29036 | 25.05964 | 40.71893 | 7.08492 | 22.72508 | 44.58799 | 10.95398 | 55.25602 |
| 7/3/2025 | 3:00:00 AM | 33.64739 | 59.7479 | 26.10051 | 21.62949 | 46.74305 | 13.09566 | 25.55434 | 47.93507 | 14.28768 | 25.06232 | 40.7225 | 7.07511 | 22.73489 | 44.58799 | 10.9406 | 55.2694 |
| 7/3/2025 | 4:00:00 AM | 33.63736 | 59.75147 | 26.11411 | 21.61589 | 46.75646 | 13.1191 | 25.5309 | 47.9315 | 14.29414 | 25.05586 | 40.71893 | 7.08157 | 22.72843 | 44.58799 | 10.95063 | 55.25937 |
| 7/3/2025 | 5:00:00 AM | 33.64404 | 59.75504 | 26.111 | 21.619 | 46.77659 | 13.13255 | 25.51745 | 47.9422 | 14.29816 | 25.05184 | 40.72966 | 7.08562 | 22.72438 | 44.58799 | 10.94395 | 55.26605 |
| 7/3/2025 | 6:00:00 AM | 33.65073 | 59.75504 | 26.10431 | 21.62569 | 46.79335 | 13.14262 | 25.50738 | 47.93863 | 14.2879 | 25.0621 | 40.72966 | 7.07893 | 22.73107 | 44.58799 | 10.93726 | 55.27274 |
| 7/3/2025 | 7:00:00 AM | 33.66076 | 59.76575 | 26.10499 | 21.62501 | 46.81683 | 13.15607 | 25.49393 | 47.95646 | 14.2957 | 25.0543 | 40.73682 | 7.07606 | 22.73394 | 44.59514 | 10.93438 | 55.27562 |
| 7/3/2025 | 8:00:00 AM | 33.67414 | 59.78717 | 26.11303 | 21.61697 | 46.84366 | 13.16952 | 25.48048 | 47.98141 | 14.30727 | 25.04273 | 40.75113 | 7.07699 | 22.73301 | 44.60229 | 10.92815 | 55.28185 |
| 7/3/2025 | 9:00:00 AM | 33.68417 | 59.79075 | 26.10658 | 21.62342 | 46.86043 | 13.17626 | 25.47374 | 47.98141 | 14.29724 | 25.05276 | 40.7547 | 7.07053 | 22.73947 | 44.61301 | 10.92884 | 55.28116 |
| 7/3/2025 | 10:00:00 AM | 33.68083 | 59.7836 | 26.10277 | 21.62723 | 46.86043 | 13.1796 | 25.4704 | 47.98141 | 14.30058 | 25.04942 | 40.74397 | 7.06314 | 22.74686 | 44.60586 | 10.92503 | 55.28497 |
| 7/3/2025 | 11:00:00 AM | 33.66745 | 59.78003 | 26.11258 | 21.61742 | 46.85037 | 13.18292 | 25.46708 | 47.98498 | 14.31753 | 25.03247 | 40.74755 | 7.0801 | 22.7299 | 44.59157 | 10.92412 | 55.28588 |
| 7/3/2025 | 12:00:00 PM | 33.68417 | 59.7836 | 26.09943 | 21.63057 | 46.85708 | 13.17291 | 25.47709 | 47.98498 | 14.30081 | 25.04919 | 40.75828 | 7.07411 | 22.73589 | 44.59514 | 10.91097 | 55.29903 |
| 7/3/2025 | 1:00:00 PM | 33.6708 | 59.7836 | 26.1128 | 21.6172 | 46.83695 | 13.16615 | 25.48385 | 47.97428 | 14.30348 | 25.04652 | 40.75113 | 7.08033 | 22.72967 | 44.59514 | 10.92434 | 55.28566 |
| 7/3/2025 | 2:00:00 PM | 33.66411 | 59.77646 | 26.11235 | 21.61765 | 46.81348 | 13.14937 | 25.50063 | 47.97428 | 14.31017 | 25.03983 | 40.74755 | 7.08344 | 22.72656 | 44.58799 | 10.92388 | 55.28612 |
| 7/3/2025 | 3:00:00 PM | 33.65408 | 59.76575 | 26.11167 | 21.61833 | 46.79671 | 13.14263 | 25.50737 | 47.96002 | 14.30594 | 25.04406 | 40.74755 | 7.09347 | 22.71653 | 44.58084 | 10.92676 | 55.28324 |
| 7/3/2025 | 4:00:00 PM | 33.65073 | 59.75861 | 26.10788 | 21.62212 | 46.76988 | 13.11915 | 25.53085 | 47.94933 | 14.2986 | 25.0514 | 40.73682 | 7.08609 | 22.72391 | 44.58084 | 10.93011 | 55.27989 |
| 7/3/2025 | 5:00:00 PM | 33.63736 | 59.73718 | 26.09982 | 21.63018 | 46.73634 | 13.09898 | 25.55102 | 47.92794 | 14.29058 | 25.05942 | 40.72966 | 7.0923 | 22.7177 | 44.57727 | 10.93991 | 55.27009 |
| 7/3/2025 | 6:00:00 PM | 33.63067 | 59.7229 | 26.09223 | 21.63777 | 46.7028 | 13.07213 | 25.57787 | 47.9208 | 14.29013 | 25.05987 | 40.72966 | 7.09899 | 22.71101 | 44.57012 | 10.93945 | 55.27055 |
| 7/3/2025 | 7:00:00 PM | 33.61729 | 59.71933 | 26.10204 | 21.62796 | 46.66926 | 13.05197 | 25.59803 | 47.90654 | 14.28925 | 25.06075 | 40.72966 | 7.11237 | 22.69763 | 44.56298 | 10.94569 | 55.26431 |
| 7/3/2025 | 8:00:00 PM | 33.6106 | 59.71933 | 26.10873 | 21.62127 | 46.64914 | 13.03854 | 25.61146 | 47.90654 | 14.29594 | 25.05406 | 40.72608 | 7.11548 | 22.69452 | 44.57012 | 10.95952 | 55.25048 |
| 7/3/2025 | 9:00:00 PM | 33.61395 | 59.73004 | 26.11609 | 21.61391 | 46.63572 | 13.02177 | 25.62823 | 47.90654 | 14.29259 | 25.05741 | 40.72966 | 7.11571 | 22.69429 | 44.58084 | 10.96689 | 55.24311 |
| 7/3/2025 | 10:00:00 PM | 33.63401 | 59.73718 | 26.10317 | 21.62683 | 46.64914 | 13.01513 | 25.63487 | 47.91011 | 14.2761 | 25.0739 | 40.73324 | 7.09923 | 22.71077 | 44.59514 | 10.96113 | 55.24887 |
| 7/3/2025 | 11:00:00 PM | 33.65073 | 59.75147 | 26.10074 | 21.62926 | 46.6592 | 13.00847 | 25.64153 | 47.9208 | 14.27007 | 25.07993 | 40.74039 | 7.08966 | 22.72034 | 44.59871 | 10.94798 | 55.26202 |
| 7/4/2025 | 12:00:00 AM | 33.6407 | 59.75147 | 26.11077 | 21.61923 | 46.67932 | 13.03862 | 25.61138 | 47.92794 | 14.28724 | 25.06276 | 40.73682 | 7.09612 | 22.71388 | 44.60229 | 10.96159 | 55.24841 |
| 7/4/2025 | 1:00:00 AM | 33.64404 | 59.74432 | 26.10028 | 21.62972 | 46.69274 | 13.0487 | 25.6013 | 47.91367 | 14.26963 | 25.08037 | 40.72608 | 7.08204 | 22.72796 | 44.59157 | 10.94753 | 55.26247 |
| 7/4/2025 | 2:00:00 AM | 33.6407 | 59.74432 | 26.10362 | 21.62638 | 46.70951 | 13.06881 | 25.58119 | 47.91724 | 14.27654 | 25.07346 | 40.72608 | 7.08538 | 22.72462 | 44.58799 | 10.94729 | 55.26271 |
| 7/4/2025 | 3:00:00 AM | 33.61729 | 59.72647 | 26.10918 | 21.62082 | 46.69945 | 13.08216 | 25.56784 | 47.89941 | 14.28212 | 25.06788 | 40.71535 | 7.09806 | 22.71194 | 44.5737 | 10.95641 | 55.25359 |
| 7/4/2025 | 4:00:00 AM | 33.60392 | 59.71933 | 26.11541 | 21.61459 | 46.7028 | 13.09888 | 25.55112 | 47.88159 | 14.27767 | 25.07233 | 40.70819 | 7.10427 | 22.70573 | 44.5594 | 10.95548 | 55.25452 |
| 7/4/2025 | 5:00:00 AM | 33.61729 | 59.73361 | 26.11632 | 21.61368 | 46.72963 | 13.11234 | 25.53766 | 47.90298 | 14.28569 | 25.06431 | 40.71535 | 7.09806 | 22.71194 | 44.5737 | 10.95641 | 55.25359 |
| 7/4/2025 | 6:00:00 AM | 33.6407 | 59.75861 | 26.11791 | 21.61209 | 46.75982 | 13.11912 | 25.53088 | 47.91367 | 14.27297 | 25.07703 | 40.72608 | 7.08538 | 22.72462 | 44.59871 | 10.95801 | 55.25199 |
| 7/4/2025 | 7:00:00 AM | 33.63736 | 59.75504 | 26.11768 | 21.61232 | 46.77323 | 13.13587 | 25.51413 | 47.9208 | 14.28344 | 25.06656 | 40.71893 | 7.08157 | 22.72843 | 44.59871 | 10.96135 | 55.24865 |
| 7/4/2025 | 8:00:00 AM | 33.6407 | 59.76218 | 26.12148 | 21.60852 | 46.79 | 13.1493 | 25.5007 | 47.9315 | 14.2908 | 25.0592 | 40.72608 | 7.08538 | 22.72462 | 44.59871 | 10.95801 | 55.25199 |
| 7/4/2025 | 9:00:00 AM | 33.65408 | 59.76575 | 26.11167 | 21.61833 | 46.81348 | 13.1594 | 25.4906 | 47.93863 | 14.28455 | 25.06545 | 40.72966 | 7.07558 | 22.73442 | 44.60229 | 10.94821 | 55.26179 |
| 7/4/2025 | 10:00:00 AM | 33.65073 | 59.76575 | 26.11502 | 21.61498 | 46.81348 | 13.16275 | 25.48725 | 47.9422 | 14.29147 | 25.05853 | 40.7225 | 7.07177 | 22.73823 | 44.59514 | 10.94441 | 55.26559 |
| 7/4/2025 | 11:00:00 AM | 33.64739 | 59.76575 | 26.11836 | 21.61164 | 46.82019 | 13.1728 | 25.4772 | 47.93863 | 14.29124 | 25.05876 | 40.72608 | 7.07869 | 22.73131 | 44.59871 | 10.95132 | 55.25868 |
| 7/4/2025 | 12:00:00 PM | 33.6407 | 59.75504 | 26.11434 | 21.61566 | 46.81012 | 13.16942 | 25.48058 | 47.93507 | 14.29437 | 25.05563 | 40.7225 | 7.0818 | 22.7282 | 44.58799 | 10.94729 | 55.26271 |
| 7/4/2025 | 1:00:00 PM | 33.64404 | 59.75861 | 26.11457 | 21.61543 | 46.80006 | 13.15602 | 25.49398 | 47.93507 | 14.29103 | 25.05897 | 40.72608 | 7.08204 | 22.72796 | 44.59157 | 10.94753 | 55.26247 |
| 7/4/2025 | 2:00:00 PM | 33.66076 | 59.76218 | 26.10142 | 21.62858 | 46.80006 | 13.1393 | 25.5107 | 47.9422 | 14.28144 | 25.06856 | 40.72966 | 7.0689 | 22.7411 | 44.60586 | 10.9451 | 55.2649 |
| 7/4/2025 | 3:00:00 PM | 33.65742 | 59.75861 | 26.10119 | 21.62881 | 46.77994 | 13.12252 | 25.52748 | 47.94933 | 14.29191 | 25.05809 | 40.73682 | 7.0794 | 22.7306 | 44.60229 | 10.94487 | 55.26513 |
| 7/4/2025 | 4:00:00 PM | 33.67748 | 59.76932 | 26.09184 | 21.63816 | 46.76988 | 13.0924 | 25.5576 | 47.95289 | 14.27541 | 25.07459 | 40.73324 | 7.05576 | 22.75424 | 44.60944 | 10.93196 | 55.27804 |
| 7/4/2025 | 5:00:00 PM | 33.69086 | 59.76932 | 26.07846 | 21.65154 | 46.7464 | 13.05554 | 25.59446 | 47.96359 | 14.27273 | 25.07727 | 40.7547 | 7.06384 | 22.74616 | 44.62373 | 10.93287 | 55.27713 |
| 7/4/2025 | 6:00:00 PM | 33.70758 | 59.78717 | 26.07959 | 21.65041 | 46.74975 | 13.04217 | 25.60783 | 47.97785 | 14.27027 | 25.07973 | 40.77617 | 7.06859 | 22.74141 | 44.64518 | 10.9376 | 55.2724 |
| 7/4/2025 | 7:00:00 PM | 33.73433 | 59.79789 | 26.06356 | 21.66644 | 46.7464 | 13.01207 | 25.63793 | 48.00637 | 14.27204 | 25.07796 | 40.77259 | 7.03826 | 22.77174 | 44.6559 | 10.92157 | 55.28843 |
| 7/4/2025 | 8:00:00 PM | 33.74102 | 59.82645 | 26.08543 | 21.64457 | 46.7464 | 13.00538 | 25.64462 | 48.0135 | 14.27248 | 25.07752 | 40.79406 | 7.05304 | 22.75696 | 44.66304 | 10.92202 | 55.28798 |
| 7/4/2025 | 9:00:00 PM | 33.76443 | 59.81931 | 26.05488 | 21.67512 | 46.75311 | 12.98868 | 25.66132 | 48.0135 | 14.24907 | 25.10093 | 40.80122 | 7.03679 | 22.77321 | 44.66304 | 10.89861 | 55.31139 |
| 7/4/2025 | 10:00:00 PM | 33.79118 | 59.85502 | 26.06384 | 21.66616 | 46.78329 | 12.99211 | 25.65789 | 48.04559 | 14.25441 | 25.09559 | 40.81911 | 7.02793 | 22.78207 | 44.67734 | 10.88616 | 55.32384 |
| 7/4/2025 | 11:00:00 PM | 33.80456 | 59.86216 | 26.0576 | 21.6724 | 46.80006 | 12.9955 | 25.6545 | 48.05628 | 14.25172 | 25.09828 | 40.82626 | 7.0217 | 22.7883 | 44.68449 | 10.87993 | 55.33007 |
| 7/5/2025 | 12:00:00 AM | 33.81793 | 59.87645 | 26.05852 | 21.67148 | 46.83695 | 13.01902 | 25.63098 | 48.06342 | 14.24549 | 25.10451 | 40.83699 | 7.01906 | 22.79094 | 44.69164 | 10.87371 | 55.33629 |
| 7/5/2025 | 1:00:00 AM | 33.81793 | 59.88002 | 26.06209 | 21.66791 | 46.84702 | 13.02909 | 25.62091 | 48.06342 | 14.24549 | 25.10451 | 40.83699 | 7.01906 | 22.79094 | 44.68091 | 10.86298 | 55.34702 |
| 7/5/2025 | 2:00:00 AM | 33.81793 | 59.88359 | 26.06566 | 21.66434 | 46.86043 | 13.0425 | 25.6075 | 48.06698 | 14.24905 | 25.10095 | 40.83699 | 7.01906 | 22.79094 | 44.66662 | 10.84869 | 55.36131 |
| 7/5/2025 | 3:00:00 AM | 33.82462 | 59.88716 | 26.06254 | 21.66746 | 46.88391 | 13.05929 | 25.59071 | 48.07411 | 14.24949 | 25.10051 | 40.84415 | 7.01953 | 22.79047 | 44.68449 | 10.85987 | 55.35013 |
| 7/5/2025 | 4:00:00 AM | 33.838 | 59.90144 | 26.06344 | 21.66656 | 46.91074 | 13.07274 | 25.57726 | 48.07768 | 14.23968 | 25.11032 | 40.85846 | 7.02046 | 22.78954 | 44.68806 | 10.85006 | 55.35994 |
| 7/5/2025 | 5:00:00 AM | 33.8614 | 59.92644 | 26.06504 | 21.66496 | 46.94428 | 13.08288 | 25.56712 | 48.09907 | 14.23767 | 25.11233 | 40.87993 | 7.01853 | 22.79147 | 44.70593 | 10.84453 | 55.36547 |
| 7/5/2025 | 6:00:00 AM | 33.88147 | 59.94072 | 26.05925 | 21.67075 | 46.97111 | 13.08964 | 25.56036 | 48.12046 | 14.23899 | 25.11101 | 40.88708 | 7.00561 | 22.80439 | 44.70951 | 10.82804 | 55.38196 |
| 7/5/2025 | 7:00:00 AM | 33.8915 | 59.94786 | 26.05636 | 21.67364 | 46.99459 | 13.10309 | 25.54691 | 48.13116 | 14.23966 | 25.11034 | 40.90497 | 7.01347 | 22.79653 | 44.7238 | 10.8323 | 55.3777 |
| 7/5/2025 | 8:00:00 AM | 33.89819 | 59.95858 | 26.06039 | 21.66961 | 47.02142 | 13.12323 | 25.52677 | 48.14542 | 14.24723 | 25.10277 | 40.90139 | 7.0032 | 22.8068 | 44.72023 | 10.82204 | 55.38796 |
| 7/5/2025 | 9:00:00 AM | 33.90822 | 59.96572 | 26.0575 | 21.6725 | 47.03148 | 13.12326 | 25.52674 | 48.15968 | 14.25146 | 25.09854 | 40.91571 | 7.00749 | 22.80251 | 44.73452 | 10.8263 | 55.3837 |
| 7/5/2025 | 10:00:00 AM | 33.91156 | 59.97286 | 26.0613 | 21.6687 | 47.0449 | 13.13334 | 25.51666 | 48.15968 | 14.24812 | 25.10188 | 40.91928 | 7.00772 | 22.80228 | 44.7238 | 10.81224 | 55.39776 |
| 7/5/2025 | 11:00:00 AM | 33.90153 | 59.96929 | 26.06776 | 21.66224 | 47.0449 | 13.14337 | 25.50663 | 48.15255 | 14.25102 | 25.09898 | 40.92286 | 7.02133 | 22.78867 | 44.7238 | 10.82227 | 55.38773 |
| 7/5/2025 | 12:00:00 PM | 33.91825 | 59.97643 | 26.05818 | 21.67182 | 47.03819 | 13.11994 | 25.53006 | 48.15968 | 14.24143 | 25.10857 | 40.93002 | 7.01177 | 22.79823 | 44.72737 | 10.80912 | 55.40088 |
| 7/5/2025 | 1:00:00 PM | 33.90153 | 59.95501 | 26.05348 | 21.67652 | 47.02477 | 13.12324 | 25.52676 | 48.16324 | 14.26171 | 25.08829 | 40.93002 | 7.02849 | 22.78151 | 44.72023 | 10.8187 | 55.3913 |
| 7/5/2025 | 2:00:00 PM | 33.89484 | 59.95501 | 26.06017 | 21.66983 | 46.99794 | 13.1031 | 25.5469 | 48.15611 | 14.26127 | 25.08873 | 40.92286 | 7.02802 | 22.78198 | 44.71665 | 10.82181 | 55.38819 |
| 7/5/2025 | 3:00:00 PM | 33.89819 | 59.95858 | 26.06039 | 21.66961 | 46.98788 | 13.08969 | 25.56031 | 48.14898 | 14.25079 | 25.09921 | 40.93717 | 7.03898 | 22.77102 | 44.7238 | 10.82561 | 55.38439 |
| 7/5/2025 | 4:00:00 PM | 33.89819 | 59.95501 | 26.05682 | 21.67318 | 46.95769 | 13.0595 | 25.5905 | 48.14898 | 14.25079 | 25.09921 | 40.93359 | 7.0354 | 22.7746 | 44.7238 | 10.82561 | 55.38439 |
| 7/5/2025 | 5:00:00 PM | 33.89484 | 59.94429 | 26.04945 | 21.68055 | 46.93086 | 13.03602 | 25.61398 | 48.14185 | 14.24701 | 25.10299 | 40.93002 | 7.03518 | 22.77482 | 44.72023 | 10.82539 | 55.38461 |
| 7/5/2025 | 6:00:00 PM | 33.88481 | 59.94072 | 26.05591 | 21.67409 | 46.89732 | 13.01251 | 25.63749 | 48.13116 | 14.24635 | 25.10365 | 40.93359 | 7.04878 | 22.76122 | 44.7238 | 10.83899 | 55.37101 |
| 7/5/2025 | 7:00:00 PM | 33.88816 | 59.94429 | 26.05613 | 21.67387 | 46.8772 | 12.98904 | 25.66096 | 48.13116 | 14.243 | 25.107 | 40.93359 | 7.04543 | 22.76457 | 44.73452 | 10.84636 | 55.36364 |
| 7/5/2025 | 8:00:00 PM | 33.88147 | 59.94429 | 26.06282 | 21.66718 | 46.86379 | 12.98232 | 25.66768 | 48.12402 | 14.24255 | 25.10745 | 40.93359 | 7.05212 | 22.75788 | 44.73095 | 10.84948 | 55.36052 |
| 7/5/2025 | 9:00:00 PM | 33.88816 | 59.94072 | 26.05256 | 21.67744 | 46.85372 | 12.96556 | 25.68444 | 48.12046 | 14.2323 | 25.1177 | 40.93717 | 7.04901 | 22.76099 | 44.73095 | 10.84279 | 55.36721 |
| 7/5/2025 | 10:00:00 PM | 33.90488 | 59.96215 | 26.05727 | 21.67273 | 46.86714 | 12.96226 | 25.68774 | 48.13116 | 14.22628 | 25.12372 | 40.95148 | 7.0466 | 22.7634 | 44.75597 | 10.85109 | 55.35891 |
| 7/5/2025 | 11:00:00 PM | 33.89484 | 59.95501 | 26.06017 | 21.66983 | 46.86714 | 12.9723 | 25.6777 | 48.12402 | 14.22918 | 25.12082 | 40.94433 | 7.04949 | 22.76051 | 44.74882 | 10.85398 | 55.35602 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/6/2025 | 12:00:00 AM | 33.88481 | 59.95143 | 26.06662 | 21.66338 | 46.86714 | 12.98233 | 25.66767 | 48.11333 | 14.22852 | 25.12148 | 40.93359 | 7.04878 | 22.76122 | 44.7381 | 10.85329 | 55.35671 |
| 7/6/2025 | 1:00:00 AM | 33.88147 | 59.95858 | 26.07711 | 21.65289 | 46.88726 | 13.00579 | 25.64421 | 48.10976 | 14.22829 | 25.12171 | 40.93002 | 7.04855 | 22.76145 | 44.74524 | 10.86377 | 55.34623 |
| 7/6/2025 | 2:00:00 AM | 33.88481 | 59.95501 | 26.0702 | 21.6598 | 46.89062 | 13.00581 | 25.64419 | 48.10976 | 14.22495 | 25.12505 | 40.93359 | 7.04878 | 22.76122 | 44.7381 | 10.85329 | 55.35671 |
| 7/6/2025 | 3:00:00 AM | 33.87812 | 59.95501 | 26.07689 | 21.65311 | 46.90739 | 13.02927 | 25.62073 | 48.09907 | 14.22095 | 25.12905 | 40.92644 | 7.04832 | 22.76168 | 44.7381 | 10.85998 | 55.35002 |
| 7/6/2025 | 4:00:00 AM | 33.88147 | 59.95143 | 26.06996 | 21.66004 | 46.92751 | 13.04604 | 25.60396 | 48.0955 | 14.21403 | 25.13597 | 40.93359 | 7.05212 | 22.75788 | 44.74167 | 10.8602 | 55.3498 |
| 7/6/2025 | 5:00:00 AM | 33.88147 | 59.96572 | 26.08425 | 21.64575 | 46.94428 | 13.06281 | 25.58719 | 48.11333 | 14.23186 | 25.11814 | 40.94075 | 7.05928 | 22.75072 | 44.75597 | 10.8745 | 55.3355 |
| 7/6/2025 | 6:00:00 AM | 33.88816 | 59.97286 | 26.0847 | 21.6453 | 46.95769 | 13.06953 | 25.58047 | 48.11689 | 14.22873 | 25.12127 | 40.93359 | 7.04543 | 22.76457 | 44.75239 | 10.86423 | 55.34577 |
| 7/6/2025 | 7:00:00 AM | 33.88147 | 59.97643 | 26.09496 | 21.63504 | 46.96776 | 13.08629 | 25.56371 | 48.11689 | 14.23542 | 25.11458 | 40.93359 | 7.05212 | 22.75788 | 44.75954 | 10.87807 | 55.33193 |
| 7/6/2025 | 8:00:00 AM | 33.88481 | 59.96572 | 26.08091 | 21.64909 | 46.98117 | 13.09636 | 25.55364 | 48.10976 | 14.22495 | 25.12505 | 40.93002 | 7.04521 | 22.76479 | 44.75239 | 10.86758 | 55.34242 |
| 7/6/2025 | 9:00:00 AM | 33.87812 | 59.96929 | 26.09117 | 21.63883 | 46.99459 | 13.11647 | 25.53353 | 48.10976 | 14.23164 | 25.11836 | 40.92644 | 7.04832 | 22.76168 | 44.74524 | 10.86712 | 55.34288 |
| 7/6/2025 | 10:00:00 AM | 33.85472 | 59.95501 | 26.10029 | 21.62971 | 46.97446 | 13.11974 | 25.53026 | 48.0955 | 14.24078 | 25.10922 | 40.91213 | 7.05741 | 22.75259 | 44.73452 | 10.8798 | 55.3302 |
| 7/6/2025 | 11:00:00 AM | 33.83465 | 59.94429 | 26.10964 | 21.62036 | 46.9644 | 13.12975 | 25.52025 | 48.08481 | 14.25016 | 25.09984 | 40.91571 | 7.08106 | 22.72894 | 44.7238 | 10.88915 | 55.32085 |
| 7/6/2025 | 12:00:00 PM | 33.82128 | 59.91573 | 26.09445 | 21.63555 | 46.94763 | 13.12635 | 25.52365 | 48.07055 | 14.24927 | 25.10073 | 40.90139 | 7.08011 | 22.72989 | 44.71665 | 10.89537 | 55.31463 |
| 7/6/2025 | 1:00:00 PM | 33.79452 | 59.89787 | 26.10335 | 21.62665 | 46.91745 | 13.12293 | 25.52707 | 48.04559 | 14.25107 | 25.09893 | 40.88351 | 7.08899 | 22.72101 | 44.69521 | 10.90069 | 55.30931 |
| 7/6/2025 | 2:00:00 PM | 33.77446 | 59.88002 | 26.10556 | 21.62444 | 46.88056 | 13.1061 | 25.5439 | 48.02776 | 14.2533 | 25.0967 | 40.87277 | 7.09831 | 22.71169 | 44.69878 | 10.92432 | 55.28568 |
| 7/6/2025 | 3:00:00 PM | 33.76777 | 59.8693 | 26.10153 | 21.62847 | 46.84702 | 13.07925 | 25.57075 | 48.02063 | 14.25286 | 25.09714 | 40.86562 | 7.09785 | 22.71215 | 44.69878 | 10.93101 | 55.27899 |
| 7/6/2025 | 4:00:00 PM | 33.75105 | 59.86216 | 26.11111 | 21.61889 | 46.81683 | 13.06578 | 25.58422 | 47.99924 | 14.24819 | 25.10181 | 40.85846 | 7.10741 | 22.70259 | 44.69164 | 10.94059 | 55.26941 |
| 7/6/2025 | 5:00:00 PM | 33.73768 | 59.84074 | 26.10306 | 21.62694 | 46.77659 | 13.03891 | 25.61109 | 47.98854 | 14.25086 | 25.09914 | 40.84057 | 7.10289 | 22.70711 | 44.68806 | 10.95038 | 55.25962 |
| 7/6/2025 | 6:00:00 PM | 33.72764 | 59.83003 | 26.10239 | 21.62761 | 46.74305 | 13.01541 | 25.63459 | 47.97072 | 14.24308 | 25.10692 | 40.82984 | 7.1022 | 22.7078 | 44.67734 | 10.9497 | 55.2603 |
| 7/6/2025 | 7:00:00 PM | 33.72096 | 59.82645 | 26.10549 | 21.62451 | 46.69945 | 12.97849 | 25.67151 | 47.97072 | 14.24976 | 25.10024 | 40.82268 | 7.10172 | 22.70828 | 44.68806 | 10.9671 | 55.2429 |
| 7/6/2025 | 8:00:00 PM | 33.73099 | 59.82645 | 26.09546 | 21.63454 | 46.68938 | 12.95839 | 25.69161 | 47.96002 | 14.22903 | 25.12097 | 40.82268 | 7.09169 | 22.71831 | 44.69521 | 10.96422 | 55.24578 |
| 7/6/2025 | 9:00:00 PM | 33.72764 | 59.82645 | 26.09881 | 21.63119 | 46.68268 | 12.95504 | 25.69496 | 47.96002 | 14.23238 | 25.11762 | 40.82268 | 7.09504 | 22.71496 | 44.70593 | 10.97829 | 55.23171 |
| 7/6/2025 | 10:00:00 PM | 33.73099 | 59.82645 | 26.09546 | 21.63454 | 46.67932 | 12.94833 | 25.70167 | 47.96359 | 14.2326 | 25.1174 | 40.82268 | 7.09169 | 22.71831 | 44.69878 | 10.96779 | 55.24221 |
| 7/6/2025 | 11:00:00 PM | 33.7243 | 59.83003 | 26.10573 | 21.62427 | 46.67597 | 12.95167 | 25.69833 | 47.95289 | 14.22859 | 25.12141 | 40.80479 | 7.08049 | 22.72951 | 44.69878 | 10.97448 | 55.23552 |
| 7/7/2025 | 12:00:00 AM | 33.71761 | 59.81574 | 26.09813 | 21.63187 | 46.67597 | 12.95836 | 25.69164 | 47.9315 | 14.21389 | 25.13611 | 40.79764 | 7.08003 | 22.72997 | 44.68806 | 10.97045 | 55.23955 |
| 7/7/2025 | 1:00:00 AM | 33.71092 | 59.8086 | 26.09768 | 21.63232 | 46.69274 | 12.98182 | 25.66818 | 47.93863 | 14.22771 | 25.12229 | 40.79406 | 7.08314 | 22.72686 | 44.68091 | 10.96999 | 55.24001 |
| 7/7/2025 | 2:00:00 AM | 33.70424 | 59.8086 | 26.10436 | 21.62564 | 46.7028 | 12.99856 | 25.65144 | 47.92437 | 14.22013 | 25.12987 | 40.78333 | 7.07909 | 22.73091 | 44.67377 | 10.96953 | 55.24047 |
| 7/7/2025 | 3:00:00 AM | 33.6942 | 59.80146 | 26.10726 | 21.62274 | 46.69945 | 13.00525 | 25.64475 | 47.9208 | 14.2266 | 25.1234 | 40.77259 | 7.07839 | 22.73161 | 44.67019 | 10.97599 | 55.23401 |
| 7/7/2025 | 4:00:00 AM | 33.68417 | 59.79789 | 26.11372 | 21.61628 | 46.71286 | 13.02869 | 25.62131 | 47.91011 | 14.22594 | 25.12406 | 40.77617 | 7.092 | 22.718 | 44.67019 | 10.98602 | 55.22398 |
| 7/7/2025 | 5:00:00 AM | 33.68752 | 59.79432 | 26.1068 | 21.6232 | 46.73634 | 13.04882 | 25.60118 | 47.91367 | 14.22615 | 25.12385 | 40.77259 | 7.08507 | 22.72493 | 44.67377 | 10.98625 | 55.22375 |
| 7/7/2025 | 6:00:00 AM | 33.68417 | 59.80146 | 26.11729 | 21.61271 | 46.74305 | 13.05888 | 25.59112 | 47.91011 | 14.22594 | 25.12406 | 40.75828 | 7.07411 | 22.73589 | 44.66662 | 10.98245 | 55.22755 |
| 7/7/2025 | 7:00:00 AM | 33.68417 | 59.79432 | 26.11015 | 21.61985 | 46.76652 | 13.08235 | 25.56765 | 47.91724 | 14.23307 | 25.11693 | 40.76186 | 7.07769 | 22.73231 | 44.67019 | 10.98602 | 55.22398 |
| 7/7/2025 | 8:00:00 AM | 33.67748 | 59.79789 | 26.12041 | 21.60959 | 46.76988 | 13.0924 | 25.5576 | 47.91011 | 14.23263 | 25.11737 | 40.7547 | 7.07722 | 22.73278 | 44.66304 | 10.98556 | 55.22444 |
| 7/7/2025 | 9:00:00 AM | 33.67748 | 59.79432 | 26.11684 | 21.61316 | 46.78329 | 13.10581 | 25.54419 | 47.91011 | 14.23263 | 25.11737 | 40.7547 | 7.07722 | 22.73278 | 44.66304 | 10.98556 | 55.22444 |
| 7/7/2025 | 10:00:00 AM | 33.65742 | 59.77289 | 26.11547 | 21.61453 | 46.76317 | 13.10575 | 25.54425 | 47.88872 | 14.2313 | 25.1187 | 40.73324 | 7.07582 | 22.73418 | 44.63803 | 10.98061 | 55.22939 |
| 7/7/2025 | 11:00:00 AM | 33.63401 | 59.76218 | 26.12817 | 21.60183 | 46.75311 | 13.1191 | 25.5309 | 47.87802 | 14.24401 | 25.10599 | 40.7225 | 7.08849 | 22.72151 | 44.63088 | 10.99687 | 55.21313 |
| 7/7/2025 | 12:00:00 PM | 33.63067 | 59.75861 | 26.12794 | 21.60206 | 46.73969 | 13.10902 | 25.54098 | 47.86733 | 14.23666 | 25.11334 | 40.7225 | 7.09183 | 22.71817 | 44.62016 | 10.98949 | 55.22051 |
| 7/7/2025 | 1:00:00 PM | 33.61729 | 59.73004 | 26.11275 | 21.61725 | 46.71286 | 13.09557 | 25.55443 | 47.85306 | 14.23577 | 25.11423 | 40.70462 | 7.08733 | 22.72267 | 44.61658 | 10.99929 | 55.21071 |
| 7/7/2025 | 2:00:00 PM | 33.60726 | 59.71576 | 26.1085 | 21.6215 | 46.68603 | 13.07877 | 25.57123 | 47.8495 | 14.24224 | 25.10776 | 40.69746 | 7.0902 | 22.7198 | 44.60944 | 11.00218 | 55.20782 |
| 7/7/2025 | 3:00:00 PM | 33.59054 | 59.71219 | 26.12165 | 21.60835 | 46.64914 | 13.0586 | 25.5914 | 47.82811 | 14.23757 | 25.11243 | 40.6903 | 7.09976 | 22.71024 | 44.60229 | 11.01175 | 55.19825 |
| 7/7/2025 | 4:00:00 PM | 33.58385 | 59.69433 | 26.11048 | 21.61952 | 46.61224 | 13.02839 | 25.62161 | 47.81741 | 14.23356 | 25.11644 | 40.67599 | 7.09214 | 22.71786 | 44.59871 | 11.01486 | 55.19514 |
| 7/7/2025 | 5:00:00 PM | 33.56379 | 59.68005 | 26.11626 | 21.61374 | 46.56864 | 13.00485 | 25.64515 | 47.79959 | 14.2358 | 25.1142 | 40.66526 | 7.10147 | 22.70853 | 44.58799 | 11.0242 | 55.1858 |
| 7/7/2025 | 6:00:00 PM | 33.5571 | 59.66219 | 26.10509 | 21.62491 | 46.53175 | 12.97465 | 25.67535 | 47.77819 | 14.22109 | 25.12891 | 40.65453 | 7.09743 | 22.71257 | 44.58084 | 11.02374 | 55.18626 |
| 7/7/2025 | 7:00:00 PM | 33.55041 | 59.66219 | 26.11178 | 21.61822 | 46.50492 | 12.95451 | 25.69549 | 47.77463 | 14.22422 | 25.12578 | 40.65095 | 7.10054 | 22.70946 | 44.59157 | 11.04116 | 55.16884 |
| 7/7/2025 | 8:00:00 PM | 33.5571 | 59.66219 | 26.10509 | 21.62491 | 46.48815 | 12.93105 | 25.71895 | 47.77463 | 14.21753 | 25.13247 | 40.65453 | 7.09743 | 22.71257 | 44.60229 | 11.04519 | 55.16481 |
| 7/7/2025 | 9:00:00 PM | 33.56379 | 59.66219 | 26.0984 | 21.6316 | 46.48144 | 12.91765 | 25.73235 | 47.77819 | 14.2144 | 25.1356 | 40.65095 | 7.08716 | 22.72284 | 44.60586 | 11.04207 | 55.16793 |
| 7/7/2025 | 10:00:00 PM | 33.58385 | 59.67648 | 26.09263 | 21.63737 | 46.4848 | 12.90095 | 25.74905 | 47.78532 | 14.20147 | 25.14853 | 40.65453 | 7.07068 | 22.73932 | 44.60944 | 11.02559 | 55.18441 |
| 7/7/2025 | 11:00:00 PM | 33.58385 | 59.67648 | 26.09263 | 21.63737 | 46.50157 | 12.91772 | 25.73228 | 47.79245 | 14.2086 | 25.1414 | 40.65095 | 7.0671 | 22.7429 | 44.61301 | 11.02916 | 55.18084 |
| 7/8/2025 | 12:00:00 AM | 33.59388 | 59.68719 | 26.09331 | 21.63669 | 46.51834 | 12.92446 | 25.72554 | 47.79959 | 14.20571 | 25.14429 | 40.65095 | 7.05707 | 22.75293 | 44.62373 | 11.02985 | 55.18015 |
| 7/8/2025 | 1:00:00 AM | 33.59723 | 59.69076 | 26.09353 | 21.63647 | 46.53175 | 12.93452 | 25.71548 | 47.79602 | 14.19879 | 25.15121 | 40.64379 | 7.04656 | 22.76344 | 44.61301 | 11.01578 | 55.19422 |
| 7/8/2025 | 2:00:00 AM | 33.60392 | 59.69433 | 26.09041 | 21.63959 | 46.56529 | 12.96137 | 25.68863 | 47.81028 | 14.20636 | 25.14364 | 40.6581 | 7.05418 | 22.75582 | 44.61658 | 11.01266 | 55.19734 |
| 7/8/2025 | 3:00:00 AM | 33.60392 | 59.69076 | 26.08684 | 21.64316 | 46.58877 | 12.98485 | 25.66515 | 47.80315 | 14.19923 | 25.15077 | 40.65095 | 7.04703 | 22.76297 | 44.60586 | 11.00194 | 55.20806 |
| 7/8/2025 | 4:00:00 AM | 33.6106 | 59.69433 | 26.08373 | 21.64627 | 46.60889 | 12.99829 | 25.65171 | 47.80672 | 14.19612 | 25.15388 | 40.65095 | 7.04035 | 22.76965 | 44.61301 | 11.00241 | 55.20759 |
| 7/8/2025 | 5:00:00 AM | 33.6106 | 59.70504 | 26.09444 | 21.63556 | 46.62901 | 13.01841 | 25.63159 | 47.82098 | 14.21038 | 25.13962 | 40.65453 | 7.04393 | 22.76607 | 44.61658 | 11.00598 | 55.20402 |
| 7/8/2025 | 6:00:00 AM | 33.63067 | 59.71219 | 26.08152 | 21.64848 | 46.65585 | 13.02518 | 25.62482 | 47.82454 | 14.19387 | 25.15613 | 40.66526 | 7.03459 | 22.77541 | 44.62016 | 10.98949 | 55.22051 |
| 7/8/2025 | 7:00:00 AM | 33.62064 | 59.70504 | 26.0844 | 21.6456 | 46.66591 | 13.04527 | 25.60473 | 47.82454 | 14.2039 | 25.1461 | 40.65453 | 7.03389 | 22.77611 | 44.60229 | 10.98165 | 55.22835 |
| 7/8/2025 | 8:00:00 AM | 33.62732 | 59.71219 | 26.08487 | 21.64513 | 46.67932 | 13.052 | 25.598 | 47.83167 | 14.20435 | 25.14565 | 40.65453 | 7.02721 | 22.78279 | 44.60586 | 10.97854 | 55.23146 |
| 7/8/2025 | 9:00:00 AM | 33.63736 | 59.73004 | 26.09268 | 21.63732 | 46.69609 | 13.05873 | 25.59127 | 47.83167 | 14.19431 | 25.15569 | 40.66884 | 7.03148 | 22.77852 | 44.61301 | 10.97565 | 55.23435 |
| 7/8/2025 | 10:00:00 AM | 33.63401 | 59.7229 | 26.08889 | 21.64111 | 46.71622 | 13.08221 | 25.56779 | 47.84237 | 14.20836 | 25.14164 | 40.66168 | 7.02767 | 22.78233 | 44.60944 | 10.97543 | 55.23457 |
| 7/8/2025 | 11:00:00 AM | 33.6407 | 59.72647 | 26.08577 | 21.64423 | 46.71622 | 13.07552 | 25.57448 | 47.85306 | 14.21236 | 25.13764 | 40.66526 | 7.02456 | 22.78544 | 44.60944 | 10.96874 | 55.24126 |
| 7/8/2025 | 12:00:00 PM | 33.63736 | 59.71933 | 26.08197 | 21.64803 | 46.7028 | 13.06544 | 25.58456 | 47.84593 | 14.20857 | 25.14143 | 40.66526 | 7.0279 | 22.7821 | 44.60229 | 10.96493 | 55.24507 |
| 7/8/2025 | 1:00:00 PM | 33.6407 | 59.71933 | 26.07863 | 21.65137 | 46.68938 | 13.04868 | 25.60132 | 47.8495 | 14.2088 | 25.1412 | 40.66168 | 7.02098 | 22.78902 | 44.60229 | 10.96159 | 55.24841 |
| 7/8/2025 | 2:00:00 PM | 33.63736 | 59.70504 | 26.06768 | 21.66232 | 46.66255 | 13.02519 | 25.62481 | 47.8388 | 14.20144 | 25.14856 | 40.65453 | 7.01717 | 22.79283 | 44.58442 | 10.94706 | 55.26294 |
| 7/8/2025 | 3:00:00 PM | 33.62732 | 59.69076 | 26.06344 | 21.66656 | 46.63237 | 13.00505 | 25.64495 | 47.82098 | 14.19366 | 25.15634 | 40.6581 | 7.03078 | 22.77922 | 44.59514 | 10.96782 | 55.24218 |
| 7/8/2025 | 4:00:00 PM | 33.63401 | 59.70504 | 26.07103 | 21.65897 | 46.61895 | 12.98494 | 25.66506 | 47.83524 | 14.20123 | 25.14877 | 40.66884 | 7.03483 | 22.77517 | 44.59871 | 10.9647 | 55.2453 |
| 7/8/2025 | 5:00:00 PM | 33.62064 | 59.68719 | 26.06655 | 21.66345 | 46.57535 | 12.95471 | 25.69529 | 47.81741 | 14.19677 | 25.15323 | 40.65453 | 7.03389 | 22.77611 | 44.58799 | 10.96735 | 55.24265 |
| 7/8/2025 | 6:00:00 PM | 33.62398 | 59.69076 | 26.06678 | 21.66322 | 46.54852 | 12.92454 | 25.72546 | 47.81385 | 14.18987 | 25.16013 | 40.65453 | 7.03055 | 22.77945 | 44.59157 | 10.96759 | 55.24241 |
| 7/8/2025 | 7:00:00 PM | 33.64404 | 59.70147 | 26.05743 | 21.67257 | 46.54517 | 12.90113 | 25.74887 | 47.82811 | 14.18407 | 25.16593 | 40.67242 | 7.02838 | 22.78162 | 44.60229 | 10.95825 | 55.25175 |
| 7/8/2025 | 8:00:00 PM | 33.65073 | 59.71219 | 26.06146 | 21.66854 | 46.52504 | 12.87431 | 25.77569 | 47.8388 | 14.18807 | 25.16193 | 40.67242 | 7.02169 | 22.78831 | 44.61658 | 10.96585 | 55.24415 |
| 7/8/2025 | 9:00:00 PM | 33.65408 | 59.6979 | 26.04382 | 21.68618 | 46.52504 | 12.87096 | 25.77904 | 47.82454 | 14.17046 | 25.17954 | 40.66884 | 7.01476 | 22.79524 | 44.60944 | 10.95536 | 55.25464 |
| 7/8/2025 | 10:00:00 PM | 33.66745 | 59.7229 | 26.05545 | 21.67455 | 46.54517 | 12.87772 | 25.77228 | 47.84593 | 14.17848 | 25.17152 | 40.68315 | 7.0157 | 22.7943 | 44.62016 | 10.95271 | 55.25729 |
| 7/8/2025 | 11:00:00 PM | 33.68752 | 59.73004 | 26.04252 | 21.68748 | 46.56529 | 12.87777 | 25.77223 | 47.85663 | 14.16911 | 25.18089 | 40.68673 | 6.99921 | 22.81079 | 44.62373 | 10.93621 | 55.27379 |
| 7/9/2025 | 12:00:00 AM | 33.68083 | 59.74075 | 26.05992 | 21.67008 | 46.58206 | 12.90123 | 25.74877 | 47.84593 | 14.1651 | 25.1849 | 40.68673 | 7.0059 | 22.8041 | 44.61658 | 10.93575 | 55.27425 |
| 7/9/2025 | 1:00:00 AM | 33.68752 | 59.73718 | 26.04966 | 21.68034 | 46.61224 | 12.92472 | 25.72528 | 47.85663 | 14.16911 | 25.18089 | 40.69388 | 7.00636 | 22.80364 | 44.63088 | 10.94336 | 55.26664 |
| 7/9/2025 | 2:00:00 AM | 33.69755 | 59.74432 | 26.04677 | 21.68323 | 46.64243 | 12.94488 | 25.70512 | 47.87089 | 14.17334 | 25.17666 | 40.70104 | 7.00349 | 22.80651 | 44.63088 | 10.93333 | 55.27667 |
| 7/9/2025 | 3:00:00 AM | 33.6942 | 59.75147 | 26.05727 | 21.67273 | 46.66255 | 12.96835 | 25.68165 | 47.86733 | 14.17313 | 25.17687 | 40.70104 | 7.00684 | 22.80316 | 44.62373 | 10.92953 | 55.28047 |
| 7/9/2025 | 4:00:00 AM | 33.70089 | 59.75861 | 26.05772 | 21.67228 | 46.68268 | 12.98179 | 25.66821 | 47.86733 | 14.16644 | 25.18356 | 40.70104 | 7.00015 | 22.80985 | 44.62016 | 10.91927 | 55.29073 |
| 7/9/2025 | 5:00:00 AM | 33.70089 | 59.75861 | 26.05772 | 21.67228 | 46.70951 | 13.00862 | 25.64138 | 47.87802 | 14.17713 | 25.17287 | 40.70104 | 7.00015 | 22.80985 | 44.62731 | 10.92642 | 55.28358 |
| 7/9/2025 | 6:00:00 AM | 33.72096 | 59.77289 | 26.05193 | 21.67807 | 46.73969 | 13.01873 | 25.63127 | 47.88872 | 14.16776 | 25.18224 | 40.7225 | 7.00154 | 22.80846 | 44.6416 | 10.92064 | 55.28936 |
| 7/9/2025 | 7:00:00 AM | 33.73099 | 59.78003 | 26.04904 | 21.68096 | 46.75646 | 13.02547 | 25.62453 | 47.89941 | 14.16842 | 25.18158 | 40.7225 | 6.99151 | 22.81849 | 44.63803 | 10.90704 | 55.30296 |
| 7/9/2025 | 8:00:00 AM | 33.73768 | 59.79432 | 26.05664 | 21.67336 | 46.77994 | 13.04226 | 25.60774 | 47.91367 | 14.17599 | 25.17401 | 40.72966 | 6.99198 | 22.81802 | 44.65232 | 10.91464 | 55.29536 |
| 7/9/2025 | 9:00:00 AM | 33.74771 | 59.79789 | 26.05018 | 21.67982 | 46.80342 | 13.05571 | 25.59429 | 47.92794 | 14.18023 | 25.16977 | 40.73324 | 6.98553 | 22.82447 | 44.64518 | 10.89747 | 55.31253 |
| 7/9/2025 | 10:00:00 AM | 33.76108 | 59.81931 | 26.05823 | 21.67177 | 46.83025 | 13.06917 | 25.58083 | 47.9422 | 14.18112 | 25.16888 | 40.75113 | 6.99005 | 22.81995 | 44.66304 | 10.90196 | 55.30804 |
| 7/9/2025 | 11:00:00 AM | 33.77446 | 59.81931 | 26.04485 | 21.68515 | 46.84366 | 13.0692 | 25.5808 | 47.95646 | 14.182 | 25.168 | 40.7547 | 6.98024 | 22.82976 | 44.66304 | 10.88858 | 55.32142 |
| 7/9/2025 | 12:00:00 PM | 33.78784 | 59.84074 | 26.0529 | 21.6771 | 46.87049 | 13.08265 | 25.56735 | 47.96715 | 14.17931 | 25.17069 | 40.76902 | 6.98118 | 22.82882 | 44.67377 | 10.88593 | 55.32407 |
| 7/9/2025 | 1:00:00 PM | 33.79452 | 59.84431 | 26.04979 | 21.68021 | 46.88056 | 13.08604 | 25.56396 | 47.97072 | 14.1762 | 25.1738 | 40.76186 | 6.96734 | 22.84266 | 44.65947 | 10.86495 | 55.34505 |
| 7/9/2025 | 2:00:00 PM | 33.80121 | 59.85859 | 26.05738 | 21.67262 | 46.90739 | 13.10618 | 25.54382 | 47.98141 | 14.1802 | 25.1698 | 40.77259 | 6.97138 | 22.83862 | 44.67377 | 10.87256 | 55.33744 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/9/2025 | 3:00:00 PM | 33.79787 | 59.85502 | 26.05715 | 21.67285 | 46.91745 | 13.11958 | 25.53042 | 47.98854 | 14.19067 | 25.15933 | 40.77617 | 6.9783 | 22.8317 | 44.67377 | 10.8759 | 55.3341 |
| 7/9/2025 | 4:00:00 PM | 33.80121 | 59.85502 | 26.05381 | 21.67619 | 46.92416 | 13.12295 | 25.52705 | 47.99211 | 14.1909 | 25.1591 | 40.78333 | 6.98212 | 22.82788 | 44.68449 | 10.88328 | 55.32672 |
| 7/9/2025 | 5:00:00 PM | 33.79787 | 59.85859 | 26.06072 | 21.66928 | 46.94093 | 13.14306 | 25.50694 | 48.00281 | 14.20494 | 25.14506 | 40.78333 | 6.98546 | 22.82454 | 44.67377 | 10.8759 | 55.3341 |
| 7/9/2025 | 6:00:00 PM | 33.80121 | 59.86216 | 26.06095 | 21.66905 | 46.95434 | 13.15313 | 25.49687 | 48.00637 | 14.20516 | 25.14484 | 40.78333 | 6.98212 | 22.82788 | 44.67377 | 10.87256 | 55.33744 |
| 7/9/2025 | 7:00:00 PM | 33.80121 | 59.87288 | 26.07167 | 21.65833 | 46.96105 | 13.15984 | 25.49016 | 48.00637 | 14.20516 | 25.14484 | 40.79048 | 6.98927 | 22.82073 | 44.68091 | 10.8797 | 55.3303 |
| 7/9/2025 | 8:00:00 PM | 33.81459 | 59.88002 | 26.06543 | 21.66457 | 46.99459 | 13.18 | 25.47 | 48.02776 | 14.21317 | 25.13683 | 40.79764 | 6.98305 | 22.82695 | 44.69164 | 10.87705 | 55.33295 |
| 7/9/2025 | 9:00:00 PM | 33.81124 | 59.88359 | 26.07235 | 21.65765 | 47.01136 | 13.20012 | 25.44988 | 48.04202 | 14.23078 | 25.11922 | 40.80479 | 6.99355 | 22.81645 | 44.69878 | 10.88754 | 55.32246 |
| 7/9/2025 | 10:00:00 PM | 33.838 | 59.91573 | 26.07773 | 21.65227 | 47.04154 | 13.20354 | 25.44646 | 48.04915 | 14.21115 | 25.13885 | 40.81553 | 6.97753 | 22.83247 | 44.71308 | 10.87508 | 55.33492 |
| 7/9/2025 | 11:00:00 PM | 33.84468 | 59.91573 | 26.07105 | 21.65895 | 47.06166 | 13.21698 | 25.43302 | 48.06698 | 14.2223 | 25.1277 | 40.81911 | 6.97443 | 22.83557 | 44.72023 | 10.87555 | 55.33445 |
| 7/10/2025 | 12:00:00 AM | 33.84134 | 59.91573 | 26.07439 | 21.65561 | 47.06502 | 13.22368 | 25.42632 | 48.06342 | 14.22208 | 25.12792 | 40.81911 | 6.97777 | 22.83223 | 44.70951 | 10.86817 | 55.34183 |
| 7/10/2025 | 1:00:00 AM | 33.838 | 59.92287 | 26.08487 | 21.64513 | 47.07508 | 13.23708 | 25.41292 | 48.06698 | 14.22898 | 25.12102 | 40.82268 | 6.98468 | 22.82532 | 44.70593 | 10.86793 | 55.34207 |
| 7/10/2025 | 2:00:00 AM | 33.85137 | 59.93358 | 26.08221 | 21.64779 | 47.09185 | 13.24048 | 25.40952 | 48.08481 | 14.23344 | 25.11656 | 40.82984 | 6.97847 | 22.83153 | 44.72023 | 10.86886 | 55.34114 |
| 7/10/2025 | 3:00:00 AM | 33.85137 | 59.93358 | 26.08221 | 21.64779 | 47.10191 | 13.25054 | 25.39946 | 48.08124 | 14.22987 | 25.12013 | 40.83342 | 6.98205 | 22.82795 | 44.71665 | 10.86528 | 55.34472 |
| 7/10/2025 | 4:00:00 AM | 33.85472 | 59.93358 | 26.07886 | 21.65114 | 47.11197 | 13.25725 | 25.39275 | 48.08837 | 14.23365 | 25.11635 | 40.83699 | 6.98227 | 22.82773 | 44.72737 | 10.87265 | 55.33735 |
| 7/10/2025 | 5:00:00 AM | 33.86475 | 59.94429 | 26.07954 | 21.65046 | 47.12203 | 13.25728 | 25.39272 | 48.1062 | 14.24145 | 25.10855 | 40.84057 | 6.97582 | 22.83418 | 44.72023 | 10.85548 | 55.35452 |
| 7/10/2025 | 6:00:00 AM | 33.86809 | 59.95143 | 26.08334 | 21.64666 | 47.1388 | 13.27071 | 25.37929 | 48.11333 | 14.24524 | 25.10476 | 40.85131 | 6.98322 | 22.82678 | 44.73095 | 10.86286 | 55.34714 |
| 7/10/2025 | 7:00:00 AM | 33.88147 | 59.96215 | 26.08068 | 21.64932 | 47.15222 | 13.27075 | 25.37925 | 48.12046 | 14.23899 | 25.11101 | 40.85846 | 6.97699 | 22.83301 | 44.7381 | 10.85663 | 55.35337 |
| 7/10/2025 | 8:00:00 AM | 33.89819 | 59.97643 | 26.07824 | 21.65176 | 47.1757 | 13.27751 | 25.37249 | 48.13829 | 14.2401 | 25.1099 | 40.87277 | 6.97458 | 22.83542 | 44.76311 | 10.86492 | 55.34508 |
| 7/10/2025 | 9:00:00 AM | 33.91491 | 59.98714 | 26.07223 | 21.65777 | 47.19582 | 13.28091 | 25.36909 | 48.16681 | 14.2519 | 25.0981 | 40.87993 | 6.96502 | 22.84498 | 44.77026 | 10.85535 | 55.35465 |
| 7/10/2025 | 10:00:00 AM | 33.9216 | 59.99429 | 26.07269 | 21.65731 | 47.19917 | 13.27757 | 25.37243 | 48.16324 | 14.24164 | 25.10836 | 40.88351 | 6.96191 | 22.84809 | 44.76311 | 10.84151 | 55.36849 |
| 7/10/2025 | 11:00:00 AM | 33.92494 | 59.99786 | 26.07292 | 21.65708 | 47.20924 | 13.2843 | 25.3657 | 48.16324 | 14.2383 | 25.1117 | 40.88708 | 6.96214 | 22.84786 | 44.76669 | 10.84175 | 55.36825 |
| 7/10/2025 | 12:00:00 PM | 33.92828 | 59.99786 | 26.06958 | 21.66042 | 47.2193 | 13.29102 | 25.35898 | 48.17394 | 14.24566 | 25.10434 | 40.89066 | 6.96238 | 22.84762 | 44.76311 | 10.83483 | 55.37517 |
| 7/10/2025 | 1:00:00 PM | 33.91825 | 60.00143 | 26.08318 | 21.64682 | 47.21594 | 13.29769 | 25.35231 | 48.16324 | 14.24499 | 25.10501 | 40.88351 | 6.96526 | 22.84474 | 44.75239 | 10.83414 | 55.37586 |
| 7/10/2025 | 2:00:00 PM | 33.91491 | 59.98714 | 26.07223 | 21.65777 | 47.20588 | 13.29097 | 25.35903 | 48.16324 | 14.24833 | 25.10167 | 40.89066 | 6.97575 | 22.83425 | 44.74882 | 10.83391 | 55.37609 |
| 7/10/2025 | 3:00:00 PM | 33.90488 | 59.98714 | 26.08226 | 21.64774 | 47.18911 | 13.28423 | 25.36577 | 48.15611 | 14.25123 | 25.09877 | 40.89066 | 6.98578 | 22.82422 | 44.74882 | 10.84394 | 55.36606 |
| 7/10/2025 | 4:00:00 PM | 33.90153 | 59.98 | 26.07847 | 21.65153 | 47.17234 | 13.27081 | 25.37919 | 48.14898 | 14.24745 | 25.10255 | 40.88708 | 6.98555 | 22.82445 | 44.74167 | 10.84014 | 55.36986 |
| 7/10/2025 | 5:00:00 PM | 33.88481 | 59.96215 | 26.07734 | 21.65266 | 47.14551 | 13.2607 | 25.3893 | 48.13116 | 14.24635 | 25.10365 | 40.87635 | 6.99154 | 22.81846 | 44.72737 | 10.84256 | 55.36744 |
| 7/10/2025 | 6:00:00 PM | 33.87144 | 59.95143 | 26.07999 | 21.65001 | 47.11868 | 13.24724 | 25.40276 | 48.12402 | 14.25258 | 25.09742 | 40.86919 | 6.99775 | 22.81225 | 44.72737 | 10.85593 | 55.35407 |
| 7/10/2025 | 7:00:00 PM | 33.8614 | 59.94429 | 26.08289 | 21.64711 | 47.0885 | 13.2271 | 25.4229 | 48.10976 | 14.24836 | 25.10164 | 40.87277 | 7.01137 | 22.79863 | 44.73095 | 10.86955 | 55.34045 |
| 7/10/2025 | 8:00:00 PM | 33.85137 | 59.94072 | 26.08935 | 21.64065 | 47.06502 | 13.21365 | 25.43635 | 48.10976 | 14.25839 | 25.09161 | 40.86919 | 7.01782 | 22.79218 | 44.7381 | 10.88673 | 55.32327 |
| 7/10/2025 | 9:00:00 PM | 33.85137 | 59.94072 | 26.08935 | 21.64065 | 47.03819 | 13.18682 | 25.46318 | 48.10263 | 14.25126 | 25.09874 | 40.86919 | 7.01782 | 22.79218 | 44.73452 | 10.88315 | 55.32685 |
| 7/10/2025 | 10:00:00 PM | 33.86809 | 59.95501 | 26.08692 | 21.64308 | 47.04825 | 13.18016 | 25.46984 | 48.1062 | 14.23811 | 25.11189 | 40.87635 | 7.00826 | 22.80174 | 44.75954 | 10.89145 | 55.31855 |
| 7/10/2025 | 11:00:00 PM | 33.88147 | 59.95858 | 26.07711 | 21.65289 | 47.0516 | 13.17013 | 25.47987 | 48.11689 | 14.23542 | 25.11458 | 40.87993 | 6.99846 | 22.81154 | 44.76311 | 10.88164 | 55.32836 |
| 7/11/2025 | 12:00:00 AM | 33.86809 | 59.95143 | 26.08334 | 21.64666 | 47.0516 | 13.18351 | 25.46649 | 48.0955 | 14.22741 | 25.12259 | 40.86562 | 6.99753 | 22.81247 | 44.75954 | 10.89145 | 55.31855 |
| 7/11/2025 | 1:00:00 AM | 33.87478 | 59.95858 | 26.0838 | 21.6462 | 47.06502 | 13.19024 | 25.45976 | 48.10976 | 14.23498 | 25.11502 | 40.87277 | 6.99799 | 22.81201 | 44.76311 | 10.88833 | 55.32167 |
| 7/11/2025 | 2:00:00 AM | 33.86809 | 59.94786 | 26.07977 | 21.65023 | 47.06837 | 13.20028 | 25.44972 | 48.1062 | 14.23811 | 25.11189 | 40.86919 | 7.0011 | 22.8089 | 44.75954 | 10.89145 | 55.31855 |
| 7/11/2025 | 3:00:00 AM | 33.87144 | 59.95858 | 26.08714 | 21.64286 | 47.08179 | 13.21035 | 25.43965 | 48.1062 | 14.23476 | 25.11524 | 40.86919 | 6.99775 | 22.81225 | 44.76311 | 10.89167 | 55.31833 |
| 7/11/2025 | 4:00:00 AM | 33.87144 | 59.96215 | 26.09071 | 21.63929 | 47.08514 | 13.2137 | 25.4363 | 48.10263 | 14.23119 | 25.11881 | 40.87635 | 7.00491 | 22.80509 | 44.76311 | 10.89167 | 55.31833 |
| 7/11/2025 | 5:00:00 AM | 33.86475 | 59.95143 | 26.08668 | 21.64332 | 47.09185 | 13.2271 | 25.4229 | 48.0955 | 14.23075 | 25.11925 | 40.86204 | 6.99729 | 22.81271 | 44.75597 | 10.89122 | 55.31878 |
| 7/11/2025 | 6:00:00 AM | 33.87478 | 59.95858 | 26.0838 | 21.6462 | 47.10191 | 13.22713 | 25.42287 | 48.09907 | 14.22429 | 25.12571 | 40.86562 | 6.99084 | 22.81916 | 44.76669 | 10.89191 | 55.31809 |
| 7/11/2025 | 7:00:00 AM | 33.87478 | 59.96215 | 26.08737 | 21.64263 | 47.10862 | 13.23384 | 25.41616 | 48.1062 | 14.23142 | 25.11858 | 40.86562 | 6.99084 | 22.81916 | 44.77026 | 10.89548 | 55.31452 |
| 7/11/2025 | 8:00:00 AM | 33.87812 | 59.96572 | 26.0876 | 21.6424 | 47.12203 | 13.24391 | 25.40609 | 48.10263 | 14.22451 | 25.12549 | 40.87277 | 6.99465 | 22.81535 | 44.76311 | 10.88499 | 55.32501 |
| 7/11/2025 | 9:00:00 AM | 33.87478 | 59.95858 | 26.0838 | 21.6462 | 47.12203 | 13.24725 | 25.40275 | 48.10263 | 14.22785 | 25.12215 | 40.87277 | 6.99799 | 22.81201 | 44.76669 | 10.89191 | 55.31809 |
| 7/11/2025 | 10:00:00 AM | 33.85806 | 59.95143 | 26.09337 | 21.63663 | 47.11197 | 13.25391 | 25.39609 | 48.09194 | 14.23388 | 25.11612 | 40.85488 | 6.99682 | 22.81318 | 44.74882 | 10.89076 | 55.31924 |
| 7/11/2025 | 11:00:00 AM | 33.85472 | 59.95143 | 26.09671 | 21.63329 | 47.11197 | 13.25725 | 25.39275 | 48.0955 | 14.24078 | 25.10922 | 40.86562 | 7.0109 | 22.7991 | 44.75239 | 10.89767 | 55.31233 |
| 7/11/2025 | 12:00:00 PM | 33.84134 | 59.93358 | 26.09224 | 21.63776 | 47.0952 | 13.25386 | 25.39614 | 48.07768 | 14.23634 | 25.11366 | 40.85131 | 7.00997 | 22.80003 | 44.7381 | 10.89676 | 55.31324 |
| 7/11/2025 | 1:00:00 PM | 33.82796 | 59.92287 | 26.09491 | 21.63509 | 47.07173 | 13.24377 | 25.40623 | 48.06342 | 14.23546 | 25.11454 | 40.83699 | 7.00903 | 22.80097 | 44.73095 | 10.90299 | 55.30701 |
| 7/11/2025 | 2:00:00 PM | 33.81459 | 59.90858 | 26.09399 | 21.63601 | 47.04154 | 13.22695 | 25.42305 | 48.04915 | 14.23456 | 25.11544 | 40.83342 | 7.01883 | 22.79117 | 44.73095 | 10.91636 | 55.29364 |
| 7/11/2025 | 3:00:00 PM | 33.8079 | 59.90501 | 26.09711 | 21.63289 | 47.01471 | 13.20681 | 25.44319 | 48.04202 | 14.23412 | 25.11588 | 40.82626 | 7.01836 | 22.79164 | 44.73095 | 10.92305 | 55.28695 |
| 7/11/2025 | 4:00:00 PM | 33.79787 | 59.89073 | 26.09286 | 21.63714 | 46.98117 | 13.1833 | 25.4667 | 48.03489 | 14.23702 | 25.11298 | 40.81911 | 7.02124 | 22.78876 | 44.7238 | 10.92593 | 55.28407 |
| 7/11/2025 | 5:00:00 PM | 33.77112 | 59.86573 | 26.09461 | 21.63539 | 46.92416 | 13.15304 | 25.49696 | 48.00637 | 14.23525 | 25.11475 | 40.79764 | 7.02652 | 22.78348 | 44.69878 | 10.92766 | 55.28234 |
| 7/11/2025 | 6:00:00 PM | 33.76777 | 59.8693 | 26.10153 | 21.62847 | 46.89397 | 13.1262 | 25.5238 | 47.99211 | 14.22434 | 25.12566 | 40.80122 | 7.03345 | 22.77655 | 44.70951 | 10.94174 | 55.26826 |
| 7/11/2025 | 7:00:00 PM | 33.77446 | 59.86573 | 26.09127 | 21.63873 | 46.88056 | 13.1061 | 25.5439 | 48.00281 | 14.22835 | 25.12165 | 40.80479 | 7.03033 | 22.77967 | 44.7238 | 10.94934 | 55.26066 |
| 7/11/2025 | 8:00:00 PM | 33.78115 | 59.8693 | 26.08815 | 21.64185 | 46.86379 | 13.08264 | 25.56736 | 48.00281 | 14.22166 | 25.12834 | 40.80122 | 7.02007 | 22.78993 | 44.73452 | 10.95337 | 55.25663 |
| 7/11/2025 | 9:00:00 PM | 33.7778 | 59.85859 | 26.08079 | 21.64921 | 46.83695 | 13.05915 | 25.59085 | 47.99211 | 14.21431 | 25.13569 | 40.79764 | 7.01984 | 22.79016 | 44.73452 | 10.95672 | 55.25328 |
| 7/11/2025 | 10:00:00 PM | 33.79787 | 59.8693 | 26.07143 | 21.65857 | 46.84366 | 13.04579 | 25.60421 | 48.00637 | 14.2085 | 25.1415 | 40.80479 | 7.00692 | 22.80308 | 44.74882 | 10.95095 | 55.25905 |
| 7/11/2025 | 11:00:00 PM | 33.79452 | 59.8693 | 26.07478 | 21.65522 | 46.84702 | 13.0525 | 25.5975 | 47.99924 | 14.20472 | 25.14528 | 40.79764 | 7.00312 | 22.80688 | 44.73452 | 10.94 | 55.27 |
| 7/12/2025 | 12:00:00 AM | 33.79118 | 59.85859 | 26.06741 | 21.66259 | 46.85037 | 13.05919 | 25.59081 | 47.98498 | 14.1938 | 25.1562 | 40.78691 | 6.99573 | 22.81427 | 44.73095 | 10.93977 | 55.27023 |
| 7/12/2025 | 1:00:00 AM | 33.78784 | 59.86216 | 26.07432 | 21.65568 | 46.85372 | 13.06588 | 25.58412 | 47.97785 | 14.19001 | 25.15999 | 40.78333 | 6.99549 | 22.81451 | 44.72737 | 10.93953 | 55.27047 |
| 7/12/2025 | 2:00:00 AM | 33.77112 | 59.84788 | 26.07676 | 21.65324 | 46.86043 | 13.08931 | 25.56069 | 47.96002 | 14.1889 | 25.1611 | 40.77617 | 7.00505 | 22.80495 | 44.71665 | 10.94553 | 55.26447 |
| 7/12/2025 | 3:00:00 AM | 33.76777 | 59.84788 | 26.08011 | 21.64989 | 46.87049 | 13.10272 | 25.54728 | 47.96715 | 14.19938 | 25.15062 | 40.77975 | 7.01198 | 22.79802 | 44.70951 | 10.94174 | 55.26826 |
| 7/12/2025 | 4:00:00 AM | 33.77112 | 59.85859 | 26.08747 | 21.64253 | 46.88726 | 13.11614 | 25.53386 | 47.96715 | 14.19603 | 25.15397 | 40.77975 | 7.00863 | 22.80137 | 44.7238 | 10.95268 | 55.25732 |
| 7/12/2025 | 5:00:00 AM | 33.76777 | 59.84788 | 26.08011 | 21.64989 | 46.89397 | 13.1262 | 25.5238 | 47.96359 | 14.19582 | 25.15418 | 40.77259 | 7.00482 | 22.80518 | 44.71665 | 10.94888 | 55.26112 |
| 7/12/2025 | 6:00:00 AM | 33.77112 | 59.85859 | 26.08747 | 21.64253 | 46.91074 | 13.13962 | 25.51038 | 47.96715 | 14.19603 | 25.15397 | 40.77617 | 7.00505 | 22.80495 | 44.7238 | 10.95268 | 55.25732 |
| 7/12/2025 | 7:00:00 AM | 33.78115 | 59.86573 | 26.08458 | 21.64542 | 46.93422 | 13.15307 | 25.49693 | 47.98141 | 14.20026 | 25.14974 | 40.78333 | 7.00218 | 22.80782 | 44.7381 | 10.95695 | 55.25305 |
| 7/12/2025 | 8:00:00 AM | 33.79118 | 59.88002 | 26.08884 | 21.64116 | 46.95099 | 13.15981 | 25.49019 | 47.98854 | 14.19736 | 25.15264 | 40.77975 | 6.98857 | 22.82143 | 44.73452 | 10.94334 | 55.26666 |
| 7/12/2025 | 9:00:00 AM | 33.78449 | 59.8693 | 26.08481 | 21.64519 | 46.95099 | 13.1665 | 25.4835 | 47.98498 | 14.20049 | 25.14951 | 40.77617 | 6.99168 | 22.81832 | 44.73452 | 10.95003 | 55.25997 |
| 7/12/2025 | 10:00:00 AM | 33.77446 | 59.86216 | 26.0877 | 21.6423 | 46.95434 | 13.17988 | 25.47012 | 47.97785 | 14.20339 | 25.14661 | 40.76902 | 6.99456 | 22.81544 | 44.71308 | 10.93862 | 55.27138 |
| 7/12/2025 | 11:00:00 AM | 33.77112 | 59.86216 | 26.09104 | 21.63896 | 46.94763 | 13.17651 | 25.47349 | 47.97072 | 14.1996 | 25.1504 | 40.76902 | 6.9979 | 22.8121 | 44.71308 | 10.94196 | 55.26804 |
| 7/12/2025 | 12:00:00 PM | 33.76777 | 59.85502 | 26.08725 | 21.64275 | 46.94428 | 13.17651 | 25.47349 | 47.96715 | 14.19938 | 25.15062 | 40.76902 | 7.00125 | 22.80875 | 44.70593 | 10.93816 | 55.27184 |
| 7/12/2025 | 1:00:00 PM | 33.7544 | 59.84431 | 26.08991 | 21.64009 | 46.9208 | 13.1664 | 25.4836 | 47.96002 | 14.20562 | 25.14438 | 40.76186 | 7.00746 | 22.80254 | 44.69878 | 10.94438 | 55.26562 |
| 7/12/2025 | 2:00:00 PM | 33.75105 | 59.82288 | 26.07183 | 21.65817 | 46.90403 | 13.15298 | 25.49702 | 47.95646 | 14.20541 | 25.14459 | 40.76186 | 7.01081 | 22.79919 | 44.69521 | 10.94416 | 55.26584 |
| 7/12/2025 | 3:00:00 PM | 33.74436 | 59.81931 | 26.07495 | 21.65505 | 46.88391 | 13.13955 | 25.51045 | 47.94576 | 14.2014 | 25.1486 | 40.74755 | 7.00319 | 22.80681 | 44.69164 | 10.94728 | 55.26272 |
| 7/12/2025 | 4:00:00 PM | 33.73768 | 59.81931 | 26.08163 | 21.64837 | 46.84702 | 13.10934 | 25.54066 | 47.93507 | 14.19739 | 25.15261 | 40.74397 | 7.00629 | 22.80371 | 44.69164 | 10.95396 | 55.25604 |
| 7/12/2025 | 5:00:00 PM | 33.7243 | 59.80146 | 26.07716 | 21.65284 | 46.80342 | 13.07912 | 25.57088 | 47.91367 | 14.18937 | 25.16063 | 40.73682 | 7.01252 | 22.79748 | 44.67734 | 10.95304 | 55.25696 |
| 7/12/2025 | 6:00:00 PM | 33.71761 | 59.78003 | 26.06242 | 21.66758 | 46.77323 | 13.05562 | 25.59438 | 47.91011 | 14.1925 | 25.1575 | 40.72966 | 7.01205 | 22.79795 | 44.68449 | 10.96688 | 55.24312 |
| 7/12/2025 | 7:00:00 PM | 33.71427 | 59.79075 | 26.07648 | 21.65352 | 46.73634 | 13.02207 | 25.62793 | 47.90298 | 14.18871 | 25.16129 | 40.72608 | 7.01181 | 22.79819 | 44.68091 | 10.96664 | 55.24336 |
| 7/12/2025 | 8:00:00 PM | 33.73099 | 59.78717 | 26.05618 | 21.67382 | 46.72292 | 12.99193 | 25.65807 | 47.91011 | 14.17912 | 25.17088 | 40.73324 | 7.00225 | 22.80775 | 44.68806 | 10.95707 | 55.25293 |
| 7/12/2025 | 9:00:00 PM | 33.73099 | 59.79789 | 26.0669 | 21.6631 | 46.71957 | 12.98858 | 25.66142 | 47.91367 | 14.18268 | 25.16732 | 40.72966 | 6.99867 | 22.81133 | 44.69878 | 10.96779 | 55.24221 |
| 7/12/2025 | 10:00:00 PM | 33.76108 | 59.82645 | 26.06537 | 21.66463 | 46.72963 | 12.96855 | 25.68145 | 47.92794 | 14.16686 | 25.18314 | 40.74755 | 6.98647 | 22.82353 | 44.72023 | 10.95915 | 55.25085 |
| 7/12/2025 | 11:00:00 PM | 33.77446 | 59.82645 | 26.05199 | 21.67801 | 46.7464 | 12.97194 | 25.67806 | 47.93863 | 14.16417 | 25.18583 | 40.74397 | 6.96951 | 22.84049 | 44.72737 | 10.95291 | 55.25709 |
| 7/13/2025 | 12:00:00 AM | 33.77112 | 59.82288 | 26.05176 | 21.67824 | 46.75311 | 12.98199 | 25.66801 | 47.9315 | 14.16038 | 25.18962 | 40.74397 | 6.97285 | 22.83715 | 44.71665 | 10.94553 | 55.26447 |
| 7/13/2025 | 1:00:00 AM | 33.77112 | 59.82288 | 26.05176 | 21.67824 | 46.76317 | 12.99205 | 25.65795 | 47.9315 | 14.16038 | 25.18962 | 40.74755 | 6.97643 | 22.83357 | 44.72023 | 10.94911 | 55.26089 |
| 7/13/2025 | 2:00:00 AM | 33.76443 | 59.81217 | 26.04774 | 21.68226 | 46.77659 | 13.01216 | 25.63784 | 47.92437 | 14.15994 | 25.19006 | 40.73682 | 6.97239 | 22.83761 | 44.69878 | 10.93435 | 55.27565 |
| 7/13/2025 | 3:00:00 AM | 33.75105 | 59.8086 | 26.05755 | 21.67245 | 46.77659 | 13.02554 | 25.62446 | 47.90298 | 14.15193 | 25.19807 | 40.7225 | 6.97145 | 22.83855 | 44.68449 | 10.93344 | 55.27656 |
| 7/13/2025 | 4:00:00 AM | 33.7544 | 59.8086 | 26.0542 | 21.6758 | 46.79335 | 13.03895 | 25.61105 | 47.91011 | 14.15571 | 25.19429 | 40.73682 | 6.98242 | 22.82758 | 44.69164 | 10.93724 | 55.27276 |
| 7/13/2025 | 5:00:00 AM | 33.76108 | 59.81931 | 26.05823 | 21.67177 | 46.82019 | 13.05911 | 25.59089 | 47.90654 | 14.14546 | 25.20454 | 40.74397 | 6.98289 | 22.82711 | 44.69164 | 10.93056 | 55.27944 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/13/2025 | 6:00:00 AM | 33.76443 | 59.83003 | 26.0656 | 21.6644 | 46.83695 | 13.07252 | 25.57748 | 47.9208 | 14.15637 | 25.19363 | 40.73682 | 6.97239 | 22.83761 | 44.70236 | 10.93793 | 55.27207 |
| 7/13/2025 | 7:00:00 AM | 33.77112 | 59.83717 | 26.06605 | 21.66395 | 46.86043 | 13.08931 | 25.56069 | 47.92794 | 14.15682 | 25.19318 | 40.75113 | 6.98001 | 22.82999 | 44.70951 | 10.93839 | 55.27161 |
| 7/13/2025 | 8:00:00 AM | 33.78115 | 59.84431 | 26.06316 | 21.66684 | 46.88391 | 13.10276 | 25.54724 | 47.94576 | 14.16461 | 25.18539 | 40.75113 | 6.96998 | 22.84002 | 44.71665 | 10.9355 | 55.2745 |
| 7/13/2025 | 9:00:00 AM | 33.78784 | 59.84788 | 26.06004 | 21.66996 | 46.90068 | 13.11284 | 25.53716 | 47.94576 | 14.15792 | 25.19208 | 40.75113 | 6.96329 | 22.84671 | 44.72023 | 10.93239 | 55.27761 |
| 7/13/2025 | 10:00:00 AM | 33.77446 | 59.84074 | 26.06628 | 21.66372 | 46.89732 | 13.12286 | 25.52714 | 47.93863 | 14.16417 | 25.18583 | 40.74755 | 6.97309 | 22.83691 | 44.70951 | 10.93505 | 55.27495 |
| 7/13/2025 | 11:00:00 AM | 33.76443 | 59.83003 | 26.0656 | 21.6644 | 46.88726 | 13.12283 | 25.52717 | 47.93507 | 14.17064 | 25.17936 | 40.73324 | 6.96881 | 22.84119 | 44.69521 | 10.93078 | 55.27922 |
| 7/13/2025 | 12:00:00 PM | 33.75774 | 59.82288 | 26.06514 | 21.66486 | 46.87049 | 13.11275 | 25.53725 | 47.92437 | 14.16663 | 25.18337 | 40.73682 | 6.97908 | 22.83092 | 44.68806 | 10.93032 | 55.27968 |
| 7/13/2025 | 1:00:00 PM | 33.75105 | 59.81217 | 26.06112 | 21.66888 | 46.84702 | 13.09597 | 25.55403 | 47.9208 | 14.16975 | 25.18025 | 40.72966 | 6.97861 | 22.83139 | 44.68091 | 10.92986 | 55.28014 |
| 7/13/2025 | 2:00:00 PM | 33.74102 | 59.79789 | 26.05687 | 21.67313 | 46.81683 | 13.07581 | 25.57419 | 47.89585 | 14.15483 | 25.19517 | 40.71893 | 6.97791 | 22.83209 | 44.67377 | 10.93275 | 55.27725 |
| 7/13/2025 | 3:00:00 PM | 33.72764 | 59.79075 | 26.06311 | 21.66689 | 46.76317 | 13.03553 | 25.61447 | 47.88872 | 14.16108 | 25.18892 | 40.71893 | 6.99129 | 22.81871 | 44.66662 | 10.93898 | 55.27102 |
| 7/13/2025 | 4:00:00 PM | 33.71092 | 59.76575 | 26.05483 | 21.67517 | 46.70951 | 12.99859 | 25.65141 | 47.86733 | 14.15641 | 25.19359 | 40.70819 | 6.99727 | 22.81273 | 44.65232 | 10.9414 | 55.2686 |
| 7/13/2025 | 5:00:00 PM | 33.70424 | 59.75504 | 26.0508 | 21.6792 | 46.66591 | 12.96167 | 25.68833 | 47.86376 | 14.15952 | 25.19048 | 40.70462 | 7.00038 | 22.80962 | 44.6559 | 10.95166 | 55.25834 |
| 7/13/2025 | 6:00:00 PM | 33.70424 | 59.75504 | 26.0508 | 21.6792 | 46.63237 | 12.92813 | 25.72187 | 47.84237 | 14.13813 | 25.21187 | 40.70104 | 6.9968 | 22.8132 | 44.6559 | 10.95166 | 55.25834 |
| 7/13/2025 | 7:00:00 PM | 33.71092 | 59.76932 | 26.0584 | 21.6716 | 46.62566 | 12.91474 | 25.73526 | 47.85663 | 14.14571 | 25.20429 | 40.71177 | 7.00085 | 22.80915 | 44.67734 | 10.96642 | 55.24358 |
| 7/13/2025 | 8:00:00 PM | 33.71092 | 59.76575 | 26.05483 | 21.67517 | 46.59548 | 12.88456 | 25.76544 | 47.85306 | 14.14214 | 25.20786 | 40.70104 | 6.99012 | 22.81988 | 44.68449 | 10.97357 | 55.23643 |
| 7/13/2025 | 9:00:00 PM | 33.71427 | 59.76218 | 26.04791 | 21.68209 | 46.57871 | 12.86444 | 25.78556 | 47.85663 | 14.14236 | 25.20764 | 40.70462 | 6.99035 | 22.81965 | 44.68091 | 10.96664 | 55.24336 |
| 7/13/2025 | 10:00:00 PM | 33.7243 | 59.76932 | 26.04502 | 21.68498 | 46.58541 | 12.86111 | 25.78889 | 47.8495 | 14.1252 | 25.2248 | 40.70819 | 6.98389 | 22.82611 | 44.68449 | 10.96019 | 55.24981 |
| 7/13/2025 | 11:00:00 PM | 33.71761 | 59.76932 | 26.05171 | 21.67829 | 46.57535 | 12.85774 | 25.79226 | 47.84593 | 14.12832 | 25.22168 | 40.69746 | 6.97985 | 22.83015 | 44.68091 | 10.9633 | 55.2467 |
| 7/14/2025 | 12:00:00 AM | 33.72764 | 59.77289 | 26.04525 | 21.68475 | 46.59883 | 12.87119 | 25.77881 | 47.8495 | 14.12186 | 25.22814 | 40.70104 | 6.9734 | 22.8366 | 44.68091 | 10.95327 | 55.25673 |
| 7/14/2025 | 1:00:00 AM | 33.73099 | 59.77289 | 26.0419 | 21.6881 | 46.61895 | 12.88796 | 25.76204 | 47.8495 | 14.11851 | 25.23149 | 40.70104 | 6.97005 | 22.83995 | 44.68806 | 10.95707 | 55.25293 |
| 7/14/2025 | 2:00:00 AM | 33.72096 | 59.76575 | 26.04479 | 21.68521 | 46.63572 | 12.91476 | 25.73524 | 47.84593 | 14.12497 | 25.22503 | 40.70104 | 6.98008 | 22.82992 | 44.67734 | 10.95638 | 55.25362 |
| 7/14/2025 | 3:00:00 AM | 33.7243 | 59.77646 | 26.05216 | 21.67784 | 46.63908 | 12.91478 | 25.73522 | 47.8388 | 14.1145 | 25.2355 | 40.69388 | 6.96958 | 22.84042 | 44.67019 | 10.94589 | 55.26411 |
| 7/14/2025 | 4:00:00 AM | 33.71761 | 59.77289 | 26.05528 | 21.67472 | 46.66591 | 12.9483 | 25.7017 | 47.8495 | 14.13189 | 25.21811 | 40.69388 | 6.97627 | 22.83373 | 44.67377 | 10.95616 | 55.25384 |
| 7/14/2025 | 5:00:00 AM | 33.70424 | 59.75147 | 26.04723 | 21.68277 | 46.66926 | 12.96502 | 25.68498 | 47.83167 | 14.12743 | 25.22257 | 40.67957 | 6.97533 | 22.83467 | 44.6559 | 10.95166 | 55.25834 |
| 7/14/2025 | 6:00:00 AM | 33.71427 | 59.76218 | 26.04791 | 21.68209 | 46.68938 | 12.97511 | 25.67489 | 47.83167 | 14.1174 | 25.2326 | 40.6903 | 6.97603 | 22.83397 | 44.66304 | 10.94877 | 55.26123 |
| 7/14/2025 | 7:00:00 AM | 33.7243 | 59.78003 | 26.05573 | 21.67427 | 46.70951 | 12.98521 | 25.66479 | 47.84237 | 14.11807 | 25.23193 | 40.69388 | 6.96958 | 22.84042 | 44.67377 | 10.94947 | 55.26053 |
| 7/14/2025 | 8:00:00 AM | 33.73433 | 59.78717 | 26.05284 | 21.67716 | 46.73298 | 12.99865 | 25.65135 | 47.85306 | 14.11873 | 25.23127 | 40.69388 | 6.95955 | 22.85045 | 44.68091 | 10.94658 | 55.26342 |
| 7/14/2025 | 9:00:00 AM | 33.72096 | 59.7836 | 26.06264 | 21.66736 | 46.75311 | 13.03215 | 25.61785 | 47.85306 | 14.1321 | 25.2179 | 40.6903 | 6.96934 | 22.84066 | 44.67377 | 10.95281 | 55.25719 |
| 7/14/2025 | 10:00:00 AM | 33.71761 | 59.76575 | 26.04814 | 21.68186 | 46.74305 | 13.02544 | 25.62456 | 47.8495 | 14.13189 | 25.21811 | 40.68673 | 6.96912 | 22.84088 | 44.66304 | 10.94543 | 55.26457 |
| 7/14/2025 | 11:00:00 AM | 33.71761 | 59.78717 | 26.06956 | 21.66044 | 46.75646 | 13.03885 | 25.61115 | 47.8495 | 14.13189 | 25.21811 | 40.68673 | 6.96912 | 22.84088 | 44.67377 | 10.95616 | 55.25384 |
| 7/14/2025 | 12:00:00 PM | 33.71427 | 59.76218 | 26.04791 | 21.68209 | 46.74975 | 13.03548 | 25.61452 | 47.84237 | 14.1281 | 25.2219 | 40.68315 | 6.96888 | 22.84112 | 44.66662 | 10.95235 | 55.25765 |
| 7/14/2025 | 1:00:00 PM | 33.69755 | 59.75147 | 26.05392 | 21.67608 | 46.72628 | 13.02873 | 25.62127 | 47.83524 | 14.13769 | 25.21231 | 40.67599 | 6.97844 | 22.83156 | 44.65232 | 10.95477 | 55.25523 |
| 7/14/2025 | 2:00:00 PM | 33.69086 | 59.74432 | 26.05346 | 21.67654 | 46.69945 | 13.00859 | 25.64141 | 47.82454 | 14.13368 | 25.21632 | 40.66526 | 6.9744 | 22.8356 | 44.64518 | 10.95432 | 55.25568 |
| 7/14/2025 | 3:00:00 PM | 33.68752 | 59.73718 | 26.04966 | 21.68034 | 46.67597 | 12.98845 | 25.66155 | 47.82811 | 14.14059 | 25.20941 | 40.66168 | 6.97416 | 22.83584 | 44.6416 | 10.95408 | 55.25592 |
| 7/14/2025 | 4:00:00 PM | 33.68083 | 59.73004 | 26.04921 | 21.68079 | 46.64914 | 12.96831 | 25.68169 | 47.81028 | 14.12945 | 25.22055 | 40.66168 | 6.98085 | 22.82915 | 44.64518 | 10.96435 | 55.24565 |
| 7/14/2025 | 5:00:00 PM | 33.66745 | 59.71219 | 26.04474 | 21.68526 | 46.60218 | 12.93473 | 25.71527 | 47.80315 | 14.1357 | 25.2143 | 40.6581 | 6.99065 | 22.81935 | 44.63803 | 10.97058 | 55.23942 |
| 7/14/2025 | 6:00:00 PM | 33.6407 | 59.69076 | 26.05006 | 21.67994 | 46.54181 | 12.90111 | 25.74889 | 47.77106 | 14.13036 | 25.21964 | 40.63306 | 6.99236 | 22.81764 | 44.61658 | 10.97588 | 55.23412 |
| 7/14/2025 | 7:00:00 PM | 33.63736 | 59.69433 | 26.05697 | 21.67303 | 46.51834 | 12.88098 | 25.76902 | 47.7568 | 14.11944 | 25.23056 | 40.64022 | 7.00286 | 22.80714 | 44.60944 | 10.97208 | 55.23792 |
| 7/14/2025 | 8:00:00 PM | 33.65073 | 59.6979 | 26.04717 | 21.68283 | 46.50827 | 12.85754 | 25.79246 | 47.7675 | 14.11677 | 25.23323 | 40.64022 | 6.98949 | 22.82051 | 44.63088 | 10.98015 | 55.22985 |
| 7/14/2025 | 9:00:00 PM | 33.6708 | 59.70504 | 26.03424 | 21.69576 | 46.49821 | 12.82741 | 25.82259 | 47.77463 | 14.10383 | 25.24617 | 40.64379 | 6.97299 | 22.83701 | 44.64518 | 10.97438 | 55.23562 |
| 7/14/2025 | 10:00:00 PM | 33.67748 | 59.71219 | 26.03471 | 21.69529 | 46.49821 | 12.82073 | 25.82927 | 47.78532 | 14.10784 | 25.24216 | 40.64737 | 6.96989 | 22.84011 | 44.65232 | 10.97484 | 55.23516 |
| 7/14/2025 | 11:00:00 PM | 33.66411 | 59.70862 | 26.04451 | 21.68549 | 46.49486 | 12.83075 | 25.81925 | 47.77819 | 14.11408 | 25.23592 | 40.63664 | 6.97253 | 22.83747 | 44.6416 | 10.97749 | 55.23251 |
| 7/15/2025 | 12:00:00 AM | 33.6708 | 59.71219 | 26.04139 | 21.68861 | 46.51163 | 12.84083 | 25.80917 | 47.77463 | 14.10383 | 25.24617 | 40.64022 | 6.96942 | 22.84058 | 44.6416 | 10.9708 | 55.2392 |
| 7/15/2025 | 1:00:00 AM | 33.6708 | 59.70862 | 26.03782 | 21.69218 | 46.53175 | 12.86095 | 25.78905 | 47.77106 | 14.10026 | 25.24974 | 40.63306 | 6.96226 | 22.84774 | 44.63445 | 10.96365 | 55.24635 |
| 7/15/2025 | 2:00:00 AM | 33.6708 | 59.70862 | 26.03782 | 21.69218 | 46.55187 | 12.88107 | 25.76893 | 47.77106 | 14.10026 | 25.24974 | 40.64022 | 6.96942 | 22.84058 | 44.63445 | 10.96365 | 55.24635 |
| 7/15/2025 | 3:00:00 AM | 33.67748 | 59.71219 | 26.03471 | 21.69529 | 46.56864 | 12.89116 | 25.75884 | 47.76037 | 14.08289 | 25.26711 | 40.63664 | 6.95916 | 22.85084 | 44.63803 | 10.96055 | 55.24945 |
| 7/15/2025 | 4:00:00 AM | 33.67414 | 59.71576 | 26.04162 | 21.68838 | 46.59883 | 12.92469 | 25.72531 | 47.77463 | 14.10049 | 25.24951 | 40.63664 | 6.9625 | 22.8475 | 44.63445 | 10.96031 | 55.24969 |
| 7/15/2025 | 5:00:00 AM | 33.67414 | 59.7229 | 26.04876 | 21.68124 | 46.61895 | 12.94481 | 25.70519 | 47.77463 | 14.10049 | 25.24951 | 40.63664 | 6.9625 | 22.8475 | 44.6416 | 10.96746 | 55.24254 |
| 7/15/2025 | 6:00:00 AM | 33.68417 | 59.73004 | 26.04587 | 21.68413 | 46.63237 | 12.9482 | 25.7018 | 47.78889 | 14.10472 | 25.24528 | 40.64379 | 6.95962 | 22.85038 | 44.64875 | 10.96458 | 55.24542 |
| 7/15/2025 | 7:00:00 AM | 33.69086 | 59.73361 | 26.04275 | 21.68725 | 46.66255 | 12.97169 | 25.67831 | 47.80315 | 14.11229 | 25.23771 | 40.65095 | 6.96009 | 22.84991 | 44.65232 | 10.96146 | 55.24854 |
| 7/15/2025 | 8:00:00 AM | 33.69755 | 59.74432 | 26.04677 | 21.68323 | 46.67597 | 12.97842 | 25.67158 | 47.79602 | 14.09847 | 25.25153 | 40.64022 | 6.94267 | 22.86733 | 44.64875 | 10.9512 | 55.2588 |
| 7/15/2025 | 9:00:00 AM | 33.6942 | 59.73718 | 26.04298 | 21.68702 | 46.68938 | 12.99518 | 25.65482 | 47.81028 | 14.11608 | 25.23392 | 40.65095 | 6.95675 | 22.85325 | 44.65232 | 10.95812 | 55.25188 |
| 7/15/2025 | 10:00:00 AM | 33.68752 | 59.73004 | 26.04252 | 21.68748 | 46.68938 | 13.00186 | 25.64814 | 47.78889 | 14.10137 | 25.24863 | 40.63664 | 6.94912 | 22.86088 | 44.6416 | 10.95408 | 55.25592 |
| 7/15/2025 | 11:00:00 AM | 33.67748 | 59.7229 | 26.04542 | 21.68458 | 46.68268 | 13.0052 | 25.6448 | 47.78176 | 14.10428 | 25.24572 | 40.62948 | 6.952 | 22.858 | 44.62373 | 10.94625 | 55.26375 |
| 7/15/2025 | 12:00:00 PM | 33.65408 | 59.70862 | 26.05454 | 21.67546 | 46.66591 | 13.01183 | 25.63817 | 47.76393 | 14.10985 | 25.24015 | 40.61517 | 6.96109 | 22.84891 | 44.61301 | 10.95893 | 55.25107 |
| 7/15/2025 | 1:00:00 PM | 33.63736 | 59.68719 | 26.04983 | 21.68017 | 46.63237 | 12.99501 | 25.65499 | 47.75324 | 14.11588 | 25.23412 | 40.60802 | 6.97066 | 22.83934 | 44.60229 | 10.96493 | 55.24507 |
| 7/15/2025 | 2:00:00 PM | 33.6106 | 59.67291 | 26.06231 | 21.66769 | 46.59548 | 12.98488 | 25.66512 | 47.73185 | 14.12125 | 25.22875 | 40.60086 | 6.99026 | 22.81974 | 44.58799 | 10.97739 | 55.23261 |
| 7/15/2025 | 3:00:00 PM | 33.60057 | 59.64434 | 26.04377 | 21.68623 | 46.55523 | 12.95466 | 25.69534 | 47.71045 | 14.10988 | 25.24012 | 40.58297 | 6.9824 | 22.8276 | 44.56655 | 10.96598 | 55.24402 |
| 7/15/2025 | 4:00:00 PM | 33.57048 | 59.61934 | 26.04886 | 21.68114 | 46.49151 | 12.92103 | 25.72897 | 47.68193 | 14.11145 | 25.23855 | 40.56508 | 6.9946 | 22.8154 | 44.55583 | 10.98535 | 55.22465 |
| 7/15/2025 | 5:00:00 PM | 33.54707 | 59.60863 | 26.06156 | 21.66844 | 46.43784 | 12.89077 | 25.75923 | 47.66411 | 14.11704 | 25.23296 | 40.55077 | 7.0037 | 22.8063 | 44.55225 | 11.00518 | 55.20482 |
| 7/15/2025 | 6:00:00 PM | 33.54038 | 59.58363 | 26.04325 | 21.68675 | 46.39089 | 12.85051 | 25.79949 | 47.63558 | 14.0952 | 25.2548 | 40.54719 | 7.00681 | 22.80319 | 44.54153 | 11.00115 | 55.20885 |
| 7/15/2025 | 7:00:00 PM | 33.53035 | 59.58721 | 26.05686 | 21.67314 | 46.35735 | 12.827 | 25.823 | 47.62845 | 14.0981 | 25.2519 | 40.53646 | 7.00611 | 22.80389 | 44.54511 | 11.01476 | 55.19524 |
| 7/15/2025 | 8:00:00 PM | 33.527 | 59.57649 | 26.04949 | 21.68051 | 46.33052 | 12.80352 | 25.84648 | 47.62489 | 14.09789 | 25.25211 | 40.53288 | 7.00588 | 22.80412 | 44.55583 | 11.02883 | 55.18117 |
| 7/15/2025 | 9:00:00 PM | 33.52366 | 59.57292 | 26.04926 | 21.68074 | 46.30033 | 12.77667 | 25.87333 | 47.61776 | 14.0941 | 25.2559 | 40.52573 | 7.00207 | 22.80793 | 44.5594 | 11.03574 | 55.17426 |
| 7/15/2025 | 10:00:00 PM | 33.52366 | 59.56935 | 26.04569 | 21.68431 | 46.29027 | 12.76661 | 25.88339 | 47.60706 | 14.0834 | 25.2666 | 40.52215 | 6.99849 | 22.81151 | 44.5594 | 11.03574 | 55.17426 |
| 7/15/2025 | 11:00:00 PM | 33.53369 | 59.58006 | 26.04637 | 21.68363 | 46.30033 | 12.76664 | 25.88336 | 47.61776 | 14.08407 | 25.26593 | 40.52215 | 6.98846 | 22.82154 | 44.57012 | 11.03643 | 55.17357 |
| 7/16/2025 | 12:00:00 AM | 33.53035 | 59.57292 | 26.04257 | 21.68743 | 46.3104 | 12.78005 | 25.86995 | 47.61063 | 14.08028 | 25.26972 | 40.51499 | 6.98464 | 22.82536 | 44.56655 | 11.0362 | 55.1738 |
| 7/16/2025 | 1:00:00 AM | 33.53369 | 59.57649 | 26.0428 | 21.6872 | 46.33052 | 12.79683 | 25.85317 | 47.61063 | 14.07694 | 25.27306 | 40.50784 | 6.97415 | 22.83585 | 44.55583 | 11.02214 | 55.18786 |
| 7/16/2025 | 2:00:00 AM | 33.52366 | 59.56935 | 26.04569 | 21.68431 | 46.34058 | 12.81692 | 25.83308 | 47.5928 | 14.06914 | 25.28086 | 40.4971 | 6.97344 | 22.83656 | 44.54511 | 11.02145 | 55.18855 |
| 7/16/2025 | 3:00:00 AM | 33.53035 | 59.57292 | 26.04257 | 21.68743 | 46.36406 | 12.83371 | 25.81629 | 47.58923 | 14.05888 | 25.29112 | 40.49353 | 6.96318 | 22.84682 | 44.54153 | 11.01118 | 55.19882 |
| 7/16/2025 | 4:00:00 AM | 33.51363 | 59.56935 | 26.05572 | 21.67428 | 46.37077 | 12.85714 | 25.79286 | 47.58923 | 14.0756 | 25.2744 | 40.48995 | 6.97632 | 22.83368 | 44.54511 | 11.03148 | 55.17852 |
| 7/16/2025 | 5:00:00 AM | 33.51363 | 59.56578 | 26.05215 | 21.67785 | 46.39089 | 12.87726 | 25.77274 | 47.58923 | 14.0756 | 25.2744 | 40.48637 | 6.97274 | 22.83726 | 44.53796 | 11.02433 | 55.18567 |
| 7/16/2025 | 6:00:00 AM | 33.51697 | 59.57292 | 26.05595 | 21.67405 | 46.40766 | 12.89069 | 25.75931 | 47.5928 | 14.07583 | 25.27417 | 40.48637 | 6.9694 | 22.8406 | 44.54511 | 11.02814 | 55.18186 |
| 7/16/2025 | 7:00:00 AM | 33.51363 | 59.56578 | 26.05215 | 21.67785 | 46.42778 | 12.91415 | 25.73585 | 47.59993 | 14.0863 | 25.2637 | 40.48279 | 6.96916 | 22.84084 | 44.53081 | 11.01718 | 55.19282 |
| 7/16/2025 | 8:00:00 AM | 33.50694 | 59.56578 | 26.05884 | 21.67116 | 46.43784 | 12.9309 | 25.7191 | 47.58567 | 14.07873 | 25.27127 | 40.47564 | 6.9687 | 22.8413 | 44.53438 | 11.02744 | 55.18256 |
| 7/16/2025 | 9:00:00 AM | 33.51028 | 59.56578 | 26.0555 | 21.6745 | 46.44455 | 12.93427 | 25.71573 | 47.58567 | 14.07539 | 25.27461 | 40.46848 | 6.9582 | 22.8518 | 44.52724 | 11.01696 | 55.19304 |
| 7/16/2025 | 10:00:00 AM | 33.49356 | 59.55507 | 26.06151 | 21.66849 | 46.44455 | 12.95099 | 25.69901 | 47.57854 | 14.08498 | 25.26502 | 40.46133 | 6.96777 | 22.84223 | 44.52009 | 11.02653 | 55.18347 |
| 7/16/2025 | 11:00:00 AM | 33.46347 | 59.53364 | 26.07017 | 21.65983 | 46.42107 | 12.9576 | 25.6924 | 47.55715 | 14.09368 | 25.25632 | 40.44701 | 6.98354 | 22.82646 | 44.49507 | 11.0316 | 55.1784 |
| 7/16/2025 | 12:00:00 PM | 33.45678 | 59.51579 | 26.05901 | 21.67099 | 46.40095 | 12.94417 | 25.70583 | 47.53932 | 14.08254 | 25.26746 | 40.43628 | 6.9795 | 22.8305 | 44.48435 | 11.02757 | 55.18243 |
| 7/16/2025 | 1:00:00 PM | 33.44006 | 59.49793 | 26.05787 | 21.67213 | 46.36406 | 12.924 | 25.726 | 47.52862 | 14.08856 | 25.26144 | 40.42555 | 6.98549 | 22.82451 | 44.47363 | 11.03357 | 55.17643 |
| 7/16/2025 | 2:00:00 PM | 33.41665 | 59.47651 | 26.05986 | 21.67014 | 46.3171 | 12.90045 | 25.74955 | 47.49654 | 14.07989 | 25.27011 | 40.41124 | 6.99459 | 22.81541 | 44.45933 | 11.04268 | 55.16732 |
| 7/16/2025 | 3:00:00 PM | 33.39993 | 59.44794 | 26.04801 | 21.68199 | 46.27015 | 12.87022 | 25.77978 | 47.48584 | 14.08591 | 25.26409 | 40.39692 | 6.99699 | 22.81301 | 44.45218 | 11.05225 | 55.15775 |
| 7/16/2025 | 4:00:00 PM | 33.37652 | 59.43009 | 26.05357 | 21.67643 | 46.21313 | 12.83661 | 25.81339 | 47.45375 | 14.07723 | 25.27277 | 40.38619 | 7.00967 | 22.80033 | 44.43431 | 11.05779 | 55.15221 |
| 7/16/2025 | 5:00:00 PM | 33.35646 | 59.41223 | 26.05577 | 21.67423 | 46.16282 | 12.80636 | 25.84364 | 47.43593 | 14.07947 | 25.27053 | 40.37546 | 7.019 | 22.791 | 44.42359 | 11.06713 | 55.14287 |
| 7/16/2025 | 6:00:00 PM | 33.34308 | 59.38724 | 26.04416 | 21.68584 | 46.10916 | 12.76608 | 25.88392 | 47.41454 | 14.07146 | 25.27854 | 40.35399 | 7.01091 | 22.79909 | 44.41645 | 11.07337 | 55.13663 |
| 7/16/2025 | 7:00:00 PM | 33.32971 | 59.38009 | 26.05038 | 21.67962 | 46.05885 | 12.72914 | 25.92086 | 47.40027 | 14.07056 | 25.27944 | 40.34684 | 7.01713 | 22.79287 | 44.4093 | 11.07959 | 55.13041 |
| 7/16/2025 | 8:00:00 PM | 33.33305 | 59.37652 | 26.04347 | 21.68653 | 46.03873 | 12.70568 | 25.94432 | 47.39314 | 14.06009 | 25.28991 | 40.3361 | 7.00305 | 22.80695 | 44.42359 | 11.09054 | 55.11946 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/16/2025 | 9:00:00 PM | 33.3364 | 59.38009 | 26.04369 | 21.68631 | 46.03538 | 12.69898 | 25.95102 | 47.39671 | 14.06031 | 25.28969 | 40.33252 | 6.99612 | 22.81388 | 44.42359 | 11.08719 | 55.12281 |
| 7/16/2025 | 10:00:00 PM | 33.35312 | 59.39081 | 26.03769 | 21.69231 | 46.03873 | 12.68561 | 25.96439 | 47.40741 | 14.05429 | 25.29571 | 40.33968 | 6.98656 | 22.82344 | 44.43789 | 11.08477 | 55.12523 |
| 7/16/2025 | 11:00:00 PM | 33.35646 | 59.38724 | 26.03078 | 21.69922 | 46.04544 | 12.68898 | 25.96102 | 47.40741 | 14.05095 | 25.29905 | 40.32895 | 6.97249 | 22.83751 | 44.43789 | 11.08143 | 55.12857 |
| 7/17/2025 | 12:00:00 AM | 33.35312 | 59.38724 | 26.03412 | 21.69588 | 46.06221 | 12.70909 | 25.94091 | 47.39671 | 14.04359 | 25.30641 | 40.32179 | 6.96867 | 22.84133 | 44.43431 | 11.08119 | 55.12881 |
| 7/17/2025 | 1:00:00 AM | 33.36649 | 59.40509 | 26.0386 | 21.6914 | 46.08904 | 12.72255 | 25.92745 | 47.40741 | 14.04092 | 25.30908 | 40.32895 | 6.96246 | 22.84754 | 44.44146 | 11.07497 | 55.13503 |
| 7/17/2025 | 2:00:00 AM | 33.38656 | 59.42652 | 26.03996 | 21.69004 | 46.13935 | 12.75279 | 25.89721 | 47.42523 | 14.03867 | 25.31133 | 40.3361 | 6.94954 | 22.86046 | 44.44861 | 11.06205 | 55.14795 |
| 7/17/2025 | 3:00:00 AM | 33.39993 | 59.43366 | 26.03373 | 21.69627 | 46.17624 | 12.77631 | 25.87369 | 47.44662 | 14.04669 | 25.30331 | 40.35399 | 6.95406 | 22.85594 | 44.47005 | 11.07012 | 55.13988 |
| 7/17/2025 | 4:00:00 AM | 33.42334 | 59.44794 | 26.0246 | 21.7054 | 46.21649 | 12.79315 | 25.85685 | 47.45732 | 14.03398 | 25.31602 | 40.35757 | 6.93423 | 22.87577 | 44.47005 | 11.04671 | 55.16329 |
| 7/17/2025 | 5:00:00 AM | 33.44675 | 59.45865 | 26.0119 | 21.7181 | 46.25338 | 12.80663 | 25.84337 | 47.48228 | 14.03553 | 25.31447 | 40.3683 | 6.92155 | 22.88845 | 44.4772 | 11.03045 | 55.17955 |
| 7/17/2025 | 6:00:00 AM | 33.45344 | 59.47651 | 26.02307 | 21.70693 | 46.28356 | 12.83012 | 25.81988 | 47.49297 | 14.03953 | 25.31047 | 40.37188 | 6.91844 | 22.89156 | 44.47005 | 11.01661 | 55.19339 |
| 7/17/2025 | 7:00:00 AM | 33.48019 | 59.49079 | 26.0106 | 21.7194 | 46.32046 | 12.84027 | 25.80973 | 47.5108 | 14.03061 | 25.31939 | 40.38619 | 6.906 | 22.904 | 44.48078 | 11.00059 | 55.20941 |
| 7/17/2025 | 8:00:00 AM | 33.49691 | 59.5015 | 26.00459 | 21.72541 | 46.3607 | 12.86379 | 25.78621 | 47.53576 | 14.03885 | 25.31115 | 40.39692 | 6.90001 | 22.90999 | 44.48435 | 10.98744 | 55.22256 |
| 7/17/2025 | 9:00:00 AM | 33.51028 | 59.5265 | 26.01622 | 21.71378 | 46.3976 | 12.88732 | 25.76268 | 47.55358 | 14.0433 | 25.3067 | 40.41481 | 6.90453 | 22.90547 | 44.4915 | 10.98122 | 55.22878 |
| 7/17/2025 | 10:00:00 AM | 33.51363 | 59.51936 | 26.00573 | 21.72427 | 46.4043 | 12.89067 | 25.75933 | 47.55358 | 14.03995 | 25.31005 | 40.40766 | 6.89403 | 22.91597 | 44.48078 | 10.96715 | 55.24285 |
| 7/17/2025 | 11:00:00 AM | 33.51363 | 59.52293 | 26.0093 | 21.7207 | 46.40766 | 12.89403 | 25.75597 | 47.55715 | 14.04352 | 25.30648 | 40.40766 | 6.89403 | 22.91597 | 44.47363 | 10.96 | 55.25 |
| 7/17/2025 | 12:00:00 PM | 33.51028 | 59.51222 | 26.00194 | 21.72806 | 46.40766 | 12.89738 | 25.75262 | 47.56071 | 14.05043 | 25.29957 | 40.41124 | 6.90096 | 22.90904 | 44.46291 | 10.95263 | 55.25737 |
| 7/17/2025 | 1:00:00 PM | 33.5036 | 59.50865 | 26.00505 | 21.72495 | 46.38753 | 12.88393 | 25.76607 | 47.55002 | 14.04642 | 25.30358 | 40.40766 | 6.90406 | 22.90594 | 44.45933 | 10.95573 | 55.25427 |
| 7/17/2025 | 2:00:00 PM | 33.49691 | 59.49079 | 25.99388 | 21.73612 | 46.35735 | 12.86044 | 25.78956 | 47.55002 | 14.05311 | 25.29689 | 40.41481 | 6.9179 | 22.8921 | 44.44861 | 10.9517 | 55.2583 |
| 7/17/2025 | 3:00:00 PM | 33.48353 | 59.49079 | 26.00726 | 21.72274 | 46.32046 | 12.83693 | 25.81307 | 47.52506 | 14.04153 | 25.30847 | 40.39692 | 6.91339 | 22.89661 | 44.43789 | 10.95436 | 55.25564 |
| 7/17/2025 | 4:00:00 PM | 33.4735 | 59.46937 | 25.99587 | 21.73413 | 46.28021 | 12.80671 | 25.84329 | 47.52149 | 14.04799 | 25.30201 | 40.40408 | 6.93058 | 22.87942 | 44.43431 | 10.96081 | 55.24919 |
| 7/17/2025 | 5:00:00 PM | 33.47016 | 59.4658 | 25.99564 | 21.73436 | 46.23996 | 12.7698 | 25.8802 | 47.50367 | 14.03351 | 25.31649 | 40.39335 | 6.92319 | 22.88681 | 44.42717 | 10.95701 | 55.25299 |
| 7/17/2025 | 6:00:00 PM | 33.46012 | 59.44794 | 25.98782 | 21.74218 | 46.18966 | 12.72954 | 25.92046 | 47.49297 | 14.03285 | 25.31715 | 40.38977 | 6.92965 | 22.88035 | 44.43074 | 10.97062 | 55.23938 |
| 7/17/2025 | 7:00:00 PM | 33.46012 | 59.45151 | 25.99139 | 21.73861 | 46.16953 | 12.70941 | 25.94059 | 47.47871 | 14.01859 | 25.33141 | 40.39692 | 6.9368 | 22.8732 | 44.42717 | 10.96705 | 55.24295 |
| 7/17/2025 | 8:00:00 PM | 33.46681 | 59.4658 | 25.99899 | 21.73101 | 46.14941 | 12.6826 | 25.9674 | 47.49297 | 14.02616 | 25.32384 | 40.40408 | 6.93727 | 22.87273 | 44.44146 | 10.97465 | 55.23535 |
| 7/17/2025 | 9:00:00 PM | 33.48019 | 59.45865 | 25.97846 | 21.75154 | 46.13935 | 12.65916 | 25.99084 | 47.50367 | 14.02348 | 25.32652 | 40.40408 | 6.92389 | 22.88611 | 44.44504 | 10.96485 | 55.24515 |
| 7/17/2025 | 10:00:00 PM | 33.49691 | 59.47651 | 25.9796 | 21.7504 | 46.15612 | 12.65921 | 25.99079 | 47.5108 | 14.01389 | 25.33611 | 40.40766 | 6.91075 | 22.89925 | 44.45933 | 10.96242 | 55.24758 |
| 7/17/2025 | 11:00:00 PM | 33.49356 | 59.48722 | 25.99366 | 21.73634 | 46.16953 | 12.67597 | 25.97403 | 47.50723 | 14.01367 | 25.33633 | 40.41124 | 6.91768 | 22.89232 | 44.46291 | 10.96935 | 55.24065 |
| 7/18/2025 | 12:00:00 AM | 33.51028 | 59.48722 | 25.97694 | 21.75306 | 46.1863 | 12.67602 | 25.97398 | 47.5108 | 14.00052 | 25.34948 | 40.41124 | 6.90096 | 22.90904 | 44.46291 | 10.95263 | 55.25737 |
| 7/18/2025 | 1:00:00 AM | 33.51028 | 59.48365 | 25.97337 | 21.75663 | 46.20643 | 12.69615 | 25.95385 | 47.5108 | 14.00052 | 25.34948 | 40.41839 | 6.90811 | 22.90189 | 44.46291 | 10.95263 | 55.25737 |
| 7/18/2025 | 2:00:00 AM | 33.49691 | 59.48365 | 25.98674 | 21.74326 | 46.22319 | 12.72628 | 25.92372 | 47.5108 | 14.01389 | 25.33611 | 40.41124 | 6.91433 | 22.89567 | 44.44861 | 10.9517 | 55.2583 |
| 7/18/2025 | 3:00:00 AM | 33.50025 | 59.5015 | 26.00125 | 21.72875 | 46.25673 | 12.75648 | 25.89352 | 47.5108 | 14.01055 | 25.33945 | 40.41481 | 6.91456 | 22.89544 | 44.45576 | 10.95551 | 55.25449 |
| 7/18/2025 | 4:00:00 AM | 33.51363 | 59.50865 | 25.99502 | 21.73498 | 46.28356 | 12.76993 | 25.88007 | 47.51436 | 14.00073 | 25.34927 | 40.42197 | 6.90834 | 22.90166 | 44.45218 | 10.93855 | 55.27145 |
| 7/18/2025 | 5:00:00 AM | 33.51363 | 59.51222 | 25.99859 | 21.73141 | 46.3171 | 12.80347 | 25.84653 | 47.52862 | 14.01499 | 25.33501 | 40.42913 | 6.9155 | 22.8945 | 44.45933 | 10.9457 | 55.2643 |
| 7/18/2025 | 6:00:00 AM | 33.52366 | 59.51936 | 25.9957 | 21.7343 | 46.33723 | 12.81357 | 25.83643 | 47.52862 | 14.00496 | 25.34504 | 40.4327 | 6.90904 | 22.90096 | 44.47005 | 10.94639 | 55.26361 |
| 7/18/2025 | 7:00:00 AM | 33.53704 | 59.5265 | 25.98946 | 21.74054 | 46.36741 | 12.83037 | 25.81963 | 47.54645 | 14.00941 | 25.34059 | 40.42913 | 6.89209 | 22.91791 | 44.46648 | 10.92944 | 55.28056 |
| 7/18/2025 | 8:00:00 AM | 33.53035 | 59.53364 | 26.00329 | 21.72671 | 46.39089 | 12.86054 | 25.78946 | 47.54289 | 14.01254 | 25.33746 | 40.4327 | 6.90235 | 22.90765 | 44.47005 | 10.9397 | 55.2703 |
| 7/18/2025 | 9:00:00 AM | 33.53704 | 59.54078 | 26.00374 | 21.72626 | 46.41101 | 12.87397 | 25.77603 | 47.56784 | 14.0308 | 25.3192 | 40.43986 | 6.90282 | 22.90718 | 44.4772 | 10.94016 | 55.26984 |
| 7/18/2025 | 10:00:00 AM | 33.54707 | 59.54078 | 25.99371 | 21.73629 | 46.42778 | 12.88071 | 25.76929 | 47.55715 | 14.01008 | 25.33992 | 40.43986 | 6.89279 | 22.91721 | 44.47005 | 10.92298 | 55.28702 |
| 7/18/2025 | 11:00:00 AM | 33.5571 | 59.55864 | 26.00154 | 21.72846 | 46.45126 | 12.89416 | 25.75584 | 47.5821 | 14.025 | 25.325 | 40.45417 | 6.89707 | 22.91293 | 44.48435 | 10.92725 | 55.28275 |
| 7/18/2025 | 12:00:00 PM | 33.58051 | 59.57292 | 25.99241 | 21.73759 | 46.46467 | 12.88416 | 25.76584 | 47.59636 | 14.01585 | 25.33415 | 40.4649 | 6.88439 | 22.92561 | 44.50937 | 10.92886 | 55.28114 |
| 7/18/2025 | 1:00:00 PM | 33.60057 | 59.59078 | 25.99021 | 21.73979 | 46.47474 | 12.87417 | 25.77583 | 47.61776 | 14.01719 | 25.33281 | 40.48279 | 6.88222 | 22.92778 | 44.52009 | 10.91952 | 55.29048 |
| 7/18/2025 | 2:00:00 PM | 33.60392 | 59.58721 | 25.98329 | 21.74671 | 46.47138 | 12.86746 | 25.78254 | 47.62132 | 14.0174 | 25.3326 | 40.47564 | 6.87172 | 22.93828 | 44.51294 | 10.90902 | 55.30098 |
| 7/18/2025 | 3:00:00 PM | 33.59388 | 59.57649 | 25.98261 | 21.74739 | 46.45461 | 12.86073 | 25.78927 | 47.61063 | 14.01675 | 25.33325 | 40.47206 | 6.87818 | 22.93182 | 44.50222 | 10.90834 | 55.30166 |
| 7/18/2025 | 4:00:00 PM | 33.59054 | 59.56578 | 25.97524 | 21.75476 | 46.4412 | 12.85066 | 25.79934 | 47.60706 | 14.01652 | 25.33348 | 40.47921 | 6.88867 | 22.92133 | 44.48792 | 10.89738 | 55.31262 |
| 7/18/2025 | 5:00:00 PM | 33.59723 | 59.56935 | 25.97212 | 21.75788 | 46.42443 | 12.8272 | 25.8228 | 47.60706 | 14.00983 | 25.34017 | 40.48637 | 6.88914 | 22.92086 | 44.4915 | 10.89427 | 55.31573 |
| 7/18/2025 | 6:00:00 PM | 33.5872 | 59.56221 | 25.97501 | 21.75499 | 46.3976 | 12.8104 | 25.8396 | 47.6035 | 14.0163 | 25.3337 | 40.47921 | 6.89201 | 22.91799 | 44.48078 | 10.89358 | 55.31642 |
| 7/18/2025 | 7:00:00 PM | 33.58051 | 59.55864 | 25.97813 | 21.75187 | 46.37077 | 12.79026 | 25.85974 | 47.59636 | 14.01585 | 25.33415 | 40.47921 | 6.8987 | 22.9113 | 44.48078 | 10.90027 | 55.30973 |
| 7/18/2025 | 8:00:00 PM | 33.58385 | 59.56221 | 25.97836 | 21.75164 | 46.34058 | 12.75673 | 25.89327 | 47.59993 | 14.01608 | 25.33392 | 40.47921 | 6.89536 | 22.91464 | 44.49507 | 10.91122 | 55.29878 |
| 7/18/2025 | 9:00:00 PM | 33.59723 | 59.57292 | 25.97569 | 21.75431 | 46.34393 | 12.7467 | 25.9033 | 47.6035 | 14.00627 | 25.34373 | 40.4971 | 6.89987 | 22.91013 | 44.50579 | 10.90856 | 55.30144 |
| 7/18/2025 | 10:00:00 PM | 33.61729 | 59.59435 | 25.97706 | 21.75294 | 46.34729 | 12.73 | 25.92 | 47.61776 | 14.00047 | 25.34953 | 40.50426 | 6.88697 | 22.92303 | 44.52009 | 10.9028 | 55.3072 |
| 7/18/2025 | 11:00:00 PM | 33.63067 | 59.59792 | 25.96725 | 21.76275 | 46.354 | 12.72333 | 25.92667 | 47.62132 | 13.99065 | 25.35935 | 40.51141 | 6.88074 | 22.92926 | 44.52366 | 10.89299 | 55.31701 |
| 7/19/2025 | 12:00:00 AM | 33.64404 | 59.60863 | 25.96459 | 21.76541 | 46.38753 | 12.74349 | 25.90651 | 47.64271 | 13.99867 | 25.35133 | 40.52573 | 6.88169 | 22.92831 | 44.53438 | 10.89034 | 55.31966 |
| 7/19/2025 | 1:00:00 AM | 33.64739 | 59.61577 | 25.96838 | 21.76162 | 46.4043 | 12.75691 | 25.89309 | 47.63915 | 13.99176 | 25.35824 | 40.52573 | 6.87834 | 22.93166 | 44.53438 | 10.88699 | 55.32301 |
| 7/19/2025 | 2:00:00 AM | 33.66076 | 59.63363 | 25.97287 | 21.75713 | 46.4412 | 12.78044 | 25.86956 | 47.64628 | 13.98552 | 25.36448 | 40.53288 | 6.87212 | 22.93788 | 44.53796 | 10.8772 | 55.3328 |
| 7/19/2025 | 3:00:00 AM | 33.6708 | 59.64791 | 25.97711 | 21.75289 | 46.47138 | 12.80058 | 25.84942 | 47.66054 | 13.98974 | 25.36026 | 40.54004 | 6.86924 | 22.94076 | 44.54868 | 10.87788 | 55.33212 |
| 7/19/2025 | 4:00:00 AM | 33.6708 | 59.64434 | 25.97354 | 21.75646 | 46.49151 | 12.82071 | 25.82929 | 47.66411 | 13.99331 | 25.35669 | 40.53646 | 6.86566 | 22.94434 | 44.53796 | 10.86716 | 55.34284 |
| 7/19/2025 | 5:00:00 AM | 33.67748 | 59.64791 | 25.97043 | 21.75957 | 46.51163 | 12.83415 | 25.81585 | 47.66767 | 13.99019 | 25.35981 | 40.54719 | 6.86971 | 22.94029 | 44.54511 | 10.86763 | 55.34237 |
| 7/19/2025 | 6:00:00 AM | 33.6942 | 59.66219 | 25.96799 | 21.76201 | 46.53846 | 12.84426 | 25.80574 | 47.6855 | 13.9913 | 25.3587 | 40.5615 | 6.8673 | 22.9427 | 44.55225 | 10.85805 | 55.35195 |
| 7/19/2025 | 7:00:00 AM | 33.70424 | 59.67291 | 25.96867 | 21.76133 | 46.56864 | 12.8644 | 25.7856 | 47.69263 | 13.98839 | 25.36161 | 40.57224 | 6.868 | 22.942 | 44.55583 | 10.85159 | 55.35841 |
| 7/19/2025 | 8:00:00 AM | 33.71761 | 59.69076 | 25.97315 | 21.75685 | 46.60218 | 12.88457 | 25.76543 | 47.71402 | 13.99641 | 25.35359 | 40.58297 | 6.86536 | 22.94464 | 44.5737 | 10.85609 | 55.35391 |
| 7/19/2025 | 9:00:00 AM | 33.73768 | 59.70862 | 25.97094 | 21.75906 | 46.63572 | 12.89804 | 25.75196 | 47.73185 | 13.99417 | 25.35583 | 40.5937 | 6.85602 | 22.95398 | 44.57727 | 10.83959 | 55.37041 |
| 7/19/2025 | 10:00:00 AM | 33.73099 | 59.70147 | 25.97048 | 21.75952 | 46.64578 | 12.91479 | 25.73521 | 47.73541 | 14.00442 | 25.34558 | 40.59013 | 6.85914 | 22.95086 | 44.58084 | 10.84985 | 55.36015 |
| 7/19/2025 | 11:00:00 AM | 33.7544 | 59.72647 | 25.97207 | 21.75793 | 46.66926 | 12.91486 | 25.73514 | 47.74967 | 13.99527 | 25.35473 | 40.61159 | 6.85719 | 22.95281 | 44.58799 | 10.83359 | 55.37641 |
| 7/19/2025 | 12:00:00 PM | 33.7544 | 59.72647 | 25.97207 | 21.75793 | 46.68268 | 12.92828 | 25.72172 | 47.7568 | 14.0024 | 25.3476 | 40.61159 | 6.85719 | 22.95281 | 44.58799 | 10.83359 | 55.37641 |
| 7/19/2025 | 1:00:00 PM | 33.74436 | 59.71576 | 25.9714 | 21.7586 | 46.68603 | 12.94167 | 25.70833 | 47.74611 | 14.00175 | 25.34825 | 40.60444 | 6.86008 | 22.94992 | 44.5737 | 10.82934 | 55.38066 |
| 7/19/2025 | 2:00:00 PM | 33.73099 | 59.71576 | 25.98477 | 21.74523 | 46.67932 | 12.94833 | 25.70167 | 47.74254 | 14.01155 | 25.33845 | 40.59728 | 6.86629 | 22.94371 | 44.56655 | 10.83556 | 55.37444 |
| 7/19/2025 | 3:00:00 PM | 33.73099 | 59.71219 | 25.9812 | 21.7488 | 46.67597 | 12.94498 | 25.70502 | 47.74254 | 14.01155 | 25.33845 | 40.60444 | 6.87345 | 22.93655 | 44.57012 | 10.83913 | 55.37087 |
| 7/19/2025 | 4:00:00 PM | 33.71761 | 59.6979 | 25.98029 | 21.74971 | 46.65249 | 12.93488 | 25.71512 | 47.73541 | 14.0178 | 25.3322 | 40.59728 | 6.87967 | 22.93033 | 44.56655 | 10.84894 | 55.36106 |
| 7/19/2025 | 5:00:00 PM | 33.6942 | 59.68719 | 25.99299 | 21.73701 | 46.62231 | 12.92811 | 25.72189 | 47.71402 | 14.01982 | 25.33018 | 40.59013 | 6.89593 | 22.91407 | 44.55225 | 10.85805 | 55.35195 |
| 7/19/2025 | 6:00:00 PM | 33.68417 | 59.68719 | 26.00302 | 21.72698 | 46.59548 | 12.91131 | 25.73869 | 47.70689 | 14.02272 | 25.32728 | 40.59013 | 6.90596 | 22.90404 | 44.54868 | 10.86451 | 55.34549 |
| 7/19/2025 | 7:00:00 PM | 33.67414 | 59.66576 | 25.99162 | 21.73838 | 46.55523 | 12.88109 | 25.76891 | 47.69263 | 14.01849 | 25.33151 | 40.57939 | 6.90525 | 22.90475 | 44.54511 | 10.87097 | 55.33903 |
| 7/19/2025 | 8:00:00 PM | 33.67748 | 59.65862 | 25.98114 | 21.74886 | 46.52169 | 12.84421 | 25.80579 | 47.68193 | 14.00445 | 25.34555 | 40.57581 | 6.89833 | 22.91167 | 44.54511 | 10.86763 | 55.34237 |
| 7/19/2025 | 9:00:00 PM | 33.67748 | 59.66219 | 25.98471 | 21.74529 | 46.50157 | 12.82409 | 25.82591 | 47.6855 | 14.00802 | 25.34198 | 40.57939 | 6.90191 | 22.90809 | 44.5594 | 10.88192 | 55.32808 |
| 7/19/2025 | 10:00:00 PM | 33.68752 | 59.67291 | 25.98539 | 21.74461 | 46.49486 | 12.80734 | 25.84266 | 47.69263 | 14.00511 | 25.34489 | 40.58655 | 6.89903 | 22.91097 | 44.57012 | 10.8826 | 55.3274 |
| 7/19/2025 | 11:00:00 PM | 33.68417 | 59.67291 | 25.98874 | 21.74126 | 46.49486 | 12.81069 | 25.83931 | 47.69263 | 14.00846 | 25.34154 | 40.57939 | 6.89522 | 22.91478 | 44.57012 | 10.88595 | 55.32405 |
| 7/20/2025 | 12:00:00 AM | 33.69086 | 59.66576 | 25.9749 | 21.7551 | 46.49486 | 12.804 | 25.846 | 47.68193 | 13.99107 | 25.35893 | 40.57939 | 6.88853 | 22.92147 | 44.56655 | 10.87569 | 55.33431 |
| 7/20/2025 | 1:00:00 AM | 33.68417 | 59.66934 | 25.98517 | 21.74483 | 46.50827 | 12.8241 | 25.8259 | 47.6855 | 14.00133 | 25.34867 | 40.57581 | 6.89164 | 22.91836 | 44.5737 | 10.88953 | 55.32047 |
| 7/20/2025 | 2:00:00 AM | 33.67414 | 59.66576 | 25.99162 | 21.73838 | 46.51834 | 12.8442 | 25.8058 | 47.67124 | 13.9971 | 25.3529 | 40.57581 | 6.90167 | 22.90833 | 44.56298 | 10.88884 | 55.32116 |
| 7/20/2025 | 3:00:00 AM | 33.66411 | 59.65862 | 25.99451 | 21.73549 | 46.52504 | 12.86093 | 25.78907 | 47.65697 | 13.99286 | 25.35714 | 40.56508 | 6.90097 | 22.90903 | 44.55583 | 10.89172 | 55.31828 |
| 7/20/2025 | 4:00:00 AM | 33.65408 | 59.65505 | 26.00097 | 21.72903 | 46.52169 | 12.86761 | 25.78239 | 47.65341 | 13.99933 | 25.35067 | 40.5615 | 6.90742 | 22.90258 | 44.54868 | 10.8946 | 55.3154 |
| 7/20/2025 | 5:00:00 AM | 33.66076 | 59.66219 | 26.00143 | 21.72857 | 46.54181 | 12.88105 | 25.76895 | 47.66054 | 13.99978 | 25.35022 | 40.56508 | 6.90432 | 22.90568 | 44.56655 | 10.90579 | 55.30421 |
| 7/20/2025 | 6:00:00 AM | 33.66076 | 59.66219 | 26.00143 | 21.72857 | 46.56194 | 12.90118 | 25.74882 | 47.66411 | 14.00335 | 25.34665 | 40.55793 | 6.89717 | 22.91283 | 44.57012 | 10.90936 | 55.30064 |
| 7/20/2025 | 7:00:00 AM | 33.66076 | 59.66934 | 26.00858 | 21.72142 | 46.58541 | 12.92465 | 25.72535 | 47.66767 | 14.00691 | 25.34309 | 40.56866 | 6.9079 | 22.9021 | 44.57012 | 10.90936 | 55.30064 |
| 7/20/2025 | 8:00:00 AM | 33.66745 | 59.66219 | 25.99474 | 21.73526 | 46.59883 | 12.93138 | 25.71862 | 47.66054 | 13.99309 | 25.35691 | 40.55793 | 6.89048 | 22.91952 | 44.57012 | 10.90267 | 55.30733 |
| 7/20/2025 | 9:00:00 AM | 33.65408 | 59.65505 | 26.00097 | 21.72903 | 46.59883 | 12.94475 | 25.70525 | 47.66411 | 14.01003 | 25.33997 | 40.55077 | 6.89669 | 22.91331 | 44.56298 | 10.9089 | 55.3011 |
| 7/20/2025 | 10:00:00 AM | 33.6407 | 59.64434 | 26.00364 | 21.72636 | 46.59548 | 12.95478 | 25.69522 | 47.64628 | 14.00558 | 25.34442 | 40.53646 | 6.89576 | 22.91424 | 44.54511 | 10.90441 | 55.30559 |
| 7/20/2025 | 11:00:00 AM | 33.6407 | 59.64791 | 26.00721 | 21.72279 | 46.60554 | 12.96484 | 25.68516 | 47.66054 | 14.01984 | 25.33016 | 40.54719 | 6.90649 | 22.90351 | 44.55583 | 10.91513 | 55.29487 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/20/2025 | 12:00:00 PM | 33.62398 | 59.64077 | 26.01679 | 21.71321 | 46.58541 | 12.96143 | 25.68857 | 47.64628 | 14.0223 | 25.3277 | 40.5293 | 6.90532 | 22.90468 | 44.53796 | 10.91398 | 55.29602 |
| 7/20/2025 | 1:00:00 PM | 33.59723 | 59.61577 | 26.01854 | 21.71146 | 46.55858 | 12.96135 | 25.68865 | 47.61419 | 14.01696 | 25.33304 | 40.51141 | 6.91418 | 22.89582 | 44.52366 | 10.92643 | 55.28357 |
| 7/20/2025 | 2:00:00 PM | 33.57716 | 59.60506 | 26.0279 | 21.7021 | 46.5284 | 12.95124 | 25.69876 | 47.60706 | 14.0299 | 25.3201 | 40.50426 | 6.9271 | 22.8829 | 44.52009 | 10.94293 | 55.26707 |
| 7/20/2025 | 3:00:00 PM | 33.57382 | 59.59792 | 26.0241 | 21.7059 | 46.49486 | 12.92104 | 25.72896 | 47.6035 | 14.02968 | 25.32032 | 40.50068 | 6.92686 | 22.88314 | 44.50937 | 10.93555 | 55.27445 |
| 7/20/2025 | 4:00:00 PM | 33.55376 | 59.56578 | 26.01202 | 21.71798 | 46.45461 | 12.90085 | 25.74915 | 47.58567 | 14.03191 | 25.31809 | 40.48279 | 6.92903 | 22.88097 | 44.50937 | 10.95561 | 55.25439 |
| 7/20/2025 | 5:00:00 PM | 33.54038 | 59.5515 | 26.01112 | 21.71888 | 46.41437 | 12.87399 | 25.77601 | 47.56428 | 14.0239 | 25.3261 | 40.47921 | 6.93883 | 22.87117 | 44.50579 | 10.96541 | 55.24459 |
| 7/20/2025 | 6:00:00 PM | 33.53704 | 59.54436 | 26.00732 | 21.72268 | 46.36741 | 12.83037 | 25.81963 | 47.55358 | 14.01654 | 25.33346 | 40.47206 | 6.93502 | 22.87498 | 44.51294 | 10.9759 | 55.2341 |
| 7/20/2025 | 7:00:00 PM | 33.53369 | 59.5515 | 26.01781 | 21.71219 | 46.35064 | 12.81695 | 25.83305 | 47.55358 | 14.01989 | 25.33011 | 40.46848 | 6.93479 | 22.87521 | 44.50937 | 10.97568 | 55.23432 |
| 7/20/2025 | 8:00:00 PM | 33.53704 | 59.54793 | 26.01089 | 21.71911 | 46.3171 | 12.78006 | 25.86994 | 47.54289 | 14.00585 | 25.34415 | 40.4649 | 6.92786 | 22.88214 | 44.51294 | 10.9759 | 55.2341 |
| 7/20/2025 | 9:00:00 PM | 33.54707 | 59.5515 | 26.00443 | 21.72557 | 46.30369 | 12.75662 | 25.89338 | 47.54289 | 13.99582 | 25.35418 | 40.46848 | 6.92141 | 22.88859 | 44.52724 | 10.98017 | 55.22983 |
| 7/20/2025 | 10:00:00 PM | 33.53704 | 59.54436 | 26.00732 | 21.72268 | 46.28692 | 12.74988 | 25.90012 | 47.53576 | 13.99872 | 25.35128 | 40.45775 | 6.92071 | 22.88929 | 44.51651 | 10.97947 | 55.23053 |
| 7/20/2025 | 11:00:00 PM | 33.53035 | 59.53364 | 26.00329 | 21.72671 | 46.27686 | 12.74651 | 25.90349 | 47.52862 | 13.99827 | 25.35173 | 40.44701 | 6.91666 | 22.89334 | 44.50937 | 10.97902 | 55.23098 |
| 7/21/2025 | 12:00:00 AM | 33.53704 | 59.54078 | 26.00374 | 21.72626 | 46.29363 | 12.75659 | 25.89341 | 47.52862 | 13.99158 | 25.35842 | 40.43986 | 6.90282 | 22.90718 | 44.50579 | 10.96875 | 55.24125 |
| 7/21/2025 | 1:00:00 AM | 33.53369 | 59.54436 | 26.01067 | 21.71933 | 46.3104 | 12.77671 | 25.87329 | 47.52506 | 13.99137 | 25.35863 | 40.44344 | 6.90975 | 22.90025 | 44.50222 | 10.96853 | 55.24147 |
| 7/21/2025 | 2:00:00 AM | 33.53704 | 59.53364 | 25.9966 | 21.7334 | 46.32716 | 12.79012 | 25.85988 | 47.51793 | 13.98089 | 25.36911 | 40.4327 | 6.89566 | 22.91434 | 44.50222 | 10.96518 | 55.24482 |
| 7/21/2025 | 3:00:00 AM | 33.53704 | 59.53721 | 26.00017 | 21.72983 | 46.354 | 12.81696 | 25.83304 | 47.51793 | 13.98089 | 25.36911 | 40.43986 | 6.90282 | 22.90718 | 44.50937 | 10.97233 | 55.23767 |
| 7/21/2025 | 4:00:00 AM | 33.53035 | 59.54436 | 26.01401 | 21.71599 | 46.3607 | 12.83035 | 25.81965 | 47.52506 | 13.99471 | 25.35529 | 40.43628 | 6.90593 | 22.90407 | 44.50937 | 10.97902 | 55.23098 |
| 7/21/2025 | 5:00:00 AM | 33.53704 | 59.54793 | 26.01089 | 21.71911 | 46.39089 | 12.85385 | 25.79615 | 47.52862 | 13.99158 | 25.35842 | 40.43986 | 6.90282 | 22.90718 | 44.50222 | 10.96518 | 55.24482 |
| 7/21/2025 | 6:00:00 AM | 33.54372 | 59.54436 | 26.00064 | 21.72936 | 46.4043 | 12.86058 | 25.78942 | 47.53219 | 13.98847 | 25.36153 | 40.43628 | 6.89256 | 22.91744 | 44.50937 | 10.96565 | 55.24435 |
| 7/21/2025 | 7:00:00 AM | 33.56379 | 59.56578 | 26.00199 | 21.72801 | 46.4412 | 12.87741 | 25.77259 | 47.54645 | 13.98266 | 25.36734 | 40.44701 | 6.88322 | 22.92678 | 44.51651 | 10.95272 | 55.25728 |
| 7/21/2025 | 8:00:00 AM | 33.56713 | 59.56578 | 25.99865 | 21.73135 | 46.45461 | 12.88748 | 25.76252 | 47.54645 | 13.97932 | 25.37068 | 40.45059 | 6.88346 | 22.92654 | 44.51651 | 10.94938 | 55.26062 |
| 7/21/2025 | 9:00:00 AM | 33.5571 | 59.56221 | 26.00511 | 21.72489 | 46.46467 | 12.90757 | 25.74243 | 47.55002 | 13.99292 | 25.35708 | 40.44344 | 6.88634 | 22.92366 | 44.50937 | 10.95227 | 55.25773 |
| 7/21/2025 | 10:00:00 AM | 33.54707 | 59.55864 | 26.01157 | 21.71843 | 46.46132 | 12.91425 | 25.73575 | 47.53932 | 13.99225 | 25.35775 | 40.42913 | 6.88206 | 22.92794 | 44.49865 | 10.95158 | 55.25842 |
| 7/21/2025 | 11:00:00 AM | 33.53369 | 59.53721 | 26.00352 | 21.72648 | 46.45797 | 12.92428 | 25.72572 | 47.52862 | 13.99493 | 25.35507 | 40.42197 | 6.88828 | 22.92172 | 44.48078 | 10.94709 | 55.26291 |
| 7/21/2025 | 12:00:00 PM | 33.52366 | 59.53721 | 26.01355 | 21.71645 | 46.44455 | 12.92089 | 25.72911 | 47.51793 | 13.99427 | 25.35573 | 40.41124 | 6.88758 | 22.92242 | 44.47363 | 10.94997 | 55.26003 |
| 7/21/2025 | 1:00:00 PM | 33.51028 | 59.51579 | 26.00551 | 21.72449 | 46.42107 | 12.91079 | 25.73921 | 47.50723 | 13.99695 | 25.35305 | 40.40408 | 6.8938 | 22.9162 | 44.46291 | 10.95263 | 55.25737 |
| 7/21/2025 | 2:00:00 PM | 33.50025 | 59.50508 | 26.00483 | 21.72517 | 46.40095 | 12.9007 | 25.7493 | 47.5001 | 13.99985 | 25.35015 | 40.40766 | 6.90741 | 22.90259 | 44.46291 | 10.96266 | 55.24734 |
| 7/21/2025 | 3:00:00 PM | 33.48353 | 59.48365 | 26.00012 | 21.72988 | 46.35735 | 12.87382 | 25.77618 | 47.47871 | 13.99518 | 25.35482 | 40.39692 | 6.91339 | 22.89661 | 44.44861 | 10.96508 | 55.24492 |
| 7/21/2025 | 4:00:00 PM | 33.46681 | 59.47294 | 26.00613 | 21.72387 | 46.32046 | 12.85365 | 25.79635 | 47.46802 | 14.00121 | 25.34879 | 40.38619 | 6.91938 | 22.89062 | 44.44504 | 10.97823 | 55.23177 |
| 7/21/2025 | 5:00:00 PM | 33.47684 | 59.47651 | 25.99967 | 21.73033 | 46.28692 | 12.81008 | 25.83992 | 47.46088 | 13.98404 | 25.36596 | 40.38977 | 6.91293 | 22.89707 | 44.45218 | 10.97534 | 55.23466 |
| 7/21/2025 | 6:00:00 PM | 33.48688 | 59.47651 | 25.98963 | 21.74037 | 46.27015 | 12.78327 | 25.86673 | 47.47871 | 13.99183 | 25.35817 | 40.38977 | 6.90289 | 22.90711 | 44.47005 | 10.98317 | 55.22683 |
| 7/21/2025 | 7:00:00 PM | 33.50025 | 59.48365 | 25.9834 | 21.7466 | 46.25003 | 12.74978 | 25.90022 | 47.48941 | 13.98916 | 25.36084 | 40.39692 | 6.89667 | 22.91333 | 44.48078 | 10.98053 | 55.22947 |
| 7/21/2025 | 8:00:00 PM | 33.51697 | 59.49436 | 25.97739 | 21.75261 | 46.23326 | 12.71629 | 25.93371 | 47.49654 | 13.97957 | 25.37043 | 40.40408 | 6.88711 | 22.92289 | 44.49507 | 10.9781 | 55.2319 |
| 7/21/2025 | 9:00:00 PM | 33.51028 | 59.49079 | 25.98051 | 21.74949 | 46.21984 | 12.70956 | 25.94044 | 47.49297 | 13.98269 | 25.36731 | 40.38977 | 6.87949 | 22.93051 | 44.48792 | 10.97764 | 55.23236 |
| 7/21/2025 | 10:00:00 PM | 33.53704 | 59.5015 | 25.96446 | 21.76554 | 46.2299 | 12.69286 | 25.95714 | 47.50367 | 13.96663 | 25.38337 | 40.40766 | 6.87062 | 22.93938 | 44.4915 | 10.95446 | 55.25554 |
| 7/21/2025 | 11:00:00 PM | 33.53369 | 59.51579 | 25.9821 | 21.7479 | 46.23661 | 12.70292 | 25.94708 | 47.50367 | 13.96998 | 25.38002 | 40.40408 | 6.87039 | 22.93961 | 44.4915 | 10.95781 | 55.25219 |
| 7/22/2025 | 12:00:00 AM | 33.54038 | 59.51579 | 25.97541 | 21.75459 | 46.26009 | 12.71971 | 25.93029 | 47.50367 | 13.96329 | 25.38671 | 40.4005 | 6.86012 | 22.94988 | 44.4915 | 10.95112 | 55.25888 |
| 7/22/2025 | 1:00:00 AM | 33.56044 | 59.53721 | 25.97677 | 21.75323 | 46.30704 | 12.7466 | 25.9034 | 47.52149 | 13.96105 | 25.38895 | 40.41839 | 6.85795 | 22.95205 | 44.50937 | 10.94893 | 55.26107 |
| 7/22/2025 | 2:00:00 AM | 33.56044 | 59.53007 | 25.96963 | 21.76037 | 46.33052 | 12.77008 | 25.87992 | 47.51793 | 13.95749 | 25.39251 | 40.41481 | 6.85437 | 22.95563 | 44.49507 | 10.93463 | 55.27537 |
| 7/22/2025 | 3:00:00 AM | 33.56379 | 59.54078 | 25.97699 | 21.75301 | 46.35735 | 12.79356 | 25.85644 | 47.52862 | 13.96483 | 25.38517 | 40.41839 | 6.8546 | 22.9554 | 44.49865 | 10.93486 | 55.27514 |
| 7/22/2025 | 4:00:00 AM | 33.56713 | 59.54436 | 25.97723 | 21.75277 | 46.38083 | 12.8137 | 25.8363 | 47.52506 | 13.95793 | 25.39207 | 40.42555 | 6.85842 | 22.95158 | 44.48792 | 10.92079 | 55.28921 |
| 7/22/2025 | 5:00:00 AM | 33.57716 | 59.55507 | 25.97791 | 21.75209 | 46.41101 | 12.83385 | 25.81615 | 47.53219 | 13.95503 | 25.39497 | 40.42913 | 6.85197 | 22.95803 | 44.49865 | 10.92149 | 55.28851 |
| 7/22/2025 | 6:00:00 AM | 33.59054 | 59.56578 | 25.97524 | 21.75476 | 46.4412 | 12.85066 | 25.79934 | 47.55715 | 13.96661 | 25.38339 | 40.43986 | 6.84932 | 22.96068 | 44.50579 | 10.91525 | 55.29475 |
| 7/22/2025 | 7:00:00 AM | 33.60057 | 59.58363 | 25.98306 | 21.74694 | 46.47138 | 12.87081 | 25.77919 | 47.56784 | 13.96727 | 25.38273 | 40.45059 | 6.85002 | 22.95998 | 44.50937 | 10.9088 | 55.3012 |
| 7/22/2025 | 8:00:00 AM | 33.61729 | 59.58363 | 25.96634 | 21.76366 | 46.50157 | 12.88428 | 25.76572 | 47.57497 | 13.95768 | 25.39232 | 40.45775 | 6.84046 | 22.96954 | 44.52009 | 10.9028 | 55.3072 |
| 7/22/2025 | 9:00:00 AM | 33.62064 | 59.59792 | 25.97728 | 21.75272 | 46.52169 | 12.90105 | 25.74895 | 47.58567 | 13.96503 | 25.38497 | 40.4649 | 6.84426 | 22.96574 | 44.52009 | 10.89945 | 55.31055 |
| 7/22/2025 | 10:00:00 AM | 33.62398 | 59.58006 | 25.95608 | 21.77392 | 46.53511 | 12.91113 | 25.73887 | 47.58567 | 13.96169 | 25.38831 | 40.45775 | 6.83377 | 22.97623 | 44.50222 | 10.87824 | 55.33176 |
| 7/22/2025 | 11:00:00 AM | 33.62398 | 59.60149 | 25.97751 | 21.75249 | 46.54852 | 12.92454 | 25.72546 | 47.59636 | 13.97238 | 25.37762 | 40.46848 | 6.8445 | 22.9655 | 44.51651 | 10.89253 | 55.31747 |
| 7/22/2025 | 12:00:00 PM | 33.62732 | 59.59435 | 25.96703 | 21.76297 | 46.55858 | 12.93126 | 25.71874 | 47.6035 | 13.97618 | 25.37382 | 40.46848 | 6.84116 | 22.96884 | 44.50222 | 10.8749 | 55.3351 |
| 7/22/2025 | 1:00:00 PM | 33.60726 | 59.58721 | 25.97995 | 21.75005 | 46.55523 | 12.94797 | 25.70203 | 47.58567 | 13.97841 | 25.37159 | 40.46133 | 6.85407 | 22.95593 | 44.4915 | 10.88424 | 55.32576 |
| 7/22/2025 | 2:00:00 PM | 33.59054 | 59.57649 | 25.98595 | 21.74405 | 46.54517 | 12.95463 | 25.69537 | 47.57497 | 13.98443 | 25.36557 | 40.45059 | 6.86005 | 22.94995 | 44.47363 | 10.88309 | 55.32691 |
| 7/22/2025 | 3:00:00 PM | 33.57716 | 59.55864 | 25.98148 | 21.74852 | 46.52169 | 12.94453 | 25.70547 | 47.55715 | 13.97999 | 25.37001 | 40.45059 | 6.87343 | 22.93657 | 44.47005 | 10.89289 | 55.31711 |
| 7/22/2025 | 4:00:00 PM | 33.55041 | 59.54436 | 25.99395 | 21.73605 | 46.47809 | 12.92768 | 25.72232 | 47.54645 | 13.99604 | 25.35396 | 40.43628 | 6.88587 | 22.92413 | 44.46648 | 10.91607 | 55.29393 |
| 7/22/2025 | 5:00:00 PM | 33.54372 | 59.53364 | 25.98992 | 21.74008 | 46.45461 | 12.91089 | 25.73911 | 47.53219 | 13.98847 | 25.36153 | 40.42555 | 6.88183 | 22.92817 | 44.46648 | 10.92276 | 55.28724 |
| 7/22/2025 | 6:00:00 PM | 33.54372 | 59.53007 | 25.98635 | 21.74365 | 46.42107 | 12.87735 | 25.77265 | 47.52862 | 13.9849 | 25.3651 | 40.42913 | 6.88541 | 22.92459 | 44.47363 | 10.92991 | 55.28009 |
| 7/22/2025 | 7:00:00 PM | 33.54372 | 59.52293 | 25.97921 | 21.75079 | 46.38753 | 12.84381 | 25.80619 | 47.53219 | 13.98847 | 25.36153 | 40.43628 | 6.89256 | 22.91744 | 44.4772 | 10.93348 | 55.27652 |
| 7/22/2025 | 8:00:00 PM | 33.55041 | 59.53364 | 25.98323 | 21.74677 | 46.36406 | 12.81365 | 25.83635 | 47.53576 | 13.98535 | 25.36465 | 40.42555 | 6.87514 | 22.93486 | 44.4772 | 10.92679 | 55.28321 |
| 7/22/2025 | 9:00:00 PM | 33.5571 | 59.53007 | 25.97297 | 21.75703 | 46.34393 | 12.78683 | 25.86317 | 47.53219 | 13.97509 | 25.37491 | 40.4327 | 6.8756 | 22.9344 | 44.4915 | 10.9344 | 55.2756 |
| 7/22/2025 | 10:00:00 PM | 33.57382 | 59.54078 | 25.96696 | 21.76304 | 46.34393 | 12.77011 | 25.87989 | 47.54289 | 13.96907 | 25.38093 | 40.43986 | 6.86604 | 22.94396 | 44.50222 | 10.9284 | 55.2816 |
| 7/22/2025 | 11:00:00 PM | 33.57716 | 59.53721 | 25.96005 | 21.76995 | 46.34393 | 12.76677 | 25.88323 | 47.53219 | 13.95503 | 25.39497 | 40.4327 | 6.85554 | 22.95446 | 44.50579 | 10.92863 | 55.28137 |
| 7/23/2025 | 12:00:00 AM | 33.58385 | 59.54793 | 25.96408 | 21.76592 | 46.36406 | 12.78021 | 25.86979 | 47.54289 | 13.95904 | 25.39096 | 40.43986 | 6.85601 | 22.95399 | 44.50222 | 10.91837 | 55.29163 |
| 7/23/2025 | 1:00:00 AM | 33.5872 | 59.56221 | 25.97501 | 21.75499 | 46.38083 | 12.79363 | 25.85637 | 47.54289 | 13.95569 | 25.39431 | 40.44344 | 6.85624 | 22.95376 | 44.50222 | 10.91502 | 55.29498 |
| 7/23/2025 | 2:00:00 AM | 33.60057 | 59.56935 | 25.96878 | 21.76122 | 46.4043 | 12.80373 | 25.84627 | 47.54645 | 13.94588 | 25.40412 | 40.44701 | 6.84644 | 22.96356 | 44.50222 | 10.90165 | 55.30835 |
| 7/23/2025 | 3:00:00 AM | 33.60392 | 59.56578 | 25.96186 | 21.76814 | 46.42778 | 12.82386 | 25.82614 | 47.56071 | 13.95679 | 25.39321 | 40.44344 | 6.83952 | 22.97048 | 44.51651 | 10.91259 | 55.29741 |
| 7/23/2025 | 4:00:00 AM | 33.60392 | 59.57649 | 25.97257 | 21.75743 | 46.4412 | 12.83728 | 25.81272 | 47.55358 | 13.94966 | 25.40034 | 40.45059 | 6.84667 | 22.96333 | 44.50937 | 10.90545 | 55.30455 |
| 7/23/2025 | 5:00:00 AM | 33.60392 | 59.57649 | 25.97257 | 21.75743 | 46.46803 | 12.86411 | 25.78589 | 47.56784 | 13.96392 | 25.38608 | 40.45059 | 6.84667 | 22.96333 | 44.51294 | 10.90902 | 55.30098 |
| 7/23/2025 | 6:00:00 AM | 33.61395 | 59.58363 | 25.96968 | 21.76032 | 46.48815 | 12.8742 | 25.7758 | 47.57141 | 13.95746 | 25.39254 | 40.45775 | 6.8438 | 22.9662 | 44.51294 | 10.89899 | 55.31101 |
| 7/23/2025 | 7:00:00 AM | 33.63067 | 59.60863 | 25.97796 | 21.75204 | 46.52169 | 12.89102 | 25.75898 | 47.58567 | 13.955 | 25.395 | 40.4649 | 6.83423 | 22.97577 | 44.52724 | 10.89657 | 55.31343 |
| 7/23/2025 | 8:00:00 AM | 33.63736 | 59.60506 | 25.9677 | 21.7623 | 46.53846 | 12.9011 | 25.7489 | 47.59993 | 13.96257 | 25.38743 | 40.47564 | 6.83828 | 22.97172 | 44.53081 | 10.89345 | 55.31655 |
| 7/23/2025 | 9:00:00 AM | 33.6407 | 59.61577 | 25.97507 | 21.75493 | 46.55187 | 12.91117 | 25.73883 | 47.6035 | 13.9628 | 25.3872 | 40.47564 | 6.83494 | 22.97506 | 44.52366 | 10.88296 | 55.32704 |
| 7/23/2025 | 10:00:00 AM | 33.6407 | 59.60506 | 25.96436 | 21.76564 | 46.56529 | 12.92459 | 25.72541 | 47.59993 | 13.95923 | 25.39077 | 40.46848 | 6.82778 | 22.98222 | 44.51294 | 10.87224 | 55.33776 |
| 7/23/2025 | 11:00:00 AM | 33.62732 | 59.60149 | 25.97417 | 21.75583 | 46.56529 | 12.93797 | 25.71203 | 47.59636 | 13.96904 | 25.38096 | 40.4649 | 6.83758 | 22.97242 | 44.51294 | 10.88562 | 55.32438 |
| 7/23/2025 | 12:00:00 PM | 33.62398 | 59.59792 | 25.97394 | 21.75606 | 46.56194 | 12.93796 | 25.71204 | 47.59636 | 13.97238 | 25.37762 | 40.4649 | 6.84092 | 22.96908 | 44.50222 | 10.87824 | 55.33176 |
| 7/23/2025 | 1:00:00 PM | 33.6106 | 59.58721 | 25.97661 | 21.75339 | 46.54517 | 12.93457 | 25.71543 | 47.58567 | 13.97507 | 25.37493 | 40.46848 | 6.85788 | 22.95212 | 44.50222 | 10.89162 | 55.31838 |
| 7/23/2025 | 2:00:00 PM | 33.61729 | 59.59078 | 25.97349 | 21.75651 | 46.52169 | 12.9044 | 25.7456 | 47.58567 | 13.96838 | 25.38162 | 40.46848 | 6.85119 | 22.95881 | 44.4915 | 10.87421 | 55.33579 |
| 7/23/2025 | 3:00:00 PM | 33.60392 | 59.57292 | 25.969 | 21.761 | 46.48144 | 12.87752 | 25.77248 | 47.56428 | 13.96036 | 25.38964 | 40.45775 | 6.85383 | 22.95617 | 44.48792 | 10.884 | 55.326 |
| 7/23/2025 | 4:00:00 PM | 33.59054 | 59.56578 | 25.97524 | 21.75476 | 46.4479 | 12.85736 | 25.79264 | 47.56071 | 13.97017 | 25.37983 | 40.45059 | 6.86005 | 22.94995 | 44.4915 | 10.90096 | 55.30904 |
| 7/23/2025 | 5:00:00 PM | 33.59054 | 59.55507 | 25.96453 | 21.76547 | 46.40766 | 12.81712 | 25.83288 | 47.55358 | 13.96304 | 25.38696 | 40.44701 | 6.85647 | 22.95353 | 44.4915 | 10.90096 | 55.30904 |
| 7/23/2025 | 6:00:00 PM | 33.5872 | 59.5515 | 25.9643 | 21.7657 | 46.36741 | 12.78021 | 25.86979 | 47.53932 | 13.95212 | 25.39788 | 40.44344 | 6.85624 | 22.95376 | 44.48078 | 10.89358 | 55.31642 |
| 7/23/2025 | 7:00:00 PM | 33.5872 | 59.5515 | 25.9643 | 21.7657 | 46.33723 | 12.75003 | 25.89997 | 47.54289 | 13.95569 | 25.39431 | 40.45417 | 6.86697 | 22.94303 | 44.49865 | 10.91145 | 55.29855 |
| 7/23/2025 | 8:00:00 PM | 33.60057 | 59.54793 | 25.94736 | 21.78264 | 46.31375 | 12.71318 | 25.93682 | 47.53932 | 13.93875 | 25.41125 | 40.45059 | 6.85002 | 22.95998 | 44.50222 | 10.90165 | 55.30835 |
| 7/23/2025 | 9:00:00 PM | 33.60057 | 59.55507 | 25.9545 | 21.7755 | 46.3104 | 12.70983 | 25.94017 | 47.54289 | 13.94232 | 25.40768 | 40.45417 | 6.8536 | 22.9564 | 44.51651 | 10.91594 | 55.29406 |
| 7/23/2025 | 10:00:00 PM | 33.6106 | 59.56935 | 25.95875 | 21.77125 | 46.30033 | 12.68973 | 25.96027 | 47.55358 | 13.94298 | 25.40702 | 40.45775 | 6.84715 | 22.96285 | 44.52009 | 10.90949 | 55.30051 |
| 7/23/2025 | 11:00:00 PM | 33.62064 | 59.56578 | 25.94514 | 21.78486 | 46.30704 | 12.6864 | 25.9636 | 47.55002 | 13.92938 | 25.42062 | 40.45775 | 6.83711 | 22.97289 | 44.51294 | 10.8923 | 55.3177 |
| 7/24/2025 | 12:00:00 AM | 33.62064 | 59.57292 | 25.95228 | 21.77772 | 46.33052 | 12.70988 | 25.94012 | 47.55002 | 13.92938 | 25.42062 | 40.46133 | 6.84069 | 22.96931 | 44.51651 | 10.89587 | 55.31413 |
| 7/24/2025 | 1:00:00 AM | 33.63401 | 59.57649 | 25.94248 | 21.78752 | 46.34729 | 12.71328 | 25.93672 | 47.55715 | 13.92314 | 25.42686 | 40.46133 | 6.82732 | 22.98268 | 44.53438 | 10.90037 | 55.30963 |
| 7/24/2025 | 2:00:00 AM | 33.63067 | 59.58721 | 25.95654 | 21.77346 | 46.37747 | 12.7468 | 25.9032 | 47.55715 | 13.92648 | 25.42352 | 40.4649 | 6.83423 | 22.97577 | 44.52009 | 10.88942 | 55.32058 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/24/2025 | 3:00:00 AM | 33.63736 | 59.59792 | 25.96056 | 21.76944 | 46.40095 | 12.76359 | 25.88641 | 47.56428 | 13.92692 | 25.42308 | 40.47206 | 6.8347 | 22.9753 | 44.52724 | 10.88988 | 55.32012 |
| 7/24/2025 | 4:00:00 AM | 33.65408 | 59.60149 | 25.94741 | 21.78259 | 46.43449 | 12.78041 | 25.86959 | 47.57497 | 13.92089 | 25.42911 | 40.47564 | 6.82156 | 22.98844 | 44.52724 | 10.87316 | 55.33684 |
| 7/24/2025 | 5:00:00 AM | 33.65073 | 59.60506 | 25.95433 | 21.77567 | 46.44455 | 12.79382 | 25.85618 | 47.56784 | 13.91711 | 25.43289 | 40.48279 | 6.83206 | 22.97794 | 44.53796 | 10.88723 | 55.32277 |
| 7/24/2025 | 6:00:00 AM | 33.65408 | 59.60863 | 25.95455 | 21.77545 | 46.46467 | 12.81059 | 25.83941 | 47.5821 | 13.92802 | 25.42198 | 40.47564 | 6.82156 | 22.98844 | 44.52724 | 10.87316 | 55.33684 |
| 7/24/2025 | 7:00:00 AM | 33.66411 | 59.61577 | 25.95166 | 21.77834 | 46.49151 | 12.8274 | 25.8226 | 47.58567 | 13.92156 | 25.42844 | 40.48995 | 6.82584 | 22.98416 | 44.53438 | 10.87027 | 55.33973 |
| 7/24/2025 | 8:00:00 AM | 33.67414 | 59.63363 | 25.95949 | 21.77051 | 46.51498 | 12.84084 | 25.80916 | 47.5928 | 13.91866 | 25.43134 | 40.49353 | 6.81939 | 22.99061 | 44.54511 | 10.87097 | 55.33903 |
| 7/24/2025 | 9:00:00 AM | 33.68417 | 59.64077 | 25.9566 | 21.7734 | 46.53846 | 12.85429 | 25.79571 | 47.61419 | 13.93002 | 25.41998 | 40.50784 | 6.82367 | 22.98633 | 44.54511 | 10.86094 | 55.34906 |
| 7/24/2025 | 10:00:00 AM | 33.69086 | 59.64434 | 25.95348 | 21.77652 | 46.55858 | 12.86772 | 25.78228 | 47.62132 | 13.93046 | 25.41954 | 40.50784 | 6.81698 | 22.99302 | 44.55583 | 10.86497 | 55.34503 |
| 7/24/2025 | 11:00:00 AM | 33.68083 | 59.6372 | 25.95637 | 21.77363 | 46.55187 | 12.87104 | 25.77896 | 47.61419 | 13.93336 | 25.41664 | 40.4971 | 6.81627 | 22.99373 | 44.53796 | 10.85713 | 55.35287 |
| 7/24/2025 | 12:00:00 PM | 33.67414 | 59.63006 | 25.95592 | 21.77408 | 46.54181 | 12.86767 | 25.78233 | 47.60706 | 13.93292 | 25.41708 | 40.4971 | 6.82296 | 22.98704 | 44.52724 | 10.8531 | 55.3569 |
| 7/24/2025 | 1:00:00 PM | 33.67414 | 59.62291 | 25.94877 | 21.78123 | 46.52169 | 12.84755 | 25.80245 | 47.59993 | 13.92579 | 25.42421 | 40.49353 | 6.81939 | 22.99061 | 44.52366 | 10.84952 | 55.36048 |
| 7/24/2025 | 2:00:00 PM | 33.65073 | 59.60149 | 25.95076 | 21.77924 | 46.49151 | 12.84078 | 25.80922 | 47.5821 | 13.93137 | 25.41863 | 40.47921 | 6.82848 | 22.98152 | 44.50579 | 10.85506 | 55.35494 |
| 7/24/2025 | 3:00:00 PM | 33.63067 | 59.58721 | 25.95654 | 21.77346 | 46.44455 | 12.81388 | 25.83612 | 47.56784 | 13.93717 | 25.41283 | 40.47921 | 6.84854 | 22.96146 | 44.49865 | 10.86798 | 55.34202 |
| 7/24/2025 | 4:00:00 PM | 33.62398 | 59.57649 | 25.95251 | 21.77749 | 46.40766 | 12.78368 | 25.86632 | 47.55358 | 13.9296 | 25.4204 | 40.47564 | 6.85166 | 22.95834 | 44.49865 | 10.87467 | 55.33533 |
| 7/24/2025 | 5:00:00 PM | 33.6106 | 59.56221 | 25.95161 | 21.77839 | 46.37077 | 12.76017 | 25.88983 | 47.53576 | 13.92516 | 25.42484 | 40.46848 | 6.85788 | 22.95212 | 44.50222 | 10.89162 | 55.31838 |
| 7/24/2025 | 6:00:00 PM | 33.60057 | 59.54793 | 25.94736 | 21.78264 | 46.32046 | 12.71989 | 25.93011 | 47.51436 | 13.91379 | 25.43621 | 40.4649 | 6.86433 | 22.94567 | 44.49865 | 10.89808 | 55.31192 |
| 7/24/2025 | 7:00:00 PM | 33.59723 | 59.55507 | 25.95784 | 21.77216 | 46.29363 | 12.6964 | 25.9536 | 47.52862 | 13.93139 | 25.41861 | 40.46133 | 6.8641 | 22.9459 | 44.50579 | 10.90856 | 55.30144 |
| 7/24/2025 | 8:00:00 PM | 33.6106 | 59.55864 | 25.94804 | 21.78196 | 46.27015 | 12.65955 | 25.99045 | 47.52862 | 13.91802 | 25.43198 | 40.46133 | 6.85073 | 22.95927 | 44.51651 | 10.90591 | 55.30409 |
| 7/24/2025 | 9:00:00 PM | 33.60392 | 59.54793 | 25.94401 | 21.78599 | 46.26009 | 12.65617 | 25.99383 | 47.52149 | 13.91757 | 25.43243 | 40.45775 | 6.85383 | 22.95617 | 44.51294 | 10.90902 | 55.30098 |
| 7/24/2025 | 10:00:00 PM | 33.60726 | 59.54793 | 25.94067 | 21.78933 | 46.25673 | 12.64947 | 26.00053 | 47.52862 | 13.92136 | 25.42864 | 40.45417 | 6.84691 | 22.96309 | 44.52009 | 10.91283 | 55.29717 |
| 7/24/2025 | 11:00:00 PM | 33.62064 | 59.56935 | 25.94871 | 21.78129 | 46.2735 | 12.65286 | 25.99714 | 47.53219 | 13.91155 | 25.43845 | 40.46133 | 6.84069 | 22.96931 | 44.52366 | 10.90302 | 55.30698 |
| 7/25/2025 | 12:00:00 AM | 33.62732 | 59.57292 | 25.9456 | 21.7844 | 46.29027 | 12.66295 | 25.98705 | 47.53576 | 13.90844 | 25.44156 | 40.46133 | 6.83401 | 22.97599 | 44.53081 | 10.90349 | 55.30651 |
| 7/25/2025 | 1:00:00 AM | 33.63736 | 59.58721 | 25.94985 | 21.78015 | 46.3171 | 12.67974 | 25.97026 | 47.54289 | 13.90553 | 25.44447 | 40.46848 | 6.83112 | 22.97888 | 44.53796 | 10.9006 | 55.3094 |
| 7/25/2025 | 2:00:00 AM | 33.63067 | 59.58721 | 25.95654 | 21.77346 | 46.34393 | 12.71326 | 25.93674 | 47.53576 | 13.90509 | 25.44491 | 40.4649 | 6.83423 | 22.97577 | 44.53081 | 10.90014 | 55.30986 |
| 7/25/2025 | 3:00:00 AM | 33.63736 | 59.58363 | 25.94627 | 21.78373 | 46.35735 | 12.71999 | 25.93001 | 47.54645 | 13.90909 | 25.44091 | 40.46848 | 6.83112 | 22.97888 | 44.52724 | 10.88988 | 55.32012 |
| 7/25/2025 | 4:00:00 AM | 33.6407 | 59.59792 | 25.95722 | 21.77278 | 46.38753 | 12.74683 | 25.90317 | 47.53932 | 13.89862 | 25.45138 | 40.47206 | 6.83136 | 22.97864 | 44.52724 | 10.88654 | 55.32346 |
| 7/25/2025 | 5:00:00 AM | 33.64404 | 59.59435 | 25.95031 | 21.77969 | 46.4043 | 12.76026 | 25.88974 | 47.54289 | 13.89885 | 25.45115 | 40.4649 | 6.82086 | 22.98914 | 44.52366 | 10.87962 | 55.33038 |
| 7/25/2025 | 6:00:00 AM | 33.6407 | 59.59792 | 25.95722 | 21.77278 | 46.43114 | 12.79044 | 25.85956 | 47.54645 | 13.90575 | 25.44425 | 40.47206 | 6.83136 | 22.97864 | 44.53081 | 10.89011 | 55.31989 |
| 7/25/2025 | 7:00:00 AM | 33.65073 | 59.59792 | 25.94719 | 21.78281 | 46.4479 | 12.79717 | 25.85283 | 47.55715 | 13.90642 | 25.44358 | 40.47206 | 6.82133 | 22.98867 | 44.53081 | 10.88008 | 55.32992 |
| 7/25/2025 | 8:00:00 AM | 33.65408 | 59.61577 | 25.96169 | 21.76831 | 46.47138 | 12.8173 | 25.8327 | 47.56428 | 13.9102 | 25.4398 | 40.47564 | 6.82156 | 22.98844 | 44.53796 | 10.88388 | 55.32612 |
| 7/25/2025 | 9:00:00 AM | 33.65742 | 59.61577 | 25.95835 | 21.77165 | 46.49151 | 12.83409 | 25.81591 | 47.57497 | 13.91755 | 25.43245 | 40.48279 | 6.82537 | 22.98463 | 44.54153 | 10.88411 | 55.32589 |
| 7/25/2025 | 10:00:00 AM | 33.66745 | 59.62291 | 25.95546 | 21.77454 | 46.51163 | 12.84418 | 25.80582 | 47.57854 | 13.91109 | 25.43891 | 40.48279 | 6.81534 | 22.99466 | 44.55225 | 10.8848 | 55.3252 |
| 7/25/2025 | 11:00:00 AM | 33.6708 | 59.62649 | 25.95569 | 21.77431 | 46.5284 | 12.8576 | 25.7924 | 47.57854 | 13.90774 | 25.44226 | 40.48279 | 6.81199 | 22.99801 | 44.54511 | 10.87431 | 55.33569 |
| 7/25/2025 | 12:00:00 PM | 33.66076 | 59.6122 | 25.95144 | 21.77856 | 46.53175 | 12.87099 | 25.77901 | 47.5821 | 13.92134 | 25.42866 | 40.48279 | 6.82203 | 22.98797 | 44.53081 | 10.87005 | 55.33995 |
| 7/25/2025 | 1:00:00 PM | 33.65742 | 59.61577 | 25.95835 | 21.77165 | 46.54517 | 12.88775 | 25.76225 | 47.5821 | 13.92468 | 25.42532 | 40.47564 | 6.81822 | 22.99178 | 44.53081 | 10.87339 | 55.33661 |
| 7/25/2025 | 2:00:00 PM | 33.66076 | 59.62291 | 25.96215 | 21.76785 | 46.55523 | 12.89447 | 25.75553 | 47.57854 | 13.91778 | 25.43222 | 40.47921 | 6.81845 | 22.99155 | 44.53081 | 10.87005 | 55.33995 |
| 7/25/2025 | 3:00:00 PM | 33.65408 | 59.61934 | 25.96526 | 21.76474 | 46.55858 | 12.9045 | 25.7455 | 47.57497 | 13.92089 | 25.42911 | 40.47921 | 6.82513 | 22.98487 | 44.52366 | 10.86958 | 55.34042 |
| 7/25/2025 | 4:00:00 PM | 33.63067 | 59.59435 | 25.96368 | 21.76632 | 46.53846 | 12.90779 | 25.74221 | 47.55715 | 13.92648 | 25.42352 | 40.46133 | 6.83066 | 22.97934 | 44.50579 | 10.87512 | 55.33488 |
| 7/25/2025 | 5:00:00 PM | 33.60726 | 59.58006 | 25.9728 | 21.7572 | 46.51498 | 12.90772 | 25.74228 | 47.53932 | 13.93206 | 25.41794 | 40.44701 | 6.83975 | 22.97025 | 44.48078 | 10.87352 | 55.33648 |
| 7/25/2025 | 6:00:00 PM | 33.59054 | 59.56578 | 25.97524 | 21.75476 | 46.49821 | 12.90767 | 25.74233 | 47.52862 | 13.93808 | 25.41192 | 40.44344 | 6.8529 | 22.9571 | 44.48078 | 10.89024 | 55.31976 |
| 7/25/2025 | 7:00:00 PM | 33.57048 | 59.55507 | 25.98459 | 21.74541 | 46.47138 | 12.9009 | 25.7491 | 47.51436 | 13.94388 | 25.40612 | 40.4327 | 6.86222 | 22.94778 | 44.48078 | 10.9103 | 55.2997 |
| 7/25/2025 | 8:00:00 PM | 33.57382 | 59.55507 | 25.98125 | 21.74875 | 46.4479 | 12.87408 | 25.77592 | 47.50367 | 13.92985 | 25.42015 | 40.42197 | 6.84815 | 22.96185 | 44.48435 | 10.91053 | 55.29947 |
| 7/25/2025 | 9:00:00 PM | 33.56713 | 59.5515 | 25.98437 | 21.74563 | 46.43114 | 12.86401 | 25.78599 | 47.50723 | 13.9401 | 25.4099 | 40.42913 | 6.862 | 22.948 | 44.49507 | 10.92794 | 55.28206 |
| 7/25/2025 | 10:00:00 PM | 33.57716 | 59.55507 | 25.97791 | 21.75209 | 46.42443 | 12.84727 | 25.80273 | 47.51436 | 13.9372 | 25.4128 | 40.42555 | 6.84839 | 22.96161 | 44.50937 | 10.93221 | 55.27779 |
| 7/25/2025 | 11:00:00 PM | 33.58051 | 59.54793 | 25.96742 | 21.76258 | 46.42443 | 12.84392 | 25.80608 | 47.5108 | 13.93029 | 25.41971 | 40.41839 | 6.83788 | 22.97212 | 44.50937 | 10.92886 | 55.28114 |
| 7/26/2025 | 12:00:00 AM | 33.57382 | 59.5515 | 25.97768 | 21.75232 | 46.41437 | 12.84055 | 25.80945 | 47.49297 | 13.91915 | 25.43085 | 40.41839 | 6.84457 | 22.96543 | 44.49865 | 10.92483 | 55.28517 |
| 7/26/2025 | 1:00:00 AM | 33.57716 | 59.5515 | 25.97434 | 21.75566 | 46.4412 | 12.86404 | 25.78596 | 47.50367 | 13.92651 | 25.42349 | 40.41481 | 6.83765 | 22.97235 | 44.50222 | 10.92506 | 55.28494 |
| 7/26/2025 | 2:00:00 AM | 33.58385 | 59.55507 | 25.97122 | 21.75878 | 46.4412 | 12.85735 | 25.79265 | 47.50367 | 13.91982 | 25.43018 | 40.41124 | 6.82739 | 22.98261 | 44.50579 | 10.92194 | 55.28806 |
| 7/26/2025 | 3:00:00 AM | 33.57716 | 59.5515 | 25.97434 | 21.75566 | 46.45461 | 12.87745 | 25.77255 | 47.48941 | 13.91225 | 25.43775 | 40.41124 | 6.83408 | 22.97592 | 44.50222 | 10.92506 | 55.28494 |
| 7/26/2025 | 4:00:00 AM | 33.5571 | 59.54078 | 25.98368 | 21.74632 | 46.45797 | 12.90087 | 25.74913 | 47.49297 | 13.93587 | 25.41413 | 40.4005 | 6.8434 | 22.9666 | 44.4915 | 10.9344 | 55.2756 |
| 7/26/2025 | 5:00:00 AM | 33.56379 | 59.55507 | 25.99128 | 21.73872 | 46.47809 | 12.9143 | 25.7357 | 47.49654 | 13.93275 | 25.41725 | 40.40408 | 6.84029 | 22.96971 | 44.4915 | 10.92771 | 55.28229 |
| 7/26/2025 | 6:00:00 AM | 33.57048 | 59.55864 | 25.98816 | 21.74184 | 46.49486 | 12.92438 | 25.72562 | 47.5001 | 13.92962 | 25.42038 | 40.40766 | 6.83718 | 22.97282 | 44.49865 | 10.92817 | 55.28183 |
| 7/26/2025 | 7:00:00 AM | 33.58051 | 59.56221 | 25.9817 | 21.7483 | 46.51834 | 12.93783 | 25.71217 | 47.51436 | 13.93385 | 25.41615 | 40.40766 | 6.82715 | 22.98285 | 44.50579 | 10.92528 | 55.28472 |
| 7/26/2025 | 8:00:00 AM | 33.5872 | 59.57292 | 25.98572 | 21.74428 | 46.53175 | 12.94455 | 25.70545 | 47.52506 | 13.93786 | 25.41214 | 40.41481 | 6.82761 | 22.98239 | 44.50937 | 10.92217 | 55.28783 |
| 7/26/2025 | 9:00:00 AM | 33.60057 | 59.57649 | 25.97592 | 21.75408 | 46.54852 | 12.94795 | 25.70205 | 47.53219 | 13.93162 | 25.41838 | 40.41839 | 6.81782 | 22.99218 | 44.51651 | 10.91594 | 55.29406 |
| 7/26/2025 | 10:00:00 AM | 33.59723 | 59.58006 | 25.98283 | 21.74717 | 46.55858 | 12.96135 | 25.68865 | 47.53219 | 13.93496 | 25.41504 | 40.41481 | 6.81758 | 22.99242 | 44.51294 | 10.91571 | 55.29429 |
| 7/26/2025 | 11:00:00 AM | 33.60392 | 59.58721 | 25.98329 | 21.74671 | 46.56529 | 12.96137 | 25.68863 | 47.53932 | 13.9354 | 25.4146 | 40.41839 | 6.81447 | 22.99553 | 44.50937 | 10.90545 | 55.30455 |
| 7/26/2025 | 12:00:00 PM | 33.60392 | 59.57649 | 25.97257 | 21.75743 | 46.56194 | 12.95802 | 25.69198 | 47.53932 | 13.9354 | 25.4146 | 40.41839 | 6.81447 | 22.99553 | 44.50937 | 10.90545 | 55.30455 |
| 7/26/2025 | 1:00:00 PM | 33.60057 | 59.57292 | 25.97235 | 21.75765 | 46.54852 | 12.94795 | 25.70205 | 47.53219 | 13.93162 | 25.41838 | 40.41481 | 6.81424 | 22.99576 | 44.49507 | 10.8945 | 55.3155 |
| 7/26/2025 | 2:00:00 PM | 33.58385 | 59.55864 | 25.97479 | 21.75521 | 46.52504 | 12.94119 | 25.70881 | 47.52149 | 13.93764 | 25.41236 | 40.40408 | 6.82023 | 22.98977 | 44.48792 | 10.90407 | 55.30593 |
| 7/26/2025 | 3:00:00 PM | 33.57382 | 59.54078 | 25.96696 | 21.76304 | 46.47809 | 12.90427 | 25.74573 | 47.5108 | 13.93698 | 25.41302 | 40.39692 | 6.8231 | 22.9869 | 44.47363 | 10.89981 | 55.31019 |
| 7/26/2025 | 4:00:00 PM | 33.56044 | 59.5265 | 25.96606 | 21.76394 | 46.43784 | 12.8774 | 25.7726 | 47.48584 | 13.9254 | 25.4246 | 40.39335 | 6.83291 | 22.97709 | 44.46648 | 10.90604 | 55.30396 |
| 7/26/2025 | 5:00:00 PM | 33.56379 | 59.5265 | 25.96271 | 21.76729 | 46.40766 | 12.84387 | 25.80613 | 47.48584 | 13.92205 | 25.42795 | 40.39335 | 6.82956 | 22.98044 | 44.47363 | 10.90984 | 55.30016 |
| 7/26/2025 | 6:00:00 PM | 33.55376 | 59.50508 | 25.95132 | 21.77868 | 46.37412 | 12.82036 | 25.82964 | 47.48228 | 13.92852 | 25.42148 | 40.38619 | 6.83243 | 22.97757 | 44.47005 | 10.91629 | 55.29371 |
| 7/26/2025 | 7:00:00 PM | 33.5571 | 59.51936 | 25.96226 | 21.76774 | 46.354 | 12.7969 | 25.8531 | 47.47515 | 13.91805 | 25.43195 | 40.38977 | 6.83267 | 22.97733 | 44.48078 | 10.92368 | 55.28632 |
| 7/26/2025 | 8:00:00 PM | 33.56713 | 59.51579 | 25.94866 | 21.78134 | 46.33387 | 12.76674 | 25.88326 | 47.48584 | 13.91871 | 25.43129 | 40.38619 | 6.81906 | 22.99094 | 44.49507 | 10.92794 | 55.28206 |
| 7/26/2025 | 9:00:00 PM | 33.58385 | 59.53364 | 25.94979 | 21.78021 | 46.32716 | 12.74331 | 25.90669 | 47.49297 | 13.90912 | 25.44088 | 40.40408 | 6.82023 | 22.98977 | 44.50579 | 10.92194 | 55.28806 |
| 7/26/2025 | 10:00:00 PM | 33.59388 | 59.54436 | 25.95048 | 21.77952 | 46.32716 | 12.73328 | 25.91672 | 47.5001 | 13.90622 | 25.44378 | 40.40766 | 6.81378 | 22.99622 | 44.51294 | 10.91906 | 55.29094 |
| 7/26/2025 | 11:00:00 PM | 33.60057 | 59.54078 | 25.94021 | 21.78979 | 46.33387 | 12.7333 | 25.9167 | 47.50723 | 13.90666 | 25.44334 | 40.40408 | 6.80351 | 23.00649 | 44.51651 | 10.91594 | 55.29406 |
| 7/27/2025 | 12:00:00 AM | 33.6106 | 59.5515 | 25.9409 | 21.7891 | 46.354 | 12.7434 | 25.9066 | 47.50367 | 13.89307 | 25.45693 | 40.41124 | 6.80064 | 23.00936 | 44.51294 | 10.90234 | 55.30766 |
| 7/27/2025 | 1:00:00 AM | 33.61395 | 59.5515 | 25.93755 | 21.79245 | 46.37077 | 12.75682 | 25.89318 | 47.50723 | 13.89328 | 25.45672 | 40.41124 | 6.79729 | 23.01271 | 44.50937 | 10.89542 | 55.31458 |
| 7/27/2025 | 2:00:00 AM | 33.60726 | 59.55507 | 25.94781 | 21.78219 | 46.37747 | 12.77021 | 25.87979 | 47.5001 | 13.89284 | 25.45716 | 40.40766 | 6.8004 | 23.0096 | 44.50579 | 10.89853 | 55.31147 |
| 7/27/2025 | 3:00:00 AM | 33.61395 | 59.56221 | 25.94826 | 21.78174 | 46.40095 | 12.787 | 25.863 | 47.50723 | 13.89328 | 25.45672 | 40.41481 | 6.80086 | 23.00914 | 44.50579 | 10.89184 | 55.31816 |
| 7/27/2025 | 4:00:00 AM | 33.62064 | 59.56578 | 25.94514 | 21.78486 | 46.42443 | 12.80379 | 25.84621 | 47.5108 | 13.89016 | 25.45984 | 40.41839 | 6.79775 | 23.01225 | 44.50937 | 10.88873 | 55.32127 |
| 7/27/2025 | 5:00:00 AM | 33.62398 | 59.57292 | 25.94894 | 21.78106 | 46.45126 | 12.82728 | 25.82272 | 47.51793 | 13.89395 | 25.45605 | 40.41839 | 6.79441 | 23.01559 | 44.50937 | 10.88539 | 55.32461 |
| 7/27/2025 | 6:00:00 AM | 33.63401 | 59.58006 | 25.94605 | 21.78395 | 46.46803 | 12.83402 | 25.81598 | 47.52506 | 13.89105 | 25.45895 | 40.42913 | 6.79512 | 23.01488 | 44.51651 | 10.8825 | 55.3275 |
| 7/27/2025 | 7:00:00 AM | 33.63736 | 59.58363 | 25.94627 | 21.78373 | 46.4848 | 12.84744 | 25.80256 | 47.52862 | 13.89126 | 25.45874 | 40.42913 | 6.79177 | 23.01823 | 44.52366 | 10.8863 | 55.3237 |
| 7/27/2025 | 8:00:00 AM | 33.65408 | 59.60149 | 25.94741 | 21.78259 | 46.52504 | 12.87096 | 25.77904 | 47.55002 | 13.89594 | 25.45406 | 40.44344 | 6.78936 | 23.02064 | 44.53796 | 10.88388 | 55.32612 |
| 7/27/2025 | 9:00:00 AM | 33.65742 | 59.59435 | 25.93693 | 21.79307 | 46.53846 | 12.88104 | 25.76896 | 47.55715 | 13.89973 | 25.45027 | 40.44701 | 6.78959 | 23.02041 | 44.53081 | 10.87339 | 55.33661 |
| 7/27/2025 | 10:00:00 AM | 33.65742 | 59.60149 | 25.94407 | 21.78593 | 46.54181 | 12.88439 | 25.76561 | 47.55002 | 13.8926 | 25.4574 | 40.43986 | 6.78244 | 23.02756 | 44.51651 | 10.85909 | 55.35091 |
| 7/27/2025 | 11:00:00 AM | 33.65073 | 59.60149 | 25.95076 | 21.77924 | 46.54517 | 12.89444 | 25.75556 | 47.55002 | 13.89929 | 25.45071 | 40.43986 | 6.78913 | 23.02087 | 44.52366 | 10.87293 | 55.33707 |
| 7/27/2025 | 12:00:00 PM | 33.63401 | 59.58006 | 25.94605 | 21.78395 | 46.53175 | 12.89774 | 25.75226 | 47.54289 | 13.90888 | 25.44112 | 40.43628 | 6.80227 | 23.00773 | 44.50222 | 10.86821 | 55.34179 |
| 7/27/2025 | 1:00:00 PM | 33.62732 | 59.59078 | 25.96346 | 21.76654 | 46.50827 | 12.88095 | 25.76905 | 47.53576 | 13.90844 | 25.44156 | 40.4327 | 6.80538 | 23.00462 | 44.49865 | 10.87133 | 55.33867 |
| 7/27/2025 | 2:00:00 PM | 33.63401 | 59.58006 | 25.94605 | 21.78395 | 46.49821 | 12.8642 | 25.7858 | 47.53932 | 13.90531 | 25.44469 | 40.44344 | 6.80943 | 23.00057 | 44.50579 | 10.87178 | 55.33822 |
| 7/27/2025 | 3:00:00 PM | 33.62732 | 59.56578 | 25.93846 | 21.79154 | 46.46467 | 12.83735 | 25.81265 | 47.53219 | 13.90487 | 25.44513 | 40.42555 | 6.79823 | 23.01177 | 44.4915 | 10.86418 | 55.34582 |
| 7/27/2025 | 4:00:00 PM | 33.62064 | 59.56578 | 25.94514 | 21.78486 | 46.42443 | 12.80379 | 25.84621 | 47.52149 | 13.90085 | 25.44915 | 40.42555 | 6.80491 | 23.00509 | 44.4915 | 10.87086 | 55.33914 |
| 7/27/2025 | 5:00:00 PM | 33.62064 | 59.55507 | 25.93443 | 21.79557 | 46.3976 | 12.77696 | 25.87304 | 47.50723 | 13.88659 | 25.46341 | 40.42913 | 6.80849 | 23.00151 | 44.49507 | 10.87443 | 55.33557 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/27/2025 | 6:00:00 PM | 33.6106 | 59.55507 | 25.94447 | 21.78553 | 46.35735 | 12.74675 | 25.90325 | 47.50367 | 13.89307 | 25.45693 | 40.41839 | 6.80779 | 23.00221 | 44.49865 | 10.88805 | 55.32195 |
| 7/27/2025 | 7:00:00 PM | 33.62064 | 59.5515 | 25.93086 | 21.79914 | 46.34058 | 12.71994 | 25.93006 | 47.5001 | 13.87946 | 25.47054 | 40.42555 | 6.80491 | 23.00509 | 44.51294 | 10.8923 | 55.3177 |
| 7/27/2025 | 8:00:00 PM | 33.6407 | 59.56578 | 25.92508 | 21.80492 | 46.32716 | 12.68646 | 25.96354 | 47.52149 | 13.88079 | 25.46921 | 40.4327 | 6.792 | 23.018 | 44.51651 | 10.87581 | 55.33419 |
| 7/27/2025 | 9:00:00 PM | 33.66076 | 59.58363 | 25.92287 | 21.80713 | 46.33387 | 12.67311 | 25.97689 | 47.52862 | 13.86786 | 25.48214 | 40.45059 | 6.78983 | 23.02017 | 44.54511 | 10.88435 | 55.32565 |
| 7/27/2025 | 10:00:00 PM | 33.67414 | 59.59078 | 25.91664 | 21.81336 | 46.33723 | 12.66309 | 25.98691 | 47.54645 | 13.87231 | 25.47769 | 40.45417 | 6.78003 | 23.02997 | 44.54868 | 10.87454 | 55.33546 |
| 7/27/2025 | 11:00:00 PM | 33.68083 | 59.59435 | 25.91352 | 21.81648 | 46.35064 | 12.66981 | 25.98019 | 47.54289 | 13.86206 | 25.48794 | 40.45417 | 6.77334 | 23.03666 | 44.54868 | 10.86785 | 55.34215 |
| 7/28/2025 | 12:00:00 AM | 33.69755 | 59.61577 | 25.91822 | 21.81178 | 46.37077 | 12.67322 | 25.97678 | 47.55715 | 13.8596 | 25.4904 | 40.46848 | 6.77093 | 23.03907 | 44.54511 | 10.84756 | 55.36244 |
| 7/28/2025 | 1:00:00 AM | 33.70424 | 59.61934 | 25.9151 | 21.8149 | 46.40095 | 12.69671 | 25.95329 | 47.56784 | 13.8636 | 25.4864 | 40.47564 | 6.7714 | 23.0386 | 44.55583 | 10.85159 | 55.35841 |
| 7/28/2025 | 2:00:00 AM | 33.72096 | 59.6372 | 25.91624 | 21.81376 | 46.43114 | 12.71018 | 25.93982 | 47.57854 | 13.85758 | 25.49242 | 40.48637 | 6.76541 | 23.04459 | 44.56298 | 10.84202 | 55.36798 |
| 7/28/2025 | 3:00:00 AM | 33.73433 | 59.64791 | 25.91358 | 21.81642 | 46.46467 | 12.73034 | 25.91966 | 47.58923 | 13.8549 | 25.4951 | 40.49353 | 6.7592 | 23.0508 | 44.56655 | 10.83222 | 55.37778 |
| 7/28/2025 | 4:00:00 AM | 33.74436 | 59.65862 | 25.91426 | 21.81574 | 46.49151 | 12.74715 | 25.90285 | 47.58923 | 13.84487 | 25.50513 | 40.4971 | 6.75274 | 23.05726 | 44.57012 | 10.82576 | 55.38424 |
| 7/28/2025 | 5:00:00 AM | 33.7544 | 59.65505 | 25.90065 | 21.82935 | 46.51498 | 12.76058 | 25.88942 | 47.61063 | 13.85623 | 25.49377 | 40.50426 | 6.74986 | 23.06014 | 44.5737 | 10.8193 | 55.3907 |
| 7/28/2025 | 6:00:00 AM | 33.75105 | 59.66219 | 25.91114 | 21.81886 | 46.53511 | 12.78406 | 25.86594 | 47.61776 | 13.86671 | 25.48329 | 40.51499 | 6.76394 | 23.04606 | 44.57012 | 10.81907 | 55.39093 |
| 7/28/2025 | 7:00:00 AM | 33.77112 | 59.69076 | 25.91964 | 21.81036 | 46.572 | 12.80088 | 25.84912 | 47.62845 | 13.85733 | 25.49267 | 40.5293 | 6.75818 | 23.05182 | 44.58799 | 10.81687 | 55.39313 |
| 7/28/2025 | 8:00:00 AM | 33.78115 | 59.70147 | 25.92032 | 21.80968 | 46.59883 | 12.81768 | 25.83232 | 47.64628 | 13.86513 | 25.48487 | 40.53646 | 6.75531 | 23.05469 | 44.58799 | 10.80684 | 55.40316 |
| 7/28/2025 | 9:00:00 AM | 33.78784 | 59.70862 | 25.92078 | 21.80922 | 46.6156 | 12.82776 | 25.82224 | 47.64271 | 13.85487 | 25.49513 | 40.54004 | 6.7522 | 23.0578 | 44.59514 | 10.8073 | 55.4027 |
| 7/28/2025 | 10:00:00 AM | 33.7778 | 59.6979 | 25.9201 | 21.8099 | 46.6156 | 12.8378 | 25.8122 | 47.63915 | 13.86135 | 25.48865 | 40.53288 | 6.75508 | 23.05492 | 44.58084 | 10.80304 | 55.40696 |
| 7/28/2025 | 11:00:00 AM | 33.7778 | 59.70147 | 25.92367 | 21.80633 | 46.62566 | 12.84786 | 25.80214 | 47.64628 | 13.86848 | 25.48152 | 40.53288 | 6.75508 | 23.05492 | 44.58084 | 10.80304 | 55.40696 |
| 7/28/2025 | 12:00:00 PM | 33.76777 | 59.69433 | 25.92656 | 21.80344 | 46.60554 | 12.83777 | 25.81223 | 47.64271 | 13.87494 | 25.47506 | 40.54004 | 6.77227 | 23.03773 | 44.58084 | 10.81307 | 55.39693 |
| 7/28/2025 | 1:00:00 PM | 33.75774 | 59.68362 | 25.92588 | 21.80412 | 46.59212 | 12.83438 | 25.81562 | 47.63915 | 13.88141 | 25.46859 | 40.53288 | 6.77514 | 23.03486 | 44.5737 | 10.81596 | 55.39404 |
| 7/28/2025 | 2:00:00 PM | 33.76108 | 59.67648 | 25.9154 | 21.8146 | 46.56529 | 12.80421 | 25.84579 | 47.63558 | 13.8745 | 25.4755 | 40.53646 | 6.77538 | 23.03462 | 44.5737 | 10.81262 | 55.39738 |
| 7/28/2025 | 3:00:00 PM | 33.75774 | 59.66934 | 25.9116 | 21.8184 | 46.53175 | 12.77401 | 25.87599 | 47.62845 | 13.87071 | 25.47929 | 40.53288 | 6.77514 | 23.03486 | 44.56655 | 10.80881 | 55.40119 |
| 7/28/2025 | 4:00:00 PM | 33.74436 | 59.65862 | 25.91426 | 21.81574 | 46.49486 | 12.7505 | 25.8995 | 47.60706 | 13.8627 | 25.4873 | 40.5293 | 6.78494 | 23.02506 | 44.5594 | 10.81504 | 55.39496 |
| 7/28/2025 | 5:00:00 PM | 33.74436 | 59.64791 | 25.90355 | 21.82645 | 46.45797 | 12.71361 | 25.93639 | 47.59636 | 13.852 | 25.498 | 40.52215 | 6.77779 | 23.03221 | 44.5594 | 10.81504 | 55.39496 |
| 7/28/2025 | 6:00:00 PM | 33.72764 | 59.64077 | 25.91313 | 21.81687 | 46.41772 | 12.69008 | 25.95992 | 47.5928 | 13.86516 | 25.48484 | 40.52215 | 6.79451 | 23.01549 | 44.56298 | 10.83534 | 55.37466 |
| 7/28/2025 | 7:00:00 PM | 33.73433 | 59.64791 | 25.91358 | 21.81642 | 46.38753 | 12.6532 | 25.9968 | 47.58923 | 13.8549 | 25.4951 | 40.52215 | 6.78782 | 23.02218 | 44.5737 | 10.83937 | 55.37063 |
| 7/28/2025 | 8:00:00 PM | 33.73433 | 59.65505 | 25.92072 | 21.80928 | 46.36741 | 12.63308 | 26.01692 | 47.5928 | 13.85847 | 25.49153 | 40.52573 | 6.7914 | 23.0186 | 44.5737 | 10.83937 | 55.37063 |
| 7/28/2025 | 9:00:00 PM | 33.7544 | 59.65148 | 25.89708 | 21.83292 | 46.36406 | 12.60966 | 26.04034 | 47.59636 | 13.84196 | 25.50804 | 40.53288 | 6.77848 | 23.03152 | 44.59514 | 10.84074 | 55.36926 |
| 7/28/2025 | 10:00:00 PM | 33.76777 | 59.66576 | 25.89799 | 21.83201 | 46.37077 | 12.603 | 26.047 | 47.61419 | 13.84642 | 25.50358 | 40.54361 | 6.77584 | 23.03416 | 44.60586 | 10.83809 | 55.37191 |
| 7/28/2025 | 11:00:00 PM | 33.76777 | 59.67291 | 25.90514 | 21.82486 | 46.39089 | 12.62312 | 26.02688 | 47.61419 | 13.84642 | 25.50358 | 40.53646 | 6.76869 | 23.04131 | 44.60586 | 10.83809 | 55.37191 |
| 7/29/2025 | 12:00:00 AM | 33.78115 | 59.68362 | 25.90247 | 21.82753 | 46.40766 | 12.62651 | 26.02349 | 47.61419 | 13.83304 | 25.51696 | 40.53646 | 6.75531 | 23.05469 | 44.62016 | 10.83901 | 55.37099 |
| 7/29/2025 | 1:00:00 AM | 33.78784 | 59.69433 | 25.90649 | 21.82351 | 46.42443 | 12.63659 | 26.01341 | 47.62489 | 13.83705 | 25.51295 | 40.55435 | 6.76651 | 23.04349 | 44.60586 | 10.81802 | 55.39198 |
| 7/29/2025 | 2:00:00 AM | 33.79118 | 59.70147 | 25.91029 | 21.81971 | 46.45126 | 12.66008 | 25.98992 | 47.62845 | 13.83727 | 25.51273 | 40.55435 | 6.76317 | 23.04683 | 44.61658 | 10.8254 | 55.3846 |
| 7/29/2025 | 3:00:00 AM | 33.81124 | 59.70862 | 25.89738 | 21.83262 | 46.4848 | 12.67356 | 25.97644 | 47.63558 | 13.82434 | 25.52566 | 40.56508 | 6.75384 | 23.05616 | 44.63088 | 10.81964 | 55.39036 |
| 7/29/2025 | 4:00:00 AM | 33.81124 | 59.71219 | 25.90095 | 21.82905 | 46.50827 | 12.69703 | 25.95297 | 47.64628 | 13.83504 | 25.51496 | 40.56508 | 6.75384 | 23.05616 | 44.62373 | 10.81249 | 55.39751 |
| 7/29/2025 | 5:00:00 AM | 33.81124 | 59.71576 | 25.90452 | 21.82548 | 46.5284 | 12.71716 | 25.93284 | 47.64984 | 13.8386 | 25.5114 | 40.57224 | 6.761 | 23.049 | 44.61301 | 10.80177 | 55.40823 |
| 7/29/2025 | 6:00:00 AM | 33.82796 | 59.73361 | 25.90565 | 21.82435 | 46.55523 | 12.72727 | 25.92273 | 47.66054 | 13.83258 | 25.51742 | 40.57939 | 6.75143 | 23.05857 | 44.63445 | 10.80649 | 55.40351 |
| 7/29/2025 | 7:00:00 AM | 33.83465 | 59.74075 | 25.9061 | 21.8239 | 46.58206 | 12.74741 | 25.90259 | 47.66767 | 13.83302 | 25.51698 | 40.57939 | 6.74474 | 23.06526 | 44.6416 | 10.80695 | 55.40305 |
| 7/29/2025 | 8:00:00 AM | 33.83131 | 59.7479 | 25.91659 | 21.81341 | 46.60218 | 12.77087 | 25.87913 | 47.67124 | 13.83993 | 25.51007 | 40.58297 | 6.75166 | 23.05834 | 44.6416 | 10.81029 | 55.39971 |
| 7/29/2025 | 9:00:00 AM | 33.82796 | 59.74075 | 25.91279 | 21.81721 | 46.61224 | 12.78428 | 25.86572 | 47.67124 | 13.84328 | 25.50672 | 40.58297 | 6.75501 | 23.05499 | 44.63088 | 10.80292 | 55.40708 |
| 7/29/2025 | 10:00:00 AM | 33.81793 | 59.73718 | 25.91925 | 21.81075 | 46.60889 | 12.79096 | 25.85904 | 47.66411 | 13.84618 | 25.50382 | 40.57939 | 6.76146 | 23.04854 | 44.61658 | 10.79865 | 55.41135 |
| 7/29/2025 | 11:00:00 AM | 33.80456 | 59.73004 | 25.92548 | 21.80452 | 46.61224 | 12.80768 | 25.84232 | 47.64984 | 13.84528 | 25.50472 | 40.57224 | 6.76768 | 23.04232 | 44.61301 | 10.80845 | 55.40155 |
| 7/29/2025 | 12:00:00 PM | 33.78784 | 59.71576 | 25.92792 | 21.80208 | 46.58206 | 12.79422 | 25.85578 | 47.63202 | 13.84418 | 25.50582 | 40.56866 | 6.78082 | 23.02918 | 44.60586 | 10.81802 | 55.39198 |
| 7/29/2025 | 1:00:00 PM | 33.7778 | 59.6979 | 25.9201 | 21.8099 | 46.56194 | 12.78414 | 25.86586 | 47.62132 | 13.84352 | 25.50648 | 40.55793 | 6.78013 | 23.02987 | 44.59871 | 10.82091 | 55.38909 |
| 7/29/2025 | 2:00:00 PM | 33.76108 | 59.68719 | 25.92611 | 21.80389 | 46.52169 | 12.76061 | 25.88939 | 47.60706 | 13.84598 | 25.50402 | 40.54719 | 6.78611 | 23.02389 | 44.59514 | 10.83406 | 55.37594 |
| 7/29/2025 | 3:00:00 PM | 33.74436 | 59.66934 | 25.92498 | 21.80502 | 46.47809 | 12.73373 | 25.91627 | 47.59993 | 13.85557 | 25.49443 | 40.54004 | 6.79568 | 23.01432 | 44.57727 | 10.83291 | 55.37709 |
| 7/29/2025 | 4:00:00 PM | 33.7243 | 59.64434 | 25.92004 | 21.80996 | 46.43114 | 12.70684 | 25.94316 | 47.57854 | 13.85424 | 25.49576 | 40.52215 | 6.79785 | 23.01215 | 44.57727 | 10.85297 | 55.35703 |
| 7/29/2025 | 5:00:00 PM | 33.71092 | 59.64434 | 25.93342 | 21.79658 | 46.38753 | 12.67661 | 25.97339 | 47.56071 | 13.84979 | 25.50021 | 40.51857 | 6.80765 | 23.00235 | 44.57727 | 10.86635 | 55.34365 |
| 7/29/2025 | 6:00:00 PM | 33.70089 | 59.62291 | 25.92202 | 21.80798 | 46.34729 | 12.6464 | 26.0036 | 47.54289 | 13.842 | 25.508 | 40.50784 | 6.80695 | 23.00305 | 44.5737 | 10.87281 | 55.33719 |
| 7/29/2025 | 7:00:00 PM | 33.70758 | 59.63363 | 25.92605 | 21.80395 | 46.31375 | 12.60617 | 26.04383 | 47.53932 | 13.83174 | 25.51826 | 40.51141 | 6.80383 | 23.00617 | 44.58084 | 10.87326 | 55.33674 |
| 7/29/2025 | 8:00:00 PM | 33.70758 | 59.62291 | 25.91533 | 21.81467 | 46.29363 | 12.58605 | 26.06395 | 47.54289 | 13.83531 | 25.51469 | 40.51141 | 6.80383 | 23.00617 | 44.58442 | 10.87684 | 55.33316 |
| 7/29/2025 | 9:00:00 PM | 33.71761 | 59.63006 | 25.91245 | 21.81755 | 46.28356 | 12.56595 | 26.08405 | 47.53932 | 13.82171 | 25.52829 | 40.50784 | 6.79023 | 23.01977 | 44.59871 | 10.8811 | 55.3289 |
| 7/29/2025 | 10:00:00 PM | 33.72096 | 59.63363 | 25.91267 | 21.81733 | 46.28692 | 12.56596 | 26.08404 | 47.54645 | 13.82549 | 25.52451 | 40.50784 | 6.78688 | 23.02312 | 44.60229 | 10.88133 | 55.32867 |
| 7/29/2025 | 11:00:00 PM | 33.73768 | 59.65148 | 25.9138 | 21.8162 | 46.30369 | 12.56601 | 26.08399 | 47.55002 | 13.81234 | 25.53766 | 40.51499 | 6.77731 | 23.03269 | 44.61301 | 10.87533 | 55.33467 |
| 7/30/2025 | 12:00:00 AM | 33.73768 | 59.65505 | 25.91737 | 21.81263 | 46.3171 | 12.57942 | 26.07058 | 47.55358 | 13.8159 | 25.5341 | 40.50426 | 6.76658 | 23.04342 | 44.60944 | 10.87176 | 55.33824 |
| 7/30/2025 | 1:00:00 AM | 33.73768 | 59.65505 | 25.91737 | 21.81263 | 46.34393 | 12.60625 | 26.04375 | 47.55002 | 13.81234 | 25.53766 | 40.51141 | 6.77373 | 23.03627 | 44.61301 | 10.87533 | 55.33467 |
| 7/30/2025 | 2:00:00 AM | 33.73099 | 59.64434 | 25.91335 | 21.81665 | 46.34058 | 12.60959 | 26.04041 | 47.53219 | 13.8012 | 25.5488 | 40.49353 | 6.76254 | 23.04746 | 44.59157 | 10.86058 | 55.34942 |
| 7/30/2025 | 3:00:00 AM | 33.73099 | 59.65148 | 25.92049 | 21.80951 | 46.37412 | 12.64313 | 26.00687 | 47.55358 | 13.82259 | 25.52741 | 40.50784 | 6.77685 | 23.03315 | 44.59157 | 10.86058 | 55.34942 |
| 7/30/2025 | 4:00:00 AM | 33.72764 | 59.65505 | 25.92741 | 21.80259 | 46.39424 | 12.6666 | 25.9834 | 47.54645 | 13.81881 | 25.53119 | 40.50426 | 6.77662 | 23.03338 | 44.59871 | 10.87107 | 55.33893 |
| 7/30/2025 | 5:00:00 AM | 33.73768 | 59.66219 | 25.92451 | 21.80549 | 46.42107 | 12.68339 | 25.96661 | 47.55358 | 13.8159 | 25.5341 | 40.50784 | 6.77016 | 23.03984 | 44.60229 | 10.86461 | 55.34539 |
| 7/30/2025 | 6:00:00 AM | 33.74102 | 59.65505 | 25.91403 | 21.81597 | 46.43784 | 12.69682 | 25.95318 | 47.55715 | 13.81613 | 25.53387 | 40.50426 | 6.76324 | 23.04676 | 44.60944 | 10.86842 | 55.34158 |
| 7/30/2025 | 7:00:00 AM | 33.73433 | 59.66219 | 25.92786 | 21.80214 | 46.46132 | 12.72699 | 25.92301 | 47.55358 | 13.81925 | 25.53075 | 40.50068 | 6.76635 | 23.04365 | 44.59871 | 10.86438 | 55.34562 |
| 7/30/2025 | 8:00:00 AM | 33.74436 | 59.66576 | 25.9214 | 21.8086 | 46.48144 | 12.73708 | 25.91292 | 47.56071 | 13.81635 | 25.53365 | 40.50426 | 6.7599 | 23.0501 | 44.60586 | 10.8615 | 55.3485 |
| 7/30/2025 | 9:00:00 AM | 33.73768 | 59.68362 | 25.94594 | 21.78406 | 46.49821 | 12.76053 | 25.88947 | 47.56784 | 13.83016 | 25.51984 | 40.51141 | 6.77373 | 23.03627 | 44.60944 | 10.87176 | 55.33824 |
| 7/30/2025 | 10:00:00 AM | 33.73099 | 59.65862 | 25.92763 | 21.80237 | 46.50157 | 12.77058 | 25.87942 | 47.56071 | 13.82972 | 25.52028 | 40.4971 | 6.76611 | 23.04389 | 44.59514 | 10.86415 | 55.34585 |
| 7/30/2025 | 11:00:00 AM | 33.71092 | 59.64434 | 25.93342 | 21.79658 | 46.49151 | 12.78059 | 25.86941 | 47.53932 | 13.8284 | 25.5216 | 40.48637 | 6.77545 | 23.03455 | 44.57727 | 10.86635 | 55.34365 |
| 7/30/2025 | 12:00:00 PM | 33.70424 | 59.6372 | 25.93296 | 21.79704 | 46.46803 | 12.76379 | 25.88621 | 47.53576 | 13.83152 | 25.51848 | 40.47921 | 6.77497 | 23.03503 | 44.57012 | 10.86588 | 55.34412 |
| 7/30/2025 | 1:00:00 PM | 33.6708 | 59.60506 | 25.93426 | 21.79574 | 46.43784 | 12.76704 | 25.88296 | 47.5108 | 13.84 | 25.51 | 40.45417 | 6.78337 | 23.02663 | 44.55225 | 10.88145 | 55.32855 |
| 7/30/2025 | 2:00:00 PM | 33.65408 | 59.59435 | 25.94027 | 21.78973 | 46.4043 | 12.75022 | 25.89978 | 47.48941 | 13.83533 | 25.51467 | 40.45059 | 6.79651 | 23.01349 | 44.54868 | 10.8946 | 55.3154 |
| 7/30/2025 | 3:00:00 PM | 33.62732 | 59.57292 | 25.9456 | 21.7844 | 46.35735 | 12.73003 | 25.91997 | 47.47515 | 13.84783 | 25.50217 | 40.43986 | 6.81254 | 22.99746 | 44.53081 | 10.90349 | 55.30651 |
| 7/30/2025 | 4:00:00 PM | 33.62064 | 59.56221 | 25.94157 | 21.78843 | 46.3104 | 12.68976 | 25.96024 | 47.46445 | 13.84381 | 25.50619 | 40.4327 | 6.81206 | 22.99794 | 44.52724 | 10.9066 | 55.3034 |
| 7/30/2025 | 5:00:00 PM | 33.63067 | 59.55507 | 25.9244 | 21.8056 | 46.28356 | 12.65289 | 25.99711 | 47.45732 | 13.82665 | 25.52335 | 40.43628 | 6.80561 | 23.00439 | 44.53796 | 10.90729 | 55.30271 |
| 7/30/2025 | 6:00:00 PM | 33.63736 | 59.56935 | 25.93199 | 21.79801 | 46.26344 | 12.62608 | 26.02392 | 47.46088 | 13.82352 | 25.52648 | 40.4327 | 6.79534 | 23.01466 | 44.56298 | 10.92562 | 55.28438 |
| 7/30/2025 | 7:00:00 PM | 33.6407 | 59.55507 | 25.91437 | 21.81563 | 46.23326 | 12.59256 | 26.05744 | 47.46445 | 13.82375 | 25.52625 | 40.42197 | 6.78127 | 23.02873 | 44.55225 | 10.91155 | 55.29845 |
| 7/30/2025 | 8:00:00 PM | 33.62732 | 59.54436 | 25.91704 | 21.81296 | 46.20307 | 12.57575 | 26.07425 | 47.44306 | 13.81574 | 25.53426 | 40.41481 | 6.78749 | 23.02251 | 44.54868 | 10.92136 | 55.28864 |
| 7/30/2025 | 9:00:00 PM | 33.64404 | 59.55507 | 25.91103 | 21.81897 | 46.20643 | 12.56239 | 26.08761 | 47.44662 | 13.80258 | 25.54742 | 40.42197 | 6.77793 | 23.03207 | 44.56298 | 10.91894 | 55.29106 |
| 7/30/2025 | 10:00:00 PM | 33.66076 | 59.56578 | 25.90502 | 21.82498 | 46.21984 | 12.55908 | 26.09092 | 47.46088 | 13.80012 | 25.54988 | 40.42555 | 6.76479 | 23.04521 | 44.56655 | 10.90579 | 55.30421 |
| 7/30/2025 | 11:00:00 PM | 33.65073 | 59.56578 | 25.91505 | 21.81495 | 46.22655 | 12.57582 | 26.07418 | 47.45375 | 13.80302 | 25.54698 | 40.41839 | 6.76766 | 23.04234 | 44.5594 | 10.90867 | 55.30133 |
| 7/31/2025 | 12:00:00 AM | 33.65408 | 59.56221 | 25.90813 | 21.82187 | 46.24332 | 12.58924 | 26.06076 | 47.45375 | 13.79967 | 25.55033 | 40.41481 | 6.76073 | 23.04927 | 44.55583 | 10.90175 | 55.30825 |
| 7/31/2025 | 1:00:00 AM | 33.65073 | 59.55864 | 25.90791 | 21.82209 | 46.26344 | 12.61271 | 26.03729 | 47.45019 | 13.79946 | 25.55054 | 40.41481 | 6.76408 | 23.04592 | 44.54511 | 10.89438 | 55.31562 |
| 7/31/2025 | 2:00:00 AM | 33.64739 | 59.55864 | 25.91125 | 21.81875 | 46.27686 | 12.62947 | 26.02053 | 47.44306 | 13.79567 | 25.55433 | 40.41124 | 6.76385 | 23.04615 | 44.53796 | 10.89057 | 55.31943 |
| 7/31/2025 | 3:00:00 AM | 33.64739 | 59.56935 | 25.92196 | 21.80804 | 46.29698 | 12.64959 | 26.00041 | 47.44306 | 13.79567 | 25.55433 | 40.41481 | 6.76742 | 23.04258 | 44.54511 | 10.89772 | 55.31228 |
| 7/31/2025 | 4:00:00 AM | 33.64739 | 59.56578 | 25.91839 | 21.81161 | 46.31375 | 12.66636 | 25.98364 | 47.45019 | 13.8028 | 25.5472 | 40.40766 | 6.76027 | 23.04973 | 44.54511 | 10.89772 | 55.31228 |
| 7/31/2025 | 5:00:00 AM | 33.65073 | 59.56935 | 25.91862 | 21.81138 | 46.33387 | 12.68314 | 25.96686 | 47.44662 | 13.79589 | 25.55411 | 40.41481 | 6.76408 | 23.04592 | 44.54511 | 10.89438 | 55.31562 |
| 7/31/2025 | 6:00:00 AM | 33.65742 | 59.58721 | 25.92979 | 21.80021 | 46.36741 | 12.70999 | 25.94001 | 47.46445 | 13.80703 | 25.54297 | 40.41839 | 6.76097 | 23.04903 | 44.5594 | 10.90198 | 55.30802 |
| 7/31/2025 | 7:00:00 AM | 33.67748 | 59.59078 | 25.9133 | 21.8167 | 46.39424 | 12.71676 | 25.93324 | 47.47871 | 13.80123 | 25.54877 | 40.42555 | 6.74807 | 23.06193 | 44.57012 | 10.89264 | 55.31736 |
| 7/31/2025 | 8:00:00 AM | 33.69086 | 59.60506 | 25.9142 | 21.8158 | 46.42778 | 12.73692 | 25.91308 | 47.49654 | 13.80568 | 25.54432 | 40.43986 | 6.749 | 23.061 | 44.5737 | 10.88284 | 55.32716 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/31/2025 | 9:00:00 AM | 33.6942 | 59.60863 | 25.91443 | 21.81557 | 46.45126 | 12.75706 | 25.89294 | 47.49654 | 13.80234 | 25.54766 | 40.43628 | 6.74208 | 23.06792 | 44.57012 | 10.87592 | 55.33408 |
| 7/31/2025 | 10:00:00 AM | 33.69086 | 59.6122 | 25.92134 | 21.80866 | 46.45461 | 12.76375 | 25.88625 | 47.49654 | 13.80568 | 25.54432 | 40.42555 | 6.73469 | 23.07531 | 44.56298 | 10.87212 | 55.33788 |
| 7/31/2025 | 11:00:00 AM | 33.69086 | 59.6122 | 25.92134 | 21.80866 | 46.45797 | 12.76711 | 25.88289 | 47.50723 | 13.81637 | 25.53363 | 40.42913 | 6.73827 | 23.07173 | 44.5594 | 10.86854 | 55.34146 |
| 7/31/2025 | 12:00:00 PM | 33.67414 | 59.60506 | 25.93092 | 21.79908 | 46.43784 | 12.7637 | 25.8863 | 47.49654 | 13.8224 | 25.5276 | 40.42555 | 6.75141 | 23.05859 | 44.54511 | 10.87097 | 55.33903 |
| 7/31/2025 | 1:00:00 PM | 33.67748 | 59.59435 | 25.91687 | 21.81313 | 46.42107 | 12.74359 | 25.90641 | 47.49654 | 13.81906 | 25.53094 | 40.42197 | 6.74449 | 23.06551 | 44.54511 | 10.86763 | 55.34237 |
| 7/31/2025 | 2:00:00 PM | 33.67748 | 59.59435 | 25.91687 | 21.81313 | 46.40766 | 12.73018 | 25.91982 | 47.48941 | 13.81193 | 25.53807 | 40.42197 | 6.74449 | 23.06551 | 44.55225 | 10.87477 | 55.33523 |
| 7/31/2025 | 3:00:00 PM | 33.68083 | 59.58363 | 25.9028 | 21.8272 | 46.38083 | 12.7 | 25.95 | 47.49297 | 13.81214 | 25.53786 | 40.42913 | 6.7483 | 23.0617 | 44.55225 | 10.87142 | 55.33858 |
| 7/31/2025 | 4:00:00 PM | 33.66745 | 59.57292 | 25.90547 | 21.82453 | 46.33387 | 12.66642 | 25.98358 | 47.46802 | 13.80057 | 25.54943 | 40.42197 | 6.75452 | 23.05548 | 44.54868 | 10.88123 | 55.32877 |
| 7/31/2025 | 5:00:00 PM | 33.6708 | 59.56578 | 25.89498 | 21.83502 | 46.30369 | 12.63289 | 26.01711 | 47.47515 | 13.80435 | 25.54565 | 40.41839 | 6.74759 | 23.06241 | 44.54153 | 10.87073 | 55.33927 |
| 7/31/2025 | 6:00:00 PM | 33.64404 | 59.54793 | 25.90389 | 21.82611 | 46.26009 | 12.61605 | 26.03395 | 47.44662 | 13.80258 | 25.54742 | 40.40408 | 6.76004 | 23.04996 | 44.51651 | 10.87247 | 55.33753 |
| 7/31/2025 | 7:00:00 PM | 33.64739 | 59.54793 | 25.90054 | 21.82946 | 46.23661 | 12.58922 | 26.06078 | 47.44662 | 13.79923 | 25.55077 | 40.41481 | 6.76742 | 23.04258 | 44.52724 | 10.87985 | 55.33015 |
| 7/31/2025 | 8:00:00 PM | 33.65742 | 59.55507 | 25.89765 | 21.83235 | 46.23326 | 12.57584 | 26.07416 | 47.44306 | 13.78564 | 25.56436 | 40.41481 | 6.75739 | 23.05261 | 44.54511 | 10.88769 | 55.32231 |
| 7/31/2025 | 9:00:00 PM | 33.68417 | 59.58363 | 25.89946 | 21.83054 | 46.25673 | 12.57256 | 26.07744 | 47.47158 | 13.78741 | 25.56259 | 40.4327 | 6.74853 | 23.06147 | 44.57012 | 10.88595 | 55.32405 |
| 7/31/2025 | 10:00:00 PM | 33.70089 | 59.59792 | 25.89703 | 21.83297 | 46.28356 | 12.58267 | 26.06733 | 47.48584 | 13.78495 | 25.56505 | 40.43986 | 6.73897 | 23.07103 | 44.58084 | 10.87995 | 55.33005 |
| 7/31/2025 | 11:00:00 PM | 33.70424 | 59.59792 | 25.89368 | 21.83632 | 46.29363 | 12.58939 | 26.06061 | 47.48941 | 13.78517 | 25.56483 | 40.44344 | 6.7392 | 23.0708 | 44.58084 | 10.8766 | 55.3334 |
| 8/1/2025 | 12:00:00 AM | 33.71092 | 59.60863 | 25.89771 | 21.83229 | 46.3104 | 12.59948 | 26.05052 | 47.48228 | 13.77136 | 25.57864 | 40.4327 | 6.72178 | 23.08822 | 44.56655 | 10.85563 | 55.35437 |
| 8/1/2025 | 1:00:00 AM | 33.71092 | 59.6122 | 25.90128 | 21.82872 | 46.33387 | 12.62295 | 26.02705 | 47.49297 | 13.78205 | 25.56795 | 40.44344 | 6.73252 | 23.07748 | 44.5737 | 10.86278 | 55.34722 |
| 8/1/2025 | 2:00:00 AM | 33.72096 | 59.60506 | 25.8841 | 21.8459 | 46.3607 | 12.63974 | 26.01026 | 47.49654 | 13.77558 | 25.57442 | 40.44701 | 6.72605 | 23.08395 | 44.5737 | 10.85274 | 55.35726 |
| 8/1/2025 | 3:00:00 AM | 33.70758 | 59.60863 | 25.90105 | 21.82895 | 46.37747 | 12.66989 | 25.98011 | 47.48941 | 13.78183 | 25.56817 | 40.43986 | 6.73228 | 23.07772 | 44.5594 | 10.85182 | 55.35818 |
| 8/1/2025 | 4:00:00 AM | 33.72764 | 59.61577 | 25.88813 | 21.84187 | 46.3976 | 12.66996 | 25.98004 | 47.49654 | 13.7689 | 25.5811 | 40.45417 | 6.72653 | 23.08347 | 44.56655 | 10.83891 | 55.37109 |
| 8/1/2025 | 5:00:00 AM | 33.74102 | 59.64434 | 25.90332 | 21.82668 | 46.43114 | 12.69012 | 25.95988 | 47.5108 | 13.76978 | 25.58022 | 40.4649 | 6.72388 | 23.08612 | 44.57727 | 10.83625 | 55.37375 |
| 8/1/2025 | 6:00:00 AM | 33.74436 | 59.64791 | 25.90355 | 21.82645 | 46.46132 | 12.71696 | 25.93304 | 47.52506 | 13.7807 | 25.5693 | 40.46848 | 6.72412 | 23.08588 | 44.59157 | 10.84721 | 55.36279 |
| 8/1/2025 | 7:00:00 AM | 33.77112 | 59.67291 | 25.90179 | 21.82821 | 46.50492 | 12.7338 | 25.9162 | 47.56071 | 13.78959 | 25.56041 | 40.49353 | 6.72241 | 23.08759 | 44.60944 | 10.83832 | 55.37168 |
| 8/1/2025 | 8:00:00 AM | 33.79452 | 59.68362 | 25.8891 | 21.8409 | 46.53175 | 12.73723 | 25.91277 | 47.57497 | 13.78045 | 25.56955 | 40.50068 | 6.70616 | 23.10384 | 44.61658 | 10.82206 | 55.38794 |
| 8/1/2025 | 9:00:00 AM | 33.79452 | 59.68362 | 25.8891 | 21.8409 | 46.55187 | 12.75735 | 25.89265 | 47.5821 | 13.78758 | 25.56242 | 40.50068 | 6.70616 | 23.10384 | 44.60944 | 10.81492 | 55.39508 |
| 8/1/2025 | 10:00:00 AM | 33.8079 | 59.69433 | 25.88643 | 21.84357 | 46.56529 | 12.75739 | 25.89261 | 47.59636 | 13.78846 | 25.56154 | 40.50068 | 6.69278 | 23.11722 | 44.61301 | 10.80511 | 55.40489 |
| 8/1/2025 | 11:00:00 AM | 33.80456 | 59.69433 | 25.88977 | 21.84023 | 46.572 | 12.76744 | 25.88256 | 47.59636 | 13.7918 | 25.5582 | 40.51141 | 6.70685 | 23.10315 | 44.60229 | 10.79773 | 55.41227 |
| 8/1/2025 | 12:00:00 PM | 33.80456 | 59.69433 | 25.88977 | 21.84023 | 46.56194 | 12.75738 | 25.89262 | 47.59636 | 13.7918 | 25.5582 | 40.51499 | 6.71043 | 23.09957 | 44.60586 | 10.8013 | 55.4087 |
| 8/1/2025 | 1:00:00 PM | 33.80456 | 59.70147 | 25.89691 | 21.83309 | 46.55187 | 12.74731 | 25.90269 | 47.5928 | 13.78824 | 25.56176 | 40.51499 | 6.71043 | 23.09957 | 44.59871 | 10.79415 | 55.41585 |
| 8/1/2025 | 2:00:00 PM | 33.79787 | 59.68005 | 25.88218 | 21.84782 | 46.52504 | 12.72717 | 25.92283 | 47.58567 | 13.7878 | 25.5622 | 40.51499 | 6.71712 | 23.09288 | 44.59514 | 10.79727 | 55.41273 |
| 8/1/2025 | 3:00:00 PM | 33.79118 | 59.67648 | 25.8853 | 21.8447 | 46.50157 | 12.71039 | 25.93961 | 47.5821 | 13.79092 | 25.55908 | 40.51141 | 6.72023 | 23.08977 | 44.59157 | 10.80039 | 55.40961 |
| 8/1/2025 | 4:00:00 PM | 33.78449 | 59.66576 | 25.88127 | 21.84873 | 46.45126 | 12.66677 | 25.98323 | 47.57497 | 13.79048 | 25.55952 | 40.50784 | 6.72335 | 23.08665 | 44.60586 | 10.82137 | 55.38863 |
| 8/1/2025 | 5:00:00 PM | 33.7778 | 59.66576 | 25.88796 | 21.84204 | 46.42107 | 12.64327 | 26.00673 | 47.56428 | 13.78648 | 25.56352 | 40.51141 | 6.73361 | 23.07639 | 44.59514 | 10.81734 | 55.39266 |
| 8/1/2025 | 6:00:00 PM | 33.78115 | 59.65505 | 25.8739 | 21.8561 | 46.37747 | 12.59632 | 26.05368 | 47.56428 | 13.78313 | 25.56687 | 40.51141 | 6.73026 | 23.07974 | 44.59514 | 10.81399 | 55.39601 |
| 8/1/2025 | 7:00:00 PM | 33.78449 | 59.66934 | 25.88485 | 21.84515 | 46.354 | 12.56951 | 26.08049 | 47.57497 | 13.79048 | 25.55952 | 40.51499 | 6.7305 | 23.0795 | 44.60586 | 10.82137 | 55.38863 |
| 8/1/2025 | 8:00:00 PM | 33.81124 | 59.68005 | 25.86881 | 21.86119 | 46.34393 | 12.53269 | 26.11731 | 47.57854 | 13.7673 | 25.5827 | 40.5293 | 6.71806 | 23.09194 | 44.63445 | 10.82321 | 55.38679 |
| 8/1/2025 | 9:00:00 PM | 33.82128 | 59.6979 | 25.87662 | 21.85338 | 46.33723 | 12.51595 | 26.13405 | 47.58567 | 13.76439 | 25.58561 | 40.53646 | 6.71518 | 23.09482 | 44.63803 | 10.81675 | 55.39325 |
| 8/1/2025 | 10:00:00 PM | 33.83131 | 59.69433 | 25.86302 | 21.86698 | 46.34058 | 12.50927 | 26.14073 | 47.58923 | 13.75792 | 25.59208 | 40.53646 | 6.70515 | 23.10485 | 44.64518 | 10.81387 | 55.39613 |
| 8/1/2025 | 11:00:00 PM | 33.83465 | 59.70147 | 25.86682 | 21.86318 | 46.35735 | 12.5227 | 26.1273 | 47.58923 | 13.75458 | 25.59542 | 40.53646 | 6.70181 | 23.10819 | 44.63803 | 10.80338 | 55.40662 |
| 8/2/2025 | 12:00:00 AM | 33.83465 | 59.69433 | 25.85968 | 21.87032 | 46.36741 | 12.53276 | 26.11724 | 47.5821 | 13.74745 | 25.60255 | 40.54361 | 6.70896 | 23.10104 | 44.63088 | 10.79623 | 55.41377 |
| 8/2/2025 | 1:00:00 AM | 33.84134 | 59.71576 | 25.87442 | 21.85558 | 46.39424 | 12.5529 | 26.0971 | 47.59636 | 13.75502 | 25.59498 | 40.55077 | 6.70943 | 23.10057 | 44.6416 | 10.80026 | 55.40974 |
| 8/2/2025 | 2:00:00 AM | 33.84468 | 59.71219 | 25.86751 | 21.86249 | 46.42107 | 12.57639 | 26.07361 | 47.5928 | 13.74812 | 25.60188 | 40.55077 | 6.70609 | 23.10391 | 44.63803 | 10.79335 | 55.41665 |
| 8/2/2025 | 3:00:00 AM | 33.8614 | 59.73361 | 25.87221 | 21.85779 | 46.45461 | 12.59321 | 26.05679 | 47.59993 | 13.73853 | 25.61147 | 40.5615 | 6.7001 | 23.1099 | 44.64875 | 10.78735 | 55.42265 |
| 8/2/2025 | 4:00:00 AM | 33.85806 | 59.73718 | 25.87912 | 21.85088 | 46.47474 | 12.61668 | 26.03332 | 47.61419 | 13.75613 | 25.59387 | 40.56508 | 6.70702 | 23.10298 | 44.65232 | 10.79426 | 55.41574 |
| 8/2/2025 | 5:00:00 AM | 33.8614 | 59.73718 | 25.87578 | 21.85422 | 46.50492 | 12.64352 | 26.00648 | 47.61776 | 13.75636 | 25.59364 | 40.56508 | 6.70368 | 23.10632 | 44.65232 | 10.79092 | 55.41908 |
| 8/2/2025 | 6:00:00 AM | 33.86475 | 59.7479 | 25.88315 | 21.84685 | 46.53175 | 12.667 | 25.983 | 47.62489 | 13.76014 | 25.58986 | 40.57224 | 6.70749 | 23.10251 | 44.6559 | 10.79115 | 55.41885 |
| 8/2/2025 | 7:00:00 AM | 33.88147 | 59.76218 | 25.88071 | 21.84929 | 46.56194 | 12.68047 | 25.96953 | 47.63915 | 13.75768 | 25.59232 | 40.57939 | 6.69792 | 23.11208 | 44.66304 | 10.78157 | 55.42843 |
| 8/2/2025 | 8:00:00 AM | 33.89819 | 59.78003 | 25.88184 | 21.84816 | 46.59548 | 12.69729 | 25.95271 | 47.64984 | 13.75165 | 25.59835 | 40.59728 | 6.69909 | 23.11091 | 44.68091 | 10.78272 | 55.42728 |
| 8/2/2025 | 9:00:00 AM | 33.91156 | 59.7836 | 25.87204 | 21.85796 | 46.62231 | 12.71075 | 25.93925 | 47.66411 | 13.75255 | 25.59745 | 40.59728 | 6.68572 | 23.12428 | 44.68091 | 10.76935 | 55.44065 |
| 8/2/2025 | 10:00:00 AM | 33.90488 | 59.7836 | 25.87872 | 21.85128 | 46.63572 | 12.73084 | 25.91916 | 47.66411 | 13.75923 | 25.59077 | 40.60444 | 6.69956 | 23.11044 | 44.68091 | 10.77603 | 55.43397 |
| 8/2/2025 | 11:00:00 AM | 33.91491 | 59.7836 | 25.86869 | 21.86131 | 46.65585 | 12.74094 | 25.90906 | 47.6855 | 13.77059 | 25.57941 | 40.61159 | 6.69668 | 23.11332 | 44.68806 | 10.77315 | 55.43685 |
| 8/2/2025 | 12:00:00 PM | 33.90822 | 59.79075 | 25.88253 | 21.84747 | 46.65249 | 12.74427 | 25.90573 | 47.66767 | 13.75945 | 25.59055 | 40.60086 | 6.69264 | 23.11736 | 44.67377 | 10.76555 | 55.44445 |
| 8/2/2025 | 1:00:00 PM | 33.90488 | 59.79432 | 25.88944 | 21.84056 | 46.66926 | 12.76438 | 25.88562 | 47.6748 | 13.76992 | 25.58008 | 40.60444 | 6.69956 | 23.11044 | 44.67734 | 10.77246 | 55.43754 |
| 8/2/2025 | 2:00:00 PM | 33.89819 | 59.78717 | 25.88898 | 21.84102 | 46.6592 | 12.76101 | 25.88899 | 47.67124 | 13.77305 | 25.57695 | 40.60444 | 6.70625 | 23.10375 | 44.67377 | 10.77558 | 55.43442 |
| 8/2/2025 | 3:00:00 PM | 33.89819 | 59.78717 | 25.88898 | 21.84102 | 46.65249 | 12.7543 | 25.8957 | 47.67837 | 13.78018 | 25.56982 | 40.60802 | 6.70983 | 23.10017 | 44.67734 | 10.77915 | 55.43085 |
| 8/2/2025 | 4:00:00 PM | 33.88481 | 59.78003 | 25.89522 | 21.83478 | 46.64243 | 12.75762 | 25.89238 | 47.67124 | 13.78643 | 25.56357 | 40.60086 | 6.71605 | 23.09395 | 44.67377 | 10.78896 | 55.42104 |
| 8/2/2025 | 5:00:00 PM | 33.87812 | 59.76575 | 25.88763 | 21.84237 | 46.6156 | 12.73748 | 25.91252 | 47.65697 | 13.77885 | 25.57115 | 40.60086 | 6.72274 | 23.08726 | 44.67019 | 10.79207 | 55.41793 |
| 8/2/2025 | 6:00:00 PM | 33.85806 | 59.75504 | 25.89698 | 21.83302 | 46.59883 | 12.74077 | 25.90923 | 47.63558 | 13.77752 | 25.57248 | 40.58655 | 6.72849 | 23.08151 | 44.65232 | 10.79426 | 55.41574 |
| 8/2/2025 | 7:00:00 PM | 33.84468 | 59.74432 | 25.89964 | 21.83036 | 46.56529 | 12.72061 | 25.92939 | 47.62489 | 13.78021 | 25.56979 | 40.57581 | 6.73113 | 23.07887 | 44.6416 | 10.79692 | 55.41308 |
| 8/2/2025 | 8:00:00 PM | 33.83131 | 59.73361 | 25.9023 | 21.8277 | 46.54517 | 12.71386 | 25.93614 | 47.59636 | 13.76505 | 25.58495 | 40.56866 | 6.73735 | 23.07265 | 44.63803 | 10.80672 | 55.40328 |
| 8/2/2025 | 9:00:00 PM | 33.83131 | 59.73361 | 25.9023 | 21.8277 | 46.55858 | 12.72727 | 25.92273 | 47.60706 | 13.77575 | 25.57425 | 40.57939 | 6.74808 | 23.06192 | 44.64875 | 10.81744 | 55.39256 |
| 8/2/2025 | 10:00:00 PM | 33.83131 | 59.73361 | 25.9023 | 21.8277 | 46.56194 | 12.73063 | 25.91937 | 47.60706 | 13.77575 | 25.57425 | 40.57581 | 6.7445 | 23.0655 | 44.65947 | 10.82816 | 55.38184 |
| 8/2/2025 | 11:00:00 PM | 33.82128 | 59.73004 | 25.90876 | 21.82124 | 46.54852 | 12.72724 | 25.92276 | 47.59636 | 13.77508 | 25.57492 | 40.56508 | 6.7438 | 23.0662 | 44.64518 | 10.8239 | 55.3861 |
| 8/3/2025 | 12:00:00 AM | 33.83465 | 59.73718 | 25.90253 | 21.82747 | 46.56864 | 12.73399 | 25.91601 | 47.59993 | 13.76528 | 25.58472 | 40.5615 | 6.72685 | 23.08315 | 44.6559 | 10.82125 | 55.38875 |
| 8/3/2025 | 1:00:00 AM | 33.82796 | 59.73718 | 25.90922 | 21.82078 | 46.58206 | 12.7541 | 25.8959 | 47.6035 | 13.77554 | 25.57446 | 40.5615 | 6.73354 | 23.07646 | 44.66662 | 10.83866 | 55.37134 |
| 8/3/2025 | 2:00:00 AM | 33.81459 | 59.72647 | 25.91188 | 21.81812 | 46.58541 | 12.77082 | 25.87918 | 47.59636 | 13.78177 | 25.56823 | 40.55077 | 6.73618 | 23.07382 | 44.6559 | 10.84131 | 55.36869 |
| 8/3/2025 | 3:00:00 AM | 33.81124 | 59.72647 | 25.91523 | 21.81477 | 46.59548 | 12.78424 | 25.86576 | 47.5928 | 13.78156 | 25.56844 | 40.55077 | 6.73953 | 23.07047 | 44.64875 | 10.83751 | 55.37249 |
| 8/3/2025 | 4:00:00 AM | 33.81793 | 59.73004 | 25.91211 | 21.81789 | 46.60889 | 12.79096 | 25.85904 | 47.5928 | 13.77487 | 25.57513 | 40.54719 | 6.72926 | 23.08074 | 44.6559 | 10.83797 | 55.37203 |
| 8/3/2025 | 5:00:00 AM | 33.81793 | 59.73361 | 25.91568 | 21.81432 | 46.61895 | 12.80102 | 25.84898 | 47.58923 | 13.7713 | 25.5787 | 40.55077 | 6.73284 | 23.07716 | 44.6559 | 10.83797 | 55.37203 |
| 8/3/2025 | 6:00:00 AM | 33.81459 | 59.73361 | 25.91902 | 21.81098 | 46.63572 | 12.82113 | 25.82887 | 47.59636 | 13.78177 | 25.56823 | 40.54719 | 6.7326 | 23.0774 | 44.6559 | 10.84131 | 55.36869 |
| 8/3/2025 | 7:00:00 AM | 33.8079 | 59.73004 | 25.92214 | 21.80786 | 46.64578 | 12.83788 | 25.81212 | 47.59636 | 13.78846 | 25.56154 | 40.54004 | 6.73214 | 23.07786 | 44.6559 | 10.848 | 55.362 |
| 8/3/2025 | 8:00:00 AM | 33.80456 | 59.72647 | 25.92191 | 21.80809 | 46.64243 | 12.83787 | 25.81213 | 47.58567 | 13.78111 | 25.56889 | 40.53646 | 6.7319 | 23.0781 | 44.64875 | 10.84419 | 55.36581 |
| 8/3/2025 | 9:00:00 AM | 33.80456 | 59.73361 | 25.92905 | 21.80095 | 46.65249 | 12.84793 | 25.80207 | 47.5928 | 13.78824 | 25.56176 | 40.53646 | 6.7319 | 23.0781 | 44.64518 | 10.84062 | 55.36938 |
| 8/3/2025 | 10:00:00 AM | 33.80456 | 59.71933 | 25.91477 | 21.81523 | 46.66591 | 12.86135 | 25.78865 | 47.5928 | 13.78824 | 25.56176 | 40.53288 | 6.72832 | 23.08168 | 44.65232 | 10.84776 | 55.36224 |
| 8/3/2025 | 11:00:00 AM | 33.79787 | 59.71933 | 25.92146 | 21.80854 | 46.65249 | 12.85462 | 25.79538 | 47.58567 | 13.7878 | 25.5622 | 40.52573 | 6.72786 | 23.08214 | 44.6416 | 10.84373 | 55.36627 |
| 8/3/2025 | 12:00:00 PM | 33.79118 | 59.70862 | 25.91744 | 21.81256 | 46.64914 | 12.85796 | 25.79204 | 47.58567 | 13.79449 | 25.55551 | 40.51499 | 6.72381 | 23.08619 | 44.63445 | 10.84327 | 55.36673 |
| 8/3/2025 | 1:00:00 PM | 33.78449 | 59.71219 | 25.9277 | 21.8023 | 46.64914 | 12.86465 | 25.78535 | 47.5821 | 13.79761 | 25.55239 | 40.51857 | 6.73408 | 23.07592 | 44.63803 | 10.85354 | 55.35646 |
| 8/3/2025 | 2:00:00 PM | 33.78115 | 59.6979 | 25.91675 | 21.81325 | 46.62566 | 12.84451 | 25.80549 | 47.57854 | 13.79739 | 25.55261 | 40.51499 | 6.73384 | 23.07616 | 44.6416 | 10.86045 | 55.34955 |
| 8/3/2025 | 3:00:00 PM | 33.7778 | 59.69433 | 25.91653 | 21.81347 | 46.61224 | 12.83444 | 25.81556 | 47.57141 | 13.79361 | 25.55639 | 40.50784 | 6.73004 | 23.07996 | 44.63803 | 10.86023 | 55.34977 |
| 8/3/2025 | 4:00:00 PM | 33.76108 | 59.67291 | 25.91183 | 21.81817 | 46.58206 | 12.82098 | 25.82902 | 47.56428 | 13.8032 | 25.5468 | 40.50068 | 6.7396 | 23.0704 | 44.62373 | 10.86265 | 55.34735 |
| 8/3/2025 | 5:00:00 PM | 33.74771 | 59.66576 | 25.91805 | 21.81195 | 46.55858 | 12.81087 | 25.83913 | 47.54645 | 13.79874 | 25.55126 | 40.49353 | 6.74582 | 23.06418 | 44.61658 | 10.86887 | 55.34113 |
| 8/3/2025 | 6:00:00 PM | 33.73099 | 59.65862 | 25.92763 | 21.80237 | 46.5284 | 12.79741 | 25.85259 | 47.52506 | 13.79407 | 25.55593 | 40.47206 | 6.74107 | 23.06893 | 44.60229 | 10.8713 | 55.3387 |
| 8/3/2025 | 7:00:00 PM | 33.7243 | 59.65505 | 25.93075 | 21.79925 | 46.51498 | 12.79068 | 25.85932 | 47.51436 | 13.79006 | 25.55994 | 40.46848 | 6.74418 | 23.06582 | 44.60586 | 10.88156 | 55.32844 |
| 8/3/2025 | 8:00:00 PM | 33.71427 | 59.63363 | 25.91936 | 21.81064 | 46.49486 | 12.78059 | 25.86941 | 47.50723 | 13.79296 | 25.55704 | 40.45775 | 6.74348 | 23.06652 | 44.59871 | 10.88444 | 55.32556 |
| 8/3/2025 | 9:00:00 PM | 33.71092 | 59.6372 | 25.92628 | 21.80372 | 46.49486 | 12.78394 | 25.86606 | 47.5001 | 13.78918 | 25.56082 | 40.46133 | 6.75041 | 23.05959 | 44.59871 | 10.88779 | 55.32221 |
| 8/3/2025 | 10:00:00 PM | 33.70424 | 59.6372 | 25.93296 | 21.79704 | 46.49151 | 12.78727 | 25.86273 | 47.49654 | 13.7923 | 25.5577 | 40.45417 | 6.74993 | 23.06007 | 44.60586 | 10.90162 | 55.30838 |
| 8/3/2025 | 11:00:00 PM | 33.70424 | 59.63363 | 25.92939 | 21.80061 | 46.50157 | 12.79733 | 25.85267 | 47.5001 | 13.79586 | 25.55414 | 40.45059 | 6.74635 | 23.06365 | 44.60586 | 10.90162 | 55.30838 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/4/2025 | 12:00:00 AM | 33.71092 | 59.63363 | 25.92271 | 21.80729 | 46.51163 | 12.80071 | 25.84929 | 47.49297 | 13.78205 | 25.56795 | 40.44701 | 6.73609 | 23.07391 | 44.60586 | 10.89494 | 55.31506 |
| 8/4/2025 | 1:00:00 AM | 33.70424 | 59.63006 | 25.92582 | 21.80418 | 46.51834 | 12.8141 | 25.8359 | 47.48941 | 13.78517 | 25.56483 | 40.44344 | 6.7392 | 23.0708 | 44.60229 | 10.89805 | 55.31195 |
| 8/4/2025 | 2:00:00 AM | 33.70089 | 59.62649 | 25.9256 | 21.8044 | 46.52169 | 12.8208 | 25.8292 | 47.47871 | 13.77782 | 25.57218 | 40.43628 | 6.73539 | 23.07461 | 44.59157 | 10.89068 | 55.31932 |
| 8/4/2025 | 3:00:00 AM | 33.69086 | 59.62291 | 25.93205 | 21.79795 | 46.53175 | 12.84089 | 25.80911 | 47.47515 | 13.78429 | 25.56571 | 40.42555 | 6.73469 | 23.07531 | 44.58799 | 10.89713 | 55.31287 |
| 8/4/2025 | 4:00:00 AM | 33.68752 | 59.61934 | 25.93182 | 21.79818 | 46.54852 | 12.861 | 25.789 | 47.47158 | 13.78406 | 25.56594 | 40.42555 | 6.73803 | 23.07197 | 44.58442 | 10.8969 | 55.3131 |
| 8/4/2025 | 5:00:00 AM | 33.69755 | 59.61577 | 25.91822 | 21.81178 | 46.55858 | 12.86103 | 25.78897 | 47.48584 | 13.78829 | 25.56171 | 40.42913 | 6.73158 | 23.07842 | 44.59514 | 10.89759 | 55.31241 |
| 8/4/2025 | 6:00:00 AM | 33.71092 | 59.63006 | 25.91914 | 21.81086 | 46.57871 | 12.86779 | 25.78221 | 47.49654 | 13.78562 | 25.56438 | 40.42555 | 6.71463 | 23.09537 | 44.60229 | 10.89137 | 55.31863 |
| 8/4/2025 | 7:00:00 AM | 33.70424 | 59.63363 | 25.92939 | 21.80061 | 46.58877 | 12.88453 | 25.76547 | 47.49654 | 13.7923 | 25.5577 | 40.4327 | 6.72846 | 23.08154 | 44.58799 | 10.88375 | 55.32625 |
| 8/4/2025 | 8:00:00 AM | 33.70758 | 59.63006 | 25.92248 | 21.80752 | 46.59548 | 12.8879 | 25.7621 | 47.49654 | 13.78896 | 25.56104 | 40.41839 | 6.71081 | 23.09919 | 44.58799 | 10.88041 | 55.32959 |
| 8/4/2025 | 9:00:00 AM | 33.70758 | 59.63006 | 25.92248 | 21.80752 | 46.60554 | 12.89796 | 25.75204 | 47.49297 | 13.78539 | 25.56461 | 40.42197 | 6.71439 | 23.09561 | 44.58442 | 10.87684 | 55.33316 |
| 8/4/2025 | 10:00:00 AM | 33.69755 | 59.61934 | 25.92179 | 21.80821 | 46.60554 | 12.90799 | 25.74201 | 47.48584 | 13.78829 | 25.56171 | 40.41481 | 6.71726 | 23.09274 | 44.58084 | 10.88329 | 55.32671 |
| 8/4/2025 | 11:00:00 AM | 33.70424 | 59.63363 | 25.92939 | 21.80061 | 46.6156 | 12.91136 | 25.73864 | 47.49297 | 13.78873 | 25.56127 | 40.42197 | 6.71773 | 23.09227 | 44.58084 | 10.8766 | 55.3334 |
| 8/4/2025 | 12:00:00 PM | 33.70089 | 59.62649 | 25.9256 | 21.8044 | 46.61895 | 12.91806 | 25.73194 | 47.50367 | 13.80278 | 25.54722 | 40.41839 | 6.7175 | 23.0925 | 44.58442 | 10.88353 | 55.32647 |
| 8/4/2025 | 1:00:00 PM | 33.70089 | 59.63006 | 25.92917 | 21.80083 | 46.6156 | 12.91471 | 25.73529 | 47.50723 | 13.80634 | 25.54366 | 40.41839 | 6.7175 | 23.0925 | 44.58084 | 10.87995 | 55.33005 |
| 8/4/2025 | 2:00:00 PM | 33.6942 | 59.61934 | 25.92514 | 21.80486 | 46.59883 | 12.90463 | 25.74537 | 47.49297 | 13.79877 | 25.55123 | 40.40408 | 6.70988 | 23.10012 | 44.5737 | 10.8795 | 55.3305 |
| 8/4/2025 | 3:00:00 PM | 33.68083 | 59.60863 | 25.9278 | 21.8022 | 46.572 | 12.89117 | 25.75883 | 47.48584 | 13.80501 | 25.54499 | 40.40408 | 6.72325 | 23.08675 | 44.56298 | 10.88215 | 55.32785 |
| 8/4/2025 | 4:00:00 PM | 33.66411 | 59.60149 | 25.93738 | 21.79262 | 46.54852 | 12.88441 | 25.76559 | 47.47158 | 13.80747 | 25.54253 | 40.39335 | 6.72924 | 23.08076 | 44.5594 | 10.89529 | 55.31471 |
| 8/4/2025 | 5:00:00 PM | 33.65742 | 59.58363 | 25.92621 | 21.80379 | 46.51498 | 12.85756 | 25.79244 | 47.45375 | 13.79633 | 25.55367 | 40.38261 | 6.72519 | 23.08481 | 44.54153 | 10.88411 | 55.32589 |
| 8/4/2025 | 6:00:00 PM | 33.64739 | 59.56935 | 25.92196 | 21.80804 | 46.4848 | 12.83741 | 25.81259 | 47.44306 | 13.79567 | 25.55433 | 40.37904 | 6.73165 | 23.07835 | 44.54153 | 10.89414 | 55.31586 |
| 8/4/2025 | 7:00:00 PM | 33.63736 | 59.56578 | 25.92842 | 21.80158 | 46.47474 | 12.83738 | 25.81262 | 47.43593 | 13.79857 | 25.55143 | 40.3683 | 6.73094 | 23.07906 | 44.54511 | 10.90775 | 55.30225 |
| 8/4/2025 | 8:00:00 PM | 33.65073 | 59.56221 | 25.91148 | 21.81852 | 46.45797 | 12.80724 | 25.84276 | 47.43236 | 13.78163 | 25.56837 | 40.36472 | 6.71399 | 23.09601 | 44.55225 | 10.90152 | 55.30848 |
| 8/4/2025 | 9:00:00 PM | 33.65742 | 59.57292 | 25.9155 | 21.8145 | 46.45461 | 12.79719 | 25.85281 | 47.45019 | 13.79277 | 25.55723 | 40.38261 | 6.72519 | 23.08481 | 44.56655 | 10.90913 | 55.30087 |
| 8/4/2025 | 10:00:00 PM | 33.67414 | 59.58006 | 25.90592 | 21.82408 | 46.45461 | 12.78047 | 25.86953 | 47.45732 | 13.78318 | 25.56682 | 40.38261 | 6.70847 | 23.10153 | 44.5737 | 10.89956 | 55.31044 |
| 8/4/2025 | 11:00:00 PM | 33.67748 | 59.57649 | 25.89901 | 21.83099 | 46.46132 | 12.78384 | 25.86616 | 47.45375 | 13.77627 | 25.57373 | 40.38261 | 6.70513 | 23.10487 | 44.56655 | 10.88907 | 55.32093 |
| 8/5/2025 | 12:00:00 AM | 33.67748 | 59.58363 | 25.90615 | 21.82385 | 46.46803 | 12.79055 | 25.85945 | 47.45375 | 13.77627 | 25.57373 | 40.37904 | 6.70156 | 23.10844 | 44.56655 | 10.88907 | 55.32093 |
| 8/5/2025 | 1:00:00 AM | 33.66745 | 59.58006 | 25.91261 | 21.81739 | 46.47138 | 12.80393 | 25.84607 | 47.44662 | 13.77917 | 25.57083 | 40.37546 | 6.70801 | 23.10199 | 44.5594 | 10.89195 | 55.31805 |
| 8/5/2025 | 2:00:00 AM | 33.66745 | 59.57649 | 25.90904 | 21.82096 | 46.48144 | 12.81399 | 25.83601 | 47.43949 | 13.77204 | 25.57796 | 40.37546 | 6.70801 | 23.10199 | 44.55583 | 10.88838 | 55.32162 |
| 8/5/2025 | 3:00:00 AM | 33.66411 | 59.57649 | 25.91238 | 21.81762 | 46.49486 | 12.83075 | 25.81925 | 47.43949 | 13.77538 | 25.57462 | 40.36472 | 6.70061 | 23.10939 | 44.54511 | 10.881 | 55.329 |
| 8/5/2025 | 4:00:00 AM | 33.6708 | 59.58006 | 25.90926 | 21.82074 | 46.51163 | 12.84083 | 25.80917 | 47.44306 | 13.77226 | 25.57774 | 40.37546 | 6.70466 | 23.10534 | 44.55583 | 10.88503 | 55.32497 |
| 8/5/2025 | 5:00:00 AM | 33.65742 | 59.57649 | 25.91907 | 21.81093 | 46.51163 | 12.85421 | 25.79579 | 47.43593 | 13.77851 | 25.57149 | 40.36472 | 6.7073 | 23.1027 | 44.54868 | 10.89126 | 55.31874 |
| 8/5/2025 | 6:00:00 AM | 33.66411 | 59.58721 | 25.9231 | 21.8069 | 46.53175 | 12.86764 | 25.78236 | 47.43949 | 13.77538 | 25.57462 | 40.37188 | 6.70777 | 23.10223 | 44.54868 | 10.88457 | 55.32543 |
| 8/5/2025 | 7:00:00 AM | 33.68417 | 59.60149 | 25.91732 | 21.81268 | 46.55187 | 12.8677 | 25.7823 | 47.45019 | 13.76602 | 25.58398 | 40.37904 | 6.69487 | 23.11513 | 44.5594 | 10.87523 | 55.33477 |
| 8/5/2025 | 8:00:00 AM | 33.69755 | 59.60149 | 25.90394 | 21.82606 | 46.57535 | 12.8778 | 25.7722 | 47.46802 | 13.77047 | 25.57953 | 40.39335 | 6.6958 | 23.1142 | 44.56655 | 10.869 | 55.341 |
| 8/5/2025 | 9:00:00 AM | 33.70424 | 59.60863 | 25.90439 | 21.82561 | 46.59883 | 12.89459 | 25.75541 | 47.47515 | 13.77091 | 25.57909 | 40.39335 | 6.68911 | 23.12089 | 44.56655 | 10.86231 | 55.34769 |
| 8/5/2025 | 10:00:00 AM | 33.70424 | 59.60863 | 25.90439 | 21.82561 | 46.60554 | 12.9013 | 25.7487 | 47.47158 | 13.76734 | 25.58266 | 40.38261 | 6.67837 | 23.13163 | 44.56655 | 10.86231 | 55.34769 |
| 8/5/2025 | 11:00:00 AM | 33.6942 | 59.6122 | 25.918 | 21.812 | 46.59883 | 12.90463 | 25.74537 | 47.47871 | 13.78451 | 25.56549 | 40.38261 | 6.68841 | 23.12159 | 44.55583 | 10.86163 | 55.34837 |
| 8/5/2025 | 12:00:00 PM | 33.68417 | 59.59792 | 25.91375 | 21.81625 | 46.57871 | 12.89454 | 25.75546 | 47.46088 | 13.77671 | 25.57329 | 40.37188 | 6.68771 | 23.12229 | 44.54153 | 10.85736 | 55.35264 |
| 8/5/2025 | 1:00:00 PM | 33.66745 | 59.59078 | 25.92333 | 21.80667 | 46.55523 | 12.88778 | 25.76222 | 47.45375 | 13.7863 | 25.5637 | 40.37188 | 6.70443 | 23.10557 | 44.53438 | 10.86693 | 55.34307 |
| 8/5/2025 | 2:00:00 PM | 33.6708 | 59.58006 | 25.90926 | 21.82074 | 46.53175 | 12.86095 | 25.78905 | 47.44662 | 13.77582 | 25.57418 | 40.37188 | 6.70108 | 23.10892 | 44.53796 | 10.86716 | 55.34284 |
| 8/5/2025 | 3:00:00 PM | 33.65408 | 59.55864 | 25.90456 | 21.82544 | 46.48815 | 12.83407 | 25.81593 | 47.43593 | 13.78185 | 25.56815 | 40.36115 | 6.70707 | 23.10293 | 44.52009 | 10.86601 | 55.34399 |
| 8/5/2025 | 4:00:00 PM | 33.65073 | 59.56221 | 25.91148 | 21.81852 | 46.46132 | 12.81059 | 25.83941 | 47.4288 | 13.77807 | 25.57193 | 40.36115 | 6.71042 | 23.09958 | 44.53081 | 10.88008 | 55.32992 |
| 8/5/2025 | 5:00:00 PM | 33.64739 | 59.54793 | 25.90054 | 21.82946 | 46.41772 | 12.77033 | 25.87967 | 47.42523 | 13.77784 | 25.57216 | 40.35757 | 6.71018 | 23.09982 | 44.52366 | 10.87627 | 55.33373 |
| 8/5/2025 | 6:00:00 PM | 33.6407 | 59.54078 | 25.90008 | 21.82992 | 46.38753 | 12.74683 | 25.90317 | 47.4181 | 13.7774 | 25.5726 | 40.34684 | 6.70614 | 23.10386 | 44.52724 | 10.88654 | 55.32346 |
| 8/5/2025 | 7:00:00 PM | 33.6407 | 59.54078 | 25.90008 | 21.82992 | 46.354 | 12.7133 | 25.9367 | 47.40741 | 13.76671 | 25.58329 | 40.34326 | 6.70256 | 23.10744 | 44.53081 | 10.89011 | 55.31989 |
| 8/5/2025 | 8:00:00 PM | 33.65742 | 59.58006 | 25.89051 | 21.83949 | 46.34393 | 12.68651 | 25.96349 | 47.4181 | 13.76068 | 25.58932 | 40.36472 | 6.7073 | 23.1027 | 44.54511 | 10.88769 | 55.32231 |
| 8/5/2025 | 9:00:00 PM | 33.6708 | 59.56578 | 25.89498 | 21.83502 | 46.35064 | 12.67984 | 25.97016 | 47.42523 | 13.75443 | 25.59557 | 40.36472 | 6.69392 | 23.11608 | 44.55583 | 10.88503 | 55.32497 |
| 8/5/2025 | 10:00:00 PM | 33.67414 | 59.5515 | 25.87736 | 21.85264 | 46.34393 | 12.66979 | 25.98021 | 47.4181 | 13.74396 | 25.60604 | 40.35757 | 6.68343 | 23.12657 | 44.54511 | 10.87097 | 55.33903 |
| 8/5/2025 | 11:00:00 PM | 33.66411 | 59.55507 | 25.89096 | 21.83904 | 46.34729 | 12.68318 | 25.96682 | 47.42167 | 13.75756 | 25.59244 | 40.36115 | 6.69704 | 23.11296 | 44.54153 | 10.87742 | 55.33258 |
| 8/6/2025 | 12:00:00 AM | 33.6708 | 59.5515 | 25.8807 | 21.8493 | 46.3607 | 12.6899 | 25.9601 | 47.41097 | 13.74017 | 25.60983 | 40.35757 | 6.68677 | 23.12323 | 44.53438 | 10.86358 | 55.34642 |
| 8/6/2025 | 1:00:00 AM | 33.66076 | 59.54793 | 25.88717 | 21.84283 | 46.36406 | 12.7033 | 25.9467 | 47.40384 | 13.74308 | 25.60692 | 40.35041 | 6.68965 | 23.12035 | 44.52724 | 10.86648 | 55.34352 |
| 8/6/2025 | 2:00:00 AM | 33.66076 | 59.55507 | 25.89431 | 21.83569 | 46.38418 | 12.72342 | 25.92658 | 47.39314 | 13.73238 | 25.61762 | 40.34684 | 6.68608 | 23.12392 | 44.52366 | 10.8629 | 55.3471 |
| 8/6/2025 | 3:00:00 AM | 33.66076 | 59.55507 | 25.89431 | 21.83569 | 46.4043 | 12.74354 | 25.90646 | 47.40027 | 13.73951 | 25.61049 | 40.35041 | 6.68965 | 23.12035 | 44.53081 | 10.87005 | 55.33995 |
| 8/6/2025 | 4:00:00 AM | 33.65742 | 59.55507 | 25.89765 | 21.83235 | 46.41101 | 12.75359 | 25.89641 | 47.40384 | 13.74642 | 25.60358 | 40.35399 | 6.69657 | 23.11343 | 44.52724 | 10.86982 | 55.34018 |
| 8/6/2025 | 5:00:00 AM | 33.66076 | 59.55864 | 25.89788 | 21.83212 | 46.42778 | 12.76702 | 25.88298 | 47.40384 | 13.74308 | 25.60692 | 40.35399 | 6.69323 | 23.11677 | 44.53796 | 10.8772 | 55.3328 |
| 8/6/2025 | 6:00:00 AM | 33.66745 | 59.56221 | 25.89476 | 21.83524 | 46.4412 | 12.77375 | 25.87625 | 47.41097 | 13.74352 | 25.60648 | 40.35399 | 6.68654 | 23.12346 | 44.52724 | 10.85979 | 55.35021 |
| 8/6/2025 | 7:00:00 AM | 33.6708 | 59.56935 | 25.89855 | 21.83145 | 46.47138 | 12.80058 | 25.84942 | 47.41097 | 13.74017 | 25.60983 | 40.36115 | 6.69035 | 23.11965 | 44.53438 | 10.86358 | 55.34642 |
| 8/6/2025 | 8:00:00 AM | 33.67748 | 59.56578 | 25.8883 | 21.8417 | 46.49821 | 12.82073 | 25.82927 | 47.42523 | 13.74775 | 25.60225 | 40.35757 | 6.68009 | 23.12991 | 44.54511 | 10.86763 | 55.34237 |
| 8/6/2025 | 9:00:00 AM | 33.6708 | 59.57292 | 25.90212 | 21.82788 | 46.51163 | 12.84083 | 25.80917 | 47.43236 | 13.76156 | 25.58844 | 40.35757 | 6.68677 | 23.12323 | 44.53796 | 10.86716 | 55.34284 |
| 8/6/2025 | 10:00:00 AM | 33.68083 | 59.58721 | 25.90638 | 21.82362 | 46.53175 | 12.85092 | 25.79908 | 47.43949 | 13.75866 | 25.59134 | 40.36115 | 6.68032 | 23.12968 | 44.54153 | 10.8607 | 55.3493 |
| 8/6/2025 | 11:00:00 AM | 33.6942 | 59.60506 | 25.91086 | 21.81914 | 46.55858 | 12.86438 | 25.78562 | 47.45019 | 13.75599 | 25.59401 | 40.37188 | 6.67768 | 23.13232 | 44.54868 | 10.85448 | 55.35552 |
| 8/6/2025 | 12:00:00 PM | 33.70424 | 59.6122 | 25.90796 | 21.82204 | 46.59548 | 12.89124 | 25.75876 | 47.46802 | 13.76378 | 25.58622 | 40.38261 | 6.67837 | 23.13163 | 44.56298 | 10.85874 | 55.35126 |
| 8/6/2025 | 1:00:00 PM | 33.69755 | 59.6122 | 25.91465 | 21.81535 | 46.60889 | 12.91134 | 25.73866 | 47.47158 | 13.77403 | 25.57597 | 40.37546 | 6.67791 | 23.13209 | 44.55583 | 10.85828 | 55.35172 |
| 8/6/2025 | 2:00:00 PM | 33.70758 | 59.61934 | 25.91176 | 21.81824 | 46.63237 | 12.92479 | 25.72521 | 47.48228 | 13.7747 | 25.5753 | 40.38619 | 6.67861 | 23.13139 | 44.55583 | 10.84825 | 55.36175 |
| 8/6/2025 | 3:00:00 PM | 33.71761 | 59.63363 | 25.91602 | 21.81398 | 46.65585 | 12.93824 | 25.71176 | 47.48584 | 13.76823 | 25.58177 | 40.38977 | 6.67216 | 23.13784 | 44.56298 | 10.84537 | 55.36463 |
| 8/6/2025 | 4:00:00 PM | 33.71761 | 59.63006 | 25.91245 | 21.81755 | 46.66591 | 12.9483 | 25.7017 | 47.49297 | 13.77536 | 25.57464 | 40.38619 | 6.66858 | 23.14142 | 44.55583 | 10.83822 | 55.37178 |
| 8/6/2025 | 5:00:00 PM | 33.70424 | 59.63006 | 25.92582 | 21.80418 | 46.66926 | 12.96502 | 25.68498 | 47.48941 | 13.78517 | 25.56483 | 40.37546 | 6.67122 | 23.13878 | 44.54511 | 10.84087 | 55.36913 |
| 8/6/2025 | 6:00:00 PM | 33.69755 | 59.61934 | 25.92179 | 21.80821 | 46.67932 | 12.98177 | 25.66823 | 47.48228 | 13.78473 | 25.56527 | 40.37546 | 6.67791 | 23.13209 | 44.54153 | 10.84398 | 55.36602 |
| 8/6/2025 | 7:00:00 PM | 33.70758 | 59.62291 | 25.91533 | 21.81467 | 46.69274 | 12.98516 | 25.66484 | 47.49654 | 13.78896 | 25.56104 | 40.37904 | 6.67146 | 23.13854 | 44.55225 | 10.84467 | 55.36533 |
| 8/6/2025 | 8:00:00 PM | 33.70758 | 59.63006 | 25.92248 | 21.80752 | 46.71286 | 13.00528 | 25.64472 | 47.5001 | 13.79252 | 25.55748 | 40.38977 | 6.68219 | 23.12781 | 44.54868 | 10.8411 | 55.3689 |
| 8/6/2025 | 9:00:00 PM | 33.72764 | 59.64791 | 25.92027 | 21.80973 | 46.73634 | 13.0087 | 25.6413 | 47.51436 | 13.78672 | 25.56328 | 40.4005 | 6.67286 | 23.13714 | 44.56655 | 10.83891 | 55.37109 |
| 8/6/2025 | 10:00:00 PM | 33.74102 | 59.66219 | 25.92117 | 21.80883 | 46.76317 | 13.02215 | 25.62785 | 47.53932 | 13.7983 | 25.5517 | 40.40766 | 6.66664 | 23.14336 | 44.58442 | 10.8434 | 55.3666 |
| 8/6/2025 | 11:00:00 PM | 33.76443 | 59.68719 | 25.92276 | 21.80724 | 46.79335 | 13.02892 | 25.62108 | 47.57497 | 13.81054 | 25.53946 | 40.41839 | 6.65396 | 23.15604 | 44.59514 | 10.83071 | 55.37929 |
| 8/7/2025 | 12:00:00 AM | 33.76777 | 59.68362 | 25.91585 | 21.81415 | 46.80677 | 13.039 | 25.611 | 47.57141 | 13.80364 | 25.54636 | 40.42197 | 6.6542 | 23.1558 | 44.59157 | 10.8238 | 55.3862 |
| 8/7/2025 | 1:00:00 AM | 33.77446 | 59.69076 | 25.9163 | 21.8137 | 46.81012 | 13.03566 | 25.61434 | 47.57497 | 13.80051 | 25.54949 | 40.42555 | 6.65109 | 23.15891 | 44.59514 | 10.82068 | 55.38932 |
| 8/7/2025 | 2:00:00 AM | 33.77446 | 59.68005 | 25.90559 | 21.82441 | 46.81683 | 13.04237 | 25.60763 | 47.57854 | 13.80408 | 25.54592 | 40.42197 | 6.64751 | 23.16249 | 44.58799 | 10.81353 | 55.39647 |
| 8/7/2025 | 3:00:00 AM | 33.78784 | 59.69433 | 25.90649 | 21.82351 | 46.83695 | 13.04911 | 25.60089 | 47.58923 | 13.80139 | 25.54861 | 40.42913 | 6.64129 | 23.16871 | 44.58442 | 10.79658 | 55.41342 |
| 8/7/2025 | 4:00:00 AM | 33.77446 | 59.6979 | 25.92344 | 21.80656 | 46.84031 | 13.06585 | 25.58415 | 47.58923 | 13.81477 | 25.53523 | 40.4327 | 6.65824 | 23.15176 | 44.58442 | 10.80996 | 55.40004 |
| 8/7/2025 | 5:00:00 AM | 33.78784 | 59.70862 | 25.92078 | 21.80922 | 46.85037 | 13.06253 | 25.58747 | 47.6035 | 13.81566 | 25.53434 | 40.43986 | 6.65202 | 23.15798 | 44.58799 | 10.80015 | 55.40985 |
| 8/7/2025 | 6:00:00 AM | 33.79787 | 59.71219 | 25.91432 | 21.81568 | 46.86714 | 13.06927 | 25.58073 | 47.61419 | 13.81632 | 25.53368 | 40.44701 | 6.64914 | 23.16086 | 44.60944 | 10.81157 | 55.39843 |
| 8/7/2025 | 7:00:00 AM | 33.80456 | 59.73004 | 25.92548 | 21.80452 | 46.88056 | 13.076 | 25.574 | 47.62489 | 13.82033 | 25.52967 | 40.45775 | 6.65319 | 23.15681 | 44.60586 | 10.8013 | 55.4087 |
| 8/7/2025 | 8:00:00 AM | 33.81793 | 59.73004 | 25.91211 | 21.81789 | 46.89062 | 13.07269 | 25.57731 | 47.63558 | 13.81765 | 25.53235 | 40.4649 | 6.64697 | 23.16303 | 44.60944 | 10.79151 | 55.41849 |
| 8/7/2025 | 9:00:00 AM | 33.84468 | 59.75147 | 25.90679 | 21.82321 | 46.92416 | 13.07948 | 25.57052 | 47.66411 | 13.81943 | 25.53057 | 40.48637 | 6.64169 | 23.16831 | 44.63088 | 10.7862 | 55.4238 |
| 8/7/2025 | 10:00:00 AM | 33.84803 | 59.7479 | 25.89987 | 21.83013 | 46.9208 | 13.07277 | 25.57723 | 47.66767 | 13.81964 | 25.53036 | 40.48995 | 6.64192 | 23.16808 | 44.63088 | 10.78285 | 55.42715 |
| 8/7/2025 | 11:00:00 AM | 33.85472 | 59.76218 | 25.90746 | 21.82254 | 46.93086 | 13.07614 | 25.57386 | 47.6748 | 13.82008 | 25.52992 | 40.48995 | 6.63523 | 23.17477 | 44.62016 | 10.76544 | 55.44456 |
| 8/7/2025 | 12:00:00 PM | 33.85137 | 59.75861 | 25.90724 | 21.82276 | 46.93086 | 13.07949 | 25.57051 | 47.67124 | 13.81987 | 25.53013 | 40.49353 | 6.64216 | 23.16784 | 44.62731 | 10.77594 | 55.43406 |
| 8/7/2025 | 1:00:00 PM | 33.84803 | 59.76218 | 25.91415 | 21.81585 | 46.93422 | 13.08619 | 25.56381 | 47.67124 | 13.82321 | 25.52679 | 40.49353 | 6.6455 | 23.1645 | 44.62373 | 10.7757 | 55.4343 |
| 8/7/2025 | 2:00:00 PM | 33.84468 | 59.75861 | 25.91393 | 21.81607 | 46.91745 | 13.07277 | 25.57723 | 47.67124 | 13.82656 | 25.52344 | 40.49353 | 6.64885 | 23.16115 | 44.61658 | 10.7719 | 55.4381 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/7/2025 | 3:00:00 PM | 33.82803 | 59.75504 | 25.90701 | 21.82299 | 46.90403 | 13.056 | 25.594 | 47.6748 | 13.82677 | 25.52323 | 40.50784 | 6.65981 | 23.15019 | 44.62373 | 10.7757 | 55.4343 |
| 8/7/2025 | 4:00:00 PM | 33.84468 | 59.75147 | 25.90679 | 21.82321 | 46.87385 | 13.02917 | 25.62083 | 47.66411 | 13.81943 | 25.53057 | 40.4971 | 6.65242 | 23.15758 | 44.61658 | 10.7719 | 55.4381 |
| 8/7/2025 | 5:00:00 PM | 33.84468 | 59.75504 | 25.91036 | 21.81964 | 46.86714 | 13.02246 | 25.62754 | 47.6748 | 13.83012 | 25.51988 | 40.50068 | 6.656 | 23.154 | 44.62373 | 10.77905 | 55.43095 |
| 8/7/2025 | 6:00:00 PM | 33.838 | 59.75147 | 25.91347 | 21.81653 | 46.85037 | 13.01237 | 25.63763 | 47.66767 | 13.82967 | 25.52033 | 40.4971 | 6.6591 | 23.1509 | 44.62373 | 10.78573 | 55.42427 |
| 8/7/2025 | 7:00:00 PM | 33.84468 | 59.75147 | 25.90679 | 21.82321 | 46.83695 | 12.99227 | 25.65773 | 47.66054 | 13.81586 | 25.53414 | 40.50068 | 6.656 | 23.154 | 44.63088 | 10.7862 | 55.4238 |
| 8/7/2025 | 8:00:00 PM | 33.84803 | 59.75504 | 25.90701 | 21.82299 | 46.82354 | 12.97551 | 25.67449 | 47.67124 | 13.82321 | 25.52679 | 40.51499 | 6.66696 | 23.14304 | 44.64875 | 10.80072 | 55.40928 |
| 8/7/2025 | 9:00:00 PM | 33.86809 | 59.76932 | 25.90123 | 21.82877 | 46.82354 | 12.95545 | 25.69455 | 47.68193 | 13.81384 | 25.53616 | 40.52215 | 6.65406 | 23.15594 | 44.6559 | 10.78781 | 55.42219 |
| 8/7/2025 | 10:00:00 PM | 33.87478 | 59.76932 | 25.89454 | 21.83546 | 46.82354 | 12.94876 | 25.70124 | 47.67837 | 13.80359 | 25.54641 | 40.52215 | 6.64737 | 23.16263 | 44.65232 | 10.77754 | 55.43246 |
| 8/7/2025 | 11:00:00 PM | 33.87478 | 59.76575 | 25.89097 | 21.83903 | 46.82019 | 12.94541 | 25.70459 | 47.6748 | 13.80002 | 25.54998 | 40.51857 | 6.64379 | 23.16621 | 44.6559 | 10.78112 | 55.42888 |
| 8/8/2025 | 12:00:00 AM | 33.88147 | 59.76932 | 25.88785 | 21.84215 | 46.84031 | 12.95884 | 25.69116 | 47.6855 | 13.80403 | 25.54597 | 40.5293 | 6.64783 | 23.16217 | 44.66304 | 10.78157 | 55.42843 |
| 8/8/2025 | 1:00:00 AM | 33.87478 | 59.77289 | 25.89811 | 21.83189 | 46.83695 | 12.96217 | 25.68783 | 47.67124 | 13.79646 | 25.55354 | 40.5293 | 6.65452 | 23.15548 | 44.64875 | 10.77397 | 55.43603 |
| 8/8/2025 | 2:00:00 AM | 33.87144 | 59.77646 | 25.90502 | 21.82498 | 46.85037 | 12.97893 | 25.67107 | 47.67124 | 13.7998 | 25.5502 | 40.5293 | 6.65786 | 23.15214 | 44.65232 | 10.78088 | 55.42912 |
| 8/8/2025 | 3:00:00 AM | 33.86475 | 59.77289 | 25.90814 | 21.82186 | 46.85708 | 12.99233 | 25.65767 | 47.66767 | 13.80292 | 25.54708 | 40.52215 | 6.6574 | 23.1526 | 44.64875 | 10.784 | 55.426 |
| 8/8/2025 | 4:00:00 AM | 33.86475 | 59.76575 | 25.901 | 21.829 | 46.85708 | 12.99233 | 25.65767 | 47.65697 | 13.79222 | 25.55778 | 40.52573 | 6.66098 | 23.14902 | 44.6416 | 10.77685 | 55.43315 |
| 8/8/2025 | 5:00:00 AM | 33.85472 | 59.76575 | 25.91103 | 21.81897 | 46.87049 | 13.01577 | 25.63423 | 47.66054 | 13.80582 | 25.54418 | 40.52573 | 6.67101 | 23.13899 | 44.6416 | 10.78688 | 55.42312 |
| 8/8/2025 | 6:00:00 AM | 33.85472 | 59.76218 | 25.90746 | 21.82254 | 46.87385 | 13.01913 | 25.63087 | 47.65341 | 13.79869 | 25.55131 | 40.51857 | 6.66385 | 23.14615 | 44.64875 | 10.79403 | 55.41597 |
| 8/8/2025 | 7:00:00 AM | 33.86475 | 59.76932 | 25.90457 | 21.82543 | 46.88726 | 13.02251 | 25.62749 | 47.66054 | 13.79579 | 25.55421 | 40.5293 | 6.66455 | 23.14545 | 44.6559 | 10.79115 | 55.41885 |
| 8/8/2025 | 8:00:00 AM | 33.86475 | 59.77646 | 25.91171 | 21.81829 | 46.89732 | 13.03257 | 25.61743 | 47.66054 | 13.79579 | 25.55421 | 40.52573 | 6.66098 | 23.14902 | 44.65947 | 10.79472 | 55.41528 |
| 8/8/2025 | 9:00:00 AM | 33.86475 | 59.77646 | 25.91171 | 21.81829 | 46.90068 | 13.03593 | 25.61407 | 47.66767 | 13.80292 | 25.54708 | 40.52215 | 6.6574 | 23.1526 | 44.65947 | 10.79472 | 55.41528 |
| 8/8/2025 | 10:00:00 AM | 33.8614 | 59.7836 | 25.9222 | 21.8078 | 46.90403 | 13.04263 | 25.60737 | 47.66411 | 13.80271 | 25.54729 | 40.51857 | 6.65717 | 23.15283 | 44.6559 | 10.7945 | 55.4155 |
| 8/8/2025 | 11:00:00 AM | 33.85472 | 59.76218 | 25.90746 | 21.82254 | 46.89062 | 13.0359 | 25.6141 | 47.64984 | 13.79512 | 25.55488 | 40.51141 | 6.65669 | 23.15331 | 44.64518 | 10.79046 | 55.41954 |
| 8/8/2025 | 12:00:00 PM | 33.84134 | 59.75147 | 25.91013 | 21.81987 | 46.8772 | 13.03586 | 25.61414 | 47.63558 | 13.79424 | 25.55576 | 40.4971 | 6.65576 | 23.15424 | 44.63445 | 10.79311 | 55.41689 |
| 8/8/2025 | 1:00:00 PM | 33.81124 | 59.73004 | 25.9188 | 21.8112 | 46.84366 | 13.03242 | 25.61758 | 47.62132 | 13.81008 | 25.53992 | 40.48995 | 6.67871 | 23.13129 | 44.62016 | 10.80892 | 55.40108 |
| 8/8/2025 | 2:00:00 PM | 33.81124 | 59.7229 | 25.91166 | 21.81834 | 46.81683 | 13.00559 | 25.64441 | 47.60706 | 13.79582 | 25.55418 | 40.48637 | 6.67513 | 23.13487 | 44.60944 | 10.7982 | 55.4118 |
| 8/8/2025 | 3:00:00 PM | 33.80121 | 59.71576 | 25.91455 | 21.81545 | 46.78329 | 12.98208 | 25.66792 | 47.5928 | 13.79159 | 25.55841 | 40.48279 | 6.68158 | 23.12842 | 44.62016 | 10.81895 | 55.39105 |
| 8/8/2025 | 4:00:00 PM | 33.78784 | 59.70862 | 25.92078 | 21.80922 | 46.74975 | 12.96191 | 25.68809 | 47.58923 | 13.80139 | 25.54861 | 40.47921 | 6.69137 | 23.11863 | 44.61301 | 10.82517 | 55.38483 |
| 8/8/2025 | 5:00:00 PM | 33.7778 | 59.70504 | 25.92724 | 21.80276 | 46.71622 | 12.93842 | 25.71158 | 47.57854 | 13.80074 | 25.54926 | 40.4649 | 6.6871 | 23.1229 | 44.62016 | 10.84236 | 55.36764 |
| 8/8/2025 | 6:00:00 PM | 33.78449 | 59.70147 | 25.91698 | 21.81302 | 46.68603 | 12.90154 | 25.74846 | 47.57854 | 13.79405 | 25.55595 | 40.4649 | 6.68041 | 23.12959 | 44.62731 | 10.84282 | 55.36718 |
| 8/8/2025 | 7:00:00 PM | 33.78784 | 59.69433 | 25.90649 | 21.82351 | 46.66591 | 12.87807 | 25.77193 | 47.57854 | 13.7907 | 25.5593 | 40.46133 | 6.67349 | 23.13651 | 44.63088 | 10.84304 | 55.36696 |
| 8/8/2025 | 8:00:00 PM | 33.80456 | 59.70862 | 25.90406 | 21.82594 | 46.65585 | 12.85129 | 25.79871 | 47.5821 | 13.77754 | 25.57246 | 40.47206 | 6.6675 | 23.1425 | 44.65232 | 10.84776 | 55.36224 |
| 8/8/2025 | 9:00:00 PM | 33.80456 | 59.70862 | 25.90406 | 21.82594 | 46.64914 | 12.84458 | 25.80542 | 47.58567 | 13.78111 | 25.56889 | 40.47206 | 6.6675 | 23.1425 | 44.65232 | 10.84776 | 55.36224 |
| 8/8/2025 | 10:00:00 PM | 33.81124 | 59.70147 | 25.89023 | 21.83977 | 46.65585 | 12.84461 | 25.80539 | 47.5821 | 13.77086 | 25.57914 | 40.46848 | 6.65724 | 23.15276 | 44.6416 | 10.83036 | 55.37964 |
| 8/8/2025 | 11:00:00 PM | 33.82128 | 59.71219 | 25.89091 | 21.83909 | 46.67261 | 12.85133 | 25.79867 | 47.58567 | 13.76439 | 25.58561 | 40.47921 | 6.65793 | 23.15207 | 44.6416 | 10.82032 | 55.38968 |
| 8/9/2025 | 12:00:00 AM | 33.81793 | 59.70504 | 25.88711 | 21.84289 | 46.67932 | 12.86139 | 25.78861 | 47.57854 | 13.76061 | 25.58939 | 40.46848 | 6.65055 | 23.15945 | 44.6416 | 10.82367 | 55.38633 |
| 8/9/2025 | 1:00:00 AM | 33.81124 | 59.70862 | 25.89738 | 21.83262 | 46.69609 | 12.88485 | 25.76515 | 47.57497 | 13.76373 | 25.58627 | 40.4649 | 6.65366 | 23.15634 | 44.63445 | 10.82321 | 55.38679 |
| 8/9/2025 | 2:00:00 AM | 33.81459 | 59.70862 | 25.89403 | 21.83597 | 46.70615 | 12.89156 | 25.75844 | 47.57497 | 13.76038 | 25.58962 | 40.46848 | 6.65389 | 23.15611 | 44.63803 | 10.82344 | 55.38656 |
| 8/9/2025 | 3:00:00 AM | 33.80121 | 59.70862 | 25.90741 | 21.82259 | 46.71286 | 12.91165 | 25.73835 | 47.56784 | 13.76663 | 25.58337 | 40.46133 | 6.66012 | 23.14988 | 44.62731 | 10.8261 | 55.3839 |
| 8/9/2025 | 4:00:00 AM | 33.80121 | 59.70504 | 25.90383 | 21.82617 | 46.71957 | 12.91836 | 25.73164 | 47.56428 | 13.76307 | 25.58693 | 40.46133 | 6.66012 | 23.14988 | 44.62731 | 10.8261 | 55.3839 |
| 8/9/2025 | 5:00:00 AM | 33.79787 | 59.70862 | 25.91075 | 21.81925 | 46.73298 | 12.93511 | 25.71489 | 47.56071 | 13.76284 | 25.58716 | 40.46133 | 6.66346 | 23.14654 | 44.63088 | 10.83301 | 55.37699 |
| 8/9/2025 | 6:00:00 AM | 33.80456 | 59.70147 | 25.89691 | 21.83309 | 46.73969 | 12.93513 | 25.71487 | 47.56428 | 13.75972 | 25.59028 | 40.46133 | 6.65677 | 23.15323 | 44.63088 | 10.82632 | 55.38368 |
| 8/9/2025 | 7:00:00 AM | 33.82128 | 59.72647 | 25.90519 | 21.82481 | 46.76317 | 12.94189 | 25.70811 | 47.57854 | 13.75726 | 25.59274 | 40.46848 | 6.6472 | 23.1628 | 44.6416 | 10.82032 | 55.38968 |
| 8/9/2025 | 8:00:00 AM | 33.83131 | 59.73361 | 25.9023 | 21.8277 | 46.78665 | 12.95534 | 25.69466 | 47.60706 | 13.77575 | 25.57425 | 40.47921 | 6.6479 | 23.1621 | 44.65947 | 10.82816 | 55.38184 |
| 8/9/2025 | 9:00:00 AM | 33.838 | 59.74075 | 25.90275 | 21.82725 | 46.79335 | 12.95535 | 25.69465 | 47.5928 | 13.7548 | 25.5952 | 40.47564 | 6.63764 | 23.17236 | 44.65232 | 10.81432 | 55.39568 |
| 8/9/2025 | 10:00:00 AM | 33.82462 | 59.72647 | 25.90185 | 21.82815 | 46.79335 | 12.96873 | 25.68127 | 47.5821 | 13.75748 | 25.59252 | 40.47206 | 6.64744 | 23.16256 | 44.63088 | 10.80626 | 55.40374 |
| 8/9/2025 | 11:00:00 AM | 33.82128 | 59.70504 | 25.90876 | 21.82124 | 46.79335 | 12.97207 | 25.67793 | 47.58923 | 13.76795 | 25.58205 | 40.4649 | 6.64362 | 23.16638 | 44.63088 | 10.8096 | 55.4004 |
| 8/9/2025 | 12:00:00 PM | 33.82462 | 59.71933 | 25.89471 | 21.83529 | 46.78665 | 12.96203 | 25.68797 | 47.5928 | 13.76818 | 25.58182 | 40.46848 | 6.64386 | 23.16614 | 44.63088 | 10.80626 | 55.40374 |
| 8/9/2025 | 1:00:00 PM | 33.8079 | 59.71219 | 25.90429 | 21.82571 | 46.76988 | 12.96198 | 25.68802 | 47.57854 | 13.77064 | 25.57936 | 40.4649 | 6.657 | 23.153 | 44.62373 | 10.81583 | 55.39417 |
| 8/9/2025 | 2:00:00 PM | 33.79787 | 59.70504 | 25.90717 | 21.82283 | 46.7464 | 12.94853 | 25.70147 | 47.56071 | 13.76284 | 25.58716 | 40.45775 | 6.65988 | 23.15012 | 44.61301 | 10.81514 | 55.39486 |
| 8/9/2025 | 3:00:00 PM | 33.79118 | 59.69433 | 25.90315 | 21.82685 | 46.70615 | 12.91497 | 25.73503 | 47.55715 | 13.76597 | 25.58403 | 40.45417 | 6.66299 | 23.14701 | 44.60586 | 10.81468 | 55.39532 |
| 8/9/2025 | 4:00:00 PM | 33.7778 | 59.68005 | 25.90225 | 21.82775 | 46.66255 | 12.88475 | 25.76525 | 47.53932 | 13.76152 | 25.58848 | 40.43986 | 6.66206 | 23.14794 | 44.59514 | 10.81734 | 55.39266 |
| 8/9/2025 | 5:00:00 PM | 33.77446 | 59.66219 | 25.88773 | 21.84227 | 46.62901 | 12.85455 | 25.79545 | 47.52862 | 13.75416 | 25.59584 | 40.43628 | 6.66182 | 23.14818 | 44.59871 | 10.82425 | 55.38575 |
| 8/9/2025 | 6:00:00 PM | 33.77446 | 59.66219 | 25.88773 | 21.84227 | 46.59212 | 12.81766 | 25.83234 | 47.52506 | 13.7506 | 25.5994 | 40.43986 | 6.6654 | 23.1446 | 44.61301 | 10.83855 | 55.37145 |
| 8/9/2025 | 7:00:00 PM | 33.76443 | 59.66576 | 25.90133 | 21.82867 | 46.56864 | 12.80421 | 25.84579 | 47.52862 | 13.76419 | 25.58581 | 40.43628 | 6.67185 | 23.13815 | 44.60944 | 10.84501 | 55.36499 |
| 8/9/2025 | 8:00:00 PM | 33.77112 | 59.65862 | 25.8875 | 21.8425 | 46.54517 | 12.77405 | 25.87595 | 47.52862 | 13.7575 | 25.5925 | 40.43628 | 6.66516 | 23.14484 | 44.62016 | 10.84904 | 55.36096 |
| 8/9/2025 | 9:00:00 PM | 33.78115 | 59.66219 | 25.88104 | 21.84896 | 46.54181 | 12.76066 | 25.88934 | 47.52506 | 13.74391 | 25.60609 | 40.44344 | 6.66229 | 23.14771 | 44.63088 | 10.84973 | 55.36027 |
| 8/9/2025 | 10:00:00 PM | 33.79787 | 59.67648 | 25.87861 | 21.85139 | 46.54181 | 12.74394 | 25.90606 | 47.53932 | 13.74145 | 25.60855 | 40.44701 | 6.64914 | 23.16086 | 44.63803 | 10.84016 | 55.36984 |
| 8/9/2025 | 11:00:00 PM | 33.81124 | 59.69076 | 25.87952 | 21.85048 | 46.55523 | 12.74399 | 25.90601 | 47.54645 | 13.73521 | 25.61479 | 40.45059 | 6.63935 | 23.17065 | 44.6416 | 10.83036 | 55.37964 |
| 8/10/2025 | 12:00:00 AM | 33.81124 | 59.68719 | 25.87595 | 21.85405 | 46.57535 | 12.76411 | 25.88589 | 47.54289 | 13.73165 | 25.61835 | 40.45059 | 6.63935 | 23.17065 | 44.6416 | 10.83036 | 55.37964 |
| 8/10/2025 | 1:00:00 AM | 33.81793 | 59.69433 | 25.8764 | 21.8536 | 46.59212 | 12.77419 | 25.87581 | 47.53932 | 13.72139 | 25.62861 | 40.45059 | 6.63266 | 23.17734 | 44.6416 | 10.82367 | 55.38633 |
| 8/10/2025 | 2:00:00 AM | 33.81459 | 59.68719 | 25.8726 | 21.8574 | 46.60218 | 12.78759 | 25.86241 | 47.53219 | 13.7176 | 25.6324 | 40.45417 | 6.63958 | 23.17042 | 44.63088 | 10.81629 | 55.39371 |
| 8/10/2025 | 3:00:00 AM | 33.81124 | 59.69076 | 25.87952 | 21.85048 | 46.6156 | 12.80436 | 25.84564 | 47.52506 | 13.71382 | 25.63618 | 40.45059 | 6.63935 | 23.17065 | 44.63088 | 10.81964 | 55.39036 |
| 8/10/2025 | 4:00:00 AM | 33.8079 | 59.69076 | 25.88286 | 21.84714 | 46.62566 | 12.81776 | 25.83224 | 47.53219 | 13.72429 | 25.62571 | 40.44701 | 6.63911 | 23.17089 | 44.62016 | 10.81226 | 55.39774 |
| 8/10/2025 | 5:00:00 AM | 33.80456 | 59.68719 | 25.88263 | 21.84737 | 46.63572 | 12.83116 | 25.81884 | 47.52506 | 13.7205 | 25.6295 | 40.45059 | 6.64603 | 23.16397 | 44.62373 | 10.81917 | 55.39083 |
| 8/10/2025 | 6:00:00 AM | 33.81459 | 59.6979 | 25.88331 | 21.84669 | 46.6592 | 12.84461 | 25.80539 | 47.53932 | 13.72473 | 25.62527 | 40.45775 | 6.64316 | 23.16684 | 44.62731 | 10.81272 | 55.39728 |
| 8/10/2025 | 7:00:00 AM | 33.82796 | 59.70862 | 25.88066 | 21.84934 | 46.68603 | 12.85807 | 25.79193 | 47.55002 | 13.72206 | 25.62794 | 40.45775 | 6.62979 | 23.18021 | 44.63803 | 10.81007 | 55.39993 |
| 8/10/2025 | 8:00:00 AM | 33.83465 | 59.71219 | 25.87754 | 21.85246 | 46.69945 | 12.8648 | 25.7852 | 47.55715 | 13.7225 | 25.6275 | 40.46848 | 6.63383 | 23.17617 | 44.64518 | 10.81053 | 55.39947 |
| 8/10/2025 | 9:00:00 AM | 33.82462 | 59.71576 | 25.89114 | 21.83886 | 46.70951 | 12.88489 | 25.76511 | 47.55715 | 13.73253 | 25.61747 | 40.45775 | 6.63313 | 23.17687 | 44.63803 | 10.81341 | 55.39659 |
| 8/10/2025 | 10:00:00 AM | 33.82128 | 59.70862 | 25.88734 | 21.84266 | 46.70951 | 12.88823 | 25.76177 | 47.55358 | 13.7323 | 25.6177 | 40.45775 | 6.63647 | 23.17353 | 44.63445 | 10.81317 | 55.39683 |
| 8/10/2025 | 11:00:00 AM | 33.81124 | 59.70504 | 25.8938 | 21.8362 | 46.70951 | 12.89827 | 25.75173 | 47.54645 | 13.73521 | 25.61479 | 40.45417 | 6.64293 | 23.16707 | 44.61658 | 10.80534 | 55.40466 |
| 8/10/2025 | 12:00:00 PM | 33.8079 | 59.69433 | 25.88643 | 21.84357 | 46.68603 | 12.87813 | 25.77187 | 47.53932 | 13.73142 | 25.61858 | 40.45059 | 6.64269 | 23.16731 | 44.60229 | 10.79439 | 55.41561 |
| 8/10/2025 | 1:00:00 PM | 33.78784 | 59.66576 | 25.87792 | 21.85208 | 46.6592 | 12.87136 | 25.77864 | 47.52506 | 13.73722 | 25.61278 | 40.43986 | 6.65202 | 23.15798 | 44.60586 | 10.81802 | 55.39198 |
| 8/10/2025 | 2:00:00 PM | 33.7778 | 59.65505 | 25.87725 | 21.85275 | 46.63908 | 12.86128 | 25.78872 | 47.50723 | 13.72943 | 25.62057 | 40.4327 | 6.6549 | 23.1551 | 44.59871 | 10.82091 | 55.38909 |
| 8/10/2025 | 3:00:00 PM | 33.75105 | 59.64434 | 25.89329 | 21.83671 | 46.58877 | 12.83772 | 25.81228 | 47.48584 | 13.73479 | 25.61521 | 40.42197 | 6.67092 | 23.13908 | 44.57727 | 10.82622 | 55.38378 |
| 8/10/2025 | 4:00:00 PM | 33.74771 | 59.62649 | 25.87878 | 21.85122 | 46.53846 | 12.79075 | 25.85925 | 47.47515 | 13.72744 | 25.62256 | 40.4005 | 6.65279 | 23.15721 | 44.57012 | 10.82241 | 55.38759 |
| 8/10/2025 | 5:00:00 PM | 33.7243 | 59.60506 | 25.88076 | 21.84924 | 46.49151 | 12.76721 | 25.88279 | 47.45019 | 13.72589 | 25.62411 | 40.38977 | 6.66547 | 23.14453 | 44.5594 | 10.8351 | 55.3749 |
| 8/10/2025 | 6:00:00 PM | 33.71092 | 59.59078 | 25.87986 | 21.85014 | 46.45126 | 12.74034 | 25.90966 | 47.43593 | 13.72501 | 25.62499 | 40.38261 | 6.67169 | 23.13831 | 44.57012 | 10.8592 | 55.3508 |
| 8/10/2025 | 7:00:00 PM | 33.69086 | 59.57649 | 25.88563 | 21.84437 | 46.40095 | 12.71009 | 25.93991 | 47.41097 | 13.72011 | 25.62989 | 40.37188 | 6.68102 | 23.12898 | 44.55583 | 10.86497 | 55.34503 |
| 8/10/2025 | 8:00:00 PM | 33.69086 | 59.57292 | 25.88206 | 21.84794 | 46.37412 | 12.68326 | 25.96674 | 47.40741 | 13.71655 | 25.63345 | 40.3683 | 6.67744 | 23.13256 | 44.56298 | 10.87212 | 55.33788 |
| 8/10/2025 | 9:00:00 PM | 33.70089 | 59.58363 | 25.88274 | 21.84726 | 46.3607 | 12.65981 | 25.99019 | 47.41097 | 13.71008 | 25.63992 | 40.37546 | 6.67457 | 23.13543 | 44.57727 | 10.87638 | 55.33362 |
| 8/10/2025 | 10:00:00 PM | 33.68417 | 59.56221 | 25.87804 | 21.85196 | 46.33387 | 12.6497 | 26.0003 | 47.39314 | 13.70897 | 25.64103 | 40.35757 | 6.6734 | 23.1366 | 44.5594 | 10.87523 | 55.33477 |
| 8/10/2025 | 11:00:00 PM | 33.68752 | 59.56935 | 25.88183 | 21.84817 | 46.33723 | 12.64971 | 26.00029 | 47.38245 | 13.69493 | 25.65507 | 40.35041 | 6.66289 | 23.14711 | 44.57012 | 10.8826 | 55.3274 |
| 8/11/2025 | 12:00:00 AM | 33.68417 | 59.56578 | 25.88161 | 21.84839 | 46.33723 | 12.65306 | 25.99694 | 47.37888 | 13.69471 | 25.65529 | 40.35041 | 6.66624 | 23.14376 | 44.5594 | 10.87523 | 55.33477 |
| 8/11/2025 | 1:00:00 AM | 33.69755 | 59.58006 | 25.88251 | 21.84749 | 46.37077 | 12.67322 | 25.97678 | 47.39314 | 13.69559 | 25.65441 | 40.35399 | 6.65644 | 23.15356 | 44.57012 | 10.87257 | 55.33743 |
| 8/11/2025 | 2:00:00 AM | 33.6942 | 59.56935 | 25.87515 | 21.85485 | 46.37077 | 12.67657 | 25.97343 | 47.38245 | 13.68825 | 25.66175 | 40.33968 | 6.64548 | 23.16452 | 44.55583 | 10.86163 | 55.34837 |
| 8/11/2025 | 3:00:00 AM | 33.67748 | 59.56935 | 25.89187 | 21.83813 | 46.38418 | 12.7067 | 25.9433 | 47.36819 | 13.69071 | 25.65929 | 40.33252 | 6.65504 | 23.15496 | 44.54868 | 10.8712 | 55.3388 |
| 8/11/2025 | 4:00:00 AM | 33.6708 | 59.55864 | 25.88784 | 21.84216 | 46.4043 | 12.7335 | 25.9165 | 47.36819 | 13.69739 | 25.65261 | 40.33252 | 6.66172 | 23.14828 | 44.54868 | 10.87788 | 55.33212 |
| 8/11/2025 | 5:00:00 AM | 33.65408 | 59.5515 | 25.89742 | 21.83258 | 46.40095 | 12.74687 | 25.90313 | 47.35036 | 13.69628 | 25.65372 | 40.32537 | 6.67129 | 23.13871 | 44.53796 | 10.88388 | 55.32612 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/11/2025 | 6:00:00 AM | 33.66411 | 59.55864 | 25.89453 | 21.83547 | 46.42778 | 12.76367 | 25.88633 | 47.36106 | 13.69695 | 25.65305 | 40.32179 | 6.65768 | 23.15232 | 44.54511 | 10.881 | 55.329 |
| 8/11/2025 | 7:00:00 AM | 33.67414 | 59.56935 | 25.89521 | 21.83479 | 46.44455 | 12.77041 | 25.87959 | 47.36819 | 13.69405 | 25.65595 | 40.32537 | 6.65123 | 23.15877 | 44.54511 | 10.87097 | 55.33903 |
| 8/11/2025 | 8:00:00 AM | 33.68417 | 59.58006 | 25.89589 | 21.83411 | 46.46803 | 12.78386 | 25.86614 | 47.38245 | 13.69828 | 25.65172 | 40.33252 | 6.64835 | 23.16165 | 44.56298 | 10.87881 | 55.33119 |
| 8/11/2025 | 9:00:00 AM | 33.69086 | 59.58006 | 25.8892 | 21.8408 | 46.48815 | 12.79729 | 25.85271 | 47.38601 | 13.69515 | 25.65485 | 40.32895 | 6.63809 | 23.17191 | 44.56298 | 10.87212 | 55.33788 |
| 8/11/2025 | 10:00:00 AM | 33.67414 | 59.56935 | 25.89521 | 21.83479 | 46.48144 | 12.8073 | 25.8427 | 47.37175 | 13.69761 | 25.65239 | 40.31821 | 6.64407 | 23.16593 | 44.54868 | 10.87454 | 55.33546 |
| 8/11/2025 | 11:00:00 AM | 33.66745 | 59.56221 | 25.89476 | 21.83524 | 46.4848 | 12.81735 | 25.83265 | 47.38245 | 13.715 | 25.635 | 40.31106 | 6.64361 | 23.16639 | 44.54153 | 10.87408 | 55.33592 |
| 8/11/2025 | 12:00:00 PM | 33.66076 | 59.54078 | 25.88002 | 21.84998 | 46.47138 | 12.81062 | 25.83938 | 47.36106 | 13.7003 | 25.6497 | 40.3039 | 6.64314 | 23.16686 | 44.52724 | 10.86648 | 55.34352 |
| 8/11/2025 | 1:00:00 PM | 33.63736 | 59.53007 | 25.89271 | 21.83729 | 46.43449 | 12.79713 | 25.85287 | 47.3361 | 13.69874 | 25.65126 | 40.28959 | 6.65223 | 23.15777 | 44.50579 | 10.86843 | 55.34157 |
| 8/11/2025 | 2:00:00 PM | 33.62732 | 59.51579 | 25.88847 | 21.84153 | 46.40095 | 12.77363 | 25.87637 | 47.33253 | 13.70521 | 25.64479 | 40.28244 | 6.65512 | 23.15488 | 44.50222 | 10.8749 | 55.3351 |
| 8/11/2025 | 3:00:00 PM | 33.61395 | 59.49436 | 25.88041 | 21.84959 | 46.36406 | 12.75011 | 25.89989 | 47.31827 | 13.70432 | 25.64568 | 40.27528 | 6.66133 | 23.14867 | 44.48078 | 10.86683 | 55.34317 |
| 8/11/2025 | 4:00:00 PM | 33.60057 | 59.48365 | 25.88308 | 21.84692 | 46.31375 | 12.71318 | 25.93682 | 47.29688 | 13.69631 | 25.65369 | 40.25739 | 6.65682 | 23.15318 | 44.48435 | 10.88378 | 55.32622 |
| 8/11/2025 | 5:00:00 PM | 33.58051 | 59.47294 | 25.89243 | 21.83757 | 46.2668 | 12.68629 | 25.96371 | 47.27549 | 13.69498 | 25.65502 | 40.25024 | 6.66973 | 23.14027 | 44.48078 | 10.90027 | 55.30973 |
| 8/11/2025 | 6:00:00 PM | 33.56379 | 59.44794 | 25.88415 | 21.84585 | 46.21649 | 12.6527 | 25.9973 | 47.25766 | 13.69387 | 25.65613 | 40.2395 | 6.67571 | 23.13429 | 44.47005 | 10.90626 | 55.30374 |
| 8/11/2025 | 7:00:00 PM | 33.55041 | 59.43366 | 25.88325 | 21.84675 | 46.17624 | 12.62583 | 26.02417 | 47.2434 | 13.69299 | 25.65701 | 40.22877 | 6.67836 | 23.13164 | 44.45933 | 10.90892 | 55.30108 |
| 8/11/2025 | 8:00:00 PM | 33.55041 | 59.43723 | 25.88682 | 21.84318 | 46.13935 | 12.58894 | 26.06106 | 47.23271 | 13.6823 | 25.6677 | 40.22877 | 6.67836 | 23.13164 | 44.46291 | 10.9125 | 55.2975 |
| 8/11/2025 | 9:00:00 PM | 33.55376 | 59.43009 | 25.87633 | 21.85367 | 46.12258 | 12.56882 | 26.08118 | 47.23271 | 13.67895 | 25.67105 | 40.22161 | 6.66785 | 23.14215 | 44.47363 | 10.91987 | 55.29013 |
| 8/11/2025 | 10:00:00 PM | 33.56379 | 59.42652 | 25.86273 | 21.86727 | 46.11252 | 12.54873 | 26.10127 | 47.23271 | 13.66892 | 25.68108 | 40.21446 | 6.65067 | 23.15933 | 44.4772 | 10.91341 | 55.29659 |
| 8/11/2025 | 11:00:00 PM | 33.56379 | 59.43723 | 25.87344 | 21.85656 | 46.10916 | 12.54537 | 26.10463 | 47.22914 | 13.66535 | 25.68465 | 40.21088 | 6.64709 | 23.16291 | 44.46291 | 10.89912 | 55.31088 |
| 8/12/2025 | 12:00:00 AM | 33.55041 | 59.42652 | 25.87611 | 21.85389 | 46.11922 | 12.56881 | 26.08119 | 47.21845 | 13.66804 | 25.68196 | 40.20372 | 6.65331 | 23.15669 | 44.46291 | 10.9125 | 55.2975 |
| 8/12/2025 | 1:00:00 AM | 33.54707 | 59.41937 | 25.8723 | 21.8577 | 46.13264 | 12.58557 | 26.06443 | 47.21488 | 13.66781 | 25.68219 | 40.19299 | 6.64592 | 23.16408 | 44.46648 | 10.91941 | 55.29059 |
| 8/12/2025 | 2:00:00 AM | 33.53704 | 59.41937 | 25.88233 | 21.84767 | 46.13935 | 12.60231 | 26.04769 | 47.20419 | 13.66715 | 25.68285 | 40.19299 | 6.65595 | 23.15405 | 44.45576 | 10.91872 | 55.29128 |
| 8/12/2025 | 3:00:00 AM | 33.53035 | 59.40866 | 25.87831 | 21.85169 | 46.15947 | 12.62912 | 26.02088 | 47.19349 | 13.66314 | 25.68686 | 40.18583 | 6.65548 | 23.15452 | 44.43789 | 10.90754 | 55.30246 |
| 8/12/2025 | 4:00:00 AM | 33.53704 | 59.41937 | 25.88233 | 21.84767 | 46.17959 | 12.64255 | 26.00745 | 47.19349 | 13.65645 | 25.69355 | 40.18941 | 6.65237 | 23.15763 | 44.44861 | 10.91157 | 55.29843 |
| 8/12/2025 | 5:00:00 AM | 33.54038 | 59.41937 | 25.87899 | 21.85101 | 46.19972 | 12.65934 | 25.99066 | 47.19705 | 13.65667 | 25.69333 | 40.18941 | 6.64903 | 23.16097 | 44.45218 | 10.9118 | 55.2982 |
| 8/12/2025 | 6:00:00 AM | 33.53704 | 59.42295 | 25.88591 | 21.84409 | 46.21984 | 12.6828 | 25.9672 | 47.20419 | 13.66715 | 25.68285 | 40.18583 | 6.64879 | 23.16121 | 44.44861 | 10.91157 | 55.29843 |
| 8/12/2025 | 7:00:00 AM | 33.54707 | 59.43009 | 25.88302 | 21.84698 | 46.25003 | 12.70296 | 25.94704 | 47.21488 | 13.66781 | 25.68219 | 40.18226 | 6.63519 | 23.17481 | 44.44504 | 10.89797 | 55.31203 |
| 8/12/2025 | 8:00:00 AM | 33.55041 | 59.43723 | 25.88682 | 21.84318 | 46.2735 | 12.72309 | 25.92691 | 47.21845 | 13.66804 | 25.68196 | 40.18941 | 6.639 | 23.171 | 44.45933 | 10.90892 | 55.30108 |
| 8/12/2025 | 9:00:00 AM | 33.54707 | 59.43366 | 25.88659 | 21.84341 | 46.27686 | 12.72979 | 25.92021 | 47.21488 | 13.66781 | 25.68219 | 40.18583 | 6.63876 | 23.17124 | 44.45218 | 10.90511 | 55.30489 |
| 8/12/2025 | 10:00:00 AM | 33.54372 | 59.42295 | 25.87923 | 21.85077 | 46.28692 | 12.7432 | 25.9068 | 47.21132 | 13.6676 | 25.6824 | 40.17868 | 6.63496 | 23.17504 | 44.44146 | 10.89774 | 55.31226 |
| 8/12/2025 | 11:00:00 AM | 33.53704 | 59.42295 | 25.88591 | 21.84409 | 46.29027 | 12.75323 | 25.89677 | 47.20419 | 13.66715 | 25.68285 | 40.17868 | 6.64164 | 23.16836 | 44.43074 | 10.8937 | 55.3163 |
| 8/12/2025 | 12:00:00 PM | 33.53035 | 59.4158 | 25.88545 | 21.84455 | 46.27015 | 12.7398 | 25.9102 | 47.20062 | 13.67027 | 25.67973 | 40.16437 | 6.63402 | 23.17598 | 44.42002 | 10.88967 | 55.32033 |
| 8/12/2025 | 1:00:00 PM | 33.50694 | 59.38724 | 25.8803 | 21.8497 | 46.23996 | 12.73302 | 25.91698 | 47.18279 | 13.67585 | 25.67415 | 40.15721 | 6.65027 | 23.15973 | 44.40572 | 10.89878 | 55.31122 |
| 8/12/2025 | 2:00:00 PM | 33.5036 | 59.37652 | 25.87292 | 21.85708 | 46.20643 | 12.70283 | 25.94717 | 47.16853 | 13.66493 | 25.68507 | 40.1429 | 6.6393 | 23.1707 | 44.40215 | 10.89855 | 55.31145 |
| 8/12/2025 | 3:00:00 PM | 33.48353 | 59.35867 | 25.87514 | 21.85486 | 46.16282 | 12.67929 | 25.97071 | 47.1614 | 13.67787 | 25.67213 | 40.13932 | 6.65579 | 23.15421 | 44.38785 | 10.90432 | 55.30568 |
| 8/12/2025 | 4:00:00 PM | 33.46012 | 59.34439 | 25.88427 | 21.84573 | 46.11587 | 12.65575 | 25.99425 | 47.12931 | 13.66919 | 25.68081 | 40.12143 | 6.66131 | 23.14869 | 44.37356 | 10.91344 | 55.29656 |
| 8/12/2025 | 5:00:00 PM | 33.4434 | 59.30868 | 25.86528 | 21.86472 | 46.06221 | 12.61881 | 26.03119 | 47.11149 | 13.66809 | 25.68191 | 40.09997 | 6.65657 | 23.15343 | 44.36641 | 10.92301 | 55.28699 |
| 8/12/2025 | 6:00:00 PM | 33.42668 | 59.29796 | 25.87128 | 21.85872 | 46.00855 | 12.58187 | 26.06813 | 47.09723 | 13.67055 | 25.67945 | 40.09281 | 6.66613 | 23.14387 | 44.35212 | 10.92544 | 55.28456 |
| 8/12/2025 | 7:00:00 PM | 33.42 | 59.29082 | 25.87082 | 21.85918 | 45.95824 | 12.53824 | 26.11176 | 47.07227 | 13.65227 | 25.69773 | 40.08566 | 6.66566 | 23.14434 | 44.34854 | 10.92854 | 55.28146 |
| 8/12/2025 | 8:00:00 PM | 33.40996 | 59.27654 | 25.86658 | 21.86342 | 45.92805 | 12.51809 | 26.13191 | 47.06157 | 13.65161 | 25.69839 | 40.07492 | 6.66496 | 23.14504 | 44.34854 | 10.93858 | 55.27142 |
| 8/12/2025 | 9:00:00 PM | 33.42 | 59.27297 | 25.85297 | 21.87703 | 45.90793 | 12.48793 | 26.16207 | 47.0687 | 13.6487 | 25.7013 | 40.07492 | 6.65492 | 23.15508 | 44.36641 | 10.94641 | 55.26359 |
| 8/12/2025 | 10:00:00 PM | 33.41665 | 59.28011 | 25.86346 | 21.86654 | 45.89451 | 12.47786 | 26.17214 | 47.05801 | 13.64136 | 25.70864 | 40.06777 | 6.65112 | 23.15888 | 44.36641 | 10.94976 | 55.26024 |
| 8/12/2025 | 11:00:00 PM | 33.40662 | 59.28011 | 25.87349 | 21.85651 | 45.89116 | 12.48454 | 26.16546 | 47.05088 | 13.64426 | 25.70574 | 40.06061 | 6.65399 | 23.15601 | 44.35569 | 10.94907 | 55.26093 |
| 8/13/2025 | 12:00:00 AM | 33.41665 | 59.27654 | 25.85989 | 21.87011 | 45.91128 | 12.49463 | 26.15537 | 47.03662 | 13.61997 | 25.73003 | 40.05703 | 6.64038 | 23.16962 | 44.35212 | 10.93547 | 55.27453 |
| 8/13/2025 | 1:00:00 AM | 33.40996 | 59.27654 | 25.86658 | 21.86342 | 45.9247 | 12.51474 | 26.13526 | 47.04375 | 13.63379 | 25.71621 | 40.05703 | 6.64707 | 23.16293 | 44.34854 | 10.93858 | 55.27142 |
| 8/13/2025 | 2:00:00 AM | 33.41331 | 59.27297 | 25.85966 | 21.87034 | 45.93811 | 12.5248 | 26.1252 | 47.04018 | 13.62687 | 25.72313 | 40.0463 | 6.63299 | 23.17701 | 44.34497 | 10.93166 | 55.27834 |
| 8/13/2025 | 3:00:00 AM | 33.41665 | 59.28725 | 25.8706 | 21.8594 | 45.96495 | 12.5483 | 26.1017 | 47.04375 | 13.6271 | 25.7229 | 40.0463 | 6.62965 | 23.18035 | 44.34497 | 10.92832 | 55.28168 |
| 8/13/2025 | 4:00:00 AM | 33.43003 | 59.29082 | 25.86079 | 21.86921 | 46.00184 | 12.57181 | 26.07819 | 47.05801 | 13.62798 | 25.72202 | 40.06419 | 6.63416 | 23.17584 | 44.35926 | 10.92923 | 55.28077 |
| 8/13/2025 | 5:00:00 AM | 33.45009 | 59.31582 | 25.86573 | 21.86427 | 46.03873 | 12.58864 | 26.06136 | 47.07584 | 13.62575 | 25.72425 | 40.06777 | 6.61768 | 23.19232 | 44.37713 | 10.92704 | 55.28296 |
| 8/13/2025 | 6:00:00 AM | 33.46347 | 59.32653 | 25.86306 | 21.86694 | 46.07562 | 12.61215 | 26.03785 | 47.08653 | 13.62306 | 25.72694 | 40.08208 | 6.61861 | 23.19139 | 44.37356 | 10.91009 | 55.29991 |
| 8/13/2025 | 7:00:00 AM | 33.49356 | 59.35153 | 25.85797 | 21.87203 | 46.11922 | 12.62566 | 26.02434 | 47.11862 | 13.62506 | 25.72494 | 40.09639 | 6.60283 | 23.20717 | 44.38428 | 10.89072 | 55.31928 |
| 8/13/2025 | 8:00:00 AM | 33.49356 | 59.35153 | 25.85797 | 21.87203 | 46.13599 | 12.64243 | 26.00757 | 47.12575 | 13.63219 | 25.71781 | 40.09639 | 6.60283 | 23.20717 | 44.38428 | 10.89072 | 55.31928 |
| 8/13/2025 | 9:00:00 AM | 33.49022 | 59.34439 | 25.85417 | 21.87583 | 46.15947 | 12.66925 | 25.98075 | 47.12575 | 13.63553 | 25.71447 | 40.09281 | 6.60259 | 23.20741 | 44.37713 | 10.88691 | 55.32309 |
| 8/13/2025 | 10:00:00 AM | 33.50025 | 59.3551 | 25.85485 | 21.87515 | 46.16953 | 12.66928 | 25.98072 | 47.13288 | 13.63263 | 25.71737 | 40.09281 | 6.59256 | 23.21744 | 44.37356 | 10.87331 | 55.33669 |
| 8/13/2025 | 11:00:00 AM | 33.51028 | 59.36224 | 25.85196 | 21.87804 | 46.19301 | 12.68273 | 25.96727 | 47.14358 | 13.6333 | 25.7167 | 40.10355 | 6.59327 | 23.21673 | 44.37713 | 10.86685 | 55.34315 |
| 8/13/2025 | 12:00:00 PM | 33.51028 | 59.36938 | 25.8591 | 21.8709 | 46.1863 | 12.67602 | 25.97398 | 47.14714 | 13.63686 | 25.71314 | 40.10355 | 6.59327 | 23.21673 | 44.36998 | 10.8597 | 55.3503 |
| 8/13/2025 | 1:00:00 PM | 33.51363 | 59.36224 | 25.84861 | 21.88139 | 46.17959 | 12.66596 | 25.98404 | 47.15784 | 13.64421 | 25.70579 | 40.10355 | 6.58992 | 23.22008 | 44.36284 | 10.84921 | 55.36079 |
| 8/13/2025 | 2:00:00 PM | 33.52366 | 59.36224 | 25.83858 | 21.89142 | 46.17624 | 12.65258 | 25.99742 | 47.15071 | 13.62705 | 25.72295 | 40.11786 | 6.5942 | 23.2158 | 44.36998 | 10.84632 | 55.36368 |
| 8/13/2025 | 3:00:00 PM | 33.51697 | 59.35867 | 25.8417 | 21.8883 | 46.14606 | 12.62909 | 26.02091 | 47.15427 | 13.6373 | 25.7127 | 40.1107 | 6.59373 | 23.21627 | 44.36284 | 10.84587 | 55.36413 |
| 8/13/2025 | 4:00:00 PM | 33.52032 | 59.35153 | 25.83121 | 21.89879 | 46.11252 | 12.5922 | 26.0578 | 47.15071 | 13.63039 | 25.71961 | 40.10712 | 6.5868 | 23.2232 | 44.35569 | 10.83537 | 55.37463 |
| 8/13/2025 | 5:00:00 PM | 33.54038 | 59.36581 | 25.82543 | 21.90457 | 46.09575 | 12.55537 | 26.09463 | 47.1614 | 13.62102 | 25.72898 | 40.12501 | 6.58463 | 23.22537 | 44.37713 | 10.83675 | 55.37325 |
| 8/13/2025 | 6:00:00 PM | 33.53704 | 59.36224 | 25.8252 | 21.9048 | 46.06221 | 12.52517 | 26.12483 | 47.1614 | 13.62436 | 25.72564 | 40.12501 | 6.58797 | 23.22203 | 44.36998 | 10.83294 | 55.37706 |
| 8/13/2025 | 7:00:00 PM | 33.53704 | 59.3551 | 25.81806 | 21.91194 | 46.03873 | 12.50169 | 26.14831 | 47.15427 | 13.61723 | 25.73277 | 40.12501 | 6.58797 | 23.22203 | 44.36998 | 10.83294 | 55.37706 |
| 8/13/2025 | 8:00:00 PM | 33.54372 | 59.35867 | 25.81495 | 21.91505 | 46.01525 | 12.47153 | 26.17847 | 47.15071 | 13.60699 | 25.74301 | 40.13217 | 6.58845 | 23.22155 | 44.36998 | 10.82626 | 55.38374 |
| 8/13/2025 | 9:00:00 PM | 33.55376 | 59.37652 | 25.82276 | 21.90724 | 46.01861 | 12.46485 | 26.18515 | 47.1614 | 13.60764 | 25.74236 | 40.1429 | 6.58914 | 23.22086 | 44.39143 | 10.83767 | 55.37233 |
| 8/13/2025 | 10:00:00 PM | 33.56044 | 59.37652 | 25.81608 | 21.91392 | 46.02532 | 12.46488 | 26.18512 | 47.1614 | 13.60096 | 25.74904 | 40.13932 | 6.57888 | 23.23112 | 44.38071 | 10.82027 | 55.38973 |
| 8/13/2025 | 11:00:00 PM | 33.56379 | 59.38367 | 25.81988 | 21.91012 | 46.03873 | 12.47494 | 26.17506 | 47.16497 | 13.60118 | 25.74882 | 40.14648 | 6.58269 | 23.22731 | 44.38428 | 10.82049 | 55.38951 |
| 8/14/2025 | 12:00:00 AM | 33.58051 | 59.39081 | 25.8103 | 21.9197 | 46.06892 | 12.48841 | 26.16159 | 47.1721 | 13.59159 | 25.75841 | 40.15363 | 6.57312 | 23.23688 | 44.39143 | 10.81092 | 55.39908 |
| 8/14/2025 | 1:00:00 AM | 33.59054 | 59.41223 | 25.82169 | 21.90831 | 46.10581 | 12.51527 | 26.13473 | 47.18279 | 13.59225 | 25.75775 | 40.16795 | 6.57741 | 23.23259 | 44.40572 | 10.81518 | 55.39482 |
| 8/14/2025 | 2:00:00 AM | 33.5872 | 59.40152 | 25.81432 | 21.91568 | 46.11922 | 12.53202 | 26.11798 | 47.18636 | 13.59916 | 25.75084 | 40.16437 | 6.57717 | 23.23283 | 44.39143 | 10.80423 | 55.40577 |
| 8/14/2025 | 3:00:00 AM | 33.59723 | 59.41937 | 25.82214 | 21.90786 | 46.15276 | 12.55553 | 26.09447 | 47.20062 | 13.60339 | 25.74661 | 40.16795 | 6.57072 | 23.23928 | 44.395 | 10.79777 | 55.41223 |
| 8/14/2025 | 4:00:00 AM | 33.60057 | 59.42652 | 25.82595 | 21.90405 | 46.18295 | 12.58238 | 26.06762 | 47.20062 | 13.60005 | 25.74995 | 40.1751 | 6.57453 | 23.23547 | 44.39143 | 10.79086 | 55.41914 |
| 8/14/2025 | 5:00:00 AM | 33.60726 | 59.42652 | 25.81926 | 21.91074 | 46.20978 | 12.60252 | 26.04748 | 47.20775 | 13.60049 | 25.74951 | 40.18226 | 6.575 | 23.235 | 44.40572 | 10.79846 | 55.41154 |
| 8/14/2025 | 6:00:00 AM | 33.61729 | 59.44437 | 25.82708 | 21.90292 | 46.23326 | 12.61597 | 26.03403 | 47.21488 | 13.59759 | 25.75241 | 40.18583 | 6.56854 | 23.24146 | 44.4093 | 10.79201 | 55.41799 |
| 8/14/2025 | 7:00:00 AM | 33.63067 | 59.45508 | 25.82441 | 21.90559 | 46.26009 | 12.62942 | 26.02058 | 47.22558 | 13.59491 | 25.75509 | 40.20015 | 6.56948 | 23.24052 | 44.42002 | 10.78935 | 55.42065 |
| 8/14/2025 | 8:00:00 AM | 33.65073 | 59.48008 | 25.82935 | 21.90065 | 46.29698 | 12.64625 | 26.00375 | 47.2541 | 13.60337 | 25.74663 | 40.22519 | 6.57446 | 23.23554 | 44.43789 | 10.78716 | 55.42284 |
| 8/14/2025 | 9:00:00 AM | 33.65073 | 59.47651 | 25.82578 | 21.90422 | 46.31375 | 12.66302 | 25.98698 | 47.26123 | 13.6105 | 25.7395 | 40.22519 | 6.57446 | 23.23554 | 44.43789 | 10.78716 | 55.42284 |
| 8/14/2025 | 10:00:00 AM | 33.66076 | 59.47651 | 25.81575 | 21.91425 | 46.33723 | 12.67647 | 25.97353 | 47.26479 | 13.60403 | 25.74597 | 40.22877 | 6.56801 | 23.24199 | 44.42717 | 10.76641 | 55.44359 |
| 8/14/2025 | 11:00:00 AM | 33.65073 | 59.48365 | 25.83292 | 21.89708 | 46.34729 | 12.69656 | 25.95344 | 47.27193 | 13.6212 | 25.7288 | 40.22877 | 6.57804 | 23.23196 | 44.44146 | 10.79073 | 55.41927 |
| 8/14/2025 | 12:00:00 PM | 33.6407 | 59.46937 | 25.82867 | 21.90133 | 46.33723 | 12.69653 | 25.95347 | 47.26123 | 13.62053 | 25.72947 | 40.21446 | 6.57376 | 23.23624 | 44.41645 | 10.77575 | 55.43425 |
| 8/14/2025 | 1:00:00 PM | 33.63067 | 59.47294 | 25.84227 | 21.88773 | 46.33052 | 12.69985 | 25.95015 | 47.25053 | 13.61986 | 25.73014 | 40.21088 | 6.58021 | 23.22979 | 44.40215 | 10.77148 | 55.43852 |
| 8/14/2025 | 2:00:00 PM | 33.61395 | 59.44794 | 25.83399 | 21.89601 | 46.30369 | 12.68974 | 25.96026 | 47.23627 | 13.62232 | 25.72768 | 40.2073 | 6.59335 | 23.21665 | 44.39858 | 10.78463 | 55.42537 |
| 8/14/2025 | 3:00:00 PM | 33.57716 | 59.42652 | 25.84936 | 21.88064 | 46.26344 | 12.68628 | 25.96372 | 47.20419 | 13.62703 | 25.72297 | 40.18583 | 6.60867 | 23.20133 | 44.36641 | 10.78925 | 55.42075 |
| 8/14/2025 | 4:00:00 PM | 33.56379 | 59.40866 | 25.84487 | 21.88513 | 46.22319 | 12.6594 | 25.9906 | 47.18636 | 13.62257 | 25.72743 | 40.17152 | 6.60773 | 23.20227 | 44.36641 | 10.80262 | 55.40738 |
| 8/14/2025 | 5:00:00 PM | 33.54038 | 59.38367 | 25.84329 | 21.88671 | 46.16953 | 12.62915 | 26.02085 | 47.1614 | 13.62102 | 25.72898 | 40.16437 | 6.62399 | 23.18601 | 44.36284 | 10.82246 | 55.38754 |
| 8/14/2025 | 6:00:00 PM | 33.52366 | 59.37652 | 25.85286 | 21.87714 | 46.11922 | 12.59556 | 26.05444 | 47.15071 | 13.62705 | 25.72295 | 40.15363 | 6.62997 | 23.18003 | 44.35212 | 10.82846 | 55.38154 |
| 8/14/2025 | 7:00:00 PM | 33.527 | 59.37652 | 25.84952 | 21.88048 | 46.08904 | 12.56204 | 26.08796 | 47.14358 | 13.61658 | 25.73342 | 40.15721 | 6.63021 | 23.17979 | 44.36284 | 10.83584 | 55.37416 |
| 8/14/2025 | 8:00:00 PM | 33.52366 | 59.36224 | 25.83858 | 21.89142 | 46.05885 | 12.53519 | 26.11481 | 47.13288 | 13.60922 | 25.74078 | 40.15006 | 6.6264 | 23.1836 | 44.36284 | 10.83918 | 55.37082 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/14/2025 | 9:00:00 PM | 33.54707 | 59.38724 | 25.84017 | 21.88983 | 46.06892 | 12.52185 | 26.12815 | 47.15071 | 13.60364 | 25.74636 | 40.16079 | 6.61372 | 23.19628 | 44.395 | 10.84793 | 55.36207 |
| 8/14/2025 | 10:00:00 PM | 33.55041 | 59.38724 | 25.83683 | 21.89317 | 46.07898 | 12.52857 | 26.12143 | 47.15427 | 13.60386 | 25.74614 | 40.15363 | 6.60322 | 23.20678 | 44.395 | 10.84459 | 55.36541 |
| 8/14/2025 | 11:00:00 PM | 33.53704 | 59.36938 | 25.83234 | 21.89766 | 46.07227 | 12.53523 | 26.11477 | 47.13644 | 13.5994 | 25.7506 | 40.13932 | 6.60228 | 23.20772 | 44.38428 | 10.84724 | 55.36276 |
| 8/15/2025 | 12:00:00 AM | 33.51363 | 59.35867 | 25.84504 | 21.88496 | 46.07227 | 12.55864 | 26.09136 | 47.11862 | 13.60499 | 25.74501 | 40.12143 | 6.6078 | 23.2022 | 44.35926 | 10.84563 | 55.36437 |
| 8/15/2025 | 1:00:00 AM | 33.50025 | 59.36581 | 25.86556 | 21.86444 | 46.09575 | 12.5955 | 26.0545 | 47.12575 | 13.6255 | 25.7245 | 40.11428 | 6.61403 | 23.19597 | 44.35926 | 10.85901 | 55.35099 |
| 8/15/2025 | 2:00:00 AM | 33.48353 | 59.35867 | 25.87514 | 21.85486 | 46.11587 | 12.63234 | 26.01766 | 47.11149 | 13.62796 | 25.72204 | 40.10712 | 6.62359 | 23.18641 | 44.35926 | 10.87573 | 55.33427 |
| 8/15/2025 | 3:00:00 AM | 33.4735 | 59.35153 | 25.87803 | 21.85197 | 46.15276 | 12.67926 | 25.97074 | 47.10079 | 13.62729 | 25.72271 | 40.09639 | 6.62289 | 23.18711 | 44.34854 | 10.87504 | 55.33496 |
| 8/15/2025 | 4:00:00 AM | 33.46347 | 59.3551 | 25.89163 | 21.83837 | 46.18295 | 12.71948 | 25.93052 | 47.09366 | 13.63019 | 25.71981 | 40.08566 | 6.62219 | 23.18781 | 44.34497 | 10.8815 | 55.3285 |
| 8/15/2025 | 5:00:00 AM | 33.45678 | 59.34439 | 25.88761 | 21.84239 | 46.20643 | 12.74965 | 25.90035 | 47.0901 | 13.63332 | 25.71668 | 40.0785 | 6.62172 | 23.18828 | 44.33782 | 10.88104 | 55.32896 |
| 8/15/2025 | 6:00:00 AM | 33.45009 | 59.34796 | 25.89787 | 21.83213 | 46.24667 | 12.79658 | 25.85342 | 47.09366 | 13.64357 | 25.70643 | 40.0785 | 6.62841 | 23.18159 | 44.33782 | 10.88773 | 55.32227 |
| 8/15/2025 | 7:00:00 AM | 33.45009 | 59.34796 | 25.89787 | 21.83213 | 46.2668 | 12.81671 | 25.83329 | 47.09723 | 13.64714 | 25.70286 | 40.07135 | 6.62126 | 23.18874 | 44.33782 | 10.88773 | 55.32227 |
| 8/15/2025 | 8:00:00 AM | 33.4434 | 59.34796 | 25.90456 | 21.82544 | 46.29698 | 12.85358 | 25.79642 | 47.09723 | 13.65383 | 25.69617 | 40.06777 | 6.62437 | 23.18563 | 44.33425 | 10.89085 | 55.31915 |
| 8/15/2025 | 9:00:00 AM | 33.43337 | 59.34796 | 25.91459 | 21.81541 | 46.30033 | 12.86696 | 25.78304 | 47.09366 | 13.66029 | 25.68971 | 40.05346 | 6.62009 | 23.18991 | 44.33782 | 10.90445 | 55.30555 |
| 8/15/2025 | 10:00:00 AM | 33.44006 | 59.35153 | 25.91147 | 21.81853 | 46.33387 | 12.89381 | 25.75619 | 47.11149 | 13.67143 | 25.67857 | 40.05346 | 6.6134 | 23.1966 | 44.34497 | 10.90491 | 55.30509 |
| 8/15/2025 | 11:00:00 AM | 33.44675 | 59.3551 | 25.90835 | 21.82165 | 46.354 | 12.90725 | 25.74275 | 47.11862 | 13.67187 | 25.67813 | 40.05703 | 6.61028 | 23.19972 | 44.34854 | 10.90179 | 55.30821 |
| 8/15/2025 | 12:00:00 PM | 33.44006 | 59.34439 | 25.90433 | 21.82567 | 46.36741 | 12.92735 | 25.72265 | 47.11862 | 13.67856 | 25.67144 | 40.04988 | 6.60982 | 23.20018 | 44.33425 | 10.89419 | 55.31581 |
| 8/15/2025 | 1:00:00 PM | 33.41665 | 59.34439 | 25.92774 | 21.80226 | 46.37077 | 12.95412 | 25.69588 | 47.11862 | 13.70197 | 25.64803 | 40.03199 | 6.61534 | 23.19466 | 44.32352 | 10.90687 | 55.30313 |
| 8/15/2025 | 2:00:00 PM | 33.41665 | 59.34082 | 25.92417 | 21.80583 | 46.39089 | 12.97424 | 25.67576 | 47.11862 | 13.70197 | 25.64803 | 40.02841 | 6.61176 | 23.19824 | 44.32352 | 10.90687 | 55.30313 |
| 8/15/2025 | 3:00:00 PM | 33.40996 | 59.3301 | 25.92014 | 21.80986 | 46.3976 | 12.98764 | 25.66236 | 47.11862 | 13.70866 | 25.64134 | 40.02483 | 6.61487 | 23.19513 | 44.30565 | 10.89569 | 55.31431 |
| 8/15/2025 | 4:00:00 PM | 33.39993 | 59.34439 | 25.94446 | 21.78554 | 46.42443 | 13.0245 | 25.6255 | 47.11149 | 13.71156 | 25.63844 | 40.02126 | 6.62133 | 23.18867 | 44.30923 | 10.9093 | 55.3007 |
| 8/15/2025 | 5:00:00 PM | 33.39324 | 59.34082 | 25.94758 | 21.78242 | 46.4479 | 13.05466 | 25.59534 | 47.11505 | 13.72181 | 25.62819 | 40.01052 | 6.61728 | 23.19272 | 44.3128 | 10.91956 | 55.29044 |
| 8/15/2025 | 6:00:00 PM | 33.3899 | 59.35153 | 25.96163 | 21.76837 | 46.46803 | 13.07813 | 25.57187 | 47.12575 | 13.73585 | 25.61415 | 40.00694 | 6.61704 | 23.19296 | 44.3128 | 10.9229 | 55.2871 |
| 8/15/2025 | 7:00:00 PM | 33.37652 | 59.35153 | 25.97501 | 21.75499 | 46.49486 | 13.11834 | 25.53166 | 47.12218 | 13.74566 | 25.60434 | 39.99621 | 6.61969 | 23.19031 | 44.30923 | 10.93271 | 55.27729 |
| 8/15/2025 | 8:00:00 PM | 33.36649 | 59.33724 | 25.97075 | 21.75925 | 46.50157 | 13.13508 | 25.51492 | 47.12218 | 13.75569 | 25.59431 | 39.98906 | 6.62257 | 23.18743 | 44.29851 | 10.93202 | 55.27798 |
| 8/15/2025 | 9:00:00 PM | 33.36315 | 59.33367 | 25.97052 | 21.75948 | 46.5284 | 13.16525 | 25.48475 | 47.12931 | 13.76616 | 25.58384 | 39.97832 | 6.61517 | 23.19483 | 44.29493 | 10.93178 | 55.27822 |
| 8/15/2025 | 10:00:00 PM | 33.37987 | 59.35153 | 25.97166 | 21.75834 | 46.56864 | 13.18877 | 25.46123 | 47.16497 | 13.7851 | 25.5649 | 39.99621 | 6.61634 | 23.19366 | 44.3128 | 10.93293 | 55.27707 |
| 8/15/2025 | 11:00:00 PM | 33.38321 | 59.35867 | 25.97546 | 21.75454 | 46.58206 | 13.19885 | 25.45115 | 47.16853 | 13.78532 | 25.56468 | 39.98906 | 6.60585 | 23.20415 | 44.32352 | 10.94031 | 55.26969 |
| 8/16/2025 | 12:00:00 AM | 33.3899 | 59.3551 | 25.9652 | 21.7648 | 46.60889 | 13.21899 | 25.43101 | 47.17566 | 13.78576 | 25.56424 | 39.98548 | 6.59558 | 23.21442 | 44.30923 | 10.91933 | 55.29067 |
| 8/16/2025 | 1:00:00 AM | 33.40996 | 59.37295 | 25.96299 | 21.76701 | 46.64243 | 13.23247 | 25.41753 | 47.20062 | 13.79066 | 25.55934 | 40.00337 | 6.59341 | 23.21659 | 44.32352 | 10.91356 | 55.29644 |
| 8/16/2025 | 2:00:00 AM | 33.42668 | 59.38367 | 25.95699 | 21.77301 | 46.67597 | 13.24929 | 25.40071 | 47.22201 | 13.79533 | 25.55467 | 40.00337 | 6.57669 | 23.23331 | 44.33067 | 10.90399 | 55.30601 |
| 8/16/2025 | 3:00:00 AM | 33.44675 | 59.39438 | 25.94763 | 21.78237 | 46.69945 | 13.2527 | 25.3973 | 47.23984 | 13.79309 | 25.55691 | 40.0141 | 6.56735 | 23.24265 | 44.34139 | 10.89464 | 55.31536 |
| 8/16/2025 | 4:00:00 AM | 33.4735 | 59.41223 | 25.93873 | 21.79127 | 46.72963 | 13.25613 | 25.39387 | 47.26836 | 13.79486 | 25.55514 | 40.03557 | 6.56207 | 23.24793 | 44.35569 | 10.88219 | 55.32781 |
| 8/16/2025 | 5:00:00 AM | 33.48688 | 59.42652 | 25.93964 | 21.79036 | 46.75646 | 13.26958 | 25.38042 | 47.29332 | 13.80644 | 25.54356 | 40.04988 | 6.563 | 23.247 | 44.35212 | 10.86524 | 55.34476 |
| 8/16/2025 | 6:00:00 AM | 33.50694 | 59.4408 | 25.93386 | 21.79614 | 46.77659 | 13.26965 | 25.38035 | 47.31114 | 13.8042 | 25.5458 | 40.05703 | 6.55009 | 23.25991 | 44.35926 | 10.85232 | 55.35768 |
| 8/16/2025 | 7:00:00 AM | 33.52366 | 59.44437 | 25.92071 | 21.80929 | 46.79671 | 13.27305 | 25.37695 | 47.3361 | 13.81244 | 25.53756 | 40.07135 | 6.54769 | 23.26231 | 44.35926 | 10.8356 | 55.3744 |
| 8/16/2025 | 8:00:00 AM | 33.54038 | 59.45865 | 25.91827 | 21.81173 | 46.82019 | 13.27981 | 25.37019 | 47.35749 | 13.81711 | 25.53289 | 40.08208 | 6.5417 | 23.2683 | 44.36284 | 10.82246 | 55.38754 |
| 8/16/2025 | 9:00:00 AM | 33.55376 | 59.46937 | 25.91561 | 21.81439 | 46.82019 | 13.26643 | 25.38357 | 47.36819 | 13.81443 | 25.53557 | 40.09639 | 6.54263 | 23.26737 | 44.36998 | 10.81622 | 55.39378 |
| 8/16/2025 | 10:00:00 AM | 33.56713 | 59.47294 | 25.90581 | 21.82419 | 46.84031 | 13.27318 | 25.37682 | 47.37532 | 13.80819 | 25.54181 | 40.10712 | 6.53999 | 23.27001 | 44.37356 | 10.80643 | 55.40357 |
| 8/16/2025 | 11:00:00 AM | 33.57716 | 59.48722 | 25.91006 | 21.81994 | 46.84366 | 13.2665 | 25.3835 | 47.39314 | 13.81598 | 25.53402 | 40.11428 | 6.53712 | 23.27288 | 44.37356 | 10.7964 | 55.4136 |
| 8/16/2025 | 12:00:00 PM | 33.59054 | 59.49793 | 25.90739 | 21.82261 | 46.85372 | 13.26318 | 25.38682 | 47.41097 | 13.82043 | 25.52957 | 40.12859 | 6.53805 | 23.27195 | 44.37713 | 10.78659 | 55.42341 |
| 8/16/2025 | 1:00:00 PM | 33.59388 | 59.5015 | 25.90762 | 21.82238 | 46.85708 | 13.2632 | 25.3868 | 47.42167 | 13.82779 | 25.52221 | 40.13932 | 6.54544 | 23.26456 | 44.37356 | 10.77968 | 55.43032 |
| 8/16/2025 | 2:00:00 PM | 33.59723 | 59.50508 | 25.90785 | 21.82215 | 46.85037 | 13.25314 | 25.39686 | 47.4288 | 13.83157 | 25.51843 | 40.13932 | 6.54209 | 23.26791 | 44.38071 | 10.78348 | 55.42652 |
| 8/16/2025 | 3:00:00 PM | 33.60057 | 59.5015 | 25.90093 | 21.82907 | 46.83695 | 13.23638 | 25.41362 | 47.4288 | 13.82823 | 25.52177 | 40.15363 | 6.55306 | 23.25694 | 44.38071 | 10.78014 | 55.42986 |
| 8/16/2025 | 4:00:00 PM | 33.59723 | 59.49793 | 25.9007 | 21.8293 | 46.82354 | 13.22631 | 25.42369 | 47.42167 | 13.82444 | 25.52556 | 40.14648 | 6.54925 | 23.26075 | 44.36641 | 10.76918 | 55.44082 |
| 8/16/2025 | 5:00:00 PM | 33.59054 | 59.49793 | 25.90739 | 21.82261 | 46.80342 | 13.21288 | 25.43712 | 47.41454 | 13.824 | 25.526 | 40.14648 | 6.55594 | 23.25406 | 44.35926 | 10.76872 | 55.44128 |
| 8/16/2025 | 6:00:00 PM | 33.59723 | 59.49436 | 25.89713 | 21.83287 | 46.79671 | 13.19948 | 25.45052 | 47.42167 | 13.82444 | 25.52556 | 40.15721 | 6.55998 | 23.25002 | 44.36998 | 10.77275 | 55.43725 |
| 8/16/2025 | 7:00:00 PM | 33.60392 | 59.49793 | 25.89401 | 21.83599 | 46.79671 | 13.19279 | 25.45721 | 47.42523 | 13.82131 | 25.52869 | 40.16079 | 6.55687 | 23.25313 | 44.36998 | 10.76606 | 55.44394 |
| 8/16/2025 | 8:00:00 PM | 33.61729 | 59.51579 | 25.8985 | 21.8315 | 46.80677 | 13.18948 | 25.46052 | 47.43949 | 13.8222 | 25.5278 | 40.1751 | 6.55781 | 23.25219 | 44.39143 | 10.77414 | 55.43586 |
| 8/16/2025 | 9:00:00 PM | 33.62398 | 59.52293 | 25.89895 | 21.83105 | 46.81348 | 13.1895 | 25.4605 | 47.44306 | 13.81908 | 25.53092 | 40.1751 | 6.55112 | 23.25888 | 44.39858 | 10.7746 | 55.4354 |
| 8/16/2025 | 10:00:00 PM | 33.63067 | 59.51579 | 25.88512 | 21.84488 | 46.80677 | 13.1761 | 25.4739 | 47.44662 | 13.81595 | 25.53405 | 40.18583 | 6.55516 | 23.25484 | 44.39143 | 10.76076 | 55.44924 |
| 8/16/2025 | 11:00:00 PM | 33.62398 | 59.51222 | 25.88824 | 21.84176 | 46.81012 | 13.18614 | 25.46386 | 47.43949 | 13.81551 | 25.53449 | 40.17868 | 6.5547 | 23.2553 | 44.38785 | 10.76387 | 55.44613 |
| 8/17/2025 | 12:00:00 AM | 33.62398 | 59.51579 | 25.89181 | 21.83819 | 46.81683 | 13.19285 | 25.45715 | 47.44662 | 13.82264 | 25.52736 | 40.18226 | 6.55828 | 23.25172 | 44.38785 | 10.76387 | 55.44613 |
| 8/17/2025 | 1:00:00 AM | 33.63736 | 59.5265 | 25.88914 | 21.84086 | 46.82689 | 13.18953 | 25.46047 | 47.43949 | 13.82043 | 25.54787 | 40.19299 | 6.55563 | 23.25437 | 44.38785 | 10.75049 | 55.45951 |
| 8/17/2025 | 2:00:00 AM | 33.63401 | 59.5265 | 25.89249 | 21.83751 | 46.82689 | 13.19288 | 25.45712 | 47.43236 | 13.79835 | 25.55165 | 40.19299 | 6.55898 | 23.25102 | 44.39143 | 10.75742 | 55.45258 |
| 8/17/2025 | 3:00:00 AM | 33.63067 | 59.5265 | 25.89583 | 21.83417 | 46.84031 | 13.20964 | 25.44036 | 47.43949 | 13.80882 | 25.54118 | 40.18941 | 6.55874 | 23.25126 | 44.395 | 10.76433 | 55.44567 |
| 8/17/2025 | 4:00:00 AM | 33.63736 | 59.53364 | 25.89628 | 21.83372 | 46.8336 | 13.19624 | 25.45376 | 47.45019 | 13.81283 | 25.53717 | 40.19299 | 6.55563 | 23.25437 | 44.40215 | 10.76479 | 55.44521 |
| 8/17/2025 | 5:00:00 AM | 33.6407 | 59.52293 | 25.88223 | 21.84777 | 46.84031 | 13.19961 | 25.45039 | 47.44662 | 13.80592 | 25.54408 | 40.19657 | 6.55587 | 23.25413 | 44.40572 | 10.76502 | 55.44498 |
| 8/17/2025 | 6:00:00 AM | 33.65408 | 59.54436 | 25.89028 | 21.83972 | 46.85372 | 13.19964 | 25.45036 | 47.46445 | 13.81037 | 25.53963 | 40.20372 | 6.54964 | 23.26036 | 44.4093 | 10.75522 | 55.45478 |
| 8/17/2025 | 7:00:00 AM | 33.66076 | 59.5515 | 25.89074 | 21.83926 | 46.86379 | 13.20303 | 25.44697 | 47.46802 | 13.80726 | 25.54274 | 40.22161 | 6.56085 | 23.24915 | 44.42002 | 10.75926 | 55.45074 |
| 8/17/2025 | 8:00:00 AM | 33.66411 | 59.55507 | 25.89096 | 21.83904 | 46.87385 | 13.20974 | 25.44026 | 47.47871 | 13.8146 | 25.5354 | 40.21446 | 6.55035 | 23.25965 | 44.42002 | 10.75591 | 55.45409 |
| 8/17/2025 | 9:00:00 AM | 33.66411 | 59.56221 | 25.8981 | 21.8319 | 46.87385 | 13.20974 | 25.44026 | 47.48228 | 13.81817 | 25.53183 | 40.22161 | 6.5575 | 23.2525 | 44.41645 | 10.75234 | 55.45766 |
| 8/17/2025 | 10:00:00 AM | 33.66745 | 59.55864 | 25.89119 | 21.83881 | 46.87385 | 13.2064 | 25.4436 | 47.48228 | 13.81483 | 25.53517 | 40.22161 | 6.55416 | 23.25584 | 44.42359 | 10.75614 | 55.45386 |
| 8/17/2025 | 11:00:00 AM | 33.67414 | 59.56221 | 25.88807 | 21.84193 | 46.88056 | 13.20642 | 25.44358 | 47.48941 | 13.81527 | 25.53473 | 40.22519 | 6.55105 | 23.25895 | 44.42359 | 10.74945 | 55.46055 |
| 8/17/2025 | 12:00:00 PM | 33.66411 | 59.56221 | 25.8981 | 21.8319 | 46.88056 | 13.21645 | 25.43355 | 47.48584 | 13.82173 | 25.52827 | 40.21446 | 6.55035 | 23.25965 | 44.42359 | 10.75948 | 55.45052 |
| 8/17/2025 | 1:00:00 PM | 33.64739 | 59.54793 | 25.90054 | 21.82946 | 46.85708 | 13.20969 | 25.44031 | 47.47871 | 13.83132 | 25.51868 | 40.21446 | 6.56707 | 23.24293 | 44.4093 | 10.76191 | 55.44809 |
| 8/17/2025 | 2:00:00 PM | 33.64739 | 59.54078 | 25.89339 | 21.83661 | 46.83695 | 13.18956 | 25.46044 | 47.46802 | 13.82063 | 25.52937 | 40.21446 | 6.56707 | 23.24293 | 44.40572 | 10.75833 | 55.45167 |
| 8/17/2025 | 3:00:00 PM | 33.63067 | 59.53007 | 25.8994 | 21.8306 | 46.80677 | 13.1761 | 25.4739 | 47.45375 | 13.82308 | 25.52692 | 40.20015 | 6.56948 | 23.24052 | 44.39143 | 10.76076 | 55.44924 |
| 8/17/2025 | 4:00:00 PM | 33.60726 | 59.50865 | 25.90139 | 21.82861 | 46.77659 | 13.16933 | 25.48067 | 47.43949 | 13.83223 | 25.51777 | 40.18941 | 6.58215 | 23.22785 | 44.38071 | 10.77345 | 55.43655 |
| 8/17/2025 | 5:00:00 PM | 33.59054 | 59.50508 | 25.91454 | 21.81546 | 46.7464 | 13.15586 | 25.49414 | 47.42167 | 13.83113 | 25.51887 | 40.18941 | 6.59887 | 23.21113 | 44.38428 | 10.79374 | 55.41626 |
| 8/17/2025 | 6:00:00 PM | 33.5872 | 59.48722 | 25.90002 | 21.82998 | 46.71957 | 13.13237 | 25.51763 | 47.40741 | 13.82021 | 25.52979 | 40.17152 | 6.58432 | 23.22568 | 44.38071 | 10.79351 | 55.41649 |
| 8/17/2025 | 7:00:00 PM | 33.57382 | 59.47294 | 25.89912 | 21.83088 | 46.69609 | 13.12227 | 25.52773 | 47.40027 | 13.82645 | 25.52355 | 40.17152 | 6.5977 | 23.2123 | 44.37356 | 10.79974 | 55.41026 |
| 8/17/2025 | 8:00:00 PM | 33.57048 | 59.46937 | 25.89889 | 21.83111 | 46.67932 | 13.10884 | 25.54116 | 47.38958 | 13.8191 | 25.5309 | 40.16795 | 6.59747 | 23.21253 | 44.38428 | 10.8138 | 55.3962 |
| 8/17/2025 | 9:00:00 PM | 33.57716 | 59.47294 | 25.89578 | 21.83422 | 46.67597 | 13.09881 | 25.55119 | 47.39671 | 13.81955 | 25.53045 | 40.16795 | 6.59079 | 23.21921 | 44.39143 | 10.81427 | 55.39573 |
| 8/17/2025 | 10:00:00 PM | 33.5571 | 59.45865 | 25.90155 | 21.82845 | 46.65585 | 13.09875 | 25.55125 | 47.37175 | 13.81465 | 25.53535 | 40.15363 | 6.59653 | 23.21347 | 44.37713 | 10.82003 | 55.38997 |
| 8/17/2025 | 11:00:00 PM | 33.55376 | 59.46223 | 25.90847 | 21.82153 | 46.65585 | 13.10209 | 25.54791 | 47.36106 | 13.8073 | 25.5427 | 40.1429 | 6.58914 | 23.22086 | 44.37356 | 10.8198 | 55.3902 |
| 8/18/2025 | 12:00:00 AM | 33.55376 | 59.45508 | 25.90132 | 21.82868 | 46.6592 | 13.10544 | 25.54456 | 47.35749 | 13.80373 | 25.54627 | 40.14648 | 6.59272 | 23.21728 | 44.38071 | 10.82695 | 55.38305 |
| 8/18/2025 | 1:00:00 AM | 33.55376 | 59.46223 | 25.90847 | 21.82153 | 46.67597 | 13.12221 | 25.52779 | 47.36106 | 13.8073 | 25.5427 | 40.1429 | 6.58914 | 23.22086 | 44.38071 | 10.82695 | 55.38305 |
| 8/18/2025 | 2:00:00 AM | 33.56379 | 59.47651 | 25.91272 | 21.81728 | 46.68938 | 13.12559 | 25.52441 | 47.36462 | 13.80083 | 25.54917 | 40.1429 | 6.57911 | 23.23089 | 44.38785 | 10.82406 | 55.38594 |
| 8/18/2025 | 3:00:00 AM | 33.5571 | 59.46937 | 25.91227 | 21.81773 | 46.68938 | 13.13228 | 25.51772 | 47.36106 | 13.80396 | 25.54604 | 40.1429 | 6.5858 | 23.2242 | 44.39143 | 10.83433 | 55.37567 |
| 8/18/2025 | 4:00:00 AM | 33.58385 | 59.48722 | 25.90337 | 21.82663 | 46.71622 | 13.13237 | 25.51763 | 47.37888 | 13.79503 | 25.55497 | 40.15006 | 6.56621 | 23.24379 | 44.4093 | 10.82545 | 55.38455 |
| 8/18/2025 | 5:00:00 AM | 33.57716 | 59.47294 | 25.89578 | 21.83422 | 46.71622 | 13.13906 | 25.51094 | 47.37175 | 13.79459 | 25.55541 | 40.13217 | 6.55501 | 23.25499 | 44.395 | 10.81784 | 55.39216 |
| 8/18/2025 | 6:00:00 AM | 33.5872 | 59.49079 | 25.90359 | 21.82641 | 46.73298 | 13.14578 | 25.50422 | 47.39314 | 13.80594 | 25.54406 | 40.15006 | 6.56286 | 23.24714 | 44.40572 | 10.81852 | 55.39148 |
| 8/18/2025 | 7:00:00 AM | 33.60057 | 59.49793 | 25.89736 | 21.83264 | 46.75646 | 13.15589 | 25.49411 | 47.39671 | 13.79614 | 25.55386 | 40.15363 | 6.55306 | 23.25694 | 44.41287 | 10.8123 | 55.3977 |
| 8/18/2025 | 8:00:00 AM | 33.61729 | 59.50508 | 25.88779 | 21.84221 | 46.76988 | 13.15259 | 25.49741 | 47.42167 | 13.80438 | 25.54562 | 40.1751 | 6.55781 | 23.25219 | 44.41287 | 10.79558 | 55.41442 |
| 8/18/2025 | 9:00:00 AM | 33.63736 | 59.53007 | 25.89271 | 21.83729 | 46.79 | 13.15264 | 25.49736 | 47.43593 | 13.79857 | 25.55143 | 40.17868 | 6.54132 | 23.26868 | 44.42002 | 10.78266 | 55.42734 |
| 8/18/2025 | 10:00:00 AM | 33.63736 | 59.53364 | 25.89628 | 21.83372 | 46.80342 | 13.16606 | 25.48394 | 47.43949 | 13.80213 | 25.54787 | 40.18226 | 6.5449 | 23.2651 | 44.42002 | 10.78266 | 55.42734 |
| 8/18/2025 | 11:00:00 AM | 33.64739 | 59.53364 | 25.88625 | 21.84375 | 46.81012 | 13.16273 | 25.48727 | 47.43593 | 13.78854 | 25.56146 | 40.18226 | 6.53487 | 23.27513 | 44.41645 | 10.76906 | 55.44094 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/18/2025 | 12:00:00 PM | 33.64739 | 59.53007 | 25.88268 | 21.84732 | 46.81012 | 13.16273 | 25.48727 | 47.44306 | 13.79567 | 25.55433 | 40.18226 | 6.53487 | 23.27513 | 44.42002 | 10.77263 | 55.43737 |
| 8/18/2025 | 1:00:00 PM | 33.64404 | 59.53364 | 25.8896 | 21.8404 | 46.80677 | 13.16273 | 25.48727 | 47.45019 | 13.80615 | 25.54385 | 40.18583 | 6.54179 | 23.26821 | 44.4093 | 10.76526 | 55.44474 |
| 8/18/2025 | 2:00:00 PM | 33.6407 | 59.52293 | 25.88223 | 21.84777 | 46.79671 | 13.15601 | 25.49399 | 47.44662 | 13.80592 | 25.54408 | 40.18583 | 6.54513 | 23.26487 | 44.40215 | 10.76145 | 55.44855 |
| 8/18/2025 | 3:00:00 PM | 33.63736 | 59.5265 | 25.88914 | 21.84086 | 46.77659 | 13.13923 | 25.51077 | 47.45019 | 13.81283 | 25.53717 | 40.18941 | 6.55205 | 23.25795 | 44.41287 | 10.77551 | 55.43449 |
| 8/18/2025 | 4:00:00 PM | 33.63067 | 59.50865 | 25.87798 | 21.85202 | 46.75646 | 13.12579 | 25.52421 | 47.44662 | 13.81595 | 25.53405 | 40.19299 | 6.56232 | 23.24768 | 44.39858 | 10.76791 | 55.44209 |
| 8/18/2025 | 5:00:00 PM | 33.6407 | 59.53364 | 25.89294 | 21.83706 | 46.74975 | 13.10905 | 25.54095 | 47.44306 | 13.80236 | 25.54764 | 40.19299 | 6.55229 | 23.25771 | 44.41287 | 10.77217 | 55.43783 |
| 8/18/2025 | 6:00:00 PM | 33.64404 | 59.51579 | 25.87175 | 21.85825 | 46.72963 | 13.08559 | 25.56441 | 47.43949 | 13.79545 | 25.55455 | 40.18941 | 6.54537 | 23.26463 | 44.41645 | 10.77241 | 55.43759 |
| 8/18/2025 | 7:00:00 PM | 33.65073 | 59.52293 | 25.8722 | 21.8578 | 46.71622 | 13.06549 | 25.58451 | 47.43593 | 13.7852 | 25.5648 | 40.19299 | 6.54226 | 23.26774 | 44.42717 | 10.77644 | 55.43356 |
| 8/18/2025 | 8:00:00 PM | 33.65408 | 59.53721 | 25.88313 | 21.84687 | 46.71957 | 13.06549 | 25.58451 | 47.45019 | 13.79611 | 25.55389 | 40.20015 | 6.54607 | 23.26393 | 44.42359 | 10.76951 | 55.44049 |
| 8/18/2025 | 9:00:00 PM | 33.67748 | 59.54078 | 25.8633 | 21.8667 | 46.72963 | 13.05215 | 25.59785 | 47.46802 | 13.79054 | 25.55946 | 40.21446 | 6.53698 | 23.27302 | 44.44504 | 10.76756 | 55.44244 |
| 8/18/2025 | 10:00:00 PM | 33.69086 | 59.5515 | 25.86064 | 21.86936 | 46.73969 | 13.04883 | 25.60117 | 47.47871 | 13.78785 | 25.56215 | 40.22519 | 6.53433 | 23.27567 | 44.44504 | 10.75418 | 55.45582 |
| 8/18/2025 | 11:00:00 PM | 33.6942 | 59.55507 | 25.86087 | 21.86913 | 46.74975 | 13.05555 | 25.59445 | 47.46802 | 13.77382 | 25.57618 | 40.22161 | 6.52741 | 23.28259 | 44.44504 | 10.75084 | 55.45916 |
| 8/19/2025 | 12:00:00 AM | 33.69086 | 59.56578 | 25.87492 | 21.85508 | 46.76317 | 13.07231 | 25.57769 | 47.47871 | 13.78785 | 25.56215 | 40.23235 | 6.54149 | 23.26851 | 44.44504 | 10.75418 | 55.45582 |
| 8/19/2025 | 1:00:00 AM | 33.71092 | 59.56935 | 25.85843 | 21.87157 | 46.78329 | 13.07237 | 25.57763 | 47.48584 | 13.77492 | 25.57508 | 40.2395 | 6.52858 | 23.28142 | 44.44504 | 10.73412 | 55.47588 |
| 8/19/2025 | 2:00:00 AM | 33.70758 | 59.57292 | 25.86534 | 21.86466 | 46.79 | 13.08242 | 25.56758 | 47.48228 | 13.7747 | 25.5753 | 40.23592 | 6.52834 | 23.28166 | 44.44861 | 10.74103 | 55.46897 |
| 8/19/2025 | 3:00:00 AM | 33.71761 | 59.58363 | 25.86602 | 21.86398 | 46.81683 | 13.09922 | 25.55078 | 47.49297 | 13.77536 | 25.57464 | 40.25024 | 6.53263 | 23.27737 | 44.46648 | 10.74887 | 55.46113 |
| 8/19/2025 | 4:00:00 AM | 33.7243 | 59.58721 | 25.86291 | 21.86709 | 46.82354 | 13.09924 | 25.55076 | 47.5001 | 13.7758 | 25.5742 | 40.25739 | 6.53309 | 23.27691 | 44.46291 | 10.73861 | 55.47139 |
| 8/19/2025 | 5:00:00 AM | 33.73099 | 59.60149 | 25.8705 | 21.8595 | 46.83695 | 13.10596 | 25.54404 | 47.50367 | 13.77268 | 25.57732 | 40.26455 | 6.53356 | 23.27644 | 44.46648 | 10.73549 | 55.47451 |
| 8/19/2025 | 6:00:00 AM | 33.74436 | 59.60863 | 25.86427 | 21.86573 | 46.85037 | 13.10601 | 25.54399 | 47.51436 | 13.77 | 25.58 | 40.2717 | 6.52734 | 23.28266 | 44.47005 | 10.72569 | 55.48431 |
| 8/19/2025 | 7:00:00 AM | 33.76108 | 59.61934 | 25.85826 | 21.87174 | 46.87385 | 13.11277 | 25.53723 | 47.53576 | 13.77468 | 25.57532 | 40.28601 | 6.52493 | 23.28507 | 44.4772 | 10.71612 | 55.49388 |
| 8/19/2025 | 8:00:00 AM | 33.77112 | 59.63006 | 25.85894 | 21.87106 | 46.89062 | 13.1195 | 25.5305 | 47.54289 | 13.77177 | 25.57823 | 40.28959 | 6.51847 | 23.29153 | 44.48435 | 10.71323 | 55.49677 |
| 8/19/2025 | 9:00:00 AM | 33.78115 | 59.64077 | 25.85962 | 21.87038 | 46.89732 | 13.11617 | 25.53383 | 47.55002 | 13.76887 | 25.58113 | 40.29317 | 6.51202 | 23.29798 | 44.4915 | 10.71035 | 55.49965 |
| 8/19/2025 | 10:00:00 AM | 33.78115 | 59.64791 | 25.86676 | 21.86324 | 46.90739 | 13.12624 | 25.52376 | 47.55358 | 13.77243 | 25.57757 | 40.29675 | 6.5156 | 23.2944 | 44.48078 | 10.69963 | 55.51037 |
| 8/19/2025 | 11:00:00 AM | 33.78115 | 59.64434 | 25.86319 | 21.86681 | 46.90739 | 13.12624 | 25.52376 | 47.54645 | 13.7653 | 25.5847 | 40.30032 | 6.51917 | 23.29083 | 44.48435 | 10.7032 | 55.5068 |
| 8/19/2025 | 12:00:00 PM | 33.78115 | 59.64434 | 25.86319 | 21.86681 | 46.90739 | 13.12624 | 25.52376 | 47.55715 | 13.776 | 25.574 | 40.30748 | 6.52633 | 23.28367 | 44.48435 | 10.7032 | 55.5068 |
| 8/19/2025 | 1:00:00 PM | 33.7778 | 59.64434 | 25.86654 | 21.86346 | 46.89397 | 13.11617 | 25.53383 | 47.55715 | 13.77935 | 25.57065 | 40.3039 | 6.5261 | 23.2839 | 44.48078 | 10.70298 | 55.50702 |
| 8/19/2025 | 2:00:00 PM | 33.77112 | 59.63363 | 25.86251 | 21.86749 | 46.88391 | 13.11279 | 25.53721 | 47.55358 | 13.78246 | 25.56754 | 40.30748 | 6.53636 | 23.27364 | 44.48435 | 10.71323 | 55.49677 |
| 8/19/2025 | 3:00:00 PM | 33.77112 | 59.63363 | 25.86251 | 21.86749 | 46.86043 | 13.08931 | 25.56069 | 47.55002 | 13.7789 | 25.5711 | 40.3039 | 6.53278 | 23.27722 | 44.4772 | 10.70608 | 55.50392 |
| 8/19/2025 | 4:00:00 PM | 33.77112 | 59.62291 | 25.85179 | 21.87821 | 46.83025 | 13.05913 | 25.59087 | 47.55002 | 13.7789 | 25.5711 | 40.3039 | 6.53278 | 23.27722 | 44.48435 | 10.71323 | 55.49677 |
| 8/19/2025 | 5:00:00 PM | 33.7778 | 59.6372 | 25.8594 | 21.8706 | 46.81348 | 13.03568 | 25.61432 | 47.54645 | 13.76865 | 25.58135 | 40.31464 | 6.53684 | 23.27316 | 44.49507 | 10.71727 | 55.49273 |
| 8/19/2025 | 6:00:00 PM | 33.77446 | 59.6372 | 25.86274 | 21.86726 | 46.80342 | 13.02896 | 25.62104 | 47.54645 | 13.77199 | 25.57801 | 40.31464 | 6.54018 | 23.26982 | 44.4915 | 10.71704 | 55.49296 |
| 8/19/2025 | 7:00:00 PM | 33.7778 | 59.63006 | 25.85226 | 21.87774 | 46.78665 | 13.00885 | 25.64115 | 47.55002 | 13.77222 | 25.57778 | 40.31821 | 6.54041 | 23.26959 | 44.4915 | 10.7137 | 55.4963 |
| 8/19/2025 | 8:00:00 PM | 33.80121 | 59.65505 | 25.85384 | 21.87616 | 46.80006 | 12.99885 | 25.65115 | 47.55715 | 13.75594 | 25.59406 | 40.32895 | 6.52774 | 23.28226 | 44.51651 | 10.7153 | 55.4947 |
| 8/19/2025 | 9:00:00 PM | 33.81124 | 59.66934 | 25.8581 | 21.8719 | 46.79671 | 12.98547 | 25.66453 | 47.56784 | 13.7566 | 25.5934 | 40.3361 | 6.52486 | 23.28514 | 44.53081 | 10.71957 | 55.49043 |
| 8/19/2025 | 10:00:00 PM | 33.81793 | 59.66934 | 25.85141 | 21.87859 | 46.81012 | 12.99219 | 25.65781 | 47.57854 | 13.76061 | 25.58939 | 40.34326 | 6.52533 | 23.28467 | 44.53438 | 10.71645 | 55.49355 |
| 8/19/2025 | 11:00:00 PM | 33.81793 | 59.66576 | 25.84783 | 21.88217 | 46.82019 | 13.00226 | 25.64774 | 47.57854 | 13.76061 | 25.58939 | 40.33968 | 6.52175 | 23.28825 | 44.53081 | 10.71288 | 55.49712 |
| 8/20/2025 | 12:00:00 AM | 33.81793 | 59.67291 | 25.85498 | 21.87502 | 46.82354 | 13.00561 | 25.64439 | 47.56428 | 13.74635 | 25.60365 | 40.33968 | 6.52175 | 23.28825 | 44.52009 | 10.70216 | 55.50784 |
| 8/20/2025 | 1:00:00 AM | 33.82796 | 59.67291 | 25.84495 | 21.88505 | 46.84366 | 13.0157 | 25.6343 | 47.57141 | 13.74345 | 25.60655 | 40.34684 | 6.51888 | 23.29112 | 44.52724 | 10.69928 | 55.51072 |
| 8/20/2025 | 2:00:00 AM | 33.83131 | 59.68362 | 25.85231 | 21.87769 | 46.85708 | 13.02577 | 25.62423 | 47.57497 | 13.74366 | 25.60634 | 40.34684 | 6.51553 | 23.29447 | 44.53438 | 10.70307 | 55.50693 |
| 8/20/2025 | 3:00:00 AM | 33.84134 | 59.69433 | 25.85299 | 21.87701 | 46.87385 | 13.03251 | 25.61749 | 47.58567 | 13.74433 | 25.60567 | 40.36115 | 6.51981 | 23.29019 | 44.54511 | 10.70377 | 55.50623 |
| 8/20/2025 | 4:00:00 AM | 33.84803 | 59.70504 | 25.85701 | 21.87299 | 46.90068 | 13.05265 | 25.59735 | 47.5928 | 13.74477 | 25.60523 | 40.3683 | 6.52027 | 23.28973 | 44.54868 | 10.70065 | 55.50935 |
| 8/20/2025 | 5:00:00 AM | 33.8614 | 59.70862 | 25.84722 | 21.88278 | 46.91409 | 13.05269 | 25.59731 | 47.6035 | 13.7421 | 25.6079 | 40.37188 | 6.51048 | 23.29952 | 44.5594 | 10.698 | 55.512 |
| 8/20/2025 | 6:00:00 AM | 33.86809 | 59.71576 | 25.84767 | 21.88233 | 46.93086 | 13.06277 | 25.58723 | 47.61419 | 13.7461 | 25.6039 | 40.38261 | 6.51452 | 23.29548 | 44.56298 | 10.69489 | 55.51511 |
| 8/20/2025 | 7:00:00 AM | 33.88147 | 59.74075 | 25.85928 | 21.87072 | 46.95099 | 13.06952 | 25.58048 | 47.62489 | 13.74342 | 25.60658 | 40.4005 | 6.51903 | 23.29097 | 44.5737 | 10.69223 | 55.51777 |
| 8/20/2025 | 8:00:00 AM | 33.89484 | 59.7479 | 25.85306 | 21.87694 | 46.97782 | 13.08298 | 25.56702 | 47.64271 | 13.74787 | 25.60213 | 40.41124 | 6.5164 | 23.2936 | 44.58084 | 10.686 | 55.524 |
| 8/20/2025 | 9:00:00 AM | 33.91491 | 59.75861 | 25.8437 | 21.8863 | 46.98453 | 13.06962 | 25.58038 | 47.65341 | 13.7385 | 25.6115 | 40.41124 | 6.49633 | 23.31367 | 44.58799 | 10.67308 | 55.53692 |
| 8/20/2025 | 10:00:00 AM | 33.92494 | 59.76218 | 25.83724 | 21.89276 | 46.99794 | 13.073 | 25.577 | 47.66767 | 13.74273 | 25.60727 | 40.42913 | 6.50419 | 23.30581 | 44.58799 | 10.66305 | 55.54695 |
| 8/20/2025 | 11:00:00 AM | 33.91825 | 59.76932 | 25.85107 | 21.87893 | 47.00465 | 13.0864 | 25.5636 | 47.67124 | 13.75299 | 25.59701 | 40.42555 | 6.5073 | 23.3027 | 44.59157 | 10.67332 | 55.53668 |
| 8/20/2025 | 12:00:00 PM | 33.92828 | 59.77646 | 25.84818 | 21.88182 | 46.99794 | 13.06966 | 25.58034 | 47.67124 | 13.74296 | 25.60704 | 40.42913 | 6.50085 | 23.30915 | 44.58442 | 10.65614 | 55.55386 |
| 8/20/2025 | 1:00:00 PM | 33.91491 | 59.75861 | 25.8437 | 21.8863 | 46.98453 | 13.06962 | 25.58038 | 47.66054 | 13.74563 | 25.60437 | 40.42913 | 6.51422 | 23.29578 | 44.57012 | 10.65521 | 55.55479 |
| 8/20/2025 | 2:00:00 PM | 33.9216 | 59.77646 | 25.85486 | 21.87514 | 46.97782 | 13.05622 | 25.59378 | 47.6748 | 13.7532 | 25.5968 | 40.4327 | 6.5111 | 23.2989 | 44.57727 | 10.65567 | 55.55433 |
| 8/20/2025 | 3:00:00 PM | 33.91825 | 59.76575 | 25.8475 | 21.8825 | 46.96105 | 13.0428 | 25.6072 | 47.67124 | 13.75299 | 25.59701 | 40.4327 | 6.51445 | 23.29555 | 44.58442 | 10.66617 | 55.54383 |
| 8/20/2025 | 4:00:00 PM | 33.91491 | 59.75861 | 25.8437 | 21.8863 | 46.94093 | 13.02602 | 25.62398 | 47.66767 | 13.75276 | 25.59724 | 40.4327 | 6.51779 | 23.29221 | 44.58799 | 10.67308 | 55.53692 |
| 8/20/2025 | 5:00:00 PM | 33.9216 | 59.75861 | 25.83701 | 21.89299 | 46.91745 | 12.99585 | 25.65415 | 47.66054 | 13.73894 | 25.61106 | 40.43986 | 6.51826 | 23.29174 | 44.59157 | 10.66997 | 55.54003 |
| 8/20/2025 | 6:00:00 PM | 33.91491 | 59.75147 | 25.83656 | 21.89344 | 46.90068 | 12.98577 | 25.66423 | 47.65697 | 13.74206 | 25.60794 | 40.43628 | 6.52137 | 23.28863 | 44.59514 | 10.68023 | 55.52977 |
| 8/20/2025 | 7:00:00 PM | 33.90822 | 59.75147 | 25.84325 | 21.88675 | 46.8772 | 12.96898 | 25.68102 | 47.65341 | 13.74519 | 25.60481 | 40.4327 | 6.52448 | 23.28552 | 44.58799 | 10.67977 | 55.53023 |
| 8/20/2025 | 8:00:00 PM | 33.91156 | 59.75147 | 25.83991 | 21.89009 | 46.86379 | 12.95223 | 25.69777 | 47.66054 | 13.74898 | 25.60102 | 40.43986 | 6.5283 | 23.2817 | 44.60229 | 10.69073 | 55.51927 |
| 8/20/2025 | 9:00:00 PM | 33.9216 | 59.76575 | 25.84415 | 21.88585 | 46.86043 | 12.93883 | 25.71117 | 47.65341 | 13.73181 | 25.61819 | 40.44344 | 6.52184 | 23.28816 | 44.61658 | 10.69498 | 55.51502 |
| 8/20/2025 | 10:00:00 PM | 33.93832 | 59.76932 | 25.831 | 21.899 | 46.87049 | 12.93217 | 25.71783 | 47.65697 | 13.71865 | 25.63135 | 40.45059 | 6.51227 | 23.29773 | 44.61658 | 10.67826 | 55.53174 |
| 8/20/2025 | 11:00:00 PM | 33.92828 | 59.77646 | 25.84818 | 21.88182 | 46.87049 | 12.94221 | 25.70779 | 47.65697 | 13.72869 | 25.62131 | 40.44344 | 6.51516 | 23.29484 | 44.60944 | 10.68116 | 55.52884 |
| 8/21/2025 | 12:00:00 AM | 33.92828 | 59.77646 | 25.84818 | 21.88182 | 46.88726 | 12.95898 | 25.69102 | 47.66411 | 13.73583 | 25.61417 | 40.45417 | 6.52589 | 23.28411 | 44.61658 | 10.6883 | 55.5217 |
| 8/21/2025 | 1:00:00 AM | 33.93497 | 59.77646 | 25.84149 | 21.88851 | 46.90068 | 12.96571 | 25.68429 | 47.65341 | 13.71844 | 25.63156 | 40.44701 | 6.51204 | 23.29796 | 44.61658 | 10.68161 | 55.52839 |
| 8/21/2025 | 2:00:00 AM | 33.93497 | 59.77289 | 25.83792 | 21.89208 | 46.91409 | 12.97912 | 25.67088 | 47.65341 | 13.71844 | 25.63156 | 40.45059 | 6.51562 | 23.29438 | 44.61658 | 10.68161 | 55.52839 |
| 8/21/2025 | 3:00:00 AM | 33.9216 | 59.76575 | 25.84415 | 21.88585 | 46.91074 | 12.98914 | 25.66086 | 47.63915 | 13.71755 | 25.63245 | 40.44344 | 6.52184 | 23.28816 | 44.59871 | 10.67711 | 55.53289 |
| 8/21/2025 | 4:00:00 AM | 33.91825 | 59.77289 | 25.85464 | 21.87536 | 46.91745 | 12.9992 | 25.6508 | 47.63915 | 13.7209 | 25.6291 | 40.45059 | 6.53234 | 23.27766 | 44.60586 | 10.68761 | 55.52239 |
| 8/21/2025 | 5:00:00 AM | 33.90822 | 59.76575 | 25.85753 | 21.87247 | 46.9208 | 13.01258 | 25.63742 | 47.63202 | 13.7238 | 25.6262 | 40.43986 | 6.53164 | 23.27836 | 44.60586 | 10.69764 | 55.51236 |
| 8/21/2025 | 6:00:00 AM | 33.90488 | 59.76932 | 25.86444 | 21.86556 | 46.92751 | 13.02263 | 25.62737 | 47.63202 | 13.72714 | 25.62286 | 40.43986 | 6.53498 | 23.27502 | 44.60586 | 10.70098 | 55.50902 |
| 8/21/2025 | 7:00:00 AM | 33.91491 | 59.76575 | 25.85084 | 21.87916 | 46.93422 | 13.01931 | 25.63069 | 47.63915 | 13.72424 | 25.62576 | 40.43986 | 6.52495 | 23.28505 | 44.60586 | 10.69095 | 55.51905 |
| 8/21/2025 | 8:00:00 AM | 33.91491 | 59.77646 | 25.86155 | 21.86845 | 46.95099 | 13.03608 | 25.61392 | 47.63558 | 13.72067 | 25.62933 | 40.44344 | 6.52853 | 23.28147 | 44.61658 | 10.70167 | 55.50833 |
| 8/21/2025 | 9:00:00 AM | 33.91156 | 59.76575 | 25.85419 | 21.87581 | 46.95769 | 13.04613 | 25.60387 | 47.63915 | 13.72759 | 25.62241 | 40.43628 | 6.52472 | 23.28528 | 44.61301 | 10.70145 | 55.50855 |
| 8/21/2025 | 10:00:00 AM | 33.8915 | 59.75861 | 25.86711 | 21.86289 | 46.95099 | 13.05949 | 25.59051 | 47.62489 | 13.73339 | 25.61661 | 40.42555 | 6.53405 | 23.27595 | 44.60229 | 10.71079 | 55.49921 |
| 8/21/2025 | 11:00:00 AM | 33.87812 | 59.7479 | 25.86978 | 21.86022 | 46.93757 | 13.05945 | 25.59055 | 47.61419 | 13.73607 | 25.61393 | 40.41839 | 6.54027 | 23.26973 | 44.58799 | 10.70987 | 55.50013 |
| 8/21/2025 | 12:00:00 PM | 33.86809 | 59.73361 | 25.86552 | 21.86448 | 46.91745 | 13.04936 | 25.60064 | 47.59993 | 13.73184 | 25.61816 | 40.41481 | 6.54672 | 23.26328 | 44.57727 | 10.70918 | 55.50082 |
| 8/21/2025 | 1:00:00 PM | 33.84468 | 59.7229 | 25.87822 | 21.85178 | 46.90068 | 13.056 | 25.594 | 47.57497 | 13.73029 | 25.61971 | 40.39335 | 6.54867 | 23.26133 | 44.57012 | 10.72544 | 55.48456 |
| 8/21/2025 | 2:00:00 PM | 33.81459 | 59.6979 | 25.88331 | 21.84669 | 46.86714 | 13.05255 | 25.59745 | 47.56428 | 13.74969 | 25.60031 | 40.37546 | 6.56087 | 23.24913 | 44.56298 | 10.74839 | 55.46161 |
| 8/21/2025 | 3:00:00 PM | 33.79787 | 59.67648 | 25.87861 | 21.85139 | 46.82354 | 13.02567 | 25.62433 | 47.53576 | 13.73789 | 25.61211 | 40.3683 | 6.57043 | 23.23957 | 44.53796 | 10.74009 | 55.46991 |
| 8/21/2025 | 4:00:00 PM | 33.77112 | 59.65862 | 25.8875 | 21.8425 | 46.78665 | 13.01553 | 25.63447 | 47.5108 | 13.73968 | 25.61032 | 40.34684 | 6.57572 | 23.23428 | 44.53081 | 10.75969 | 55.45031 |
| 8/21/2025 | 5:00:00 PM | 33.75105 | 59.6372 | 25.88615 | 21.84385 | 46.7464 | 12.99535 | 25.65465 | 47.49297 | 13.74192 | 25.60808 | 40.32895 | 6.5779 | 23.2321 | 44.52366 | 10.77261 | 55.43739 |
| 8/21/2025 | 6:00:00 PM | 33.73768 | 59.62291 | 25.88523 | 21.84477 | 46.71622 | 12.97854 | 25.67146 | 47.47515 | 13.73747 | 25.61253 | 40.32179 | 6.58411 | 23.22589 | 44.52724 | 10.78956 | 55.42044 |
| 8/21/2025 | 7:00:00 PM | 33.73099 | 59.61577 | 25.88478 | 21.84522 | 46.68268 | 12.95169 | 25.69831 | 47.47515 | 13.74416 | 25.60584 | 40.31464 | 6.58365 | 23.22635 | 44.52724 | 10.79625 | 55.41375 |
| 8/21/2025 | 8:00:00 PM | 33.7243 | 59.60149 | 25.87719 | 21.85281 | 46.66591 | 12.94161 | 25.70839 | 47.45732 | 13.73302 | 25.61698 | 40.30032 | 6.57602 | 23.23398 | 44.53081 | 10.80651 | 55.40349 |
| 8/21/2025 | 9:00:00 PM | 33.73433 | 59.6122 | 25.87787 | 21.85213 | 46.65585 | 12.92152 | 25.72848 | 47.46802 | 13.73369 | 25.61631 | 40.29675 | 6.56242 | 23.24758 | 44.54511 | 10.81078 | 55.39922 |
| 8/21/2025 | 10:00:00 PM | 33.73099 | 59.61577 | 25.88478 | 21.84522 | 46.6592 | 12.92821 | 25.72179 | 47.46088 | 13.72989 | 25.62011 | 40.28959 | 6.5586 | 23.2514 | 44.54511 | 10.81412 | 55.39588 |
| 8/21/2025 | 11:00:00 PM | 33.73099 | 59.61577 | 25.88478 | 21.84522 | 46.66591 | 12.93492 | 25.71508 | 47.45732 | 13.72633 | 25.62367 | 40.28601 | 6.55502 | 23.25498 | 44.53438 | 10.80339 | 55.40661 |
| 8/22/2025 | 12:00:00 AM | 33.73768 | 59.6122 | 25.87452 | 21.85548 | 46.67261 | 12.93493 | 25.71507 | 47.45375 | 13.71607 | 25.63393 | 40.28244 | 6.54476 | 23.26524 | 44.54511 | 10.80743 | 55.40257 |
| 8/22/2025 | 1:00:00 AM | 33.72764 | 59.59792 | 25.87028 | 21.85972 | 46.67932 | 12.95168 | 25.69832 | 47.45019 | 13.72255 | 25.62745 | 40.27528 | 6.54764 | 23.26236 | 44.53438 | 10.80674 | 55.40326 |
| 8/22/2025 | 2:00:00 AM | 33.71427 | 59.59078 | 25.87651 | 21.85349 | 46.66926 | 12.95499 | 25.69501 | 47.4288 | 13.71453 | 25.63547 | 40.25739 | 6.54312 | 23.26688 | 44.51651 | 10.80224 | 55.40776 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/22/2025 | 3:00:00 AM | 33.70424 | 59.59792 | 25.89368 | 21.83632 | 46.68603 | 12.98179 | 25.66821 | 47.42523 | 13.72099 | 25.62901 | 40.26455 | 6.56031 | 23.24969 | 44.51651 | 10.81227 | 55.39773 |
| 8/22/2025 | 4:00:00 AM | 33.69755 | 59.58721 | 25.88966 | 21.84034 | 46.68938 | 12.99183 | 25.65817 | 47.42523 | 13.72768 | 25.62232 | 40.25739 | 6.55984 | 23.25016 | 44.51651 | 10.81896 | 55.39104 |
| 8/22/2025 | 5:00:00 AM | 33.70089 | 59.58363 | 25.88274 | 21.84726 | 46.69609 | 12.9952 | 25.6548 | 47.4181 | 13.71721 | 25.63279 | 40.24666 | 6.54577 | 23.26423 | 44.50937 | 10.80848 | 55.40152 |
| 8/22/2025 | 6:00:00 AM | 33.6942 | 59.58006 | 25.88586 | 21.84414 | 46.70615 | 13.01195 | 25.63805 | 47.4181 | 13.7239 | 25.6261 | 40.25024 | 6.55604 | 23.25396 | 44.50579 | 10.81159 | 55.39841 |
| 8/22/2025 | 7:00:00 AM | 33.70424 | 59.59435 | 25.89011 | 21.83989 | 46.72292 | 13.01868 | 25.63132 | 47.4288 | 13.72456 | 25.62544 | 40.24308 | 6.53884 | 23.27116 | 44.51651 | 10.81227 | 55.39773 |
| 8/22/2025 | 8:00:00 AM | 33.70424 | 59.58721 | 25.88297 | 21.84703 | 46.72963 | 13.02539 | 25.62461 | 47.4288 | 13.72456 | 25.62544 | 40.24666 | 6.54242 | 23.26758 | 44.51651 | 10.81227 | 55.39773 |
| 8/22/2025 | 9:00:00 AM | 33.71092 | 59.59435 | 25.88343 | 21.84657 | 46.73969 | 13.02877 | 25.62123 | 47.43949 | 13.72857 | 25.62143 | 40.24666 | 6.53574 | 23.27426 | 44.51651 | 10.80559 | 55.40441 |
| 8/22/2025 | 10:00:00 AM | 33.70089 | 59.58363 | 25.88274 | 21.84726 | 46.74305 | 13.04216 | 25.60784 | 47.42167 | 13.72078 | 25.62922 | 40.23235 | 6.53146 | 23.27854 | 44.50222 | 10.80133 | 55.40867 |
| 8/22/2025 | 11:00:00 AM | 33.70089 | 59.57292 | 25.87203 | 21.85797 | 46.73969 | 13.0388 | 25.6112 | 47.42167 | 13.72078 | 25.62922 | 40.23235 | 6.53146 | 23.27854 | 44.4915 | 10.79061 | 55.41939 |
| 8/22/2025 | 12:00:00 PM | 33.6708 | 59.55864 | 25.88784 | 21.84216 | 46.70951 | 13.03871 | 25.61129 | 47.39314 | 13.72234 | 25.62766 | 40.21446 | 6.54366 | 23.26634 | 44.47005 | 10.79925 | 55.41075 |
| 8/22/2025 | 1:00:00 PM | 33.65408 | 59.53364 | 25.87956 | 21.85044 | 46.68268 | 13.0286 | 25.6214 | 47.37888 | 13.7248 | 25.6252 | 40.20015 | 6.54607 | 23.26393 | 44.45218 | 10.7981 | 55.4119 |
| 8/22/2025 | 2:00:00 PM | 33.63067 | 59.51579 | 25.88512 | 21.84488 | 46.64914 | 13.01847 | 25.63153 | 47.35749 | 13.72682 | 25.62318 | 40.18583 | 6.55516 | 23.25484 | 44.44504 | 10.81437 | 55.39563 |
| 8/22/2025 | 3:00:00 PM | 33.60392 | 59.48722 | 25.8833 | 21.8467 | 46.60554 | 13.00162 | 25.64838 | 47.3361 | 13.73218 | 25.61782 | 40.16437 | 6.56045 | 23.24955 | 44.42717 | 10.82325 | 55.38675 |
| 8/22/2025 | 4:00:00 PM | 33.57716 | 59.46937 | 25.89221 | 21.83779 | 46.56529 | 12.98813 | 25.66187 | 47.30758 | 13.73042 | 25.61958 | 40.15006 | 6.5729 | 23.2371 | 44.41287 | 10.83571 | 55.37429 |
| 8/22/2025 | 5:00:00 PM | 33.55376 | 59.44437 | 25.89061 | 21.83939 | 46.5284 | 12.97464 | 25.67536 | 47.28619 | 13.73243 | 25.61757 | 40.12859 | 6.57483 | 23.23517 | 44.39858 | 10.84482 | 55.36518 |
| 8/22/2025 | 6:00:00 PM | 33.54372 | 59.43366 | 25.88994 | 21.84006 | 46.48815 | 12.94443 | 25.70557 | 47.26836 | 13.72464 | 25.62536 | 40.12143 | 6.57771 | 23.23229 | 44.39143 | 10.84771 | 55.36229 |
| 8/22/2025 | 7:00:00 PM | 33.53035 | 59.42295 | 25.8926 | 21.8374 | 46.45126 | 12.92091 | 25.72909 | 47.25766 | 13.72731 | 25.62269 | 40.1107 | 6.58035 | 23.22965 | 44.40215 | 10.8718 | 55.3382 |
| 8/22/2025 | 8:00:00 PM | 33.53035 | 59.4158 | 25.88545 | 21.84455 | 46.43449 | 12.90414 | 25.74586 | 47.25766 | 13.72731 | 25.62269 | 40.09997 | 6.56962 | 23.24038 | 44.4093 | 10.87895 | 55.33105 |
| 8/22/2025 | 9:00:00 PM | 33.55376 | 59.43723 | 25.88347 | 21.84653 | 46.43449 | 12.88073 | 25.76927 | 47.26836 | 13.7146 | 25.6354 | 40.1107 | 6.55694 | 23.25306 | 44.42359 | 10.86983 | 55.34017 |
| 8/22/2025 | 10:00:00 PM | 33.56713 | 59.44794 | 25.88081 | 21.84919 | 46.44455 | 12.87742 | 25.77258 | 47.27193 | 13.7048 | 25.6452 | 40.11428 | 6.54715 | 23.26285 | 44.43074 | 10.86361 | 55.34639 |
| 8/22/2025 | 11:00:00 PM | 33.57716 | 59.44437 | 25.86721 | 21.86279 | 46.46467 | 12.88751 | 25.76249 | 47.27549 | 13.69833 | 25.65167 | 40.1107 | 6.53354 | 23.27646 | 44.43431 | 10.85715 | 55.35285 |
| 8/23/2025 | 12:00:00 AM | 33.57716 | 59.4408 | 25.86364 | 21.86636 | 46.47474 | 12.89758 | 25.75242 | 47.27549 | 13.69833 | 25.65167 | 40.1107 | 6.53354 | 23.27646 | 44.43431 | 10.85715 | 55.35285 |
| 8/23/2025 | 1:00:00 AM | 33.58385 | 59.44794 | 25.86409 | 21.86591 | 46.48815 | 12.9043 | 25.7457 | 47.28262 | 13.69877 | 25.65123 | 40.1107 | 6.52685 | 23.28315 | 44.42002 | 10.83617 | 55.37383 |
| 8/23/2025 | 2:00:00 AM | 33.58385 | 59.44794 | 25.86409 | 21.86591 | 46.50492 | 12.92107 | 25.72893 | 47.27549 | 13.69164 | 25.65836 | 40.10355 | 6.5197 | 23.2903 | 44.42002 | 10.83617 | 55.37383 |
| 8/23/2025 | 3:00:00 AM | 33.58051 | 59.45508 | 25.87457 | 21.85543 | 46.51834 | 12.93783 | 25.71217 | 47.28262 | 13.70211 | 25.64789 | 40.10355 | 6.52304 | 23.28696 | 44.42002 | 10.83951 | 55.37049 |
| 8/23/2025 | 4:00:00 AM | 33.58385 | 59.45865 | 25.8748 | 21.8552 | 46.53175 | 12.9479 | 25.7021 | 47.27906 | 13.69521 | 25.65479 | 40.10712 | 6.52327 | 23.28673 | 44.42359 | 10.83974 | 55.37026 |
| 8/23/2025 | 5:00:00 AM | 33.59723 | 59.46223 | 25.865 | 21.865 | 46.55187 | 12.95464 | 25.69536 | 47.28262 | 13.68539 | 25.66461 | 40.11428 | 6.51705 | 23.29295 | 44.42359 | 10.82636 | 55.38364 |
| 8/23/2025 | 6:00:00 AM | 33.59388 | 59.4658 | 25.87192 | 21.85808 | 46.56529 | 12.97141 | 25.67859 | 47.29332 | 13.69944 | 25.65056 | 40.11428 | 6.5204 | 23.2896 | 44.41645 | 10.82257 | 55.38743 |
| 8/23/2025 | 7:00:00 AM | 33.60726 | 59.48008 | 25.87282 | 21.85718 | 46.58877 | 12.98151 | 25.66849 | 47.30045 | 13.69319 | 25.65681 | 40.12143 | 6.51417 | 23.29583 | 44.42359 | 10.81633 | 55.39367 |
| 8/23/2025 | 8:00:00 AM | 33.6106 | 59.47651 | 25.86591 | 21.86409 | 46.59212 | 12.98152 | 25.66848 | 47.30045 | 13.68985 | 25.66015 | 40.11428 | 6.50368 | 23.30632 | 44.41645 | 10.80585 | 55.40415 |
| 8/23/2025 | 9:00:00 AM | 33.59723 | 59.4658 | 25.86857 | 21.86143 | 46.59548 | 12.99825 | 25.65175 | 47.29332 | 13.69609 | 25.65391 | 40.11428 | 6.51705 | 23.29295 | 44.40572 | 10.80849 | 55.40151 |
| 8/23/2025 | 10:00:00 AM | 33.59054 | 59.4658 | 25.87526 | 21.85474 | 46.59548 | 13.00494 | 25.64506 | 47.28975 | 13.69921 | 25.65079 | 40.09997 | 6.50943 | 23.30057 | 44.38785 | 10.79731 | 55.41269 |
| 8/23/2025 | 11:00:00 AM | 33.58051 | 59.44437 | 25.86386 | 21.86614 | 46.58206 | 13.00155 | 25.64845 | 47.27549 | 13.69498 | 25.65502 | 40.09281 | 6.5123 | 23.2977 | 44.38071 | 10.8002 | 55.4098 |
| 8/23/2025 | 12:00:00 PM | 33.56713 | 59.4408 | 25.87367 | 21.85633 | 46.572 | 13.00487 | 25.64513 | 47.27193 | 13.7048 | 25.6452 | 40.08566 | 6.51853 | 23.29147 | 44.37356 | 10.80643 | 55.40357 |
| 8/23/2025 | 1:00:00 PM | 33.55041 | 59.43009 | 25.87968 | 21.85032 | 46.54181 | 12.9914 | 25.6586 | 47.25766 | 13.70725 | 25.64275 | 40.08208 | 6.53167 | 23.27833 | 44.35926 | 10.80885 | 55.40115 |
| 8/23/2025 | 2:00:00 PM | 33.53704 | 59.41223 | 25.87519 | 21.85481 | 46.51163 | 12.97459 | 25.67541 | 47.2434 | 13.70636 | 25.64364 | 40.07492 | 6.53788 | 23.27212 | 44.35212 | 10.81508 | 55.39492 |
| 8/23/2025 | 3:00:00 PM | 33.51363 | 59.38367 | 25.87004 | 21.85996 | 46.46803 | 12.9544 | 25.6956 | 47.21132 | 13.69769 | 25.65231 | 40.05346 | 6.53983 | 23.27017 | 44.33067 | 10.81704 | 55.39296 |
| 8/23/2025 | 4:00:00 PM | 33.49356 | 59.37295 | 25.87939 | 21.85061 | 46.42107 | 12.92751 | 25.72249 | 47.19705 | 13.70349 | 25.64651 | 40.0463 | 6.55274 | 23.25726 | 44.32352 | 10.82996 | 55.38004 |
| 8/23/2025 | 5:00:00 PM | 33.4735 | 59.3551 | 25.8816 | 21.8484 | 46.38418 | 12.91068 | 25.73932 | 47.1721 | 13.6986 | 25.6514 | 40.02841 | 6.55491 | 23.25509 | 44.31638 | 10.84288 | 55.36712 |
| 8/23/2025 | 6:00:00 PM | 33.4735 | 59.33724 | 25.86374 | 21.86626 | 46.34729 | 12.87379 | 25.77621 | 47.16497 | 13.69147 | 25.65853 | 40.02483 | 6.55133 | 23.25867 | 44.32352 | 10.85002 | 55.35998 |
| 8/23/2025 | 7:00:00 PM | 33.47016 | 59.34082 | 25.87066 | 21.85934 | 46.33052 | 12.86036 | 25.78964 | 47.15784 | 13.68768 | 25.66232 | 40.02126 | 6.5511 | 23.2589 | 44.32352 | 10.85336 | 55.35664 |
| 8/23/2025 | 8:00:00 PM | 33.48019 | 59.34796 | 25.86777 | 21.86223 | 46.32046 | 12.84027 | 25.80973 | 47.16497 | 13.68478 | 25.66522 | 40.02483 | 6.54464 | 23.26536 | 44.33425 | 10.85406 | 55.35594 |
| 8/23/2025 | 9:00:00 PM | 33.50025 | 59.36581 | 25.86556 | 21.86444 | 46.31375 | 12.8135 | 25.8365 | 47.17923 | 13.67898 | 25.67102 | 40.02483 | 6.52458 | 23.28542 | 44.35926 | 10.85901 | 55.35099 |
| 8/23/2025 | 10:00:00 PM | 33.51363 | 59.36938 | 25.85575 | 21.87425 | 46.33387 | 12.82024 | 25.82976 | 47.18279 | 13.66916 | 25.68084 | 40.03199 | 6.51836 | 23.29164 | 44.36284 | 10.84921 | 55.36079 |
| 8/23/2025 | 11:00:00 PM | 33.52032 | 59.36938 | 25.84906 | 21.88094 | 46.34393 | 12.82361 | 25.82639 | 47.19705 | 13.67673 | 25.67327 | 40.03557 | 6.51525 | 23.29475 | 44.36284 | 10.84252 | 55.36748 |
| 8/24/2025 | 12:00:00 AM | 33.52366 | 59.37295 | 25.84929 | 21.88071 | 46.36406 | 12.8404 | 25.8096 | 47.18279 | 13.65913 | 25.69087 | 40.03199 | 6.50833 | 23.30167 | 44.35212 | 10.82846 | 55.38154 |
| 8/24/2025 | 1:00:00 AM | 33.53035 | 59.37652 | 25.84617 | 21.88383 | 46.36741 | 12.83706 | 25.81294 | 47.18636 | 13.65601 | 25.69399 | 40.03199 | 6.50164 | 23.30836 | 44.34139 | 10.81104 | 55.39896 |
| 8/24/2025 | 2:00:00 AM | 33.51028 | 59.36224 | 25.85196 | 21.87804 | 46.37747 | 12.86719 | 25.78281 | 47.16853 | 13.65825 | 25.69175 | 40.02483 | 6.51455 | 23.29545 | 44.33067 | 10.82039 | 55.38961 |
| 8/24/2025 | 3:00:00 AM | 33.52366 | 59.37652 | 25.85286 | 21.87714 | 46.40095 | 12.87729 | 25.77271 | 47.17566 | 13.652 | 25.698 | 40.02841 | 6.50475 | 23.30525 | 44.34139 | 10.81773 | 55.39227 |
| 8/24/2025 | 4:00:00 AM | 33.527 | 59.37652 | 25.84952 | 21.88048 | 46.41101 | 12.88401 | 25.76599 | 47.1721 | 13.6451 | 25.7049 | 40.02841 | 6.50141 | 23.30859 | 44.33782 | 10.81082 | 55.39918 |
| 8/24/2025 | 5:00:00 AM | 33.53035 | 59.37295 | 25.8426 | 21.8874 | 46.42778 | 12.89743 | 25.75257 | 47.18279 | 13.65244 | 25.69756 | 40.03557 | 6.50522 | 23.30478 | 44.33425 | 10.8039 | 55.4061 |
| 8/24/2025 | 6:00:00 AM | 33.53035 | 59.38367 | 25.85332 | 21.87668 | 46.4479 | 12.91755 | 25.73245 | 47.17923 | 13.64888 | 25.70112 | 40.03199 | 6.50164 | 23.30836 | 44.34139 | 10.81104 | 55.39896 |
| 8/24/2025 | 7:00:00 AM | 33.54707 | 59.39438 | 25.84731 | 21.88269 | 46.47809 | 12.93102 | 25.71898 | 47.20775 | 13.66068 | 25.68932 | 40.04988 | 6.50281 | 23.30719 | 44.35212 | 10.80505 | 55.40495 |
| 8/24/2025 | 8:00:00 AM | 33.55376 | 59.4158 | 25.86204 | 21.86796 | 46.49486 | 12.9411 | 25.7089 | 47.21488 | 13.66112 | 25.68888 | 40.05346 | 6.4997 | 23.3103 | 44.35212 | 10.79836 | 55.41164 |
| 8/24/2025 | 9:00:00 AM | 33.56713 | 59.41937 | 25.85224 | 21.87776 | 46.51834 | 12.95121 | 25.69879 | 47.22914 | 13.66201 | 25.68799 | 40.05703 | 6.4899 | 23.3201 | 44.35569 | 10.78856 | 55.42144 |
| 8/24/2025 | 10:00:00 AM | 33.56379 | 59.40509 | 25.8413 | 21.8887 | 46.52504 | 12.96125 | 25.68875 | 47.22558 | 13.66179 | 25.68821 | 40.04988 | 6.48609 | 23.32391 | 44.35212 | 10.78833 | 55.42167 |
| 8/24/2025 | 11:00:00 AM | 33.56379 | 59.40866 | 25.84487 | 21.88513 | 46.51834 | 12.95455 | 25.69545 | 47.22558 | 13.66179 | 25.68821 | 40.05346 | 6.48967 | 23.32033 | 44.34497 | 10.78118 | 55.42882 |
| 8/24/2025 | 12:00:00 PM | 33.5571 | 59.40152 | 25.84442 | 21.88558 | 46.51163 | 12.95453 | 25.69547 | 47.22201 | 13.66491 | 25.68509 | 40.0463 | 6.4892 | 23.3208 | 44.33067 | 10.77357 | 55.43643 |
| 8/24/2025 | 1:00:00 PM | 33.54038 | 59.38724 | 25.84686 | 21.88314 | 46.49486 | 12.95448 | 25.69552 | 47.19705 | 13.65667 | 25.69333 | 40.04272 | 6.50234 | 23.30766 | 44.31638 | 10.776 | 55.434 |
| 8/24/2025 | 2:00:00 PM | 33.52366 | 59.38367 | 25.86001 | 21.86999 | 46.47474 | 12.95108 | 25.69892 | 47.19349 | 13.66983 | 25.68017 | 40.02841 | 6.50475 | 23.30525 | 44.3128 | 10.78914 | 55.42086 |
| 8/24/2025 | 3:00:00 PM | 33.5036 | 59.3551 | 25.8515 | 21.8785 | 46.42778 | 12.92418 | 25.72582 | 47.1721 | 13.6685 | 25.6815 | 40.02126 | 6.51766 | 23.29234 | 44.29493 | 10.79133 | 55.41867 |
| 8/24/2025 | 4:00:00 PM | 33.49022 | 59.34439 | 25.85417 | 21.87583 | 46.3976 | 12.90738 | 25.74262 | 47.15784 | 13.66762 | 25.68238 | 40.0141 | 6.52388 | 23.28612 | 44.28421 | 10.79399 | 55.41601 |
| 8/24/2025 | 5:00:00 PM | 33.48688 | 59.33367 | 25.84679 | 21.88321 | 46.3607 | 12.87382 | 25.77618 | 47.15427 | 13.66739 | 25.68261 | 40.01052 | 6.52364 | 23.28636 | 44.29851 | 10.81163 | 55.39837 |
| 8/24/2025 | 6:00:00 PM | 33.48688 | 59.3301 | 25.84322 | 21.88678 | 46.33052 | 12.84364 | 25.80636 | 47.14001 | 13.65313 | 25.69687 | 40.00694 | 6.52006 | 23.28994 | 44.29493 | 10.80805 | 55.40195 |
| 8/24/2025 | 7:00:00 PM | 33.49356 | 59.33367 | 25.84011 | 21.88989 | 46.30704 | 12.81348 | 25.83652 | 47.14714 | 13.65358 | 25.69642 | 40.01052 | 6.51696 | 23.29304 | 44.30208 | 10.80852 | 55.40148 |
| 8/24/2025 | 8:00:00 PM | 33.49691 | 59.33367 | 25.83676 | 21.89324 | 46.28356 | 12.78665 | 25.86335 | 47.14358 | 13.64667 | 25.70333 | 40.00337 | 6.50646 | 23.30354 | 44.30208 | 10.80517 | 55.40483 |
| 8/24/2025 | 9:00:00 PM | 33.51028 | 59.34082 | 25.83054 | 21.89946 | 46.28021 | 12.76993 | 25.88007 | 47.15427 | 13.64399 | 25.70601 | 40.01052 | 6.50024 | 23.30976 | 44.31995 | 10.80967 | 55.40033 |
| 8/24/2025 | 10:00:00 PM | 33.51363 | 59.34439 | 25.83076 | 21.89924 | 46.29698 | 12.78335 | 25.86665 | 47.15071 | 13.63708 | 25.71292 | 40.01768 | 6.50405 | 23.30595 | 44.32352 | 10.80989 | 55.40011 |
| 8/24/2025 | 11:00:00 PM | 33.52032 | 59.35153 | 25.83121 | 21.89879 | 46.30369 | 12.78337 | 25.86663 | 47.15427 | 13.63395 | 25.71605 | 40.0141 | 6.49378 | 23.31622 | 44.31995 | 10.79963 | 55.41037 |
| 8/25/2025 | 12:00:00 AM | 33.52366 | 59.34796 | 25.8243 | 21.9057 | 46.31375 | 12.79009 | 25.85991 | 47.1614 | 13.63774 | 25.71226 | 40.02483 | 6.50117 | 23.30883 | 44.31995 | 10.79629 | 55.41371 |
| 8/25/2025 | 1:00:00 AM | 33.53369 | 59.35867 | 25.82498 | 21.90502 | 46.33387 | 12.80018 | 25.84982 | 47.15071 | 13.61702 | 25.73298 | 40.0141 | 6.48041 | 23.32959 | 44.31995 | 10.78626 | 55.42374 |
| 8/25/2025 | 2:00:00 AM | 33.53035 | 59.35867 | 25.82832 | 21.90168 | 46.34729 | 12.81694 | 25.83306 | 47.15427 | 13.62392 | 25.72608 | 40.01768 | 6.48733 | 23.32267 | 44.3128 | 10.78245 | 55.42755 |
| 8/25/2025 | 3:00:00 AM | 33.527 | 59.35867 | 25.83167 | 21.89833 | 46.37077 | 12.84377 | 25.80623 | 47.15071 | 13.62371 | 25.72629 | 40.01052 | 6.48352 | 23.32648 | 44.30923 | 10.78223 | 55.42777 |
| 8/25/2025 | 4:00:00 AM | 33.53035 | 59.36581 | 25.83546 | 21.89454 | 46.38083 | 12.85048 | 25.79952 | 47.15784 | 13.62749 | 25.72251 | 40.01768 | 6.48733 | 23.32267 | 44.3128 | 10.78245 | 55.42755 |
| 8/25/2025 | 5:00:00 AM | 33.53704 | 59.37295 | 25.83591 | 21.89409 | 46.4043 | 12.86726 | 25.78274 | 47.1614 | 13.62436 | 25.72564 | 40.01768 | 6.48064 | 23.32936 | 44.30923 | 10.77219 | 55.43781 |
| 8/25/2025 | 6:00:00 AM | 33.54372 | 59.37652 | 25.8328 | 21.8972 | 46.41772 | 12.874 | 25.776 | 47.16853 | 13.62481 | 25.72519 | 40.02841 | 6.48469 | 23.32531 | 44.31995 | 10.77623 | 55.43377 |
| 8/25/2025 | 7:00:00 AM | 33.55376 | 59.39438 | 25.84062 | 21.88938 | 46.45126 | 12.8975 | 25.7525 | 47.17923 | 13.62547 | 25.72453 | 40.03915 | 6.48539 | 23.32461 | 44.33067 | 10.77691 | 55.43309 |
| 8/25/2025 | 8:00:00 AM | 33.5571 | 59.38724 | 25.83014 | 21.89986 | 46.46467 | 12.90757 | 25.74243 | 47.18636 | 13.62926 | 25.72074 | 40.03915 | 6.48205 | 23.32795 | 44.33067 | 10.77357 | 55.43643 |
| 8/25/2025 | 9:00:00 AM | 33.56713 | 59.40509 | 25.83796 | 21.89204 | 46.48144 | 12.91431 | 25.73569 | 47.19705 | 13.62992 | 25.72008 | 40.0463 | 6.47917 | 23.33083 | 44.33782 | 10.77069 | 55.43931 |
| 8/25/2025 | 10:00:00 AM | 33.57048 | 59.41223 | 25.84175 | 21.88825 | 46.50157 | 12.93109 | 25.71891 | 47.20775 | 13.63727 | 25.71273 | 40.04988 | 6.4794 | 23.3306 | 44.33782 | 10.76734 | 55.44266 |
| 8/25/2025 | 11:00:00 AM | 33.5571 | 59.39795 | 25.84085 | 21.88915 | 46.48815 | 12.93105 | 25.71895 | 47.18992 | 13.63282 | 25.71718 | 40.03915 | 6.48205 | 23.32795 | 44.31638 | 10.75928 | 55.45072 |
| 8/25/2025 | 12:00:00 PM | 33.55376 | 59.39795 | 25.84419 | 21.88581 | 46.48815 | 12.93439 | 25.71561 | 47.18992 | 13.63616 | 25.71384 | 40.03557 | 6.48181 | 23.32819 | 44.30565 | 10.75189 | 55.45811 |
| 8/25/2025 | 1:00:00 PM | 33.54038 | 59.38009 | 25.83971 | 21.89029 | 46.46803 | 12.92765 | 25.72235 | 47.17923 | 13.63885 | 25.71115 | 40.02841 | 6.48803 | 23.32197 | 44.29851 | 10.75813 | 55.45187 |
| 8/25/2025 | 2:00:00 PM | 33.54038 | 59.37295 | 25.83257 | 21.89743 | 46.45126 | 12.91088 | 25.73912 | 47.17923 | 13.63885 | 25.71115 | 40.02841 | 6.48803 | 23.32197 | 44.29851 | 10.75813 | 55.45187 |
| 8/25/2025 | 3:00:00 PM | 33.53035 | 59.35867 | 25.82832 | 21.90168 | 46.41101 | 12.88066 | 25.76934 | 47.16497 | 13.63462 | 25.71538 | 40.02483 | 6.49448 | 23.31552 | 44.28778 | 10.75743 | 55.45257 |
| 8/25/2025 | 4:00:00 PM | 33.5036 | 59.34439 | 25.84079 | 21.88921 | 46.36406 | 12.86046 | 25.78954 | 47.15071 | 13.64711 | 25.70289 | 40.00337 | 6.49977 | 23.31023 | 44.28064 | 10.77704 | 55.43296 |
| 8/25/2025 | 5:00:00 PM | 33.49691 | 59.33724 | 25.84033 | 21.88967 | 46.33723 | 12.84032 | 25.80968 | 47.14001 | 13.6431 | 25.7069 | 40.0141 | 6.51719 | 23.29281 | 44.28064 | 10.78373 | 55.42627 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/25/2025 | 6:00:00 PM | 33.49691 | 59.33724 | 25.84033 | 21.88967 | 46.30033 | 12.80342 | 25.84658 | 47.12931 | 13.6324 | 25.7176 | 40.00694 | 6.51003 | 23.29997 | 44.28778 | 10.79087 | 55.41913 |
| 8/25/2025 | 7:00:00 PM | 33.49691 | 59.3301 | 25.83319 | 21.89681 | 46.2735 | 12.77659 | 25.87341 | 47.12575 | 13.62884 | 25.72116 | 39.99979 | 6.50288 | 23.30712 | 44.28421 | 10.7873 | 55.4227 |
| 8/25/2025 | 8:00:00 PM | 33.51028 | 59.32653 | 25.81625 | 21.91375 | 46.26009 | 12.74981 | 25.90019 | 47.12931 | 13.61903 | 25.73097 | 40.01052 | 6.50024 | 23.30976 | 44.30565 | 10.79537 | 55.41463 |
| 8/25/2025 | 9:00:00 PM | 33.527 | 59.34796 | 25.82096 | 21.90904 | 46.26009 | 12.73309 | 25.91691 | 47.14001 | 13.61301 | 25.73699 | 40.0141 | 6.4871 | 23.3229 | 44.3128 | 10.7858 | 55.4242 |
| 8/25/2025 | 10:00:00 PM | 33.54707 | 59.3551 | 25.80803 | 21.92197 | 46.28356 | 12.73649 | 25.91351 | 47.15427 | 13.6072 | 25.7428 | 40.02126 | 6.47419 | 23.33581 | 44.32352 | 10.77645 | 55.43355 |
| 8/25/2025 | 11:00:00 PM | 33.5571 | 59.36938 | 25.81228 | 21.91772 | 46.30033 | 12.74323 | 25.90677 | 47.15427 | 13.59717 | 25.75283 | 40.02841 | 6.47131 | 23.33869 | 44.33067 | 10.77357 | 55.43643 |
| 8/26/2025 | 12:00:00 AM | 33.5571 | 59.37295 | 25.81585 | 21.91415 | 46.32046 | 12.76336 | 25.88664 | 47.1614 | 13.6043 | 25.7457 | 40.02841 | 6.47131 | 23.33869 | 44.32352 | 10.76642 | 55.44358 |
| 8/26/2025 | 1:00:00 AM | 33.56044 | 59.36938 | 25.80894 | 21.92106 | 46.33723 | 12.77679 | 25.87321 | 47.1614 | 13.60096 | 25.74904 | 40.03199 | 6.47155 | 23.33845 | 44.30923 | 10.74879 | 55.46121 |
| 8/26/2025 | 2:00:00 AM | 33.5571 | 59.36581 | 25.80871 | 21.92129 | 46.34729 | 12.79019 | 25.85981 | 47.15427 | 13.59717 | 25.75283 | 40.02483 | 6.46773 | 23.34227 | 44.3128 | 10.7557 | 55.4543 |
| 8/26/2025 | 3:00:00 AM | 33.54372 | 59.36224 | 25.81852 | 21.91148 | 46.35735 | 12.81363 | 25.83637 | 47.15071 | 13.60699 | 25.74301 | 40.02841 | 6.48469 | 23.32531 | 44.30923 | 10.76551 | 55.44449 |
| 8/26/2025 | 4:00:00 AM | 33.55376 | 59.37652 | 25.82276 | 21.90724 | 46.37077 | 12.81701 | 25.83299 | 47.15427 | 13.60051 | 25.74949 | 40.02841 | 6.47465 | 23.33535 | 44.30565 | 10.75189 | 55.45811 |
| 8/26/2025 | 5:00:00 AM | 33.5571 | 59.37652 | 25.81942 | 21.91058 | 46.38418 | 12.82708 | 25.82292 | 47.15071 | 13.59361 | 25.75639 | 40.03199 | 6.47489 | 23.33511 | 44.30565 | 10.74855 | 55.46145 |
| 8/26/2025 | 6:00:00 AM | 33.55376 | 59.37652 | 25.82276 | 21.90724 | 46.40095 | 12.84719 | 25.80281 | 47.15427 | 13.60051 | 25.74949 | 40.02841 | 6.47465 | 23.33535 | 44.30565 | 10.75189 | 55.45811 |
| 8/26/2025 | 7:00:00 AM | 33.55376 | 59.38367 | 25.82991 | 21.90009 | 46.42443 | 12.87067 | 25.77933 | 47.16497 | 13.61121 | 25.73879 | 40.03199 | 6.47823 | 23.33177 | 44.30923 | 10.75547 | 55.45453 |
| 8/26/2025 | 8:00:00 AM | 33.5571 | 59.38367 | 25.82657 | 21.90343 | 46.4412 | 12.8841 | 25.7659 | 47.16853 | 13.61143 | 25.73857 | 40.04272 | 6.48562 | 23.32438 | 44.3128 | 10.7557 | 55.4543 |
| 8/26/2025 | 9:00:00 AM | 33.57048 | 59.39438 | 25.8239 | 21.9061 | 46.45461 | 12.88413 | 25.76587 | 47.17923 | 13.60875 | 25.74125 | 40.03557 | 6.46509 | 23.34491 | 44.31995 | 10.74947 | 55.46053 |
| 8/26/2025 | 10:00:00 AM | 33.55376 | 59.39081 | 25.83705 | 21.89295 | 46.46132 | 12.90756 | 25.74244 | 47.16853 | 13.61477 | 25.73523 | 40.03199 | 6.47823 | 23.33177 | 44.30923 | 10.75547 | 55.45453 |
| 8/26/2025 | 11:00:00 AM | 33.55041 | 59.38009 | 25.82968 | 21.90032 | 46.45126 | 12.90085 | 25.74915 | 47.1614 | 13.61099 | 25.73901 | 40.02483 | 6.47442 | 23.33558 | 44.29493 | 10.74452 | 55.46548 |
| 8/26/2025 | 12:00:00 PM | 33.527 | 59.36224 | 25.83524 | 21.89476 | 46.43114 | 12.90414 | 25.74586 | 47.14358 | 13.61658 | 25.73342 | 40.0141 | 6.4871 | 23.3229 | 44.28064 | 10.75364 | 55.45636 |
| 8/26/2025 | 1:00:00 PM | 33.50025 | 59.33724 | 25.83699 | 21.89301 | 46.40095 | 12.9007 | 25.7493 | 47.12575 | 13.6255 | 25.7245 | 39.99979 | 6.49954 | 23.31046 | 44.26992 | 10.76967 | 55.44033 |
| 8/26/2025 | 2:00:00 PM | 33.49022 | 59.33724 | 25.84702 | 21.88298 | 46.37077 | 12.88055 | 25.76945 | 47.11862 | 13.6284 | 25.7216 | 39.99263 | 6.50241 | 23.30759 | 44.26277 | 10.77255 | 55.43745 |
| 8/26/2025 | 3:00:00 PM | 33.47016 | 59.31582 | 25.84566 | 21.88434 | 46.32716 | 12.857 | 25.793 | 47.09366 | 13.6235 | 25.7265 | 39.9819 | 6.51174 | 23.29826 | 44.25562 | 10.78546 | 55.42454 |
| 8/26/2025 | 4:00:00 PM | 33.46347 | 59.29796 | 25.83449 | 21.89551 | 46.29363 | 12.83016 | 25.81984 | 47.08297 | 13.6195 | 25.7305 | 39.97832 | 6.51485 | 23.29515 | 44.25205 | 10.78858 | 55.42142 |
| 8/26/2025 | 5:00:00 PM | 33.45678 | 59.28368 | 25.8269 | 21.9031 | 46.25003 | 12.79325 | 25.85675 | 47.07227 | 13.61549 | 25.73451 | 39.97117 | 6.51439 | 23.29561 | 44.24847 | 10.79169 | 55.41831 |
| 8/26/2025 | 6:00:00 PM | 33.44675 | 59.27297 | 25.82622 | 21.90378 | 46.21313 | 12.76638 | 25.88362 | 47.06514 | 13.61839 | 25.73161 | 39.95686 | 6.51011 | 23.29989 | 44.23775 | 10.791 | 55.419 |
| 8/26/2025 | 7:00:00 PM | 33.45009 | 59.27654 | 25.82645 | 21.90355 | 46.18295 | 12.73286 | 25.91714 | 47.05801 | 13.60792 | 25.74208 | 39.95686 | 6.50677 | 23.30323 | 44.25205 | 10.80196 | 55.40804 |
| 8/26/2025 | 8:00:00 PM | 33.48019 | 59.29796 | 25.81777 | 21.91223 | 46.18295 | 12.70276 | 25.94724 | 47.07227 | 13.59208 | 25.75792 | 39.97117 | 6.49098 | 23.31902 | 44.28064 | 10.80045 | 55.40955 |
| 8/26/2025 | 9:00:00 PM | 33.49022 | 59.30511 | 25.81489 | 21.91511 | 46.1863 | 12.69608 | 25.95392 | 47.08297 | 13.59275 | 25.75725 | 39.97474 | 6.48452 | 23.32548 | 44.29136 | 10.80114 | 55.40886 |
| 8/26/2025 | 10:00:00 PM | 33.5036 | 59.31582 | 25.81222 | 21.91778 | 46.19636 | 12.69276 | 25.95724 | 47.09366 | 13.59006 | 25.75994 | 39.97832 | 6.47472 | 23.33528 | 44.29493 | 10.79133 | 55.41867 |
| 8/26/2025 | 11:00:00 PM | 33.51028 | 59.31225 | 25.80197 | 21.92803 | 46.20978 | 12.6995 | 25.9505 | 47.0901 | 13.57982 | 25.77018 | 39.97832 | 6.46804 | 23.34196 | 44.29851 | 10.78823 | 55.42177 |
| 8/27/2025 | 12:00:00 AM | 33.5036 | 59.31582 | 25.81222 | 21.91778 | 46.21984 | 12.71624 | 25.93376 | 47.08653 | 13.58293 | 25.76707 | 39.96759 | 6.46399 | 23.34601 | 44.26992 | 10.76632 | 55.44368 |
| 8/27/2025 | 1:00:00 AM | 33.49691 | 59.30511 | 25.8082 | 21.9218 | 46.2299 | 12.73299 | 25.91701 | 47.07227 | 13.57536 | 25.77464 | 39.97117 | 6.47426 | 23.33574 | 44.26634 | 10.76943 | 55.44057 |
| 8/27/2025 | 2:00:00 AM | 33.5036 | 59.30868 | 25.80508 | 21.92492 | 46.24667 | 12.74307 | 25.90693 | 47.07584 | 13.57224 | 25.77776 | 39.97474 | 6.47114 | 23.33886 | 44.26634 | 10.76274 | 55.44726 |
| 8/27/2025 | 3:00:00 AM | 33.49691 | 59.30868 | 25.81177 | 21.91823 | 46.26344 | 12.76653 | 25.88347 | 47.0687 | 13.57179 | 25.77821 | 39.97117 | 6.47426 | 23.33574 | 44.25919 | 10.76228 | 55.44772 |
| 8/27/2025 | 4:00:00 AM | 33.5036 | 59.31225 | 25.80865 | 21.92135 | 46.28356 | 12.77996 | 25.87004 | 47.0687 | 13.5651 | 25.7849 | 39.97832 | 6.47472 | 23.33528 | 44.26992 | 10.76632 | 55.44368 |
| 8/27/2025 | 5:00:00 AM | 33.52032 | 59.3301 | 25.80978 | 21.92022 | 46.30704 | 12.78672 | 25.86328 | 47.09366 | 13.57334 | 25.77666 | 39.9819 | 6.46158 | 23.34842 | 44.27349 | 10.75317 | 55.45683 |
| 8/27/2025 | 6:00:00 AM | 33.527 | 59.34439 | 25.81739 | 21.91261 | 46.33723 | 12.81023 | 25.83977 | 47.10079 | 13.57379 | 25.77621 | 39.98906 | 6.46206 | 23.34794 | 44.28421 | 10.75721 | 55.45279 |
| 8/27/2025 | 7:00:00 AM | 33.56379 | 59.36581 | 25.80202 | 21.92798 | 46.38753 | 12.82374 | 25.82626 | 47.13288 | 13.56909 | 25.78091 | 40.01768 | 6.45389 | 23.35611 | 44.32352 | 10.75973 | 55.45027 |
| 8/27/2025 | 8:00:00 AM | 33.58051 | 59.38367 | 25.80316 | 21.92684 | 46.41772 | 12.83721 | 25.81279 | 47.15784 | 13.57733 | 25.77267 | 40.03199 | 6.45148 | 23.35852 | 44.33067 | 10.75016 | 55.45984 |
| 8/27/2025 | 9:00:00 AM | 33.5872 | 59.39795 | 25.81075 | 21.91925 | 46.43449 | 12.84729 | 25.80271 | 47.16853 | 13.58133 | 25.76867 | 40.02841 | 6.44121 | 23.36879 | 44.3271 | 10.7399 | 55.4701 |
| 8/27/2025 | 10:00:00 AM | 33.59388 | 59.40509 | 25.81121 | 21.91879 | 46.45797 | 12.86409 | 25.78591 | 47.18279 | 13.58891 | 25.76109 | 40.03915 | 6.44527 | 23.36473 | 44.32352 | 10.72964 | 55.48036 |
| 8/27/2025 | 11:00:00 AM | 33.59388 | 59.39795 | 25.80407 | 21.92593 | 46.46132 | 12.86744 | 25.78256 | 47.17566 | 13.58178 | 25.76822 | 40.03557 | 6.44169 | 23.36831 | 44.3128 | 10.71892 | 55.49108 |
| 8/27/2025 | 12:00:00 PM | 33.5872 | 59.39438 | 25.80718 | 21.92282 | 46.46803 | 12.88083 | 25.76917 | 47.17923 | 13.59203 | 25.75797 | 40.03557 | 6.44837 | 23.36163 | 44.30565 | 10.71845 | 55.49155 |
| 8/27/2025 | 1:00:00 PM | 33.5872 | 59.40866 | 25.82146 | 21.90854 | 46.47138 | 12.88418 | 25.76582 | 47.18636 | 13.59916 | 25.75084 | 40.03915 | 6.45195 | 23.35805 | 44.30923 | 10.72203 | 55.48797 |
| 8/27/2025 | 2:00:00 PM | 33.59054 | 59.40509 | 25.81455 | 21.91545 | 46.45461 | 12.86407 | 25.78593 | 47.17923 | 13.58869 | 25.76131 | 40.04272 | 6.45218 | 23.35782 | 44.30208 | 10.71154 | 55.49846 |
| 8/27/2025 | 3:00:00 PM | 33.59054 | 59.39438 | 25.80384 | 21.92616 | 46.43114 | 12.8406 | 25.8094 | 47.17566 | 13.58512 | 25.76488 | 40.0463 | 6.45576 | 23.35424 | 44.29851 | 10.70797 | 55.50203 |
| 8/27/2025 | 4:00:00 PM | 33.59723 | 59.39795 | 25.80072 | 21.92928 | 46.41772 | 12.82049 | 25.82951 | 47.18992 | 13.59269 | 25.75731 | 40.04988 | 6.45265 | 23.35735 | 44.3128 | 10.71557 | 55.49443 |
| 8/27/2025 | 5:00:00 PM | 33.6106 | 59.40152 | 25.79092 | 21.93908 | 46.38753 | 12.77693 | 25.87307 | 47.19349 | 13.58289 | 25.76711 | 40.05703 | 6.44643 | 23.36357 | 44.31638 | 10.70578 | 55.50422 |
| 8/27/2025 | 6:00:00 PM | 33.59723 | 59.39438 | 25.79715 | 21.93285 | 46.34729 | 12.75006 | 25.89994 | 47.17923 | 13.582 | 25.768 | 40.0463 | 6.44907 | 23.36093 | 44.30923 | 10.712 | 55.498 |
| 8/27/2025 | 7:00:00 PM | 33.59723 | 59.38724 | 25.79001 | 21.93999 | 46.3171 | 12.71987 | 25.93013 | 47.1721 | 13.57487 | 25.77513 | 40.05703 | 6.4598 | 23.3502 | 44.3128 | 10.71557 | 55.49443 |
| 8/27/2025 | 8:00:00 PM | 33.59388 | 59.37295 | 25.77907 | 21.95093 | 46.29027 | 12.69639 | 25.95361 | 47.16853 | 13.57465 | 25.77535 | 40.04988 | 6.456 | 23.354 | 44.30923 | 10.71535 | 55.49465 |
| 8/27/2025 | 9:00:00 PM | 33.60726 | 59.39438 | 25.78712 | 21.94288 | 46.29698 | 12.68972 | 25.96028 | 47.17923 | 13.57197 | 25.77803 | 40.05703 | 6.44977 | 23.36023 | 44.31995 | 10.71269 | 55.49731 |
| 8/27/2025 | 10:00:00 PM | 33.62064 | 59.39438 | 25.77374 | 21.95626 | 46.30369 | 12.68305 | 25.96695 | 47.16853 | 13.54789 | 25.80211 | 40.06061 | 6.43997 | 23.37003 | 44.31638 | 10.69574 | 55.51426 |
| 8/27/2025 | 11:00:00 PM | 33.6106 | 59.40509 | 25.79449 | 21.93551 | 46.3171 | 12.7065 | 25.9435 | 47.17566 | 13.56506 | 25.78494 | 40.06419 | 6.45359 | 23.35641 | 44.32352 | 10.71292 | 55.49708 |
| 8/28/2025 | 12:00:00 AM | 33.63067 | 59.41937 | 25.7887 | 21.9413 | 46.34729 | 12.71662 | 25.93338 | 47.18279 | 13.55212 | 25.79788 | 40.07492 | 6.44425 | 23.36575 | 44.33425 | 10.70358 | 55.50642 |
| 8/28/2025 | 1:00:00 AM | 33.65073 | 59.42652 | 25.77579 | 21.95421 | 46.37412 | 12.72339 | 25.92661 | 47.20419 | 13.55346 | 25.79654 | 40.08923 | 6.4385 | 23.3715 | 44.34854 | 10.69781 | 55.51219 |
| 8/28/2025 | 2:00:00 AM | 33.64739 | 59.43366 | 25.78627 | 21.94373 | 46.38753 | 12.74014 | 25.90986 | 47.19349 | 13.5461 | 25.8039 | 40.08208 | 6.43469 | 23.37531 | 44.33425 | 10.68686 | 55.52314 |
| 8/28/2025 | 3:00:00 AM | 33.65742 | 59.44437 | 25.78695 | 21.94305 | 46.40766 | 12.75024 | 25.89976 | 47.21132 | 13.5539 | 25.7961 | 40.09639 | 6.43897 | 23.37103 | 44.34497 | 10.68755 | 55.52245 |
| 8/28/2025 | 4:00:00 AM | 33.65408 | 59.45151 | 25.79743 | 21.93257 | 46.43114 | 12.77706 | 25.87294 | 47.21488 | 13.5608 | 25.7892 | 40.09639 | 6.44231 | 23.36769 | 44.34497 | 10.69089 | 55.51911 |
| 8/28/2025 | 5:00:00 AM | 33.65742 | 59.44794 | 25.79052 | 21.93948 | 46.44455 | 12.78713 | 25.86287 | 47.21132 | 13.5539 | 25.7961 | 40.09281 | 6.43539 | 23.37461 | 44.34497 | 10.68755 | 55.52245 |
| 8/28/2025 | 6:00:00 AM | 33.65408 | 59.44794 | 25.79386 | 21.93614 | 46.46803 | 12.81395 | 25.83605 | 47.21488 | 13.5608 | 25.7892 | 40.09997 | 6.44589 | 23.36411 | 44.34139 | 10.68731 | 55.52269 |
| 8/28/2025 | 7:00:00 AM | 33.66411 | 59.45508 | 25.79097 | 21.93903 | 46.47809 | 12.81398 | 25.83602 | 47.22201 | 13.5579 | 25.7921 | 40.09639 | 6.43228 | 23.37772 | 44.34497 | 10.68086 | 55.52914 |
| 8/28/2025 | 8:00:00 AM | 33.6708 | 59.46937 | 25.79857 | 21.93143 | 46.49821 | 12.82741 | 25.82259 | 47.23271 | 13.56191 | 25.78809 | 40.11428 | 6.44348 | 23.36652 | 44.35569 | 10.68489 | 55.52511 |
| 8/28/2025 | 9:00:00 AM | 33.68417 | 59.49079 | 25.80662 | 21.92338 | 46.53175 | 12.84758 | 25.80242 | 47.2541 | 13.56993 | 25.78007 | 40.11786 | 6.43369 | 23.37631 | 44.37356 | 10.68939 | 55.52061 |
| 8/28/2025 | 10:00:00 AM | 33.69086 | 59.49079 | 25.79993 | 21.93007 | 46.54852 | 12.85766 | 25.79234 | 47.26123 | 13.57037 | 25.77963 | 40.12859 | 6.43773 | 23.37227 | 44.37356 | 10.6827 | 55.5273 |
| 8/28/2025 | 11:00:00 AM | 33.68752 | 59.48722 | 25.7997 | 21.9303 | 46.56194 | 12.87442 | 25.77558 | 47.26123 | 13.57371 | 25.77629 | 40.12501 | 6.43749 | 23.37251 | 44.36998 | 10.68246 | 55.52754 |
| 8/28/2025 | 12:00:00 PM | 33.68083 | 59.48365 | 25.80282 | 21.92718 | 46.56194 | 12.88111 | 25.76889 | 47.2541 | 13.57327 | 25.77673 | 40.12143 | 6.4406 | 23.3694 | 44.35569 | 10.67486 | 55.53514 |
| 8/28/2025 | 1:00:00 PM | 33.68083 | 59.48722 | 25.80639 | 21.92361 | 46.56864 | 12.88781 | 25.76219 | 47.26479 | 13.58396 | 25.76604 | 40.12859 | 6.44776 | 23.36224 | 44.35569 | 10.67486 | 55.53514 |
| 8/28/2025 | 2:00:00 PM | 33.6708 | 59.47651 | 25.80571 | 21.92429 | 46.57535 | 12.90455 | 25.74545 | 47.24697 | 13.57617 | 25.77383 | 40.11786 | 6.44706 | 23.36294 | 44.34497 | 10.67417 | 55.53583 |
| 8/28/2025 | 3:00:00 PM | 33.65742 | 59.46937 | 25.81195 | 21.91805 | 46.55523 | 12.89781 | 25.75219 | 47.2434 | 13.58598 | 25.76402 | 40.1107 | 6.45328 | 23.35672 | 44.34497 | 10.68755 | 55.52245 |
| 8/28/2025 | 4:00:00 PM | 33.63736 | 59.45865 | 25.82129 | 21.90871 | 46.53511 | 12.89775 | 25.75225 | 47.21845 | 13.58109 | 25.76891 | 40.09639 | 6.45903 | 23.35097 | 44.32352 | 10.68616 | 55.52384 |
| 8/28/2025 | 5:00:00 PM | 33.61729 | 59.45151 | 25.83422 | 21.89578 | 46.51834 | 12.90105 | 25.74895 | 47.21132 | 13.59403 | 25.75597 | 40.09639 | 6.4791 | 23.3309 | 44.31995 | 10.70266 | 55.50734 |
| 8/28/2025 | 6:00:00 PM | 33.60057 | 59.43009 | 25.82952 | 21.90048 | 46.49486 | 12.89429 | 25.75571 | 47.19349 | 13.59292 | 25.75708 | 40.07492 | 6.47435 | 23.33565 | 44.30923 | 10.70866 | 55.50134 |
| 8/28/2025 | 7:00:00 PM | 33.60726 | 59.42652 | 25.81926 | 21.91074 | 46.48144 | 12.87418 | 25.77582 | 47.19349 | 13.58623 | 25.76377 | 40.0785 | 6.47124 | 23.33876 | 44.31995 | 10.71269 | 55.49731 |
| 8/28/2025 | 8:00:00 PM | 33.60392 | 59.42652 | 25.8226 | 21.9074 | 46.47809 | 12.87417 | 25.77583 | 47.20062 | 13.5967 | 25.7533 | 40.0785 | 6.47458 | 23.33542 | 44.33425 | 10.73033 | 55.47967 |
| 8/28/2025 | 9:00:00 PM | 33.61395 | 59.43366 | 25.81971 | 21.91029 | 46.47138 | 12.85743 | 25.79257 | 47.20419 | 13.59024 | 25.75976 | 40.0785 | 6.46455 | 23.34545 | 44.34139 | 10.72744 | 55.48256 |
| 8/28/2025 | 10:00:00 PM | 33.61729 | 59.45151 | 25.83422 | 21.89578 | 46.47138 | 12.85409 | 25.79591 | 47.20062 | 13.58333 | 25.76667 | 40.0785 | 6.46121 | 23.34879 | 44.34854 | 10.73125 | 55.47875 |
| 8/28/2025 | 11:00:00 PM | 33.62064 | 59.4408 | 25.82016 | 21.90984 | 46.48815 | 12.86751 | 25.78249 | 47.20419 | 13.58355 | 25.76645 | 40.08208 | 6.46144 | 23.34856 | 44.35212 | 10.73148 | 55.47852 |
| 8/29/2025 | 12:00:00 AM | 33.61729 | 59.43723 | 25.81994 | 21.91006 | 46.49151 | 12.87422 | 25.77578 | 47.19349 | 13.5762 | 25.7738 | 40.06777 | 6.45048 | 23.35952 | 44.33782 | 10.72053 | 55.48947 |
| 8/29/2025 | 1:00:00 AM | 33.61395 | 59.43366 | 25.81971 | 21.91029 | 46.49486 | 12.88091 | 25.76909 | 47.20775 | 13.5938 | 25.7562 | 40.06777 | 6.45382 | 23.35618 | 44.33067 | 10.71672 | 55.49328 |
| 8/29/2025 | 2:00:00 AM | 33.61395 | 59.43366 | 25.81971 | 21.91029 | 46.50492 | 12.89097 | 25.75903 | 47.21132 | 13.59737 | 25.75263 | 40.07492 | 6.46097 | 23.34903 | 44.33782 | 10.72387 | 55.48613 |
| 8/29/2025 | 3:00:00 AM | 33.61729 | 59.43366 | 25.81637 | 21.91363 | 46.52169 | 12.9044 | 25.7456 | 47.20419 | 13.5869 | 25.7631 | 40.07492 | 6.45763 | 23.35237 | 44.33782 | 10.72053 | 55.48947 |
| 8/29/2025 | 4:00:00 AM | 33.63401 | 59.44794 | 25.81393 | 21.91607 | 46.54852 | 12.91451 | 25.73549 | 47.22201 | 13.588 | 25.762 | 40.08923 | 6.45522 | 23.35478 | 44.35569 | 10.72168 | 55.48832 |
| 8/29/2025 | 5:00:00 AM | 33.63736 | 59.4658 | 25.82844 | 21.90156 | 46.55858 | 12.92122 | 25.72878 | 47.22558 | 13.58822 | 25.76178 | 40.08566 | 6.4483 | 23.3617 | 44.35212 | 10.71476 | 55.49524 |
| 8/29/2025 | 6:00:00 AM | 33.65408 | 59.46937 | 25.81529 | 21.91471 | 46.58541 | 12.93133 | 25.71867 | 47.23984 | 13.58576 | 25.76424 | 40.08923 | 6.43515 | 23.37485 | 44.36998 | 10.7159 | 55.4941 |
| 8/29/2025 | 7:00:00 AM | 33.67414 | 59.48722 | 25.81308 | 21.91692 | 46.60889 | 12.93475 | 25.71525 | 47.25766 | 13.58352 | 25.76648 | 40.10355 | 6.42941 | 23.38059 | 44.37713 | 10.70299 | 55.50701 |
| 8/29/2025 | 8:00:00 AM | 33.67748 | 59.49436 | 25.81688 | 21.91312 | 46.62901 | 12.95153 | 25.69847 | 47.26836 | 13.59088 | 25.75912 | 40.1107 | 6.43322 | 23.37678 | 44.38428 | 10.7068 | 55.5032 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/29/2025 | 9:00:00 AM | 33.68417 | 59.49436 | 25.81019 | 21.91981 | 46.63908 | 12.95491 | 25.69509 | 47.27906 | 13.59489 | 25.75511 | 40.11786 | 6.43369 | 23.37631 | 44.37356 | 10.68939 | 55.52061 |
| 8/29/2025 | 10:00:00 AM | 33.6942 | 59.50508 | 25.81088 | 21.91912 | 46.65249 | 12.95829 | 25.69171 | 47.29332 | 13.59912 | 25.75088 | 40.12143 | 6.42723 | 23.38277 | 44.38428 | 10.69008 | 55.51992 |
| 8/29/2025 | 11:00:00 AM | 33.70758 | 59.5265 | 25.81892 | 21.91108 | 46.66926 | 12.96168 | 25.68832 | 47.30758 | 13.6 | 25.75 | 40.13217 | 6.42459 | 23.38541 | 44.395 | 10.68742 | 55.52258 |
| 8/29/2025 | 12:00:00 PM | 33.71092 | 59.52293 | 25.81201 | 21.91799 | 46.66926 | 12.95834 | 25.69166 | 47.30401 | 13.59309 | 25.75691 | 40.13217 | 6.42125 | 23.38875 | 44.395 | 10.68408 | 55.52592 |
| 8/29/2025 | 1:00:00 PM | 33.70089 | 59.51579 | 25.8149 | 21.9151 | 46.66591 | 12.96502 | 25.68498 | 47.30758 | 13.60669 | 25.74331 | 40.13217 | 6.43128 | 23.37872 | 44.38071 | 10.67982 | 55.53018 |
| 8/29/2025 | 2:00:00 PM | 33.70089 | 59.50508 | 25.80419 | 21.92581 | 46.64914 | 12.94825 | 25.70175 | 47.30401 | 13.60312 | 25.74688 | 40.12859 | 6.4277 | 23.3823 | 44.37713 | 10.67624 | 55.53376 |
| 8/29/2025 | 3:00:00 PM | 33.68752 | 59.5015 | 25.81398 | 21.91602 | 46.62231 | 12.93479 | 25.71521 | 47.28975 | 13.60223 | 25.74777 | 40.12501 | 6.43749 | 23.37251 | 44.35926 | 10.67174 | 55.53826 |
| 8/29/2025 | 4:00:00 PM | 33.67748 | 59.49079 | 25.81331 | 21.91669 | 46.61224 | 12.93476 | 25.71524 | 47.27549 | 13.59801 | 25.75199 | 40.11786 | 6.44038 | 23.36962 | 44.34497 | 10.66749 | 55.54251 |
| 8/29/2025 | 5:00:00 PM | 33.67414 | 59.49079 | 25.81665 | 21.91335 | 46.59883 | 12.92469 | 25.72531 | 47.27549 | 13.60135 | 25.74865 | 40.12143 | 6.44729 | 23.36271 | 44.36284 | 10.6887 | 55.5213 |
| 8/29/2025 | 6:00:00 PM | 33.67748 | 59.49079 | 25.81331 | 21.91669 | 46.59212 | 12.91464 | 25.73536 | 47.27906 | 13.60158 | 25.74842 | 40.12501 | 6.44753 | 23.36247 | 44.36284 | 10.68536 | 55.52464 |
| 8/29/2025 | 7:00:00 PM | 33.68083 | 59.49079 | 25.80996 | 21.92004 | 46.58877 | 12.90794 | 25.74206 | 47.28619 | 13.60536 | 25.74464 | 40.12501 | 6.44418 | 23.36582 | 44.37356 | 10.69273 | 55.51727 |
| 8/29/2025 | 8:00:00 PM | 33.69755 | 59.49793 | 25.80038 | 21.92962 | 46.58877 | 12.89122 | 25.75878 | 47.28619 | 13.58864 | 25.76136 | 40.13575 | 6.4382 | 23.3718 | 44.38428 | 10.68673 | 55.52327 |
| 8/29/2025 | 9:00:00 PM | 33.71092 | 59.51936 | 25.80844 | 21.92156 | 46.60218 | 12.89126 | 25.75874 | 47.30045 | 13.58953 | 25.76047 | 40.14648 | 6.43556 | 23.37444 | 44.39858 | 10.68766 | 55.52234 |
| 8/29/2025 | 10:00:00 PM | 33.72096 | 59.51936 | 25.7984 | 21.9316 | 46.61895 | 12.89799 | 25.75201 | 47.30758 | 13.58662 | 25.76338 | 40.1429 | 6.42194 | 23.38806 | 44.40215 | 10.68119 | 55.52881 |
| 8/29/2025 | 11:00:00 PM | 33.73099 | 59.53007 | 25.79908 | 21.93092 | 46.6156 | 12.88461 | 25.76539 | 47.30401 | 13.57302 | 25.77698 | 40.1429 | 6.41191 | 23.39809 | 44.395 | 10.66401 | 55.54599 |
| 8/30/2025 | 12:00:00 AM | 33.71761 | 59.51936 | 25.80175 | 21.92825 | 46.62231 | 12.9047 | 25.7453 | 47.31827 | 13.60066 | 25.74934 | 40.13932 | 6.42171 | 23.38829 | 44.395 | 10.67739 | 55.53261 |
| 8/30/2025 | 1:00:00 AM | 33.7243 | 59.53007 | 25.80577 | 21.92423 | 46.64243 | 12.91813 | 25.73187 | 47.31114 | 13.58684 | 25.76316 | 40.15363 | 6.42933 | 23.38067 | 44.39858 | 10.67428 | 55.53572 |
| 8/30/2025 | 2:00:00 AM | 33.72764 | 59.53721 | 25.80957 | 21.92043 | 46.64578 | 12.91814 | 25.73186 | 47.31114 | 13.5835 | 25.7665 | 40.15363 | 6.42599 | 23.38401 | 44.39143 | 10.66379 | 55.54621 |
| 8/30/2025 | 3:00:00 AM | 33.73099 | 59.54793 | 25.81694 | 21.91306 | 46.67261 | 12.94162 | 25.70838 | 47.31827 | 13.58728 | 25.76272 | 40.16437 | 6.43338 | 23.37662 | 44.4093 | 10.67831 | 55.53169 |
| 8/30/2025 | 4:00:00 AM | 33.75105 | 59.54078 | 25.78973 | 21.94027 | 46.67932 | 12.92827 | 25.72173 | 47.32897 | 13.57792 | 25.77208 | 40.16437 | 6.41332 | 23.39668 | 44.41287 | 10.66182 | 55.54818 |
| 8/30/2025 | 5:00:00 AM | 33.73099 | 59.54793 | 25.81694 | 21.91306 | 46.68268 | 12.95169 | 25.69831 | 47.31827 | 13.58728 | 25.76272 | 40.16079 | 6.4298 | 23.3802 | 44.395 | 10.66401 | 55.54599 |
| 8/30/2025 | 6:00:00 AM | 33.73768 | 59.54793 | 25.81025 | 21.91975 | 46.69274 | 12.95506 | 25.69494 | 47.3254 | 13.58772 | 25.76228 | 40.16795 | 6.43027 | 23.37973 | 44.40215 | 10.66447 | 55.54553 |
| 8/30/2025 | 7:00:00 AM | 33.74771 | 59.5515 | 25.80379 | 21.92621 | 46.70951 | 12.9618 | 25.6882 | 47.33967 | 13.59196 | 25.75804 | 40.1751 | 6.42739 | 23.38261 | 44.41645 | 10.66874 | 55.54126 |
| 8/30/2025 | 8:00:00 AM | 33.75105 | 59.56578 | 25.81473 | 21.91527 | 46.72292 | 12.97187 | 25.67813 | 47.34323 | 13.59218 | 25.75782 | 40.1751 | 6.42405 | 23.38595 | 44.4093 | 10.65825 | 55.55175 |
| 8/30/2025 | 9:00:00 AM | 33.75774 | 59.56935 | 25.81161 | 21.91839 | 46.72963 | 12.97189 | 25.67811 | 47.35036 | 13.59262 | 25.75738 | 40.18226 | 6.42452 | 23.38548 | 44.42002 | 10.66228 | 55.54772 |
| 8/30/2025 | 10:00:00 AM | 33.7544 | 59.57649 | 25.82209 | 21.90791 | 46.73969 | 12.98529 | 25.66471 | 47.34323 | 13.58883 | 25.76117 | 40.17868 | 6.42428 | 23.38572 | 44.41287 | 10.65847 | 55.55153 |
| 8/30/2025 | 11:00:00 AM | 33.74771 | 59.56221 | 25.8145 | 21.9155 | 46.73298 | 12.98527 | 25.66473 | 47.35036 | 13.60265 | 25.74735 | 40.17152 | 6.42381 | 23.38619 | 44.4093 | 10.66159 | 55.54841 |
| 8/30/2025 | 12:00:00 PM | 33.73768 | 59.55864 | 25.82096 | 21.90904 | 46.72628 | 12.9886 | 25.6614 | 47.32897 | 13.59129 | 25.75871 | 40.16795 | 6.43027 | 23.37973 | 44.395 | 10.65732 | 55.55268 |
| 8/30/2025 | 1:00:00 PM | 33.71761 | 59.54793 | 25.83032 | 21.89968 | 46.7028 | 12.98519 | 25.66481 | 47.32897 | 13.61136 | 25.73864 | 40.16437 | 6.44676 | 23.36324 | 44.39143 | 10.67382 | 55.53618 |
| 8/30/2025 | 2:00:00 PM | 33.72096 | 59.54436 | 25.8234 | 21.9066 | 46.69609 | 12.97513 | 25.67487 | 47.3254 | 13.60444 | 25.74556 | 40.15721 | 6.43625 | 23.37375 | 44.39143 | 10.67047 | 55.53953 |
| 8/30/2025 | 3:00:00 PM | 33.70424 | 59.52293 | 25.81869 | 21.91131 | 46.6592 | 12.95496 | 25.69504 | 47.31827 | 13.61403 | 25.73597 | 40.15006 | 6.44582 | 23.36418 | 44.38785 | 10.68361 | 55.52639 |
| 8/30/2025 | 4:00:00 PM | 33.68417 | 59.50865 | 25.82448 | 21.90552 | 46.62901 | 12.94484 | 25.70516 | 47.28975 | 13.60558 | 25.74442 | 40.13932 | 6.45515 | 23.35485 | 44.38071 | 10.69654 | 55.51346 |
| 8/30/2025 | 5:00:00 PM | 33.67748 | 59.50508 | 25.8276 | 21.9024 | 46.59883 | 12.92135 | 25.72865 | 47.28619 | 13.60871 | 25.74129 | 40.13575 | 6.45827 | 23.35173 | 44.38071 | 10.70323 | 55.50677 |
| 8/30/2025 | 6:00:00 PM | 33.67748 | 59.50508 | 25.8276 | 21.9024 | 46.59212 | 12.91464 | 25.73536 | 47.28619 | 13.60871 | 25.74129 | 40.13932 | 6.46184 | 23.34816 | 44.38428 | 10.7068 | 55.5032 |
| 8/30/2025 | 7:00:00 PM | 33.6708 | 59.48365 | 25.81285 | 21.91715 | 46.56529 | 12.89449 | 25.75551 | 47.27193 | 13.60113 | 25.74887 | 40.12143 | 6.45063 | 23.35937 | 44.37356 | 10.70276 | 55.50724 |
| 8/30/2025 | 8:00:00 PM | 33.66411 | 59.48722 | 25.82311 | 21.90689 | 46.55858 | 12.89447 | 25.75553 | 47.27549 | 13.61138 | 25.73862 | 40.12143 | 6.45732 | 23.35268 | 44.38071 | 10.7166 | 55.4934 |
| 8/30/2025 | 9:00:00 PM | 33.68752 | 59.5015 | 25.81398 | 21.91602 | 46.572 | 12.88448 | 25.76552 | 47.28262 | 13.5951 | 25.7549 | 40.13575 | 6.44823 | 23.36177 | 44.40215 | 10.71463 | 55.49537 |
| 8/30/2025 | 10:00:00 PM | 33.67748 | 59.49079 | 25.81331 | 21.91669 | 46.56194 | 12.88446 | 25.76554 | 47.27549 | 13.59801 | 25.75199 | 40.11428 | 6.4368 | 23.3732 | 44.38428 | 10.7068 | 55.5032 |
| 8/30/2025 | 11:00:00 PM | 33.6708 | 59.49079 | 25.81999 | 21.91001 | 46.56864 | 12.89784 | 25.75216 | 47.26123 | 13.59043 | 25.75957 | 40.1107 | 6.4399 | 23.3701 | 44.39143 | 10.72063 | 55.48937 |
| 8/31/2025 | 12:00:00 AM | 33.67414 | 59.48365 | 25.80951 | 21.92049 | 46.56864 | 12.8945 | 25.7555 | 47.2541 | 13.57996 | 25.77004 | 40.1107 | 6.43656 | 23.37344 | 44.38071 | 10.70657 | 55.50343 |
| 8/31/2025 | 1:00:00 AM | 33.66076 | 59.48722 | 25.82646 | 21.90354 | 46.57871 | 12.91795 | 25.73205 | 47.24697 | 13.58621 | 25.76379 | 40.10712 | 6.44636 | 23.36364 | 44.38428 | 10.72352 | 55.48648 |
| 8/31/2025 | 2:00:00 AM | 33.66411 | 59.48722 | 25.82311 | 21.90689 | 46.58541 | 12.9213 | 25.7287 | 47.24697 | 13.58286 | 25.76714 | 40.1107 | 6.44659 | 23.36341 | 44.38071 | 10.7166 | 55.4934 |
| 8/31/2025 | 3:00:00 AM | 33.66411 | 59.48008 | 25.81597 | 21.91403 | 46.58877 | 12.92466 | 25.72534 | 47.2434 | 13.57929 | 25.77071 | 40.10355 | 6.43944 | 23.37056 | 44.36998 | 10.70587 | 55.50413 |
| 8/31/2025 | 4:00:00 AM | 33.64739 | 59.47294 | 25.82555 | 21.90445 | 46.58877 | 12.94138 | 25.70862 | 47.23984 | 13.59245 | 25.75755 | 40.09639 | 6.449 | 23.361 | 44.36641 | 10.71902 | 55.49098 |
| 8/31/2025 | 5:00:00 AM | 33.64404 | 59.47294 | 25.8289 | 21.9011 | 46.59212 | 12.94808 | 25.70192 | 47.22914 | 13.5851 | 25.7649 | 40.09281 | 6.44877 | 23.36123 | 44.35926 | 10.71522 | 55.49478 |
| 8/31/2025 | 6:00:00 AM | 33.63401 | 59.4658 | 25.83179 | 21.89821 | 46.59212 | 12.95811 | 25.69189 | 47.22914 | 13.59513 | 25.75487 | 40.08566 | 6.45165 | 23.35835 | 44.34854 | 10.71453 | 55.49547 |
| 8/31/2025 | 7:00:00 AM | 33.63736 | 59.4658 | 25.82844 | 21.90156 | 46.59883 | 12.96147 | 25.68853 | 47.22558 | 13.58822 | 25.76178 | 40.08566 | 6.4483 | 23.3617 | 44.35569 | 10.71833 | 55.49167 |
| 8/31/2025 | 8:00:00 AM | 33.65408 | 59.47294 | 25.81886 | 21.91114 | 46.6156 | 12.96152 | 25.68848 | 47.23627 | 13.58219 | 25.76781 | 40.08923 | 6.43515 | 23.37485 | 44.37356 | 10.71948 | 55.49052 |
| 8/31/2025 | 9:00:00 AM | 33.66745 | 59.49079 | 25.82334 | 21.90666 | 46.64243 | 12.97498 | 25.67502 | 47.25766 | 13.59021 | 25.75979 | 40.10355 | 6.4361 | 23.3739 | 44.38785 | 10.7204 | 55.4896 |
| 8/31/2025 | 10:00:00 AM | 33.68417 | 59.49793 | 25.81376 | 21.91624 | 46.66591 | 12.98174 | 25.66826 | 47.27193 | 13.58776 | 25.76224 | 40.10712 | 6.42295 | 23.38705 | 44.40572 | 10.72155 | 55.48845 |
| 8/31/2025 | 11:00:00 AM | 33.65742 | 59.47651 | 25.81909 | 21.91091 | 46.64914 | 12.99172 | 25.65828 | 47.2541 | 13.59668 | 25.75332 | 40.08923 | 6.43181 | 23.37819 | 44.37356 | 10.71614 | 55.49386 |
| 8/31/2025 | 12:00:00 PM | 33.65408 | 59.48008 | 25.826 | 21.904 | 46.64578 | 12.9917 | 25.6583 | 47.2434 | 13.58932 | 25.76068 | 40.0785 | 6.42442 | 23.38558 | 44.36284 | 10.70876 | 55.50124 |
| 8/31/2025 | 1:00:00 PM | 33.64404 | 59.46937 | 25.82533 | 21.90467 | 46.63908 | 12.99504 | 25.65496 | 47.23984 | 13.5958 | 25.7542 | 40.0785 | 6.43446 | 23.37554 | 44.35212 | 10.70808 | 55.50192 |
| 8/31/2025 | 2:00:00 PM | 33.63067 | 59.46223 | 25.83156 | 21.89844 | 46.63572 | 13.00505 | 25.64495 | 47.23627 | 13.6056 | 25.7444 | 40.07492 | 6.44425 | 23.36575 | 44.35212 | 10.72145 | 55.48855 |
| 8/31/2025 | 3:00:00 PM | 33.62064 | 59.45508 | 25.83444 | 21.89556 | 46.61224 | 12.9916 | 25.6584 | 47.22558 | 13.60494 | 25.74506 | 40.06777 | 6.44713 | 23.36287 | 44.33425 | 10.71361 | 55.49639 |
| 8/31/2025 | 4:00:00 PM | 33.60726 | 59.4408 | 25.83354 | 21.89646 | 46.57871 | 12.97145 | 25.67855 | 47.21845 | 13.61119 | 25.73881 | 40.05703 | 6.44977 | 23.36023 | 44.34139 | 10.73413 | 55.47587 |
| 8/31/2025 | 5:00:00 PM | 33.59723 | 59.42652 | 25.82929 | 21.90071 | 46.54852 | 12.95129 | 25.69871 | 47.20419 | 13.60696 | 25.74304 | 40.0463 | 6.44907 | 23.36093 | 44.33067 | 10.73344 | 55.47656 |
| 8/31/2025 | 6:00:00 PM | 33.60057 | 59.42652 | 25.82595 | 21.90405 | 46.53175 | 12.93118 | 25.71882 | 47.20775 | 13.60718 | 25.74282 | 40.05346 | 6.45289 | 23.35711 | 44.34139 | 10.74082 | 55.46918 |
| 8/31/2025 | 7:00:00 PM | 33.60057 | 59.43009 | 25.82952 | 21.90048 | 46.51498 | 12.91441 | 25.73559 | 47.21132 | 13.61075 | 25.73925 | 40.04988 | 6.44931 | 23.36069 | 44.34139 | 10.74082 | 55.46918 |
| 8/31/2025 | 8:00:00 PM | 33.62064 | 59.43366 | 25.81302 | 21.91698 | 46.50827 | 12.88763 | 25.76237 | 47.21845 | 13.59781 | 25.75219 | 40.05346 | 6.43282 | 23.37718 | 44.35926 | 10.73862 | 55.47138 |
| 8/31/2025 | 9:00:00 PM | 33.6407 | 59.44794 | 25.80724 | 21.92276 | 46.52169 | 12.88099 | 25.76901 | 47.22558 | 13.58488 | 25.76512 | 40.06419 | 6.42349 | 23.38651 | 44.36641 | 10.72571 | 55.48429 |
| 8/31/2025 | 10:00:00 PM | 33.64739 | 59.45151 | 25.80412 | 21.92588 | 46.51834 | 12.87095 | 25.77905 | 47.22914 | 13.58175 | 25.76825 | 40.06419 | 6.4168 | 23.3932 | 44.37356 | 10.72617 | 55.48383 |
| 8/31/2025 | 11:00:00 PM | 33.6407 | 59.44794 | 25.80724 | 21.92276 | 46.52169 | 12.88099 | 25.76901 | 47.22558 | 13.58488 | 25.76512 | 40.05703 | 6.41633 | 23.39367 | 44.35569 | 10.71499 | 55.49501 |
| 9/1/2025 | 12:00:00 AM | 33.65073 | 59.45865 | 25.80792 | 21.92208 | 46.54181 | 12.89108 | 25.75892 | 47.23627 | 13.58554 | 25.76446 | 40.06777 | 6.41704 | 23.39296 | 44.36641 | 10.71568 | 55.49432 |
| 9/1/2025 | 1:00:00 AM | 33.64739 | 59.45865 | 25.81126 | 21.91874 | 46.55187 | 12.90448 | 25.74552 | 47.22558 | 13.57819 | 25.77181 | 40.06419 | 6.4168 | 23.3932 | 44.35569 | 10.7083 | 55.5017 |
| 9/1/2025 | 2:00:00 AM | 33.65073 | 59.45508 | 25.80435 | 21.92565 | 46.55858 | 12.90785 | 25.74215 | 47.22914 | 13.57841 | 25.77159 | 40.06777 | 6.41704 | 23.39296 | 44.35569 | 10.70496 | 55.50504 |
| 9/1/2025 | 3:00:00 AM | 33.66076 | 59.46223 | 25.80147 | 21.92853 | 46.57535 | 12.91459 | 25.73541 | 47.23271 | 13.57195 | 25.77805 | 40.07135 | 6.41059 | 23.39941 | 44.36284 | 10.70208 | 55.50792 |
| 9/1/2025 | 4:00:00 AM | 33.67748 | 59.47294 | 25.79546 | 21.93454 | 46.60218 | 12.9247 | 25.7253 | 47.2434 | 13.56592 | 25.78408 | 40.08566 | 6.40818 | 23.40182 | 44.36641 | 10.68893 | 55.52107 |
| 9/1/2025 | 5:00:00 AM | 33.67748 | 59.48008 | 25.8026 | 21.9274 | 46.60889 | 12.93141 | 25.71859 | 47.25053 | 13.57305 | 25.77695 | 40.08208 | 6.4046 | 23.4054 | 44.36998 | 10.6925 | 55.5175 |
| 9/1/2025 | 6:00:00 AM | 33.68083 | 59.48722 | 25.80639 | 21.92361 | 46.62566 | 12.94483 | 25.70517 | 47.2541 | 13.57327 | 25.77673 | 40.09281 | 6.41198 | 23.39802 | 44.36641 | 10.68558 | 55.52442 |
| 9/1/2025 | 7:00:00 AM | 33.70089 | 59.5015 | 25.80061 | 21.92939 | 46.64578 | 12.94489 | 25.70511 | 47.27906 | 13.57817 | 25.77183 | 40.10355 | 6.40266 | 23.40734 | 44.37713 | 10.67624 | 55.53376 |
| 9/1/2025 | 8:00:00 AM | 33.69755 | 59.49793 | 25.80038 | 21.92962 | 46.65249 | 12.95494 | 25.69506 | 47.27549 | 13.57794 | 25.77206 | 40.09997 | 6.40242 | 23.40758 | 44.38071 | 10.68316 | 55.52684 |
| 9/1/2025 | 9:00:00 AM | 33.70758 | 59.50865 | 25.80107 | 21.92893 | 46.67597 | 12.96839 | 25.68161 | 47.27906 | 13.57148 | 25.77852 | 40.10712 | 6.39954 | 23.41046 | 44.37713 | 10.66955 | 55.54045 |
| 9/1/2025 | 10:00:00 AM | 33.70089 | 59.50508 | 25.80419 | 21.92581 | 46.67261 | 12.97172 | 25.67828 | 47.27549 | 13.5746 | 25.7754 | 40.10712 | 6.40623 | 23.40377 | 44.37356 | 10.67267 | 55.53733 |
| 9/1/2025 | 11:00:00 AM | 33.70424 | 59.5015 | 25.79726 | 21.93274 | 46.68268 | 12.97844 | 25.67156 | 47.27906 | 13.57482 | 25.77518 | 40.1107 | 6.40646 | 23.40354 | 44.37713 | 10.67289 | 55.53711 |
| 9/1/2025 | 12:00:00 PM | 33.6942 | 59.49793 | 25.80373 | 21.92627 | 46.68268 | 12.98848 | 25.66152 | 47.27906 | 13.58486 | 25.76514 | 40.09997 | 6.40577 | 23.40423 | 44.36998 | 10.67578 | 55.53422 |
| 9/1/2025 | 1:00:00 PM | 33.68417 | 59.49436 | 25.81019 | 21.91981 | 46.67261 | 12.98844 | 25.66156 | 47.26479 | 13.58062 | 25.76938 | 40.09639 | 6.41222 | 23.39778 | 44.35569 | 10.67152 | 55.53848 |
| 9/1/2025 | 2:00:00 PM | 33.6708 | 59.48008 | 25.80928 | 21.92072 | 46.66926 | 12.99846 | 25.65154 | 47.25766 | 13.58686 | 25.76314 | 40.08923 | 6.41843 | 23.39157 | 44.34854 | 10.67774 | 55.53226 |
| 9/1/2025 | 3:00:00 PM | 33.66076 | 59.47294 | 25.81218 | 21.91782 | 46.64914 | 12.98838 | 25.66162 | 47.25053 | 13.58977 | 25.76023 | 40.08923 | 6.42847 | 23.38153 | 44.34854 | 10.68778 | 55.52222 |
| 9/1/2025 | 4:00:00 PM | 33.65742 | 59.48008 | 25.82266 | 21.90734 | 46.64578 | 12.98836 | 25.66164 | 47.25053 | 13.59311 | 25.75689 | 40.08923 | 6.43181 | 23.37819 | 44.35569 | 10.69827 | 55.51173 |
| 9/1/2025 | 5:00:00 PM | 33.66411 | 59.48365 | 25.81954 | 21.91046 | 46.63908 | 12.97497 | 25.67503 | 47.25766 | 13.59355 | 25.75645 | 40.08923 | 6.42512 | 23.38488 | 44.35926 | 10.69515 | 55.51485 |
| 9/1/2025 | 6:00:00 PM | 33.66076 | 59.47294 | 25.81218 | 21.91782 | 46.63237 | 12.97161 | 25.67839 | 47.25766 | 13.5969 | 25.7531 | 40.08208 | 6.42132 | 23.38868 | 44.36284 | 10.70208 | 55.50792 |
| 9/1/2025 | 7:00:00 PM | 33.66411 | 59.47651 | 25.8124 | 21.9176 | 46.62566 | 12.96155 | 25.68845 | 47.26479 | 13.60068 | 25.74932 | 40.08208 | 6.41797 | 23.39203 | 44.36284 | 10.69873 | 55.51127 |
| 9/1/2025 | 8:00:00 PM | 33.6708 | 59.48008 | 25.80928 | 21.92072 | 46.62566 | 12.95486 | 25.69514 | 47.26479 | 13.59399 | 25.75601 | 40.08208 | 6.41128 | 23.39872 | 44.36284 | 10.69204 | 55.51796 |
| 9/1/2025 | 9:00:00 PM | 33.67748 | 59.48008 | 25.8026 | 21.9274 | 46.62901 | 12.95153 | 25.69847 | 47.26479 | 13.58731 | 25.76269 | 40.08923 | 6.41175 | 23.39825 | 44.37356 | 10.69608 | 55.51392 |
| 9/1/2025 | 10:00:00 PM | 33.68417 | 59.48365 | 25.79948 | 21.93052 | 46.63572 | 12.95155 | 25.69845 | 47.26836 | 13.58419 | 25.76581 | 40.09281 | 6.40864 | 23.40136 | 44.36641 | 10.68224 | 55.52776 |
| 9/1/2025 | 11:00:00 PM | 33.67748 | 59.47651 | 25.79903 | 21.93097 | 46.63572 | 12.95824 | 25.69176 | 47.26123 | 13.58375 | 25.76625 | 40.08566 | 6.40818 | 23.40182 | 44.36284 | 10.68536 | 55.52464 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/2/2025 | 12:00:00 AM | 33.70089 | 59.50865 | 25.80776 | 21.92224 | 46.66255 | 12.96166 | 25.68834 | 47.28619 | 13.5853 | 25.7647 | 40.10355 | 6.40266 | 23.40734 | 44.38785 | 10.68696 | 55.52304 |
| 9/2/2025 | 1:00:00 AM | 33.70424 | 59.50865 | 25.80441 | 21.92559 | 46.67932 | 12.97508 | 25.67492 | 47.29332 | 13.58908 | 25.76092 | 40.09997 | 6.39573 | 23.41427 | 44.39143 | 10.68719 | 55.52281 |
| 9/2/2025 | 2:00:00 AM | 33.70758 | 59.51222 | 25.80464 | 21.92536 | 46.68603 | 12.97845 | 25.67155 | 47.28975 | 13.58217 | 25.76783 | 40.09997 | 6.39239 | 23.41761 | 44.38785 | 10.68027 | 55.52973 |
| 9/2/2025 | 3:00:00 AM | 33.71761 | 59.52293 | 25.80532 | 21.92468 | 46.70951 | 12.9919 | 25.6581 | 47.30758 | 13.58997 | 25.76003 | 40.12143 | 6.40382 | 23.40618 | 44.395 | 10.67739 | 55.53261 |
| 9/2/2025 | 4:00:00 AM | 33.71761 | 59.51936 | 25.80175 | 21.92825 | 46.71286 | 12.99525 | 25.65475 | 47.29688 | 13.57927 | 25.77073 | 40.10712 | 6.38951 | 23.42049 | 44.395 | 10.67739 | 55.53261 |
| 9/2/2025 | 5:00:00 AM | 33.71427 | 59.51222 | 25.79795 | 21.93205 | 46.71286 | 12.99859 | 25.65141 | 47.30045 | 13.58618 | 25.76382 | 40.11786 | 6.40359 | 23.40641 | 44.38428 | 10.67001 | 55.53999 |
| 9/2/2025 | 6:00:00 AM | 33.71427 | 59.51579 | 25.80152 | 21.92848 | 46.71622 | 13.00195 | 25.64805 | 47.29332 | 13.57905 | 25.77095 | 40.1107 | 6.39643 | 23.41357 | 44.38428 | 10.67001 | 55.53999 |
| 9/2/2025 | 7:00:00 AM | 33.71427 | 59.51579 | 25.80152 | 21.92848 | 46.71957 | 13.0053 | 25.6447 | 47.30401 | 13.58974 | 25.76026 | 40.11786 | 6.40359 | 23.40641 | 44.37713 | 10.66286 | 55.54714 |
| 9/2/2025 | 8:00:00 AM | 33.71761 | 59.51936 | 25.80175 | 21.92825 | 46.72963 | 13.01202 | 25.63798 | 47.30401 | 13.5864 | 25.7636 | 40.12143 | 6.40382 | 23.40618 | 44.38428 | 10.66667 | 55.54333 |
| 9/2/2025 | 9:00:00 AM | 33.71092 | 59.51936 | 25.80844 | 21.92156 | 46.72628 | 13.01536 | 25.63464 | 47.29688 | 13.58596 | 25.76404 | 40.1107 | 6.39978 | 23.41022 | 44.38071 | 10.66979 | 55.54021 |
| 9/2/2025 | 10:00:00 AM | 33.72096 | 59.52293 | 25.80197 | 21.92803 | 46.73634 | 13.01538 | 25.63462 | 47.30045 | 13.57949 | 25.77051 | 40.11786 | 6.3969 | 23.4131 | 44.38071 | 10.65975 | 55.55025 |
| 9/2/2025 | 11:00:00 AM | 33.71427 | 59.5265 | 25.81223 | 21.91777 | 46.73298 | 13.01871 | 25.63129 | 47.30401 | 13.58974 | 25.76026 | 40.11786 | 6.40359 | 23.40641 | 44.38071 | 10.66644 | 55.54356 |
| 9/2/2025 | 12:00:00 PM | 33.70424 | 59.51222 | 25.80798 | 21.92202 | 46.72628 | 13.02204 | 25.62796 | 47.29688 | 13.59264 | 25.75736 | 40.1107 | 6.40646 | 23.40354 | 44.37356 | 10.66932 | 55.54068 |
| 9/2/2025 | 1:00:00 PM | 33.68417 | 59.50865 | 25.82448 | 21.90552 | 46.70951 | 13.02534 | 25.62466 | 47.28619 | 13.60202 | 25.74798 | 40.09281 | 6.40864 | 23.40136 | 44.35569 | 10.67152 | 55.53848 |
| 9/2/2025 | 2:00:00 PM | 33.66745 | 59.48365 | 25.8162 | 21.9138 | 46.69274 | 13.02529 | 25.62471 | 47.26123 | 13.59378 | 25.75622 | 40.08208 | 6.41463 | 23.39537 | 44.34854 | 10.68109 | 55.52891 |
| 9/2/2025 | 3:00:00 PM | 33.64404 | 59.46223 | 25.81819 | 21.91181 | 46.64914 | 13.0051 | 25.6449 | 47.23984 | 13.5958 | 25.7542 | 40.07135 | 6.42731 | 23.38269 | 44.33067 | 10.68663 | 55.52337 |
| 9/2/2025 | 4:00:00 PM | 33.62732 | 59.45508 | 25.82776 | 21.90224 | 46.62231 | 12.99499 | 25.65501 | 47.22558 | 13.59826 | 25.75174 | 40.06061 | 6.43329 | 23.37671 | 44.31995 | 10.69263 | 55.51737 |
| 9/2/2025 | 5:00:00 PM | 33.63067 | 59.45508 | 25.82441 | 21.90559 | 46.61224 | 12.98157 | 25.66843 | 47.23627 | 13.6056 | 25.7444 | 40.07492 | 6.44425 | 23.36575 | 44.33782 | 10.70715 | 55.50285 |
| 9/2/2025 | 6:00:00 PM | 33.63067 | 59.4408 | 25.81013 | 21.91987 | 46.58541 | 12.95474 | 25.69526 | 47.22201 | 13.59134 | 25.75866 | 40.05703 | 6.42636 | 23.38364 | 44.33782 | 10.70715 | 55.50285 |
| 9/2/2025 | 7:00:00 PM | 33.62398 | 59.4408 | 25.81682 | 21.91318 | 46.56194 | 12.93796 | 25.71204 | 47.22201 | 13.59803 | 25.75197 | 40.04988 | 6.4259 | 23.3841 | 44.34497 | 10.72099 | 55.48901 |
| 9/2/2025 | 8:00:00 PM | 33.62732 | 59.43723 | 25.80991 | 21.92009 | 46.55523 | 12.92791 | 25.72209 | 47.22914 | 13.60182 | 25.74818 | 40.05346 | 6.42614 | 23.38386 | 44.34854 | 10.72122 | 55.48878 |
| 9/2/2025 | 9:00:00 PM | 33.61729 | 59.43723 | 25.81994 | 21.91006 | 46.53846 | 12.92117 | 25.72883 | 47.21132 | 13.59403 | 25.75597 | 40.04272 | 6.42543 | 23.38457 | 44.33782 | 10.72053 | 55.48947 |
| 9/2/2025 | 10:00:00 PM | 33.62064 | 59.43723 | 25.81659 | 21.91341 | 46.53846 | 12.91782 | 25.73218 | 47.21132 | 13.59068 | 25.75932 | 40.03557 | 6.41493 | 23.39507 | 44.33782 | 10.71718 | 55.49282 |
| 9/2/2025 | 11:00:00 PM | 33.63401 | 59.43366 | 25.79965 | 21.93035 | 46.54181 | 12.9078 | 25.7422 | 47.21132 | 13.57731 | 25.77269 | 40.04272 | 6.40871 | 23.40129 | 44.34854 | 10.71453 | 55.49547 |
| 9/3/2025 | 12:00:00 AM | 33.6407 | 59.44437 | 25.80367 | 21.92633 | 46.56864 | 12.92794 | 25.72206 | 47.21488 | 13.57418 | 25.77582 | 40.04988 | 6.40918 | 23.40082 | 44.34854 | 10.70784 | 55.50216 |
| 9/3/2025 | 1:00:00 AM | 33.65073 | 59.45151 | 25.80078 | 21.92922 | 46.58206 | 12.93133 | 25.71867 | 47.22558 | 13.57485 | 25.77515 | 40.05703 | 6.4063 | 23.4037 | 44.35926 | 10.70853 | 55.50147 |
| 9/3/2025 | 2:00:00 AM | 33.65408 | 59.45865 | 25.80457 | 21.92543 | 46.59548 | 12.9414 | 25.7086 | 47.23271 | 13.57863 | 25.77137 | 40.05346 | 6.39938 | 23.41062 | 44.35926 | 10.70518 | 55.50482 |
| 9/3/2025 | 3:00:00 AM | 33.65408 | 59.46223 | 25.80815 | 21.92185 | 46.59548 | 12.9414 | 25.7086 | 47.22201 | 13.56793 | 25.78207 | 40.0463 | 6.39222 | 23.41778 | 44.36641 | 10.71233 | 55.49767 |
| 9/3/2025 | 4:00:00 AM | 33.66745 | 59.47294 | 25.80549 | 21.92451 | 46.62231 | 12.95486 | 25.69514 | 47.24697 | 13.57952 | 25.77048 | 40.06419 | 6.39674 | 23.41326 | 44.36641 | 10.69896 | 55.51104 |
| 9/3/2025 | 5:00:00 AM | 33.65073 | 59.45865 | 25.80792 | 21.92208 | 46.61895 | 12.96822 | 25.68178 | 47.22914 | 13.57841 | 25.77159 | 40.05703 | 6.4063 | 23.4037 | 44.35212 | 10.70139 | 55.50861 |
| 9/3/2025 | 6:00:00 AM | 33.67414 | 59.48008 | 25.80594 | 21.92406 | 46.64243 | 12.96829 | 25.68171 | 47.23984 | 13.5657 | 25.7843 | 40.07135 | 6.39721 | 23.41279 | 44.36641 | 10.69227 | 55.51773 |
| 9/3/2025 | 7:00:00 AM | 33.68417 | 59.48722 | 25.80305 | 21.92695 | 46.6592 | 12.97503 | 25.67497 | 47.25053 | 13.56636 | 25.78364 | 40.07492 | 6.39075 | 23.41925 | 44.36284 | 10.67867 | 55.53133 |
| 9/3/2025 | 8:00:00 AM | 33.70089 | 59.5015 | 25.80061 | 21.92939 | 46.67932 | 12.97843 | 25.67157 | 47.26836 | 13.56747 | 25.78253 | 40.08208 | 6.38119 | 23.42881 | 44.37713 | 10.67624 | 55.53376 |
| 9/3/2025 | 9:00:00 AM | 33.6942 | 59.48722 | 25.79302 | 21.93698 | 46.67932 | 12.98512 | 25.66488 | 47.25766 | 13.56346 | 25.78654 | 40.08208 | 6.38788 | 23.42212 | 44.36641 | 10.67221 | 55.53779 |
| 9/3/2025 | 10:00:00 AM | 33.68752 | 59.48365 | 25.79613 | 21.93387 | 46.68268 | 12.99516 | 25.65484 | 47.26123 | 13.57371 | 25.77629 | 40.07492 | 6.3874 | 23.4226 | 44.35926 | 10.67174 | 55.53826 |
| 9/3/2025 | 11:00:00 AM | 33.68752 | 59.48722 | 25.7997 | 21.9303 | 46.68268 | 12.99516 | 25.65484 | 47.25766 | 13.57014 | 25.77986 | 40.07135 | 6.38383 | 23.42617 | 44.35569 | 10.66817 | 55.54183 |
| 9/3/2025 | 12:00:00 PM | 33.66411 | 59.47294 | 25.80883 | 21.92117 | 46.67261 | 13.0085 | 25.6415 | 47.2434 | 13.57929 | 25.77071 | 40.06419 | 6.40008 | 23.40992 | 44.33782 | 10.67371 | 55.53629 |
| 9/3/2025 | 1:00:00 PM | 33.6407 | 59.45151 | 25.81081 | 21.91919 | 46.64578 | 13.00508 | 25.64492 | 47.22201 | 13.58131 | 25.76869 | 40.05346 | 6.41276 | 23.39724 | 44.31638 | 10.67568 | 55.53432 |
| 9/3/2025 | 2:00:00 PM | 33.62398 | 59.44437 | 25.82039 | 21.90961 | 46.62231 | 12.99833 | 25.65167 | 47.22201 | 13.59803 | 25.75197 | 40.04988 | 6.4259 | 23.3841 | 44.32352 | 10.69954 | 55.51046 |
| 9/3/2025 | 3:00:00 PM | 33.60392 | 59.41937 | 25.81545 | 21.91455 | 46.57871 | 12.97479 | 25.67521 | 47.19705 | 13.59313 | 25.75687 | 40.02126 | 6.41734 | 23.39266 | 44.29851 | 10.69459 | 55.51541 |
| 9/3/2025 | 4:00:00 PM | 33.59054 | 59.40866 | 25.81812 | 21.91188 | 46.54517 | 12.95463 | 25.69537 | 47.17923 | 13.58869 | 25.76131 | 40.01768 | 6.42714 | 23.38286 | 44.29493 | 10.70439 | 55.50561 |
| 9/3/2025 | 5:00:00 PM | 33.57716 | 59.39438 | 25.81722 | 21.91278 | 46.51163 | 12.93447 | 25.71553 | 47.16497 | 13.58781 | 25.76219 | 40.01052 | 6.43336 | 23.37664 | 44.29493 | 10.71777 | 55.49223 |
| 9/3/2025 | 6:00:00 PM | 33.56713 | 59.38724 | 25.82011 | 21.90989 | 46.47474 | 12.90761 | 25.74239 | 47.15427 | 13.58714 | 25.76286 | 39.99979 | 6.43266 | 23.37734 | 44.28778 | 10.72065 | 55.48935 |
| 9/3/2025 | 7:00:00 PM | 33.57382 | 59.38009 | 25.80627 | 21.92373 | 46.45461 | 12.88079 | 25.76921 | 47.14714 | 13.57332 | 25.77668 | 39.99621 | 6.42239 | 23.38761 | 44.29851 | 10.72469 | 55.48531 |
| 9/3/2025 | 8:00:00 PM | 33.59054 | 59.40152 | 25.81098 | 21.91902 | 46.45797 | 12.86743 | 25.78257 | 47.16497 | 13.57443 | 25.77557 | 40.0141 | 6.42356 | 23.38644 | 44.31995 | 10.72941 | 55.48059 |
| 9/3/2025 | 9:00:00 PM | 33.6106 | 59.41223 | 25.80163 | 21.92837 | 46.46467 | 12.85407 | 25.79593 | 47.17923 | 13.56863 | 25.78137 | 40.01052 | 6.39992 | 23.41008 | 44.33782 | 10.72722 | 55.48278 |
| 9/3/2025 | 10:00:00 PM | 33.61729 | 59.4158 | 25.79851 | 21.93149 | 46.46467 | 12.84738 | 25.80262 | 47.17566 | 13.55837 | 25.79163 | 40.01052 | 6.39323 | 23.41677 | 44.34139 | 10.7241 | 55.4859 |
| 9/3/2025 | 11:00:00 PM | 33.62732 | 59.42652 | 25.7992 | 21.9308 | 46.47809 | 12.85077 | 25.79923 | 47.17923 | 13.55191 | 25.79809 | 40.00694 | 6.37962 | 23.43038 | 44.34497 | 10.71765 | 55.49235 |
| 9/4/2025 | 12:00:00 AM | 33.6106 | 59.40152 | 25.79092 | 21.93908 | 46.47138 | 12.86078 | 25.78922 | 47.16853 | 13.55793 | 25.79207 | 40.00337 | 6.39277 | 23.41723 | 44.32352 | 10.71292 | 55.49708 |
| 9/4/2025 | 1:00:00 AM | 33.59723 | 59.39438 | 25.79715 | 21.93285 | 46.47474 | 12.87751 | 25.77249 | 47.15427 | 13.55704 | 25.79296 | 39.99979 | 6.40256 | 23.40744 | 44.31638 | 10.71915 | 55.49085 |
| 9/4/2025 | 2:00:00 AM | 33.59723 | 59.39081 | 25.79358 | 21.93642 | 46.47474 | 12.87751 | 25.77249 | 47.15071 | 13.55348 | 25.79652 | 39.99979 | 6.40256 | 23.40744 | 44.29851 | 10.70128 | 55.50872 |
| 9/4/2025 | 3:00:00 AM | 33.60726 | 59.39795 | 25.79069 | 21.93931 | 46.49151 | 12.88425 | 25.76575 | 47.14358 | 13.53632 | 25.81368 | 40.00337 | 6.39611 | 23.41389 | 44.30923 | 10.70197 | 55.50803 |
| 9/4/2025 | 4:00:00 AM | 33.59723 | 59.39795 | 25.80072 | 21.92928 | 46.49151 | 12.89428 | 25.75572 | 47.14358 | 13.54635 | 25.80365 | 39.99263 | 6.3954 | 23.4146 | 44.30208 | 10.70485 | 55.50515 |
| 9/4/2025 | 5:00:00 AM | 33.59388 | 59.39438 | 25.8005 | 21.9295 | 46.51163 | 12.91775 | 25.73225 | 47.15071 | 13.55683 | 25.79317 | 39.99263 | 6.39875 | 23.41125 | 44.30565 | 10.71177 | 55.49823 |
| 9/4/2025 | 6:00:00 AM | 33.60057 | 59.38724 | 25.78667 | 21.94333 | 46.51498 | 12.91441 | 25.73559 | 47.14358 | 13.54301 | 25.80699 | 39.99263 | 6.39206 | 23.41794 | 44.30208 | 10.70151 | 55.50849 |
| 9/4/2025 | 7:00:00 AM | 33.59388 | 59.39438 | 25.8005 | 21.9295 | 46.51834 | 12.92446 | 25.72554 | 47.14358 | 13.5497 | 25.8003 | 39.99263 | 6.39875 | 23.41125 | 44.30923 | 10.71535 | 55.49465 |
| 9/4/2025 | 8:00:00 AM | 33.5872 | 59.38367 | 25.79647 | 21.93353 | 46.51834 | 12.93114 | 25.71886 | 47.14001 | 13.55281 | 25.79719 | 39.97832 | 6.39112 | 23.41888 | 44.29136 | 10.70416 | 55.50584 |
| 9/4/2025 | 9:00:00 AM | 33.57382 | 59.38009 | 25.80627 | 21.92373 | 46.51498 | 12.94116 | 25.70884 | 47.12575 | 13.55193 | 25.79807 | 39.97832 | 6.4045 | 23.4055 | 44.28064 | 10.70682 | 55.50318 |
| 9/4/2025 | 10:00:00 AM | 33.57382 | 59.37295 | 25.79913 | 21.93087 | 46.51163 | 12.93781 | 25.71219 | 47.11505 | 13.54123 | 25.80877 | 39.97117 | 6.39735 | 23.41265 | 44.27349 | 10.69967 | 55.51033 |
| 9/4/2025 | 11:00:00 AM | 33.56044 | 59.36581 | 25.80537 | 21.92463 | 46.50492 | 12.94448 | 25.70552 | 47.11149 | 13.55105 | 25.79895 | 39.96043 | 6.39999 | 23.41001 | 44.26634 | 10.7059 | 55.5041 |
| 9/4/2025 | 12:00:00 PM | 33.54372 | 59.36581 | 25.82209 | 21.90791 | 46.50492 | 12.9612 | 25.6888 | 47.10792 | 13.5642 | 25.7858 | 39.95328 | 6.40956 | 23.40044 | 44.25562 | 10.7119 | 55.4981 |
| 9/4/2025 | 1:00:00 PM | 33.52032 | 59.34082 | 25.8205 | 21.9095 | 46.48144 | 12.96112 | 25.68888 | 47.0794 | 13.55908 | 25.79092 | 39.93897 | 6.41865 | 23.39135 | 44.2449 | 10.72458 | 55.48542 |
| 9/4/2025 | 2:00:00 PM | 33.49691 | 59.32296 | 25.82605 | 21.90395 | 46.4479 | 12.95099 | 25.69901 | 47.06514 | 13.56823 | 25.78177 | 39.92108 | 6.42417 | 23.38583 | 44.23775 | 10.74084 | 55.46916 |
| 9/4/2025 | 3:00:00 PM | 33.46347 | 59.29439 | 25.83092 | 21.89908 | 46.4043 | 12.94083 | 25.70917 | 47.03305 | 13.56958 | 25.78042 | 39.89961 | 6.43614 | 23.37386 | 44.20916 | 10.74569 | 55.46431 |
| 9/4/2025 | 4:00:00 PM | 33.4434 | 59.27654 | 25.83314 | 21.89686 | 46.36406 | 12.92066 | 25.72934 | 47.01523 | 13.57183 | 25.77817 | 39.88172 | 6.43832 | 23.37168 | 44.20201 | 10.75861 | 55.45139 |
| 9/4/2025 | 5:00:00 PM | 33.43337 | 59.25511 | 25.82174 | 21.90826 | 46.33387 | 12.9005 | 25.7495 | 47.00453 | 13.57116 | 25.77884 | 39.86741 | 6.43404 | 23.37596 | 44.20201 | 10.76864 | 55.44136 |
| 9/4/2025 | 6:00:00 PM | 33.42334 | 59.25154 | 25.8282 | 21.9018 | 46.30704 | 12.8837 | 25.7663 | 46.99383 | 13.57049 | 25.77951 | 39.87099 | 6.44765 | 23.36235 | 44.20201 | 10.77867 | 55.43133 |
| 9/4/2025 | 7:00:00 PM | 33.41665 | 59.23369 | 25.81704 | 21.91296 | 46.28021 | 12.86356 | 25.78644 | 46.97957 | 13.56292 | 25.78708 | 39.8531 | 6.43645 | 23.37355 | 44.20201 | 10.78536 | 55.42464 |
| 9/4/2025 | 8:00:00 PM | 33.42668 | 59.23726 | 25.81058 | 21.91942 | 46.27686 | 12.85018 | 25.79982 | 46.98314 | 13.55646 | 25.79354 | 39.84952 | 6.42284 | 23.38716 | 44.21631 | 10.78963 | 55.42037 |
| 9/4/2025 | 9:00:00 PM | 33.43337 | 59.25511 | 25.82174 | 21.90826 | 46.28692 | 12.85355 | 25.79645 | 46.99027 | 13.5569 | 25.7931 | 39.84952 | 6.41615 | 23.39385 | 44.22703 | 10.79366 | 55.41634 |
| 9/4/2025 | 10:00:00 PM | 33.43672 | 59.2444 | 25.80768 | 21.92232 | 46.28692 | 12.8502 | 25.7998 | 46.9867 | 13.54998 | 25.80002 | 39.84952 | 6.4128 | 23.3972 | 44.21988 | 10.78316 | 55.42684 |
| 9/4/2025 | 11:00:00 PM | 33.43672 | 59.24083 | 25.80411 | 21.92589 | 46.29027 | 12.85355 | 25.79645 | 46.98314 | 13.54642 | 25.80358 | 39.84237 | 6.40565 | 23.40435 | 44.21273 | 10.77601 | 55.43399 |
| 9/5/2025 | 12:00:00 AM | 33.44006 | 59.25154 | 25.81148 | 21.91852 | 46.29698 | 12.85692 | 25.79308 | 46.97601 | 13.53595 | 25.81405 | 39.83879 | 6.39873 | 23.41127 | 44.20559 | 10.76553 | 55.44447 |
| 9/5/2025 | 1:00:00 AM | 33.43337 | 59.2444 | 25.81103 | 21.91897 | 46.30033 | 12.86696 | 25.78304 | 46.97601 | 13.54264 | 25.80736 | 39.83521 | 6.40184 | 23.40816 | 44.20201 | 10.76864 | 55.44136 |
| 9/5/2025 | 2:00:00 AM | 33.43003 | 59.24797 | 25.81794 | 21.91206 | 46.31375 | 12.88372 | 25.76628 | 46.96888 | 13.53885 | 25.81115 | 39.83163 | 6.4016 | 23.4084 | 44.19486 | 10.76483 | 55.44517 |
| 9/5/2025 | 3:00:00 AM | 33.43672 | 59.2444 | 25.80768 | 21.92232 | 46.3171 | 12.88038 | 25.76962 | 46.96531 | 13.52859 | 25.82141 | 39.83521 | 6.39849 | 23.41151 | 44.19486 | 10.75814 | 55.45186 |
| 9/5/2025 | 4:00:00 AM | 33.43337 | 59.2444 | 25.81103 | 21.91897 | 46.33052 | 12.89715 | 25.75285 | 46.9867 | 13.55333 | 25.79667 | 39.83521 | 6.40184 | 23.40816 | 44.20201 | 10.76864 | 55.44136 |
| 9/5/2025 | 5:00:00 AM | 33.43672 | 59.2444 | 25.80768 | 21.92232 | 46.34729 | 12.91057 | 25.73943 | 46.98314 | 13.54642 | 25.80358 | 39.83163 | 6.39491 | 23.41509 | 44.19486 | 10.75814 | 55.45186 |
| 9/5/2025 | 6:00:00 AM | 33.44006 | 59.24797 | 25.80791 | 21.92209 | 46.354 | 12.91394 | 25.73606 | 46.97957 | 13.53951 | 25.81049 | 39.82448 | 6.38442 | 23.42558 | 44.19844 | 10.75838 | 55.45162 |
| 9/5/2025 | 7:00:00 AM | 33.4434 | 59.25511 | 25.81171 | 21.91829 | 46.36406 | 12.92066 | 25.72934 | 46.9867 | 13.5433 | 25.8067 | 39.83163 | 6.38823 | 23.42177 | 44.19486 | 10.75146 | 55.45854 |
| 9/5/2025 | 8:00:00 AM | 33.45678 | 59.25869 | 25.80191 | 21.92809 | 46.38083 | 12.92405 | 25.72595 | 46.9974 | 13.54062 | 25.80938 | 39.84237 | 6.38559 | 23.42441 | 44.20559 | 10.74881 | 55.46119 |
| 9/5/2025 | 9:00:00 AM | 33.45678 | 59.26583 | 25.80905 | 21.92095 | 46.3976 | 12.94082 | 25.70918 | 47.00096 | 13.54418 | 25.80582 | 39.84594 | 6.38916 | 23.42084 | 44.19844 | 10.74166 | 55.46834 |
| 9/5/2025 | 10:00:00 AM | 33.46681 | 59.2694 | 25.80259 | 21.92741 | 46.4043 | 12.93749 | 25.71251 | 47.00453 | 13.53772 | 25.81228 | 39.84237 | 6.37556 | 23.43444 | 44.20201 | 10.7352 | 55.4748 |
| 9/5/2025 | 11:00:00 AM | 33.46681 | 59.2694 | 25.80259 | 21.92741 | 46.41437 | 12.94756 | 25.70244 | 47.0081 | 13.54129 | 25.80871 | 39.84237 | 6.37556 | 23.43444 | 44.18772 | 10.72091 | 55.48909 |
| 9/5/2025 | 12:00:00 PM | 33.45344 | 59.25511 | 25.80167 | 21.92833 | 46.40095 | 12.94751 | 25.70249 | 46.9974 | 13.54396 | 25.80604 | 39.83521 | 6.38177 | 23.42823 | 44.17699 | 10.72355 | 55.48645 |
| 9/5/2025 | 1:00:00 PM | 33.43672 | 59.2444 | 25.80768 | 21.92232 | 46.39089 | 12.95417 | 25.69583 | 46.99383 | 13.55711 | 25.79289 | 39.82448 | 6.38776 | 23.42224 | 44.16627 | 10.72955 | 55.48045 |
| 9/5/2025 | 2:00:00 PM | 33.42334 | 59.23369 | 25.81035 | 21.91965 | 46.37412 | 12.95078 | 25.69922 | 46.97957 | 13.55623 | 25.79377 | 39.81732 | 6.39398 | 23.41602 | 44.15912 | 10.73578 | 55.47422 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/5/2025 | 3:00:00 PM | 33.40662 | 59.20869 | 25.80207 | 21.92793 | 46.33052 | 12.9239 | 25.7261 | 46.95462 | 13.548 | 25.802 | 39.81017 | 6.40355 | 23.40645 | 44.13768 | 10.73106 | 55.47894 |
| 9/5/2025 | 4:00:00 PM | 33.38656 | 59.20512 | 25.81856 | 21.91144 | 46.30369 | 12.91713 | 25.73287 | 46.95105 | 13.56449 | 25.78551 | 39.79585 | 6.40929 | 23.40071 | 44.13411 | 10.74755 | 55.46245 |
| 9/5/2025 | 5:00:00 PM | 33.39659 | 59.19798 | 25.80139 | 21.92861 | 46.27686 | 12.88027 | 25.76973 | 46.94392 | 13.54733 | 25.80267 | 39.79943 | 6.40284 | 23.40716 | 44.13768 | 10.74109 | 55.46891 |
| 9/5/2025 | 6:00:00 PM | 33.3899 | 59.19798 | 25.80808 | 21.92192 | 46.25673 | 12.86683 | 25.78317 | 46.93679 | 13.54689 | 25.80311 | 39.79228 | 6.40238 | 23.40762 | 44.1484 | 10.7585 | 55.4515 |
| 9/5/2025 | 7:00:00 PM | 33.38656 | 59.18727 | 25.80071 | 21.92929 | 46.22655 | 12.83999 | 25.81001 | 46.94036 | 13.5538 | 25.7962 | 39.79228 | 6.40572 | 23.40428 | 44.14483 | 10.75827 | 55.45173 |
| 9/5/2025 | 8:00:00 PM | 33.38656 | 59.18727 | 25.80071 | 21.92929 | 46.21984 | 12.83328 | 25.81672 | 46.93679 | 13.55023 | 25.79977 | 39.78512 | 6.39856 | 23.41144 | 44.14483 | 10.75827 | 55.45173 |
| 9/5/2025 | 9:00:00 PM | 33.40662 | 59.19798 | 25.79136 | 21.93864 | 46.22319 | 12.81657 | 25.83343 | 46.94749 | 13.54087 | 25.80913 | 39.79228 | 6.38566 | 23.42434 | 44.15555 | 10.74893 | 55.46107 |
| 9/5/2025 | 10:00:00 PM | 33.42334 | 59.20869 | 25.78535 | 21.94465 | 46.24667 | 12.82333 | 25.82667 | 46.95105 | 13.52771 | 25.82229 | 39.79585 | 6.37251 | 23.43749 | 44.16985 | 10.74651 | 55.46349 |
| 9/5/2025 | 11:00:00 PM | 33.42668 | 59.20869 | 25.78201 | 21.94799 | 46.25673 | 12.83005 | 25.81995 | 46.95462 | 13.52794 | 25.82206 | 39.80301 | 6.37633 | 23.43367 | 44.16985 | 10.74317 | 55.46683 |
| 9/6/2025 | 12:00:00 AM | 33.43337 | 59.21941 | 25.78604 | 21.94396 | 46.27686 | 12.84349 | 25.80651 | 46.96888 | 13.53551 | 25.81449 | 39.80301 | 6.36964 | 23.44036 | 44.16985 | 10.73648 | 55.47352 |
| 9/6/2025 | 1:00:00 AM | 33.44675 | 59.23369 | 25.78694 | 21.94306 | 46.29698 | 12.85023 | 25.79977 | 46.96531 | 13.51856 | 25.83144 | 39.81732 | 6.37057 | 23.43943 | 44.16627 | 10.71952 | 55.49048 |
| 9/6/2025 | 2:00:00 AM | 33.46012 | 59.24083 | 25.78071 | 21.94929 | 46.3104 | 12.85028 | 25.79972 | 46.97957 | 13.51945 | 25.83055 | 39.81732 | 6.3572 | 23.4528 | 44.17699 | 10.71687 | 55.49313 |
| 9/6/2025 | 3:00:00 AM | 33.45678 | 59.23369 | 25.77691 | 21.95309 | 46.32381 | 12.86703 | 25.78297 | 46.98314 | 13.52636 | 25.82364 | 39.8209 | 6.36412 | 23.44588 | 44.17342 | 10.71664 | 55.49336 |
| 9/6/2025 | 4:00:00 AM | 33.46347 | 59.24797 | 25.7845 | 21.9455 | 46.33723 | 12.87376 | 25.77624 | 46.9867 | 13.52323 | 25.82677 | 39.83163 | 6.36816 | 23.44184 | 44.17342 | 10.70995 | 55.50005 |
| 9/6/2025 | 5:00:00 AM | 33.4735 | 59.25511 | 25.78161 | 21.94839 | 46.36406 | 12.89056 | 25.75944 | 46.99383 | 13.52033 | 25.82967 | 39.83163 | 6.35813 | 23.45187 | 44.18057 | 10.70707 | 55.50293 |
| 9/6/2025 | 6:00:00 AM | 33.48353 | 59.26583 | 25.7823 | 21.9477 | 46.38418 | 12.90065 | 25.74935 | 47.01166 | 13.52813 | 25.82187 | 39.84594 | 6.36241 | 23.44759 | 44.18772 | 10.70419 | 55.50581 |
| 9/6/2025 | 7:00:00 AM | 33.5036 | 59.27654 | 25.77294 | 21.95706 | 46.40095 | 12.89735 | 25.75265 | 47.02236 | 13.51876 | 25.83124 | 39.8531 | 6.3495 | 23.4605 | 44.19129 | 10.68769 | 55.52231 |
| 9/6/2025 | 8:00:00 AM | 33.52366 | 59.29796 | 25.7743 | 21.9557 | 46.43449 | 12.91083 | 25.73917 | 47.04731 | 13.52365 | 25.82635 | 39.86741 | 6.34375 | 23.46625 | 44.20201 | 10.67835 | 55.53165 |
| 9/6/2025 | 9:00:00 AM | 33.5571 | 59.3301 | 25.773 | 21.957 | 46.46803 | 12.91093 | 25.73907 | 47.07227 | 13.51517 | 25.83483 | 39.89961 | 6.34251 | 23.46749 | 44.22345 | 10.66635 | 55.54365 |
| 9/6/2025 | 10:00:00 AM | 33.56379 | 59.32653 | 25.76274 | 21.96726 | 46.47809 | 12.9143 | 25.7357 | 47.08297 | 13.51918 | 25.83082 | 39.89246 | 6.32867 | 23.48133 | 44.21631 | 10.65252 | 55.55748 |
| 9/6/2025 | 11:00:00 AM | 33.53035 | 59.30154 | 25.77119 | 21.95881 | 46.45797 | 12.92762 | 25.72238 | 47.05444 | 13.52409 | 25.82591 | 39.86741 | 6.33706 | 23.47294 | 44.18772 | 10.65737 | 55.55263 |
| 9/6/2025 | 12:00:00 PM | 33.527 | 59.29082 | 25.76382 | 21.96618 | 46.45797 | 12.93097 | 25.71903 | 47.05088 | 13.52388 | 25.82612 | 39.86741 | 6.34041 | 23.46959 | 44.16627 | 10.63927 | 55.57073 |
| 9/6/2025 | 1:00:00 PM | 33.49022 | 59.27297 | 25.78275 | 21.94725 | 46.42107 | 12.93085 | 25.71915 | 47.01523 | 13.52501 | 25.82499 | 39.85668 | 6.36646 | 23.44354 | 44.13768 | 10.64746 | 55.56254 |
| 9/6/2025 | 2:00:00 PM | 33.49022 | 59.27654 | 25.78632 | 21.94368 | 46.42443 | 12.93421 | 25.71579 | 47.02949 | 13.53927 | 25.81073 | 39.86741 | 6.37719 | 23.43281 | 44.15555 | 10.66533 | 55.54467 |
| 9/6/2025 | 3:00:00 PM | 33.52032 | 59.29439 | 25.77407 | 21.95593 | 46.43449 | 12.91417 | 25.73583 | 47.04731 | 13.52699 | 25.82301 | 39.88888 | 6.36856 | 23.44144 | 44.18057 | 10.66025 | 55.54975 |
| 9/6/2025 | 4:00:00 PM | 33.52366 | 59.29796 | 25.7743 | 21.9557 | 46.42443 | 12.90077 | 25.74923 | 47.05444 | 13.53078 | 25.81922 | 39.87814 | 6.35448 | 23.45552 | 44.18772 | 10.66406 | 55.54594 |
| 9/6/2025 | 5:00:00 PM | 33.51697 | 59.28725 | 25.77028 | 21.95972 | 46.42107 | 12.9041 | 25.7459 | 47.04731 | 13.53034 | 25.81966 | 39.88172 | 6.36475 | 23.44525 | 44.18772 | 10.67075 | 55.53925 |
| 9/6/2025 | 6:00:00 PM | 33.52366 | 59.29082 | 25.76716 | 21.96284 | 46.3976 | 12.87394 | 25.77606 | 47.04731 | 13.52365 | 25.82635 | 39.88172 | 6.35806 | 23.45194 | 44.19129 | 10.66763 | 55.54237 |
| 9/6/2025 | 7:00:00 PM | 33.53369 | 59.30511 | 25.77142 | 21.95858 | 46.39424 | 12.86055 | 25.78945 | 47.05801 | 13.52432 | 25.82568 | 39.89246 | 6.35877 | 23.45123 | 44.20559 | 10.6719 | 55.5381 |
| 9/6/2025 | 8:00:00 PM | 33.54707 | 59.30511 | 25.75804 | 21.97196 | 46.3976 | 12.85053 | 25.79947 | 47.06514 | 13.51807 | 25.83193 | 39.89603 | 6.34896 | 23.46104 | 44.20916 | 10.66209 | 55.54791 |
| 9/6/2025 | 9:00:00 PM | 33.5571 | 59.32653 | 25.76943 | 21.96057 | 46.41437 | 12.85727 | 25.79273 | 47.07227 | 13.51517 | 25.83483 | 39.89961 | 6.34251 | 23.46749 | 44.22345 | 10.66635 | 55.54365 |
| 9/6/2025 | 10:00:00 PM | 33.57716 | 59.33367 | 25.75651 | 21.97349 | 46.4412 | 12.86404 | 25.78596 | 47.09723 | 13.52007 | 25.82993 | 39.92108 | 6.34392 | 23.46608 | 44.2306 | 10.65344 | 55.55656 |
| 9/6/2025 | 11:00:00 PM | 33.62398 | 59.37295 | 25.74897 | 21.98103 | 46.4848 | 12.86082 | 25.78918 | 47.13288 | 13.5089 | 25.8411 | 39.9497 | 6.32572 | 23.48428 | 44.25919 | 10.63521 | 55.57479 |
| 9/7/2025 | 12:00:00 AM | 33.6407 | 59.38367 | 25.74297 | 21.98703 | 46.51163 | 12.87093 | 25.77907 | 47.14714 | 13.50644 | 25.84356 | 39.95686 | 6.31616 | 23.49384 | 44.26992 | 10.62922 | 55.58078 |
| 9/7/2025 | 1:00:00 AM | 33.6407 | 59.39081 | 25.75011 | 21.97989 | 46.52169 | 12.88099 | 25.76901 | 47.15071 | 13.51001 | 25.83999 | 39.96401 | 6.32331 | 23.48669 | 44.26277 | 10.62207 | 55.58793 |
| 9/7/2025 | 2:00:00 AM | 33.62732 | 59.38009 | 25.75277 | 21.97723 | 46.51498 | 12.88766 | 25.76234 | 47.13644 | 13.50912 | 25.84088 | 39.95328 | 6.32596 | 23.48404 | 44.23775 | 10.61043 | 55.59957 |
| 9/7/2025 | 3:00:00 AM | 33.61729 | 59.37652 | 25.75923 | 21.97077 | 46.52169 | 12.9044 | 25.7456 | 47.12931 | 13.51202 | 25.83798 | 39.96043 | 6.34314 | 23.46686 | 44.2306 | 10.61331 | 55.59669 |
| 9/7/2025 | 4:00:00 AM | 33.63736 | 59.39795 | 25.76059 | 21.96941 | 46.54181 | 12.90445 | 25.74555 | 47.14001 | 13.50265 | 25.84735 | 39.97117 | 6.33381 | 23.47619 | 44.24847 | 10.61111 | 55.59889 |
| 9/7/2025 | 5:00:00 AM | 33.64404 | 59.39081 | 25.74677 | 21.98323 | 46.55187 | 12.90783 | 25.74217 | 47.15427 | 13.51023 | 25.83977 | 39.97117 | 6.32713 | 23.48287 | 44.24847 | 10.60443 | 55.60557 |
| 9/7/2025 | 6:00:00 AM | 33.63401 | 59.39795 | 25.76394 | 21.96606 | 46.56864 | 12.93463 | 25.71537 | 47.15427 | 13.52026 | 25.82974 | 39.97832 | 6.34431 | 23.46569 | 44.24847 | 10.61446 | 55.59554 |
| 9/7/2025 | 7:00:00 AM | 33.66076 | 59.42295 | 25.76219 | 21.96781 | 46.58206 | 12.9213 | 25.7287 | 47.17566 | 13.5149 | 25.8351 | 39.99621 | 6.33545 | 23.47455 | 44.26634 | 10.60558 | 55.60442 |
| 9/7/2025 | 8:00:00 AM | 33.68083 | 59.44794 | 25.76711 | 21.96289 | 46.61224 | 12.93141 | 25.71859 | 47.19705 | 13.51622 | 25.83378 | 40.01052 | 6.32969 | 23.48031 | 44.28421 | 10.60338 | 55.60662 |
| 9/7/2025 | 9:00:00 AM | 33.69755 | 59.44437 | 25.74682 | 21.98318 | 46.63237 | 12.93482 | 25.71518 | 47.21488 | 13.51733 | 25.83267 | 40.01052 | 6.31297 | 23.49703 | 44.29493 | 10.59738 | 55.61262 |
| 9/7/2025 | 10:00:00 AM | 33.71092 | 59.46937 | 25.75845 | 21.97155 | 46.65249 | 12.94157 | 25.70843 | 47.21845 | 13.50753 | 25.84247 | 40.02483 | 6.31391 | 23.49609 | 44.30208 | 10.59116 | 55.61884 |
| 9/7/2025 | 11:00:00 AM | 33.70758 | 59.46223 | 25.75465 | 21.97535 | 46.6592 | 12.95162 | 25.69838 | 47.22201 | 13.51443 | 25.83557 | 40.03199 | 6.32441 | 23.48559 | 44.28421 | 10.57663 | 55.63337 |
| 9/7/2025 | 12:00:00 PM | 33.71092 | 59.46937 | 25.75845 | 21.97155 | 46.66926 | 12.95834 | 25.69166 | 47.23627 | 13.52535 | 25.82465 | 40.03557 | 6.32465 | 23.48535 | 44.29136 | 10.58044 | 55.62956 |
| 9/7/2025 | 1:00:00 PM | 33.70758 | 59.46937 | 25.76179 | 21.96821 | 46.66926 | 12.96168 | 25.68832 | 47.23984 | 13.53226 | 25.81774 | 40.03557 | 6.32799 | 23.48201 | 44.28421 | 10.57663 | 55.63337 |
| 9/7/2025 | 2:00:00 PM | 33.70424 | 59.46223 | 25.75799 | 21.97201 | 46.66591 | 12.96167 | 25.68833 | 47.22914 | 13.5249 | 25.8251 | 40.03915 | 6.33491 | 23.47509 | 44.28421 | 10.57997 | 55.63003 |
| 9/7/2025 | 3:00:00 PM | 33.69755 | 59.46937 | 25.77182 | 21.95818 | 46.65249 | 12.95494 | 25.69506 | 47.22914 | 13.53159 | 25.81841 | 40.04272 | 6.34517 | 23.46483 | 44.27706 | 10.57951 | 55.63049 |
| 9/7/2025 | 4:00:00 PM | 33.69086 | 59.4658 | 25.77494 | 21.95506 | 46.64578 | 12.95492 | 25.69508 | 47.22201 | 13.53115 | 25.81885 | 40.03915 | 6.34829 | 23.46171 | 44.28064 | 10.58978 | 55.62022 |
| 9/7/2025 | 5:00:00 PM | 33.68752 | 59.45508 | 25.76756 | 21.96244 | 46.62566 | 12.93814 | 25.71186 | 47.21845 | 13.53093 | 25.81907 | 40.03199 | 6.34447 | 23.46553 | 44.27349 | 10.58597 | 55.62403 |
| 9/7/2025 | 6:00:00 PM | 33.68417 | 59.44437 | 25.7602 | 21.9698 | 46.61224 | 12.92807 | 25.72193 | 47.20775 | 13.52358 | 25.82642 | 40.03557 | 6.3514 | 23.4586 | 44.27349 | 10.58932 | 55.62068 |
| 9/7/2025 | 7:00:00 PM | 33.68417 | 59.44794 | 25.76377 | 21.96623 | 46.60889 | 12.92472 | 25.72528 | 47.20775 | 13.52358 | 25.82642 | 40.03199 | 6.34782 | 23.46218 | 44.28064 | 10.59647 | 55.61353 |
| 9/7/2025 | 8:00:00 PM | 33.6942 | 59.46223 | 25.76803 | 21.96197 | 46.60889 | 12.91469 | 25.73531 | 47.21488 | 13.52068 | 25.82932 | 40.03915 | 6.34495 | 23.46505 | 44.29493 | 10.60073 | 55.60927 |
| 9/7/2025 | 9:00:00 PM | 33.70424 | 59.46223 | 25.75799 | 21.97201 | 46.62566 | 12.92142 | 25.72858 | 47.22558 | 13.52134 | 25.82866 | 40.0463 | 6.34206 | 23.46794 | 44.30565 | 10.60141 | 55.60859 |
| 9/7/2025 | 10:00:00 PM | 33.70758 | 59.46937 | 25.76179 | 21.96821 | 46.63237 | 12.92479 | 25.72521 | 47.22914 | 13.52156 | 25.82844 | 40.0463 | 6.33872 | 23.47128 | 44.3128 | 10.60522 | 55.60478 |
| 9/7/2025 | 11:00:00 PM | 33.70758 | 59.46937 | 25.76179 | 21.96821 | 46.63237 | 12.92479 | 25.72521 | 47.23271 | 13.52513 | 25.82487 | 40.03915 | 6.33157 | 23.47843 | 44.30565 | 10.59807 | 55.61193 |
| 9/8/2025 | 12:00:00 AM | 33.69755 | 59.4658 | 25.76825 | 21.96175 | 46.63572 | 12.93817 | 25.71183 | 47.20419 | 13.50664 | 25.84336 | 40.03915 | 6.3416 | 23.4684 | 44.30565 | 10.6081 | 55.6019 |
| 9/8/2025 | 1:00:00 AM | 33.6942 | 59.46223 | 25.76803 | 21.96197 | 46.63572 | 12.94152 | 25.70848 | 47.21845 | 13.52425 | 25.82575 | 40.03557 | 6.34137 | 23.46863 | 44.29136 | 10.59716 | 55.61284 |
| 9/8/2025 | 2:00:00 AM | 33.68752 | 59.46223 | 25.77471 | 21.95529 | 46.63908 | 12.95156 | 25.69844 | 47.21488 | 13.52736 | 25.82264 | 40.03199 | 6.34447 | 23.46553 | 44.29136 | 10.60384 | 55.60616 |
| 9/8/2025 | 3:00:00 AM | 33.67414 | 59.44794 | 25.7738 | 21.9562 | 46.62901 | 12.95487 | 25.69513 | 47.19349 | 13.51935 | 25.83065 | 40.02483 | 6.35069 | 23.45931 | 44.28421 | 10.61007 | 55.59993 |
| 9/8/2025 | 4:00:00 AM | 33.67414 | 59.44437 | 25.77023 | 21.95977 | 46.63237 | 12.95823 | 25.69177 | 47.19349 | 13.51935 | 25.83065 | 40.02483 | 6.35069 | 23.45931 | 44.29493 | 10.62079 | 55.58921 |
| 9/8/2025 | 5:00:00 AM | 33.65742 | 59.4408 | 25.78338 | 21.94662 | 46.63237 | 12.97495 | 25.67505 | 47.18992 | 13.5325 | 25.8175 | 40.01768 | 6.36026 | 23.44974 | 44.27706 | 10.61964 | 55.59036 |
| 9/8/2025 | 6:00:00 AM | 33.65073 | 59.44437 | 25.79364 | 21.93636 | 46.63572 | 12.98499 | 25.66501 | 47.18992 | 13.53919 | 25.81081 | 40.01768 | 6.36695 | 23.44305 | 44.28064 | 10.62991 | 55.58009 |
| 9/8/2025 | 7:00:00 AM | 33.65742 | 59.45508 | 25.79766 | 21.93234 | 46.64243 | 12.98501 | 25.66499 | 47.18636 | 13.52894 | 25.82106 | 40.01768 | 6.36026 | 23.44974 | 44.28778 | 10.63036 | 55.57964 |
| 9/8/2025 | 8:00:00 AM | 33.66745 | 59.44794 | 25.78049 | 21.94951 | 46.64578 | 12.97833 | 25.67167 | 47.18992 | 13.52247 | 25.82753 | 40.0141 | 6.34665 | 23.46335 | 44.29136 | 10.62391 | 55.58609 |
| 9/8/2025 | 9:00:00 AM | 33.66076 | 59.44437 | 25.78361 | 21.94639 | 46.64914 | 12.98838 | 25.66162 | 47.20062 | 13.53986 | 25.81014 | 40.01768 | 6.35692 | 23.45308 | 44.29136 | 10.6306 | 55.5794 |
| 9/8/2025 | 10:00:00 AM | 33.65073 | 59.4408 | 25.79007 | 21.93993 | 46.64914 | 12.99841 | 25.65159 | 47.19349 | 13.54276 | 25.80724 | 40.00694 | 6.35621 | 23.45379 | 44.28778 | 10.63705 | 55.57295 |
| 9/8/2025 | 11:00:00 AM | 33.65073 | 59.4408 | 25.79007 | 21.93993 | 46.63572 | 12.98499 | 25.66501 | 47.17923 | 13.5285 | 25.8215 | 40.00694 | 6.35621 | 23.45379 | 44.27706 | 10.62633 | 55.58367 |
| 9/8/2025 | 12:00:00 PM | 33.62732 | 59.42652 | 25.7992 | 21.9308 | 46.61895 | 12.99163 | 25.65837 | 47.1721 | 13.54478 | 25.80522 | 39.98906 | 6.36174 | 23.44826 | 44.27706 | 10.64974 | 55.56026 |
| 9/8/2025 | 1:00:00 PM | 33.6106 | 59.40866 | 25.79806 | 21.93194 | 46.59212 | 12.98152 | 25.66848 | 47.15784 | 13.54724 | 25.80276 | 39.9819 | 6.3713 | 23.4387 | 44.25562 | 10.64502 | 55.56498 |
| 9/8/2025 | 2:00:00 PM | 33.59723 | 59.39795 | 25.80072 | 21.92928 | 46.56194 | 12.96471 | 25.68529 | 47.13288 | 13.53565 | 25.81435 | 39.97117 | 6.37394 | 23.43606 | 44.25205 | 10.65482 | 55.55518 |
| 9/8/2025 | 3:00:00 PM | 33.58385 | 59.38367 | 25.79982 | 21.93018 | 46.53846 | 12.95461 | 25.69539 | 47.12218 | 13.53833 | 25.81167 | 39.96043 | 6.37658 | 23.43342 | 44.2449 | 10.66105 | 55.54895 |
| 9/8/2025 | 4:00:00 PM | 33.55376 | 59.35153 | 25.79777 | 21.93223 | 46.48815 | 12.93439 | 25.71561 | 47.10079 | 13.54703 | 25.80297 | 39.93897 | 6.38521 | 23.42479 | 44.21988 | 10.66612 | 55.54388 |
| 9/8/2025 | 5:00:00 PM | 33.54707 | 59.34082 | 25.79375 | 21.93625 | 46.45461 | 12.90754 | 25.74246 | 47.08653 | 13.53946 | 25.81054 | 39.92823 | 6.38116 | 23.42884 | 44.22345 | 10.67638 | 55.53362 |
| 9/8/2025 | 6:00:00 PM | 33.54038 | 59.33367 | 25.79329 | 21.93671 | 46.43114 | 12.89076 | 25.75924 | 47.0794 | 13.53902 | 25.81098 | 39.92466 | 6.38428 | 23.42572 | 44.23418 | 10.6938 | 55.5162 |
| 9/8/2025 | 7:00:00 PM | 33.54707 | 59.3301 | 25.78303 | 21.94697 | 46.41101 | 12.86394 | 25.78606 | 47.07584 | 13.52877 | 25.82123 | 39.92108 | 6.37401 | 23.43599 | 44.23418 | 10.68711 | 55.52289 |
| 9/8/2025 | 8:00:00 PM | 33.55376 | 59.33724 | 25.78348 | 21.94652 | 46.4043 | 12.85054 | 25.79946 | 47.08653 | 13.53277 | 25.81723 | 39.92823 | 6.37447 | 23.43553 | 44.24847 | 10.69471 | 55.51529 |
| 9/8/2025 | 9:00:00 PM | 33.57048 | 59.3551 | 25.78462 | 21.94538 | 46.41437 | 12.84389 | 25.80611 | 47.08653 | 13.51605 | 25.83395 | 39.93897 | 6.36849 | 23.44151 | 44.25919 | 10.68871 | 55.52129 |
| 9/8/2025 | 10:00:00 PM | 33.58385 | 59.35867 | 25.77482 | 21.95518 | 46.42778 | 12.84393 | 25.80607 | 47.09366 | 13.50981 | 25.84019 | 39.93181 | 6.34796 | 23.46204 | 44.27349 | 10.68964 | 55.52036 |
| 9/8/2025 | 11:00:00 PM | 33.5872 | 59.36224 | 25.77504 | 21.95496 | 46.43114 | 12.84394 | 25.80606 | 47.09366 | 13.50646 | 25.84354 | 39.93181 | 6.34461 | 23.46539 | 44.26277 | 10.67557 | 55.53443 |
| 9/9/2025 | 12:00:00 AM | 33.5872 | 59.34796 | 25.76076 | 21.96924 | 46.43784 | 12.85064 | 25.79936 | 47.0901 | 13.5029 | 25.8471 | 39.93181 | 6.34461 | 23.46539 | 44.25919 | 10.67199 | 55.53801 |
| 9/9/2025 | 1:00:00 AM | 33.58385 | 59.3551 | 25.77125 | 21.95875 | 46.44455 | 12.8607 | 25.7893 | 47.09366 | 13.50981 | 25.84019 | 39.92823 | 6.34438 | 23.46562 | 44.2449 | 10.66105 | 55.54895 |
| 9/9/2025 | 2:00:00 AM | 33.59388 | 59.3551 | 25.76122 | 21.96878 | 46.45126 | 12.85738 | 25.79262 | 47.08653 | 13.49265 | 25.85735 | 39.93181 | 6.33793 | 23.47207 | 44.2449 | 10.65102 | 55.55898 |
| 9/9/2025 | 3:00:00 AM | 33.57048 | 59.35153 | 25.78105 | 21.94895 | 46.45126 | 12.88078 | 25.76922 | 47.07227 | 13.50179 | 25.84821 | 39.9175 | 6.34702 | 23.46298 | 44.2306 | 10.66012 | 55.54988 |
| 9/9/2025 | 4:00:00 AM | 33.57048 | 59.34082 | 25.77034 | 21.95966 | 46.45126 | 12.88078 | 25.76922 | 47.07227 | 13.50179 | 25.84821 | 39.91392 | 6.34344 | 23.46656 | 44.2306 | 10.66012 | 55.54988 |
| 9/9/2025 | 5:00:00 AM | 33.56044 | 59.34796 | 25.78752 | 21.94248 | 46.45797 | 12.89753 | 25.75247 | 47.06514 | 13.5047 | 25.8453 | 39.9175 | 6.35706 | 23.45294 | 44.22703 | 10.66659 | 55.54341 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/9/2025 | 6:00:00 AM | 33.55376 | 59.3301 | 25.77634 | 21.95366 | 46.4479 | 12.89414 | 25.75586 | 47.05801 | 13.50425 | 25.84575 | 39.91392 | 6.36016 | 23.44984 | 44.22345 | 10.66969 | 55.54031 |
| 9/9/2025 | 7:00:00 AM | 33.5571 | 59.34082 | 25.78372 | 21.94628 | 46.46803 | 12.91093 | 25.73907 | 47.06157 | 13.50447 | 25.84553 | 39.90677 | 6.34967 | 23.46033 | 44.22703 | 10.66993 | 55.54007 |
| 9/9/2025 | 8:00:00 AM | 33.56044 | 59.34796 | 25.78752 | 21.94248 | 46.47474 | 12.9143 | 25.7357 | 47.06514 | 13.5047 | 25.8453 | 39.91034 | 6.3499 | 23.4601 | 44.2306 | 10.67016 | 55.53984 |
| 9/9/2025 | 9:00:00 AM | 33.56713 | 59.34796 | 25.78083 | 21.94917 | 46.4848 | 12.91767 | 25.73233 | 47.0687 | 13.50157 | 25.84843 | 39.91034 | 6.34321 | 23.46679 | 44.2306 | 10.66347 | 55.54653 |
| 9/9/2025 | 10:00:00 AM | 33.56713 | 59.35153 | 25.7844 | 21.9456 | 46.49486 | 12.92773 | 25.72227 | 47.0794 | 13.51227 | 25.83773 | 39.90677 | 6.33964 | 23.47036 | 44.23418 | 10.66705 | 55.54295 |
| 9/9/2025 | 11:00:00 AM | 33.56044 | 59.33724 | 25.7768 | 21.9532 | 46.49486 | 12.93442 | 25.71558 | 47.06157 | 13.50113 | 25.84887 | 39.89961 | 6.33917 | 23.47083 | 44.22345 | 10.66301 | 55.54699 |
| 9/9/2025 | 12:00:00 PM | 33.54038 | 59.3301 | 25.78972 | 21.94028 | 46.47138 | 12.931 | 25.719 | 47.05444 | 13.51406 | 25.83594 | 39.89246 | 6.35208 | 23.45792 | 44.21273 | 10.67235 | 55.53765 |
| 9/9/2025 | 1:00:00 PM | 33.54707 | 59.32653 | 25.77946 | 21.95054 | 46.47138 | 12.92431 | 25.72569 | 47.05444 | 13.50737 | 25.84263 | 39.89246 | 6.34539 | 23.46461 | 44.20559 | 10.65852 | 55.55148 |
| 9/9/2025 | 2:00:00 PM | 33.53035 | 59.31939 | 25.78904 | 21.94096 | 46.45461 | 12.92426 | 25.72574 | 47.04375 | 13.5134 | 25.8366 | 39.88888 | 6.35853 | 23.45147 | 44.20559 | 10.67524 | 55.53476 |
| 9/9/2025 | 3:00:00 PM | 33.51363 | 59.30154 | 25.78791 | 21.94209 | 46.42107 | 12.90744 | 25.74256 | 47.02236 | 13.50873 | 25.84127 | 39.86741 | 6.35378 | 23.45622 | 44.19129 | 10.67766 | 55.53234 |
| 9/9/2025 | 4:00:00 PM | 33.5036 | 59.28725 | 25.78365 | 21.94635 | 46.40095 | 12.89735 | 25.75265 | 47.01879 | 13.51519 | 25.83481 | 39.86383 | 6.36023 | 23.44977 | 44.17699 | 10.67339 | 55.53661 |
| 9/9/2025 | 5:00:00 PM | 33.50025 | 59.28725 | 25.787 | 21.943 | 46.38418 | 12.88393 | 25.76607 | 47.0081 | 13.50785 | 25.84215 | 39.8531 | 6.35285 | 23.45715 | 44.18414 | 10.68389 | 55.52611 |
| 9/9/2025 | 6:00:00 PM | 33.49022 | 59.2694 | 25.77918 | 21.95082 | 46.36406 | 12.87384 | 25.77616 | 47.00453 | 13.51431 | 25.83569 | 39.84594 | 6.35572 | 23.45428 | 44.18057 | 10.69035 | 55.51965 |
| 9/9/2025 | 7:00:00 PM | 33.5036 | 59.28011 | 25.77651 | 21.95349 | 46.36406 | 12.86046 | 25.78954 | 47.0081 | 13.5045 | 25.8455 | 39.85668 | 6.35308 | 23.45692 | 44.20201 | 10.69841 | 55.51159 |
| 9/9/2025 | 8:00:00 PM | 33.51363 | 59.29082 | 25.77719 | 21.95281 | 46.354 | 12.84037 | 25.80963 | 47.01523 | 13.5016 | 25.8484 | 39.86383 | 6.3502 | 23.4598 | 44.20559 | 10.69196 | 55.51804 |
| 9/9/2025 | 9:00:00 PM | 33.51363 | 59.28725 | 25.77362 | 21.95638 | 46.354 | 12.84037 | 25.80963 | 47.01523 | 13.5016 | 25.8484 | 39.85668 | 6.34305 | 23.46695 | 44.20559 | 10.69196 | 55.51804 |
| 9/9/2025 | 10:00:00 PM | 33.527 | 59.29082 | 25.76382 | 21.96618 | 46.35735 | 12.83035 | 25.81965 | 47.01166 | 13.48466 | 25.86534 | 39.85668 | 6.32968 | 23.48032 | 44.20916 | 10.68216 | 55.52784 |
| 9/9/2025 | 11:00:00 PM | 33.527 | 59.29439 | 25.76739 | 21.96261 | 46.37412 | 12.84712 | 25.80288 | 47.01879 | 13.49179 | 25.85821 | 39.85668 | 6.32968 | 23.48032 | 44.20559 | 10.67859 | 55.53141 |
| 9/10/2025 | 12:00:00 AM | 33.54038 | 59.30154 | 25.76116 | 21.96884 | 46.38418 | 12.8438 | 25.8062 | 47.01523 | 13.47485 | 25.87515 | 39.86741 | 6.32703 | 23.48297 | 44.20559 | 10.66521 | 55.54479 |
| 9/10/2025 | 1:00:00 AM | 33.53369 | 59.30154 | 25.76785 | 21.96215 | 46.38418 | 12.85049 | 25.79951 | 47.02592 | 13.49223 | 25.85777 | 39.86741 | 6.33372 | 23.47628 | 44.19844 | 10.66475 | 55.54525 |
| 9/10/2025 | 2:00:00 AM | 33.53035 | 59.29439 | 25.76404 | 21.96596 | 46.3976 | 12.86725 | 25.78275 | 47.01879 | 13.48844 | 25.86156 | 39.86026 | 6.32991 | 23.48009 | 44.18772 | 10.65737 | 55.55263 |
| 9/10/2025 | 3:00:00 AM | 33.527 | 59.29082 | 25.76382 | 21.96618 | 46.39424 | 12.86724 | 25.78276 | 47.0081 | 13.4811 | 25.8689 | 39.85668 | 6.32968 | 23.48032 | 44.17699 | 10.64999 | 55.56001 |
| 9/10/2025 | 4:00:00 AM | 33.527 | 59.30511 | 25.77811 | 21.95189 | 46.40766 | 12.88066 | 25.76934 | 47.01166 | 13.48466 | 25.86534 | 39.86741 | 6.34041 | 23.46959 | 44.18772 | 10.66072 | 55.54928 |
| 9/10/2025 | 5:00:00 AM | 33.53369 | 59.30154 | 25.76785 | 21.96215 | 46.42107 | 12.88738 | 25.76262 | 47.01166 | 13.47797 | 25.87203 | 39.86026 | 6.32657 | 23.48343 | 44.19129 | 10.6576 | 55.5524 |
| 9/10/2025 | 6:00:00 AM | 33.527 | 59.30154 | 25.77454 | 21.95546 | 46.42778 | 12.90078 | 25.74922 | 47.0081 | 13.4811 | 25.8689 | 39.86383 | 6.33683 | 23.47317 | 44.18772 | 10.66072 | 55.54928 |
| 9/10/2025 | 7:00:00 AM | 33.54038 | 59.31582 | 25.77544 | 21.95456 | 46.4412 | 12.90082 | 25.74918 | 47.01879 | 13.47841 | 25.87159 | 39.87099 | 6.33061 | 23.47939 | 44.19844 | 10.65806 | 55.55194 |
| 9/10/2025 | 8:00:00 AM | 33.55041 | 59.31582 | 25.76541 | 21.96459 | 46.46132 | 12.91091 | 25.73909 | 47.04018 | 13.48977 | 25.86023 | 39.87814 | 6.32773 | 23.48227 | 44.20559 | 10.65518 | 55.55482 |
| 9/10/2025 | 9:00:00 AM | 33.56379 | 59.33367 | 25.76988 | 21.96012 | 46.4848 | 12.92101 | 25.72899 | 47.06157 | 13.49778 | 25.85222 | 39.8853 | 6.32151 | 23.48849 | 44.21273 | 10.64894 | 55.56106 |
| 9/10/2025 | 10:00:00 AM | 33.57048 | 59.34082 | 25.77034 | 21.95966 | 46.49486 | 12.92438 | 25.72562 | 47.06514 | 13.49466 | 25.85534 | 39.88888 | 6.3184 | 23.4916 | 44.21631 | 10.64583 | 55.56417 |
| 9/10/2025 | 11:00:00 AM | 33.56379 | 59.3301 | 25.76631 | 21.96369 | 46.50157 | 12.93778 | 25.71222 | 47.05444 | 13.49065 | 25.85935 | 39.88172 | 6.31793 | 23.49207 | 44.20916 | 10.64537 | 55.56463 |
| 9/10/2025 | 12:00:00 PM | 33.56044 | 59.33367 | 25.77323 | 21.95677 | 46.49151 | 12.93107 | 25.71893 | 47.05801 | 13.49757 | 25.85243 | 39.8853 | 6.32486 | 23.48514 | 44.20201 | 10.64157 | 55.56843 |
| 9/10/2025 | 1:00:00 PM | 33.54038 | 59.32296 | 25.78258 | 21.94742 | 46.48144 | 12.94106 | 25.70894 | 47.04018 | 13.4998 | 25.8502 | 39.86741 | 6.32703 | 23.48297 | 44.18772 | 10.64734 | 55.56266 |
| 9/10/2025 | 2:00:00 PM | 33.53035 | 59.30868 | 25.77833 | 21.95167 | 46.45797 | 12.92762 | 25.72238 | 47.03305 | 13.5027 | 25.8473 | 39.86383 | 6.33348 | 23.47652 | 44.17342 | 10.64307 | 55.56693 |
| 9/10/2025 | 3:00:00 PM | 33.51028 | 59.28368 | 25.7734 | 21.9566 | 46.42443 | 12.91415 | 25.73585 | 47.01166 | 13.50138 | 25.84862 | 39.84594 | 6.33566 | 23.47434 | 44.15198 | 10.6417 | 55.5683 |
| 9/10/2025 | 4:00:00 PM | 33.49691 | 59.2694 | 25.77249 | 21.95751 | 46.3976 | 12.90069 | 25.74931 | 46.99383 | 13.49692 | 25.85308 | 39.84237 | 6.34546 | 23.46454 | 44.15198 | 10.65507 | 55.55493 |
| 9/10/2025 | 5:00:00 PM | 33.48019 | 59.26583 | 25.78564 | 21.94436 | 46.36741 | 12.88722 | 25.76278 | 46.99383 | 13.51364 | 25.83636 | 39.83521 | 6.35502 | 23.45498 | 44.14483 | 10.66464 | 55.54536 |
| 9/10/2025 | 6:00:00 PM | 33.48688 | 59.25869 | 25.77181 | 21.95819 | 46.34058 | 12.8537 | 25.7963 | 46.98314 | 13.49626 | 25.85374 | 39.83521 | 6.34833 | 23.46167 | 44.15555 | 10.66867 | 55.54133 |
| 9/10/2025 | 7:00:00 PM | 33.49022 | 59.25154 | 25.76132 | 21.96868 | 46.33052 | 12.8403 | 25.8097 | 46.97957 | 13.48935 | 25.86065 | 39.82806 | 6.33784 | 23.47216 | 44.1627 | 10.67248 | 55.53752 |
| 9/10/2025 | 8:00:00 PM | 33.51028 | 59.27654 | 25.76626 | 21.96374 | 46.33723 | 12.82695 | 25.82305 | 47.00453 | 13.49425 | 25.85575 | 39.84952 | 6.33924 | 23.47076 | 44.19486 | 10.68458 | 55.52542 |
| 9/10/2025 | 9:00:00 PM | 33.53035 | 59.28725 | 25.7569 | 21.9731 | 46.34729 | 12.81694 | 25.83306 | 47.01523 | 13.48488 | 25.86512 | 39.8531 | 6.32275 | 23.48725 | 44.19486 | 10.66451 | 55.54549 |
| 9/10/2025 | 10:00:00 PM | 33.53704 | 59.28725 | 25.75021 | 21.97979 | 46.34393 | 12.80689 | 25.84311 | 47.02236 | 13.48532 | 25.86468 | 39.84594 | 6.3089 | 23.5011 | 44.20201 | 10.66497 | 55.54503 |
| 9/10/2025 | 11:00:00 PM | 33.54707 | 59.30154 | 25.75447 | 21.97553 | 46.36406 | 12.81699 | 25.83301 | 47.02236 | 13.47529 | 25.87471 | 39.85668 | 6.30961 | 23.50039 | 44.19844 | 10.65137 | 55.55863 |
| 9/11/2025 | 12:00:00 AM | 33.55041 | 59.29439 | 25.74398 | 21.98602 | 46.37747 | 12.82706 | 25.82294 | 47.02592 | 13.47551 | 25.87449 | 39.86741 | 6.317 | 23.493 | 44.19486 | 10.64445 | 55.56555 |
| 9/11/2025 | 1:00:00 AM | 33.56379 | 59.30511 | 25.74132 | 21.98868 | 46.38753 | 12.82374 | 25.82626 | 47.02949 | 13.4657 | 25.8843 | 39.86383 | 6.30004 | 23.50996 | 44.19844 | 10.63465 | 55.57535 |
| 9/11/2025 | 2:00:00 AM | 33.56713 | 59.31225 | 25.74512 | 21.98488 | 46.4043 | 12.83717 | 25.81283 | 47.04018 | 13.47305 | 25.87695 | 39.87457 | 6.30744 | 23.50256 | 44.19129 | 10.62416 | 55.58584 |
| 9/11/2025 | 3:00:00 AM | 33.57716 | 59.31939 | 25.74223 | 21.98777 | 46.42107 | 12.84391 | 25.80609 | 47.03305 | 13.45589 | 25.89411 | 39.88172 | 6.30456 | 23.50544 | 44.19844 | 10.62128 | 55.58872 |
| 9/11/2025 | 4:00:00 AM | 33.57382 | 59.31939 | 25.74557 | 21.98443 | 46.43114 | 12.85732 | 25.79268 | 47.04731 | 13.47349 | 25.87651 | 39.87814 | 6.30432 | 23.50568 | 44.19844 | 10.62462 | 55.58538 |
| 9/11/2025 | 5:00:00 AM | 33.57716 | 59.32653 | 25.74937 | 21.98063 | 46.4412 | 12.86404 | 25.78596 | 47.03662 | 13.45946 | 25.89054 | 39.87814 | 6.30098 | 23.50902 | 44.19486 | 10.6177 | 55.5923 |
| 9/11/2025 | 6:00:00 AM | 33.5872 | 59.33367 | 25.74647 | 21.98353 | 46.46132 | 12.87412 | 25.77588 | 47.05088 | 13.46368 | 25.88632 | 39.8853 | 6.2981 | 23.5119 | 44.20916 | 10.62196 | 55.58804 |
| 9/11/2025 | 7:00:00 AM | 33.6106 | 59.36224 | 25.75164 | 21.97836 | 46.48815 | 12.87755 | 25.77245 | 47.07227 | 13.46167 | 25.88833 | 39.90319 | 6.29259 | 23.51741 | 44.22345 | 10.61285 | 55.59715 |
| 9/11/2025 | 8:00:00 AM | 33.63067 | 59.38009 | 25.74942 | 21.98058 | 46.52169 | 12.89102 | 25.75898 | 47.10079 | 13.47012 | 25.87988 | 39.92466 | 6.29399 | 23.51601 | 44.24132 | 10.61065 | 55.59935 |
| 9/11/2025 | 9:00:00 AM | 33.65073 | 59.39438 | 25.74365 | 21.98635 | 46.54517 | 12.89444 | 25.75556 | 47.11862 | 13.46789 | 25.88211 | 39.93539 | 6.28466 | 23.52534 | 44.25205 | 10.60132 | 55.60868 |
| 9/11/2025 | 10:00:00 AM | 33.65073 | 59.39081 | 25.74008 | 21.98992 | 46.55187 | 12.90114 | 25.74886 | 47.12575 | 13.47502 | 25.87498 | 39.93897 | 6.28824 | 23.52176 | 44.24132 | 10.59059 | 55.61941 |
| 9/11/2025 | 11:00:00 AM | 33.65073 | 59.38724 | 25.73651 | 21.99349 | 46.56194 | 12.91121 | 25.73879 | 47.12218 | 13.47145 | 25.87855 | 39.92823 | 6.2775 | 23.5325 | 44.2306 | 10.57987 | 55.63013 |
| 9/11/2025 | 12:00:00 PM | 33.65073 | 59.39795 | 25.74722 | 21.98278 | 46.56529 | 12.91456 | 25.73544 | 47.12575 | 13.47502 | 25.87498 | 39.93897 | 6.28824 | 23.52176 | 44.2306 | 10.57987 | 55.63013 |
| 9/11/2025 | 1:00:00 PM | 33.62732 | 59.38009 | 25.75277 | 21.97723 | 46.54517 | 12.91785 | 25.73215 | 47.11149 | 13.48417 | 25.86583 | 39.92823 | 6.30091 | 23.50909 | 44.20916 | 10.58184 | 55.62816 |
| 9/11/2025 | 2:00:00 PM | 33.6106 | 59.36938 | 25.75878 | 21.97122 | 46.53175 | 12.92115 | 25.72885 | 47.09366 | 13.48306 | 25.86694 | 39.92466 | 6.31406 | 23.49594 | 44.19844 | 10.58784 | 55.62216 |
| 9/11/2025 | 3:00:00 PM | 33.6106 | 59.36224 | 25.75164 | 21.97836 | 46.51498 | 12.90438 | 25.74562 | 47.09366 | 13.48306 | 25.86694 | 39.92823 | 6.31763 | 23.49237 | 44.20559 | 10.59499 | 55.61501 |
| 9/11/2025 | 4:00:00 PM | 33.61729 | 59.37295 | 25.75566 | 21.97434 | 46.50492 | 12.88763 | 25.76237 | 47.10436 | 13.48707 | 25.86293 | 39.93181 | 6.31452 | 23.49548 | 44.21631 | 10.59902 | 55.61098 |
| 9/11/2025 | 5:00:00 PM | 33.6407 | 59.38367 | 25.74297 | 21.98703 | 46.49821 | 12.85751 | 25.79249 | 47.11862 | 13.47792 | 25.87208 | 39.94612 | 6.30542 | 23.50458 | 44.23418 | 10.59348 | 55.61652 |
| 9/11/2025 | 6:00:00 PM | 33.64404 | 59.38724 | 25.7432 | 21.9868 | 46.49821 | 12.85417 | 25.79583 | 47.12218 | 13.47814 | 25.87186 | 39.95328 | 6.30924 | 23.50076 | 44.2449 | 10.60086 | 55.60914 |
| 9/11/2025 | 7:00:00 PM | 33.65408 | 59.39795 | 25.74387 | 21.98613 | 46.48815 | 12.83407 | 25.81593 | 47.13288 | 13.4788 | 25.8712 | 39.95328 | 6.2992 | 23.5108 | 44.24847 | 10.59439 | 55.61561 |
| 9/11/2025 | 8:00:00 PM | 33.66076 | 59.39081 | 25.73005 | 21.99995 | 46.4848 | 12.82404 | 25.82596 | 47.14001 | 13.47925 | 25.87075 | 39.96043 | 6.29967 | 23.51033 | 44.25562 | 10.59486 | 55.61514 |
| 9/11/2025 | 9:00:00 PM | 33.66411 | 59.39795 | 25.73384 | 21.99616 | 46.47474 | 12.81063 | 25.83937 | 47.12218 | 13.45807 | 25.89193 | 39.95328 | 6.28917 | 23.52083 | 44.24847 | 10.58436 | 55.62564 |
| 9/11/2025 | 10:00:00 PM | 33.66745 | 59.39795 | 25.7305 | 21.9995 | 46.48144 | 12.81399 | 25.83601 | 47.13288 | 13.46543 | 25.88457 | 39.96043 | 6.29298 | 23.51702 | 44.2449 | 10.57745 | 55.63255 |
| 9/11/2025 | 11:00:00 PM | 33.67748 | 59.40152 | 25.72404 | 22.00596 | 46.49151 | 12.81403 | 25.83597 | 47.12575 | 13.44827 | 25.90173 | 39.96401 | 6.28653 | 23.52347 | 44.25562 | 10.57814 | 55.63186 |
| 9/12/2025 | 12:00:00 AM | 33.68752 | 59.41937 | 25.73185 | 21.99815 | 46.50827 | 12.82075 | 25.82925 | 47.14358 | 13.45606 | 25.89394 | 39.97832 | 6.2908 | 23.5192 | 44.26634 | 10.57882 | 55.63118 |
| 9/12/2025 | 1:00:00 AM | 33.71092 | 59.43723 | 25.72631 | 22.00369 | 46.53846 | 12.82754 | 25.82246 | 47.1614 | 13.45048 | 25.89952 | 39.99263 | 6.28171 | 23.52829 | 44.28421 | 10.57329 | 55.63671 |
| 9/12/2025 | 2:00:00 AM | 33.7243 | 59.44437 | 25.72007 | 22.00993 | 46.56194 | 12.83764 | 25.81236 | 47.16853 | 13.44423 | 25.90577 | 39.99621 | 6.27191 | 23.53809 | 44.27706 | 10.55276 | 55.65724 |
| 9/12/2025 | 3:00:00 AM | 33.71427 | 59.43723 | 25.72296 | 22.00704 | 46.56194 | 12.84767 | 25.80233 | 47.16497 | 13.4507 | 25.8993 | 39.99621 | 6.28194 | 23.52806 | 44.27349 | 10.55922 | 55.65078 |
| 9/12/2025 | 4:00:00 AM | 33.70424 | 59.42652 | 25.72228 | 22.00772 | 46.55858 | 12.85434 | 25.79566 | 47.15427 | 13.45003 | 25.89997 | 39.99263 | 6.28839 | 23.52161 | 44.25562 | 10.55138 | 55.65862 |
| 9/12/2025 | 5:00:00 AM | 33.69755 | 59.43723 | 25.73968 | 21.99032 | 46.56529 | 12.86774 | 25.78226 | 47.14714 | 13.44959 | 25.90041 | 39.99263 | 6.29508 | 23.51492 | 44.25919 | 10.56164 | 55.64836 |
| 9/12/2025 | 6:00:00 AM | 33.70089 | 59.43009 | 25.7292 | 22.0008 | 46.57535 | 12.87446 | 25.77554 | 47.15427 | 13.45338 | 25.89662 | 39.99621 | 6.29532 | 23.51468 | 44.25205 | 10.55116 | 55.65884 |
| 9/12/2025 | 7:00:00 AM | 33.71092 | 59.44437 | 25.73345 | 21.99655 | 46.58206 | 12.87114 | 25.77886 | 47.15784 | 13.44692 | 25.90308 | 40.00694 | 6.29602 | 23.51398 | 44.27349 | 10.56257 | 55.64743 |
| 9/12/2025 | 8:00:00 AM | 33.71092 | 59.45151 | 25.74059 | 21.98941 | 46.60218 | 12.89126 | 25.75874 | 47.16497 | 13.45405 | 25.89595 | 39.99621 | 6.28529 | 23.52471 | 44.27706 | 10.56614 | 55.64386 |
| 9/12/2025 | 9:00:00 AM | 33.7243 | 59.4658 | 25.7415 | 21.9885 | 46.6156 | 12.8913 | 25.7587 | 47.17566 | 13.45136 | 25.89864 | 40.0141 | 6.2898 | 23.5202 | 44.28421 | 10.55991 | 55.65009 |
| 9/12/2025 | 10:00:00 AM | 33.70758 | 59.44794 | 25.74036 | 21.98964 | 46.61895 | 12.91137 | 25.73863 | 47.17923 | 13.47165 | 25.87835 | 40.00694 | 6.29936 | 23.51064 | 44.27706 | 10.56948 | 55.64052 |
| 9/12/2025 | 11:00:00 AM | 33.70424 | 59.45508 | 25.75084 | 21.97916 | 46.62231 | 12.91807 | 25.73193 | 47.17566 | 13.47142 | 25.87858 | 39.99979 | 6.29555 | 23.51445 | 44.27349 | 10.56925 | 55.64075 |
| 9/12/2025 | 12:00:00 PM | 33.68417 | 59.44437 | 25.7602 | 21.9698 | 46.60554 | 12.92137 | 25.72863 | 47.16497 | 13.4808 | 25.8692 | 39.99979 | 6.31562 | 23.49438 | 44.25919 | 10.57502 | 55.63498 |
| 9/12/2025 | 1:00:00 PM | 33.68083 | 59.43009 | 25.74926 | 21.98074 | 46.58877 | 12.90794 | 25.74206 | 47.15784 | 13.47701 | 25.87299 | 39.98548 | 6.30465 | 23.50535 | 44.25205 | 10.57122 | 55.63878 |
| 9/12/2025 | 2:00:00 PM | 33.66076 | 59.42295 | 25.76219 | 21.96781 | 46.56194 | 12.90118 | 25.74882 | 47.14001 | 13.47925 | 25.87075 | 39.97832 | 6.31756 | 23.49244 | 44.24132 | 10.58056 | 55.62944 |
| 9/12/2025 | 3:00:00 PM | 33.64404 | 59.40152 | 25.75748 | 21.97252 | 46.52504 | 12.881 | 25.769 | 47.11862 | 13.47458 | 25.87542 | 39.96401 | 6.31997 | 23.49003 | 44.23418 | 10.59014 | 55.61986 |
| 9/12/2025 | 4:00:00 PM | 33.63067 | 59.39081 | 25.76014 | 21.96986 | 46.49151 | 12.86084 | 25.78916 | 47.10079 | 13.47012 | 25.87988 | 39.96043 | 6.32976 | 23.48024 | 44.2306 | 10.59993 | 55.61007 |
| 9/12/2025 | 5:00:00 PM | 33.61729 | 59.37295 | 25.75566 | 21.97434 | 46.46467 | 12.84738 | 25.80262 | 47.09366 | 13.47637 | 25.87363 | 39.95328 | 6.33599 | 23.47401 | 44.23418 | 10.61689 | 55.59311 |
| 9/12/2025 | 6:00:00 PM | 33.60726 | 59.3551 | 25.74784 | 21.98216 | 46.43114 | 12.82388 | 25.82612 | 47.0794 | 13.47214 | 25.87786 | 39.94254 | 6.33528 | 23.47472 | 44.22345 | 10.61619 | 55.59381 |
| 9/12/2025 | 7:00:00 PM | 33.60392 | 59.3551 | 25.75118 | 21.97882 | 46.41101 | 12.80709 | 25.84291 | 47.07584 | 13.47192 | 25.87808 | 39.93897 | 6.33505 | 23.47495 | 44.2306 | 10.62668 | 55.58332 |
| 9/12/2025 | 8:00:00 PM | 33.60726 | 59.3551 | 25.74784 | 21.98216 | 46.40095 | 12.79369 | 25.85631 | 47.07227 | 13.46501 | 25.88499 | 39.93181 | 6.32455 | 23.48545 | 44.24132 | 10.63406 | 55.57594 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/12/2025 | 9:00:00 PM | 33.60726 | 59.36224 | 25.75498 | 21.97502 | 46.39089 | 12.78363 | 25.86637 | 47.0687 | 13.46144 | 25.88856 | 39.92823 | 6.32097 | 23.48903 | 44.23775 | 10.63049 | 55.57951 |
| 9/12/2025 | 10:00:00 PM | 33.59723 | 59.34082 | 25.74359 | 21.98641 | 46.38753 | 12.7903 | 25.8597 | 47.04731 | 13.45008 | 25.89992 | 39.92108 | 6.32385 | 23.48615 | 44.22703 | 10.6298 | 55.5802 |
| 9/12/2025 | 11:00:00 PM | 33.59054 | 59.3301 | 25.73956 | 21.99044 | 46.38418 | 12.79364 | 25.85636 | 47.04018 | 13.44964 | 25.90036 | 39.90677 | 6.31623 | 23.49377 | 44.21631 | 10.62577 | 55.58423 |
| 9/13/2025 | 12:00:00 AM | 33.57382 | 59.32653 | 25.75271 | 21.97729 | 46.37077 | 12.79695 | 25.85305 | 47.01879 | 13.44497 | 25.90503 | 39.89603 | 6.32221 | 23.48779 | 44.20916 | 10.63534 | 55.57466 |
| 9/13/2025 | 1:00:00 AM | 33.55376 | 59.31582 | 25.76206 | 21.96794 | 46.35735 | 12.80359 | 25.84641 | 47.0081 | 13.45434 | 25.89566 | 39.8853 | 6.33154 | 23.47846 | 44.20201 | 10.64825 | 55.56175 |
| 9/13/2025 | 2:00:00 AM | 33.54707 | 59.30868 | 25.76161 | 21.96839 | 46.36741 | 12.82034 | 25.82966 | 46.9974 | 13.45033 | 25.89967 | 39.88172 | 6.33465 | 23.47535 | 44.19129 | 10.64422 | 55.56578 |
| 9/13/2025 | 3:00:00 AM | 33.54707 | 59.30868 | 25.76161 | 21.96839 | 46.37077 | 12.8237 | 25.8263 | 46.99027 | 13.4432 | 25.9068 | 39.87457 | 6.3275 | 23.4825 | 44.19486 | 10.64779 | 55.56221 |
| 9/13/2025 | 4:00:00 AM | 33.53035 | 59.29439 | 25.76404 | 21.96596 | 46.37412 | 12.84377 | 25.80623 | 46.9867 | 13.45635 | 25.89365 | 39.86383 | 6.33348 | 23.47652 | 44.18772 | 10.65737 | 55.55263 |
| 9/13/2025 | 5:00:00 AM | 33.52366 | 59.29082 | 25.76716 | 21.96284 | 46.37077 | 12.84711 | 25.80289 | 46.97601 | 13.45235 | 25.89765 | 39.8531 | 6.32944 | 23.48056 | 44.18057 | 10.65691 | 55.55309 |
| 9/13/2025 | 6:00:00 AM | 33.51697 | 59.28368 | 25.76671 | 21.96329 | 46.37747 | 12.8605 | 25.7895 | 46.97244 | 13.45547 | 25.89453 | 39.84237 | 6.3254 | 23.4846 | 44.18057 | 10.6636 | 55.5464 |
| 9/13/2025 | 7:00:00 AM | 33.51363 | 59.28368 | 25.77005 | 21.95995 | 46.38083 | 12.8672 | 25.7828 | 46.96531 | 13.45168 | 25.89832 | 39.84594 | 6.33231 | 23.47769 | 44.18057 | 10.66694 | 55.54306 |
| 9/13/2025 | 8:00:00 AM | 33.50694 | 59.28368 | 25.77674 | 21.95326 | 46.37412 | 12.86718 | 25.78282 | 46.96888 | 13.46194 | 25.88806 | 39.84237 | 6.33543 | 23.47457 | 44.17699 | 10.67005 | 55.53995 |
| 9/13/2025 | 9:00:00 AM | 33.51028 | 59.27654 | 25.76626 | 21.96374 | 46.38753 | 12.87725 | 25.77275 | 46.97244 | 13.46216 | 25.88784 | 39.82806 | 6.31778 | 23.49222 | 44.18057 | 10.67029 | 55.53971 |
| 9/13/2025 | 10:00:00 AM | 33.50694 | 59.28011 | 25.77317 | 21.95683 | 46.39089 | 12.88395 | 25.76605 | 46.96531 | 13.45837 | 25.89163 | 39.82806 | 6.32112 | 23.48888 | 44.18414 | 10.6772 | 55.5328 |
| 9/13/2025 | 11:00:00 AM | 33.49356 | 59.27654 | 25.78298 | 21.94702 | 46.39089 | 12.89733 | 25.75267 | 46.95818 | 13.46462 | 25.88538 | 39.81732 | 6.32376 | 23.48624 | 44.17342 | 10.67986 | 55.53014 |
| 9/13/2025 | 12:00:00 PM | 33.49691 | 59.26226 | 25.76535 | 21.96465 | 46.38418 | 12.88727 | 25.76273 | 46.95462 | 13.45771 | 25.89229 | 39.81374 | 6.31683 | 23.49317 | 44.16627 | 10.66936 | 55.54064 |
| 9/13/2025 | 1:00:00 PM | 33.47016 | 59.25511 | 25.78495 | 21.94505 | 46.36406 | 12.8939 | 25.7561 | 46.93679 | 13.46663 | 25.88337 | 39.79585 | 6.32569 | 23.48431 | 44.1484 | 10.67824 | 55.53176 |
| 9/13/2025 | 2:00:00 PM | 33.45009 | 59.23369 | 25.7836 | 21.9464 | 46.32381 | 12.87372 | 25.77628 | 46.91896 | 13.46887 | 25.88113 | 39.78512 | 6.33503 | 23.47497 | 44.13768 | 10.68759 | 55.52241 |
| 9/13/2025 | 3:00:00 PM | 33.42334 | 59.20512 | 25.78178 | 21.94822 | 46.28021 | 12.85687 | 25.79313 | 46.89401 | 13.47067 | 25.87933 | 39.7565 | 6.33316 | 23.47684 | 44.11266 | 10.68932 | 55.52068 |
| 9/13/2025 | 4:00:00 PM | 33.42 | 59.18727 | 25.76727 | 21.96273 | 46.25003 | 12.83003 | 25.81997 | 46.87975 | 13.45975 | 25.89025 | 39.7565 | 6.3365 | 23.4735 | 44.10909 | 10.68909 | 55.52091 |
| 9/13/2025 | 5:00:00 PM | 33.41331 | 59.17655 | 25.76324 | 21.96676 | 46.22319 | 12.80988 | 25.84012 | 46.86548 | 13.45217 | 25.89783 | 39.74934 | 6.33603 | 23.47397 | 44.10909 | 10.69578 | 55.51422 |
| 9/13/2025 | 6:00:00 PM | 33.41331 | 59.16941 | 25.7561 | 21.9739 | 46.20307 | 12.78976 | 25.86024 | 46.86548 | 13.45217 | 25.89783 | 39.73861 | 6.3253 | 23.4847 | 44.10909 | 10.69578 | 55.51422 |
| 9/13/2025 | 7:00:00 PM | 33.40328 | 59.16941 | 25.76613 | 21.96387 | 46.17289 | 12.76961 | 25.88039 | 46.85479 | 13.45151 | 25.89849 | 39.73503 | 6.33175 | 23.47825 | 44.11266 | 10.70938 | 55.50062 |
| 9/13/2025 | 8:00:00 PM | 33.41665 | 59.17298 | 25.75633 | 21.97367 | 46.16282 | 12.74617 | 25.90383 | 46.85835 | 13.4417 | 25.9083 | 39.73861 | 6.32196 | 23.48804 | 44.11624 | 10.69959 | 55.51041 |
| 9/13/2025 | 9:00:00 PM | 33.40328 | 59.16227 | 25.75899 | 21.97101 | 46.15276 | 12.74948 | 25.90052 | 46.85122 | 13.44794 | 25.90206 | 39.73145 | 6.32817 | 23.48183 | 44.10909 | 10.70581 | 55.50419 |
| 9/13/2025 | 10:00:00 PM | 33.39993 | 59.1587 | 25.75877 | 21.97123 | 46.13935 | 12.73942 | 25.91058 | 46.84053 | 13.4406 | 25.9094 | 39.72072 | 6.32079 | 23.48921 | 44.10552 | 10.70559 | 55.50441 |
| 9/13/2025 | 11:00:00 PM | 33.40328 | 59.15156 | 25.74828 | 21.98172 | 46.1427 | 12.73942 | 25.91058 | 46.83696 | 13.43368 | 25.91632 | 39.71714 | 6.31386 | 23.49614 | 44.10194 | 10.69866 | 55.51134 |
| 9/14/2025 | 12:00:00 AM | 33.39324 | 59.15156 | 25.75832 | 21.97168 | 46.1427 | 12.74946 | 25.90054 | 46.82983 | 13.43659 | 25.91341 | 39.70641 | 6.31317 | 23.49683 | 44.09122 | 10.69798 | 55.51202 |
| 9/14/2025 | 1:00:00 AM | 33.39324 | 59.14442 | 25.75118 | 21.97882 | 46.14941 | 12.75617 | 25.89383 | 46.81914 | 13.4259 | 25.9241 | 39.70999 | 6.31675 | 23.49325 | 44.08407 | 10.69083 | 55.51917 |
| 9/14/2025 | 2:00:00 AM | 33.39324 | 59.14799 | 25.75475 | 21.97525 | 46.15947 | 12.76623 | 25.88377 | 46.8227 | 13.42946 | 25.92054 | 39.70641 | 6.31317 | 23.49683 | 44.09479 | 10.70155 | 55.50845 |
| 9/14/2025 | 3:00:00 AM | 33.39659 | 59.15156 | 25.75497 | 21.97503 | 46.16953 | 12.77294 | 25.87706 | 46.81914 | 13.42255 | 25.92745 | 39.70641 | 6.30982 | 23.50018 | 44.09122 | 10.69463 | 55.51537 |
| 9/14/2025 | 4:00:00 AM | 33.3899 | 59.14799 | 25.75809 | 21.97191 | 46.17624 | 12.78634 | 25.86366 | 46.81557 | 13.42567 | 25.92433 | 39.69568 | 6.30578 | 23.50422 | 44.08407 | 10.69417 | 55.51583 |
| 9/14/2025 | 5:00:00 AM | 33.37987 | 59.13728 | 25.75741 | 21.97259 | 46.17624 | 12.79637 | 25.85363 | 46.80487 | 13.425 | 25.925 | 39.69568 | 6.31581 | 23.49419 | 44.0662 | 10.68633 | 55.52367 |
| 9/14/2025 | 6:00:00 AM | 33.3899 | 59.15156 | 25.76166 | 21.96834 | 46.19972 | 12.80982 | 25.84018 | 46.80844 | 13.41854 | 25.93146 | 39.6921 | 6.3022 | 23.5078 | 44.07335 | 10.68345 | 55.52655 |
| 9/14/2025 | 7:00:00 AM | 33.40328 | 59.1587 | 25.75542 | 21.97458 | 46.21984 | 12.81656 | 25.83344 | 46.82627 | 13.42299 | 25.92701 | 39.69568 | 6.2924 | 23.5176 | 44.08407 | 10.68079 | 55.52921 |
| 9/14/2025 | 8:00:00 AM | 33.43337 | 59.1837 | 25.75033 | 21.97967 | 46.25338 | 12.82001 | 25.82999 | 46.85835 | 13.42498 | 25.92502 | 39.71714 | 6.28377 | 23.52623 | 44.11266 | 10.67929 | 55.53071 |
| 9/14/2025 | 9:00:00 AM | 33.43672 | 59.1837 | 25.74698 | 21.98302 | 46.2668 | 12.83008 | 25.81992 | 46.86192 | 13.4252 | 25.9248 | 39.71714 | 6.28042 | 23.52958 | 44.10552 | 10.6688 | 55.5412 |
| 9/14/2025 | 10:00:00 AM | 33.45344 | 59.20155 | 25.74811 | 21.98189 | 46.29363 | 12.84019 | 25.80981 | 46.87975 | 13.42631 | 25.92369 | 39.73145 | 6.27801 | 23.53199 | 44.10909 | 10.65565 | 55.55435 |
| 9/14/2025 | 11:00:00 AM | 33.46681 | 59.20512 | 25.73831 | 21.99169 | 46.32046 | 12.85365 | 25.79635 | 46.89044 | 13.42363 | 25.92637 | 39.73503 | 6.26822 | 23.54178 | 44.11981 | 10.653 | 55.557 |
| 9/14/2025 | 12:00:00 PM | 33.57716 | 59.23726 | 25.6601 | 22.0699 | 46.34393 | 12.76677 | 25.88323 | 46.91896 | 13.3418 | 26.0082 | 39.75292 | 6.17576 | 23.63424 | 44.13053 | 10.55337 | 55.65663 |
| 9/14/2025 | 1:00:00 PM | 33.66076 | 59.28011 | 25.61935 | 22.11065 | 46.40095 | 12.74019 | 25.90981 | 46.97601 | 13.31525 | 26.03475 | 39.78154 | 6.12078 | 23.68922 | 44.16985 | 10.50909 | 55.70091 |
| 9/14/2025 | 2:00:00 PM | 33.68417 | 59.30868 | 25.62451 | 22.10549 | 46.45797 | 12.7738 | 25.8762 | 47.0081 | 13.32393 | 26.02607 | 39.80301 | 6.11884 | 23.69116 | 44.17699 | 10.49282 | 55.71718 |
| 9/14/2025 | 3:00:00 PM | 33.70089 | 59.33367 | 25.63278 | 22.09722 | 46.50157 | 12.80068 | 25.84932 | 47.03305 | 13.33216 | 26.01784 | 39.81374 | 6.11285 | 23.69715 | 44.19486 | 10.49397 | 55.71603 |
| 9/14/2025 | 4:00:00 PM | 33.7243 | 59.3551 | 25.6308 | 22.0992 | 46.55523 | 12.83093 | 25.81907 | 47.06514 | 13.34084 | 26.00916 | 39.83521 | 6.11091 | 23.69909 | 44.19129 | 10.46699 | 55.74301 |
| 9/14/2025 | 5:00:00 PM | 33.75105 | 59.39081 | 25.63976 | 22.09024 | 46.60889 | 12.85784 | 25.79216 | 47.09366 | 13.34261 | 26.00739 | 39.8531 | 6.10205 | 23.70795 | 44.20559 | 10.45454 | 55.75546 |
| 9/14/2025 | 6:00:00 PM | 33.77112 | 59.4158 | 25.64468 | 22.08532 | 46.65585 | 12.88473 | 25.76527 | 47.13288 | 13.36176 | 25.98824 | 39.8853 | 6.11418 | 23.69582 | 44.22345 | 10.45233 | 55.75767 |
| 9/14/2025 | 7:00:00 PM | 33.78784 | 59.43723 | 25.64939 | 22.08061 | 46.71622 | 12.92838 | 25.72162 | 47.16497 | 13.37713 | 25.97287 | 39.90319 | 6.11535 | 23.69465 | 44.23775 | 10.44991 | 55.76009 |
| 9/14/2025 | 8:00:00 PM | 33.79452 | 59.45865 | 25.66413 | 22.06587 | 46.74975 | 12.95523 | 25.69477 | 47.19349 | 13.39897 | 25.95103 | 39.91392 | 6.1194 | 23.6906 | 44.23418 | 10.43966 | 55.77034 |
| 9/14/2025 | 9:00:00 PM | 33.75774 | 59.46937 | 25.71163 | 22.01837 | 46.80006 | 13.04232 | 25.60768 | 47.22201 | 13.46427 | 25.88573 | 39.93897 | 6.18123 | 23.62877 | 44.24847 | 10.49073 | 55.71927 |
| 9/14/2025 | 10:00:00 PM | 33.77112 | 59.47651 | 25.70539 | 22.02461 | 46.82019 | 13.04907 | 25.60093 | 47.23627 | 13.46515 | 25.88485 | 39.95328 | 6.18216 | 23.62784 | 44.2449 | 10.47378 | 55.73622 |
| 9/14/2025 | 11:00:00 PM | 33.7778 | 59.50508 | 25.72728 | 22.00272 | 46.84702 | 13.06922 | 25.58078 | 47.2541 | 13.4763 | 25.8737 | 39.96759 | 6.18979 | 23.62021 | 44.24847 | 10.47067 | 55.73933 |
| 9/15/2025 | 12:00:00 AM | 33.76777 | 59.51579 | 25.74802 | 21.98198 | 46.86379 | 13.09602 | 25.55398 | 47.27549 | 13.50772 | 25.84228 | 39.9819 | 6.21413 | 23.59587 | 44.25562 | 10.48785 | 55.72215 |
| 9/15/2025 | 1:00:00 AM | 33.78115 | 59.51936 | 25.73821 | 21.99179 | 46.88726 | 13.10611 | 25.54389 | 47.28975 | 13.5086 | 25.8414 | 39.98906 | 6.20791 | 23.60209 | 44.25562 | 10.47447 | 55.73553 |
| 9/15/2025 | 2:00:00 AM | 33.78784 | 59.53364 | 25.7458 | 21.9842 | 46.90739 | 13.11955 | 25.53045 | 47.30045 | 13.51261 | 25.83739 | 40.01052 | 6.22268 | 23.58732 | 44.27349 | 10.48565 | 55.72435 |
| 9/15/2025 | 3:00:00 AM | 33.79118 | 59.54793 | 25.75675 | 21.97325 | 46.91409 | 13.12291 | 25.52709 | 47.31114 | 13.51996 | 25.83004 | 40.0141 | 6.22292 | 23.58708 | 44.26634 | 10.47516 | 55.73484 |
| 9/15/2025 | 4:00:00 AM | 33.78784 | 59.55507 | 25.76723 | 21.96277 | 46.92751 | 13.13967 | 25.51033 | 47.32897 | 13.54113 | 25.80887 | 40.02841 | 6.24057 | 23.56943 | 44.27706 | 10.48922 | 55.72078 |
| 9/15/2025 | 5:00:00 AM | 33.80121 | 59.56221 | 25.761 | 21.969 | 46.93757 | 13.13636 | 25.51364 | 47.34323 | 13.54202 | 25.80798 | 40.04272 | 6.24151 | 23.56849 | 44.29493 | 10.49372 | 55.71628 |
| 9/15/2025 | 6:00:00 AM | 33.79452 | 59.5515 | 25.75698 | 21.97302 | 46.9208 | 13.12628 | 25.52372 | 47.32897 | 13.53445 | 25.81555 | 40.03915 | 6.24463 | 23.56537 | 44.26634 | 10.47182 | 55.73818 |
| 9/15/2025 | 7:00:00 AM | 33.79118 | 59.56578 | 25.7746 | 21.9554 | 46.94428 | 13.1531 | 25.4969 | 47.35393 | 13.56275 | 25.78725 | 40.05703 | 6.26585 | 23.54415 | 44.27706 | 10.48588 | 55.72412 |
| 9/15/2025 | 8:00:00 AM | 33.80456 | 59.58721 | 25.78265 | 21.94735 | 46.9644 | 13.15984 | 25.49016 | 47.36819 | 13.56363 | 25.78637 | 40.07135 | 6.26679 | 23.54321 | 44.30923 | 10.50467 | 55.70533 |
| 9/15/2025 | 9:00:00 AM | 33.80456 | 59.60506 | 25.8005 | 21.9295 | 46.98117 | 13.17661 | 25.47339 | 47.38245 | 13.57789 | 25.77211 | 40.08208 | 6.27752 | 23.53248 | 44.31995 | 10.51539 | 55.69461 |
| 9/15/2025 | 10:00:00 AM | 33.81793 | 59.60149 | 25.78356 | 21.94644 | 46.98117 | 13.16324 | 25.48676 | 47.39314 | 13.57521 | 25.77479 | 40.09281 | 6.27488 | 23.53512 | 44.3271 | 10.50917 | 55.70083 |
| 9/15/2025 | 11:00:00 AM | 33.82462 | 59.60149 | 25.77687 | 21.95313 | 46.97111 | 13.14649 | 25.50351 | 47.39314 | 13.56852 | 25.78148 | 40.08923 | 6.26461 | 23.54539 | 44.30923 | 10.48461 | 55.72539 |
| 9/15/2025 | 12:00:00 PM | 33.83465 | 59.59435 | 25.7597 | 21.9703 | 46.95769 | 13.12304 | 25.52696 | 47.37888 | 13.54423 | 25.80577 | 40.08208 | 6.24743 | 23.56257 | 44.29851 | 10.46386 | 55.74614 |
| 9/15/2025 | 1:00:00 PM | 33.84803 | 59.58006 | 25.73203 | 21.99797 | 46.94763 | 13.0996 | 25.5504 | 47.37175 | 13.52372 | 25.82628 | 40.07135 | 6.22332 | 23.58668 | 44.29136 | 10.44333 | 55.76667 |
| 9/15/2025 | 2:00:00 PM | 33.89484 | 59.56935 | 25.67451 | 22.05549 | 46.92751 | 13.03267 | 25.61733 | 47.35393 | 13.45909 | 25.89091 | 40.06777 | 6.17293 | 23.63707 | 44.28778 | 10.39294 | 55.81706 |
| 9/15/2025 | 3:00:00 PM | 33.8614 | 59.5515 | 25.6901 | 22.0399 | 46.89397 | 13.03257 | 25.61743 | 47.3361 | 13.4747 | 25.8753 | 40.05703 | 6.19563 | 23.61437 | 44.27706 | 10.41566 | 55.79434 |
| 9/15/2025 | 4:00:00 PM | 33.85472 | 59.54793 | 25.69321 | 22.03679 | 46.87385 | 13.01913 | 25.63087 | 47.32897 | 13.47425 | 25.87575 | 40.06061 | 6.20589 | 23.60411 | 44.27706 | 10.42234 | 55.78766 |
| 9/15/2025 | 5:00:00 PM | 33.84134 | 59.54078 | 25.69944 | 22.03056 | 46.85708 | 13.01574 | 25.63426 | 47.31471 | 13.47337 | 25.87663 | 40.04272 | 6.20138 | 23.60862 | 44.27706 | 10.43572 | 55.77428 |
| 9/15/2025 | 6:00:00 PM | 33.838 | 59.53007 | 25.69207 | 22.03793 | 46.8336 | 12.9956 | 25.6544 | 47.31471 | 13.47671 | 25.87329 | 40.04988 | 6.21188 | 23.59812 | 44.28778 | 10.44978 | 55.76022 |
| 9/15/2025 | 7:00:00 PM | 33.838 | 59.53721 | 25.69921 | 22.03079 | 46.8336 | 12.9956 | 25.6544 | 47.31827 | 13.48027 | 25.86973 | 40.04272 | 6.20472 | 23.60528 | 44.29851 | 10.46051 | 55.74949 |
| 9/15/2025 | 8:00:00 PM | 33.81459 | 59.53007 | 25.71548 | 22.01452 | 46.82019 | 13.0056 | 25.6444 | 47.31114 | 13.49655 | 25.85345 | 40.03915 | 6.22456 | 23.58544 | 44.29493 | 10.48034 | 55.72966 |
| 9/15/2025 | 9:00:00 PM | 33.8079 | 59.53364 | 25.72574 | 22.00426 | 46.81348 | 13.00558 | 25.64442 | 47.30401 | 13.49611 | 25.85389 | 40.03915 | 6.23125 | 23.57875 | 44.29851 | 10.49061 | 55.71939 |
| 9/15/2025 | 10:00:00 PM | 33.79787 | 59.53007 | 25.7322 | 21.9978 | 46.82019 | 13.02232 | 25.62768 | 47.30045 | 13.50258 | 25.84742 | 40.03199 | 6.23412 | 23.57588 | 44.30565 | 10.50778 | 55.70222 |
| 9/15/2025 | 11:00:00 PM | 33.78784 | 59.53721 | 25.74937 | 21.98063 | 46.82354 | 13.0357 | 25.6143 | 47.30758 | 13.51974 | 25.83026 | 40.03915 | 6.25131 | 23.55869 | 44.30565 | 10.51781 | 55.69219 |
| 9/16/2025 | 12:00:00 AM | 33.7778 | 59.53007 | 25.75227 | 21.97773 | 46.81683 | 13.03903 | 25.61097 | 47.29688 | 13.51908 | 25.83092 | 40.03557 | 6.25777 | 23.55223 | 44.29851 | 10.52071 | 55.68929 |
| 9/16/2025 | 1:00:00 AM | 33.77112 | 59.51579 | 25.74467 | 21.98533 | 46.81683 | 13.04571 | 25.60429 | 47.29688 | 13.52576 | 25.82424 | 40.02126 | 6.25014 | 23.55986 | 44.30208 | 10.53096 | 55.67904 |
| 9/16/2025 | 2:00:00 AM | 33.75774 | 59.51579 | 25.75805 | 21.97195 | 46.81012 | 13.05238 | 25.59762 | 47.28262 | 13.52488 | 25.82512 | 40.01052 | 6.25278 | 23.55722 | 44.29136 | 10.53362 | 55.67638 |
| 9/16/2025 | 3:00:00 AM | 33.7544 | 59.51579 | 25.76139 | 21.96861 | 46.80342 | 13.04902 | 25.60098 | 47.28262 | 13.52822 | 25.82178 | 40.00694 | 6.25254 | 23.55746 | 44.29136 | 10.53696 | 55.67304 |
| 9/16/2025 | 4:00:00 AM | 33.74436 | 59.49436 | 25.75 | 21.98 | 46.79 | 13.04564 | 25.60436 | 47.26479 | 13.52043 | 25.82957 | 39.99979 | 6.25543 | 23.55457 | 44.27706 | 10.5327 | 55.6773 |
| 9/16/2025 | 5:00:00 AM | 33.73099 | 59.48365 | 25.75266 | 21.97734 | 46.77659 | 13.0456 | 25.6044 | 47.24697 | 13.51598 | 25.83402 | 39.99263 | 6.26164 | 23.54836 | 44.26634 | 10.53535 | 55.67465 |
| 9/16/2025 | 6:00:00 AM | 33.71761 | 59.4658 | 25.74819 | 21.98181 | 46.75982 | 13.04221 | 25.60779 | 47.22914 | 13.51153 | 25.83847 | 39.97832 | 6.26071 | 23.54929 | 44.25919 | 10.54158 | 55.66842 |
| 9/16/2025 | 7:00:00 AM | 33.71427 | 59.45865 | 25.74438 | 21.98562 | 46.75982 | 13.04555 | 25.60445 | 47.22558 | 13.51131 | 25.83869 | 39.97117 | 6.2569 | 23.5531 | 44.25919 | 10.54492 | 55.66508 |
| 9/16/2025 | 8:00:00 AM | 33.71761 | 59.45508 | 25.73747 | 21.99253 | 46.7464 | 13.02879 | 25.62121 | 47.21132 | 13.49371 | 25.85629 | 39.96401 | 6.2464 | 23.5636 | 44.24847 | 10.53086 | 55.67914 |
| 9/16/2025 | 9:00:00 AM | 33.71427 | 59.45151 | 25.73724 | 21.99276 | 46.74305 | 13.02878 | 25.62122 | 47.20419 | 13.48992 | 25.86008 | 39.95328 | 6.23901 | 23.57099 | 44.23775 | 10.52348 | 55.68652 |
| 9/16/2025 | 10:00:00 AM | 33.7243 | 59.44794 | 25.72364 | 22.00636 | 46.74305 | 13.01875 | 25.63125 | 47.20062 | 13.47632 | 25.87368 | 39.94612 | 6.22182 | 23.58818 | 44.25205 | 10.52775 | 55.68225 |
| 9/16/2025 | 11:00:00 AM | 33.73433 | 59.4408 | 25.70647 | 22.02353 | 46.72963 | 12.9953 | 25.6547 | 47.18992 | 13.45559 | 25.89441 | 39.93539 | 6.20106 | 23.60894 | 44.23775 | 10.50342 | 55.70658 |

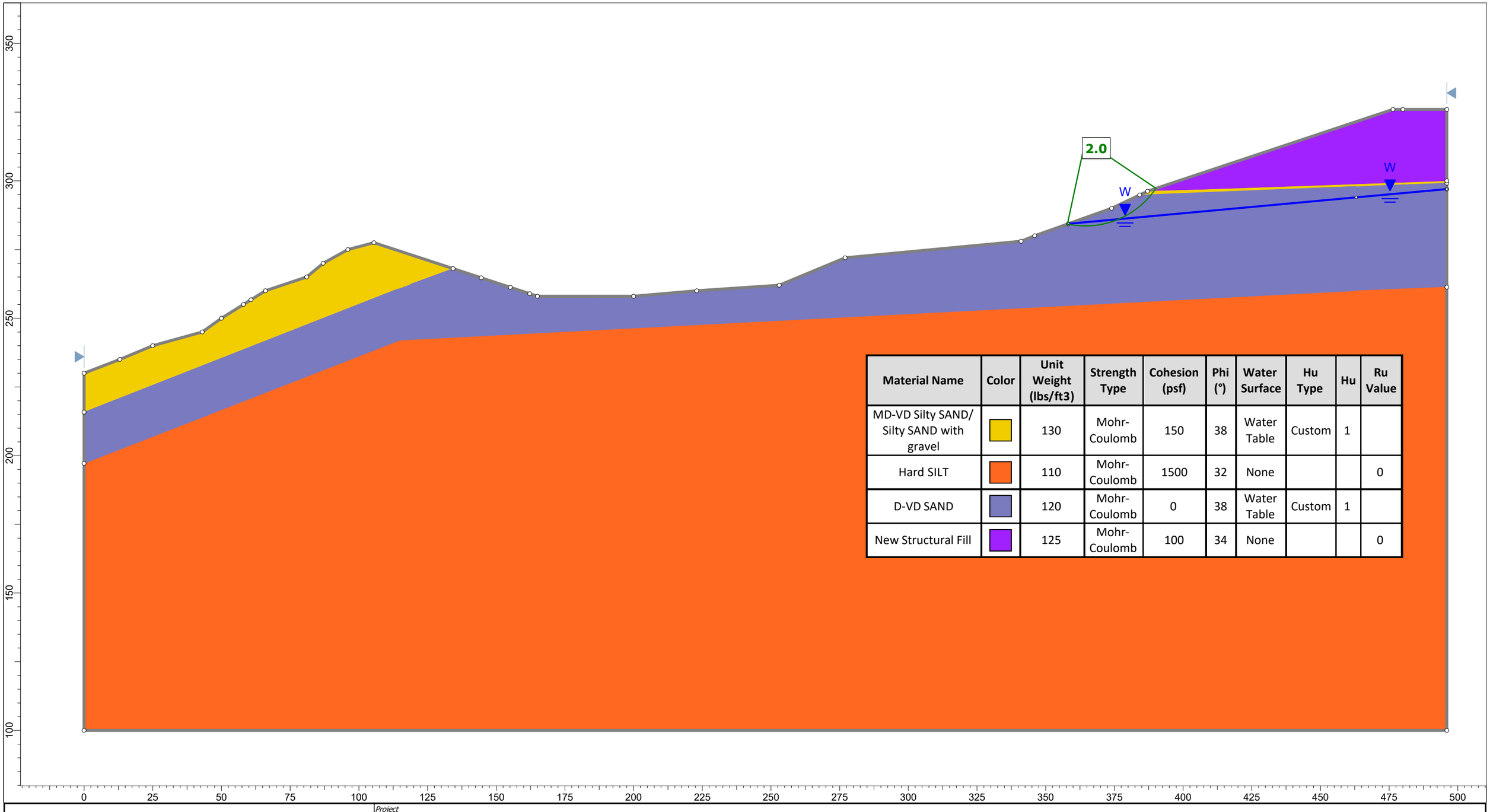
| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/16/2025 | 12:00:00 PM | 33.7544 | 59.42652 | 25.67212 | 22.05788 | 46.72292 | 12.96852 | 25.68148 | 47.17923 | 13.42483 | 25.92517 | 39.92108 | 6.16668 | 23.64332 | 44.2306 | 10.4762 | 55.7338 |
| 9/16/2025 | 1:00:00 PM | 33.76777 | 59.40866 | 25.64089 | 22.08911 | 46.69609 | 12.92832 | 25.72168 | 47.16497 | 13.3972 | 25.9528 | 39.90319 | 6.13542 | 23.67458 | 44.22345 | 10.45568 | 55.75432 |
| 9/16/2025 | 2:00:00 PM | 33.7778 | 59.38724 | 25.60944 | 22.12056 | 46.66255 | 12.88475 | 25.76525 | 47.14358 | 13.36578 | 25.98422 | 39.88172 | 6.10392 | 23.70608 | 44.21273 | 10.43493 | 55.77507 |
| 9/16/2025 | 3:00:00 PM | 33.74102 | 59.36581 | 25.62479 | 22.10521 | 46.62566 | 12.88464 | 25.76536 | 47.12575 | 13.38473 | 25.96527 | 39.87457 | 6.13355 | 23.67645 | 44.19844 | 10.45742 | 55.75258 |
| 9/16/2025 | 4:00:00 PM | 33.73768 | 59.35153 | 25.61385 | 22.11615 | 46.58877 | 12.85109 | 25.79891 | 47.11149 | 13.37381 | 25.97619 | 39.85668 | 6.119 | 23.691 | 44.18772 | 10.45004 | 55.75996 |
| 9/16/2025 | 5:00:00 PM | 33.72096 | 59.34082 | 25.61986 | 22.11014 | 46.56194 | 12.84098 | 25.80902 | 47.09723 | 13.37627 | 25.97373 | 39.8531 | 6.13214 | 23.67786 | 44.18414 | 10.46318 | 55.74682 |
| 9/16/2025 | 6:00:00 PM | 33.71092 | 59.32653 | 25.61561 | 22.11439 | 46.53846 | 12.82754 | 25.82246 | 47.08653 | 13.37561 | 25.97439 | 39.83879 | 6.12787 | 23.68213 | 44.18414 | 10.47322 | 55.73678 |
| 9/16/2025 | 7:00:00 PM | 33.69755 | 59.31939 | 25.62184 | 22.10816 | 46.52504 | 12.82749 | 25.82251 | 47.0901 | 13.39255 | 25.95745 | 39.83879 | 6.14124 | 23.66876 | 44.19129 | 10.49374 | 55.71626 |
| 9/16/2025 | 8:00:00 PM | 33.68752 | 59.32653 | 25.63901 | 22.09099 | 46.51834 | 12.83082 | 25.81918 | 47.0794 | 13.39188 | 25.95812 | 39.83521 | 6.14769 | 23.66231 | 44.19486 | 10.50734 | 55.70266 |
| 9/16/2025 | 9:00:00 PM | 33.67748 | 59.33724 | 25.65976 | 22.07024 | 46.52504 | 12.84756 | 25.80244 | 47.09723 | 13.41975 | 25.93025 | 39.84237 | 6.16489 | 23.64511 | 44.21631 | 10.53883 | 55.67117 |
| 9/16/2025 | 10:00:00 PM | 33.6708 | 59.34082 | 25.67002 | 22.05998 | 46.54181 | 12.87101 | 25.77899 | 47.10079 | 13.42999 | 25.92001 | 39.84594 | 6.17514 | 23.63486 | 44.21631 | 10.54551 | 55.66449 |
| 9/16/2025 | 11:00:00 PM | 33.67748 | 59.3551 | 25.67762 | 22.05238 | 46.55523 | 12.87775 | 25.77225 | 47.11149 | 13.43401 | 25.91599 | 39.84237 | 6.16489 | 23.64511 | 44.21631 | 10.53883 | 55.67117 |
| 9/17/2025 | 12:00:00 AM | 33.66076 | 59.3551 | 25.69434 | 22.03566 | 46.56529 | 12.90453 | 25.74547 | 47.11149 | 13.45073 | 25.89927 | 39.84952 | 6.18876 | 23.62124 | 44.21988 | 10.55912 | 55.65088 |
| 9/17/2025 | 1:00:00 AM | 33.66076 | 59.36224 | 25.70148 | 22.02852 | 46.572 | 12.91124 | 25.73876 | 47.11862 | 13.45786 | 25.89214 | 39.8531 | 6.19234 | 23.61766 | 44.21988 | 10.55912 | 55.65088 |
| 9/17/2025 | 2:00:00 AM | 33.66076 | 59.38009 | 25.71933 | 22.01067 | 46.60218 | 12.94142 | 25.70858 | 47.13644 | 13.47568 | 25.87432 | 39.87099 | 6.21023 | 23.59977 | 44.23418 | 10.57342 | 55.63658 |
| 9/17/2025 | 3:00:00 AM | 33.65742 | 59.38367 | 25.72625 | 22.00375 | 46.61224 | 12.95482 | 25.69518 | 47.14358 | 13.48616 | 25.86384 | 39.87099 | 6.21357 | 23.59643 | 44.23418 | 10.57676 | 55.63324 |
| 9/17/2025 | 4:00:00 AM | 33.66076 | 59.38009 | 25.71933 | 22.01067 | 46.6156 | 12.95484 | 25.69516 | 47.14358 | 13.48282 | 25.86718 | 39.87457 | 6.21381 | 23.59619 | 44.2306 | 10.56984 | 55.64016 |
| 9/17/2025 | 5:00:00 AM | 33.66411 | 59.40866 | 25.74455 | 21.98545 | 46.63908 | 12.97497 | 25.67503 | 47.1614 | 13.49729 | 25.85271 | 39.8853 | 6.22119 | 23.58881 | 44.24132 | 10.57721 | 55.63279 |
| 9/17/2025 | 6:00:00 AM | 33.65408 | 59.41937 | 25.76529 | 21.96471 | 46.6592 | 13.00512 | 25.64488 | 47.17566 | 13.52158 | 25.82842 | 39.89603 | 6.24195 | 23.56805 | 44.23775 | 10.58367 | 55.62633 |
| 9/17/2025 | 7:00:00 AM | 33.66076 | 59.43009 | 25.76933 | 21.96067 | 46.67932 | 13.01856 | 25.63144 | 47.18992 | 13.52916 | 25.82084 | 39.91392 | 6.25316 | 23.55684 | 44.25919 | 10.59843 | 55.61157 |
| 9/17/2025 | 8:00:00 AM | 33.66411 | 59.44437 | 25.78026 | 21.94974 | 46.70615 | 13.04204 | 25.60796 | 47.21132 | 13.54721 | 25.80279 | 39.93181 | 6.2677 | 23.5423 | 44.25919 | 10.59508 | 55.61492 |
| 9/17/2025 | 9:00:00 AM | 33.6708 | 59.45151 | 25.78071 | 21.94929 | 46.71957 | 13.04877 | 25.60123 | 47.22201 | 13.55121 | 25.79879 | 39.94254 | 6.27174 | 23.53826 | 44.26277 | 10.59197 | 55.61803 |
| 9/17/2025 | 10:00:00 AM | 33.68417 | 59.46937 | 25.7852 | 21.9448 | 46.72963 | 13.04546 | 25.60454 | 47.23271 | 13.54854 | 25.80146 | 39.9497 | 6.26553 | 23.54447 | 44.26992 | 10.58575 | 55.62425 |
| 9/17/2025 | 11:00:00 AM | 33.69755 | 59.4658 | 25.76825 | 21.96175 | 46.72628 | 13.02873 | 25.62127 | 47.22914 | 13.53159 | 25.81841 | 39.9497 | 6.25215 | 23.55785 | 44.25919 | 10.56164 | 55.64836 |
| 9/17/2025 | 12:00:00 PM | 33.72764 | 59.46937 | 25.74173 | 21.98827 | 46.73298 | 13.00534 | 25.64466 | 47.23627 | 13.50863 | 25.84137 | 39.95686 | 6.22922 | 23.58078 | 44.25919 | 10.53155 | 55.67845 |
| 9/17/2025 | 1:00:00 PM | 33.76777 | 59.48365 | 25.71588 | 22.01412 | 46.73634 | 12.96857 | 25.68143 | 47.24697 | 13.4792 | 25.8708 | 39.96043 | 6.19266 | 23.61734 | 44.25205 | 10.48428 | 55.72572 |
| 9/17/2025 | 2:00:00 PM | 33.81459 | 59.4658 | 25.65121 | 22.07879 | 46.71286 | 12.89827 | 25.75173 | 47.23271 | 13.41812 | 25.93188 | 39.95328 | 6.13869 | 23.67131 | 44.25205 | 10.43746 | 55.77254 |
| 9/17/2025 | 3:00:00 PM | 33.78784 | 59.46223 | 25.67439 | 22.05561 | 46.69609 | 12.90825 | 25.74175 | 47.23271 | 13.44487 | 25.90513 | 39.95686 | 6.16902 | 23.64098 | 44.25205 | 10.46421 | 55.74579 |
| 9/17/2025 | 4:00:00 PM | 33.7778 | 59.45865 | 25.68085 | 22.04915 | 46.68268 | 12.90488 | 25.74512 | 47.22558 | 13.44778 | 25.90222 | 39.97117 | 6.19337 | 23.61663 | 44.25205 | 10.47425 | 55.73575 |
| 9/17/2025 | 5:00:00 PM | 33.76443 | 59.45865 | 25.69422 | 22.03578 | 46.66591 | 12.90148 | 25.74852 | 47.22558 | 13.46115 | 25.88885 | 39.96401 | 6.19958 | 23.61042 | 44.25205 | 10.48762 | 55.72238 |
| 9/17/2025 | 6:00:00 PM | 33.75105 | 59.45865 | 25.7076 | 22.0224 | 46.65249 | 12.90144 | 25.74856 | 47.22201 | 13.47096 | 25.87904 | 39.96401 | 6.21296 | 23.59704 | 44.24847 | 10.49742 | 55.71258 |
| 9/17/2025 | 7:00:00 PM | 33.74436 | 59.45865 | 25.71429 | 22.01571 | 46.64243 | 12.89807 | 25.75193 | 47.22201 | 13.47765 | 25.87235 | 39.96759 | 6.22323 | 23.58677 | 44.25562 | 10.51126 | 55.69874 |
| 9/17/2025 | 8:00:00 PM | 33.74102 | 59.4658 | 25.72478 | 22.00522 | 46.64578 | 12.90476 | 25.74524 | 47.22201 | 13.48099 | 25.86901 | 39.97474 | 6.23372 | 23.57628 | 44.26277 | 10.52175 | 55.68825 |
| 9/17/2025 | 9:00:00 PM | 33.7243 | 59.4658 | 25.7415 | 21.9885 | 46.65249 | 12.92819 | 25.72181 | 47.23271 | 13.50841 | 25.84159 | 39.9819 | 6.2576 | 23.5524 | 44.27349 | 10.54919 | 55.66081 |
| 9/17/2025 | 10:00:00 PM | 33.71092 | 59.48008 | 25.76916 | 21.96084 | 46.66255 | 12.95163 | 25.69837 | 47.23627 | 13.52535 | 25.82465 | 39.9819 | 6.27098 | 23.53902 | 44.27706 | 10.56614 | 55.64386 |
| 9/17/2025 | 11:00:00 PM | 33.70758 | 59.47294 | 25.76536 | 21.96464 | 46.66926 | 12.96168 | 25.68832 | 47.23271 | 13.52513 | 25.82487 | 39.97832 | 6.27074 | 23.53926 | 44.26992 | 10.56234 | 55.64766 |
| 9/18/2025 | 12:00:00 AM | 33.68417 | 59.4658 | 25.78163 | 21.94837 | 46.66255 | 12.97838 | 25.67162 | 47.21488 | 13.53071 | 25.81929 | 39.97474 | 6.29057 | 23.51943 | 44.25205 | 10.56788 | 55.64212 |
| 9/18/2025 | 1:00:00 AM | 33.68083 | 59.4658 | 25.78497 | 21.94503 | 46.67261 | 12.99178 | 25.65822 | 47.21132 | 13.53049 | 25.81951 | 39.97474 | 6.29391 | 23.51609 | 44.25562 | 10.57479 | 55.63521 |
| 9/18/2025 | 2:00:00 AM | 33.67414 | 59.4658 | 25.79166 | 21.93834 | 46.67261 | 12.99847 | 25.65153 | 47.21488 | 13.54074 | 25.80926 | 39.97832 | 6.30418 | 23.50582 | 44.26277 | 10.58863 | 55.62137 |
| 9/18/2025 | 3:00:00 AM | 33.66076 | 59.4658 | 25.80504 | 21.92496 | 46.67261 | 13.01185 | 25.63815 | 47.20062 | 13.53986 | 25.81014 | 39.97117 | 6.31041 | 23.49959 | 44.24847 | 10.58771 | 55.62229 |
| 9/18/2025 | 4:00:00 AM | 33.65408 | 59.4658 | 25.81172 | 21.91828 | 46.68268 | 13.0286 | 25.6214 | 47.20775 | 13.55367 | 25.79633 | 39.96759 | 6.31351 | 23.49649 | 44.26634 | 10.61226 | 55.59774 |
| 9/18/2025 | 5:00:00 AM | 33.65408 | 59.47651 | 25.82243 | 21.90757 | 46.69945 | 13.04537 | 25.60463 | 47.21845 | 13.56437 | 25.78563 | 39.9819 | 6.32782 | 23.48218 | 44.27349 | 10.61941 | 55.59059 |
| 9/18/2025 | 6:00:00 AM | 33.64404 | 59.48008 | 25.83604 | 21.89396 | 46.7028 | 13.05876 | 25.59124 | 47.20775 | 13.56371 | 25.78629 | 39.97832 | 6.33428 | 23.47572 | 44.26277 | 10.61873 | 55.59127 |
| 9/18/2025 | 7:00:00 AM | 33.64404 | 59.48365 | 25.83961 | 21.89039 | 46.71957 | 13.07553 | 25.57447 | 47.21845 | 13.57441 | 25.77559 | 39.9819 | 6.33786 | 23.47214 | 44.27349 | 10.62945 | 55.58055 |
| 9/18/2025 | 8:00:00 AM | 33.65073 | 59.49079 | 25.84006 | 21.88994 | 46.72292 | 13.07219 | 25.57781 | 47.22201 | 13.57128 | 25.77872 | 39.97832 | 6.32759 | 23.48241 | 44.28064 | 10.62991 | 55.58009 |
| 9/18/2025 | 9:00:00 AM | 33.65742 | 59.48365 | 25.82623 | 21.90377 | 46.72628 | 13.06886 | 25.58114 | 47.22201 | 13.56459 | 25.78541 | 39.97832 | 6.3209 | 23.4891 | 44.27349 | 10.61607 | 55.59393 |
| 9/18/2025 | 10:00:00 AM | 33.66745 | 59.48008 | 25.81263 | 21.91737 | 46.72292 | 13.05547 | 25.59453 | 47.22558 | 13.55813 | 25.79187 | 39.97832 | 6.31087 | 23.49913 | 44.26992 | 10.60247 | 55.60753 |
| 9/18/2025 | 11:00:00 AM | 33.67748 | 59.47294 | 25.79546 | 21.93454 | 46.71957 | 13.04209 | 25.60791 | 47.21132 | 13.53384 | 25.81616 | 39.97117 | 6.29369 | 23.51631 | 44.25562 | 10.57814 | 55.63186 |
| 9/18/2025 | 12:00:00 PM | 33.68417 | 59.47294 | 25.78877 | 21.94123 | 46.71957 | 13.0354 | 25.6146 | 47.21132 | 13.52715 | 25.82285 | 39.97117 | 6.287 | 23.523 | 44.25919 | 10.57502 | 55.63498 |
| 9/18/2025 | 1:00:00 PM | 33.69086 | 59.46937 | 25.77851 | 21.95149 | 46.71286 | 13.022 | 25.628 | 47.20775 | 13.51689 | 25.83311 | 39.96043 | 6.26957 | 23.54043 | 44.25205 | 10.56119 | 55.64881 |
| 9/18/2025 | 2:00:00 PM | 33.69755 | 59.44437 | 25.74682 | 21.98318 | 46.69945 | 13.0019 | 25.6481 | 47.20062 | 13.50307 | 25.84693 | 39.95328 | 6.25573 | 23.55427 | 44.24132 | 10.54377 | 55.66623 |
| 9/18/2025 | 3:00:00 PM | 33.6942 | 59.42652 | 25.73232 | 21.99768 | 46.6592 | 12.965 | 25.685 | 47.1614 | 13.4672 | 25.8828 | 39.92466 | 6.23046 | 23.57954 | 44.22703 | 10.53283 | 55.67717 |
| 9/18/2025 | 4:00:00 PM | 33.67748 | 59.40866 | 25.73118 | 21.99882 | 46.62901 | 12.95153 | 25.69847 | 47.14001 | 13.46253 | 25.88747 | 39.9175 | 6.24002 | 23.56998 | 44.20559 | 10.52811 | 55.68189 |
| 9/18/2025 | 5:00:00 PM | 33.66411 | 59.40866 | 25.74455 | 21.98545 | 46.61895 | 12.95484 | 25.69516 | 47.13644 | 13.47233 | 25.87767 | 39.92108 | 6.25697 | 23.55303 | 44.21988 | 10.55577 | 55.65423 |
| 9/18/2025 | 6:00:00 PM | 33.65742 | 59.38009 | 25.72267 | 22.00733 | 46.58877 | 12.93135 | 25.71865 | 47.12218 | 13.46476 | 25.88524 | 39.90319 | 6.24577 | 23.56423 | 44.21988 | 10.56246 | 55.64754 |
| 9/18/2025 | 7:00:00 PM | 33.6407 | 59.40152 | 25.76082 | 21.96918 | 46.57535 | 12.93465 | 25.71535 | 47.13288 | 13.49218 | 25.85782 | 39.90319 | 6.26249 | 23.54751 | 44.21988 | 10.57918 | 55.63082 |
| 9/18/2025 | 8:00:00 PM | 33.63736 | 59.39795 | 25.76059 | 21.96941 | 46.57871 | 12.94135 | 25.70865 | 47.14001 | 13.50265 | 25.84735 | 39.90677 | 6.26941 | 23.54059 | 44.23418 | 10.59682 | 55.61318 |
| 9/18/2025 | 9:00:00 PM | 33.63067 | 59.39438 | 25.76371 | 21.96629 | 46.57871 | 12.94804 | 25.70196 | 47.13644 | 13.50577 | 25.84423 | 39.90319 | 6.27252 | 23.53748 | 44.23775 | 10.60708 | 55.60292 |
| 9/18/2025 | 10:00:00 PM | 33.62398 | 59.40152 | 25.77754 | 21.95246 | 46.58541 | 12.96143 | 25.68857 | 47.13288 | 13.5089 | 25.8411 | 39.89961 | 6.27563 | 23.53437 | 44.23418 | 10.6102 | 55.5998 |
| 9/18/2025 | 11:00:00 PM | 33.60726 | 59.38724 | 25.77998 | 21.95002 | 46.57871 | 12.97145 | 25.67855 | 47.12931 | 13.52205 | 25.82795 | 39.89246 | 6.2852 | 23.5248 | 44.22345 | 10.61619 | 55.59381 |
| 9/19/2025 | 12:00:00 AM | 33.59388 | 59.39438 | 25.8005 | 21.9295 | 46.58206 | 12.98818 | 25.66182 | 47.11505 | 13.52117 | 25.82883 | 39.89246 | 6.29858 | 23.51142 | 44.21273 | 10.61885 | 55.59115 |
| 9/19/2025 | 1:00:00 AM | 33.59054 | 59.38724 | 25.7967 | 21.9333 | 46.57871 | 12.98817 | 25.66183 | 47.10792 | 13.51738 | 25.83262 | 39.87814 | 6.2876 | 23.5224 | 44.21988 | 10.62934 | 55.58066 |
| 9/19/2025 | 2:00:00 AM | 33.58385 | 59.38367 | 25.79982 | 21.93018 | 46.58206 | 12.99821 | 25.65179 | 47.10436 | 13.52051 | 25.82949 | 39.87457 | 6.29072 | 23.51928 | 44.21631 | 10.63246 | 55.57754 |
| 9/19/2025 | 3:00:00 AM | 33.58051 | 59.38009 | 25.79958 | 21.93042 | 46.58206 | 13.00155 | 25.64845 | 47.10436 | 13.52385 | 25.82615 | 39.87814 | 6.29763 | 23.51237 | 44.20916 | 10.62865 | 55.58135 |
| 9/19/2025 | 4:00:00 AM | 33.57048 | 59.38367 | 25.81319 | 21.91681 | 46.58877 | 13.01829 | 25.63171 | 47.10436 | 13.53388 | 25.81612 | 39.87457 | 6.30409 | 23.50591 | 44.20916 | 10.63868 | 55.57132 |
| 9/19/2025 | 5:00:00 AM | 33.57382 | 59.38367 | 25.80985 | 21.92015 | 46.60889 | 13.03507 | 25.61493 | 47.12575 | 13.55193 | 25.79807 | 39.87457 | 6.30075 | 23.50925 | 44.2306 | 10.65678 | 55.55322 |
| 9/19/2025 | 6:00:00 AM | 33.57048 | 59.39438 | 25.8239 | 21.9061 | 46.61224 | 13.04176 | 25.60824 | 47.11862 | 13.54814 | 25.80186 | 39.87814 | 6.30766 | 23.50234 | 44.21988 | 10.6494 | 55.5606 |
| 9/19/2025 | 7:00:00 AM | 33.57048 | 59.39438 | 25.8239 | 21.9061 | 46.62231 | 13.05183 | 25.59817 | 47.12218 | 13.5517 | 25.7983 | 39.87457 | 6.30409 | 23.50591 | 44.21988 | 10.6494 | 55.5606 |
| 9/19/2025 | 8:00:00 AM | 33.56713 | 59.39795 | 25.83082 | 21.89918 | 46.62901 | 13.06188 | 25.58812 | 47.12575 | 13.55862 | 25.79138 | 39.87814 | 6.31101 | 23.49899 | 44.22345 | 10.65632 | 55.55368 |
| 9/19/2025 | 9:00:00 AM | 33.57048 | 59.39081 | 25.82033 | 21.90967 | 46.62901 | 13.05853 | 25.59147 | 47.11862 | 13.54814 | 25.80186 | 39.87099 | 6.30051 | 23.50949 | 44.21273 | 10.64225 | 55.56775 |
| 9/19/2025 | 10:00:00 AM | 33.54038 | 59.38009 | 25.83971 | 21.89029 | 46.62231 | 13.08193 | 25.56807 | 47.11149 | 13.57111 | 25.77889 | 39.86741 | 6.32703 | 23.48297 | 44.19844 | 10.65806 | 55.55194 |
| 9/19/2025 | 11:00:00 AM | 33.54707 | 59.36938 | 25.82231 | 21.90769 | 46.60889 | 13.06182 | 25.58818 | 47.0901 | 13.54303 | 25.80697 | 39.85668 | 6.30961 | 23.50039 | 44.19129 | 10.64422 | 55.56578 |
| 9/19/2025 | 12:00:00 PM | 33.57382 | 59.35867 | 25.78485 | 21.94515 | 46.59548 | 13.02166 | 25.62834 | 47.08297 | 13.50915 | 25.84085 | 39.84952 | 6.2757 | 23.5343 | 44.16627 | 10.59245 | 55.61755 |
| 9/19/2025 | 1:00:00 PM | 33.60057 | 59.34082 | 25.74025 | 21.98975 | 46.58206 | 12.98149 | 25.66851 | 47.07227 | 13.4717 | 25.8783 | 39.83879 | 6.23822 | 23.57178 | 44.1627 | 10.56213 | 55.64787 |
| 9/19/2025 | 2:00:00 PM | 33.64739 | 59.31582 | 25.66843 | 22.06157 | 46.55523 | 12.90784 | 25.74216 | 47.04731 | 13.39992 | 25.95008 | 39.8209 | 6.17351 | 23.63649 | 44.14126 | 10.49387 | 55.71613 |
| 9/19/2025 | 3:00:00 PM | 33.63067 | 59.31582 | 25.68515 | 22.04485 | 46.52169 | 12.89102 | 25.75898 | 47.03662 | 13.40595 | 25.94405 | 39.81017 | 6.1795 | 23.6305 | 44.14126 | 10.51059 | 55.69941 |
| 9/19/2025 | 4:00:00 PM | 33.61729 | 59.30511 | 25.68782 | 22.04218 | 46.50827 | 12.89098 | 25.75902 | 47.03305 | 13.41576 | 25.93424 | 39.79943 | 6.18214 | 23.62786 | 44.14126 | 10.52397 | 55.68603 |
| 9/19/2025 | 5:00:00 PM | 33.61395 | 59.30868 | 25.69473 | 22.03527 | 46.48815 | 12.8742 | 25.7758 | 47.02236 | 13.40841 | 25.94159 | 39.79585 | 6.1819 | 23.6281 | 44.1484 | 10.53445 | 55.67555 |
| 9/19/2025 | 6:00:00 PM | 33.60392 | 59.28725 | 25.68333 | 22.04667 | 46.46803 | 12.86411 | 25.78589 | 47.02236 | 13.41844 | 25.93156 | 39.79228 | 6.18836 | 23.62164 | 44.15555 | 10.55163 | 55.65837 |
| 9/19/2025 | 7:00:00 PM | 33.59388 | 59.28368 | 25.6898 | 22.0402 | 46.45797 | 12.86409 | 25.78591 | 47.02592 | 13.43204 | 25.91796 | 39.78154 | 6.18766 | 23.62234 | 44.15555 | 10.56167 | 55.64833 |
| 9/19/2025 | 8:00:00 PM | 33.58051 | 59.29439 | 25.71388 | 22.01612 | 46.4479 | 12.86739 | 25.78261 | 47.02236 | 13.44185 | 25.90815 | 39.78154 | 6.20103 | 23.60897 | 44.15555 | 10.57504 | 55.63496 |
| 9/19/2025 | 9:00:00 PM | 33.57716 | 59.29796 | 25.7208 | 22.0092 | 46.46132 | 12.88416 | 25.76584 | 47.03662 | 13.45946 | 25.89054 | 39.7887 | 6.21154 | 23.59846 | 44.16985 | 10.59269 | 55.61731 |
| 9/19/2025 | 10:00:00 PM | 33.57048 | 59.29796 | 25.72748 | 22.00252 | 46.47138 | 12.9009 | 25.7491 | 47.03305 | 13.46257 | 25.88743 | 39.79585 | 6.22537 | 23.58463 | 44.16985 | 10.59937 | 55.61063 |
| 9/19/2025 | 11:00:00 PM | 33.56379 | 59.31225 | 25.74846 | 21.98154 | 46.4848 | 12.92101 | 25.72899 | 47.04731 | 13.48352 | 25.86648 | 39.79228 | 6.22849 | 23.58151 | 44.16627 | 10.60248 | 55.60752 |
| 9/20/2025 | 12:00:00 AM | 33.56379 | 59.31939 | 25.7556 | 21.9744 | 46.49821 | 12.93442 | 25.71558 | 47.04731 | 13.48352 | 25.86648 | 39.79585 | 6.23206 | 23.57794 | 44.17699 | 10.6132 | 55.5968 |
| 9/20/2025 | 1:00:00 AM | 33.5571 | 59.31939 | 25.76229 | 21.96771 | 46.50827 | 12.95117 | 25.69883 | 47.04731 | 13.49021 | 25.85979 | 39.79943 | 6.24233 | 23.56767 | 44.16627 | 10.60917 | 55.60083 |
| 9/20/2025 | 2:00:00 AM | 33.5571 | 59.32296 | 25.76586 | 21.96414 | 46.51498 | 12.95788 | 25.69212 | 47.05444 | 13.49734 | 25.85266 | 39.79943 | 6.24233 | 23.56767 | 44.16985 | 10.61275 | 55.59725 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/20/2025 | 3:00:00 AM | 33.55041 | 59.33367 | 25.78326 | 21.94674 | 46.5284 | 12.97799 | 25.67201 | 47.05444 | 13.50403 | 25.84597 | 39.80301 | 6.2526 | 23.5574 | 44.16627 | 10.61586 | 55.59414 |
| 9/20/2025 | 4:00:00 AM | 33.55376 | 59.33367 | 25.77991 | 21.95009 | 46.54181 | 12.98805 | 25.66195 | 47.06157 | 13.50781 | 25.84219 | 39.81017 | 6.25641 | 23.55359 | 44.16985 | 10.61609 | 55.59391 |
| 9/20/2025 | 5:00:00 AM | 33.54707 | 59.3301 | 25.78303 | 21.94697 | 46.54181 | 12.99474 | 25.65526 | 47.05801 | 13.51094 | 25.83906 | 39.80659 | 6.25952 | 23.55048 | 44.16627 | 10.6192 | 55.5908 |
| 9/20/2025 | 6:00:00 AM | 33.53369 | 59.32296 | 25.78927 | 21.94073 | 46.54852 | 13.01483 | 25.63517 | 47.05444 | 13.52075 | 25.82925 | 39.80659 | 6.2729 | 23.5371 | 44.15912 | 10.62543 | 55.58457 |
| 9/20/2025 | 7:00:00 AM | 33.54038 | 59.3301 | 25.78972 | 21.94028 | 46.56194 | 13.02156 | 25.62844 | 47.06514 | 13.52476 | 25.82524 | 39.81017 | 6.26979 | 23.54021 | 44.16985 | 10.62947 | 55.58053 |
| 9/20/2025 | 8:00:00 AM | 33.53704 | 59.34439 | 25.80735 | 21.92265 | 46.572 | 13.03496 | 25.61504 | 47.0687 | 13.53166 | 25.81834 | 39.81374 | 6.2767 | 23.5333 | 44.16627 | 10.62923 | 55.58077 |
| 9/20/2025 | 9:00:00 AM | 33.53704 | 59.34439 | 25.80735 | 21.92265 | 46.57535 | 13.03831 | 25.61169 | 47.07227 | 13.53523 | 25.81477 | 39.81374 | 6.2767 | 23.5333 | 44.15912 | 10.62208 | 55.58792 |
| 9/20/2025 | 10:00:00 AM | 33.55376 | 59.34082 | 25.78706 | 21.94294 | 46.57871 | 13.02495 | 25.62505 | 47.07227 | 13.51851 | 25.83149 | 39.81374 | 6.25998 | 23.55002 | 44.15912 | 10.60536 | 55.60464 |
| 9/20/2025 | 11:00:00 AM | 33.56713 | 59.32653 | 25.7594 | 21.9706 | 46.56864 | 13.00151 | 25.64849 | 47.06157 | 13.49444 | 25.85556 | 39.80659 | 6.23946 | 23.57054 | 44.14483 | 10.5777 | 55.6323 |
| 9/20/2025 | 12:00:00 PM | 33.59388 | 59.33367 | 25.73979 | 21.99021 | 46.572 | 12.97812 | 25.67188 | 47.06514 | 13.47126 | 25.87874 | 39.80659 | 6.21271 | 23.59729 | 44.14126 | 10.54738 | 55.66262 |
| 9/20/2025 | 1:00:00 PM | 33.62732 | 59.32653 | 25.69921 | 22.03079 | 46.56529 | 12.93797 | 25.71203 | 47.05801 | 13.43069 | 25.91931 | 39.79943 | 6.17211 | 23.63789 | 44.13768 | 10.51036 | 55.69964 |
| 9/20/2025 | 2:00:00 PM | 33.67414 | 59.31225 | 25.63811 | 22.09189 | 46.54181 | 12.86767 | 25.78233 | 47.04375 | 13.36961 | 25.98039 | 39.79585 | 6.12171 | 23.68829 | 44.12696 | 10.45282 | 55.75718 |
| 9/20/2025 | 3:00:00 PM | 33.65073 | 59.29796 | 25.64723 | 22.08277 | 46.50827 | 12.85754 | 25.79246 | 47.03305 | 13.38232 | 25.96768 | 39.77439 | 6.12366 | 23.68634 | 44.11266 | 10.46193 | 55.74807 |
| 9/20/2025 | 4:00:00 PM | 33.62732 | 59.2694 | 25.64208 | 22.08792 | 46.47138 | 12.84406 | 25.80594 | 46.9974 | 13.37008 | 25.97992 | 39.76008 | 6.13276 | 23.67724 | 44.09122 | 10.4639 | 55.7461 |
| 9/20/2025 | 5:00:00 PM | 33.60726 | 59.24083 | 25.63357 | 22.09643 | 46.42107 | 12.81381 | 25.83619 | 46.97601 | 13.36875 | 25.98125 | 39.73861 | 6.13135 | 23.67865 | 44.07335 | 10.46609 | 55.74391 |
| 9/20/2025 | 6:00:00 PM | 33.59054 | 59.23012 | 25.63958 | 22.09042 | 46.40095 | 12.81041 | 25.83959 | 46.95818 | 13.36764 | 25.98236 | 39.73145 | 6.14091 | 23.66909 | 44.0805 | 10.48996 | 55.72004 |
| 9/20/2025 | 7:00:00 PM | 33.57716 | 59.23369 | 25.65653 | 22.07347 | 46.38418 | 12.80702 | 25.84298 | 46.94749 | 13.37033 | 25.97967 | 39.7243 | 6.14714 | 23.66286 | 44.07692 | 10.49976 | 55.71024 |
| 9/20/2025 | 8:00:00 PM | 33.56713 | 59.22298 | 25.65585 | 22.07415 | 46.38418 | 12.81705 | 25.83295 | 46.94749 | 13.38036 | 25.96964 | 39.72788 | 6.16075 | 23.64925 | 44.09122 | 10.52409 | 55.68591 |
| 9/20/2025 | 9:00:00 PM | 33.5571 | 59.2444 | 25.6873 | 22.0427 | 46.3976 | 12.8405 | 25.8095 | 46.95462 | 13.39752 | 25.95248 | 39.73145 | 6.17435 | 23.63565 | 44.10194 | 10.54484 | 55.66516 |
| 9/20/2025 | 10:00:00 PM | 33.54707 | 59.24083 | 25.69376 | 22.03624 | 46.40095 | 12.85388 | 25.79612 | 46.95818 | 13.41111 | 25.93889 | 39.72788 | 6.18081 | 23.62919 | 44.09479 | 10.54772 | 55.66228 |
| 9/20/2025 | 11:00:00 PM | 33.55041 | 59.2444 | 25.69399 | 22.03601 | 46.41101 | 12.8606 | 25.7894 | 46.95462 | 13.40421 | 25.94579 | 39.7243 | 6.17389 | 23.63611 | 44.10909 | 10.55868 | 55.65132 |
| 9/21/2025 | 12:00:00 AM | 33.54372 | 59.22655 | 25.68283 | 22.04717 | 46.40766 | 12.86394 | 25.78606 | 46.94749 | 13.40377 | 25.94623 | 39.71357 | 6.16985 | 23.64015 | 44.09479 | 10.55107 | 55.65893 |
| 9/21/2025 | 1:00:00 AM | 33.54038 | 59.24083 | 25.70045 | 22.02955 | 46.41101 | 12.87063 | 25.77937 | 46.94036 | 13.39998 | 25.95002 | 39.71714 | 6.17676 | 23.63324 | 44.08407 | 10.54369 | 55.66631 |
| 9/21/2025 | 2:00:00 AM | 33.54038 | 59.23369 | 25.69331 | 22.03669 | 46.41437 | 12.87399 | 25.77601 | 46.94749 | 13.40711 | 25.94289 | 39.70999 | 6.16961 | 23.64039 | 44.09122 | 10.55084 | 55.65916 |
| 9/21/2025 | 3:00:00 AM | 33.54038 | 59.24083 | 25.70045 | 22.02955 | 46.43449 | 12.89411 | 25.75589 | 46.95105 | 13.41067 | 25.93933 | 39.71357 | 6.17319 | 23.63681 | 44.08765 | 10.54727 | 55.66273 |
| 9/21/2025 | 4:00:00 AM | 33.53369 | 59.23726 | 25.70357 | 22.02643 | 46.43114 | 12.89745 | 25.75255 | 46.94749 | 13.4138 | 25.9362 | 39.70641 | 6.17272 | 23.63728 | 44.08407 | 10.55038 | 55.65962 |
| 9/21/2025 | 5:00:00 AM | 33.53369 | 59.23726 | 25.70357 | 22.02643 | 46.43784 | 12.90415 | 25.74585 | 46.94036 | 13.40667 | 25.94333 | 39.6921 | 6.15841 | 23.65159 | 44.07692 | 10.54323 | 55.66677 |
| 9/21/2025 | 6:00:00 AM | 33.5872 | 59.24083 | 25.65363 | 22.07637 | 46.46132 | 12.87412 | 25.77588 | 46.95818 | 13.37098 | 25.97902 | 39.6921 | 6.1049 | 23.7051 | 44.0805 | 10.4933 | 55.7167 |
| 9/21/2025 | 7:00:00 AM | 33.60726 | 59.28011 | 25.67285 | 22.05715 | 46.51498 | 12.90772 | 25.74228 | 46.97957 | 13.37231 | 25.97769 | 39.69925 | 6.09199 | 23.71801 | 44.10909 | 10.50183 | 55.70817 |
| 9/21/2025 | 8:00:00 AM | 33.63736 | 59.31225 | 25.67489 | 22.05511 | 46.58206 | 12.9447 | 25.7053 | 47.01879 | 13.38143 | 25.96857 | 39.72072 | 6.08336 | 23.72664 | 44.13053 | 10.49317 | 55.71683 |
| 9/21/2025 | 9:00:00 AM | 33.67414 | 59.3301 | 25.65596 | 22.07404 | 46.64578 | 12.97164 | 25.67836 | 47.06514 | 13.391 | 25.959 | 39.73861 | 6.06447 | 23.74553 | 44.15198 | 10.47784 | 55.73216 |
| 9/21/2025 | 10:00:00 AM | 33.70758 | 59.36224 | 25.65466 | 22.07534 | 46.71286 | 13.00528 | 25.64472 | 47.10079 | 13.39321 | 25.95679 | 39.76723 | 6.05965 | 23.75035 | 44.17699 | 10.46941 | 55.74059 |
| 9/21/2025 | 11:00:00 AM | 33.7243 | 59.38009 | 25.65579 | 22.07421 | 46.75982 | 13.03552 | 25.61448 | 47.12931 | 13.40501 | 25.94499 | 39.76723 | 6.04293 | 23.76707 | 44.17342 | 10.44912 | 55.76088 |
| 9/21/2025 | 12:00:00 PM | 33.74436 | 59.40152 | 25.65716 | 22.07284 | 46.80677 | 13.06241 | 25.58759 | 47.15427 | 13.40991 | 25.94009 | 39.7887 | 6.04434 | 23.76566 | 44.17342 | 10.42906 | 55.78094 |
| 9/21/2025 | 1:00:00 PM | 33.73099 | 59.4158 | 25.68481 | 22.04519 | 46.85037 | 13.11938 | 25.53062 | 47.18992 | 13.45893 | 25.89107 | 39.80301 | 6.07202 | 23.73798 | 44.18414 | 10.45315 | 55.75685 |
| 9/21/2025 | 2:00:00 PM | 33.76443 | 59.40866 | 25.64423 | 22.08577 | 46.86043 | 13.096 | 25.554 | 47.20062 | 13.43619 | 25.91381 | 39.80659 | 6.04216 | 23.76784 | 44.17699 | 10.41256 | 55.79744 |
| 9/21/2025 | 3:00:00 PM | 33.78784 | 59.43366 | 25.64582 | 22.08418 | 46.88056 | 13.09272 | 25.55728 | 47.22201 | 13.43417 | 25.91583 | 39.82806 | 6.04022 | 23.76978 | 44.18414 | 10.3963 | 55.8137 |
| 9/21/2025 | 4:00:00 PM | 33.77446 | 59.43009 | 25.65563 | 22.07437 | 46.88056 | 13.1061 | 25.5439 | 47.22201 | 13.44755 | 25.90245 | 39.82448 | 6.05002 | 23.75998 | 44.16627 | 10.39181 | 55.81819 |
| 9/21/2025 | 5:00:00 PM | 33.77446 | 59.43723 | 25.66277 | 22.06723 | 46.88056 | 13.1061 | 25.5439 | 47.23271 | 13.45825 | 25.89175 | 39.83879 | 6.06433 | 23.74567 | 44.16985 | 10.39539 | 55.81461 |
| 9/21/2025 | 6:00:00 PM | 33.7778 | 59.45151 | 25.67371 | 22.05629 | 46.90068 | 13.12288 | 25.52712 | 47.26123 | 13.48343 | 25.86657 | 39.86383 | 6.08603 | 23.72397 | 44.18772 | 10.40992 | 55.80008 |
| 9/21/2025 | 7:00:00 PM | 33.78115 | 59.46937 | 25.68822 | 22.04178 | 46.90068 | 13.11953 | 25.53047 | 47.27906 | 13.49791 | 25.85209 | 39.87814 | 6.09699 | 23.71301 | 44.20559 | 10.42444 | 55.78556 |
| 9/21/2025 | 8:00:00 PM | 33.77112 | 59.47651 | 25.70539 | 22.02461 | 46.91409 | 13.14297 | 25.50703 | 47.29688 | 13.52576 | 25.82424 | 39.8853 | 6.11418 | 23.69582 | 44.20916 | 10.43804 | 55.77196 |
| 9/21/2025 | 9:00:00 PM | 33.77446 | 59.49436 | 25.7199 | 22.0101 | 46.93422 | 13.15976 | 25.49024 | 47.32184 | 13.54738 | 25.80262 | 39.90677 | 6.13231 | 23.67769 | 44.22345 | 10.44899 | 55.76101 |
| 9/21/2025 | 10:00:00 PM | 33.77112 | 59.50865 | 25.73753 | 21.99247 | 46.95099 | 13.17987 | 25.47013 | 47.32897 | 13.55785 | 25.79215 | 39.92108 | 6.14996 | 23.66004 | 44.22703 | 10.45591 | 55.75409 |
| 9/21/2025 | 11:00:00 PM | 33.76777 | 59.51936 | 25.75159 | 21.97841 | 46.96105 | 13.19328 | 25.45672 | 47.35393 | 13.58616 | 25.76384 | 39.93539 | 6.16762 | 23.64238 | 44.23418 | 10.46641 | 55.74359 |
| 9/22/2025 | 12:00:00 AM | 33.77112 | 59.54078 | 25.76966 | 21.96034 | 46.97782 | 13.2067 | 25.4433 | 47.35749 | 13.58637 | 25.76363 | 39.94612 | 6.175 | 23.635 | 44.24132 | 10.4702 | 55.7398 |
| 9/22/2025 | 1:00:00 AM | 33.75774 | 59.54436 | 25.78662 | 21.94338 | 46.99459 | 13.23685 | 25.41315 | 47.37888 | 13.62114 | 25.72886 | 39.96043 | 6.20269 | 23.60731 | 44.2449 | 10.48716 | 55.72284 |
| 9/22/2025 | 2:00:00 AM | 33.76443 | 59.55864 | 25.79421 | 21.93579 | 47.008 | 13.24357 | 25.40643 | 47.38601 | 13.62158 | 25.72842 | 39.9819 | 6.21747 | 23.59253 | 44.25562 | 10.49119 | 55.71881 |
| 9/22/2025 | 3:00:00 AM | 33.76443 | 59.54793 | 25.7835 | 21.9465 | 46.99794 | 13.23351 | 25.41649 | 47.38601 | 13.62158 | 25.72842 | 39.97117 | 6.20674 | 23.60326 | 44.2449 | 10.48047 | 55.72953 |
| 9/22/2025 | 4:00:00 AM | 33.7544 | 59.56578 | 25.81138 | 21.91862 | 47.0013 | 13.2469 | 25.4031 | 47.39314 | 13.63874 | 25.71126 | 39.98548 | 6.23108 | 23.57892 | 44.24847 | 10.49407 | 55.71593 |
| 9/22/2025 | 5:00:00 AM | 33.74771 | 59.56221 | 25.8145 | 21.9155 | 47.00465 | 13.25694 | 25.39306 | 47.40027 | 13.65256 | 25.69744 | 39.99263 | 6.24492 | 23.56508 | 44.24847 | 10.50076 | 55.70924 |
| 9/22/2025 | 6:00:00 AM | 33.75105 | 59.57292 | 25.82187 | 21.90813 | 47.01136 | 13.26031 | 25.38969 | 47.40741 | 13.65636 | 25.69364 | 40.01052 | 6.25947 | 23.55053 | 44.26634 | 10.51529 | 55.69471 |
| 9/22/2025 | 7:00:00 AM | 33.7544 | 59.58363 | 25.82923 | 21.90077 | 47.02477 | 13.27037 | 25.37963 | 47.4181 | 13.6637 | 25.6863 | 40.01052 | 6.25612 | 23.55388 | 44.27349 | 10.51909 | 55.69091 |
| 9/22/2025 | 8:00:00 AM | 33.7544 | 59.59078 | 25.83638 | 21.89362 | 47.03148 | 13.27708 | 25.37292 | 47.43593 | 13.68153 | 25.66847 | 40.02483 | 6.27043 | 23.53957 | 44.28421 | 10.52981 | 55.68019 |
| 9/22/2025 | 9:00:00 AM | 33.76777 | 59.60506 | 25.83729 | 21.89271 | 47.04825 | 13.28048 | 25.36952 | 47.44662 | 13.67885 | 25.67115 | 40.03199 | 6.26422 | 23.54578 | 44.29851 | 10.53074 | 55.67926 |
| 9/22/2025 | 10:00:00 AM | 33.77446 | 59.60863 | 25.83417 | 21.89583 | 47.0449 | 13.27044 | 25.37956 | 47.44662 | 13.67216 | 25.67784 | 40.03199 | 6.25753 | 23.55247 | 44.28778 | 10.51332 | 55.69668 |
| 9/22/2025 | 11:00:00 AM | 33.78115 | 59.59792 | 25.81677 | 21.91323 | 47.03483 | 13.25368 | 25.39632 | 47.43949 | 13.65834 | 25.69166 | 40.02841 | 6.24726 | 23.56274 | 44.27349 | 10.49234 | 55.71766 |
| 9/22/2025 | 12:00:00 PM | 33.80456 | 59.59078 | 25.78622 | 21.94378 | 47.02142 | 13.21686 | 25.43314 | 47.4288 | 13.62424 | 25.72576 | 40.02841 | 6.22385 | 23.58615 | 44.27349 | 10.46893 | 55.74107 |
| 9/22/2025 | 1:00:00 PM | 33.83131 | 59.57292 | 25.74161 | 21.98839 | 47.00465 | 13.17334 | 25.47666 | 47.42167 | 13.59036 | 25.75964 | 40.02483 | 6.19352 | 23.61648 | 44.25919 | 10.42788 | 55.78212 |
| 9/22/2025 | 2:00:00 PM | 33.88816 | 59.55507 | 25.66691 | 22.06309 | 46.96776 | 13.0796 | 25.5704 | 47.39314 | 13.50498 | 25.84502 | 40.01052 | 6.12236 | 23.68764 | 44.2449 | 10.35674 | 55.85326 |
| 9/22/2025 | 3:00:00 PM | 33.84803 | 59.53364 | 25.68561 | 22.04439 | 46.93422 | 13.08619 | 25.56381 | 47.36462 | 13.51659 | 25.83341 | 39.98548 | 6.13745 | 23.67255 | 44.2306 | 10.38257 | 55.82743 |
| 9/22/2025 | 4:00:00 PM | 33.84134 | 59.53007 | 25.68873 | 22.04127 | 46.91745 | 13.07611 | 25.57389 | 47.36106 | 13.51972 | 25.83028 | 39.98906 | 6.14772 | 23.66228 | 44.23418 | 10.39284 | 55.81716 |
| 9/22/2025 | 5:00:00 PM | 33.79787 | 59.51579 | 25.71792 | 22.01208 | 46.89397 | 13.0961 | 25.5539 | 47.35036 | 13.55249 | 25.79751 | 39.97474 | 6.17687 | 23.63313 | 44.23775 | 10.43988 | 55.77012 |
| 9/22/2025 | 6:00:00 PM | 33.77112 | 59.51222 | 25.7411 | 21.9889 | 46.86714 | 13.09602 | 25.55398 | 47.3361 | 13.56498 | 25.78502 | 39.97117 | 6.20005 | 23.60995 | 44.23418 | 10.46306 | 55.74694 |
| 9/22/2025 | 7:00:00 PM | 33.7544 | 59.50865 | 25.75425 | 21.97575 | 46.85037 | 13.09597 | 25.55403 | 47.32897 | 13.57457 | 25.77543 | 39.96401 | 6.20961 | 23.60039 | 44.2449 | 10.4905 | 55.7195 |
| 9/22/2025 | 8:00:00 PM | 33.74102 | 59.51222 | 25.7712 | 21.9588 | 46.85037 | 13.10935 | 25.54065 | 47.32184 | 13.58082 | 25.76918 | 39.96401 | 6.22299 | 23.58701 | 44.2449 | 10.50388 | 55.70612 |
| 9/22/2025 | 9:00:00 PM | 33.73768 | 59.51222 | 25.77454 | 21.95546 | 46.85372 | 13.11604 | 25.53396 | 47.3361 | 13.59842 | 25.75158 | 39.96759 | 6.22991 | 23.58009 | 44.25919 | 10.52151 | 55.68849 |
| 9/22/2025 | 10:00:00 PM | 33.73768 | 59.5265 | 25.78882 | 21.94118 | 46.87049 | 13.13281 | 25.51719 | 47.33967 | 13.60199 | 25.74801 | 39.97117 | 6.23349 | 23.57651 | 44.26992 | 10.53224 | 55.67776 |
| 9/22/2025 | 11:00:00 PM | 33.72764 | 59.51936 | 25.79172 | 21.93828 | 46.87049 | 13.14285 | 25.50715 | 47.3468 | 13.61916 | 25.73084 | 39.97117 | 6.24353 | 23.56647 | 44.26992 | 10.54228 | 55.66772 |
| 9/23/2025 | 12:00:00 AM | 33.72096 | 59.5265 | 25.80554 | 21.92446 | 46.87385 | 13.15289 | 25.49711 | 47.35036 | 13.6294 | 25.7206 | 39.96401 | 6.24305 | 23.56695 | 44.26634 | 10.54538 | 55.66462 |
| 9/23/2025 | 1:00:00 AM | 33.71092 | 59.50865 | 25.79773 | 21.93227 | 46.87049 | 13.15957 | 25.49043 | 47.3361 | 13.62518 | 25.72482 | 39.96401 | 6.25309 | 23.55691 | 44.26634 | 10.55542 | 55.65458 |
| 9/23/2025 | 2:00:00 AM | 33.70424 | 59.51936 | 25.81512 | 21.91488 | 46.8772 | 13.17296 | 25.47704 | 47.32897 | 13.62473 | 25.72527 | 39.96401 | 6.25977 | 23.55023 | 44.25919 | 10.55495 | 55.65505 |
| 9/23/2025 | 3:00:00 AM | 33.70089 | 59.51936 | 25.81847 | 21.91153 | 46.87385 | 13.17296 | 25.47704 | 47.32897 | 13.62808 | 25.72192 | 39.95328 | 6.25239 | 23.55761 | 44.25562 | 10.55473 | 55.65527 |
| 9/23/2025 | 4:00:00 AM | 33.70089 | 59.51579 | 25.8149 | 21.9151 | 46.88391 | 13.18302 | 25.46698 | 47.34323 | 13.64234 | 25.70766 | 39.96401 | 6.26312 | 23.54688 | 44.25919 | 10.5583 | 55.6517 |
| 9/23/2025 | 5:00:00 AM | 33.69086 | 59.49793 | 25.80707 | 21.92293 | 46.86714 | 13.17628 | 25.47372 | 47.31827 | 13.62741 | 25.72259 | 39.93897 | 6.24811 | 23.56189 | 44.24847 | 10.55761 | 55.65239 |
| 9/23/2025 | 6:00:00 AM | 33.68752 | 59.5015 | 25.81398 | 21.91602 | 46.86714 | 13.17962 | 25.47038 | 47.31114 | 13.62362 | 25.72638 | 39.94254 | 6.25502 | 23.55498 | 44.2449 | 10.55738 | 55.65262 |
| 9/23/2025 | 7:00:00 AM | 33.6942 | 59.51936 | 25.82516 | 21.90484 | 46.88391 | 13.18971 | 25.46029 | 47.3361 | 13.6419 | 25.7081 | 39.96043 | 6.26623 | 23.54377 | 44.26634 | 10.57214 | 55.63786 |
| 9/23/2025 | 8:00:00 AM | 33.68417 | 59.51579 | 25.83162 | 21.89838 | 46.88726 | 13.20309 | 25.44691 | 47.33253 | 13.64836 | 25.70164 | 39.95686 | 6.27269 | 23.53731 | 44.26277 | 10.5786 | 55.6314 |
| 9/23/2025 | 9:00:00 AM | 33.6942 | 59.51222 | 25.81802 | 21.91198 | 46.88056 | 13.18636 | 25.46364 | 47.33253 | 13.63833 | 25.71167 | 39.94612 | 6.25192 | 23.55808 | 44.25562 | 10.56142 | 55.64858 |
| 9/23/2025 | 10:00:00 AM | 33.69755 | 59.5015 | 25.80395 | 21.92605 | 46.87385 | 13.1763 | 25.4737 | 47.3254 | 13.62785 | 25.72215 | 39.93897 | 6.24142 | 23.56858 | 44.2449 | 10.54735 | 55.66265 |
| 9/23/2025 | 11:00:00 AM | 33.70089 | 59.49079 | 25.7899 | 21.9401 | 46.86043 | 13.15954 | 25.49046 | 47.31471 | 13.61382 | 25.73618 | 39.93539 | 6.2345 | 23.5755 | 44.2449 | 10.54401 | 55.66599 |
| 9/23/2025 | 12:00:00 PM | 33.72764 | 59.48722 | 25.75958 | 21.97042 | 46.85372 | 13.12608 | 25.52392 | 47.30401 | 13.57637 | 25.77363 | 39.92823 | 6.20059 | 23.60941 | 44.22703 | 10.49939 | 55.71061 |
| 9/23/2025 | 1:00:00 PM | 33.74102 | 59.47651 | 25.73549 | 21.99451 | 46.84702 | 13.106 | 25.544 | 47.29332 | 13.5523 | 25.7977 | 39.92108 | 6.18006 | 23.62994 | 44.21988 | 10.47886 | 55.73114 |
| 9/23/2025 | 2:00:00 PM | 33.7778 | 59.46223 | 25.68443 | 22.04557 | 46.81683 | 13.03903 | 25.61097 | 47.28619 | 13.50839 | 25.84161 | 39.90677 | 6.12897 | 23.68103 | 44.21631 | 10.43851 | 55.77149 |
| 9/23/2025 | 3:00:00 PM | 33.77446 | 59.45151 | 25.67705 | 22.05295 | 46.80006 | 13.0256 | 25.6244 | 47.27193 | 13.49747 | 25.85253 | 39.89961 | 6.12515 | 23.68485 | 44.20559 | 10.43113 | 55.77887 |
| 9/23/2025 | 4:00:00 PM | 33.76443 | 59.43723 | 25.6728 | 22.0572 | 46.76317 | 12.99874 | 25.65126 | 47.2541 | 13.48967 | 25.86033 | 39.88172 | 6.11729 | 23.69271 | 44.20201 | 10.43758 | 55.77242 |
| 9/23/2025 | 5:00:00 PM | 33.7544 | 59.42295 | 25.66855 | 22.06145 | 46.7464 | 12.992 | 25.658 | 47.2434 | 13.489 | 25.861 | 39.87457 | 6.12017 | 23.68983 | 44.19844 | 10.44404 | 55.76596 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/23/2025 | 6:00:00 PM | 33.7544 | 59.43009 | 25.67569 | 22.05431 | 46.73969 | 12.98529 | 25.66471 | 47.2434 | 13.489 | 25.861 | 39.87099 | 6.11659 | 23.69341 | 44.20559 | 10.45119 | 55.75881 |
| 9/23/2025 | 7:00:00 PM | 33.74102 | 59.42295 | 25.68193 | 22.04807 | 46.72963 | 12.98861 | 25.66139 | 47.24697 | 13.50595 | 25.84405 | 39.87457 | 6.13355 | 23.67645 | 44.20916 | 10.46814 | 55.74186 |
| 9/23/2025 | 8:00:00 PM | 33.73433 | 59.43366 | 25.69933 | 22.03067 | 46.73634 | 13.00201 | 25.64799 | 47.24697 | 13.51264 | 25.83736 | 39.87457 | 6.14024 | 23.66976 | 44.21273 | 10.4784 | 55.7316 |
| 9/23/2025 | 9:00:00 PM | 33.7243 | 59.43366 | 25.70936 | 22.02064 | 46.74975 | 13.02545 | 25.62455 | 47.25766 | 13.53336 | 25.81664 | 39.88172 | 6.15742 | 23.65258 | 44.22345 | 10.49915 | 55.71085 |
| 9/23/2025 | 10:00:00 PM | 33.71427 | 59.43366 | 25.71939 | 22.01061 | 46.74305 | 13.02878 | 25.62122 | 47.26123 | 13.54696 | 25.80304 | 39.87814 | 6.16387 | 23.64613 | 44.21988 | 10.50561 | 55.70439 |
| 9/23/2025 | 11:00:00 PM | 33.71092 | 59.43366 | 25.72274 | 22.00726 | 46.75311 | 13.04219 | 25.60781 | 47.2541 | 13.54318 | 25.80682 | 39.8853 | 6.17438 | 23.63562 | 44.22345 | 10.51253 | 55.69747 |
| 9/24/2025 | 12:00:00 AM | 33.71092 | 59.43723 | 25.72631 | 22.00369 | 46.75982 | 13.0489 | 25.6011 | 47.26123 | 13.55031 | 25.79969 | 39.88888 | 6.17796 | 23.63204 | 44.22345 | 10.51253 | 55.69747 |
| 9/24/2025 | 1:00:00 AM | 33.71761 | 59.45865 | 25.74104 | 21.98896 | 46.77659 | 13.05898 | 25.59102 | 47.27549 | 13.55788 | 25.79212 | 39.8853 | 6.16769 | 23.64231 | 44.2306 | 10.51299 | 55.69701 |
| 9/24/2025 | 2:00:00 AM | 33.71092 | 59.46937 | 25.75845 | 21.97155 | 46.78665 | 13.07573 | 25.57427 | 47.28619 | 13.57527 | 25.77473 | 39.89603 | 6.18511 | 23.62489 | 44.22703 | 10.51611 | 55.69389 |
| 9/24/2025 | 3:00:00 AM | 33.71427 | 59.46937 | 25.7551 | 21.9749 | 46.81012 | 13.09585 | 25.55415 | 47.29332 | 13.57905 | 25.77095 | 39.89961 | 6.18534 | 23.62466 | 44.23775 | 10.52348 | 55.68652 |
| 9/24/2025 | 4:00:00 AM | 33.69755 | 59.4658 | 25.76825 | 21.96175 | 46.81012 | 13.11257 | 25.53743 | 47.28975 | 13.5922 | 25.7578 | 39.90319 | 6.20564 | 23.60436 | 44.2306 | 10.53305 | 55.67695 |
| 9/24/2025 | 5:00:00 AM | 33.69086 | 59.46937 | 25.77851 | 21.95149 | 46.81012 | 13.11926 | 25.53074 | 47.27906 | 13.5882 | 25.7618 | 39.89961 | 6.20875 | 23.60125 | 44.22345 | 10.53259 | 55.67741 |
| 9/24/2025 | 6:00:00 AM | 33.69086 | 59.47294 | 25.78208 | 21.94792 | 46.82354 | 13.13268 | 25.51732 | 47.28975 | 13.59889 | 25.75111 | 39.90319 | 6.21233 | 23.59767 | 44.2306 | 10.53974 | 55.67026 |
| 9/24/2025 | 7:00:00 AM | 33.68417 | 59.46937 | 25.7852 | 21.9448 | 46.82019 | 13.13602 | 25.51398 | 47.29688 | 13.61271 | 25.73729 | 39.90677 | 6.2226 | 23.5874 | 44.22703 | 10.54286 | 55.66714 |
| 9/24/2025 | 8:00:00 AM | 33.69086 | 59.48008 | 25.78922 | 21.94078 | 46.83695 | 13.14609 | 25.50391 | 47.30758 | 13.61672 | 25.73328 | 39.9175 | 6.22664 | 23.58336 | 44.23418 | 10.54332 | 55.66668 |
| 9/24/2025 | 9:00:00 AM | 33.69086 | 59.48008 | 25.78922 | 21.94078 | 46.83025 | 13.13939 | 25.51061 | 47.30401 | 13.61315 | 25.73685 | 39.90677 | 6.21591 | 23.59409 | 44.23418 | 10.54332 | 55.66668 |
| 9/24/2025 | 10:00:00 AM | 33.70424 | 59.49436 | 25.79012 | 21.93988 | 46.84702 | 13.14278 | 25.50722 | 47.31471 | 13.61047 | 25.73953 | 39.92466 | 6.22042 | 23.58958 | 44.2449 | 10.54066 | 55.66934 |
| 9/24/2025 | 11:00:00 AM | 33.71427 | 59.49079 | 25.77652 | 21.95348 | 46.85708 | 13.14281 | 25.50719 | 47.3254 | 13.61113 | 25.73887 | 39.92466 | 6.21039 | 23.59961 | 44.23775 | 10.52348 | 55.68652 |
| 9/24/2025 | 12:00:00 PM | 33.75105 | 59.48008 | 25.72903 | 22.00097 | 46.85037 | 13.09932 | 25.55068 | 47.31827 | 13.56722 | 25.78278 | 39.9175 | 6.16645 | 23.64355 | 44.23418 | 10.48313 | 55.72687 |
| 9/24/2025 | 1:00:00 PM | 33.77446 | 59.48008 | 25.70562 | 22.02438 | 46.84702 | 13.07256 | 25.57744 | 47.31114 | 13.53668 | 25.81332 | 39.91034 | 6.13588 | 23.67412 | 44.21631 | 10.44185 | 55.76815 |
| 9/24/2025 | 2:00:00 PM | 33.81124 | 59.46937 | 25.65813 | 22.07187 | 46.82689 | 13.01565 | 25.63435 | 47.28975 | 13.47851 | 25.87149 | 39.89961 | 6.08837 | 23.72163 | 44.19844 | 10.3872 | 55.8228 |
| 9/24/2025 | 3:00:00 PM | 33.79118 | 59.45151 | 25.66033 | 22.06967 | 46.79 | 12.99882 | 25.65118 | 47.27549 | 13.48431 | 25.86569 | 39.89603 | 6.10485 | 23.70515 | 44.19486 | 10.40368 | 55.80632 |
| 9/24/2025 | 4:00:00 PM | 33.78449 | 59.4408 | 25.65631 | 22.07369 | 46.77659 | 12.9921 | 25.6579 | 47.26479 | 13.4803 | 25.8697 | 39.8853 | 6.10081 | 23.70919 | 44.18772 | 10.40323 | 55.80677 |
| 9/24/2025 | 5:00:00 PM | 33.78115 | 59.4408 | 25.65965 | 22.07035 | 46.76317 | 12.98202 | 25.66798 | 47.26123 | 13.48008 | 25.86992 | 39.88888 | 6.10773 | 23.70227 | 44.19486 | 10.41371 | 55.79629 |
| 9/24/2025 | 6:00:00 PM | 33.77446 | 59.44437 | 25.66991 | 22.06009 | 46.75311 | 12.97865 | 25.67135 | 47.25766 | 13.4832 | 25.8668 | 39.88888 | 6.11442 | 23.69558 | 44.19844 | 10.42398 | 55.78602 |
| 9/24/2025 | 7:00:00 PM | 33.75774 | 59.43723 | 25.67949 | 22.05051 | 46.73969 | 12.98195 | 25.66805 | 47.2541 | 13.49636 | 25.85364 | 39.87814 | 6.1204 | 23.6896 | 44.20559 | 10.44785 | 55.76215 |
| 9/24/2025 | 8:00:00 PM | 33.74102 | 59.43723 | 25.69621 | 22.03379 | 46.73969 | 12.99867 | 25.65133 | 47.25766 | 13.51664 | 25.83336 | 39.8853 | 6.14428 | 23.66572 | 44.20916 | 10.46814 | 55.74186 |
| 9/24/2025 | 9:00:00 PM | 33.73099 | 59.43723 | 25.70624 | 22.02376 | 46.73634 | 13.00535 | 25.64465 | 47.26123 | 13.53024 | 25.81976 | 39.88888 | 6.15789 | 23.65211 | 44.21631 | 10.48532 | 55.72468 |
| 9/24/2025 | 10:00:00 PM | 33.72096 | 59.44437 | 25.72341 | 22.00659 | 46.73634 | 13.01538 | 25.63462 | 47.26123 | 13.54027 | 25.80973 | 39.88888 | 6.16792 | 23.64208 | 44.21273 | 10.49177 | 55.71823 |
| 9/24/2025 | 11:00:00 PM | 33.70758 | 59.44794 | 25.74036 | 21.98964 | 46.7464 | 13.03882 | 25.61118 | 47.26479 | 13.55721 | 25.79279 | 39.88172 | 6.17414 | 23.63586 | 44.21273 | 10.50515 | 55.70485 |
| 9/25/2025 | 12:00:00 AM | 33.70424 | 59.45151 | 25.74727 | 21.98273 | 46.75311 | 13.04887 | 25.60113 | 47.26479 | 13.56055 | 25.78945 | 39.88888 | 6.18464 | 23.62536 | 44.21631 | 10.51207 | 55.69793 |
| 9/25/2025 | 1:00:00 AM | 33.69086 | 59.4658 | 25.77494 | 21.95506 | 46.76652 | 13.07566 | 25.57434 | 47.27549 | 13.58463 | 25.76537 | 39.88888 | 6.19802 | 23.61198 | 44.21988 | 10.52902 | 55.68098 |
| 9/25/2025 | 2:00:00 AM | 33.6942 | 59.45508 | 25.76088 | 21.96912 | 46.77323 | 13.07903 | 25.57097 | 47.28262 | 13.58842 | 25.76158 | 39.89246 | 6.19826 | 23.61174 | 44.21631 | 10.52211 | 55.68789 |
| 9/25/2025 | 3:00:00 AM | 33.67748 | 59.46223 | 25.78475 | 21.94525 | 46.78665 | 13.10917 | 25.54083 | 47.27549 | 13.59801 | 25.75199 | 39.89246 | 6.21498 | 23.59502 | 44.22345 | 10.54597 | 55.66403 |
| 9/25/2025 | 4:00:00 AM | 33.68083 | 59.45865 | 25.77782 | 21.95218 | 46.79335 | 13.11252 | 25.53748 | 47.28262 | 13.60179 | 25.74821 | 39.90319 | 6.22236 | 23.58764 | 44.21631 | 10.53548 | 55.67452 |
| 9/25/2025 | 5:00:00 AM | 33.68083 | 59.4658 | 25.78497 | 21.94503 | 46.80342 | 13.12259 | 25.52741 | 47.28975 | 13.60892 | 25.74108 | 39.90319 | 6.22236 | 23.58764 | 44.2306 | 10.54977 | 55.66023 |
| 9/25/2025 | 6:00:00 AM | 33.68417 | 59.48365 | 25.79948 | 21.93052 | 46.82689 | 13.14272 | 25.50728 | 47.30758 | 13.62341 | 25.72659 | 39.91392 | 6.22975 | 23.58025 | 44.2449 | 10.56073 | 55.64927 |
| 9/25/2025 | 7:00:00 AM | 33.69755 | 59.49079 | 25.79324 | 21.93676 | 46.8336 | 13.13605 | 25.51395 | 47.32184 | 13.62429 | 25.72571 | 39.92823 | 6.23068 | 23.57932 | 44.2449 | 10.54735 | 55.66265 |
| 9/25/2025 | 8:00:00 AM | 33.6942 | 59.51579 | 25.82159 | 21.90841 | 46.85372 | 13.15952 | 25.49048 | 47.33253 | 13.63833 | 25.71167 | 39.93181 | 6.23761 | 23.57239 | 44.25919 | 10.56499 | 55.64501 |
| 9/25/2025 | 9:00:00 AM | 33.70758 | 59.51936 | 25.81178 | 21.91822 | 46.86714 | 13.15956 | 25.49044 | 47.3468 | 13.63922 | 25.71078 | 39.93539 | 6.22781 | 23.58219 | 44.26277 | 10.55519 | 55.65481 |
| 9/25/2025 | 10:00:00 AM | 33.7243 | 59.55507 | 25.83077 | 21.89923 | 46.90739 | 13.18309 | 25.46691 | 47.37175 | 13.64745 | 25.70255 | 39.96401 | 6.23971 | 23.57029 | 44.28778 | 10.56348 | 55.64652 |
| 9/25/2025 | 11:00:00 AM | 33.73768 | 59.54793 | 25.81025 | 21.91975 | 46.91074 | 13.17306 | 25.47694 | 47.38601 | | | 39.97117 | 6.23349 | 23.57651 | | | |

**APPENDIX D**

**SLIDE2 OUTPUT**




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Hu Type | Hu | Ru Value |
|---|---|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/ Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | Water Table | Custom | 1 | |
| Hard SILT | | 110 | Mohr-Coulomb | 1500 | 32 | None | | | 0 |
| D-VD SAND | | 120 | Mohr-Coulomb | 0 | 38 | Water Table | Custom | 1 | |
| New Structural Fill | | 125 | Mohr-Coulomb | 100 | 34 | None | | | 0 |

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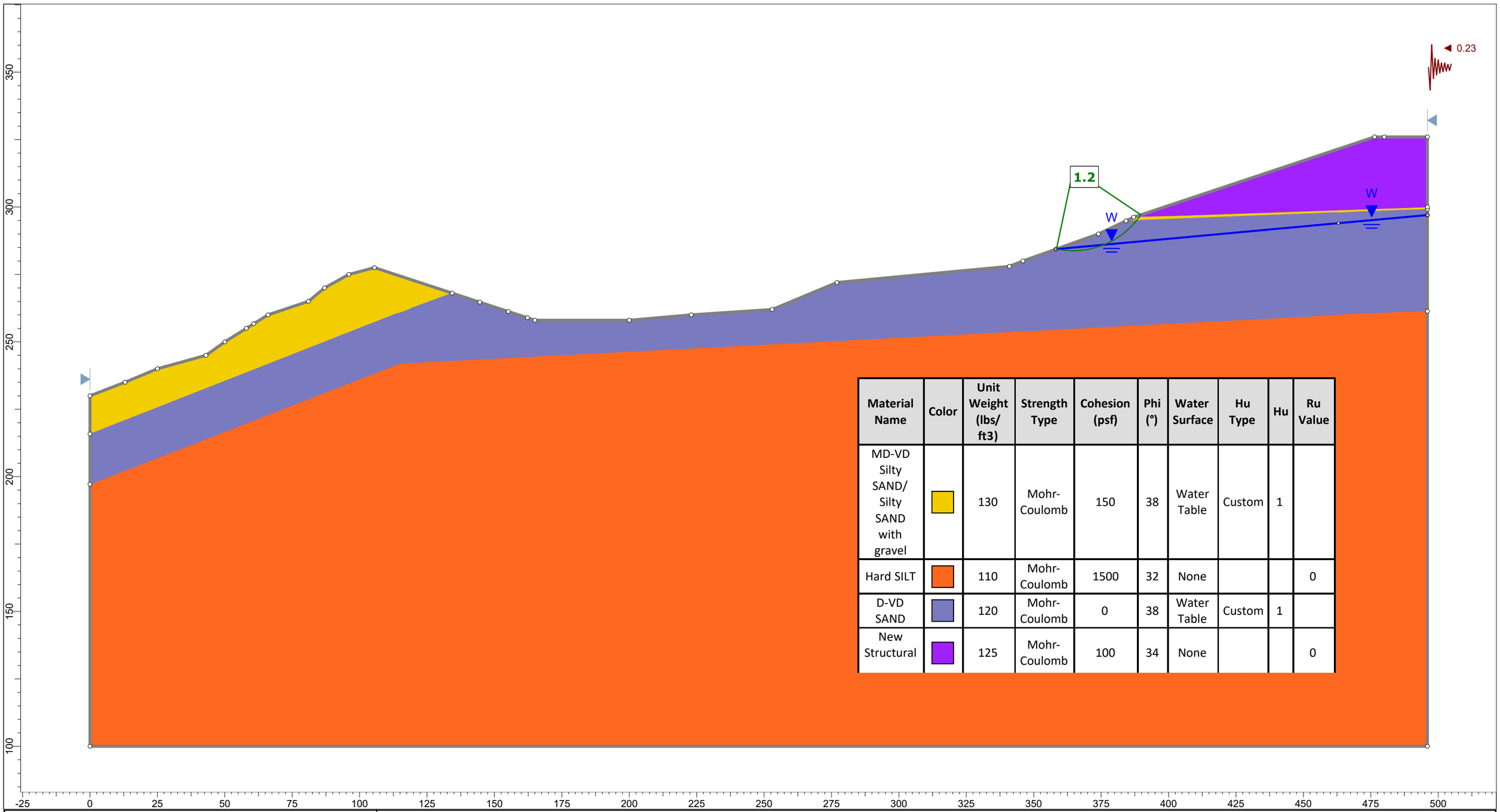
SLIDEINTERPRET 9.040

| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section A-A' | *Scenario* | Master Scenario |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/25/2025 | *File Name* | Cross Sections - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Hu Type | Hu | Ru Value |
|---|---|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/ Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | Water Table | Custom | 1 | |
| Hard SILT | | 110 | Mohr-Coulomb | 1500 | 32 | None | | | 0 |
| D-VD SAND | | 120 | Mohr-Coulomb | 0 | 38 | Water Table | Custom | 1 | |
| New Structural | | 125 | Mohr-Coulomb | 100 | 34 | None | | | 0 |

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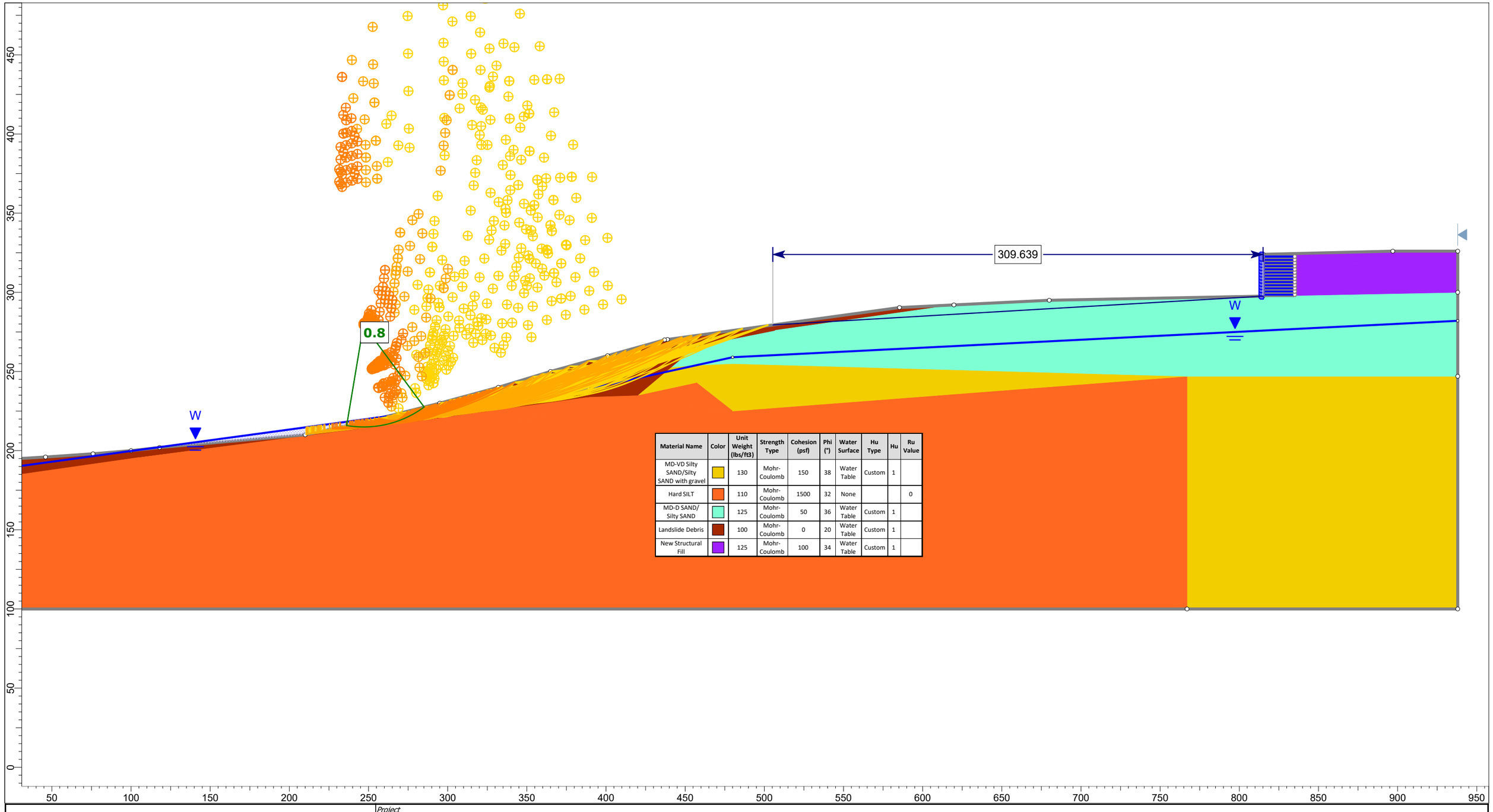
SLIDEINTERPRET 9.040

| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section A-A' | *Scenario* | Seismic |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/25/2025 | *File Name* | Cross Sections - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Hu Type | Hu | Ru Value |
|---|---|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | Water Table | Custom | 1 | |
| Hard SILT | | 110 | Mohr-Coulomb | 1500 | 32 | None | | | 0 |
| MD-D SAND/ Silty SAND | | 125 | Mohr-Coulomb | 50 | 36 | Water Table | Custom | 1 | |
| Landslide Debris | | 100 | Mohr-Coulomb | 0 | 20 | Water Table | Custom | 1 | |
| New Structural Fill | | 125 | Mohr-Coulomb | 100 | 34 | Water Table | Custom | 1 | |

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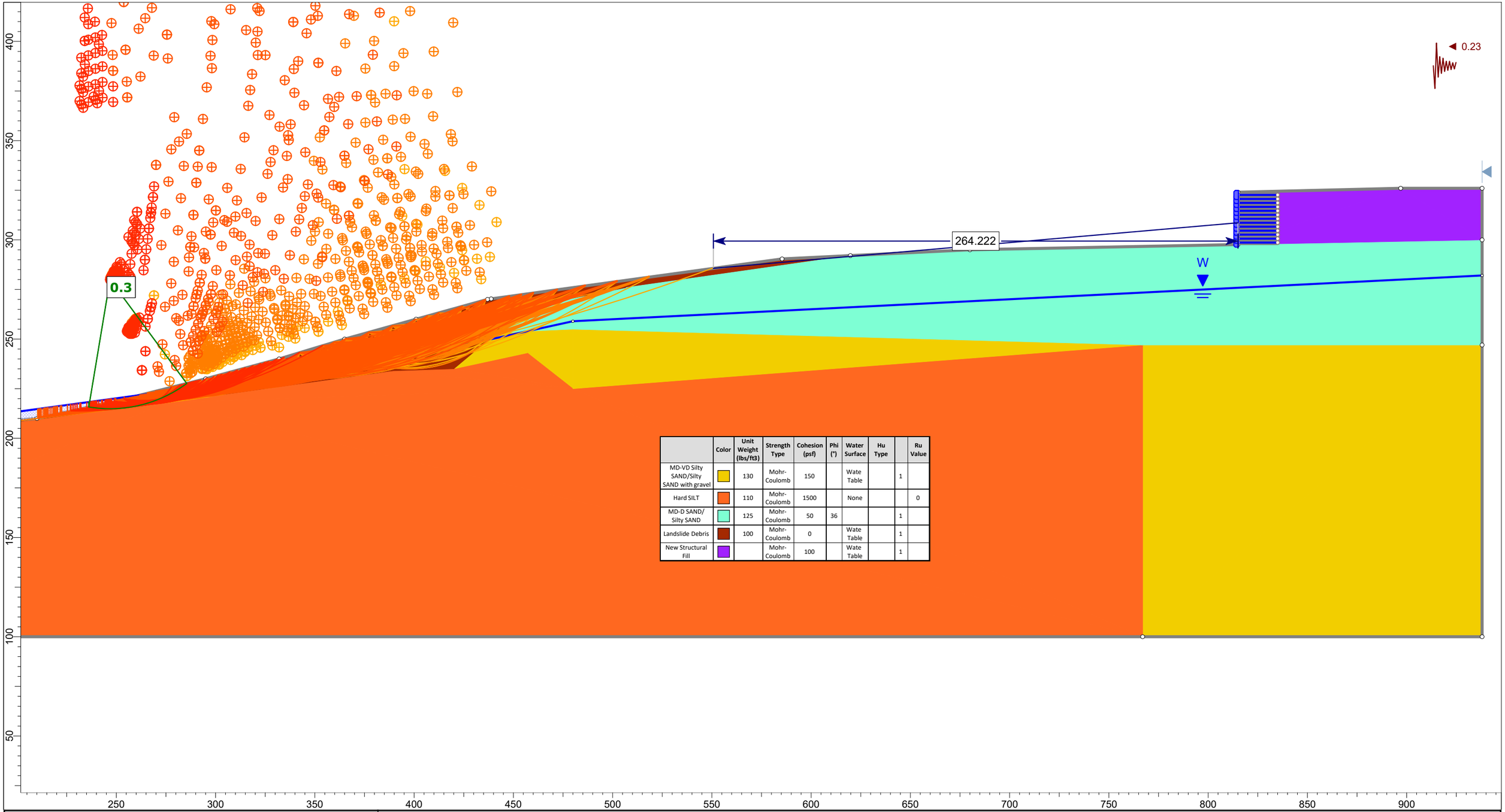
SLIDEINTERPRET 9.040

| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section B-B' | *Scenario* | Master Scenario |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/25/2025 | *File Name* | Cross Sections - Post Construction Conditions - November 2025.slmd |




| | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Hu Type | | Ru Value |
|---|---|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | | Wate Table | | 1 | |
| Hard SILT | | 110 | Mohr-Coulomb | 1500 | | None | | | 0 |
| MD-D SAND/ Silty SAND | | 125 | Mohr-Coulomb | 50 | 36 | | | 1 | |
| Landslide Debris | | 100 | Mohr-Coulomb | 0 | | Wate Table | | 1 | |
| New Structural Fill | | | Mohr-Coulomb | 100 | | Wate Table | | 1 | |

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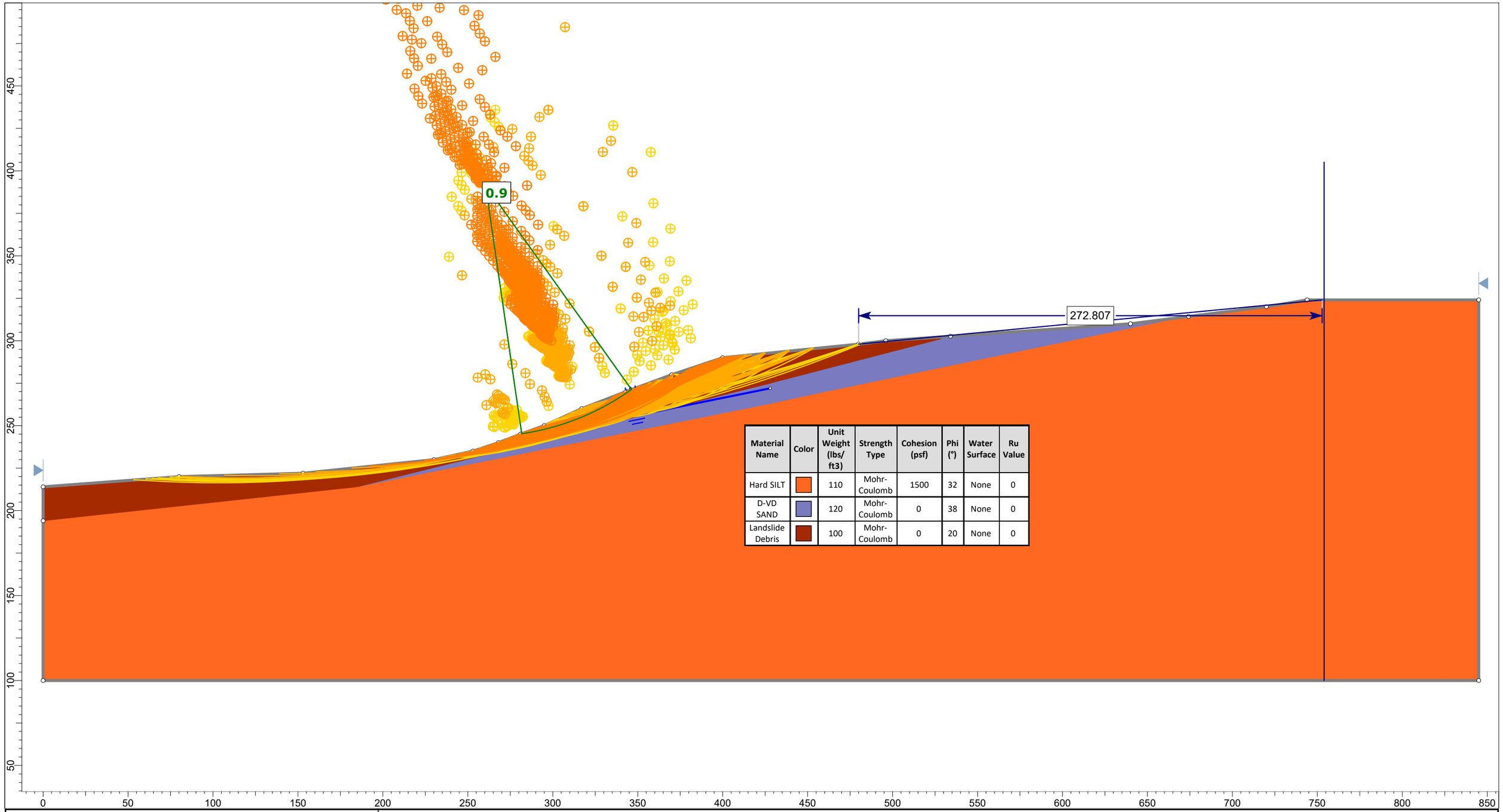
SLIDEINTERPRET 9.040

| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section B-B' | *Scenario* | Seismic |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/25/2025 | *File Name* | Cross Sections - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| Hard SILT | | 110 | Mohr-Coulomb | 1500 | 32 | None | 0 |
| D-VD SAND | | 120 | Mohr-Coulomb | 0 | 38 | None | 0 |
| Landslide Debris | | 100 | Mohr-Coulomb | 0 | 20 | None | 0 |

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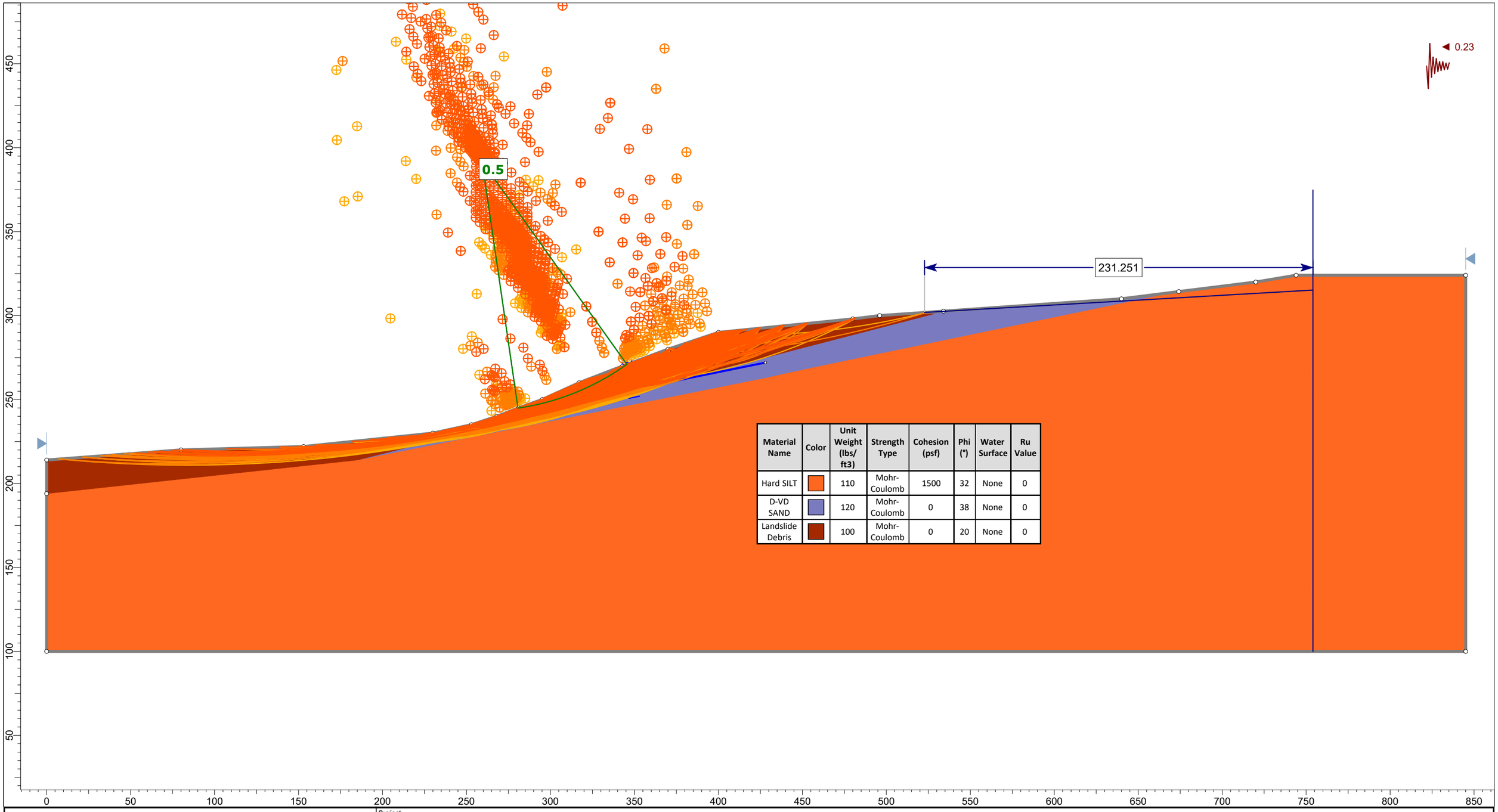
SLIDEINTERPRET 9.040

| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section C-C' | *Scenario* | Master Scenario |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/25/2025 | *File Name* | Cross Sections - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| Hard SILT | | 110 | Mohr-Coulomb | 1500 | 32 | None | 0 |
| D-VD SAND | | 120 | Mohr-Coulomb | 0 | 38 | None | 0 |
| Landslide Debris | | 100 | Mohr-Coulomb | 0 | 20 | None | 0 |

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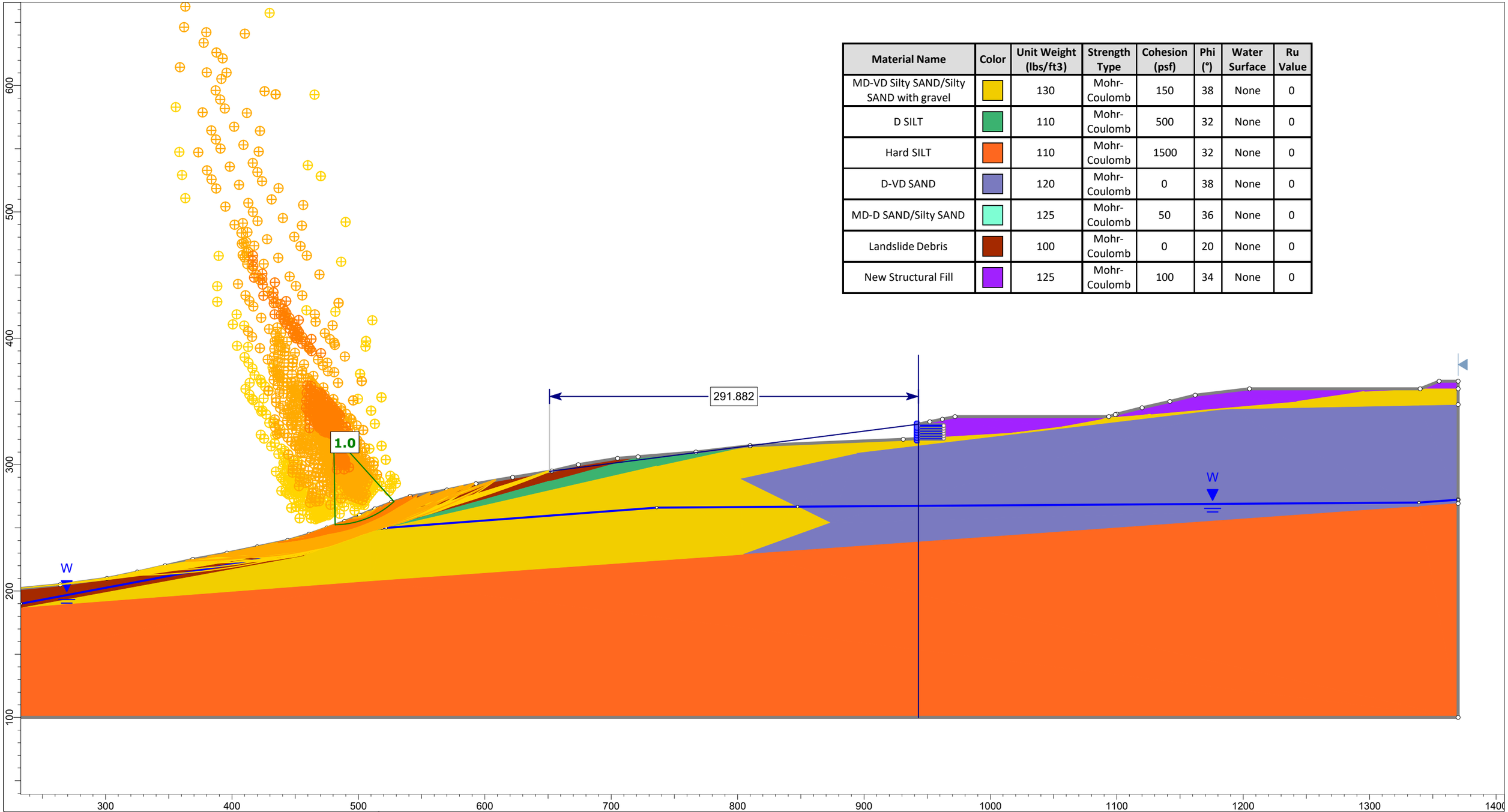
SLIDEINTERPRET 9.040

| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section C-C' | *Scenario* | Seismic |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/25/2025 | *File Name* | Cross Sections - Post Construction Conditions - November 2025.slmd |

| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | None | 0 |
| D SILT | | 110 | Mohr-Coulomb | 500 | 32 | None | 0 |
| Hard SILT | | 110 | Mohr-Coulomb | 1500 | 32 | None | 0 |
| D-VD SAND | | 120 | Mohr-Coulomb | 0 | 38 | None | 0 |
| MD-D SAND/Silty SAND | | 125 | Mohr-Coulomb | 50 | 36 | None | 0 |
| Landslide Debris | | 100 | Mohr-Coulomb | 0 | 20 | None | 0 |
| New Structural Fill | | 125 | Mohr-Coulomb | 100 | 34 | None | 0 |

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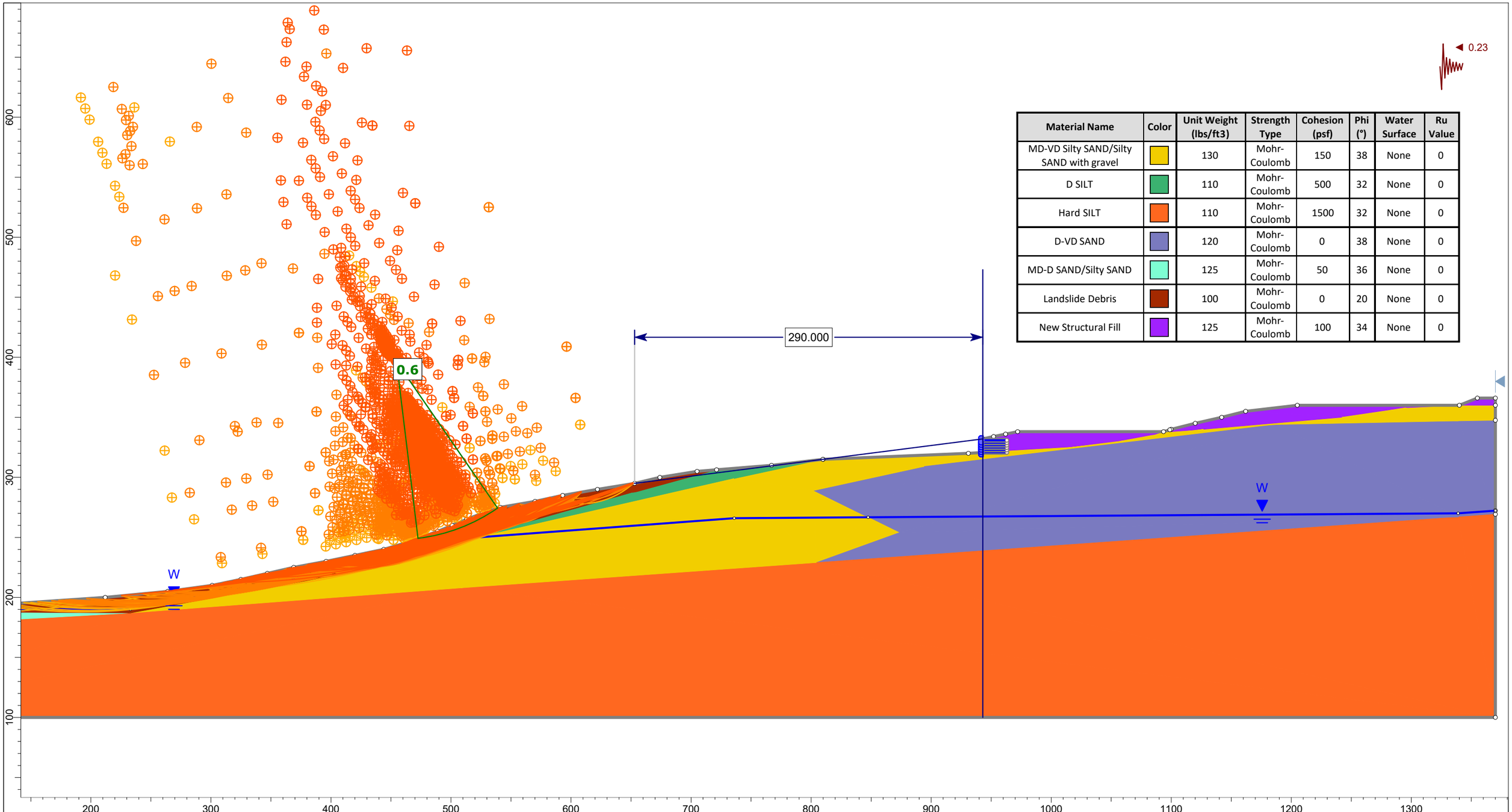
| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section D-D' | *Scenario* | Master Scenario |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/25/2025 | *File Name* | Cross Sections - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | None | 0 |
| D SILT | | 110 | Mohr-Coulomb | 500 | 32 | None | 0 |
| Hard SILT | | 110 | Mohr-Coulomb | 1500 | 32 | None | 0 |
| D-VD SAND | | 120 | Mohr-Coulomb | 0 | 38 | None | 0 |
| MD-D SAND/Silty SAND | | 125 | Mohr-Coulomb | 50 | 36 | None | 0 |
| Landslide Debris | | 100 | Mohr-Coulomb | 0 | 20 | None | 0 |
| New Structural Fill | | 125 | Mohr-Coulomb | 100 | 34 | None | 0 |

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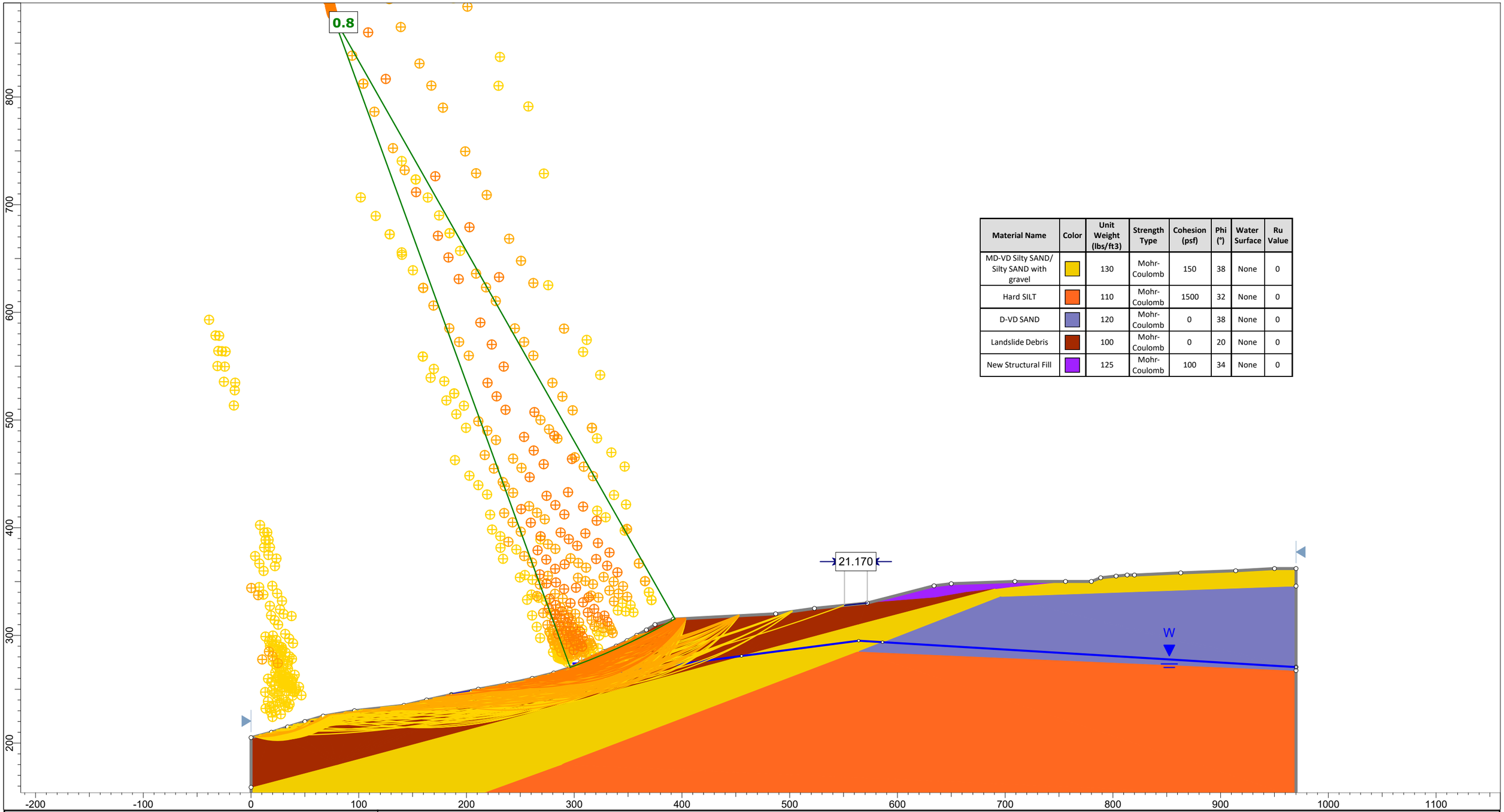
SLIDEINTERPRET 9.040

| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section D-D' | *Scenario* | Seismic |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/25/2025 | *File Name* | Cross Sections - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/ Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | None | 0 |
| Hard SILT | | 110 | Mohr-Coulomb | 1500 | 32 | None | 0 |
| D-VD SAND | | 120 | Mohr-Coulomb | 0 | 38 | None | 0 |
| Landslide Debris | | 100 | Mohr-Coulomb | 0 | 20 | None | 0 |
| New Structural Fill | | 125 | Mohr-Coulomb | 100 | 34 | None | 0 |

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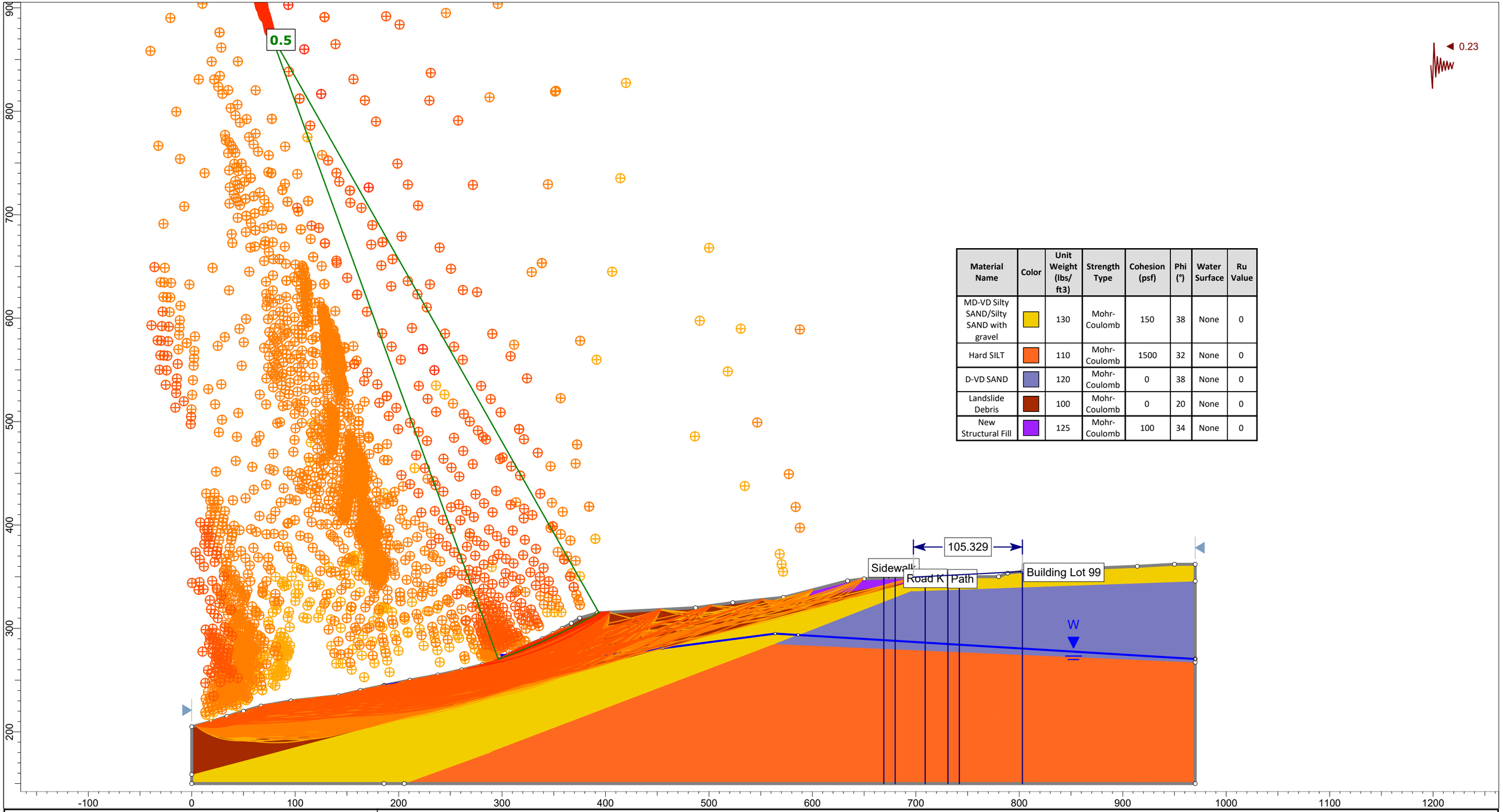
| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section E-E' | *Scenario* | Master Scenario |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/25/2025 | *File Name* | Cross Sections - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | None | 0 |
| Hard SILT | | 110 | Mohr-Coulomb | 1500 | 32 | None | 0 |
| D-VD SAND | | 120 | Mohr-Coulomb | 0 | 38 | None | 0 |
| Landslide Debris | | 100 | Mohr-Coulomb | 0 | 20 | None | 0 |
| New Structural Fill | | 125 | Mohr-Coulomb | 100 | 34 | None | 0 |

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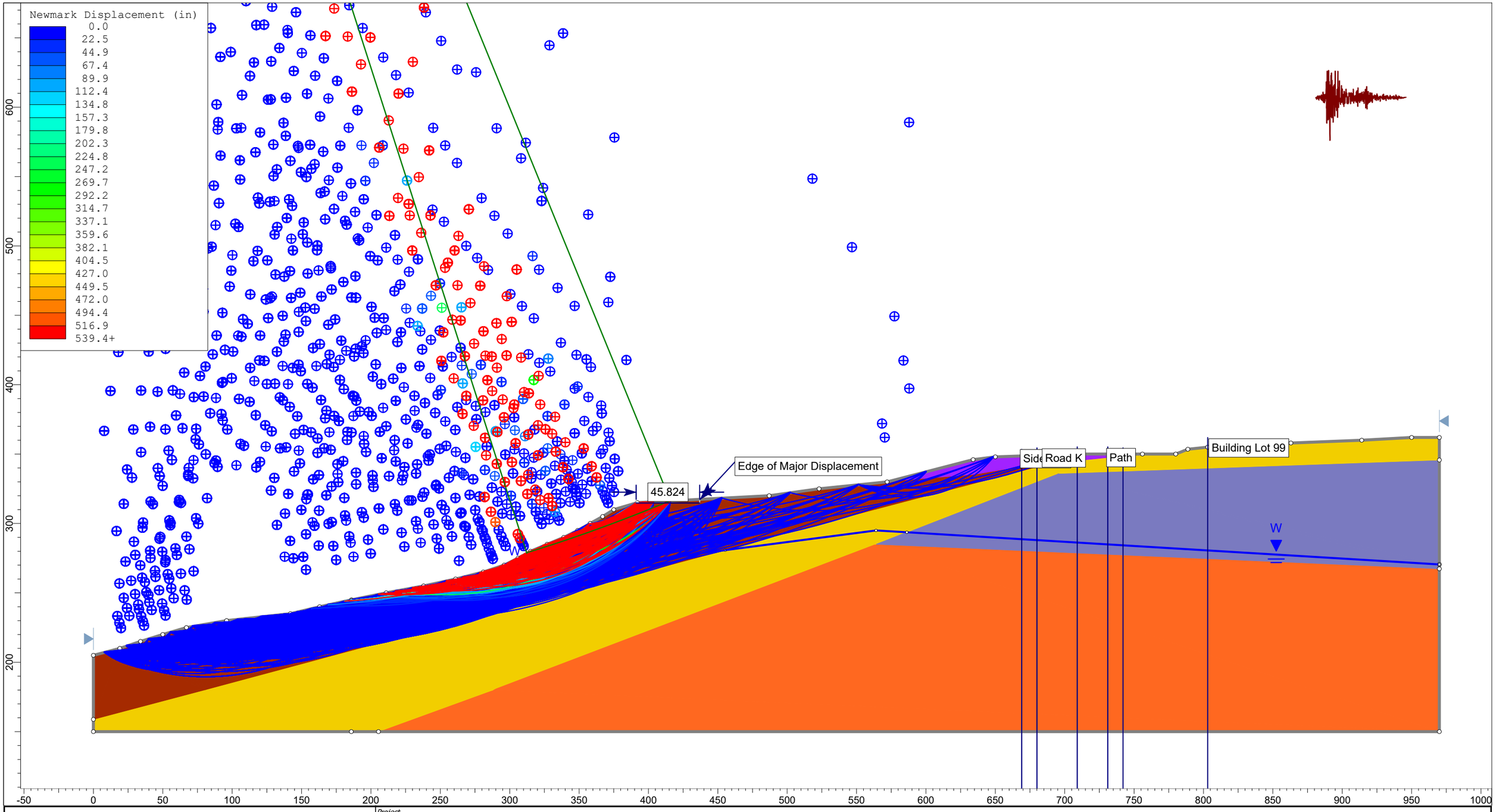
| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section E-E' | *Scenario* | Seismic |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/25/2025 | *File Name* | Cross Sections - Post Construction Conditions - November 2025.slmd |

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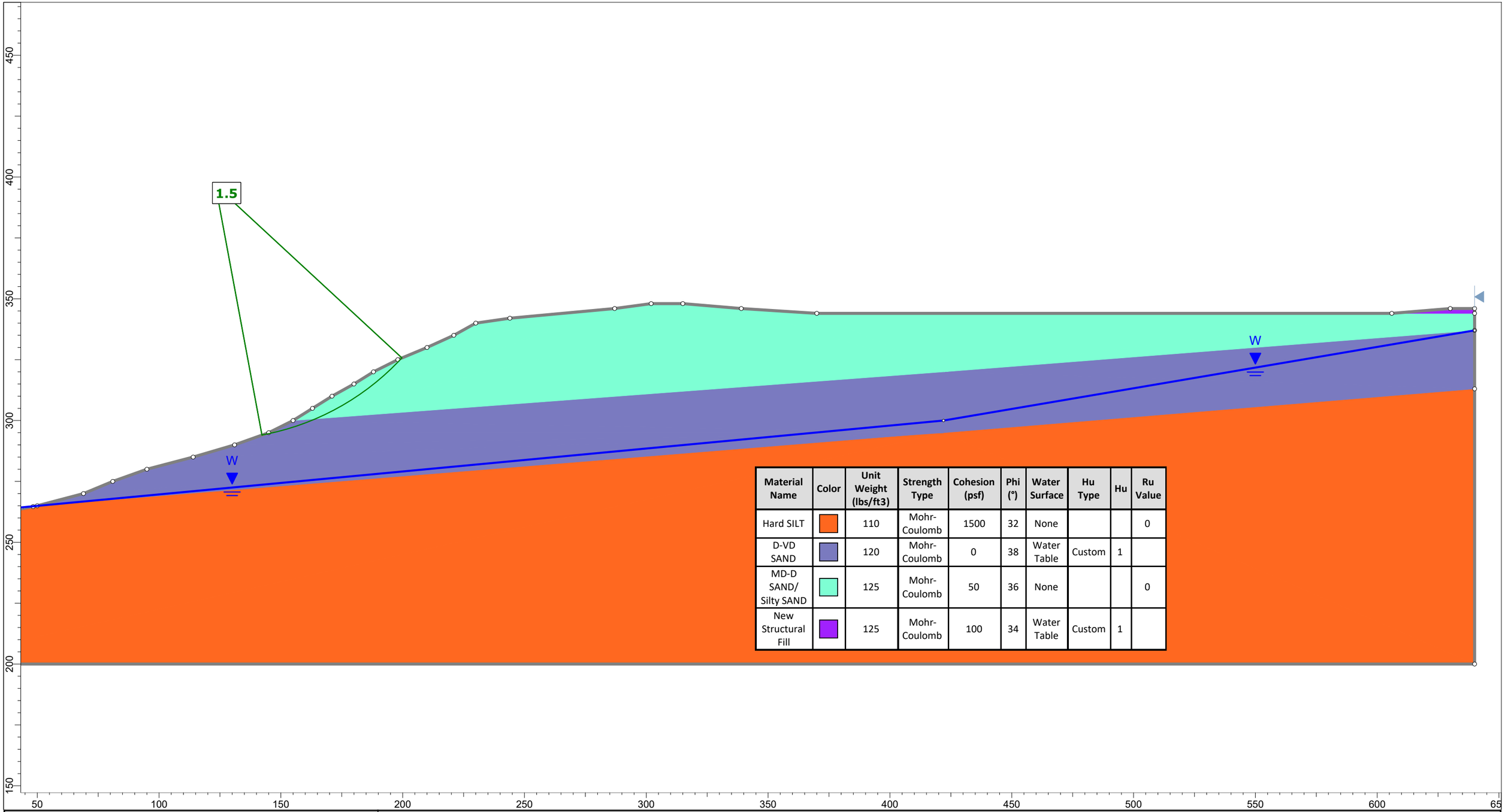
| | | | |
|---|---|---|---|
| Project | Arlington 360 | | |
| Group | Cross Section E-E' | Scenario | Newmark |
| Drawn By | C. Decker | Company | Terra Associates, Inc. |
| Date | 11/25/2025 | File Name | Cross Sections - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Hu Type | Hu | Ru Value |
|---|---|---|---|---|---|---|---|---|---|
| Hard SILT | | 110 | Mohr-Coulomb | 1500 | 32 | None | | | 0 |
| D-VD SAND | | 120 | Mohr-Coulomb | 0 | 38 | Water Table | Custom | 1 | |
| MD-D SAND/ Silty SAND | | 125 | Mohr-Coulomb | 50 | 36 | None | | | 0 |
| New Structural Fill | | 125 | Mohr-Coulomb | 100 | 34 | Water Table | Custom | 1 | |

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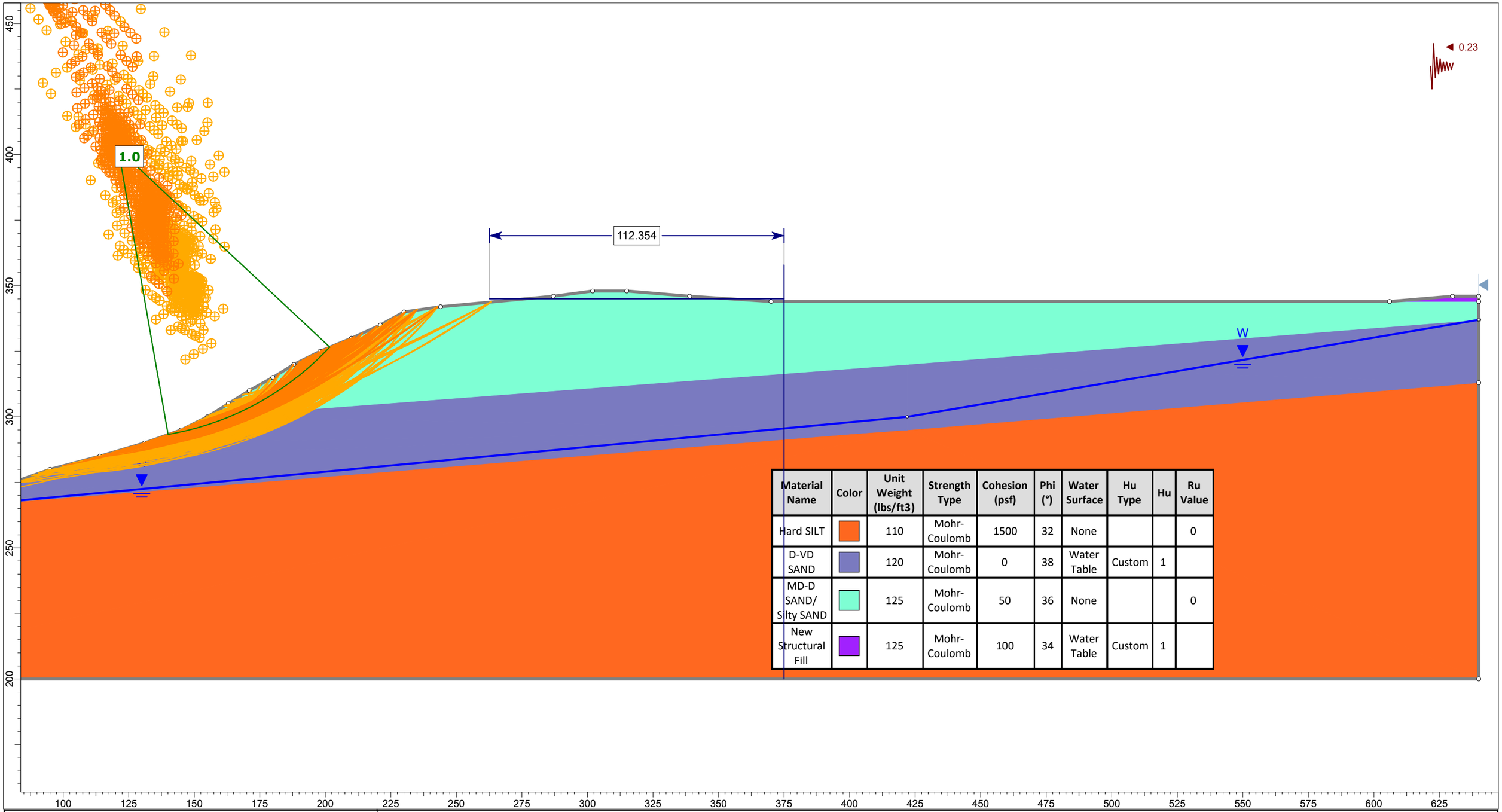
| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section G-G' | *Scenario* | Master Scenario |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/25/2025 | *File Name* | Cross Sections - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Hu Type | Hu | Ru Value |
|---|---|---|---|---|---|---|---|---|---|
| Hard SILT | | 110 | Mohr-Coulomb | 1500 | 32 | None | | | 0 |
| D-VD SAND | | 120 | Mohr-Coulomb | 0 | 38 | Water Table | Custom | 1 | |
| MD-D SAND/ Silty SAND | | 125 | Mohr-Coulomb | 50 | 36 | None | | | 0 |
| New Structural Fill | | 125 | Mohr-Coulomb | 100 | 34 | Water Table | Custom | 1 | |

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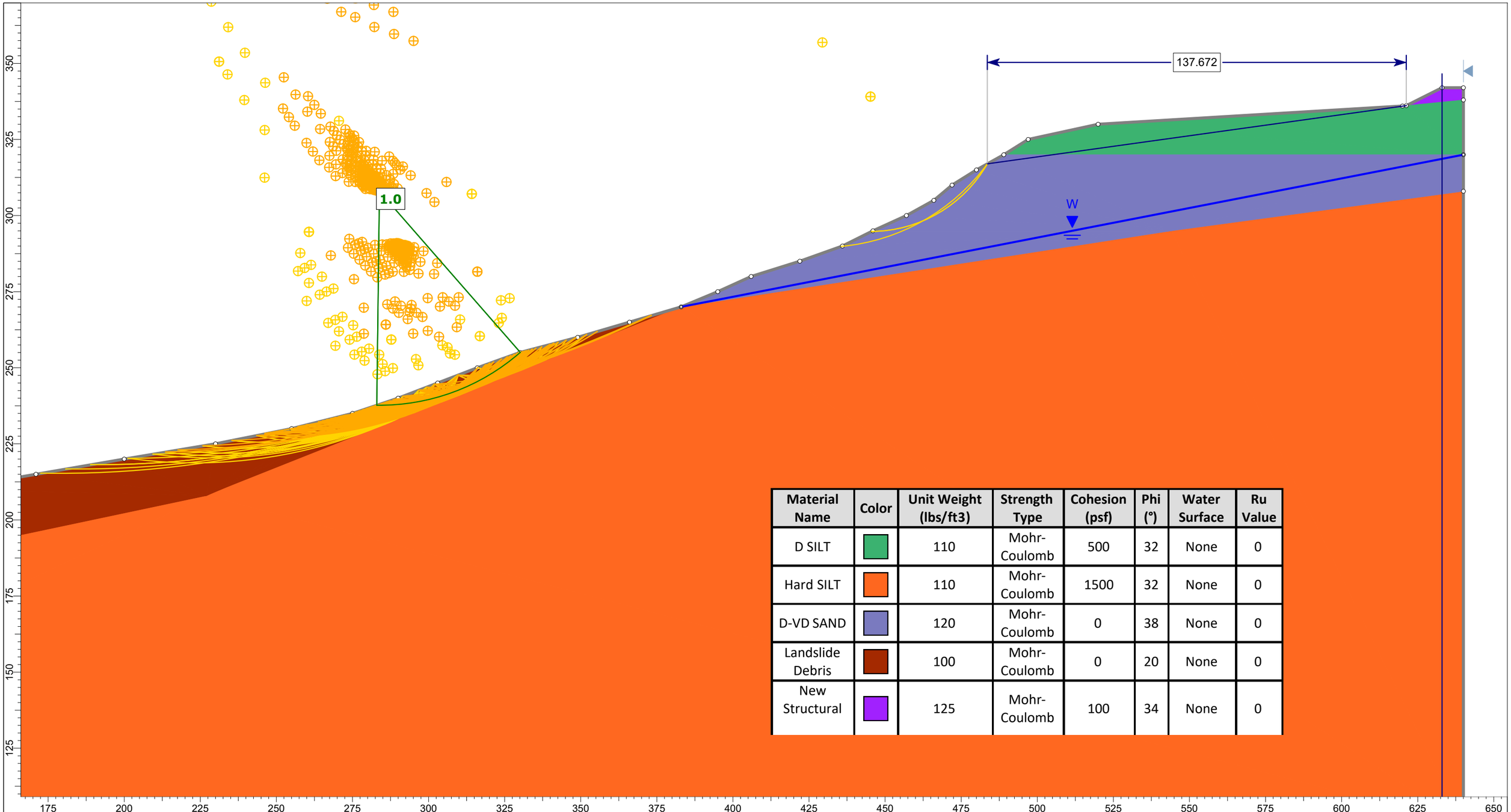
| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section G-G' | *Scenario* | Seismic |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/25/2025 | *File Name* | Cross Sections - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| D SILT | | 110 | Mohr-Coulomb | 500 | 32 | None | 0 |
| Hard SILT | | 110 | Mohr-Coulomb | 1500 | 32 | None | 0 |
| D-VD SAND | | 120 | Mohr-Coulomb | 0 | 38 | None | 0 |
| Landslide Debris | | 100 | Mohr-Coulomb | 0 | 20 | None | 0 |
| New Structural | | 125 | Mohr-Coulomb | 100 | 34 | None | 0 |

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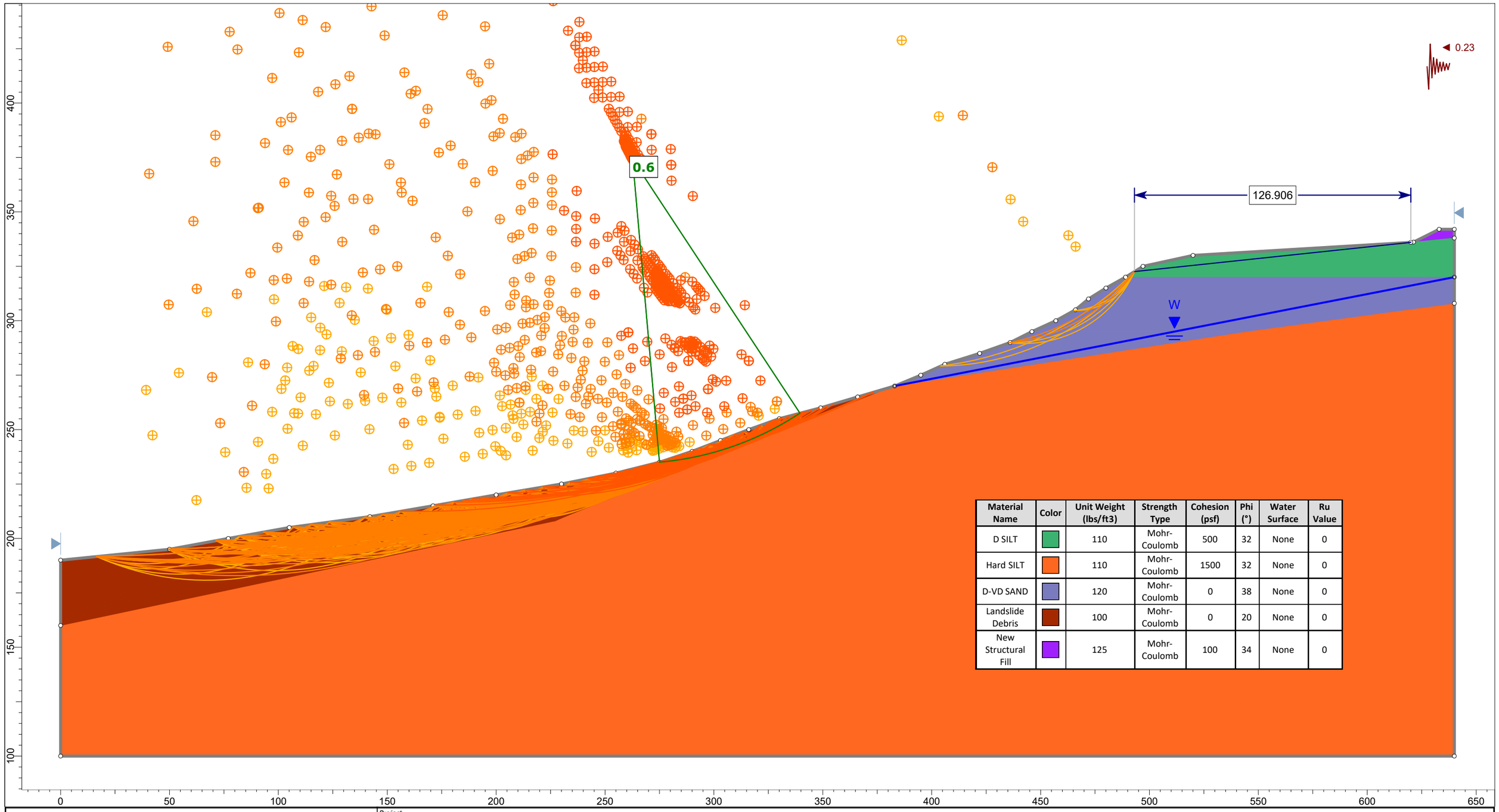
| | | | |
|---|---|---|---|
| Project | Arlington 360 | | |
| Group | Cross Section H-H' | Scenario | Master Scenario |
| Drawn By | C. Decker | Company | Terra Associates, Inc. |
| Date | 11/25/2025 | File Name | Cross Sections - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| D SILT | | 110 | Mohr-Coulomb | 500 | 32 | None | 0 |
| Hard SILT | | 110 | Mohr-Coulomb | 1500 | 32 | None | 0 |
| D-VD SAND | | 120 | Mohr-Coulomb | 0 | 38 | None | 0 |
| Landslide Debris | | 100 | Mohr-Coulomb | 0 | 20 | None | 0 |
| New Structural Fill | | 125 | Mohr-Coulomb | 100 | 34 | None | 0 |

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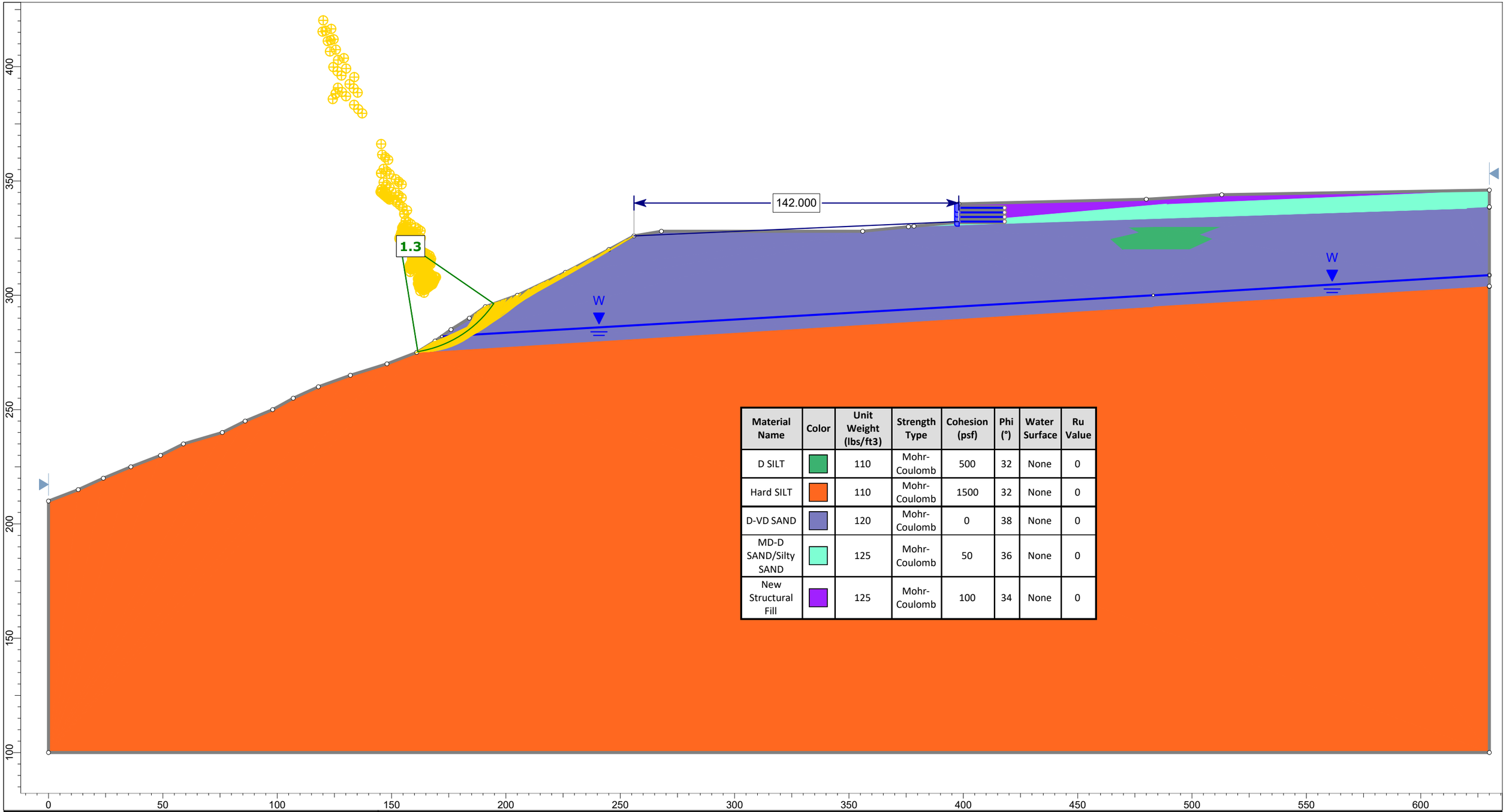
| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section H-H' | *Scenario* | Seismic |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/25/2025 | *File Name* | Cross Sections - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| D SILT | | 110 | Mohr-Coulomb | 500 | 32 | None | 0 |
| Hard SILT | | 110 | Mohr-Coulomb | 1500 | 32 | None | 0 |
| D-VD SAND | | 120 | Mohr-Coulomb | 0 | 38 | None | 0 |
| MD-D SAND/Silty SAND | | 125 | Mohr-Coulomb | 50 | 36 | None | 0 |
| New Structural Fill | | 125 | Mohr-Coulomb | 100 | 34 | None | 0 |

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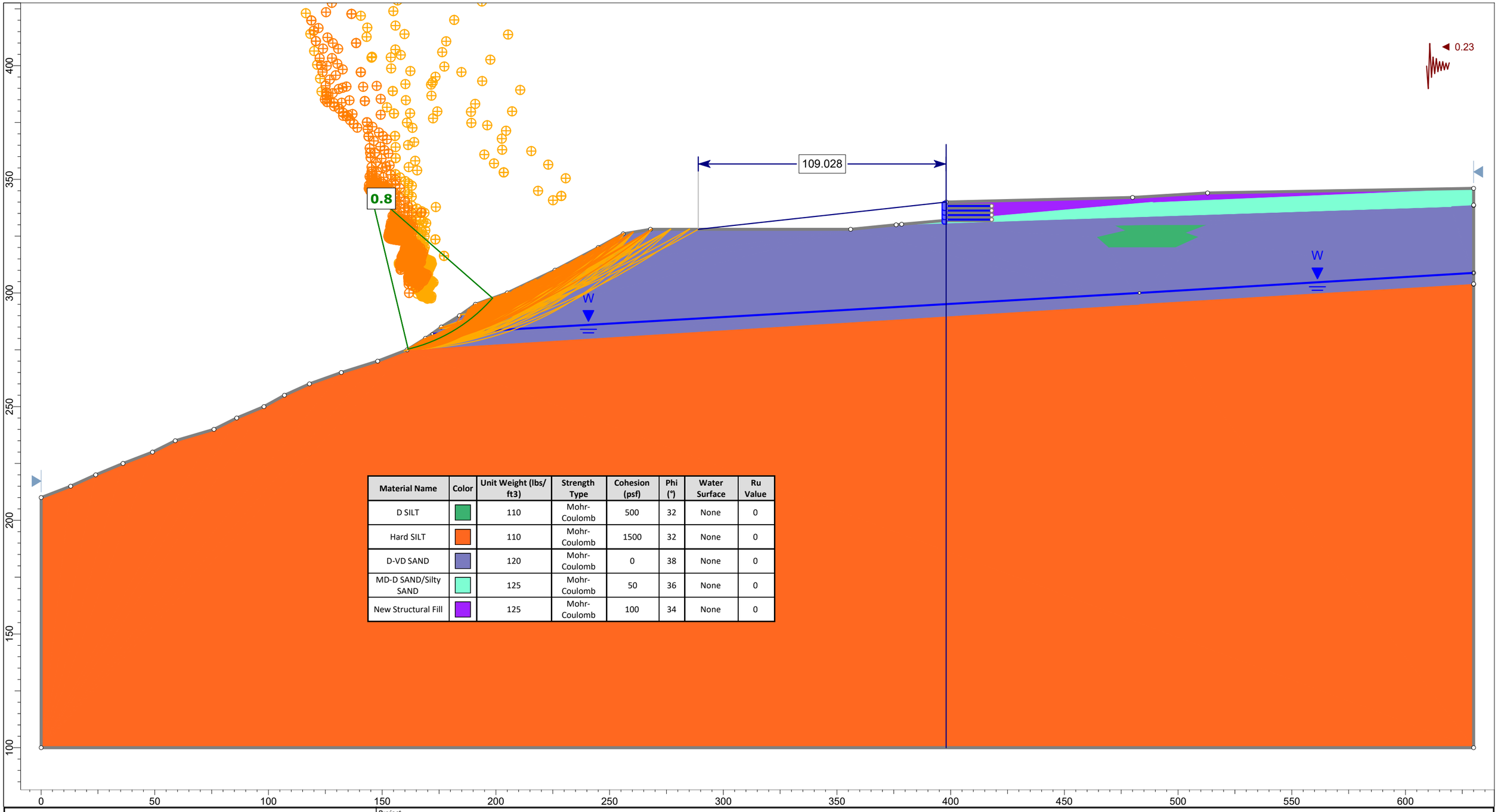
| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section I-I' | *Scenario* | Master Scenario |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/25/2025 | *File Name* | Cross Sections - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| D SILT | | 110 | Mohr-Coulomb | 500 | 32 | None | 0 |
| Hard SILT | | 110 | Mohr-Coulomb | 1500 | 32 | None | 0 |
| D-VD SAND | | 120 | Mohr-Coulomb | 0 | 38 | None | 0 |
| MD-D SAND/Silty SAND | | 125 | Mohr-Coulomb | 50 | 36 | None | 0 |
| New Structural Fill | | 125 | Mohr-Coulomb | 100 | 34 | None | 0 |

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| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section I-I' | *Scenario* | Seismic |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/25/2025 | *File Name* | Cross Sections - Post Construction Conditions - November 2025.slmd |

ROCSCIENCE

Cross Sections - Post Construction Conditions - November 2025
Arlington 360
Terra Associates, Inc.
Date Created: 11/25/2025
Software Version: 9.04

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# Slide2 Analysis Information

# Cross Sections - Post Construction Conditions - November 2025

## Project Summary

| | |
|---|---|
| File Name: | Cross Sections - Post Construction Conditions - November 2025.slmd |
| Slide2 Modeler Version: | 9.04 |
| Project Title: | Arlington 360 |
| Analysis: | Post Construction |
| Author: | C. Decker |
| Company: | Terra Associates, Inc. |
| Date Created: | 11/25/2025 |

### Currently Open Scenarios

| Group Name | Scenario Name | Global Minimum | Compute Time |
|---|---|---|---|
| Cross Section A -A' | Master Scenario | Bishop Simplified: 2.046100<br>Janbu Simplified: 1.872830 | 00h:00m:01.229s |
| | Seismic | Bishop Simplified: 1.221560<br>Janbu Simplified: 1.099810 | 00h:00m:01.184s |
| Cross Section B -B' | Master Scenario | Bishop Simplified: 0.758037<br>Janbu Simplified: 0.726294 | 00h:00m:02.63s |
| | Seismic | Bishop Simplified: 0.330835<br>Janbu Simplified: 0.320817 | 00h:00m:01.764s |
| Cross Section C -C' | Master Scenario | Bishop Simplified: 0.903910<br>Janbu Simplified: 0.884362 | 00h:00m:01.970s |
| | Seismic | Bishop Simplified: 0.529124<br>Janbu Simplified: 0.519857 | 00h:00m:01.735s |

| | | | |
|---|---|---|---|
| Cross Section D -D' | Master Scenario | Bishop Simplified: 0.956465<br>Janbu Simplified: 0.928471 | 00h:00m:01.867s |
| | Seismic | Bishop Simplified: 0.551661<br>Janbu Simplified: 0.539656 | 00h:00m:02.20s |
| Cross Section E -E' | Master Scenario | Bishop Simplified: 0.771168<br>Janbu Simplified: 0.769353 | 00h:00m:01.811s |
| | Seismic | Bishop Simplified: 0.463770<br>Janbu Simplified: 0.461880 | 00h:00m:01.724s |
| | Newmark | Bishop Simplified: 539.347000<br>Janbu Simplified: 539.347000 | 00h:00m:07.590s |
| Cross Section F -F' | Master Scenario | Bishop Simplified: 1.678520<br>Janbu Simplified: 1.616650 | 00h:00m:01.844s |
| | Seismic | Bishop Simplified: 1.076840<br>Janbu Simplified: 1.029000 | 00h:00m:01.630s |
| Cross Section G -G' | Master Scenario | Bishop Simplified: 1.494300<br>Janbu Simplified: 1.450380 | 00h:00m:01.610s |
| | Seismic | Bishop Simplified: 0.950407<br>Janbu Simplified: 0.919098 | 00h:00m:01.715s |
| Cross Section H -H' | Master Scenario | Bishop Simplified: 1.028930<br>Janbu Simplified: 0.999330 | 00h:00m:01.727s |
| | Seismic | Bishop Simplified: 0.582828<br>Janbu Simplified: 0.568844 | 00h:00m:01.551s |
| Cross Section I -I' | Master Scenario | Bishop Simplified: 1.310640<br>Janbu Simplified: 1.250980 | 00h:00m:01.853s |
| | Seismic | Bishop Simplified: 0.838609<br>Janbu Simplified: 0.790489 | 00h:00m:01.963s |

# General Settings

| | |
|---|---|
| Units of Measurement: | Imperial Units |
| Time Units: | days |
| Permeability Units: | feet/second |
| Data Output: | Standard |
| Failure Direction: | Right to Left |

# Analysis Options

## All Open Scenarios

| | |
|---|---|
| Slices Type: | Vertical |
| **Analysis Methods Used** | |
| | Bishop simplified |
| | Janbu simplified |
| Number of slices: | 50 |
| Tolerance: | 0.005 |
| Maximum number of iterations: | 75 |
| Check malpha < 0.2: | Yes |
| Create Interslice boundaries at intersections with water tables and piezos: | Yes |
| Initial trial value of FS: | 1 |
| Steffensen Iteration: | Yes |

# Groundwater Analysis

## All Open Scenarios

| | |
|---|---|
| Groundwater Method: | Water Surfaces |
| Pore Fluid Unit Weight [lbs/ft3]: | 62.4 |
| Advanced Groundwater Method: | None |

# Random Numbers

## All Open Scenarios

| | |
|---|---|
| Pseudo-random Seed: | 10116 |
| Random Number Generation Method: | Park and Miller v.3 |

# Surface Options

## Cross Section A-A'

| | |
|---|---|
| Surface Type: | Circular |
| Search Method: | Auto Refine Search |
| Divisions along slope: | 20 |
| Circles per division: | 10 |
| Number of iterations: | 10 |
| Divisions to use in next iteration: | 50% |
| Composite Surfaces: | Disabled |
| Minimum Elevation: | Not Defined |
| Minimum Depth [ft]: | 5 |
| Minimum Area: | Not Defined |
| Minimum Weight: | Not Defined |

## Cross Section B-B'

| | |
|---|---|
| Surface Type: | Circular |
| Search Method: | Auto Refine Search |
| Divisions along slope: | 20 |
| Circles per division: | 10 |
| Number of iterations: | 10 |
| Divisions to use in next iteration: | 50% |
| Composite Surfaces: | Disabled |
| Minimum Elevation: | Not Defined |
| Minimum Depth [ft]: | 5 |
| Minimum Area: | Not Defined |
| Minimum Weight: | Not Defined |

## Cross Section C-C'

| | |
|---|---|
| Surface Type: | Circular |
| Search Method: | Auto Refine Search |
| Divisions along slope: | 20 |
| Circles per division: | 10 |
| Number of iterations: | 10 |
| Divisions to use in next iteration: | 50% |
| Composite Surfaces: | Disabled |
| Minimum Elevation: | Not Defined |
| Minimum Depth [ft]: | 5 |
| Minimum Area: | Not Defined |
| Minimum Weight: | Not Defined |

## Cross Section D-D'

| | |
|---|---|
| Surface Type: | Circular |
| Search Method: | Auto Refine Search |
| Divisions along slope: | 20 |
| Circles per division: | 10 |
| Number of iterations: | 10 |
| Divisions to use in next iteration: | 50% |
| Composite Surfaces: | Disabled |
| Minimum Elevation: | Not Defined |
| Minimum Depth [ft]: | 5 |
| Minimum Area: | Not Defined |
| Minimum Weight: | Not Defined |

## Cross Section E-E'

| | |
|---|---|
| Surface Type: | Circular |
| Search Method: | Auto Refine Search |
| Divisions along slope: | 20 |
| Circles per division: | 10 |
| Number of iterations: | 10 |
| Divisions to use in next iteration: | 50% |
| Composite Surfaces: | Disabled |
| Minimum Elevation: | Not Defined |
| Minimum Depth [ft]: | 5 |
| Minimum Area: | Not Defined |
| Minimum Weight: | Not Defined |

## Cross Section F-F'

| | |
|---|---|
| Surface Type: | Circular |
| Search Method: | Auto Refine Search |
| Divisions along slope: | 20 |
| Circles per division: | 10 |
| Number of iterations: | 10 |
| Divisions to use in next iteration: | 50% |
| Composite Surfaces: | Disabled |
| Minimum Elevation: | Not Defined |
| Minimum Depth: | Not Defined |
| Minimum Area: | Not Defined |
| Minimum Weight: | Not Defined |

## Cross Section G-G'

| | |
|---|---|
| Surface Type: | Circular |
| Search Method: | Auto Refine Search |
| Divisions along slope: | 20 |
| Circles per division: | 10 |
| Number of iterations: | 10 |
| Divisions to use in next iteration: | 50% |
| Composite Surfaces: | Disabled |
| Minimum Elevation: | Not Defined |
| Minimum Depth [ft]: | 5 |
| Minimum Area: | Not Defined |
| Minimum Weight: | Not Defined |

## Cross Section H-H'

| | |
|---|---|
| Surface Type: | Circular |
| Search Method: | Auto Refine Search |
| Divisions along slope: | 20 |
| Circles per division: | 10 |
| Number of iterations: | 10 |
| Divisions to use in next iteration: | 50% |
| Composite Surfaces: | Disabled |
| Minimum Elevation: | Not Defined |
| Minimum Depth [ft]: | 5 |
| Minimum Area: | Not Defined |
| Minimum Weight: | Not Defined |

## Cross Section I-I'

| | |
|---|---|
| Surface Type: | Circular |
| Search Method: | Auto Refine Search |
| Divisions along slope: | 20 |
| Circles per division: | 10 |
| Number of iterations: | 10 |
| Divisions to use in next iteration: | 50% |
| Composite Surfaces: | Disabled |
| Minimum Elevation: | Not Defined |
| Minimum Depth [ft]: | 5 |
| Minimum Area: | Not Defined |
| Minimum Weight: | Not Defined |

# Seismic Loading

## Cross Section A-A' - Master Scenario

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |

## Cross Section A-A' - Seismic

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |
| Seismic Load Coefficient (Horizontal): | 0.23 |

## Cross Section B-B' - Master Scenario

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |

## Cross Section B-B' - Seismic

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |
| Seismic Load Coefficient (Horizontal): | 0.23 |

## Cross Section C-C' - Master Scenario

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |

## Cross Section C-C' - Seismic

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |
| Seismic Load Coefficient (Horizontal): | 0.23 |

## Cross Section D-D' - Master Scenario

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |

## Cross Section D-D' - Seismic

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |
| Seismic Load Coefficient (Horizontal): | 0.23 |

## Cross Section E-E' - Master Scenario

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |

## Cross Section E-E' - Seismic

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |
| Seismic Load Coefficient (Horizontal): | 0.23 |

## Cross Section E-E' - Newmark

| | |
|---|---|
| Advanced seismic analysis: | Yes |
| Locate surface with minimum critical horizontal seismic acceleration (Ky): | No |
| Using Newmark analysis: | Yes |
| Seismic record used: | Cape Mendocino 1992: RIO-270 |
| Scaling records: | No Scaling |
| Displacement computed using: | Maximum positive/negative |
| Analysis type | Rigid |
| Displacement direction: | Downslope only |
| Staged pseudostatic analysis: | No |

## Cross Section F-F' - Master Scenario

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |

## Cross Section F-F' - Seismic

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |
| Seismic Load Coefficient (Horizontal): | 0.23 |

## Cross Section G-G' - Master Scenario

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |

## Cross Section G-G' - Seismic

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |
| Seismic Load Coefficient (Horizontal): | 0.23 |

## Cross Section H-H' - Master Scenario

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |

## Cross Section H-H' - Seismic

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |
| Seismic Load Coefficient (Horizontal): | 0.23 |

## Cross Section I-I' - Master Scenario

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |

## Cross Section I-I' - Seismic

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |
| Seismic Load Coefficient (Horizontal): | 0.23 |

# Loading

## Cross Section F-F'

 

| | |
|---|---|
| Distribution: | Constant |
| Magnitude [psf]: | 400 |
| Orientation: | Normal to boundary |

# Materials

| MD-VD Silty SAND/Silty SAND with gravel | |
|---|---|
| Color | |
| Strength Type | Mohr-Coulomb |
| Unit Weight | 130 lbs/ft3 |
| Cohesion | 150 psf |
| Phi | 38 ° |
| Water Surface | Assigned per scenario |
| Hu Type | Custom |
| Hu | 1 |
| Specify alternate strength type above water surface | No |

| D SILT | |
|---|---|
| Color | |
| Strength Type | Mohr-Coulomb |
| Unit Weight | 110 lbs/ft3 |
| Cohesion | 500 psf |
| Phi | 32 ° |
| Water Surface | Assigned per scenario |
| Hu Type | Custom |
| Hu | 1 |
| Specify alternate strength type above water surface | No |

| Hard SILT | |
|---|---|
| Color | |
| Strength Type | Mohr-Coulomb |
| Unit Weight | 110 lbs/ft3 |
| Cohesion | 1500 psf |
| Phi | 32 ° |
| Water Surface | Assigned per scenario |
| Ru Value | 0 |

| D-VD SAND | |
|---|---|
| Color | |
| Strength Type | Mohr-Coulomb |
| Unit Weight | 120 lbs/ft3 |
| Cohesion | 0 psf |
| Phi | 38 ° |
| Water Surface | Assigned per scenario |
| Hu Type | Custom |
| Hu | 1 |
| Specify alternate strength type above water surface | No |

| MD-D SAND/Silty SAND | |
|---|---|
| Color | |
| Strength Type | Mohr-Coulomb |
| Unit Weight | 125 lbs/ft3 |
| Cohesion | 50 psf |
| Phi | 36 ° |
| Water Surface | Assigned per scenario |
| Hu Type | Custom |
| Hu | 1 |
| Specify alternate strength type above water surface | No |

| Landslide Debris | |
|---|---|
| Color | |
| Strength Type | Mohr-Coulomb |
| Unit Weight | 100 lbs/ft3 |
| Cohesion | 0 psf |
| Phi | 20 ° |
| Water Surface | Assigned per scenario |
| Hu Type | Custom |
| Hu | 1 |
| Specify alternate strength type above water surface | No |

| New Structural Fill | |
|---|---|
| Color | |
| Strength Type | Mohr-Coulomb |
| Unit Weight | 125 lbs/ft3 |
| Cohesion | 100 psf |
| Phi | 34 ° |
| Water Surface | Assigned per scenario |
| Ru Value | 0 |

## Materials In Use

| Material | Cross Section A-A' | Seismic | Cross Section B-B' | Seismic | Cross Section C-C' | Seismic | Cross Section D-D' | Seismic | Cross Section E-E' | Seismic | Newmark | Cross Section F-F' | Seismic | Cross Section G-G' | Seismic | Cross Section H-H' | Seismic | Cross Section I-I' | Seismic |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MD-V SANI SANI grave | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ |
| D SIL | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ | ✗ | ✗ | ✗ | ✓ | ✓ | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ |
| Hard | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| D-VD | ✓ | ✓ | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MD-D SANI SANI | ✗ | ✗ | ✓ | ✓ | ✗ | ✗ | ✓ | ✓ | ✗ | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✓ | ✓ |
| Lands Debri | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ | ✗ | ✗ |
| New Fill | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

# Support

| Mirafi 5XT | |
|---|---|
| Color | |
| Type | Geosynthetic |
| Force Application | Active (Method A) |
| Force Orientation | Parallel to Reinforcement |
| Selected Manufacturer | TenCate Miragrid 5XT |
| Ultimate Tensile Strength | 4701 lbs/ft |
| Creep Reduction Factor (RFcr) | 1.44 |
| Installation Damage Factor (RFid) | 1.05 |
| Deterioration in Service Factor (RFd) | 1.1 |
| Factor of Safety (Fr) | 1.5 |
| Strip Coverage (%) | 100 |
| Allowable Tensile Strength | 1884.16 lbs/ft |
| Anchorage | Slope Face |
| Connection Strength Input | Constant |
| Connection Strength | 40 lbs/ft |
| Input Type | Friction Angle & Adhesion |
| Shear Strength Model | Linear |
| Adhesion | 100 psf |
| Friction Angle | 40 ° |
| Material Dependent | No |
| Use External Loads in Strength Computation | Yes |
| Consider Sliding Along Interface | No |

# Global Minimums

## Cross Section A-A' - Master Scenario

**Method: bishop simplified**

| FS | 2.046100 |
|---|---|
| Center: | 364.412, 314.629 |
| Radius: | 31.060 |
| Left Slip Surface Endpoint: | 357.917, 284.256 |
| Right Slip Surface Endpoint: | 390.154, 297.250 |
| Resisting Moment: | 308824 lb-ft |
| Driving Moment: | 150933 lb-ft |
| Total Slice Area: | 116.41 ft2 |
| Surface Horizontal Width: | 32.2376 ft |
| Surface Average Height: | 3.61101 ft |

**Method: janbu simplified**

| FS | 1.872830 |
|---|---|
| Center: | 367.967, 305.225 |
| Radius: | 23.253 |
| Left Slip Surface Endpoint: | 357.917, 284.256 |
| Right Slip Surface Endpoint: | 389.761, 297.119 |
| Resisting Horizontal Force: | 11448 lb |
| Driving Horizontal Force: | 6112.66 lb |
| Total Slice Area: | 170.434 ft2 |
| Surface Horizontal Width: | 31.8441 ft |
| Surface Average Height: | 5.35213 ft |

## Cross Section A-A' - Seismic

**Method: bishop simplified**

| FS | 1.221560 |
|---|---|
| Center: | 364.680, 313.981 |
| Radius: | 30.194 |
| Left Slip Surface Endpoint: | 358.432, 284.440 |
| Right Slip Surface Endpoint: | 389.718, 297.104 |
| Resisting Moment: | 260979 lb-ft |
| Driving Moment: | 213644 lb-ft |
| Total Slice Area: | 108.99 ft2 |
| Surface Horizontal Width: | 31.2863 ft |
| Surface Average Height: | 3.48363 ft |

**Method: janbu simplified**

| FS | 1.099810 |
|---|---|
| Center: | 368.103, 304.774 |
| Radius: | 22.517 |
| Left Slip Surface Endpoint: | 358.432, 284.440 |
| Right Slip Surface Endpoint: | 389.212, 296.936 |
| Resisting Horizontal Force: | 10007.2 lb |
| Driving Horizontal Force: | 9099.03 lb |
| Total Slice Area: | 158.325 ft2 |
| Surface Horizontal Width: | 30.7808 ft |
| Surface Average Height: | 5.14362 ft |

## Cross Section B-B' - Master Scenario

**Method: bishop simplified**

| FS | 0.758037 |
|---|---|
| Center: | 246.841, 279.446 |
| Radius: | 64.511 |
| Left Slip Surface Endpoint: | 236.190, 215.820 |
| Right Slip Surface Endpoint: | 285.142, 227.536 |
| Left Slope Intercept: | 236.190 218.263 |
| Right Slope Intercept: | 285.142 227.536 |
| Resisting Moment: | 168807 lb-ft |
| Driving Moment: | 222690 lb-ft |
| Total Slice Area: | 198.541 ft2 |
| Surface Horizontal Width: | 48.9523 ft |
| Surface Average Height: | 4.0558 ft |

**Method: janbu simplified**

| FS | 0.726294 |
|---|---|
| Center: | 251.994, 251.661 |
| Radius: | 36.324 |
| Left Slip Surface Endpoint: | 241.283, 216.952 |
| Right Slip Surface Endpoint: | 277.263, 225.566 |
| Left Slope Intercept: | 241.283 218.954 |
| Right Slope Intercept: | 277.263 225.566 |
| Resisting Horizontal Force: | 1705.95 lb |
| Driving Horizontal Force: | 2348.85 lb |
| Total Slice Area: | 144.664 ft2 |
| Surface Horizontal Width: | 35.98 ft |
| Surface Average Height: | 4.02069 ft |

## Cross Section B-B' - Seismic

**Method: bishop simplified**

| FS | 0.330835 |
|---|---|
| Center: | 246.845, 279.965 |
| Radius: | 65.055 |
| Left Slip Surface Endpoint: | 236.107, 215.802 |
| Right Slip Surface Endpoint: | 285.470, 227.618 |
| Left Slope Intercept: | 236.107 218.251 |
| Right Slope Intercept: | 285.470 227.618 |
| Resisting Moment: | 152626 lb-ft |
| Driving Moment: | 461334 lb-ft |
| Total Slice Area: | 201.534 ft2 |
| Surface Horizontal Width: | 49.3632 ft |
| Surface Average Height: | 4.08268 ft |

**Method: janbu simplified**

| FS | 0.320817 |
|---|---|
| Center: | 246.845, 279.965 |
| Radius: | 65.055 |
| Left Slip Surface Endpoint: | 236.107, 215.802 |
| Right Slip Surface Endpoint: | 285.470, 227.618 |
| Left Slope Intercept: | 236.107 218.251 |
| Right Slope Intercept: | 285.470 227.618 |
| Resisting Horizontal Force: | 2218.36 lb |
| Driving Horizontal Force: | 6914.73 lb |
| Total Slice Area: | 201.534 ft2 |
| Surface Horizontal Width: | 49.3632 ft |
| Surface Average Height: | 4.08268 ft |

## Cross Section C-C' - Master Scenario

**Method: bishop simplified**

| FS | 0.903910 |
|---|---|
| Center: | 260.386, 391.659 |
| Radius: | 147.953 |
| Left Slip Surface Endpoint: | 281.697, 245.249 |
| Right Slip Surface Endpoint: | 346.347, 271.240 |
| Resisting Moment: | 995149 lb-ft |
| Driving Moment: | 1.10094e+06 lb-ft |
| Total Slice Area: | 198.155 ft2 |
| Surface Horizontal Width: | 64.6503 ft |
| Surface Average Height: | 3.06503 ft |

**Method: janbu simplified**

| FS | 0.884362 |
|---|---|
| Center: | 287.366, 319.855 |
| Radius: | 71.603 |
| Left Slip Surface Endpoint: | 290.272, 248.311 |
| Right Slip Surface Endpoint: | 336.007, 267.310 |
| Resisting Horizontal Force: | 4823.96 lb |
| Driving Horizontal Force: | 5454.74 lb |
| Total Slice Area: | 155.052 ft2 |
| Surface Horizontal Width: | 45.7354 ft |
| Surface Average Height: | 3.39021 ft |

## Cross Section C-C' - Seismic

**Method: bishop simplified**

| FS | 0.529124 |
|---|---|
| Center: | 259.297, 391.730 |
| Radius: | 148.409 |
| Left Slip Surface Endpoint: | 280.647, 244.864 |
| Right Slip Surface Endpoint: | 345.509, 270.929 |
| Resisting Moment: | 905999 lb-ft |
| Driving Moment: | 1.71226e+06 lb-ft |
| Total Slice Area: | 197.361 ft2 |
| Surface Horizontal Width: | 64.8611 ft |
| Surface Average Height: | 3.04282 ft |

**Method: janbu simplified**

| FS | 0.519857 |
|---|---|
| Center: | 261.149, 390.513 |
| Radius: | 146.577 |
| Left Slip Surface Endpoint: | 282.328, 245.474 |
| Right Slip Surface Endpoint: | 346.347, 271.240 |
| Resisting Horizontal Force: | 5539.81 lb |
| Driving Horizontal Force: | 10656.4 lb |
| Total Slice Area: | 195.302 ft2 |
| Surface Horizontal Width: | 64.019 ft |
| Surface Average Height: | 3.05069 ft |

## Cross Section D-D' - Master Scenario

**Method: bishop simplified**

| FS | 0.956465 |
|---|---|
| Center: | 480.394, 323.667 |
| Radius: | 71.315 |
| Left Slip Surface Endpoint: | 481.614, 252.362 |
| Right Slip Surface Endpoint: | 528.174, 270.725 |
| Resisting Moment: | 377970 lb-ft |
| Driving Moment: | 395173 lb-ft |
| Total Slice Area: | 153.738 ft2 |
| Surface Horizontal Width: | 46.5601 ft |
| Surface Average Height: | 3.30193 ft |

**Method: janbu simplified**

| FS | 0.928471 |
|---|---|
| Center: | 480.394, 323.667 |
| Radius: | 71.315 |
| Left Slip Surface Endpoint: | 481.614, 252.362 |
| Right Slip Surface Endpoint: | 528.174, 270.725 |
| Resisting Horizontal Force: | 4849.03 lb |
| Driving Horizontal Force: | 5222.59 lb |
| Total Slice Area: | 153.738 ft2 |
| Surface Horizontal Width: | 46.5601 ft |
| Surface Average Height: | 3.30193 ft |

## Cross Section D-D' - Seismic

**Method: bishop simplified**

| FS | 0.551661 |
|---|---|
| Center: | 454.601, 396.400 |
| Radius: | 148.374 |
| Left Slip Surface Endpoint: | 472.511, 249.111 |
| Right Slip Surface Endpoint: | 538.901, 274.300 |
| Resisting Moment: | 997676 lb-ft |
| Driving Moment: | 1.80849e+06 lb-ft |
| Total Slice Area: | 214.582 ft2 |
| Surface Horizontal Width: | 66.3903 ft |
| Surface Average Height: | 3.23212 ft |

**Method: janbu simplified**

| FS | 0.539656 |
|---|---|
| Center: | 482.389, 323.202 |
| Radius: | 70.144 |
| Left Slip Surface Endpoint: | 483.589, 253.068 |
| Right Slip Surface Endpoint: | 529.385, 271.128 |
| Resisting Horizontal Force: | 4398.56 lb |
| Driving Horizontal Force: | 8150.67 lb |
| Total Slice Area: | 152.188 ft2 |
| Surface Horizontal Width: | 45.7961 ft |
| Surface Average Height: | 3.32317 ft |

## Cross Section E-E' - Master Scenario

**Method: bishop simplified**

| FS | 0.771168 |
|---|---|
| Center: | 75.555, 876.396 |
| Radius: | 645.188 |
| Left Slip Surface Endpoint: | 296.274, 270.137 |
| Right Slip Surface Endpoint: | 393.675, 315.088 |
| Resisting Moment: | 5.79681e+06 lb-ft |
| Driving Moment: | 7.51692e+06 lb-ft |
| Total Slice Area: | 272.664 ft2 |
| Surface Horizontal Width: | 97.4017 ft |
| Surface Average Height: | 2.79938 ft |

**Method: janbu simplified**

| FS | 0.769353 |
|---|---|
| Center: | 75.555, 876.396 |
| Radius: | 645.188 |
| Left Slip Surface Endpoint: | 296.274, 270.137 |
| Right Slip Surface Endpoint: | 393.675, 315.088 |
| Resisting Horizontal Force: | 8108.63 lb |
| Driving Horizontal Force: | 10539.5 lb |
| Total Slice Area: | 272.664 ft2 |
| Surface Horizontal Width: | 97.4017 ft |
| Surface Average Height: | 2.79938 ft |

## Cross Section E-E' - Seismic

**Method: bishop simplified**

| FS | 0.463770 |
|---|---|
| Center: | 75.555, 876.396 |
| Radius: | 645.188 |
| Left Slip Surface Endpoint: | 296.274, 270.137 |
| Right Slip Surface Endpoint: | 393.675, 315.088 |
| Resisting Moment: | 5.17614e+06 lb-ft |
| Driving Moment: | 1.1161e+07 lb-ft |
| Total Slice Area: | 272.664 ft2 |
| Surface Horizontal Width: | 97.4017 ft |
| Surface Average Height: | 2.79938 ft |

**Method: janbu simplified**

| FS | 0.461880 |
|---|---|
| Center: | 75.555, 876.396 |
| Radius: | 645.188 |
| Left Slip Surface Endpoint: | 296.274, 270.137 |
| Right Slip Surface Endpoint: | 393.675, 315.088 |
| Resisting Horizontal Force: | 7236.92 lb |
| Driving Horizontal Force: | 15668.4 lb |
| Total Slice Area: | 272.664 ft2 |
| Surface Horizontal Width: | 97.4017 ft |
| Surface Average Height: | 2.79938 ft |

## Cross Section E-E' - Newmark

**Method: bishop simplified**

| Newmark Displacement (in) | 539.347000 |
|---|---|
| Center: | -122.509, 1632.616 |
| Radius: | 1422.198 |
| Left Slip Surface Endpoint: | 312.370, 278.539 |
| Right Slip Surface Endpoint: | 415.859, 316.256 |
| Resisting Moment: | 358523 lb-ft |
| Driving Moment: | 358523 lb-ft |
| Total Slice Area: | 212.548 ft2 |
| Surface Horizontal Width: | 45.4895 ft |
| Surface Average Height: | 4.67247 ft |

**Method: janbu simplified**

| Newmark Displacement (in) | 539.347000 |
|---|---|
| Center: | 16.022, 1197.108 |
| Radius: | 967.353 |
| Left Slip Surface Endpoint: | 301.968, 272.984 |
| Right Slip Surface Endpoint: | 415.859, 316.256 |
| Resisting Horizontal Force: | 12764.2 lb |
| Driving Horizontal Force: | 12764.2 lb |
| Total Slice Area: | 394.373 ft2 |
| Surface Horizontal Width: | 45.4895 ft |
| Surface Average Height: | 8.66955 ft |

## Cross Section F-F' - Master Scenario

**Method: bishop simplified**

| FS | 1.678520 |
|---|---|
| Center: | 26.157, 500.437 |
| Radius: | 217.578 |
| Left Slip Surface Endpoint: | 67.849, 286.891 |
| Right Slip Surface Endpoint: | 186.539, 353.407 |
| Resisting Moment: | 2.58224e+07 lb-ft |
| Driving Moment: | 1.5384e+07 lb-ft |
| Total Slice Area: | 1133.21 ft2 |
| Surface Horizontal Width: | 118.69 ft |
| Surface Average Height: | 9.54767 ft |

**Method: janbu simplified**

| FS | 1.616650 |
|---|---|
| Center: | 49.241, 453.421 |
| Radius: | 169.017 |
| Left Slip Surface Endpoint: | 63.519, 285.008 |
| Right Slip Surface Endpoint: | 185.116, 352.899 |
| Resisting Horizontal Force: | 132398 lb |
| Driving Horizontal Force: | 81896.4 lb |
| Total Slice Area: | 1495.29 ft2 |
| Surface Horizontal Width: | 121.597 ft |
| Surface Average Height: | 12.2971 ft |

## Cross Section F-F' - Seismic

**Method: bishop simplified**

| FS | 1.076840 |
|---|---|
| Center: | 25.838, 505.924 |
| Radius: | 223.163 |
| Left Slip Surface Endpoint: | 67.280, 286.644 |
| Right Slip Surface Endpoint: | 189.846, 354.588 |
| Resisting Moment: | 2.57438e+07 lb-ft |
| Driving Moment: | 2.39068e+07 lb-ft |
| Total Slice Area: | 1234.22 ft2 |
| Surface Horizontal Width: | 122.566 ft |
| Surface Average Height: | 10.0698 ft |

**Method: janbu simplified**

| FS | 1.029000 |
|---|---|
| Center: | 50.756, 458.180 |
| Radius: | 173.429 |
| Left Slip Surface Endpoint: | 64.114, 285.267 |
| Right Slip Surface Endpoint: | 189.846, 354.588 |
| Resisting Horizontal Force: | 130951 lb |
| Driving Horizontal Force: | 127260 lb |
| Total Slice Area: | 1653.76 ft2 |
| Surface Horizontal Width: | 125.732 ft |
| Surface Average Height: | 13.1531 ft |

## Cross Section G-G' - Master Scenario

**Method: bishop simplified**

| FS | 1.494300 |
|---|---|
| Center: | 123.162, 396.538 |
| Radius: | 104.282 |
| Left Slip Surface Endpoint: | 142.249, 294.018 |
| Right Slip Surface Endpoint: | 199.698, 325.708 |
| Resisting Moment: | 2.14081e+06 lb-ft |
| Driving Moment: | 1.43265e+06 lb-ft |
| Total Slice Area: | 226.53 ft2 |
| Surface Horizontal Width: | 57.4491 ft |
| Surface Average Height: | 3.94314 ft |

**Method: janbu simplified**

| FS | 1.450380 |
|---|---|
| Center: | 137.308, 366.525 |
| Radius: | 72.217 |
| Left Slip Surface Endpoint: | 143.906, 294.609 |
| Right Slip Surface Endpoint: | 195.492, 323.746 |
| Resisting Horizontal Force: | 18689.1 lb |
| Driving Horizontal Force: | 12885.6 lb |
| Total Slice Area: | 245.438 ft2 |
| Surface Horizontal Width: | 51.5855 ft |
| Surface Average Height: | 4.75789 ft |

## Cross Section G-G' - Seismic

**Method: bishop simplified**

| FS | 0.950407 |
|---|---|
| Center: | 121.045, 402.162 |
| Radius: | 110.577 |
| Left Slip Surface Endpoint: | 140.040, 293.228 |
| Right Slip Surface Endpoint: | 201.737, 326.557 |
| Resisting Moment: | 2.27665e+06 lb-ft |
| Driving Moment: | 2.39545e+06 lb-ft |
| Total Slice Area: | 257.332 ft2 |
| Surface Horizontal Width: | 61.6977 ft |
| Surface Average Height: | 4.17086 ft |

**Method: janbu simplified**

| FS | 0.919098 |
|---|---|
| Center: | 136.295, 371.902 |
| Radius: | 78.022 |
| Left Slip Surface Endpoint: | 142.572, 294.133 |
| Right Slip Surface Endpoint: | 198.938, 325.391 |
| Resisting Horizontal Force: | 19939 lb |
| Driving Horizontal Force: | 21694.1 lb |
| Total Slice Area: | 294.677 ft2 |
| Surface Horizontal Width: | 56.3651 ft |
| Surface Average Height: | 5.228 ft |

## Cross Section H-H' - Master Scenario

**Method: bishop simplified**

| FS | 1.028930 |
|---|---|
| Center: | 283.856, 307.990 |
| Radius: | 70.332 |
| Left Slip Surface Endpoint: | 282.991, 237.664 |
| Right Slip Surface Endpoint: | 330.145, 255.038 |
| Resisting Moment: | 381351 lb-ft |
| Driving Moment: | 370630 lb-ft |
| Total Slice Area: | 156.009 ft2 |
| Surface Horizontal Width: | 47.154 ft |
| Surface Average Height: | 3.3085 ft |

**Method: janbu simplified**

| FS | 0.999330 |
|---|---|
| Center: | 283.856, 307.990 |
| Radius: | 70.332 |
| Left Slip Surface Endpoint: | 282.991, 237.664 |
| Right Slip Surface Endpoint: | 330.145, 255.038 |
| Resisting Horizontal Force: | 5013.64 lb |
| Driving Horizontal Force: | 5017 lb |
| Total Slice Area: | 156.009 ft2 |
| Surface Horizontal Width: | 47.154 ft |
| Surface Average Height: | 3.3085 ft |

## Cross Section H-H' - Seismic

**Method: bishop simplified**

| FS | 0.582828 |
|---|---|
| Center: | 262.653, 374.132 |
| Radius: | 139.676 |
| Left Slip Surface Endpoint: | 275.011, 235.004 |
| Right Slip Surface Endpoint: | 339.509, 257.502 |
| Resisting Moment: | 944579 lb-ft |
| Driving Moment: | 1.62068e+06 lb-ft |
| Total Slice Area: | 212.395 ft2 |
| Surface Horizontal Width: | 64.4979 ft |
| Surface Average Height: | 3.29305 ft |

**Method: janbu simplified**

| FS | 0.568844 |
|---|---|
| Center: | 284.338, 308.034 |
| Radius: | 70.230 |
| Left Slip Surface Endpoint: | 283.429, 237.810 |
| Right Slip Surface Endpoint: | 330.542, 255.143 |
| Resisting Horizontal Force: | 4654.12 lb |
| Driving Horizontal Force: | 8181.72 lb |
| Total Slice Area: | 157.087 ft2 |
| Surface Horizontal Width: | 47.1129 ft |
| Surface Average Height: | 3.33427 ft |

## Cross Section I-I' - Master Scenario

**Method: bishop simplified**

| FS | 1.310640 |
|---|---|
| Center: | 153.456, 324.806 |
| Radius: | 50.137 |
| Left Slip Surface Endpoint: | 161.512, 275.320 |
| Right Slip Surface Endpoint: | 194.722, 296.329 |
| Resisting Moment: | 485578 lb-ft |
| Driving Moment: | 370488 lb-ft |
| Total Slice Area: | 118.238 ft2 |
| Surface Horizontal Width: | 33.2099 ft |
| Surface Average Height: | 3.56032 ft |

**Method: janbu simplified**

| FS | 1.250980 |
|---|---|
| Center: | 159.579, 311.914 |
| Radius: | 35.781 |
| Left Slip Surface Endpoint: | 163.090, 276.306 |
| Right Slip Surface Endpoint: | 191.136, 295.048 |
| Resisting Horizontal Force: | 6274.87 lb |
| Driving Horizontal Force: | 5015.97 lb |
| Total Slice Area: | 93.032 ft2 |
| Surface Horizontal Width: | 28.0459 ft |
| Surface Average Height: | 3.31713 ft |

## Cross Section I-I' - Seismic

**Method: bishop simplified**

| FS | 0.838609 |
|---|---|
| Center: | 144.781, 344.838 |
| Radius: | 71.531 |
| Left Slip Surface Endpoint: | 161.438, 275.274 |
| Right Slip Surface Endpoint: | 198.593, 297.712 |
| Resisting Moment: | 648659 lb-ft |
| Driving Moment: | 773494 lb-ft |
| Total Slice Area: | 128.071 ft2 |
| Surface Horizontal Width: | 37.1547 ft |
| Surface Average Height: | 3.44697 ft |

**Method: janbu simplified**

| FS | 0.790489 |
|---|---|
| Center: | 153.197, 324.109 |
| Radius: | 49.526 |
| Left Slip Surface Endpoint: | 161.438, 275.274 |
| Right Slip Surface Endpoint: | 194.029, 296.082 |
| Resisting Horizontal Force: | 6475.87 lb |
| Driving Horizontal Force: | 8192.24 lb |
| Total Slice Area: | 111.238 ft2 |
| Surface Horizontal Width: | 32.5906 ft |
| Surface Average Height: | 3.41321 ft |

# Global Minimum Support Data

## Cross Section A-A'

No Supports Present

## Cross Section B-B' - Master Scenario

**Method: bishop simplified**

Number of Supports: 13

| Mirafi 5XT | | | | | | |
|---|---|---|---|---|---|---|
| Support Type: Geosynthetic | | | | | | |
| **Start (x, y)** | **Length (ft)** | **L Inside SS (ft)** | **L Outside SS (ft)** | **Li (ft)** | **Lo (ft)** | **Force (lb)** |
| 815, 298.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 300.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 302.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 304.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 306.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 308.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 310.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 312.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 314.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 316.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 318.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 320.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 322.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |

**Method: janbu simplified**

Number of Supports: 13

| Mirafi 5XT | | | | | | |
|---|---|---|---|---|---|---|
| Support Type: Geosynthetic | | | | | | |
| **Start (x, y)** | **Length (ft)** | **L Inside SS (ft)** | **L Outside SS (ft)** | **Li (ft)** | **Lo (ft)** | **Force (lb)** |
| 815, 298.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 300.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 302.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 304.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 306.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 308.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 310.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 312.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 314.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 316.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 318.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 320.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 322.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |

## Cross Section B-B' - Seismic

**Method: bishop simplified**

Number of Supports: 13

| Mirafi 5XT | | | | | | |
|---|---|---|---|---|---|---|
| Support Type: Geosynthetic | | | | | | |
| **Start (x, y)** | **Length (ft)** | **L Inside SS (ft)** | **L Outside SS (ft)** | **Li (ft)** | **Lo (ft)** | **Force (lb)** |
| 815, 298.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 300.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 302.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 304.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 306.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 308.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 310.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 312.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 314.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 316.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 318.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 320.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 322.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |

**Method: janbu simplified**

Number of Supports: 13

| Mirafi 5XT | | | | | | |
|---|---|---|---|---|---|---|
| Support Type: Geosynthetic | | | | | | |
| **Start (x, y)** | **Length (ft)** | **L Inside SS (ft)** | **L Outside SS (ft)** | **Li (ft)** | **Lo (ft)** | **Force (lb)** |
| 815, 298.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 300.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 302.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 304.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 306.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 308.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 310.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 312.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 314.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 316.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 318.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 320.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 815, 322.612 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |

## Cross Section C-C'

No Supports Present

## Cross Section D-D' - Master Scenario

**Method: bishop simplified**

Number of Supports: 6

**Mirafi 5XT**

Support Type: Geosynthetic

| Start (x, y) | Length (ft) | L Inside SS (ft) | L Outside SS (ft) | Li (ft) | Lo (ft) | Force (lb) |
|---|---|---|---|---|---|---|
| 943, 320.849 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 943, 322.849 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 943, 324.849 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 943, 326.849 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 943, 328.849 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 943, 330.849 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |

**Method: janbu simplified**

Number of Supports: 6

**Mirafi 5XT**

Support Type: Geosynthetic

| Start (x, y) | Length (ft) | L Inside SS (ft) | L Outside SS (ft) | Li (ft) | Lo (ft) | Force (lb) |
|---|---|---|---|---|---|---|
| 943, 320.849 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 943, 322.849 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 943, 324.849 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 943, 326.849 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 943, 328.849 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 943, 330.849 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |

## Cross Section D-D' - Seismic

**Method: bishop simplified**

Number of Supports: 6

**Mirafi 5XT**

Support Type: Geosynthetic

| Start (x, y) | Length (ft) | L Inside SS (ft) | L Outside SS (ft) | Li (ft) | Lo (ft) | Force (lb) |
|---|---|---|---|---|---|---|
| 943, 320.849 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 943, 322.849 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 943, 324.849 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 943, 326.849 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 943, 328.849 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 943, 330.849 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |

**Method: janbu simplified**

Number of Supports: 6

**Mirafi 5XT**

Support Type: Geosynthetic

| Start (x, y) | Length (ft) | L Inside SS (ft) | L Outside SS (ft) | Li (ft) | Lo (ft) | Force (lb) |
|---|---|---|---|---|---|---|
| 943, 320.849 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 943, 322.849 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 943, 324.849 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 943, 326.849 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 943, 328.849 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 943, 330.849 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |

## Cross Section E-E'

No Supports Present

## Cross Section F-F'

No Supports Present

## Cross Section G-G'

No Supports Present

## Cross Section H-H'

No Supports Present

## Cross Section I-I' - Master Scenario

**Method: bishop simplified**

Number of Supports: 4

| Mirafi 5XT | | | | | | |
|---|---|---|---|---|---|---|
| Support Type: Geosynthetic | | | | | | |
| **Start (x, y)** | **Length (ft)** | **L Inside SS (ft)** | **L Outside SS (ft)** | **Li (ft)** | **Lo (ft)** | **Force (lb)** |
| 398, 332.256 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 398, 334.256 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 398, 336.256 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 398, 338.256 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |

**Method: janbu simplified**

Number of Supports: 4

| Mirafi 5XT | | | | | | |
|---|---|---|---|---|---|---|
| Support Type: Geosynthetic | | | | | | |
| **Start (x, y)** | **Length (ft)** | **L Inside SS (ft)** | **L Outside SS (ft)** | **Li (ft)** | **Lo (ft)** | **Force (lb)** |
| 398, 332.256 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 398, 334.256 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 398, 336.256 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 398, 338.256 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |

## Cross Section I-I' - Seismic

**Method: bishop simplified**

Number of Supports: 4

| Mirafi 5XT | | | | | | |
|---|---|---|---|---|---|---|
| Support Type: Geosynthetic | | | | | | |
| **Start (x, y)** | **Length (ft)** | **L Inside SS (ft)** | **L Outside SS (ft)** | **Li (ft)** | **Lo (ft)** | **Force (lb)** |
| 398, 332.256 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 398, 334.256 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 398, 336.256 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 398, 338.256 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |

**Method: janbu simplified**

Number of Supports: 4

| Mirafi 5XT | | | | | | |
|---|---|---|---|---|---|---|
| Support Type: Geosynthetic | | | | | | |
| **Start (x, y)** | **Length (ft)** | **L Inside SS (ft)** | **L Outside SS (ft)** | **Li (ft)** | **Lo (ft)** | **Force (lb)** |
| 398, 332.256 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 398, 334.256 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 398, 336.256 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 398, 338.256 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |

# Valid and Invalid Surfaces

## Cross Section A-A' - Master Scenario

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 3926 |
| Number of Invalid Surfaces: | 0 |

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 3925 |
| Number of Invalid Surfaces: | 1 |

**Error Codes**

Error Code -108 reported for 1 surface

## Cross Section A-A' - Seismic

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 4203 |
| Number of Invalid Surfaces: | 0 |

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 4163 |
| Number of Invalid Surfaces: | 40 |

**Error Codes**

Error Code -112 reported for 40 surfaces

## Cross Section B-B' - Master Scenario

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 8915 |
| Number of Invalid Surfaces: | 205 |

**Error Codes**

Error Code -112 reported for 205 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 9108 |
| Number of Invalid Surfaces: | 12 |

**Error Codes**

Error Code -108 reported for 12 surfaces

## Cross Section B-B' - Seismic

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 9570 |
| Number of Invalid Surfaces: | 93 |

**Error Codes**

Error Code -112 reported for 93 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 9620 |
| Number of Invalid Surfaces: | 43 |

**Error Codes**

Error Code -108 reported for 5 surfaces
Error Code -112 reported for 38 surfaces

## Cross Section C-C' - Master Scenario

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 8547 |
| Number of Invalid Surfaces: | 101 |

**Error Codes**

Error Code -112 reported for 101 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 8630 |
| Number of Invalid Surfaces: | 18 |

**Error Codes**

Error Code -108 reported for 9 surfaces
Error Code -111 reported for 9 surfaces

## Cross Section C-C' - Seismic

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 9623 |
| Number of Invalid Surfaces: | 51 |

**Error Codes**

Error Code -112 reported for 51 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 9609 |
| Number of Invalid Surfaces: | 65 |

**Error Codes**

Error Code -108 reported for 6 surfaces
Error Code -112 reported for 59 surfaces

## Cross Section D-D' - Master Scenario

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 9535 |
| Number of Invalid Surfaces: | 57 |

**Error Codes**

Error Code -112 reported for 57 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 9576 |
| Number of Invalid Surfaces: | 16 |

**Error Codes**

Error Code -108 reported for 8 surfaces
Error Code -111 reported for 8 surfaces

## Cross Section D-D' - Seismic

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 10170 |
| Number of Invalid Surfaces: | 23 |

**Error Codes**

Error Code -112 reported for 23 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 10157 |
| Number of Invalid Surfaces: | 36 |

**Error Codes**

Error Code -108 reported for 1 surface
Error Code -111 reported for 1 surface
Error Code -112 reported for 34 surfaces

## Cross Section E-E' - Master Scenario

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 10562 |
| Number of Invalid Surfaces: | 131 |

**Error Codes**

Error Code -112 reported for 131 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 10673 |
| Number of Invalid Surfaces: | 20 |

**Error Codes**

Error Code -108 reported for 19 surfaces
Error Code -111 reported for 1 surface

## Cross Section E-E' - Seismic

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 10594 |
| Number of Invalid Surfaces: | 308 |

**Error Codes**

Error Code -112 reported for 308 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 10724 |
| Number of Invalid Surfaces: | 178 |

**Error Codes**

Error Code -108 reported for 1 surface
Error Code -112 reported for 177 surfaces

## Cross Section E-E' - Newmark

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 14005 |
| Number of Invalid Surfaces: | 0 |

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 14005 |
| Number of Invalid Surfaces: | 0 |

## Cross Section F-F' - Master Scenario

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 13678 |
| Number of Invalid Surfaces: | 51 |

**Error Codes**

Error Code -112 reported for 51 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 13697 |
| Number of Invalid Surfaces: | 32 |

**Error Codes**

Error Code -108 reported for 11 surfaces
Error Code -111 reported for 21 surfaces

## Cross Section F-F' - Seismic

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 11819 |
| Number of Invalid Surfaces: | 7 |

**Error Codes**

Error Code -112 reported for 7 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 11583 |
| Number of Invalid Surfaces: | 243 |

**Error Codes**

Error Code -108 reported for 18 surfaces
Error Code -111 reported for 19 surfaces
Error Code -112 reported for 206 surfaces

## Cross Section G-G' - Master Scenario

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 8915 |
| Number of Invalid Surfaces: | 12 |

**Error Codes**

Error Code -112 reported for 12 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 8916 |
| Number of Invalid Surfaces: | 11 |

**Error Codes**

Error Code -108 reported for 3 surfaces
Error Code -111 reported for 8 surfaces

## Cross Section G-G' - Seismic

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 9541 |
| Number of Invalid Surfaces: | 2 |

**Error Codes**

Error Code -112 reported for 2 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 9532 |
| Number of Invalid Surfaces: | 11 |

**Error Codes**

Error Code -108 reported for 2 surfaces
Error Code -112 reported for 9 surfaces

## Cross Section H-H' - Master Scenario

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 8702 |
| Number of Invalid Surfaces: | 114 |

**Error Codes**

Error Code -112 reported for 114 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 8786 |
| Number of Invalid Surfaces: | 30 |

**Error Codes**

Error Code -108 reported for 30 surfaces

## Cross Section H-H' - Seismic

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 7872 |
| Number of Invalid Surfaces: | 113 |

**Error Codes**

Error Code -112 reported for 113 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 7964 |
| Number of Invalid Surfaces: | 21 |

**Error Codes**

Error Code -108 reported for 3 surfaces
Error Code -112 reported for 18 surfaces

## Cross Section I-I' - Master Scenario

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 8255 |
| Number of Invalid Surfaces: | 29 |

**Error Codes**

Error Code -112 reported for 29 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 8276 |
| Number of Invalid Surfaces: | 8 |

**Error Codes**

Error Code -108 reported for 3 surfaces
Error Code -111 reported for 4 surfaces
Error Code -112 reported for 1 surface

## Cross Section I-I' - Seismic

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 9386 |
| Number of Invalid Surfaces: | 7 |
| **Error Codes** | |
| Error Code -112 reported for 7 surfaces | |

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 9336 |
| Number of Invalid Surfaces: | 57 |
| **Error Codes** | |
| Error Code -108 reported for 4 surfaces | |
| Error Code -112 reported for 53 surfaces | |

## Error Code Descriptions

The following errors were encountered during the computation:

-108 = Total driving moment or total driving force < 0.1. This is to limit the calculation of extremely high safety factors if the driving force is very small (0.1 is an arbitrary number).

-111 = Safety factor equation did not converge

-112 = The coefficient M-Alpha = cos(alpha)(1+tan(alpha)tan(phi)/F) < 0.2 for the final iteration of the safety factor calculation. This screens out some slip surfaces which may not be valid in the context of the analysis, in particular, deep seated slip surfaces with many high negative base angle slices in the passive zone.

# Slice Data

## Cross Section A-A' - Master Scenario

### Global Minimum Query (bishop simplified) - Safety Factor: 2.0461

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.643699 | 13.9211 | -11.4649 | D-VD SAND | 0 | 38 | 4.40464 | 9.01234 | 22.5181 | 10.9828 | 11.5353 | 21.6248 | 10.642 |
| 2 | 0.643699 | 41.2192 | -10.2558 | D-VD SAND | 0 | 38 | 17.0819 | 34.9512 | 67.1188 | 22.3832 | 44.7356 | 64.0281 | 41.6449 |
| 3 | 0.643699 | 67.4355 | -9.05117 | D-VD SAND | 0 | 38 | 29.2091 | 59.7648 | 109.405 | 32.9098 | 76.4954 | 104.752 | 71.8424 |
| 4 | 0.643699 | 92.5815 | -7.85061 | D-VD SAND | 0 | 38 | 40.8073 | 83.4959 | 149.442 | 42.5717 | 106.87 | 143.815 | 101.243 |
| 5 | 0.643699 | 116.667 | -6.65351 | D-VD SAND | 0 | 38 | 51.8953 | 106.183 | 187.286 | 51.3771 | 135.908 | 181.232 | 129.855 |
| 6 | 0.643699 | 139.701 | -5.45932 | D-VD SAND | 0 | 38 | 62.4901 | 127.861 | 222.988 | 59.3328 | 163.655 | 217.015 | 157.683 |
| 7 | 0.643699 | 161.69 | -4.26751 | D-VD SAND | 0 | 38 | 72.6074 | 148.562 | 256.595 | 66.4443 | 190.15 | 251.177 | 184.732 |
| 8 | 0.643699 | 182.64 | -3.07754 | D-VD SAND | 0 | 38 | 82.2604 | 168.313 | 288.147 | 72.7163 | 215.431 | 283.725 | 211.008 |
| 9 | 0.643699 | 202.554 | -1.88891 | D-VD SAND | 0 | 38 | 91.4623 | 187.141 | 317.681 | 78.1519 | 239.529 | 314.664 | 236.513 |
| 10 | 0.643699 | 221.436 | -0.701083 | D-VD SAND | 0 | 38 | 100.224 | 205.068 | 345.229 | 82.7535 | 262.475 | 344.002 | 261.249 |
| 11 | 0.643699 | 239.287 | 0.486439 | D-VD SAND | 0 | 38 | 108.556 | 222.116 | 370.817 | 86.5222 | 284.295 | 371.738 | 285.216 |
| 12 | 0.643699 | 256.107 | 1.67417 | D-VD SAND | 0 | 38 | 116.466 | 238.302 | 394.471 | 89.4582 | 305.013 | 397.875 | 308.417 |
| 13 | 0.643699 | 271.895 | 2.86262 | D-VD SAND | 0 | 38 | 123.964 | 253.643 | 416.209 | 91.5605 | 324.648 | 422.408 | 330.847 |
| 14 | 0.643699 | 286.648 | 4.05231 | D-VD SAND | 0 | 38 | 131.057 | 268.155 | 436.049 | 92.8269 | 343.222 | 445.334 | 352.507 |
| 15 | 0.643699 | 300.363 | 5.24375 | D-VD SAND | 0 | 38 | 137.75 | 281.85 | 454.005 | 93.2544 | 360.751 | 466.648 | 373.393 |
| 16 | 0.643699 | 313.034 | 6.43747 | D-VD SAND | 0 | 38 | 144.049 | 294.739 | 470.088 | 92.8387 | 377.249 | 486.341 | 393.502 |
| 17 | 0.643699 | 324.655 | 7.634 | D-VD SAND | 0 | 38 | 149.96 | 306.833 | 484.303 | 91.5744 | 392.728 | 504.402 | 412.828 |
| 18 | 0.643699 | 335.217 | 8.8339 | D-VD SAND | 0 | 38 | 155.486 | 318.139 | 496.655 | 89.4548 | 407.2 | 520.819 | 431.365 |
| 19 | 0.643699 | 344.71 | 10.0377 | D-VD SAND | 0 | 38 | 160.63 | 328.665 | 507.145 | 86.4722 | 420.672 | 535.577 | 449.105 |
| 20 | 0.643699 | 353.124 | 11.246 | D-VD SAND | 0 | 38 | 165.396 | 338.416 | 515.77 | 82.6174 | 433.152 | 548.657 | 466.04 |
| 21 | 0.643699 | 360.445 | 12.4594 | D-VD SAND | 0 | 38 | 169.784 | 347.396 | 522.528 | 77.8801 | 444.648 | 560.042 | 482.162 |
| 22 | 0.643699 | 366.66 | 13.6785 | D-VD SAND | 0 | 38 | 173.798 | 355.609 | 527.407 | 72.2483 | 455.158 | 569.705 | 497.457 |
| 23 | 0.643699 | 371.75 | 14.904 | D-VD SAND | 0 | 38 | 177.438 | 363.056 | 530.399 | 65.7087 | 464.69 | 577.625 | 511.916 |
| 24 | 0.643699 | 375.698 | 16.1365 | D-VD SAND | 0 | 38 | 180.703 | 369.736 | 531.487 | 58.2463 | 473.241 | 583.769 | 525.522 |
| 25 | 0.643699 | 378.484 | 17.3767 | D-VD SAND | 0 | 38 | 183.594 | 375.651 | 530.655 | 49.8444 | 480.811 | 588.108 | 538.264 |
| 26 | 0.643699 | 383.126 | 18.6253 | D-VD SAND | 0 | 38 | 187.708 | 384.069 | 532.069 | 40.4844 | 491.585 | 595.332 | 554.848 |
| 27 | 0.643699 | 389.433 | 19.8832 | D-VD SAND | 0 | 38 | 192.917 | 394.727 | 535.373 | 30.1457 | 505.227 | 605.144 | 574.999 |
| 28 | 0.643699 | 394.5 | 21.1512 | D-VD SAND | 0 | 38 | 197.694 | 404.502 | 536.544 | 18.8056 | 517.739 | 613.031 | 594.226 |
| 29 | 0.643699 | 398.296 | 22.4302 | D-VD SAND | 0 | 38 | 202.035 | 413.384 | 535.547 | 6.43877 | 529.108 | 618.944 | 612.505 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 0.662951 | 412.791 | 23.7405 | D-VD SAND | 0 | 38 | 203.633 | 416.654 | 533.292 | 0 | 533.292 | 622.853 | 622.853 |
| 31 | 0.662951 | 413.964 | 25.0837 | D-VD SAND | 0 | 38 | 202.345 | 414.018 | 529.918 | 0 | 529.918 | 624.633 | 624.633 |
| 32 | 0.662951 | 413.621 | 26.4418 | D-VD SAND | 0 | 38 | 200.284 | 409.802 | 524.522 | 0 | 524.522 | 624.127 | 624.127 |
| 33 | 0.662951 | 411.708 | 27.8161 | D-VD SAND | 0 | 38 | 197.443 | 403.988 | 517.081 | 0 | 517.081 | 621.252 | 621.252 |
| 34 | 0.662951 | 408.167 | 29.208 | D-VD SAND | 0 | 38 | 193.81 | 396.555 | 507.567 | 0 | 507.567 | 615.92 | 615.92 |
| 35 | 0.662951 | 402.932 | 30.6192 | D-VD SAND | 0 | 38 | 189.374 | 387.478 | 495.949 | 0 | 495.949 | 608.03 | 608.03 |
| 36 | 0.662951 | 395.928 | 32.0512 | D-VD SAND | 0 | 38 | 184.121 | 376.73 | 482.193 | 0 | 482.193 | 597.473 | 597.473 |
| 37 | 0.662951 | 387.074 | 33.506 | D-VD SAND | 0 | 38 | 178.036 | 364.28 | 466.256 | 0 | 466.256 | 584.123 | 584.123 |
| 38 | 0.662951 | 376.276 | 34.9857 | D-VD SAND | 0 | 38 | 171.102 | 350.091 | 448.096 | 0 | 448.096 | 567.839 | 567.839 |
| 39 | 0.662951 | 363.428 | 36.4927 | D-VD SAND | 0 | 38 | 163.298 | 334.124 | 427.658 | 0 | 427.658 | 548.46 | 548.46 |
| 40 | 0.662951 | 348.41 | 38.0297 | D-VD SAND | 0 | 38 | 154.603 | 316.334 | 404.889 | 0 | 404.889 | 525.808 | 525.808 |
| 41 | 0.662951 | 331.292 | 39.5996 | D-VD SAND | 0 | 38 | 145.085 | 296.859 | 379.962 | 0 | 379.962 | 499.985 | 499.985 |
| 42 | 0.662951 | 313.145 | 41.206 | D-VD SAND | 0 | 38 | 135.243 | 276.721 | 354.187 | 0 | 354.187 | 472.609 | 472.609 |
| 43 | 0.662951 | 292.623 | 42.8529 | D-VD SAND | 0 | 38 | 124.526 | 254.793 | 326.121 | 0 | 326.121 | 441.647 | 441.647 |
| 44 | 0.662951 | 269.237 | 44.545 | D-VD SAND | 0 | 38 | 112.78 | 230.759 | 295.358 | 0 | 295.358 | 406.361 | 406.361 |
| 45 | 0.662951 | 242.549 | 46.2879 | D-VD SAND | 0 | 38 | 99.8915 | 204.388 | 261.605 | 0 | 261.605 | 366.091 | 366.091 |
| 46 | 0.662951 | 206.599 | 48.0882 | D-VD SAND | 0 | 38 | 83.5365 | 170.924 | 218.774 | 0 | 218.774 | 311.838 | 311.838 |
| 47 | 0.662951 | 164.059 | 49.9541 | D-VD SAND | 0 | 38 | 65.0188 | 133.035 | 170.277 | 0 | 170.277 | 247.638 | 247.638 |
| 48 | 0.485462 | 89.4147 | 51.6258 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 96.978 | 198.427 | 61.9832 | 0 | 61.9832 | 184.452 | 184.452 |
| 49 | 0.485462 | 59.5326 | 53.0928 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 79.7015 | 163.077 | 16.7381 | 0 | 16.7381 | 122.863 | 122.863 |
| 50 | 0.666259 | 30.2384 | 54.9074 | New Structural Fill | 100 | 34 | 43.4796 | 88.9637 | -16.3619 | 0 | -16.3619 | 45.5204 | 45.5204 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.87283

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.645455 | 20.4418 | -24.7324 | D-VD SAND | 0 | 38 | 7.99357 | 14.9706 | 35.3524 | 16.191 | 19.1614 | 31.6703 | 15.4793 |
| 2 | 0.645455 | 60.4179 | -22.993 | D-VD SAND | 0 | 38 | 28.33 | 53.0572 | 105.626 | 37.7162 | 67.9101 | 93.605 | 55.8888 |
| 3 | 0.645455 | 98.6133 | -21.2757 | D-VD SAND | 0 | 38 | 47.3045 | 88.5933 | 171.201 | 57.8067 | 113.395 | 152.781 | 94.9745 |
| 4 | 0.645455 | 135.092 | -19.5782 | D-VD SAND | 0 | 38 | 65.0433 | 121.815 | 232.43 | 76.5143 | 155.916 | 209.297 | 132.783 |
| 5 | 0.645455 | 169.91 | -17.8985 | D-VD SAND | 0 | 38 | 81.6508 | 152.918 | 289.611 | 93.884 | 195.727 | 263.241 | 169.357 |
| 6 | 0.645455 | 203.116 | -16.2345 | D-VD SAND | 0 | 38 | 97.2165 | 182.07 | 342.994 | 109.955 | 233.039 | 314.687 | 204.732 |
| 7 | 0.645455 | 234.754 | -14.5845 | D-VD SAND | 0 | 38 | 111.815 | 209.411 | 392.796 | 124.763 | 268.033 | 363.703 | 238.94 |
| 8 | 0.645455 | 264.859 | -12.9468 | D-VD SAND | 0 | 38 | 125.511 | 235.06 | 439.198 | 138.336 | 300.862 | 410.344 | 272.008 |
| 9 | 0.645455 | 293.464 | -11.3198 | D-VD SAND | 0 | 38 | 138.357 | 259.12 | 482.359 | 150.7 | 331.659 | 454.663 | 303.963 |
| 10 | 0.645455 | 320.597 | -9.70199 | D-VD SAND | 0 | 38 | 150.404 | 281.681 | 522.413 | 161.878 | 360.535 | 496.699 | 334.821 |
| 11 | 0.645455 | 346.279 | -8.09196 | D-VD SAND | 0 | 38 | 161.69 | 302.818 | 559.477 | 171.888 | 387.589 | 536.488 | 364.6 |
| 12 | 0.645455 | 370.531 | -6.48835 | D-VD SAND | 0 | 38 | 172.252 | 322.598 | 593.65 | 180.745 | 412.905 | 574.06 | 393.315 |
| 13 | 0.645455 | 393.367 | -4.88983 | D-VD SAND | 0 | 38 | 182.119 | 341.078 | 625.021 | 188.461 | 436.56 | 609.441 | 420.98 |
| 14 | 0.645455 | 414.8 | -3.29511 | D-VD SAND | 0 | 38 | 191.32 | 358.309 | 653.661 | 195.047 | 458.614 | 642.646 | 447.599 |
| 15 | 0.645455 | 434.837 | -1.70295 | D-VD SAND | 0 | 38 | 199.875 | 374.332 | 679.632 | 200.509 | 479.123 | 673.69 | 473.181 |
| 16 | 0.645455 | 453.484 | -0.11211 | D-VD SAND | 0 | 38 | 207.806 | 389.186 | 702.986 | 204.851 | 498.135 | 702.579 | 497.728 |
| 17 | 0.645455 | 470.742 | 1.47865 | D-VD SAND | 0 | 38 | 215.13 | 402.902 | 723.764 | 208.074 | 515.69 | 729.317 | 521.243 |
| 18 | 0.645455 | 486.611 | 3.07055 | D-VD SAND | 0 | 38 | 221.86 | 415.507 | 742.002 | 210.177 | 531.825 | 753.903 | 543.726 |
| 19 | 0.645455 | 501.085 | 4.66482 | D-VD SAND | 0 | 38 | 228.01 | 427.024 | 757.723 | 211.158 | 546.565 | 776.328 | 565.17 |
| 20 | 0.645455 | 514.157 | 6.26273 | D-VD SAND | 0 | 38 | 233.588 | 437.471 | 770.946 | 211.008 | 559.938 | 796.581 | 585.573 |
| 21 | 0.645455 | 525.815 | 7.86555 | D-VD SAND | 0 | 38 | 238.604 | 446.865 | 781.679 | 209.719 | 571.96 | 814.642 | 604.923 |
| 22 | 0.645455 | 536.045 | 9.4746 | D-VD SAND | 0 | 38 | 243.062 | 455.214 | 789.928 | 207.28 | 582.648 | 830.492 | 623.212 |
| 23 | 0.645455 | 544.828 | 11.0912 | D-VD SAND | 0 | 38 | 246.968 | 462.529 | 795.686 | 203.675 | 592.011 | 844.1 | 640.425 |
| 24 | 0.645455 | 552.142 | 12.7168 | D-VD SAND | 0 | 38 | 250.323 | 468.813 | 798.94 | 198.886 | 600.054 | 855.43 | 656.544 |
| 25 | 0.645455 | 557.98 | 14.353 | D-VD SAND | 0 | 38 | 253.142 | 474.091 | 799.7 | 192.892 | 606.808 | 864.474 | 671.582 |
| 26 | 0.645455 | 565.715 | 16.0011 | D-VD SAND | 0 | 38 | 257.385 | 482.039 | 802.65 | 185.668 | 616.982 | 876.46 | 690.792 |
| 27 | 0.645455 | 574.394 | 17.663 | D-VD SAND | 0 | 38 | 262.46 | 491.543 | 806.33 | 177.184 | 629.146 | 889.905 | 712.721 |
| 28 | 0.645455 | 581.467 | 19.3404 | D-VD SAND | 0 | 38 | 266.896 | 499.851 | 807.187 | 167.407 | 639.78 | 900.864 | 733.457 |
| 29 | 0.645455 | 586.887 | 21.0353 | D-VD SAND | 0 | 38 | 270.686 | 506.949 | 805.162 | 156.297 | 648.865 | 909.26 | 752.963 |
| 30 | 0.645455 | 590.598 | 22.7496 | D-VD SAND | 0 | 38 | 273.82 | 512.819 | 800.191 | 143.812 | 656.379 | 915.011 | 771.199 |
| 31 | 0.645455 | 592.539 | 24.4858 | D-VD SAND | 0 | 38 | 276.286 | 517.437 | 792.188 | 129.9 | 662.288 | 918.016 | 788.116 |
| 32 | 0.645455 | 592.636 | 26.2463 | D-VD SAND | 0 | 38 | 278.068 | 520.774 | 781.062 | 114.502 | 666.56 | 918.168 | 803.666 |
| 33 | 0.645455 | 590.807 | 28.0339 | D-VD SAND | 0 | 38 | 279.146 | 522.793 | 766.698 | 97.5533 | 669.145 | 915.335 | 817.781 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 0.645455 | 586.958 | 29.8518 | D-VD SAND | 0 | 38 | 279.498 | 523.452 | 748.965 | 78.9765 | 669.988 | 909.371 | 830.394 |
| 35 | 0.645455 | 580.978 | 31.7035 | D-VD SAND | 0 | 38 | 279.096 | 522.7 | 727.71 | 58.6833 | 669.026 | 900.106 | 841.423 |
| 36 | 0.645455 | 572.741 | 33.5929 | D-VD SAND | 0 | 38 | 277.909 | 520.477 | 702.751 | 36.5713 | 666.18 | 887.344 | 850.773 |
| 37 | 0.645455 | 562.098 | 35.5248 | D-VD SAND | 0 | 38 | 275.897 | 516.709 | 673.88 | 12.5211 | 661.359 | 870.855 | 858.334 |
| 38 | 0.643621 | 547.337 | 37.5015 | D-VD SAND | 0 | 38 | 268.734 | 503.293 | 644.185 | 0 | 644.185 | 850.403 | 850.403 |
| 39 | 0.643621 | 531.425 | 39.5292 | D-VD SAND | 0 | 38 | 256.239 | 479.893 | 614.234 | 0 | 614.234 | 825.681 | 825.681 |
| 40 | 0.643621 | 512.505 | 41.6181 | D-VD SAND | 0 | 38 | 242.362 | 453.903 | 580.969 | 0 | 580.969 | 796.285 | 796.285 |
| 41 | 0.643621 | 490.323 | 43.7771 | D-VD SAND | 0 | 38 | 227.049 | 425.224 | 544.263 | 0 | 544.263 | 761.821 | 761.821 |
| 42 | 0.643621 | 465.684 | 46.0173 | D-VD SAND | 0 | 38 | 210.743 | 394.686 | 505.175 | 0 | 505.175 | 723.538 | 723.538 |
| 43 | 0.643621 | 437.461 | 48.3526 | D-VD SAND | 0 | 38 | 193.007 | 361.47 | 462.661 | 0 | 462.661 | 679.689 | 679.689 |
| 44 | 0.643621 | 404.517 | 50.8007 | D-VD SAND | 0 | 38 | 173.463 | 324.867 | 415.811 | 0 | 415.811 | 628.503 | 628.503 |
| 45 | 0.643621 | 366.071 | 53.385 | D-VD SAND | 0 | 38 | 151.96 | 284.596 | 364.266 | 0 | 364.266 | 568.77 | 568.77 |
| 46 | 0.643621 | 318.19 | 56.1379 | D-VD SAND | 0 | 38 | 127.174 | 238.175 | 304.85 | 0 | 304.85 | 494.376 | 494.376 |
| 47 | 0.643621 | 256.897 | 59.1058 | D-VD SAND | 0 | 38 | 98.1087 | 183.741 | 235.178 | 0 | 235.178 | 399.143 | 399.143 |
| 48 | 0.643621 | 185.064 | 62.3598 | D-VD SAND | 0 | 38 | 66.7653 | 125.04 | 160.043 | 0 | 160.043 | 287.536 | 287.536 |
| 49 | 0.56012 | 88.5136 | 65.7498 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 75.8106 | 141.98 | -10.2646 | 0 | -10.2646 | 158.027 | 158.027 |
| 50 | 0.322303 | 14.33 | 68.5144 | New Structural Fill | 100 | 34 | 36.2449 | 67.8805 | -47.6191 | 0 | -47.6191 | 44.4617 | 44.4617 |

## Cross Section A-A' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 1.22156

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.184288 | 1.15214 | -11.7644 | D-VD SAND | 0 | 38 | 4.61209 | 5.63394 | 7.21114 | 0 | 7.21114 | 6.25061 | 6.25061 |
| 2 | 0.645215 | 21.8265 | -10.9623 | D-VD SAND | 0 | 38 | 20.497 | 25.0383 | 37.7933 | 5.74572 | 32.0475 | 33.8231 | 28.0773 |
| 3 | 0.645215 | 48.7837 | -9.71763 | D-VD SAND | 0 | 38 | 42.2362 | 51.5941 | 82.8319 | 16.7946 | 66.0373 | 75.599 | 58.8044 |
| 4 | 0.645215 | 74.6258 | -8.4776 | D-VD SAND | 0 | 38 | 62.7112 | 76.6055 | 124.995 | 26.9446 | 98.0506 | 115.648 | 88.7034 |
| 5 | 0.645215 | 99.3642 | -7.24156 | D-VD SAND | 0 | 38 | 81.9952 | 100.162 | 164.407 | 36.2053 | 128.202 | 153.989 | 117.783 |
| 6 | 0.645215 | 123.009 | -6.00889 | D-VD SAND | 0 | 38 | 100.153 | 122.343 | 201.176 | 44.5844 | 156.592 | 190.634 | 146.05 |
| 7 | 0.645215 | 145.568 | -4.77902 | D-VD SAND | 0 | 38 | 117.243 | 143.219 | 235.401 | 52.0886 | 183.312 | 225.599 | 173.51 |
| 8 | 0.645215 | 167.048 | -3.55135 | D-VD SAND | 0 | 38 | 133.316 | 162.853 | 267.166 | 58.7231 | 208.443 | 258.892 | 200.169 |
| 9 | 0.645215 | 187.454 | -2.32531 | D-VD SAND | 0 | 38 | 148.418 | 181.302 | 296.548 | 64.4921 | 232.056 | 290.522 | 226.029 |
| 10 | 0.645215 | 206.789 | -1.10033 | D-VD SAND | 0 | 38 | 162.592 | 198.616 | 323.615 | 69.3984 | 254.217 | 320.493 | 251.094 |
| 11 | 0.645215 | 225.056 | 0.124141 | D-VD SAND | 0 | 38 | 175.874 | 214.841 | 348.427 | 73.4436 | 274.984 | 348.808 | 275.365 |
| 12 | 0.645215 | 242.256 | 1.34867 | D-VD SAND | 0 | 38 | 188.299 | 230.018 | 371.039 | 76.6283 | 294.41 | 375.472 | 298.844 |
| 13 | 0.645215 | 258.386 | 2.57382 | D-VD SAND | 0 | 38 | 199.894 | 244.183 | 391.493 | 78.9516 | 312.541 | 400.478 | 321.527 |
| 14 | 0.645215 | 273.446 | 3.80014 | D-VD SAND | 0 | 38 | 210.69 | 257.37 | 409.83 | 80.4118 | 329.418 | 423.824 | 343.413 |
| 15 | 0.645215 | 287.431 | 5.02821 | D-VD SAND | 0 | 38 | 220.708 | 269.608 | 426.087 | 81.0056 | 345.082 | 445.506 | 364.501 |
| 16 | 0.645215 | 300.335 | 6.25861 | D-VD SAND | 0 | 38 | 229.971 | 280.923 | 440.293 | 80.7289 | 359.564 | 465.514 | 384.785 |
| 17 | 0.645215 | 312.153 | 7.49191 | D-VD SAND | 0 | 38 | 238.497 | 291.339 | 452.473 | 79.576 | 372.897 | 483.838 | 404.262 |
| 18 | 0.645215 | 322.874 | 8.72871 | D-VD SAND | 0 | 38 | 246.306 | 300.878 | 462.648 | 77.5401 | 385.108 | 500.464 | 422.924 |
| 19 | 0.645215 | 332.49 | 9.96963 | D-VD SAND | 0 | 38 | 253.413 | 309.559 | 470.831 | 74.613 | 396.218 | 515.376 | 440.763 |
| 20 | 0.645215 | 340.988 | 11.2153 | D-VD SAND | 0 | 38 | 259.83 | 317.398 | 477.036 | 70.785 | 406.251 | 528.556 | 457.771 |
| 21 | 0.645215 | 348.355 | 12.4663 | D-VD SAND | 0 | 38 | 265.57 | 324.41 | 481.271 | 66.0452 | 415.226 | 539.983 | 473.937 |
| 22 | 0.645215 | 354.574 | 13.7235 | D-VD SAND | 0 | 38 | 270.643 | 330.607 | 483.539 | 60.3808 | 423.158 | 549.632 | 489.252 |
| 23 | 0.645215 | 359.629 | 14.9874 | D-VD SAND | 0 | 38 | 275.059 | 336.001 | 483.84 | 53.7777 | 430.062 | 557.477 | 503.699 |
| 24 | 0.645215 | 363.499 | 16.2588 | D-VD SAND | 0 | 38 | 278.824 | 340.6 | 482.168 | 46.2197 | 435.948 | 563.484 | 517.264 |
| 25 | 0.645215 | 366.235 | 17.5385 | D-VD SAND | 0 | 38 | 282.005 | 344.486 | 478.61 | 37.6889 | 440.921 | 567.734 | 530.045 |
| 26 | 0.645215 | 371.497 | 18.8273 | D-VD SAND | 0 | 38 | 287.604 | 351.325 | 477.842 | 28.1653 | 449.676 | 575.903 | 547.738 |
| 27 | 0.645215 | 377.616 | 20.1261 | D-VD SAND | 0 | 38 | 294.184 | 359.363 | 477.59 | 17.6265 | 459.963 | 585.398 | 567.771 |
| 28 | 0.645215 | 382.444 | 21.4358 | D-VD SAND | 0 | 38 | 300.002 | 366.471 | 475.11 | 6.0479 | 469.062 | 592.895 | 586.847 |
| 29 | 0.639447 | 382.488 | 22.7513 | D-VD SAND | 0 | 38 | 301.743 | 368.597 | 471.782 | 0 | 471.782 | 598.322 | 598.322 |
| 30 | 0.639447 | 384.604 | 24.0737 | D-VD SAND | 0 | 38 | 299.28 | 365.588 | 467.931 | 0 | 467.931 | 601.641 | 601.641 |
| 31 | 0.639447 | 385.354 | 25.4099 | D-VD SAND | 0 | 38 | 295.708 | 361.225 | 462.347 | 0 | 462.347 | 602.822 | 602.822 |
| 32 | 0.639447 | 384.693 | 26.7611 | D-VD SAND | 0 | 38 | 291.03 | 355.511 | 455.034 | 0 | 455.034 | 601.796 | 601.796 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 0.639447 | 382.571 | 28.1286 | D-VD SAND | 0 | 38 | 285.248 | 348.448 | 445.993 | 0 | 445.993 | 598.484 | 598.484 |
| 34 | 0.639447 | 378.932 | 29.5137 | D-VD SAND | 0 | 38 | 278.361 | 340.035 | 435.225 | 0 | 435.225 | 592.802 | 592.802 |
| 35 | 0.639447 | 373.716 | 30.9181 | D-VD SAND | 0 | 38 | 270.366 | 330.268 | 422.723 | 0 | 422.723 | 584.65 | 584.65 |
| 36 | 0.639447 | 366.852 | 32.3434 | D-VD SAND | 0 | 38 | 261.258 | 319.142 | 408.484 | 0 | 408.484 | 573.921 | 573.921 |
| 37 | 0.639447 | 358.263 | 33.7916 | D-VD SAND | 0 | 38 | 251.032 | 306.651 | 392.495 | 0 | 392.495 | 560.493 | 560.493 |
| 38 | 0.639447 | 347.862 | 35.2647 | D-VD SAND | 0 | 38 | 239.68 | 292.784 | 374.746 | 0 | 374.746 | 544.228 | 544.228 |
| 39 | 0.639447 | 335.549 | 36.7651 | D-VD SAND | 0 | 38 | 227.196 | 277.533 | 355.225 | 0 | 355.225 | 524.974 | 524.974 |
| 40 | 0.639447 | 321.212 | 38.2955 | D-VD SAND | 0 | 38 | 213.565 | 260.883 | 333.914 | 0 | 333.914 | 502.551 | 502.551 |
| 41 | 0.639447 | 304.752 | 39.8589 | D-VD SAND | 0 | 38 | 198.799 | 242.845 | 310.827 | 0 | 310.827 | 476.807 | 476.807 |
| 42 | 0.639447 | 287.152 | 41.4589 | D-VD SAND | 0 | 38 | 183.605 | 224.285 | 287.072 | 0 | 287.072 | 449.277 | 449.277 |
| 43 | 0.639447 | 267.67 | 43.0994 | D-VD SAND | 0 | 38 | 167.569 | 204.696 | 261.999 | 0 | 261.999 | 418.804 | 418.804 |
| 44 | 0.639447 | 245.513 | 44.7851 | D-VD SAND | 0 | 38 | 150.287 | 183.585 | 234.977 | 0 | 234.977 | 384.142 | 384.142 |
| 45 | 0.639447 | 220.44 | 46.5217 | D-VD SAND | 0 | 38 | 131.744 | 160.933 | 205.985 | 0 | 205.985 | 344.919 | 344.919 |
| 46 | 0.639447 | 189.753 | 48.3158 | D-VD SAND | 0 | 38 | 110.518 | 135.004 | 172.797 | 0 | 172.797 | 296.908 | 296.908 |
| 47 | 0.639447 | 149.949 | 50.1755 | D-VD SAND | 0 | 38 | 84.9283 | 103.745 | 132.788 | 0 | 132.788 | 234.633 | 234.633 |
| 48 | 0.481503 | 82.7949 | 51.8626 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 128.353 | 156.791 | 8.69193 | 0 | 8.69193 | 172.167 | 172.167 |
| 49 | 0.481503 | 53.0337 | 53.3681 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 103.944 | 126.974 | -29.4717 | 0 | -29.4717 | 110.327 | 110.327 |
| 50 | 0.568741 | 22.2156 | 55.0764 | New Structural Fill | 100 | 34 | 57.7897 | 70.5936 | -43.5967 | 0 | -43.5967 | 39.1701 | 39.1701 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.09981

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0979856 | 0.478039 | -25.2994 | D-VD SAND | 0 | 38 | 5.21768 | 5.73846 | 7.34489 | 0 | 7.34489 | 4.87857 | 4.87857 |
| 2 | 0.630658 | 25.4418 | -24.2812 | D-VD SAND | 0 | 38 | 31.0065 | 34.1013 | 54.329 | 10.6812 | 43.6478 | 40.3412 | 29.66 |
| 3 | 0.630658 | 63.1533 | -22.5323 | D-VD SAND | 0 | 38 | 69.2955 | 76.2119 | 128.886 | 31.3397 | 97.5468 | 100.138 | 68.7979 |
| 4 | 0.630658 | 99.1667 | -20.8052 | D-VD SAND | 0 | 38 | 103.767 | 114.124 | 196.67 | 50.5981 | 146.071 | 157.241 | 106.643 |
| 5 | 0.630658 | 133.542 | -19.0977 | D-VD SAND | 0 | 38 | 134.95 | 148.419 | 258.473 | 68.5059 | 189.967 | 211.748 | 143.242 |
| 6 | 0.630658 | 166.332 | -17.4077 | D-VD SAND | 0 | 38 | 163.262 | 179.557 | 314.93 | 85.1065 | 229.823 | 263.743 | 178.636 |
| 7 | 0.630658 | 197.582 | -15.7332 | D-VD SAND | 0 | 38 | 189.041 | 207.909 | 366.549 | 100.437 | 266.112 | 313.294 | 212.857 |
| 8 | 0.630658 | 227.333 | -14.0723 | D-VD SAND | 0 | 38 | 212.559 | 233.774 | 413.749 | 114.532 | 299.217 | 360.467 | 245.935 |
| 9 | 0.630658 | 255.617 | -12.4235 | D-VD SAND | 0 | 38 | 234.04 | 257.4 | 456.874 | 127.417 | 329.457 | 405.317 | 277.9 |
| 10 | 0.630658 | 282.465 | -10.7851 | D-VD SAND | 0 | 38 | 253.672 | 278.991 | 496.21 | 139.119 | 357.091 | 447.888 | 308.769 |
| 11 | 0.630658 | 307.903 | -9.15551 | D-VD SAND | 0 | 38 | 271.609 | 298.718 | 531.998 | 149.657 | 382.341 | 488.223 | 338.566 |
| 12 | 0.630658 | 331.95 | -7.5334 | D-VD SAND | 0 | 38 | 287.982 | 316.725 | 564.439 | 159.049 | 405.39 | 526.355 | 367.306 |
| 13 | 0.630658 | 354.625 | -5.91734 | D-VD SAND | 0 | 38 | 302.903 | 333.136 | 593.703 | 167.309 | 426.394 | 562.308 | 394.999 |
| 14 | 0.630658 | 375.941 | -4.306 | D-VD SAND | 0 | 38 | 316.467 | 348.054 | 619.937 | 174.449 | 445.488 | 596.109 | 421.66 |
| 15 | 0.630658 | 395.908 | -2.69807 | D-VD SAND | 0 | 38 | 328.755 | 361.568 | 643.261 | 180.476 | 462.785 | 627.769 | 447.293 |
| 16 | 0.630658 | 414.533 | -1.09226 | D-VD SAND | 0 | 38 | 339.836 | 373.755 | 663.781 | 185.397 | 478.384 | 657.302 | 471.905 |
| 17 | 0.630658 | 431.82 | 0.512683 | D-VD SAND | 0 | 38 | 349.77 | 384.681 | 681.583 | 189.215 | 492.368 | 684.713 | 495.498 |
| 18 | 0.630658 | 447.769 | 2.11803 | D-VD SAND | 0 | 38 | 358.609 | 394.402 | 696.742 | 191.93 | 504.812 | 710.004 | 518.074 |
| 19 | 0.630658 | 462.379 | 3.72505 | D-VD SAND | 0 | 38 | 366.398 | 402.968 | 709.315 | 193.54 | 515.775 | 733.17 | 539.63 |
| 20 | 0.630658 | 475.642 | 5.33501 | D-VD SAND | 0 | 38 | 373.174 | 410.42 | 719.352 | 194.04 | 525.312 | 754.201 | 560.161 |
| 21 | 0.630658 | 487.551 | 6.94921 | D-VD SAND | 0 | 38 | 378.968 | 416.793 | 726.894 | 193.423 | 533.471 | 773.085 | 579.662 |
| 22 | 0.630658 | 498.092 | 8.56898 | D-VD SAND | 0 | 38 | 383.811 | 422.119 | 731.966 | 191.678 | 540.288 | 789.799 | 598.121 |
| 23 | 0.630658 | 507.249 | 10.1957 | D-VD SAND | 0 | 38 | 387.723 | 426.422 | 734.589 | 188.793 | 545.796 | 804.321 | 615.528 |
| 24 | 0.630658 | 515.004 | 11.8307 | D-VD SAND | 0 | 38 | 390.725 | 429.723 | 734.772 | 184.751 | 550.021 | 816.618 | 631.867 |
| 25 | 0.630658 | 521.333 | 13.4756 | D-VD SAND | 0 | 38 | 392.831 | 432.04 | 732.519 | 179.533 | 552.986 | 826.652 | 647.119 |
| 26 | 0.630658 | 526.832 | 15.132 | D-VD SAND | 0 | 38 | 394.645 | 434.034 | 728.654 | 173.116 | 555.538 | 835.374 | 662.258 |
| 27 | 0.630658 | 535.101 | 16.8013 | D-VD SAND | 0 | 38 | 399.507 | 439.382 | 727.857 | 165.473 | 562.384 | 848.485 | 683.012 |
| 28 | 0.630658 | 542.645 | 18.4855 | D-VD SAND | 0 | 38 | 404.06 | 444.389 | 725.365 | 156.572 | 568.793 | 860.448 | 703.876 |
| 29 | 0.630658 | 548.62 | 20.1865 | D-VD SAND | 0 | 38 | 407.55 | 448.228 | 720.084 | 146.378 | 573.706 | 869.924 | 723.546 |
| 30 | 0.630658 | 552.978 | 21.9062 | D-VD SAND | 0 | 38 | 409.977 | 450.897 | 711.972 | 134.85 | 577.122 | 876.833 | 741.983 |
| 31 | 0.630658 | 555.66 | 23.647 | D-VD SAND | 0 | 38 | 411.337 | 452.392 | 700.976 | 121.941 | 579.035 | 881.087 | 759.146 |
| 32 | 0.630658 | 556.601 | 25.4113 | D-VD SAND | 0 | 38 | 411.619 | 452.703 | 687.029 | 107.596 | 579.433 | 882.58 | 774.984 |
| 33 | 0.630658 | 555.726 | 27.2018 | D-VD SAND | 0 | 38 | 410.811 | 451.814 | 670.048 | 91.7535 | 578.295 | 881.192 | 789.439 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 0.630658 | 552.948 | 29.0216 | D-VD SAND | 0 | 38 | 408.892 | 449.703 | 649.936 | 74.3425 | 575.594 | 876.789 | 802.447 |
| 35 | 0.630658 | 548.169 | 30.874 | D-VD SAND | 0 | 38 | 405.836 | 446.342 | 626.573 | 55.2806 | 571.293 | 869.211 | 813.931 |
| 36 | 0.630658 | 541.271 | 32.7631 | D-VD SAND | 0 | 38 | 401.612 | 441.697 | 599.819 | 34.4725 | 565.347 | 858.275 | 823.802 |
| 37 | 0.630658 | 532.121 | 34.6932 | D-VD SAND | 0 | 38 | 396.18 | 435.723 | 569.507 | 11.8072 | 557.7 | 843.766 | 831.959 |
| 38 | 0.652143 | 538.047 | 36.704 | D-VD SAND | 0 | 38 | 383.18 | 421.425 | 539.399 | 0 | 539.399 | 825.054 | 825.054 |
| 39 | 0.652143 | 522.807 | 38.8037 | D-VD SAND | 0 | 38 | 362.455 | 398.632 | 510.226 | 0 | 510.226 | 801.686 | 801.686 |
| 40 | 0.652143 | 504.433 | 40.9673 | D-VD SAND | 0 | 38 | 339.86 | 373.781 | 478.418 | 0 | 478.418 | 773.513 | 773.513 |
| 41 | 0.652143 | 482.613 | 43.2045 | D-VD SAND | 0 | 38 | 315.332 | 346.805 | 443.89 | 0 | 443.89 | 740.053 | 740.053 |
| 42 | 0.652143 | 457.108 | 45.5272 | D-VD SAND | 0 | 38 | 288.898 | 317.733 | 406.68 | 0 | 406.68 | 700.944 | 700.944 |
| 43 | 0.652143 | 428.654 | 47.9505 | D-VD SAND | 0 | 38 | 261.213 | 287.285 | 367.707 | 0 | 367.707 | 657.311 | 657.311 |
| 44 | 0.652143 | 395.573 | 50.4937 | D-VD SAND | 0 | 38 | 231.475 | 254.579 | 325.846 | 0 | 325.846 | 606.585 | 606.585 |
| 45 | 0.652143 | 356.695 | 53.1827 | D-VD SAND | 0 | 38 | 199.364 | 219.262 | 280.642 | 0 | 280.642 | 546.969 | 546.969 |
| 46 | 0.652143 | 310.837 | 56.0533 | D-VD SAND | 0 | 38 | 164.746 | 181.189 | 231.912 | 0 | 231.912 | 476.648 | 476.648 |
| 47 | 0.652143 | 251.503 | 59.1578 | D-VD SAND | 0 | 38 | 125.118 | 137.606 | 176.127 | 0 | 176.127 | 385.664 | 385.664 |
| 48 | 0.652143 | 177.211 | 62.5783 | D-VD SAND | 0 | 38 | 81.4797 | 89.6122 | 114.699 | 0 | 114.699 | 271.743 | 271.743 |
| 49 | 0.551565 | 77.4492 | 66.1134 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 90.6818 | 99.7328 | -64.3391 | 0 | -64.3391 | 140.425 | 140.425 |
| 50 | 0.253969 | 9.01605 | 68.7377 | New Structural Fill | 100 | 34 | 43.7485 | 48.115 | -76.9226 | 0 | -76.9226 | 35.5048 | 35.5048 |

## Cross Section B-B' - Master Scenario

### Global Minimum Query (bishop simplified) - Safety Factor: 0.758037

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.978267 | 164.794 | -9.06308 | Landslide Debris | 0 | 20 | 3.65493 | 2.77057 | 169.037 | 161.425 | 7.61203 | 168.454 | 7.02903 |
| 2 | 0.978267 | 195.409 | -8.18426 | Landslide Debris | 0 | 20 | 10.7182 | 8.12479 | 201.29 | 178.968 | 22.3224 | 199.749 | 20.7809 |
| 3 | 0.978267 | 224.527 | -7.30737 | Landslide Debris | 0 | 20 | 17.3747 | 13.1707 | 231.742 | 195.555 | 36.187 | 229.514 | 33.959 |
| 4 | 0.978267 | 252.158 | -6.4322 | Landslide Debris | 0 | 20 | 23.637 | 17.9177 | 260.423 | 211.194 | 49.2288 | 257.758 | 46.564 |
| 5 | 0.978267 | 278.31 | -5.55854 | Landslide Debris | 0 | 20 | 29.5162 | 22.3744 | 287.363 | 225.89 | 61.473 | 284.49 | 58.6005 |
| 6 | 0.978267 | 302.989 | -4.68617 | Landslide Debris | 0 | 20 | 35.0235 | 26.5491 | 312.59 | 239.646 | 72.9437 | 309.719 | 70.0728 |
| 7 | 0.978267 | 326.203 | -3.81488 | Landslide Debris | 0 | 20 | 40.1686 | 30.4493 | 336.126 | 252.467 | 83.6587 | 333.447 | 80.9802 |
| 8 | 0.978267 | 347.955 | -2.94449 | Landslide Debris | 0 | 20 | 44.9607 | 34.0819 | 357.996 | 264.357 | 93.6392 | 355.684 | 91.3266 |
| 9 | 0.978267 | 368.25 | -2.07477 | Landslide Debris | 0 | 20 | 49.4088 | 37.4537 | 378.22 | 275.316 | 102.904 | 376.43 | 101.114 |
| 10 | 0.978267 | 387.091 | -1.20552 | Landslide Debris | 0 | 20 | 53.5209 | 40.5708 | 396.816 | 285.348 | 111.468 | 395.69 | 110.342 |
| 11 | 0.978267 | 404.479 | -0.336561 | Landslide Debris | 0 | 20 | 57.3043 | 43.4388 | 413.801 | 294.454 | 119.347 | 413.464 | 119.01 |
| 12 | 0.978267 | 420.416 | 0.532325 | Landslide Debris | 0 | 20 | 60.7664 | 46.0632 | 429.191 | 302.634 | 126.557 | 429.756 | 127.122 |
| 13 | 0.978267 | 434.901 | 1.40133 | Landslide Debris | 0 | 20 | 63.9138 | 48.449 | 443 | 309.888 | 133.112 | 444.563 | 134.675 |
| 14 | 0.978267 | 447.934 | 2.27067 | Landslide Debris | 0 | 20 | 66.7525 | 50.6009 | 455.24 | 316.215 | 139.025 | 457.886 | 141.671 |
| 15 | 0.978267 | 459.511 | 3.14052 | Landslide Debris | 0 | 20 | 69.2884 | 52.5232 | 465.92 | 321.614 | 144.306 | 469.722 | 148.108 |
| 16 | 0.978267 | 469.631 | 4.0111 | Landslide Debris | 0 | 20 | 71.527 | 54.2201 | 475.052 | 326.083 | 148.969 | 480.068 | 153.985 |
| 17 | 0.978267 | 478.288 | 4.88261 | Landslide Debris | 0 | 20 | 73.4731 | 55.6953 | 482.641 | 329.62 | 153.021 | 488.918 | 159.298 |
| 18 | 0.978267 | 485.478 | 5.75525 | Landslide Debris | 0 | 20 | 75.1317 | 56.9526 | 488.696 | 332.22 | 156.476 | 496.268 | 164.048 |
| 19 | 0.978267 | 491.195 | 6.62924 | Landslide Debris | 0 | 20 | 76.507 | 57.9951 | 493.221 | 333.881 | 159.34 | 502.113 | 168.232 |
| 20 | 0.978267 | 495.728 | 7.50478 | Landslide Debris | 0 | 20 | 77.7407 | 58.9303 | 496.506 | 334.597 | 161.909 | 506.747 | 172.15 |
| 21 | 0.978267 | 499.448 | 8.38208 | Landslide Debris | 0 | 20 | 79.0068 | 59.8901 | 498.909 | 334.362 | 164.547 | 510.55 | 176.188 |
| 22 | 0.978267 | 501.694 | 9.26137 | Landslide Debris | 0 | 20 | 80.0069 | 60.6482 | 499.802 | 333.172 | 166.63 | 512.848 | 179.676 |
| 23 | 0.978267 | 502.431 | 10.1429 | Landslide Debris | 0 | 20 | 80.7323 | 61.1981 | 499.159 | 331.019 | 168.14 | 513.602 | 182.583 |
| 24 | 0.978267 | 501.646 | 11.0268 | Landslide Debris | 0 | 20 | 81.1861 | 61.5421 | 496.98 | 327.895 | 169.085 | 512.8 | 184.905 |
| 25 | 0.978267 | 499.326 | 11.9134 | Landslide Debris | 0 | 20 | 81.3712 | 61.6824 | 493.262 | 323.792 | 169.47 | 510.43 | 186.638 |
| 26 | 0.978267 | 495.457 | 12.8029 | Landslide Debris | 0 | 20 | 81.2902 | 61.621 | 488.003 | 318.7 | 169.303 | 506.476 | 187.776 |
| 27 | 0.978267 | 490.809 | 13.6955 | Landslide Debris | 0 | 20 | 81.2913 | 61.6218 | 481.915 | 312.61 | 169.305 | 501.725 | 189.115 |
| 28 | 0.978267 | 489.694 | 14.5916 | Landslide Debris | 0 | 20 | 83.2585 | 63.113 | 478.912 | 305.511 | 173.401 | 500.586 | 195.075 |
| 29 | 0.978267 | 487.9 | 15.4913 | Landslide Debris | 0 | 20 | 85.3293 | 64.6828 | 475.105 | 297.39 | 177.715 | 498.755 | 201.365 |
| 30 | 0.978267 | 484.485 | 16.395 | Landslide Debris | 0 | 20 | 87.1005 | 66.0254 | 469.638 | 288.234 | 181.404 | 495.264 | 207.03 |
| 31 | 0.978267 | 479.425 | 17.3028 | Landslide Debris | 0 | 20 | 88.5735 | 67.142 | 462.501 | 278.03 | 184.471 | 490.093 | 212.063 |
| 32 | 0.978267 | 472.697 | 18.2152 | Landslide Debris | 0 | 20 | 89.7498 | 68.0337 | 453.683 | 266.762 | 186.921 | 483.218 | 216.456 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 0.978267 | 464.276 | 19.1324 | Landslide Debris | 0 | 20 | 90.6309 | 68.7016 | 443.169 | 254.413 | 188.756 | 474.61 | 220.197 |
| 34 | 0.978267 | 454.133 | 20.0547 | Landslide Debris | 0 | 20 | 91.2176 | 69.1463 | 430.944 | 240.967 | 189.977 | 464.244 | 223.277 |
| 35 | 0.978267 | 442.24 | 20.9824 | Landslide Debris | 0 | 20 | 91.5106 | 69.3684 | 416.992 | 226.403 | 190.589 | 452.087 | 225.684 |
| 36 | 0.978267 | 428.562 | 21.916 | Landslide Debris | 0 | 20 | 91.5106 | 69.3684 | 401.29 | 210.702 | 190.588 | 438.107 | 227.405 |
| 37 | 0.978267 | 413.067 | 22.8557 | Landslide Debris | 0 | 20 | 91.2177 | 69.1464 | 383.819 | 193.841 | 189.978 | 422.268 | 228.427 |
| 38 | 0.978267 | 395.717 | 23.802 | Landslide Debris | 0 | 20 | 90.6323 | 68.7026 | 364.556 | 175.797 | 188.759 | 404.533 | 228.736 |
| 39 | 0.978267 | 376.471 | 24.7552 | Landslide Debris | 0 | 20 | 89.7541 | 68.0369 | 343.474 | 156.544 | 186.93 | 384.861 | 228.317 |
| 40 | 0.978267 | 355.286 | 25.7158 | Landslide Debris | 0 | 20 | 88.5827 | 67.149 | 320.545 | 136.054 | 184.491 | 363.207 | 227.153 |
| 41 | 0.978267 | 332.117 | 26.6842 | Landslide Debris | 0 | 20 | 87.1178 | 66.0385 | 295.737 | 114.299 | 181.438 | 339.523 | 225.224 |
| 42 | 0.978267 | 306.912 | 27.6609 | Landslide Debris | 0 | 20 | 85.3584 | 64.7048 | 269.02 | 91.2445 | 177.775 | 313.759 | 222.515 |
| 43 | 0.978267 | 279.618 | 28.6464 | Landslide Debris | 0 | 20 | 83.3036 | 63.1472 | 240.353 | 66.8576 | 173.496 | 285.859 | 219.002 |
| 44 | 0.978267 | 250.175 | 29.6412 | Landslide Debris | 0 | 20 | 80.9521 | 61.3647 | 209.698 | 41.1006 | 168.598 | 255.763 | 214.662 |
| 45 | 0.978267 | 218.522 | 30.646 | Landslide Debris | 0 | 20 | 78.3028 | 59.3564 | 177.013 | 13.9329 | 163.08 | 223.406 | 209.473 |
| 46 | 0.986053 | 185.911 | 31.6655 | Landslide Debris | 0 | 20 | 69.8541 | 52.952 | 145.484 | 0 | 145.484 | 188.569 | 188.569 |
| 47 | 0.986053 | 149.023 | 32.7003 | Landslide Debris | 0 | 20 | 55.4759 | 42.0528 | 115.539 | 0 | 115.539 | 151.154 | 151.154 |
| 48 | 0.986053 | 109.64 | 33.7473 | Landslide Debris | 0 | 20 | 40.4276 | 30.6456 | 84.1982 | 0 | 84.1982 | 111.208 | 111.208 |
| 49 | 0.986053 | 67.6699 | 34.8073 | Landslide Debris | 0 | 20 | 24.7087 | 18.7301 | 51.4605 | 0 | 51.4605 | 68.6381 | 68.6381 |
| 50 | 0.986053 | 23.0131 | 35.881 | Landslide Debris | 0 | 20 | 8.31859 | 6.3058 | 17.3251 | 0 | 17.3251 | 23.3425 | 23.3425 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.726294

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.71673 | 101.499 | -16.561 | Landslide Debris | 0 | 20 | 4.13093 | 3.00027 | 142.847 | 134.604 | 8.24344 | 141.619 | 7.01502 |
| 2 | 0.71673 | 124.847 | -15.385 | Landslide Debris | 0 | 20 | 12.0478 | 8.75026 | 177.518 | 153.477 | 24.0406 | 174.203 | 20.7255 |
| 3 | 0.71673 | 147.064 | -14.2155 | Landslide Debris | 0 | 20 | 19.4255 | 14.1086 | 210.127 | 171.364 | 38.7635 | 205.206 | 33.8425 |
| 4 | 0.71673 | 168.167 | -13.0521 | Landslide Debris | 0 | 20 | 26.2933 | 19.0967 | 240.75 | 188.282 | 52.4682 | 234.655 | 46.3727 |
| 5 | 0.71673 | 188.174 | -11.8942 | Landslide Debris | 0 | 20 | 32.6784 | 23.7341 | 269.455 | 204.246 | 65.2092 | 262.572 | 58.3262 |
| 6 | 0.71673 | 207.099 | -10.7412 | Landslide Debris | 0 | 20 | 38.6041 | 28.0379 | 296.301 | 219.267 | 77.034 | 288.978 | 69.711 |
| 7 | 0.71673 | 224.954 | -9.59251 | Landslide Debris | 0 | 20 | 44.0921 | 32.0238 | 321.343 | 233.358 | 87.9849 | 313.891 | 80.5332 |
| 8 | 0.71673 | 241.752 | -8.44774 | Landslide Debris | 0 | 20 | 49.1616 | 35.7058 | 344.629 | 246.528 | 98.1007 | 337.327 | 90.7993 |
| 9 | 0.71673 | 257.503 | -7.30636 | Landslide Debris | 0 | 20 | 53.8304 | 39.0967 | 366.203 | 258.785 | 107.418 | 359.301 | 100.516 |
| 10 | 0.71673 | 272.214 | -6.16789 | Landslide Debris | 0 | 20 | 58.1143 | 42.2081 | 386.105 | 270.138 | 115.967 | 379.824 | 109.686 |
| 11 | 0.71673 | 285.894 | -5.03186 | Landslide Debris | 0 | 20 | 62.0279 | 45.0505 | 404.368 | 280.593 | 123.775 | 398.907 | 118.314 |
| 12 | 0.71673 | 298.548 | -3.89781 | Landslide Debris | 0 | 20 | 65.5842 | 47.6334 | 421.027 | 290.155 | 130.872 | 416.558 | 126.403 |
| 13 | 0.71673 | 310.181 | -2.76529 | Landslide Debris | 0 | 20 | 68.7951 | 49.9655 | 436.108 | 298.828 | 137.28 | 432.785 | 133.957 |
| 14 | 0.71673 | 320.796 | -1.63385 | Landslide Debris | 0 | 20 | 71.6719 | 52.0549 | 449.635 | 306.616 | 143.019 | 447.591 | 140.975 |
| 15 | 0.71673 | 330.397 | -0.503042 | Landslide Debris | 0 | 20 | 74.2243 | 53.9087 | 461.632 | 313.519 | 148.113 | 460.98 | 147.461 |
| 16 | 0.71673 | 338.983 | 0.627566 | Landslide Debris | 0 | 20 | 76.4617 | 55.5337 | 472.118 | 319.54 | 152.578 | 472.955 | 153.415 |
| 17 | 0.71673 | 346.556 | 1.75842 | Landslide Debris | 0 | 20 | 78.3922 | 56.9358 | 481.108 | 324.678 | 156.43 | 483.515 | 158.837 |
| 18 | 0.71673 | 353.113 | 2.88996 | Landslide Debris | 0 | 20 | 80.0237 | 58.1207 | 488.617 | 328.932 | 159.685 | 492.656 | 163.724 |
| 19 | 0.71673 | 358.652 | 4.02263 | Landslide Debris | 0 | 20 | 81.3629 | 59.0934 | 494.657 | 332.299 | 162.358 | 500.379 | 168.08 |
| 20 | 0.71673 | 363.369 | 5.15687 | Landslide Debris | 0 | 20 | 82.5496 | 59.9553 | 499.503 | 334.778 | 164.725 | 506.953 | 172.175 |
| 21 | 0.71673 | 367.392 | 6.29315 | Landslide Debris | 0 | 20 | 83.674 | 60.7719 | 503.333 | 336.363 | 166.97 | 512.561 | 176.198 |
| 22 | 0.71673 | 370.388 | 7.43192 | Landslide Debris | 0 | 20 | 84.5205 | 61.3867 | 505.708 | 337.05 | 168.658 | 516.734 | 179.684 |
| 23 | 0.71673 | 372.344 | 8.57365 | Landslide Debris | 0 | 20 | 85.0906 | 61.8008 | 506.627 | 336.83 | 169.797 | 519.455 | 182.625 |
| 24 | 0.71673 | 373.252 | 9.71882 | Landslide Debris | 0 | 20 | 85.3888 | 62.0174 | 506.089 | 335.698 | 170.391 | 520.714 | 185.016 |
| 25 | 0.71673 | 373.1 | 10.8679 | Landslide Debris | 0 | 20 | 85.4193 | 62.0395 | 504.097 | 333.645 | 170.452 | 520.497 | 186.852 |
| 26 | 0.71673 | 371.878 | 12.0215 | Landslide Debris | 0 | 20 | 85.1856 | 61.8698 | 500.645 | 330.659 | 169.986 | 518.785 | 188.126 |
| 27 | 0.71673 | 369.572 | 13.18 | Landslide Debris | 0 | 20 | 84.6912 | 61.5107 | 495.729 | 326.729 | 169 | 515.562 | 188.833 |
| 28 | 0.71673 | 366.168 | 14.344 | Landslide Debris | 0 | 20 | 83.9386 | 60.9641 | 489.341 | 321.844 | 167.497 | 510.806 | 188.962 |
| 29 | 0.71673 | 361.649 | 15.5142 | Landslide Debris | 0 | 20 | 82.9309 | 60.2322 | 481.473 | 315.987 | 165.486 | 504.494 | 188.507 |
| 30 | 0.71673 | 357.509 | 16.6909 | Landslide Debris | 0 | 20 | 82.5887 | 59.9837 | 473.948 | 309.144 | 164.804 | 498.711 | 189.567 |
| 31 | 0.71673 | 354.351 | 17.875 | Landslide Debris | 0 | 20 | 83.2623 | 60.4729 | 467.444 | 301.296 | 166.148 | 494.297 | 193.001 |
| 32 | 0.71673 | 350.032 | 19.0671 | Landslide Debris | 0 | 20 | 83.6521 | 60.756 | 459.35 | 292.425 | 166.925 | 488.263 | 195.838 |
| 33 | 0.71673 | 344.512 | 20.2678 | Landslide Debris | 0 | 20 | 83.7498 | 60.827 | 449.628 | 282.507 | 167.121 | 480.555 | 198.048 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 0.71673 | 337.764 | 21.4778 | Landslide Debris | 0 | 20 | 83.5564 | 60.6865 | 438.255 | 271.52 | 166.735 | 471.131 | 199.611 |
| 35 | 0.71673 | 329.757 | 22.698 | Landslide Debris | 0 | 20 | 83.0723 | 60.3349 | 425.207 | 259.438 | 165.769 | 459.953 | 200.515 |
| 36 | 0.71673 | 320.459 | 23.9292 | Landslide Debris | 0 | 20 | 82.2975 | 59.7722 | 410.454 | 246.231 | 164.223 | 446.973 | 200.742 |
| 37 | 0.71673 | 309.832 | 25.1722 | Landslide Debris | 0 | 20 | 81.2318 | 58.9982 | 393.963 | 231.867 | 162.096 | 432.14 | 200.273 |
| 38 | 0.71673 | 297.838 | 26.428 | Landslide Debris | 0 | 20 | 79.8744 | 58.0123 | 375.701 | 216.313 | 159.388 | 415.4 | 199.087 |
| 39 | 0.71673 | 284.431 | 27.6977 | Landslide Debris | 0 | 20 | 78.2242 | 56.8138 | 355.624 | 199.529 | 156.095 | 396.689 | 197.16 |
| 40 | 0.71673 | 269.562 | 28.9824 | Landslide Debris | 0 | 20 | 76.2799 | 55.4016 | 333.687 | 181.473 | 152.214 | 375.939 | 194.466 |
| 41 | 0.71673 | 253.179 | 30.2832 | Landslide Debris | 0 | 20 | 74.0393 | 53.7743 | 309.841 | 162.097 | 147.744 | 353.077 | 190.98 |
| 42 | 0.71673 | 235.22 | 31.6015 | Landslide Debris | 0 | 20 | 71.5002 | 51.9302 | 284.027 | 141.35 | 142.677 | 328.017 | 186.667 |
| 43 | 0.71673 | 215.619 | 32.9387 | Landslide Debris | 0 | 20 | 68.6602 | 49.8675 | 256.183 | 119.173 | 137.01 | 300.667 | 181.494 |
| 44 | 0.71673 | 194.301 | 34.2965 | Landslide Debris | 0 | 20 | 65.5159 | 47.5838 | 226.238 | 95.5023 | 130.736 | 270.924 | 175.422 |
| 45 | 0.71673 | 171.184 | 35.6766 | Landslide Debris | 0 | 20 | 62.064 | 45.0767 | 194.111 | 70.2645 | 123.847 | 238.671 | 168.406 |
| 46 | 0.71673 | 146.174 | 37.0811 | Landslide Debris | 0 | 20 | 58.3005 | 42.3433 | 159.716 | 43.3783 | 116.338 | 203.778 | 160.4 |
| 47 | 0.71673 | 119.165 | 38.5121 | Landslide Debris | 0 | 20 | 54.2213 | 39.3806 | 122.949 | 14.7518 | 108.197 | 166.097 | 151.345 |
| 48 | 0.764551 | 94.9251 | 40.0219 | Landslide Debris | 0 | 20 | 43.7418 | 31.7694 | 87.2857 | 0 | 87.2857 | 124.018 | 124.018 |
| 49 | 0.764551 | 59.0318 | 41.6159 | Landslide Debris | 0 | 20 | 26.7425 | 19.4229 | 53.3641 | 0 | 53.3641 | 77.1205 | 77.1205 |
| 50 | 0.764551 | 20.1876 | 43.2504 | Landslide Debris | 0 | 20 | 8.98179 | 6.52342 | 17.9229 | 0 | 17.9229 | 26.3722 | 26.3722 |

# Cross Section B-B' - Seismic

## Global Minimum Query (bishop simplified) - Safety Factor: 0.330835

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.985756 | 166.613 | -9.06044 | Landslide Debris | 0 | 20 | 9.44335 | 3.12419 | 170.522 | 161.939 | 8.58314 | 169.016 | 7.07725 |
| 2 | 0.985756 | 197.695 | -8.1823 | Landslide Debris | 0 | 20 | 27.3492 | 9.04806 | 204.472 | 179.613 | 24.8586 | 200.539 | 20.9262 |
| 3 | 0.985756 | 227.258 | -7.30609 | Landslide Debris | 0 | 20 | 43.8028 | 14.4915 | 236.14 | 196.326 | 39.8143 | 230.524 | 34.1983 |
| 4 | 0.985756 | 255.312 | -6.4316 | Landslide Debris | 0 | 20 | 58.8991 | 19.4859 | 265.62 | 212.083 | 53.5372 | 258.981 | 46.8977 |
| 5 | 0.985756 | 281.865 | -5.55861 | Landslide Debris | 0 | 20 | 72.7236 | 24.0595 | 292.994 | 226.891 | 66.1029 | 285.916 | 59.0254 |
| 6 | 0.985756 | 306.924 | -4.68691 | Landslide Debris | 0 | 20 | 85.3531 | 28.2378 | 318.336 | 240.753 | 77.5826 | 311.338 | 70.585 |
| 7 | 0.985756 | 330.496 | -3.8163 | Landslide Debris | 0 | 20 | 96.8576 | 32.0439 | 341.714 | 253.674 | 88.0399 | 335.253 | 81.5789 |
| 8 | 0.985756 | 352.586 | -2.94657 | Landslide Debris | 0 | 20 | 107.3 | 35.4985 | 363.187 | 265.656 | 97.5314 | 357.664 | 92.0084 |
| 9 | 0.985756 | 373.197 | -2.07752 | Landslide Debris | 0 | 20 | 116.737 | 38.6208 | 382.812 | 276.702 | 106.11 | 378.577 | 101.875 |
| 10 | 0.985756 | 392.333 | -1.20895 | Landslide Debris | 0 | 20 | 125.222 | 41.4279 | 400.637 | 286.814 | 113.823 | 397.994 | 111.18 |
| 11 | 0.985756 | 409.995 | -0.340651 | Landslide Debris | 0 | 20 | 132.803 | 43.9358 | 416.706 | 295.994 | 120.712 | 415.917 | 119.923 |
| 12 | 0.985756 | 426.184 | 0.527566 | Landslide Debris | 0 | 20 | 139.523 | 46.159 | 431.061 | 304.241 | 126.82 | 432.346 | 128.105 |
| 13 | 0.985756 | 440.9 | 1.3959 | Landslide Debris | 0 | 20 | 145.422 | 48.1107 | 443.739 | 311.555 | 132.184 | 447.283 | 135.728 |
| 14 | 0.985756 | 454.143 | 2.26456 | Landslide Debris | 0 | 20 | 150.538 | 49.8031 | 454.771 | 317.937 | 136.834 | 460.723 | 142.786 |
| 15 | 0.985756 | 465.909 | 3.13374 | Landslide Debris | 0 | 20 | 154.904 | 51.2477 | 464.187 | 323.385 | 140.802 | 472.668 | 149.283 |
| 16 | 0.985756 | 476.196 | 4.00364 | Landslide Debris | 0 | 20 | 158.553 | 52.4548 | 472.014 | 327.896 | 144.118 | 483.111 | 155.215 |
| 17 | 0.985756 | 485 | 4.87447 | Landslide Debris | 0 | 20 | 161.512 | 53.4339 | 478.276 | 331.468 | 146.808 | 492.05 | 160.582 |
| 18 | 0.985756 | 492.315 | 5.74643 | Landslide Debris | 0 | 20 | 163.81 | 54.1942 | 482.994 | 334.097 | 148.897 | 499.479 | 165.382 |
| 19 | 0.985756 | 498.135 | 6.61973 | Landslide Debris | 0 | 20 | 165.472 | 54.7439 | 486.188 | 335.781 | 150.407 | 505.391 | 169.61 |
| 20 | 0.985756 | 502.806 | 7.49457 | Landslide Debris | 0 | 20 | 166.864 | 55.2046 | 488.186 | 336.513 | 151.673 | 510.138 | 173.625 |
| 21 | 0.985756 | 506.614 | 8.37118 | Landslide Debris | 0 | 20 | 168.278 | 55.6722 | 489.246 | 336.288 | 152.958 | 514.009 | 177.721 |
| 22 | 0.985756 | 508.914 | 9.24976 | Landslide Debris | 0 | 20 | 169.105 | 55.946 | 488.812 | 335.101 | 153.711 | 516.352 | 181.251 |
| 23 | 0.985756 | 509.683 | 10.1305 | Landslide Debris | 0 | 20 | 169.353 | 56.028 | 486.88 | 332.945 | 153.935 | 517.14 | 184.195 |
| 24 | 0.985756 | 508.909 | 11.0138 | Landslide Debris | 0 | 20 | 169.04 | 55.9244 | 483.462 | 329.811 | 153.651 | 516.362 | 186.551 |
| 25 | 0.985756 | 506.577 | 11.8996 | Landslide Debris | 0 | 20 | 168.183 | 55.6409 | 478.563 | 325.691 | 152.872 | 514.004 | 188.313 |
| 26 | 0.985756 | 502.673 | 12.7884 | Landslide Debris | 0 | 20 | 166.799 | 55.183 | 472.191 | 320.577 | 151.614 | 510.051 | 189.474 |
| 27 | 0.985756 | 498.419 | 13.6803 | Landslide Debris | 0 | 20 | 165.994 | 54.9166 | 465.339 | 314.457 | 150.882 | 505.744 | 191.287 |
| 28 | 0.985756 | 497.692 | 14.5756 | Landslide Debris | 0 | 20 | 169.117 | 55.9497 | 461.042 | 307.321 | 153.721 | 505.017 | 197.696 |
| 29 | 0.985756 | 495.9 | 15.4746 | Landslide Debris | 0 | 20 | 172.079 | 56.9299 | 455.57 | 299.157 | 156.413 | 503.21 | 204.053 |
| 30 | 0.985756 | 492.464 | 16.3774 | Landslide Debris | 0 | 20 | 174.406 | 57.6995 | 448.479 | 289.951 | 158.528 | 499.735 | 209.784 |
| 31 | 0.985756 | 487.359 | 17.2845 | Landslide Debris | 0 | 20 | 176.11 | 58.2635 | 439.768 | 279.69 | 160.078 | 494.568 | 214.878 |
| 32 | 0.985756 | 480.563 | 18.1961 | Landslide Debris | 0 | 20 | 177.209 | 58.627 | 429.434 | 268.357 | 161.077 | 487.684 | 219.327 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 0.985756 | 472.05 | 19.1124 | Landslide Debris | 0 | 20 | 177.715 | 58.7945 | 417.474 | 255.938 | 161.536 | 479.057 | 223.119 |
| 34 | 0.985756 | 461.79 | 20.0339 | Landslide Debris | 0 | 20 | 177.643 | 58.7704 | 403.884 | 242.413 | 161.471 | 468.659 | 226.246 |
| 35 | 0.985756 | 449.754 | 20.9608 | Landslide Debris | 0 | 20 | 177.002 | 58.5586 | 388.653 | 227.764 | 160.889 | 456.459 | 228.695 |
| 36 | 0.985756 | 435.91 | 21.8935 | Landslide Debris | 0 | 20 | 175.807 | 58.1632 | 371.771 | 211.97 | 159.801 | 442.422 | 230.452 |
| 37 | 0.985756 | 420.222 | 22.8324 | Landslide Debris | 0 | 20 | 174.067 | 57.5875 | 353.23 | 195.009 | 158.221 | 426.516 | 231.507 |
| 38 | 0.985756 | 402.653 | 23.7777 | Landslide Debris | 0 | 20 | 171.793 | 56.8352 | 333.01 | 176.857 | 156.153 | 408.7 | 231.843 |
| 39 | 0.985756 | 383.161 | 24.73 | Landslide Debris | 0 | 20 | 168.995 | 55.9093 | 311.098 | 157.488 | 153.61 | 388.934 | 231.446 |
| 40 | 0.985756 | 361.705 | 25.6897 | Landslide Debris | 0 | 20 | 165.68 | 54.8129 | 287.473 | 136.875 | 150.598 | 367.173 | 230.298 |
| 41 | 0.985756 | 338.235 | 26.6571 | Landslide Debris | 0 | 20 | 161.86 | 53.549 | 262.113 | 114.988 | 147.125 | 343.369 | 228.381 |
| 42 | 0.985756 | 312.702 | 27.6328 | Landslide Debris | 0 | 20 | 157.542 | 52.1203 | 234.994 | 91.7952 | 143.199 | 317.47 | 225.675 |
| 43 | 0.985756 | 285.051 | 28.6173 | Landslide Debris | 0 | 20 | 152.733 | 50.5294 | 206.089 | 67.2611 | 138.828 | 289.422 | 222.161 |
| 44 | 0.985756 | 255.222 | 29.6111 | Landslide Debris | 0 | 20 | 147.441 | 48.7788 | 175.367 | 41.3486 | 134.018 | 259.163 | 217.814 |
| 45 | 0.985756 | 223.151 | 30.6148 | Landslide Debris | 0 | 20 | 141.675 | 46.8709 | 142.794 | 14.017 | 128.777 | 226.629 | 212.612 |
| 46 | 1.00084 | 191.372 | 31.6369 | Landslide Debris | 0 | 20 | 125.534 | 41.531 | 114.105 | 0 | 114.105 | 191.446 | 191.446 |
| 47 | 1.00084 | 153.431 | 32.6782 | Landslide Debris | 0 | 20 | 99.0028 | 32.7536 | 89.9899 | 0 | 89.9899 | 153.495 | 153.495 |
| 48 | 1.00084 | 112.905 | 33.7318 | Landslide Debris | 0 | 20 | 71.6412 | 23.7014 | 65.1191 | 0 | 65.1191 | 112.955 | 112.955 |
| 49 | 1.00084 | 69.698 | 34.7984 | Landslide Debris | 0 | 20 | 43.4748 | 14.383 | 39.517 | 0 | 39.517 | 69.731 | 69.731 |
| 50 | 1.00084 | 23.7059 | 35.8791 | Landslide Debris | 0 | 20 | 14.5304 | 4.80718 | 13.2076 | 0 | 13.2076 | 23.7178 | 23.7178 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.320817

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.985756 | 166.613 | -9.06044 | Landslide Debris | 0 | 20 | 9.7954 | 3.14253 | 170.572 | 161.939 | 8.63323 | 169.01 | 7.0712 |
| 2 | 0.985756 | 197.695 | -8.1823 | Landslide Debris | 0 | 20 | 28.3493 | 9.09494 | 204.601 | 179.613 | 24.9882 | 200.525 | 20.9119 |
| 3 | 0.985756 | 227.258 | -7.30609 | Landslide Debris | 0 | 20 | 45.3751 | 14.5571 | 236.321 | 196.326 | 39.9954 | 230.504 | 34.1778 |
| 4 | 0.985756 | 255.312 | -6.4316 | Landslide Debris | 0 | 20 | 60.9753 | 19.5619 | 265.829 | 212.083 | 53.7459 | 258.955 | 46.8724 |
| 5 | 0.985756 | 281.865 | -5.55861 | Landslide Debris | 0 | 20 | 75.2423 | 24.139 | 293.212 | 226.891 | 66.321 | 285.889 | 58.9983 |
| 6 | 0.985756 | 306.924 | -4.68691 | Landslide Debris | 0 | 20 | 88.2587 | 28.3149 | 318.548 | 240.753 | 77.795 | 311.312 | 70.5591 |
| 7 | 0.985756 | 330.496 | -3.8163 | Landslide Debris | 0 | 20 | 100.1 | 32.1137 | 341.905 | 253.674 | 88.2312 | 335.228 | 81.554 |
| 8 | 0.985756 | 352.586 | -2.94657 | Landslide Debris | 0 | 20 | 110.833 | 35.5571 | 363.348 | 265.656 | 97.6925 | 357.644 | 91.9876 |
| 9 | 0.985756 | 373.197 | -2.07752 | Landslide Debris | 0 | 20 | 120.52 | 38.6649 | 382.932 | 276.702 | 106.23 | 378.56 | 101.858 |
| 10 | 0.985756 | 392.333 | -1.20895 | Landslide Debris | 0 | 20 | 129.217 | 41.455 | 400.711 | 286.814 | 113.897 | 397.984 | 111.17 |
| 11 | 0.985756 | 409.995 | -0.340651 | Landslide Debris | 0 | 20 | 136.975 | 43.9438 | 416.728 | 295.994 | 120.734 | 415.913 | 119.919 |
| 12 | 0.985756 | 426.184 | 0.527566 | Landslide Debris | 0 | 20 | 143.84 | 46.1463 | 431.027 | 304.241 | 126.786 | 432.351 | 128.11 |
| 13 | 0.985756 | 440.9 | 1.3959 | Landslide Debris | 0 | 20 | 149.856 | 48.0762 | 443.644 | 311.555 | 132.089 | 447.295 | 135.74 |
| 14 | 0.985756 | 454.143 | 2.26456 | Landslide Debris | 0 | 20 | 155.061 | 49.7462 | 454.613 | 317.937 | 136.676 | 460.745 | 142.808 |
| 15 | 0.985756 | 465.909 | 3.13374 | Landslide Debris | 0 | 20 | 159.492 | 51.1679 | 463.967 | 323.385 | 140.582 | 472.699 | 149.314 |
| 16 | 0.985756 | 476.196 | 4.00364 | Landslide Debris | 0 | 20 | 163.183 | 52.352 | 471.732 | 327.896 | 143.836 | 483.153 | 155.257 |
| 17 | 0.985756 | 485 | 4.87447 | Landslide Debris | 0 | 20 | 166.165 | 53.3084 | 477.932 | 331.468 | 146.464 | 492.102 | 160.634 |
| 18 | 0.985756 | 492.315 | 5.74643 | Landslide Debris | 0 | 20 | 168.465 | 54.0463 | 482.588 | 334.097 | 148.491 | 499.541 | 165.444 |
| 19 | 0.985756 | 498.135 | 6.61973 | Landslide Debris | 0 | 20 | 170.11 | 54.5742 | 485.722 | 335.781 | 149.941 | 505.464 | 169.683 |
| 20 | 0.985756 | 502.806 | 7.49457 | Landslide Debris | 0 | 20 | 171.48 | 55.0136 | 487.661 | 336.513 | 151.148 | 510.221 | 173.708 |
| 21 | 0.985756 | 506.614 | 8.37118 | Landslide Debris | 0 | 20 | 172.871 | 55.46 | 488.663 | 336.288 | 152.375 | 514.102 | 177.814 |
| 22 | 0.985756 | 508.914 | 9.24976 | Landslide Debris | 0 | 20 | 173.661 | 55.7135 | 488.173 | 335.101 | 153.072 | 516.455 | 181.354 |
| 23 | 0.985756 | 509.683 | 10.1305 | Landslide Debris | 0 | 20 | 173.857 | 55.7763 | 486.189 | 332.945 | 153.244 | 517.253 | 184.308 |
| 24 | 0.985756 | 508.909 | 11.0138 | Landslide Debris | 0 | 20 | 173.478 | 55.6548 | 482.721 | 329.811 | 152.91 | 516.485 | 186.674 |
| 25 | 0.985756 | 506.577 | 11.8996 | Landslide Debris | 0 | 20 | 172.543 | 55.3548 | 477.777 | 325.691 | 152.086 | 514.137 | 188.446 |
| 26 | 0.985756 | 502.673 | 12.7884 | Landslide Debris | 0 | 20 | 171.069 | 54.8818 | 471.363 | 320.577 | 150.786 | 510.193 | 189.616 |
| 27 | 0.985756 | 498.419 | 13.6803 | Landslide Debris | 0 | 20 | 170.19 | 54.5998 | 464.469 | 314.457 | 150.012 | 505.895 | 191.438 |
| 28 | 0.985756 | 497.692 | 14.5756 | Landslide Debris | 0 | 20 | 173.338 | 55.6099 | 460.109 | 307.321 | 152.788 | 505.181 | 197.86 |
| 29 | 0.985756 | 495.9 | 15.4746 | Landslide Debris | 0 | 20 | 176.322 | 56.5672 | 454.574 | 299.157 | 155.417 | 503.388 | 204.231 |
| 30 | 0.985756 | 492.464 | 16.3774 | Landslide Debris | 0 | 20 | 178.653 | 57.3148 | 447.422 | 289.951 | 157.471 | 499.926 | 209.975 |
| 31 | 0.985756 | 487.359 | 17.2845 | Landslide Debris | 0 | 20 | 180.346 | 57.8582 | 438.654 | 279.69 | 158.964 | 494.772 | 215.082 |
| 32 | 0.985756 | 480.563 | 18.1961 | Landslide Debris | 0 | 20 | 181.419 | 58.2024 | 428.267 | 268.357 | 159.91 | 487.901 | 219.544 |
| 33 | 0.985756 | 472.05 | 19.1124 | Landslide Debris | 0 | 20 | 181.886 | 58.352 | 416.259 | 255.938 | 160.321 | 479.286 | 223.348 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 0.985756 | 461.79 | 20.0339 | Landslide Debris | 0 | 20 | 181.76 | 58.3117 | 402.623 | 242.413 | 160.21 | 468.9 | 226.487 |
| 35 | 0.985756 | 449.754 | 20.9608 | Landslide Debris | 0 | 20 | 181.055 | 58.0855 | 387.352 | 227.764 | 159.588 | 456.711 | 228.947 |
| 36 | 0.985756 | 435.91 | 21.8935 | Landslide Debris | 0 | 20 | 179.783 | 57.6773 | 370.437 | 211.97 | 158.467 | 442.685 | 230.715 |
| 37 | 0.985756 | 420.222 | 22.8324 | Landslide Debris | 0 | 20 | 177.955 | 57.091 | 351.865 | 195.009 | 156.856 | 426.788 | 231.779 |
| 38 | 0.985756 | 402.653 | 23.7777 | Landslide Debris | 0 | 20 | 175.583 | 56.3299 | 331.622 | 176.857 | 154.765 | 408.981 | 232.124 |
| 39 | 0.985756 | 383.161 | 24.73 | Landslide Debris | 0 | 20 | 172.676 | 55.3974 | 309.691 | 157.488 | 152.203 | 389.223 | 231.735 |
| 40 | 0.985756 | 361.705 | 25.6897 | Landslide Debris | 0 | 20 | 169.245 | 54.2966 | 286.054 | 136.875 | 149.179 | 367.469 | 230.594 |
| 41 | 0.985756 | 338.235 | 26.6571 | Landslide Debris | 0 | 20 | 165.299 | 53.0306 | 260.688 | 114.988 | 145.7 | 343.67 | 228.682 |
| 42 | 0.985756 | 312.702 | 27.6328 | Landslide Debris | 0 | 20 | 160.846 | 51.6021 | 233.571 | 91.7952 | 141.776 | 317.776 | 225.981 |
| 43 | 0.985756 | 285.051 | 28.6173 | Landslide Debris | 0 | 20 | 155.895 | 50.0138 | 204.673 | 67.2611 | 137.411 | 289.73 | 222.469 |
| 44 | 0.985756 | 255.222 | 29.6111 | Landslide Debris | 0 | 20 | 150.455 | 48.2684 | 173.965 | 41.3486 | 132.617 | 259.474 | 218.125 |
| 45 | 0.985756 | 223.151 | 30.6148 | Landslide Debris | 0 | 20 | 144.532 | 46.3684 | 141.413 | 14.017 | 127.396 | 226.94 | 212.923 |
| 46 | 1.00084 | 191.372 | 31.6369 | Landslide Debris | 0 | 20 | 128.032 | 41.0749 | 112.852 | 0 | 112.852 | 191.732 | 191.732 |
| 47 | 1.00084 | 153.431 | 32.6782 | Landslide Debris | 0 | 20 | 100.946 | 32.3853 | 88.9782 | 0 | 88.9782 | 153.73 | 153.73 |
| 48 | 1.00084 | 112.905 | 33.7318 | Landslide Debris | 0 | 20 | 73.0282 | 23.4287 | 64.3699 | 0 | 64.3699 | 113.132 | 113.132 |
| 49 | 1.00084 | 69.698 | 34.7984 | Landslide Debris | 0 | 20 | 44.3047 | 14.2137 | 39.0518 | 0 | 39.0518 | 69.8426 | 69.8426 |
| 50 | 1.00084 | 23.7059 | 35.8791 | Landslide Debris | 0 | 20 | 14.8039 | 4.74933 | 13.0487 | 0 | 13.0487 | 23.7567 | 23.7567 |

# Cross Section C-C' - Master Scenario

## Global Minimum Query (bishop simplified) - Safety Factor: 0.90391

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.29301 | 17.31 | 8.53459 | Landslide Debris | 0 | 20 | 5.08348 | 4.59501 | 12.6247 | 0 | 12.6247 | 13.3876 | 13.3876 |
| 2 | 1.29301 | 51.1732 | 9.04127 | Landslide Debris | 0 | 20 | 14.9767 | 13.5376 | 37.1942 | 0 | 37.1942 | 39.5773 | 39.5773 |
| 3 | 1.29301 | 83.5193 | 9.54866 | Landslide Debris | 0 | 20 | 24.3595 | 22.0188 | 60.4962 | 0 | 60.4962 | 64.5938 | 64.5938 |
| 4 | 1.29301 | 114.342 | 10.0568 | Landslide Debris | 0 | 20 | 33.2348 | 30.0413 | 82.5376 | 0 | 82.5376 | 88.4318 | 88.4318 |
| 5 | 1.29301 | 143.634 | 10.5658 | Landslide Debris | 0 | 20 | 41.6054 | 37.6075 | 103.326 | 0 | 103.326 | 111.086 | 111.086 |
| 6 | 1.29301 | 171.387 | 11.0756 | Landslide Debris | 0 | 20 | 49.4737 | 44.7198 | 122.866 | 0 | 122.866 | 132.551 | 132.551 |
| 7 | 1.29301 | 197.595 | 11.5862 | Landslide Debris | 0 | 20 | 56.8424 | 51.3804 | 141.167 | 0 | 141.167 | 152.821 | 152.821 |
| 8 | 1.29301 | 222.249 | 12.0979 | Landslide Debris | 0 | 20 | 63.7136 | 57.5914 | 158.231 | 0 | 158.231 | 171.888 | 171.888 |
| 9 | 1.29301 | 245.339 | 12.6105 | Landslide Debris | 0 | 20 | 70.0896 | 63.3547 | 174.065 | 0 | 174.065 | 189.746 | 189.746 |
| 10 | 1.29301 | 266.858 | 13.1241 | Landslide Debris | 0 | 20 | 75.9724 | 68.6722 | 188.675 | 0 | 188.675 | 206.388 | 206.388 |
| 11 | 1.29301 | 290.912 | 13.6388 | Landslide Debris | 0 | 20 | 82.5322 | 74.6017 | 204.967 | 0 | 204.967 | 224.992 | 224.992 |
| 12 | 1.29301 | 324.862 | 14.1546 | Landslide Debris | 0 | 20 | 91.8419 | 83.0168 | 228.087 | 0 | 228.087 | 251.249 | 251.249 |
| 13 | 1.29301 | 357.887 | 14.6716 | Landslide Debris | 0 | 20 | 100.824 | 91.1359 | 250.394 | 0 | 250.394 | 276.791 | 276.791 |
| 14 | 1.29301 | 389.299 | 15.1899 | Landslide Debris | 0 | 20 | 109.288 | 98.7864 | 271.414 | 0 | 271.414 | 301.086 | 301.086 |
| 15 | 1.29301 | 419.085 | 15.7094 | Landslide Debris | 0 | 20 | 117.234 | 105.969 | 291.149 | 0 | 291.149 | 324.122 | 324.122 |
| 16 | 1.29301 | 447.234 | 16.2302 | Landslide Debris | 0 | 20 | 124.665 | 112.686 | 309.602 | 0 | 309.602 | 345.892 | 345.892 |
| 17 | 1.29301 | 473.731 | 16.7524 | Landslide Debris | 0 | 20 | 131.582 | 118.938 | 326.778 | 0 | 326.778 | 366.386 | 366.386 |
| 18 | 1.29301 | 498.564 | 17.2761 | Landslide Debris | 0 | 20 | 137.984 | 124.725 | 342.678 | 0 | 342.678 | 385.592 | 385.592 |
| 19 | 1.29301 | 521.719 | 17.8012 | Landslide Debris | 0 | 20 | 143.873 | 130.048 | 357.304 | 0 | 357.304 | 403.5 | 403.5 |
| 20 | 1.29301 | 543.181 | 18.3279 | Landslide Debris | 0 | 20 | 149.25 | 134.909 | 370.659 | 0 | 370.659 | 420.099 | 420.099 |
| 21 | 1.29301 | 562.935 | 18.8562 | Landslide Debris | 0 | 20 | 154.116 | 139.307 | 382.743 | 0 | 382.743 | 435.378 | 435.378 |
| 22 | 1.29301 | 580.964 | 19.3862 | Landslide Debris | 0 | 20 | 158.472 | 143.244 | 393.558 | 0 | 393.558 | 449.322 | 449.322 |
| 23 | 1.29301 | 597.253 | 19.9179 | Landslide Debris | 0 | 20 | 162.315 | 146.718 | 403.105 | 0 | 403.105 | 461.919 | 461.919 |
| 24 | 1.29301 | 611.784 | 20.4514 | Landslide Debris | 0 | 20 | 165.649 | 149.732 | 411.385 | 0 | 411.385 | 473.158 | 473.158 |
| 25 | 1.29301 | 624.538 | 20.9868 | Landslide Debris | 0 | 20 | 168.473 | 152.284 | 418.397 | 0 | 418.397 | 483.023 | 483.023 |
| 26 | 1.29301 | 635.497 | 21.524 | Landslide Debris | 0 | 20 | 170.786 | 154.375 | 424.141 | 0 | 424.141 | 491.499 | 491.499 |
| 27 | 1.29301 | 644.64 | 22.0633 | Landslide Debris | 0 | 20 | 172.588 | 156.004 | 428.618 | 0 | 428.618 | 498.571 | 498.571 |
| 28 | 1.29301 | 649.112 | 22.6047 | Landslide Debris | 0 | 20 | 173.123 | 156.488 | 429.948 | 0 | 429.948 | 502.029 | 502.029 |
| 29 | 1.29301 | 643.41 | 23.1481 | Landslide Debris | 0 | 20 | 170.944 | 154.518 | 424.535 | 0 | 424.535 | 497.619 | 497.619 |
| 30 | 1.29301 | 635.289 | 23.6938 | Landslide Debris | 0 | 20 | 168.134 | 151.978 | 417.555 | 0 | 417.555 | 491.339 | 491.339 |
| 31 | 1.29301 | 625.266 | 24.2418 | Landslide Debris | 0 | 20 | 164.835 | 148.996 | 409.363 | 0 | 409.363 | 483.587 | 483.587 |
| 32 | 1.29301 | 613.315 | 24.7922 | Landslide Debris | 0 | 20 | 161.047 | 145.572 | 399.957 | 0 | 399.957 | 474.344 | 474.344 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 1.29301 | 599.411 | 25.345 | Landslide Debris | 0 | 20 | 156.771 | 141.707 | 389.336 | 0 | 389.336 | 463.592 | 463.592 |
| 34 | 1.29301 | 583.528 | 25.9003 | Landslide Debris | 0 | 20 | 152.004 | 137.398 | 377.497 | 0 | 377.497 | 451.307 | 451.307 |
| 35 | 1.29301 | 565.637 | 26.4583 | Landslide Debris | 0 | 20 | 146.746 | 132.645 | 364.439 | 0 | 364.439 | 437.47 | 437.47 |
| 36 | 1.29301 | 545.709 | 27.019 | Landslide Debris | 0 | 20 | 140.995 | 127.447 | 350.159 | 0 | 350.159 | 422.058 | 422.058 |
| 37 | 1.29301 | 523.715 | 27.5825 | Landslide Debris | 0 | 20 | 134.752 | 121.804 | 334.654 | 0 | 334.654 | 405.048 | 405.048 |
| 38 | 1.29301 | 499.622 | 28.1489 | Landslide Debris | 0 | 20 | 128.015 | 115.714 | 317.921 | 0 | 317.921 | 386.415 | 386.415 |
| 39 | 1.29301 | 473.397 | 28.7184 | Landslide Debris | 0 | 20 | 120.781 | 109.175 | 299.956 | 0 | 299.956 | 366.132 | 366.132 |
| 40 | 1.29301 | 445.006 | 29.2909 | Landslide Debris | 0 | 20 | 113.05 | 102.187 | 280.757 | 0 | 280.757 | 344.174 | 344.174 |
| 41 | 1.29301 | 414.412 | 29.8667 | Landslide Debris | 0 | 20 | 104.821 | 94.7484 | 260.319 | 0 | 260.319 | 320.513 | 320.513 |
| 42 | 1.29301 | 381.578 | 30.4458 | Landslide Debris | 0 | 20 | 96.0907 | 86.8573 | 238.638 | 0 | 238.638 | 295.118 | 295.118 |
| 43 | 1.29301 | 346.462 | 31.0284 | Landslide Debris | 0 | 20 | 86.8585 | 78.5123 | 215.711 | 0 | 215.711 | 267.959 | 267.959 |
| 44 | 1.29301 | 309.024 | 31.6145 | Landslide Debris | 0 | 20 | 77.1224 | 69.7117 | 191.531 | 0 | 191.531 | 239.004 | 239.004 |
| 45 | 1.29301 | 269.22 | 32.2044 | Landslide Debris | 0 | 20 | 66.8802 | 60.4537 | 166.095 | 0 | 166.095 | 208.219 | 208.219 |
| 46 | 1.29301 | 227.004 | 32.7981 | Landslide Debris | 0 | 20 | 56.1301 | 50.7366 | 139.398 | 0 | 139.398 | 175.569 | 175.569 |
| 47 | 1.29301 | 182.327 | 33.3959 | Landslide Debris | 0 | 20 | 44.87 | 40.5584 | 111.433 | 0 | 111.433 | 141.015 | 141.015 |
| 48 | 1.29301 | 134.727 | 33.9977 | Landslide Debris | 0 | 20 | 32.9964 | 29.8258 | 81.9457 | 0 | 81.9457 | 104.2 | 104.2 |
| 49 | 1.29301 | 82.7946 | 34.6039 | Landslide Debris | 0 | 20 | 20.1784 | 18.2395 | 50.1126 | 0 | 50.1126 | 64.0348 | 64.0348 |
| 50 | 1.29301 | 28.0398 | 35.2145 | Landslide Debris | 0 | 20 | 6.79981 | 6.14642 | 16.8872 | 0 | 16.8872 | 21.6865 | 21.6865 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.884362

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.914708 | 12.9734 | 2.69264 | Landslide Debris | 0 | 20 | 5.72609 | 5.06394 | 13.9131 | 0 | 13.9131 | 14.1824 | 14.1824 |
| 2 | 0.914708 | 38.3836 | 3.42564 | Landslide Debris | 0 | 20 | 16.8538 | 14.9049 | 40.9508 | 0 | 40.9508 | 41.9597 | 41.9597 |
| 3 | 0.914708 | 62.719 | 4.1592 | Landslide Debris | 0 | 20 | 27.3974 | 24.2292 | 66.5691 | 0 | 66.5691 | 68.5614 | 68.5614 |
| 4 | 0.914708 | 85.977 | 4.89345 | Landslide Debris | 0 | 20 | 37.364 | 33.0433 | 90.7856 | 0 | 90.7856 | 93.9845 | 93.9845 |
| 5 | 0.914708 | 108.154 | 5.62851 | Landslide Debris | 0 | 20 | 46.7606 | 41.3533 | 113.617 | 0 | 113.617 | 118.226 | 118.226 |
| 6 | 0.914708 | 132.061 | 6.3645 | Landslide Debris | 0 | 20 | 56.8039 | 50.2352 | 138.02 | 0 | 138.02 | 144.356 | 144.356 |
| 7 | 0.914708 | 160.097 | 7.10154 | Landslide Debris | 0 | 20 | 68.5109 | 60.5884 | 166.465 | 0 | 166.465 | 175 | 175 |
| 8 | 0.914708 | 187.157 | 7.83976 | Landslide Debris | 0 | 20 | 79.6805 | 70.4664 | 193.605 | 0 | 193.605 | 204.576 | 204.576 |
| 9 | 0.914708 | 213.117 | 8.5793 | Landslide Debris | 0 | 20 | 90.2681 | 79.8297 | 219.331 | 0 | 219.331 | 232.949 | 232.949 |
| 10 | 0.914708 | 237.971 | 9.32028 | Landslide Debris | 0 | 20 | 100.279 | 88.6829 | 243.654 | 0 | 243.654 | 260.112 | 260.112 |
| 11 | 0.914708 | 261.712 | 10.0628 | Landslide Debris | 0 | 20 | 109.718 | 97.0303 | 266.589 | 0 | 266.589 | 286.059 | 286.059 |
| 12 | 0.914708 | 284.334 | 10.8071 | Landslide Debris | 0 | 20 | 118.589 | 104.876 | 288.143 | 0 | 288.143 | 310.781 | 310.781 |
| 13 | 0.914708 | 305.828 | 11.5532 | Landslide Debris | 0 | 20 | 126.897 | 112.223 | 308.328 | 0 | 308.328 | 334.269 | 334.269 |
| 14 | 0.914708 | 326.185 | 12.3013 | Landslide Debris | 0 | 20 | 134.644 | 119.074 | 327.154 | 0 | 327.154 | 356.515 | 356.515 |
| 15 | 0.914708 | 345.396 | 13.0516 | Landslide Debris | 0 | 20 | 141.836 | 125.434 | 344.626 | 0 | 344.626 | 377.506 | 377.506 |
| 16 | 0.914708 | 363.451 | 13.8041 | Landslide Debris | 0 | 20 | 148.473 | 131.304 | 360.754 | 0 | 360.754 | 397.234 | 397.234 |
| 17 | 0.914708 | 380.338 | 14.5591 | Landslide Debris | 0 | 20 | 154.56 | 136.687 | 375.544 | 0 | 375.544 | 415.686 | 415.686 |
| 18 | 0.914708 | 396.047 | 15.3167 | Landslide Debris | 0 | 20 | 160.098 | 141.585 | 389 | 0 | 389 | 432.848 | 432.848 |
| 19 | 0.914708 | 410.564 | 16.077 | Landslide Debris | 0 | 20 | 165.09 | 145.999 | 401.129 | 0 | 401.129 | 448.708 | 448.708 |
| 20 | 0.914708 | 423.876 | 16.8402 | Landslide Debris | 0 | 20 | 169.537 | 149.932 | 411.934 | 0 | 411.934 | 463.25 | 463.25 |
| 21 | 0.914708 | 435.969 | 17.6065 | Landslide Debris | 0 | 20 | 173.44 | 153.384 | 421.42 | 0 | 421.42 | 476.46 | 476.46 |
| 22 | 0.914708 | 446.827 | 18.3761 | Landslide Debris | 0 | 20 | 176.802 | 156.357 | 429.587 | 0 | 429.587 | 488.32 | 488.32 |
| 23 | 0.914708 | 456.435 | 19.1492 | Landslide Debris | 0 | 20 | 179.622 | 158.851 | 436.44 | 0 | 436.44 | 498.813 | 498.813 |
| 24 | 0.914708 | 464.774 | 19.9259 | Landslide Debris | 0 | 20 | 181.902 | 160.867 | 441.978 | 0 | 441.978 | 507.919 | 507.919 |
| 25 | 0.914708 | 471.827 | 20.7064 | Landslide Debris | 0 | 20 | 183.641 | 162.405 | 446.204 | 0 | 446.204 | 515.62 | 515.62 |
| 26 | 0.914708 | 477.573 | 21.491 | Landslide Debris | 0 | 20 | 184.839 | 163.465 | 449.115 | 0 | 449.115 | 521.892 | 521.892 |
| 27 | 0.914708 | 481.993 | 22.2798 | Landslide Debris | 0 | 20 | 185.496 | 164.046 | 450.713 | 0 | 450.713 | 526.714 | 526.714 |
| 28 | 0.914708 | 485.063 | 23.0731 | Landslide Debris | 0 | 20 | 185.613 | 164.149 | 450.995 | 0 | 450.995 | 530.062 | 530.062 |
| 29 | 0.914708 | 486.761 | 23.8711 | Landslide Debris | 0 | 20 | 185.185 | 163.771 | 449.958 | 0 | 449.958 | 531.909 | 531.909 |
| 30 | 0.914708 | 485.282 | 24.674 | Landslide Debris | 0 | 20 | 183.544 | 162.319 | 445.967 | 0 | 445.967 | 530.287 | 530.287 |
| 31 | 0.914708 | 478.448 | 25.4822 | Landslide Debris | 0 | 20 | 179.886 | 159.084 | 437.078 | 0 | 437.078 | 522.81 | 522.81 |
| 32 | 0.914708 | 470.018 | 26.2958 | Landslide Debris | 0 | 20 | 175.653 | 155.341 | 426.795 | 0 | 426.795 | 513.592 | 513.592 |
| 33 | 0.914708 | 460.105 | 27.1152 | Landslide Debris | 0 | 20 | 170.898 | 151.136 | 415.242 | 0 | 415.242 | 502.752 | 502.752 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 0.914708 | 448.675 | 27.9406 | Landslide Debris | 0 | 20 | 165.619 | 146.467 | 402.414 | 0 | 402.414 | 490.255 | 490.255 |
| 35 | 0.914708 | 435.695 | 28.7724 | Landslide Debris | 0 | 20 | 159.812 | 141.332 | 388.308 | 0 | 388.308 | 476.065 | 476.065 |
| 36 | 0.914708 | 421.127 | 29.6108 | Landslide Debris | 0 | 20 | 153.478 | 135.73 | 372.914 | 0 | 372.914 | 460.14 | 460.14 |
| 37 | 0.914708 | 404.932 | 30.4563 | Landslide Debris | 0 | 20 | 146.611 | 129.657 | 356.229 | 0 | 356.229 | 442.439 | 442.439 |
| 38 | 0.914708 | 387.068 | 31.3093 | Landslide Debris | 0 | 20 | 139.208 | 123.11 | 338.242 | 0 | 338.242 | 422.913 | 422.913 |
| 39 | 0.914708 | 367.489 | 32.17 | Landslide Debris | 0 | 20 | 131.266 | 116.087 | 318.948 | 0 | 318.948 | 401.515 | 401.515 |
| 40 | 0.914708 | 346.148 | 33.0389 | Landslide Debris | 0 | 20 | 122.783 | 108.585 | 298.336 | 0 | 298.336 | 378.191 | 378.191 |
| 41 | 0.914708 | 322.991 | 33.9164 | Landslide Debris | 0 | 20 | 113.754 | 100.6 | 276.397 | 0 | 276.397 | 352.884 | 352.884 |
| 42 | 0.914708 | 297.963 | 34.8032 | Landslide Debris | 0 | 20 | 104.176 | 92.1291 | 253.122 | 0 | 253.122 | 325.535 | 325.535 |
| 43 | 0.914708 | 271.004 | 35.6995 | Landslide Debris | 0 | 20 | 94.0425 | 83.1676 | 228.501 | 0 | 228.501 | 296.077 | 296.077 |
| 44 | 0.914708 | 242.048 | 36.6061 | Landslide Debris | 0 | 20 | 83.3503 | 73.7118 | 202.522 | 0 | 202.522 | 264.437 | 264.437 |
| 45 | 0.914708 | 211.024 | 37.5234 | Landslide Debris | 0 | 20 | 72.0945 | 63.7576 | 175.172 | 0 | 175.172 | 230.539 | 230.539 |
| 46 | 0.914708 | 177.857 | 38.4522 | Landslide Debris | 0 | 20 | 60.2701 | 53.3006 | 146.443 | 0 | 146.443 | 194.302 | 194.302 |
| 47 | 0.914708 | 142.463 | 39.3931 | Landslide Debris | 0 | 20 | 47.8724 | 42.3365 | 116.318 | 0 | 116.318 | 155.632 | 155.632 |
| 48 | 0.914708 | 104.751 | 40.3468 | Landslide Debris | 0 | 20 | 34.896 | 30.8607 | 84.7894 | 0 | 84.7894 | 114.432 | 114.432 |
| 49 | 0.914708 | 64.6235 | 41.3143 | Landslide Debris | 0 | 20 | 21.3358 | 18.8686 | 51.8411 | 0 | 51.8411 | 70.5945 | 70.5945 |
| 50 | 0.914708 | 21.9714 | 42.2963 | Landslide Debris | 0 | 20 | 7.18683 | 6.35576 | 17.4623 | 0 | 17.4623 | 24.001 | 24.001 |

## Cross Section C-C' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 0.529124

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.29722 | 18.5236 | 8.52471 | Landslide Debris | 0 | 20 | 8.91118 | 4.71512 | 12.9546 | 0 | 12.9546 | 14.2904 | 14.2904 |
| 2 | 1.29722 | 52.8082 | 9.03147 | Landslide Debris | 0 | 20 | 25.2631 | 13.3673 | 36.7263 | 0 | 36.7263 | 40.7418 | 40.7418 |
| 3 | 1.29722 | 85.3951 | 9.53894 | Landslide Debris | 0 | 20 | 40.6249 | 21.4956 | 59.0588 | 0 | 59.0588 | 65.8854 | 65.8854 |
| 4 | 1.29722 | 116.448 | 10.0472 | Landslide Debris | 0 | 20 | 55.0897 | 29.1493 | 80.0872 | 0 | 80.0872 | 89.8478 | 89.8478 |
| 5 | 1.29722 | 145.961 | 10.5562 | Landslide Debris | 0 | 20 | 68.668 | 36.3339 | 99.8268 | 0 | 99.8268 | 112.623 | 112.623 |
| 6 | 1.29722 | 173.925 | 11.0661 | Landslide Debris | 0 | 20 | 81.3698 | 43.0547 | 118.292 | 0 | 118.292 | 134.206 | 134.206 |
| 7 | 1.29722 | 200.333 | 11.5768 | Landslide Debris | 0 | 20 | 93.2044 | 49.3167 | 135.496 | 0 | 135.496 | 154.589 | 154.589 |
| 8 | 1.29722 | 225.176 | 12.0885 | Landslide Debris | 0 | 20 | 104.181 | 55.1248 | 151.454 | 0 | 151.454 | 173.767 | 173.767 |
| 9 | 1.29722 | 248.446 | 12.6012 | Landslide Debris | 0 | 20 | 114.31 | 60.4839 | 166.178 | 0 | 166.178 | 191.732 | 191.732 |
| 10 | 1.29722 | 270.134 | 13.1149 | Landslide Debris | 0 | 20 | 123.598 | 65.3985 | 179.681 | 0 | 179.681 | 208.477 | 208.477 |
| 11 | 1.29722 | 290.229 | 13.6297 | Landslide Debris | 0 | 20 | 132.054 | 69.8731 | 191.975 | 0 | 191.975 | 223.994 | 223.994 |
| 12 | 1.29722 | 315.9 | 14.1456 | Landslide Debris | 0 | 20 | 142.935 | 75.6306 | 207.793 | 0 | 207.793 | 243.817 | 243.817 |
| 13 | 1.29722 | 349.137 | 14.6626 | Landslide Debris | 0 | 20 | 157.094 | 83.1223 | 228.376 | 0 | 228.376 | 269.48 | 269.48 |
| 14 | 1.29722 | 380.782 | 15.1809 | Landslide Debris | 0 | 20 | 170.377 | 90.1508 | 247.687 | 0 | 247.687 | 293.917 | 293.917 |
| 15 | 1.29722 | 410.791 | 15.7005 | Landslide Debris | 0 | 20 | 182.778 | 96.712 | 265.714 | 0 | 265.714 | 317.092 | 317.092 |
| 16 | 1.29722 | 439.151 | 16.2214 | Landslide Debris | 0 | 20 | 194.302 | 102.81 | 282.468 | 0 | 282.468 | 338.997 | 338.997 |
| 17 | 1.29722 | 465.849 | 16.7437 | Landslide Debris | 0 | 20 | 204.958 | 108.448 | 297.96 | 0 | 297.96 | 359.621 | 359.621 |
| 18 | 1.29722 | 490.873 | 17.2674 | Landslide Debris | 0 | 20 | 214.753 | 113.631 | 312.198 | 0 | 312.198 | 378.952 | 378.952 |
| 19 | 1.29722 | 514.207 | 17.7926 | Landslide Debris | 0 | 20 | 223.692 | 118.361 | 325.193 | 0 | 325.193 | 396.981 | 396.981 |
| 20 | 1.29722 | 535.837 | 18.3194 | Landslide Debris | 0 | 20 | 231.781 | 122.641 | 336.955 | 0 | 336.955 | 413.696 | 413.696 |
| 21 | 1.29722 | 555.747 | 18.8478 | Landslide Debris | 0 | 20 | 239.029 | 126.476 | 347.49 | 0 | 347.49 | 429.085 | 429.085 |
| 22 | 1.29722 | 573.922 | 19.3778 | Landslide Debris | 0 | 20 | 245.44 | 129.868 | 356.808 | 0 | 356.808 | 443.135 | 443.135 |
| 23 | 1.29722 | 590.345 | 19.9096 | Landslide Debris | 0 | 20 | 251.017 | 132.819 | 364.917 | 0 | 364.917 | 455.832 | 455.832 |
| 24 | 1.29722 | 604.998 | 20.4432 | Landslide Debris | 0 | 20 | 255.768 | 135.333 | 371.825 | 0 | 371.825 | 467.164 | 467.164 |
| 25 | 1.29722 | 617.863 | 20.9786 | Landslide Debris | 0 | 20 | 259.699 | 137.413 | 377.539 | 0 | 377.539 | 477.117 | 477.117 |
| 26 | 1.29722 | 628.921 | 21.5159 | Landslide Debris | 0 | 20 | 262.812 | 139.06 | 382.065 | 0 | 382.065 | 485.674 | 485.674 |
| 27 | 1.29722 | 638.152 | 22.0553 | Landslide Debris | 0 | 20 | 265.114 | 140.278 | 385.411 | 0 | 385.411 | 492.822 | 492.822 |
| 28 | 1.29722 | 645.535 | 22.5967 | Landslide Debris | 0 | 20 | 266.607 | 141.068 | 387.582 | 0 | 387.582 | 498.542 | 498.542 |
| 29 | 1.29722 | 645.437 | 23.1402 | Landslide Debris | 0 | 20 | 264.993 | 140.214 | 385.236 | 0 | 385.236 | 498.485 | 498.485 |
| 30 | 1.29722 | 637.294 | 23.686 | Landslide Debris | 0 | 20 | 260.096 | 137.623 | 378.117 | 0 | 378.117 | 492.215 | 492.215 |
| 31 | 1.29722 | 627.233 | 24.234 | Landslide Debris | 0 | 20 | 254.46 | 134.641 | 369.922 | 0 | 369.922 | 484.463 | 484.463 |
| 32 | 1.29722 | 615.232 | 24.7845 | Landslide Debris | 0 | 20 | 248.089 | 131.27 | 360.66 | 0 | 360.66 | 475.212 | 475.212 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 1.29722 | 601.265 | 25.3373 | Landslide Debris | 0 | 20 | 240.987 | 127.512 | 350.335 | 0 | 350.335 | 464.441 | 464.441 |
| 34 | 1.29722 | 585.305 | 25.8927 | Landslide Debris | 0 | 20 | 233.155 | 123.368 | 338.952 | 0 | 338.952 | 452.13 | 452.13 |
| 35 | 1.29722 | 567.325 | 26.4508 | Landslide Debris | 0 | 20 | 224.601 | 118.842 | 326.516 | 0 | 326.516 | 438.257 | 438.257 |
| 36 | 1.29722 | 547.295 | 27.0115 | Landslide Debris | 0 | 20 | 215.326 | 113.934 | 313.032 | 0 | 313.032 | 422.8 | 422.8 |
| 37 | 1.29722 | 525.184 | 27.5751 | Landslide Debris | 0 | 20 | 205.334 | 108.647 | 298.504 | 0 | 298.504 | 405.736 | 405.736 |
| 38 | 1.29722 | 500.962 | 28.1416 | Landslide Debris | 0 | 20 | 194.624 | 102.98 | 282.936 | 0 | 282.936 | 387.037 | 387.037 |
| 39 | 1.29722 | 474.594 | 28.7111 | Landslide Debris | 0 | 20 | 183.203 | 96.9372 | 266.333 | 0 | 266.333 | 366.68 | 366.68 |
| 40 | 1.29722 | 446.045 | 29.2837 | Landslide Debris | 0 | 20 | 171.073 | 90.5188 | 248.698 | 0 | 248.698 | 344.636 | 344.636 |
| 41 | 1.29722 | 415.279 | 29.8595 | Landslide Debris | 0 | 20 | 158.236 | 83.7263 | 230.036 | 0 | 230.036 | 320.877 | 320.877 |
| 42 | 1.29722 | 382.258 | 30.4387 | Landslide Debris | 0 | 20 | 144.695 | 76.5614 | 210.35 | 0 | 210.35 | 295.374 | 295.374 |
| 43 | 1.29722 | 346.941 | 31.0213 | Landslide Debris | 0 | 20 | 130.452 | 69.0253 | 189.645 | 0 | 189.645 | 268.095 | 268.095 |
| 44 | 1.29722 | 309.287 | 31.6075 | Landslide Debris | 0 | 20 | 115.511 | 61.1194 | 167.924 | 0 | 167.924 | 239.007 | 239.007 |
| 45 | 1.29722 | 269.251 | 32.1975 | Landslide Debris | 0 | 20 | 99.8726 | 52.845 | 145.19 | 0 | 145.19 | 208.077 | 208.077 |
| 46 | 1.29722 | 226.788 | 32.7913 | Landslide Debris | 0 | 20 | 83.5409 | 44.2035 | 121.448 | 0 | 121.448 | 175.269 | 175.269 |
| 47 | 1.29722 | 181.848 | 33.3891 | Landslide Debris | 0 | 20 | 66.5179 | 35.1962 | 96.7008 | 0 | 96.7008 | 140.543 | 140.543 |
| 48 | 1.29722 | 134.38 | 33.991 | Landslide Debris | 0 | 20 | 48.8063 | 25.8246 | 70.9525 | 0 | 70.9525 | 103.862 | 103.862 |
| 49 | 1.29722 | 83.2865 | 34.5972 | Landslide Debris | 0 | 20 | 30.0317 | 15.8905 | 43.6589 | 0 | 43.6589 | 64.3742 | 64.3742 |
| 50 | 1.29722 | 28.2083 | 35.2079 | Landslide Debris | 0 | 20 | 10.0972 | 5.34269 | 14.6789 | 0 | 14.6789 | 21.8038 | 21.8038 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.519857

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.28038 | 16.9354 | 8.56068 | Landslide Debris | 0 | 20 | 8.37882 | 4.35579 | 11.9674 | 0 | 11.9674 | 13.2287 | 13.2287 |
| 2 | 1.28038 | 50.0643 | 9.06716 | Landslide Debris | 0 | 20 | 24.6283 | 12.8032 | 35.1765 | 0 | 35.1765 | 39.1068 | 39.1068 |
| 3 | 1.28038 | 81.7061 | 9.57435 | Landslide Debris | 0 | 20 | 39.9654 | 20.7763 | 57.0825 | 0 | 57.0825 | 63.8237 | 63.8237 |
| 4 | 1.28038 | 111.854 | 10.0823 | Landslide Debris | 0 | 20 | 54.4013 | 28.2809 | 77.7008 | 0 | 77.7008 | 87.3739 | 87.3739 |
| 5 | 1.28038 | 140.502 | 10.5911 | Landslide Debris | 0 | 20 | 67.9468 | 35.3226 | 97.0481 | 0 | 97.0481 | 109.753 | 109.753 |
| 6 | 1.28038 | 167.641 | 11.1007 | Landslide Debris | 0 | 20 | 80.6118 | 41.9066 | 115.138 | 0 | 115.138 | 130.954 | 130.954 |
| 7 | 1.28038 | 193.265 | 11.6112 | Landslide Debris | 0 | 20 | 92.4068 | 48.0383 | 131.984 | 0 | 131.984 | 150.971 | 150.971 |
| 8 | 1.28038 | 217.366 | 12.1226 | Landslide Debris | 0 | 20 | 103.341 | 53.7227 | 147.602 | 0 | 147.602 | 169.799 | 169.799 |
| 9 | 1.28038 | 239.934 | 12.635 | Landslide Debris | 0 | 20 | 113.424 | 58.9644 | 162.004 | 0 | 162.004 | 187.43 | 187.43 |
| 10 | 1.28038 | 261.044 | 13.1484 | Landslide Debris | 0 | 20 | 122.705 | 63.7889 | 175.259 | 0 | 175.259 | 203.922 | 203.922 |
| 11 | 1.28038 | 290.061 | 13.6629 | Landslide Debris | 0 | 20 | 135.571 | 70.4775 | 193.635 | 0 | 193.635 | 226.591 | 226.591 |
| 12 | 1.28038 | 323.944 | 14.1786 | Landslide Debris | 0 | 20 | 150.548 | 78.2633 | 215.026 | 0 | 215.026 | 253.061 | 253.061 |
| 13 | 1.28038 | 356.255 | 14.6954 | Landslide Debris | 0 | 20 | 164.623 | 85.5805 | 235.13 | 0 | 235.13 | 278.304 | 278.304 |
| 14 | 1.28038 | 386.984 | 15.2135 | Landslide Debris | 0 | 20 | 177.805 | 92.4332 | 253.958 | 0 | 253.958 | 302.312 | 302.312 |
| 15 | 1.28038 | 416.119 | 15.7328 | Landslide Debris | 0 | 20 | 190.102 | 98.8258 | 271.522 | 0 | 271.522 | 325.074 | 325.074 |
| 16 | 1.28038 | 443.648 | 16.2534 | Landslide Debris | 0 | 20 | 201.521 | 104.762 | 287.832 | 0 | 287.832 | 346.583 | 346.583 |
| 17 | 1.28038 | 469.558 | 16.7755 | Landslide Debris | 0 | 20 | 212.07 | 110.246 | 302.898 | 0 | 302.898 | 366.827 | 366.827 |
| 18 | 1.28038 | 493.837 | 17.2989 | Landslide Debris | 0 | 20 | 221.755 | 115.281 | 316.732 | 0 | 316.732 | 385.796 | 385.796 |
| 19 | 1.28038 | 516.47 | 17.8239 | Landslide Debris | 0 | 20 | 230.585 | 119.871 | 329.342 | 0 | 329.342 | 403.481 | 403.481 |
| 20 | 1.28038 | 537.443 | 18.3504 | Landslide Debris | 0 | 20 | 238.564 | 124.019 | 340.738 | 0 | 340.738 | 419.869 | 419.869 |
| 21 | 1.28038 | 556.742 | 18.8785 | Landslide Debris | 0 | 20 | 245.698 | 127.728 | 350.93 | 0 | 350.93 | 434.948 | 434.948 |
| 22 | 1.28038 | 574.35 | 19.4083 | Landslide Debris | 0 | 20 | 251.996 | 131.002 | 359.924 | 0 | 359.924 | 448.707 | 448.707 |
| 23 | 1.28038 | 590.251 | 19.9399 | Landslide Debris | 0 | 20 | 257.461 | 133.843 | 367.731 | 0 | 367.731 | 461.133 | 461.133 |
| 24 | 1.28038 | 604.428 | 20.4732 | Landslide Debris | 0 | 20 | 262.101 | 136.255 | 374.356 | 0 | 374.356 | 472.212 | 472.212 |
| 25 | 1.28038 | 616.863 | 21.0084 | Landslide Debris | 0 | 20 | 265.917 | 138.239 | 379.809 | 0 | 379.809 | 481.93 | 481.93 |
| 26 | 1.28038 | 627.538 | 21.5455 | Landslide Debris | 0 | 20 | 268.92 | 139.8 | 384.097 | 0 | 384.097 | 490.274 | 490.274 |
| 27 | 1.28038 | 636.433 | 22.0846 | Landslide Debris | 0 | 20 | 271.109 | 140.938 | 387.224 | 0 | 387.224 | 497.225 | 497.225 |
| 28 | 1.28038 | 638.673 | 22.6258 | Landslide Debris | 0 | 20 | 270.438 | 140.589 | 386.264 | 0 | 386.264 | 498.979 | 498.979 |
| 29 | 1.28038 | 632.519 | 23.1691 | Landslide Debris | 0 | 20 | 266.221 | 138.397 | 380.242 | 0 | 380.242 | 494.175 | 494.175 |
| 30 | 1.28038 | 624.485 | 23.7146 | Landslide Debris | 0 | 20 | 261.249 | 135.812 | 373.142 | 0 | 373.142 | 487.901 | 487.901 |
| 31 | 1.28038 | 614.586 | 24.2624 | Landslide Debris | 0 | 20 | 255.543 | 132.846 | 364.99 | 0 | 364.99 | 480.171 | 480.171 |
| 32 | 1.28038 | 602.797 | 24.8126 | Landslide Debris | 0 | 20 | 249.103 | 129.498 | 355.794 | 0 | 355.794 | 470.963 | 470.963 |
| 33 | 1.28038 | 589.092 | 25.3653 | Landslide Debris | 0 | 20 | 241.938 | 125.773 | 345.558 | 0 | 345.558 | 460.259 | 460.259 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 1.28038 | 573.446 | 25.9204 | Landslide Debris | 0 | 20 | 234.047 | 121.671 | 334.287 | 0 | 334.287 | 448.038 | 448.038 |
| 35 | 1.28038 | 555.832 | 26.4782 | Landslide Debris | 0 | 20 | 225.435 | 117.194 | 321.987 | 0 | 321.987 | 434.278 | 434.278 |
| 36 | 1.28038 | 536.22 | 27.0388 | Landslide Debris | 0 | 20 | 216.106 | 112.344 | 308.663 | 0 | 308.663 | 418.959 | 418.959 |
| 37 | 1.28038 | 514.582 | 27.6021 | Landslide Debris | 0 | 20 | 206.062 | 107.123 | 294.318 | 0 | 294.318 | 402.055 | 402.055 |
| 38 | 1.28038 | 490.886 | 28.1684 | Landslide Debris | 0 | 20 | 195.309 | 101.533 | 278.959 | 0 | 278.959 | 383.544 | 383.544 |
| 39 | 1.28038 | 465.099 | 28.7376 | Landslide Debris | 0 | 20 | 183.847 | 95.5741 | 262.588 | 0 | 262.588 | 363.398 | 363.398 |
| 40 | 1.28038 | 437.188 | 29.31 | Landslide Debris | 0 | 20 | 171.68 | 89.2492 | 245.21 | 0 | 245.21 | 341.592 | 341.592 |
| 41 | 1.28038 | 407.117 | 29.8856 | Landslide Debris | 0 | 20 | 158.812 | 82.5596 | 226.83 | 0 | 226.83 | 318.098 | 318.098 |
| 42 | 1.28038 | 374.848 | 30.4646 | Landslide Debris | 0 | 20 | 145.245 | 75.5065 | 207.453 | 0 | 207.453 | 292.887 | 292.887 |
| 43 | 1.28038 | 340.342 | 31.047 | Landslide Debris | 0 | 20 | 130.982 | 68.0917 | 187.08 | 0 | 187.08 | 265.928 | 265.928 |
| 44 | 1.28038 | 303.559 | 31.633 | Landslide Debris | 0 | 20 | 116.025 | 60.3165 | 165.718 | 0 | 165.718 | 237.189 | 237.189 |
| 45 | 1.28038 | 264.456 | 32.2227 | Landslide Debris | 0 | 20 | 100.378 | 52.1823 | 143.37 | 0 | 143.37 | 206.637 | 206.637 |
| 46 | 1.28038 | 222.987 | 32.8163 | Landslide Debris | 0 | 20 | 84.0437 | 43.6907 | 120.039 | 0 | 120.039 | 174.235 | 174.235 |
| 47 | 1.28038 | 179.104 | 33.4139 | Landslide Debris | 0 | 20 | 67.0242 | 34.843 | 95.7303 | 0 | 95.7303 | 139.948 | 139.948 |
| 48 | 1.28038 | 132.319 | 34.0156 | Landslide Debris | 0 | 20 | 49.1595 | 25.5559 | 70.2143 | 0 | 70.2143 | 103.392 | 103.392 |
| 49 | 1.28038 | 81.298 | 34.6216 | Landslide Debris | 0 | 20 | 29.9831 | 15.5869 | 42.8247 | 0 | 42.8247 | 63.5253 | 63.5253 |
| 50 | 1.28038 | 27.5324 | 35.232 | Landslide Debris | 0 | 20 | 10.0788 | 5.23952 | 14.3955 | 0 | 14.3955 | 21.5137 | 21.5137 |

# Cross Section D-D' - Master Scenario

## Global Minimum Query (bishop simplified) - Safety Factor: 0.956465

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.931202 | 14.4593 | 1.3547 | Landslide Debris | 0 | 20 | 5.85637 | 5.60141 | 15.3898 | 0 | 15.3898 | 15.5283 | 15.5283 |
| 2 | 0.931202 | 42.8109 | 2.10321 | Landslide Debris | 0 | 20 | 17.2548 | 16.5036 | 45.3433 | 0 | 45.3433 | 45.977 | 45.977 |
| 3 | 0.931202 | 70.0279 | 2.85208 | Landslide Debris | 0 | 20 | 28.0872 | 26.8644 | 73.8093 | 0 | 73.8093 | 75.2085 | 75.2085 |
| 4 | 0.931202 | 96.1082 | 3.60143 | Landslide Debris | 0 | 20 | 38.3605 | 36.6905 | 100.806 | 0 | 100.806 | 103.221 | 103.221 |
| 5 | 0.931202 | 121.049 | 4.3514 | Landslide Debris | 0 | 20 | 48.0817 | 45.9885 | 126.353 | 0 | 126.353 | 130.011 | 130.011 |
| 6 | 0.931202 | 144.848 | 5.10212 | Landslide Debris | 0 | 20 | 57.2569 | 54.7642 | 150.463 | 0 | 150.463 | 155.575 | 155.575 |
| 7 | 0.931202 | 167.501 | 5.85372 | Landslide Debris | 0 | 20 | 65.8918 | 63.0232 | 173.154 | 0 | 173.154 | 179.91 | 179.91 |
| 8 | 0.931202 | 189.016 | 6.60633 | Landslide Debris | 0 | 20 | 73.9967 | 70.7753 | 194.454 | 0 | 194.454 | 203.024 | 203.024 |
| 9 | 0.931202 | 212.285 | 7.36009 | Landslide Debris | 0 | 20 | 82.7056 | 79.105 | 217.339 | 0 | 217.339 | 228.022 | 228.022 |
| 10 | 0.931202 | 236.633 | 8.11513 | Landslide Debris | 0 | 20 | 91.747 | 87.7528 | 241.099 | 0 | 241.099 | 254.181 | 254.181 |
| 11 | 0.931202 | 259.814 | 8.87159 | Landslide Debris | 0 | 20 | 100.249 | 95.8843 | 263.44 | 0 | 263.44 | 279.087 | 279.087 |
| 12 | 0.931202 | 281.821 | 9.62962 | Landslide Debris | 0 | 20 | 108.214 | 103.503 | 284.374 | 0 | 284.374 | 302.734 | 302.734 |
| 13 | 0.931202 | 302.646 | 10.3894 | Landslide Debris | 0 | 20 | 115.649 | 110.614 | 303.909 | 0 | 303.909 | 325.112 | 325.112 |
| 14 | 0.931202 | 322.282 | 11.1509 | Landslide Debris | 0 | 20 | 122.554 | 117.219 | 322.056 | 0 | 322.056 | 346.213 | 346.213 |
| 15 | 0.931202 | 340.718 | 11.9145 | Landslide Debris | 0 | 20 | 128.934 | 123.321 | 338.821 | 0 | 338.821 | 366.026 | 366.026 |
| 16 | 0.931202 | 357.945 | 12.6803 | Landslide Debris | 0 | 20 | 134.792 | 128.924 | 354.214 | 0 | 354.214 | 384.542 | 384.542 |
| 17 | 0.931202 | 373.953 | 13.4483 | Landslide Debris | 0 | 20 | 140.13 | 134.029 | 368.241 | 0 | 368.241 | 401.749 | 401.749 |
| 18 | 0.931202 | 388.73 | 14.2188 | Landslide Debris | 0 | 20 | 144.948 | 138.638 | 380.906 | 0 | 380.906 | 417.634 | 417.634 |
| 19 | 0.931202 | 402.264 | 14.992 | Landslide Debris | 0 | 20 | 149.252 | 142.754 | 392.214 | 0 | 392.214 | 432.183 | 432.183 |
| 20 | 0.931202 | 414.541 | 15.7679 | Landslide Debris | 0 | 20 | 153.041 | 146.378 | 402.17 | 0 | 402.17 | 445.383 | 445.383 |
| 21 | 0.931202 | 425.547 | 16.5469 | Landslide Debris | 0 | 20 | 156.316 | 149.511 | 410.778 | 0 | 410.778 | 457.22 | 457.22 |
| 22 | 0.931202 | 435.268 | 17.329 | Landslide Debris | 0 | 20 | 159.08 | 152.154 | 418.04 | 0 | 418.04 | 467.676 | 467.676 |
| 23 | 0.931202 | 443.688 | 18.1144 | Landslide Debris | 0 | 20 | 161.331 | 154.307 | 423.956 | 0 | 423.956 | 476.732 | 476.732 |
| 24 | 0.931202 | 450.788 | 18.9034 | Landslide Debris | 0 | 20 | 163.071 | 155.972 | 428.53 | 0 | 428.53 | 484.372 | 484.372 |
| 25 | 0.931202 | 456.551 | 19.6961 | Landslide Debris | 0 | 20 | 164.301 | 157.148 | 431.76 | 0 | 431.76 | 490.576 | 490.576 |
| 26 | 0.931202 | 460.956 | 20.4928 | Landslide Debris | 0 | 20 | 165.019 | 157.835 | 433.648 | 0 | 433.648 | 495.322 | 495.322 |
| 27 | 0.931202 | 463.984 | 21.2936 | Landslide Debris | 0 | 20 | 165.225 | 158.032 | 434.19 | 0 | 434.19 | 498.587 | 498.587 |
| 28 | 0.931202 | 465.612 | 22.0988 | Landslide Debris | 0 | 20 | 164.919 | 157.739 | 433.385 | 0 | 433.385 | 500.348 | 500.348 |
| 29 | 0.931202 | 465.816 | 22.9087 | Landslide Debris | 0 | 20 | 164.099 | 156.955 | 431.231 | 0 | 431.231 | 500.578 | 500.578 |
| 30 | 0.931202 | 464.571 | 23.7234 | Landslide Debris | 0 | 20 | 162.765 | 155.679 | 427.724 | 0 | 427.724 | 499.252 | 499.252 |
| 31 | 0.931202 | 461.85 | 24.5432 | Landslide Debris | 0 | 20 | 160.914 | 153.909 | 422.86 | 0 | 422.86 | 496.34 | 496.34 |
| 32 | 0.931202 | 457.624 | 25.3685 | Landslide Debris | 0 | 20 | 158.545 | 151.643 | 416.635 | 0 | 416.635 | 491.811 | 491.811 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 0.931202 | 451.863 | 26.1994 | Landslide Debris | 0 | 20 | 155.655 | 148.879 | 409.041 | 0 | 409.041 | 485.631 | 485.631 |
| 34 | 0.931202 | 444.413 | 27.0362 | Landslide Debris | 0 | 20 | 152.201 | 145.575 | 399.965 | 0 | 399.965 | 477.636 | 477.636 |
| 35 | 0.931202 | 433.393 | 27.8794 | Landslide Debris | 0 | 20 | 147.552 | 141.128 | 387.746 | 0 | 387.746 | 465.803 | 465.803 |
| 36 | 0.931202 | 420.042 | 28.7292 | Landslide Debris | 0 | 20 | 142.148 | 135.96 | 373.548 | 0 | 373.548 | 451.466 | 451.466 |
| 37 | 0.931202 | 405.011 | 29.5859 | Landslide Debris | 0 | 20 | 136.225 | 130.294 | 357.98 | 0 | 357.98 | 435.322 | 435.322 |
| 38 | 0.931202 | 388.258 | 30.45 | Landslide Debris | 0 | 20 | 129.776 | 124.126 | 341.034 | 0 | 341.034 | 417.325 | 417.325 |
| 39 | 0.931202 | 369.738 | 31.3218 | Landslide Debris | 0 | 20 | 122.8 | 117.454 | 322.701 | 0 | 322.701 | 397.429 | 397.429 |
| 40 | 0.931202 | 349.4 | 32.2018 | Landslide Debris | 0 | 20 | 115.291 | 110.272 | 302.97 | 0 | 302.97 | 375.578 | 375.578 |
| 41 | 0.931202 | 327.192 | 33.0904 | Landslide Debris | 0 | 20 | 107.246 | 102.577 | 281.829 | 0 | 281.829 | 351.716 | 351.716 |
| 42 | 0.931202 | 303.059 | 33.988 | Landslide Debris | 0 | 20 | 98.6601 | 94.3649 | 259.265 | 0 | 259.265 | 325.782 | 325.782 |
| 43 | 0.931202 | 276.938 | 34.8953 | Landslide Debris | 0 | 20 | 89.5278 | 85.6302 | 235.267 | 0 | 235.267 | 297.711 | 297.711 |
| 44 | 0.931202 | 248.764 | 35.8126 | Landslide Debris | 0 | 20 | 79.8441 | 76.3681 | 209.819 | 0 | 209.819 | 267.431 | 267.431 |
| 45 | 0.931202 | 218.466 | 36.7407 | Landslide Debris | 0 | 20 | 69.6035 | 66.5733 | 182.909 | 0 | 182.909 | 234.867 | 234.867 |
| 46 | 0.931202 | 185.966 | 37.6802 | Landslide Debris | 0 | 20 | 58.8003 | 56.2404 | 154.519 | 0 | 154.519 | 199.932 | 199.932 |
| 47 | 0.931202 | 151.181 | 38.6317 | Landslide Debris | 0 | 20 | 47.4284 | 45.3636 | 124.635 | 0 | 124.635 | 162.54 | 162.54 |
| 48 | 0.931202 | 113.769 | 39.596 | Landslide Debris | 0 | 20 | 35.404 | 33.8627 | 93.0368 | 0 | 93.0368 | 122.321 | 122.321 |
| 49 | 0.931202 | 70.6677 | 40.574 | Landslide Debris | 0 | 20 | 21.8078 | 20.8584 | 57.308 | 0 | 57.308 | 75.9824 | 75.9824 |
| 50 | 0.931202 | 23.9964 | 41.5665 | Landslide Debris | 0 | 20 | 7.34122 | 7.02162 | 19.2918 | 0 | 19.2918 | 25.8019 | 25.8019 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.928471

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.931202 | 14.4593 | 1.3547 | Landslide Debris | 0 | 20 | 6.03094 | 5.59955 | 15.3846 | 0 | 15.3846 | 15.5272 | 15.5272 |
| 2 | 0.931202 | 42.8109 | 2.10321 | Landslide Debris | 0 | 20 | 17.766 | 16.4952 | 45.3202 | 0 | 45.3202 | 45.9726 | 45.9726 |
| 3 | 0.931202 | 70.0279 | 2.85208 | Landslide Debris | 0 | 20 | 28.914 | 26.8458 | 73.7583 | 0 | 73.7583 | 75.1988 | 75.1988 |
| 4 | 0.931202 | 96.1082 | 3.60143 | Landslide Debris | 0 | 20 | 39.4829 | 36.6587 | 100.719 | 0 | 100.719 | 103.204 | 103.204 |
| 5 | 0.931202 | 121.049 | 4.3514 | Landslide Debris | 0 | 20 | 49.4796 | 45.9404 | 126.22 | 0 | 126.22 | 129.985 | 129.985 |
| 6 | 0.931202 | 144.848 | 5.10212 | Landslide Debris | 0 | 20 | 58.9113 | 54.6974 | 150.28 | 0 | 150.28 | 155.54 | 155.54 |
| 7 | 0.931202 | 167.501 | 5.85372 | Landslide Debris | 0 | 20 | 67.7839 | 62.9354 | 172.914 | 0 | 172.914 | 179.863 | 179.863 |
| 8 | 0.931202 | 189.016 | 6.60633 | Landslide Debris | 0 | 20 | 76.1085 | 70.6645 | 194.15 | 0 | 194.15 | 202.964 | 202.964 |
| 9 | 0.931202 | 212.285 | 7.36009 | Landslide Debris | 0 | 20 | 85.0512 | 78.9676 | 216.962 | 0 | 216.962 | 227.948 | 227.948 |
| 10 | 0.931202 | 236.633 | 8.11513 | Landslide Debris | 0 | 20 | 94.3329 | 87.5854 | 240.639 | 0 | 240.639 | 254.09 | 254.09 |
| 11 | 0.931202 | 259.814 | 8.87159 | Landslide Debris | 0 | 20 | 103.057 | 95.685 | 262.892 | 0 | 262.892 | 278.978 | 278.978 |
| 12 | 0.931202 | 281.821 | 9.62962 | Landslide Debris | 0 | 20 | 111.227 | 103.271 | 283.734 | 0 | 283.734 | 302.606 | 302.606 |
| 13 | 0.931202 | 302.646 | 10.3894 | Landslide Debris | 0 | 20 | 118.847 | 110.346 | 303.174 | 0 | 303.174 | 324.964 | 324.964 |
| 14 | 0.931202 | 322.282 | 11.1509 | Landslide Debris | 0 | 20 | 125.923 | 116.916 | 321.223 | 0 | 321.223 | 346.044 | 346.044 |
| 15 | 0.931202 | 340.718 | 11.9145 | Landslide Debris | 0 | 20 | 132.455 | 122.981 | 337.889 | 0 | 337.889 | 365.837 | 365.837 |
| 16 | 0.931202 | 357.945 | 12.6803 | Landslide Debris | 0 | 20 | 138.45 | 128.547 | 353.18 | 0 | 353.18 | 384.331 | 384.331 |
| 17 | 0.931202 | 373.953 | 13.4483 | Landslide Debris | 0 | 20 | 143.909 | 133.615 | 367.103 | 0 | 367.103 | 401.515 | 401.515 |
| 18 | 0.931202 | 388.73 | 14.2188 | Landslide Debris | 0 | 20 | 148.833 | 138.187 | 379.665 | 0 | 379.665 | 417.377 | 417.377 |
| 19 | 0.931202 | 402.264 | 14.992 | Landslide Debris | 0 | 20 | 153.225 | 142.265 | 390.871 | 0 | 390.871 | 431.905 | 431.905 |
| 20 | 0.931202 | 414.541 | 15.7679 | Landslide Debris | 0 | 20 | 157.088 | 145.852 | 400.726 | 0 | 400.726 | 445.083 | 445.083 |
| 21 | 0.931202 | 425.547 | 16.5469 | Landslide Debris | 0 | 20 | 160.424 | 148.949 | 409.234 | 0 | 409.234 | 456.896 | 456.896 |
| 22 | 0.931202 | 435.268 | 17.329 | Landslide Debris | 0 | 20 | 163.232 | 151.556 | 416.397 | 0 | 416.397 | 467.329 | 467.329 |
| 23 | 0.931202 | 443.688 | 18.1144 | Landslide Debris | 0 | 20 | 165.514 | 153.675 | 422.22 | 0 | 422.22 | 476.364 | 476.364 |
| 24 | 0.931202 | 450.788 | 18.9034 | Landslide Debris | 0 | 20 | 167.272 | 155.307 | 426.702 | 0 | 426.702 | 483.983 | 483.983 |
| 25 | 0.931202 | 456.551 | 19.6961 | Landslide Debris | 0 | 20 | 168.504 | 156.451 | 429.845 | 0 | 429.845 | 490.166 | 490.166 |
| 26 | 0.931202 | 460.956 | 20.4928 | Landslide Debris | 0 | 20 | 169.212 | 157.108 | 431.65 | 0 | 431.65 | 494.891 | 494.891 |
| 27 | 0.931202 | 463.984 | 21.2936 | Landslide Debris | 0 | 20 | 169.394 | 157.277 | 432.115 | 0 | 432.115 | 498.137 | 498.137 |
| 28 | 0.931202 | 465.612 | 22.0988 | Landslide Debris | 0 | 20 | 169.051 | 156.959 | 431.24 | 0 | 431.24 | 499.881 | 499.881 |
| 29 | 0.931202 | 465.816 | 22.9087 | Landslide Debris | 0 | 20 | 168.181 | 156.151 | 429.022 | 0 | 429.022 | 500.094 | 500.094 |
| 30 | 0.931202 | 464.571 | 23.7234 | Landslide Debris | 0 | 20 | 166.784 | 154.854 | 425.459 | 0 | 425.459 | 498.753 | 498.753 |
| 31 | 0.931202 | 461.85 | 24.5432 | Landslide Debris | 0 | 20 | 164.859 | 153.067 | 420.547 | 0 | 420.547 | 495.828 | 495.828 |
| 32 | 0.931202 | 457.624 | 25.3685 | Landslide Debris | 0 | 20 | 162.402 | 150.786 | 414.281 | 0 | 414.281 | 491.286 | 491.286 |
| 33 | 0.931202 | 451.863 | 26.1994 | Landslide Debris | 0 | 20 | 159.414 | 148.011 | 406.658 | 0 | 406.658 | 485.097 | 485.097 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 0.931202 | 444.413 | 27.0362 | Landslide Debris | 0 | 20 | 155.849 | 144.701 | 397.562 | 0 | 397.562 | 477.095 | 477.095 |
| 35 | 0.931202 | 433.393 | 27.8794 | Landslide Debris | 0 | 20 | 151.06 | 140.255 | 385.346 | 0 | 385.346 | 465.259 | 465.259 |
| 36 | 0.931202 | 420.042 | 28.7292 | Landslide Debris | 0 | 20 | 145.501 | 135.093 | 371.166 | 0 | 371.166 | 450.922 | 450.922 |
| 37 | 0.931202 | 405.011 | 29.5859 | Landslide Debris | 0 | 20 | 139.411 | 129.439 | 355.631 | 0 | 355.631 | 434.782 | 434.782 |
| 38 | 0.931202 | 388.258 | 30.45 | Landslide Debris | 0 | 20 | 132.787 | 123.289 | 338.732 | 0 | 338.732 | 416.794 | 416.794 |
| 39 | 0.931202 | 369.738 | 31.3218 | Landslide Debris | 0 | 20 | 125.624 | 116.638 | 320.462 | 0 | 320.462 | 396.908 | 396.908 |
| 40 | 0.931202 | 349.4 | 32.2018 | Landslide Debris | 0 | 20 | 117.92 | 109.485 | 300.808 | 0 | 300.808 | 375.071 | 375.071 |
| 41 | 0.931202 | 327.192 | 33.0904 | Landslide Debris | 0 | 20 | 109.67 | 101.825 | 279.762 | 0 | 279.762 | 351.229 | 351.229 |
| 42 | 0.931202 | 303.059 | 33.988 | Landslide Debris | 0 | 20 | 100.869 | 93.654 | 257.312 | 0 | 257.312 | 325.319 | 325.319 |
| 43 | 0.931202 | 276.938 | 34.8953 | Landslide Debris | 0 | 20 | 91.5135 | 84.9676 | 233.447 | 0 | 233.447 | 297.276 | 297.276 |
| 44 | 0.931202 | 248.764 | 35.8126 | Landslide Debris | 0 | 20 | 81.5979 | 75.7613 | 208.152 | 0 | 208.152 | 267.03 | 267.03 |
| 45 | 0.931202 | 218.466 | 36.7407 | Landslide Debris | 0 | 20 | 71.1172 | 66.0303 | 181.417 | 0 | 181.417 | 234.505 | 234.505 |
| 46 | 0.931202 | 185.966 | 37.6802 | Landslide Debris | 0 | 20 | 60.066 | 55.7695 | 153.225 | 0 | 153.225 | 199.616 | 199.616 |
| 47 | 0.931202 | 151.181 | 38.6317 | Landslide Debris | 0 | 20 | 48.4383 | 44.9736 | 123.564 | 0 | 123.564 | 162.276 | 162.276 |
| 48 | 0.931202 | 113.769 | 39.596 | Landslide Debris | 0 | 20 | 36.1496 | 33.5639 | 92.2159 | 0 | 92.2159 | 122.117 | 122.117 |
| 49 | 0.931202 | 70.6677 | 40.574 | Landslide Debris | 0 | 20 | 22.2619 | 20.6695 | 56.789 | 0 | 56.789 | 75.8522 | 75.8522 |
| 50 | 0.931202 | 23.9964 | 41.5665 | Landslide Debris | 0 | 20 | 7.49227 | 6.95636 | 19.1125 | 0 | 19.1125 | 25.7566 | 25.7566 |

## Cross Section D-D' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 0.551661

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.32781 | 20.3606 | 7.1913 | Landslide Debris | 0 | 20 | 9.34413 | 5.15479 | 14.1627 | 0 | 14.1627 | 15.3417 | 15.3417 |
| 2 | 1.32781 | 60.2726 | 7.70841 | Landslide Debris | 0 | 20 | 27.5082 | 15.1752 | 41.6934 | 0 | 41.6934 | 45.4168 | 45.4168 |
| 3 | 1.32781 | 98.5632 | 8.22616 | Landslide Debris | 0 | 20 | 44.7356 | 24.6789 | 67.8047 | 0 | 67.8047 | 74.2721 | 74.2721 |
| 4 | 1.32781 | 135.226 | 8.74458 | Landslide Debris | 0 | 20 | 61.038 | 33.6723 | 92.5137 | 0 | 92.5137 | 101.902 | 101.902 |
| 5 | 1.32781 | 170.255 | 9.26373 | Landslide Debris | 0 | 20 | 76.4266 | 42.1616 | 115.838 | 0 | 115.838 | 128.304 | 128.304 |
| 6 | 1.32781 | 203.643 | 9.78364 | Landslide Debris | 0 | 20 | 90.9118 | 50.1525 | 137.793 | 0 | 137.793 | 153.469 | 153.469 |
| 7 | 1.32781 | 235.381 | 10.3044 | Landslide Debris | 0 | 20 | 104.504 | 57.6508 | 158.395 | 0 | 158.395 | 177.394 | 177.394 |
| 8 | 1.32781 | 265.463 | 10.826 | Landslide Debris | 0 | 20 | 117.213 | 64.6618 | 177.657 | 0 | 177.657 | 200.071 | 200.071 |
| 9 | 1.32781 | 293.88 | 11.3485 | Landslide Debris | 0 | 20 | 129.048 | 71.191 | 195.596 | 0 | 195.596 | 221.495 | 221.495 |
| 10 | 1.32781 | 320.623 | 11.8719 | Landslide Debris | 0 | 20 | 140.019 | 77.2432 | 212.223 | 0 | 212.223 | 241.659 | 241.659 |
| 11 | 1.32781 | 345.682 | 12.3964 | Landslide Debris | 0 | 20 | 150.134 | 82.8233 | 227.555 | 0 | 227.555 | 260.555 | 260.555 |
| 12 | 1.32781 | 369.047 | 12.9219 | Landslide Debris | 0 | 20 | 159.402 | 87.9361 | 241.602 | 0 | 241.602 | 278.174 | 278.174 |
| 13 | 1.32781 | 392.485 | 13.4486 | Landslide Debris | 0 | 20 | 168.594 | 93.0069 | 255.534 | 0 | 255.534 | 295.85 | 295.85 |
| 14 | 1.32781 | 422.008 | 13.9763 | Landslide Debris | 0 | 20 | 180.279 | 99.4529 | 273.245 | 0 | 273.245 | 318.114 | 318.114 |
| 15 | 1.32781 | 450.722 | 14.5054 | Landslide Debris | 0 | 20 | 191.485 | 105.635 | 290.229 | 0 | 290.229 | 339.769 | 339.769 |
| 16 | 1.32781 | 477.697 | 15.0356 | Landslide Debris | 0 | 20 | 201.825 | 111.339 | 305.902 | 0 | 305.902 | 360.115 | 360.115 |
| 17 | 1.32781 | 502.92 | 15.5672 | Landslide Debris | 0 | 20 | 211.307 | 116.57 | 320.274 | 0 | 320.274 | 379.142 | 379.142 |
| 18 | 1.32781 | 526.378 | 16.1002 | Landslide Debris | 0 | 20 | 219.939 | 121.332 | 333.355 | 0 | 333.355 | 396.839 | 396.839 |
| 19 | 1.32781 | 548.057 | 16.6346 | Landslide Debris | 0 | 20 | 227.725 | 125.627 | 345.157 | 0 | 345.157 | 413.195 | 413.195 |
| 20 | 1.32781 | 567.943 | 17.1705 | Landslide Debris | 0 | 20 | 234.673 | 129.46 | 355.689 | 0 | 355.689 | 428.2 | 428.2 |
| 21 | 1.32781 | 586.019 | 17.708 | Landslide Debris | 0 | 20 | 240.789 | 132.834 | 364.959 | 0 | 364.959 | 441.842 | 441.842 |
| 22 | 1.32781 | 602.269 | 18.247 | Landslide Debris | 0 | 20 | 246.08 | 135.753 | 372.977 | 0 | 372.977 | 454.108 | 454.108 |
| 23 | 1.32781 | 616.678 | 18.7878 | Landslide Debris | 0 | 20 | 250.549 | 138.218 | 379.752 | 0 | 379.752 | 464.986 | 464.986 |
| 24 | 1.32781 | 629.227 | 19.3303 | Landslide Debris | 0 | 20 | 254.203 | 140.234 | 385.291 | 0 | 385.291 | 474.462 | 474.462 |
| 25 | 1.32781 | 639.898 | 19.8746 | Landslide Debris | 0 | 20 | 257.049 | 141.804 | 389.603 | 0 | 389.603 | 482.524 | 482.524 |
| 26 | 1.32781 | 648.672 | 20.4207 | Landslide Debris | 0 | 20 | 259.088 | 142.929 | 392.694 | 0 | 392.694 | 489.155 | 489.155 |
| 27 | 1.32781 | 655.529 | 20.9689 | Landslide Debris | 0 | 20 | 260.328 | 143.613 | 394.573 | 0 | 394.573 | 494.341 | 494.341 |
| 28 | 1.32781 | 660.448 | 21.519 | Landslide Debris | 0 | 20 | 260.771 | 143.857 | 395.244 | 0 | 395.244 | 498.064 | 498.064 |
| 29 | 1.32781 | 663.407 | 22.0712 | Landslide Debris | 0 | 20 | 260.423 | 143.665 | 394.717 | 0 | 394.717 | 500.311 | 500.311 |
| 30 | 1.32781 | 664.384 | 22.6256 | Landslide Debris | 0 | 20 | 259.288 | 143.039 | 392.996 | 0 | 392.996 | 501.063 | 501.063 |
| 31 | 1.32781 | 662.628 | 23.1822 | Landslide Debris | 0 | 20 | 257.087 | 141.825 | 389.66 | 0 | 389.66 | 499.753 | 499.753 |
| 32 | 1.32781 | 654.603 | 23.7412 | Landslide Debris | 0 | 20 | 252.476 | 139.281 | 382.67 | 0 | 382.67 | 493.716 | 493.716 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 1.32781 | 643.833 | 24.3026 | Landslide Debris | 0 | 20 | 246.845 | 136.175 | 374.139 | 0 | 374.139 | 485.607 | 485.607 |
| 34 | 1.32781 | 630.979 | 24.8665 | Landslide Debris | 0 | 20 | 240.47 | 132.658 | 364.475 | 0 | 364.475 | 475.927 | 475.927 |
| 35 | 1.32781 | 616.012 | 25.4329 | Landslide Debris | 0 | 20 | 233.352 | 128.731 | 353.684 | 0 | 353.684 | 464.652 | 464.652 |
| 36 | 1.32781 | 598.903 | 26.002 | Landslide Debris | 0 | 20 | 225.49 | 124.394 | 341.771 | 0 | 341.771 | 451.76 | 451.76 |
| 37 | 1.32781 | 579.62 | 26.5739 | Landslide Debris | 0 | 20 | 216.892 | 119.651 | 328.739 | 0 | 328.739 | 437.227 | 437.227 |
| 38 | 1.32781 | 558.132 | 27.1487 | Landslide Debris | 0 | 20 | 207.56 | 114.503 | 314.594 | 0 | 314.594 | 421.031 | 421.031 |
| 39 | 1.32781 | 534.404 | 27.7264 | Landslide Debris | 0 | 20 | 197.496 | 108.951 | 299.34 | 0 | 299.34 | 403.144 | 403.144 |
| 40 | 1.32781 | 508.4 | 28.3073 | Landslide Debris | 0 | 20 | 186.702 | 102.996 | 282.98 | 0 | 282.98 | 383.539 | 383.539 |
| 41 | 1.32781 | 477.765 | 28.8913 | Landslide Debris | 0 | 20 | 174.335 | 96.1739 | 264.235 | 0 | 264.235 | 360.439 | 360.439 |
| 42 | 1.32781 | 438.421 | 29.4786 | Landslide Debris | 0 | 20 | 158.949 | 87.6862 | 240.916 | 0 | 240.916 | 330.767 | 330.767 |
| 43 | 1.32781 | 396.321 | 30.0693 | Landslide Debris | 0 | 20 | 142.752 | 78.7505 | 216.366 | 0 | 216.366 | 299.014 | 299.014 |
| 44 | 1.32781 | 351.786 | 30.6636 | Landslide Debris | 0 | 20 | 125.877 | 69.4415 | 190.789 | 0 | 190.789 | 265.421 | 265.421 |
| 45 | 1.32781 | 304.772 | 31.2616 | Landslide Debris | 0 | 20 | 108.329 | 59.7607 | 164.191 | 0 | 164.191 | 229.957 | 229.957 |
| 46 | 1.32781 | 255.231 | 31.8634 | Landslide Debris | 0 | 20 | 90.1084 | 49.7093 | 136.575 | 0 | 136.575 | 192.583 | 192.583 |
| 47 | 1.32781 | 203.114 | 32.4691 | Landslide Debris | 0 | 20 | 71.2195 | 39.289 | 107.945 | 0 | 107.945 | 153.263 | 153.263 |
| 48 | 1.32781 | 148.37 | 33.0789 | Landslide Debris | 0 | 20 | 51.6642 | 28.5011 | 78.3064 | 0 | 78.3064 | 111.959 | 111.959 |
| 49 | 1.32781 | 90.9426 | 33.693 | Landslide Debris | 0 | 20 | 31.4452 | 17.3471 | 47.6609 | 0 | 47.6609 | 68.6268 | 68.6268 |
| 50 | 1.32781 | 30.7758 | 34.3115 | Landslide Debris | 0 | 20 | 10.5657 | 5.82866 | 16.0141 | 0 | 16.0141 | 23.2246 | 23.2246 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.539656

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.915922 | 13.989 | 1.35417 | Landslide Debris | 0 | 20 | 10.1394 | 5.47181 | 15.0337 | 0 | 15.0337 | 15.2733 | 15.2733 |
| 2 | 0.915922 | 41.4186 | 2.10268 | Landslide Debris | 0 | 20 | 29.7627 | 16.0616 | 44.1288 | 0 | 44.1288 | 45.2216 | 45.2216 |
| 3 | 0.915922 | 67.7504 | 2.85155 | Landslide Debris | 0 | 20 | 48.2685 | 26.0484 | 71.5674 | 0 | 71.5674 | 73.9716 | 73.9716 |
| 4 | 0.915922 | 92.9826 | 3.60091 | Landslide Debris | 0 | 20 | 65.6831 | 35.4463 | 97.3879 | 0 | 97.3879 | 101.521 | 101.521 |
| 5 | 0.915922 | 117.113 | 4.35089 | Landslide Debris | 0 | 20 | 82.0311 | 44.2686 | 121.627 | 0 | 121.627 | 127.868 | 127.868 |
| 6 | 0.915922 | 140.159 | 5.10161 | Landslide Debris | 0 | 20 | 97.3507 | 52.5359 | 144.341 | 0 | 144.341 | 153.032 | 153.032 |
| 7 | 0.915922 | 165.013 | 5.85322 | Landslide Debris | 0 | 20 | 113.657 | 61.3356 | 168.518 | 0 | 168.518 | 180.169 | 180.169 |
| 8 | 0.915922 | 190.81 | 6.60584 | Landslide Debris | 0 | 20 | 130.333 | 70.3351 | 193.244 | 0 | 193.244 | 208.337 | 208.337 |
| 9 | 0.915922 | 215.489 | 7.3596 | Landslide Debris | 0 | 20 | 145.972 | 78.7747 | 216.431 | 0 | 216.431 | 235.285 | 235.285 |
| 10 | 0.915922 | 239.046 | 8.11465 | Landslide Debris | 0 | 20 | 160.593 | 86.6649 | 238.11 | 0 | 238.11 | 261.008 | 261.008 |
| 11 | 0.915922 | 261.473 | 8.87112 | Landslide Debris | 0 | 20 | 174.214 | 94.0156 | 258.305 | 0 | 258.305 | 285.497 | 285.497 |
| 12 | 0.915922 | 282.764 | 9.62915 | Landslide Debris | 0 | 20 | 186.852 | 100.836 | 277.045 | 0 | 277.045 | 308.747 | 308.747 |
| 13 | 0.915922 | 302.912 | 10.3889 | Landslide Debris | 0 | 20 | 198.525 | 107.135 | 294.351 | 0 | 294.351 | 330.747 | 330.747 |
| 14 | 0.915922 | 321.909 | 11.1505 | Landslide Debris | 0 | 20 | 209.246 | 112.921 | 310.249 | 0 | 310.249 | 351.493 | 351.493 |
| 15 | 0.915922 | 339.746 | 11.9141 | Landslide Debris | 0 | 20 | 219.032 | 118.202 | 324.757 | 0 | 324.757 | 370.971 | 370.971 |
| 16 | 0.915922 | 356.413 | 12.6798 | Landslide Debris | 0 | 20 | 227.895 | 122.985 | 337.898 | 0 | 337.898 | 389.172 | 389.172 |
| 17 | 0.915922 | 371.901 | 13.4479 | Landslide Debris | 0 | 20 | 235.848 | 127.277 | 349.69 | 0 | 349.69 | 406.085 | 406.085 |
| 18 | 0.915922 | 386.197 | 14.2184 | Landslide Debris | 0 | 20 | 242.903 | 131.084 | 360.151 | 0 | 360.151 | 421.698 | 421.698 |
| 19 | 0.915922 | 399.291 | 14.9915 | Landslide Debris | 0 | 20 | 249.073 | 134.414 | 369.299 | 0 | 369.299 | 435.998 | 435.998 |
| 20 | 0.915922 | 411.169 | 15.7675 | Landslide Debris | 0 | 20 | 254.368 | 137.271 | 377.149 | 0 | 377.149 | 448.972 | 448.972 |
| 21 | 0.915922 | 421.818 | 16.5464 | Landslide Debris | 0 | 20 | 258.796 | 139.661 | 383.714 | 0 | 383.714 | 460.602 | 460.602 |
| 22 | 0.915922 | 431.224 | 17.3286 | Landslide Debris | 0 | 20 | 262.369 | 141.589 | 389.013 | 0 | 389.013 | 470.875 | 470.875 |
| 23 | 0.915922 | 439.37 | 18.114 | Landslide Debris | 0 | 20 | 265.095 | 143.06 | 393.054 | 0 | 393.054 | 479.772 | 479.772 |
| 24 | 0.915922 | 446.239 | 18.903 | Landslide Debris | 0 | 20 | 266.981 | 144.078 | 395.852 | 0 | 395.852 | 487.276 | 487.276 |
| 25 | 0.915922 | 451.815 | 19.6957 | Landslide Debris | 0 | 20 | 268.039 | 144.649 | 397.419 | 0 | 397.419 | 493.368 | 493.368 |
| 26 | 0.915922 | 456.078 | 20.4924 | Landslide Debris | 0 | 20 | 268.271 | 144.774 | 397.764 | 0 | 397.764 | 498.026 | 498.026 |
| 27 | 0.915922 | 459.008 | 21.2932 | Landslide Debris | 0 | 20 | 267.687 | 144.459 | 396.898 | 0 | 396.898 | 501.228 | 501.228 |
| 28 | 0.915922 | 460.584 | 22.0984 | Landslide Debris | 0 | 20 | 266.292 | 143.706 | 394.829 | 0 | 394.829 | 502.951 | 502.951 |
| 29 | 0.915922 | 460.782 | 22.9083 | Landslide Debris | 0 | 20 | 264.092 | 142.519 | 391.568 | 0 | 391.568 | 503.17 | 503.17 |
| 30 | 0.915922 | 459.578 | 23.723 | Landslide Debris | 0 | 20 | 261.094 | 140.901 | 387.121 | 0 | 387.121 | 501.858 | 501.858 |
| 31 | 0.915922 | 456.946 | 24.5428 | Landslide Debris | 0 | 20 | 257.299 | 138.853 | 381.496 | 0 | 381.496 | 498.986 | 498.986 |
| 32 | 0.915922 | 452.858 | 25.3681 | Landslide Debris | 0 | 20 | 252.717 | 136.38 | 374.7 | 0 | 374.7 | 494.526 | 494.526 |
| 33 | 0.915922 | 446.222 | 26.199 | Landslide Debris | 0 | 20 | 246.759 | 133.165 | 365.867 | 0 | 365.867 | 487.282 | 487.282 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 0.915922 | 436.46 | 27.0359 | Landslide Debris | 0 | 20 | 239.149 | 129.058 | 354.583 | 0 | 354.583 | 476.624 | 476.624 |
| 35 | 0.915922 | 425.131 | 27.879 | Landslide Debris | 0 | 20 | 230.778 | 124.541 | 342.173 | 0 | 342.173 | 464.255 | 464.255 |
| 36 | 0.915922 | 412.216 | 28.7288 | Landslide Debris | 0 | 20 | 221.66 | 119.62 | 328.654 | 0 | 328.654 | 450.154 | 450.154 |
| 37 | 0.915922 | 397.675 | 29.5856 | Landslide Debris | 0 | 20 | 211.798 | 114.298 | 314.031 | 0 | 314.031 | 434.278 | 434.278 |
| 38 | 0.915922 | 381.468 | 30.4497 | Landslide Debris | 0 | 20 | 201.193 | 108.575 | 298.307 | 0 | 298.307 | 416.581 | 416.581 |
| 39 | 0.915922 | 363.551 | 31.3215 | Landslide Debris | 0 | 20 | 189.851 | 102.454 | 281.489 | 0 | 281.489 | 397.018 | 397.018 |
| 40 | 0.915922 | 343.876 | 32.2015 | Landslide Debris | 0 | 20 | 177.77 | 95.9347 | 263.579 | 0 | 263.579 | 375.533 | 375.533 |
| 41 | 0.915922 | 322.392 | 33.0901 | Landslide Debris | 0 | 20 | 164.957 | 89.0198 | 244.58 | 0 | 244.58 | 352.073 | 352.073 |
| 42 | 0.915922 | 299.044 | 33.9877 | Landslide Debris | 0 | 20 | 151.412 | 81.7102 | 224.497 | 0 | 224.497 | 326.578 | 326.578 |
| 43 | 0.915922 | 273.774 | 34.8949 | Landslide Debris | 0 | 20 | 137.138 | 74.0071 | 203.333 | 0 | 203.333 | 298.983 | 298.983 |
| 44 | 0.915922 | 246.518 | 35.8123 | Landslide Debris | 0 | 20 | 122.137 | 65.9118 | 181.091 | 0 | 181.091 | 269.219 | 269.219 |
| 45 | 0.915922 | 217.207 | 36.7404 | Landslide Debris | 0 | 20 | 106.412 | 57.4258 | 157.776 | 0 | 157.776 | 237.21 | 237.21 |
| 46 | 0.915922 | 185.766 | 37.6799 | Landslide Debris | 0 | 20 | 89.9656 | 48.5505 | 133.391 | 0 | 133.391 | 202.874 | 202.874 |
| 47 | 0.915922 | 151.071 | 38.6314 | Landslide Debris | 0 | 20 | 72.3025 | 39.0185 | 107.203 | 0 | 107.203 | 164.986 | 164.986 |
| 48 | 0.915922 | 111.016 | 39.5957 | Landslide Debris | 0 | 20 | 52.4894 | 28.3262 | 77.8257 | 0 | 77.8257 | 121.242 | 121.242 |
| 49 | 0.915922 | 68.3664 | 40.5737 | Landslide Debris | 0 | 20 | 31.9214 | 17.2266 | 47.3296 | 0 | 47.3296 | 74.6642 | 74.6642 |
| 50 | 0.915922 | 23.2149 | 41.5662 | Landslide Debris | 0 | 20 | 10.7001 | 5.77437 | 15.8649 | 0 | 15.8649 | 25.3536 | 25.3536 |

## Cross Section E-E' - Master Scenario

### Global Minimum Query (bishop simplified) - Safety Factor: 0.771168

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.94803 | 25.4468 | 20.0969 | Landslide Debris | 0 | 20 | 5.2585 | 4.05519 | 11.1415 | 0 | 11.1415 | 13.0656 | 13.0656 |
| 2 | 1.94803 | 75.6474 | 20.2813 | Landslide Debris | 0 | 20 | 15.6094 | 12.0375 | 33.0727 | 0 | 33.0727 | 38.841 | 38.841 |
| 3 | 1.94803 | 124.46 | 20.4658 | Landslide Debris | 0 | 20 | 25.6438 | 19.7757 | 54.3333 | 0 | 54.3333 | 63.9037 | 63.9037 |
| 4 | 1.94803 | 171.879 | 20.6506 | Landslide Debris | 0 | 20 | 35.3619 | 27.27 | 74.9234 | 0 | 74.9234 | 88.2507 | 88.2507 |
| 5 | 1.94803 | 217.9 | 20.8355 | Landslide Debris | 0 | 20 | 44.764 | 34.5206 | 94.8445 | 0 | 94.8445 | 111.881 | 111.881 |
| 6 | 1.94803 | 273.207 | 21.0208 | Landslide Debris | 0 | 20 | 56.043 | 43.2186 | 118.742 | 0 | 118.742 | 140.278 | 140.278 |
| 7 | 1.94803 | 337.498 | 21.2062 | Landslide Debris | 0 | 20 | 69.1284 | 53.3096 | 146.467 | 0 | 146.467 | 173.289 | 173.289 |
| 8 | 1.94803 | 400.374 | 21.3919 | Landslide Debris | 0 | 20 | 81.8854 | 63.1474 | 173.496 | 0 | 173.496 | 205.573 | 205.573 |
| 9 | 1.94803 | 461.832 | 21.5778 | Landslide Debris | 0 | 20 | 94.3142 | 72.7321 | 199.83 | 0 | 199.83 | 237.129 | 237.129 |
| 10 | 1.94803 | 517.916 | 21.7639 | Landslide Debris | 0 | 20 | 105.61 | 81.4429 | 223.763 | 0 | 223.763 | 265.926 | 265.926 |
| 11 | 1.94803 | 533.713 | 21.9503 | Landslide Debris | 0 | 20 | 108.668 | 83.8015 | 230.243 | 0 | 230.243 | 274.038 | 274.038 |
| 12 | 1.94803 | 538.173 | 22.137 | Landslide Debris | 0 | 20 | 109.412 | 84.3751 | 231.818 | 0 | 231.818 | 276.328 | 276.328 |
| 13 | 1.94803 | 541.192 | 22.3239 | Landslide Debris | 0 | 20 | 109.86 | 84.7207 | 232.768 | 0 | 232.768 | 277.879 | 277.879 |
| 14 | 1.94803 | 542.762 | 22.511 | Landslide Debris | 0 | 20 | 110.013 | 84.8386 | 233.092 | 0 | 233.092 | 278.686 | 278.686 |
| 15 | 1.94803 | 542.88 | 22.6984 | Landslide Debris | 0 | 20 | 109.871 | 84.7287 | 232.79 | 0 | 232.79 | 278.747 | 278.747 |
| 16 | 1.94803 | 541.538 | 22.886 | Landslide Debris | 0 | 20 | 109.433 | 84.3913 | 231.863 | 0 | 231.863 | 278.058 | 278.058 |
| 17 | 1.94803 | 538.731 | 23.0739 | Landslide Debris | 0 | 20 | 108.7 | 83.8263 | 230.311 | 0 | 230.311 | 276.617 | 276.617 |
| 18 | 1.94803 | 534.452 | 23.2621 | Landslide Debris | 0 | 20 | 107.673 | 83.0339 | 228.134 | 0 | 228.134 | 274.421 | 274.421 |
| 19 | 1.94803 | 528.696 | 23.4505 | Landslide Debris | 0 | 20 | 106.351 | 82.0142 | 225.332 | 0 | 225.332 | 271.466 | 271.466 |
| 20 | 1.94803 | 521.456 | 23.6393 | Landslide Debris | 0 | 20 | 104.734 | 80.7672 | 221.906 | 0 | 221.906 | 267.748 | 267.748 |
| 21 | 1.94803 | 512.725 | 23.8282 | Landslide Debris | 0 | 20 | 102.822 | 79.293 | 217.856 | 0 | 217.856 | 263.266 | 263.266 |
| 22 | 1.94803 | 502.568 | 24.0175 | Landslide Debris | 0 | 20 | 100.63 | 77.6026 | 213.211 | 0 | 213.211 | 258.051 | 258.051 |
| 23 | 1.94803 | 508.695 | 24.207 | Landslide Debris | 0 | 20 | 101.699 | 78.4273 | 215.477 | 0 | 215.477 | 261.198 | 261.198 |
| 24 | 1.94803 | 527.077 | 24.3968 | Landslide Debris | 0 | 20 | 105.211 | 81.1355 | 222.918 | 0 | 222.918 | 270.637 | 270.637 |
| 25 | 1.94803 | 543.943 | 24.5869 | Landslide Debris | 0 | 20 | 108.409 | 83.6017 | 229.694 | 0 | 229.694 | 279.297 | 279.297 |
| 26 | 1.94803 | 559.284 | 24.7773 | Landslide Debris | 0 | 20 | 111.293 | 85.8257 | 235.804 | 0 | 235.804 | 287.176 | 287.176 |
| 27 | 1.94803 | 573.095 | 24.968 | Landslide Debris | 0 | 20 | 113.863 | 87.8076 | 241.249 | 0 | 241.249 | 294.267 | 294.267 |
| 28 | 1.94803 | 594.555 | 25.159 | Landslide Debris | 0 | 20 | 117.942 | 90.9528 | 249.891 | 0 | 249.891 | 305.287 | 305.287 |
| 29 | 1.94803 | 626.318 | 25.3503 | Landslide Debris | 0 | 20 | 124.047 | 95.6612 | 262.827 | 0 | 262.827 | 321.597 | 321.597 |
| 30 | 1.94803 | 656.576 | 25.5418 | Landslide Debris | 0 | 20 | 129.834 | 100.124 | 275.09 | 0 | 275.09 | 337.134 | 337.134 |
| 31 | 1.94803 | 685.274 | 25.7337 | Landslide Debris | 0 | 20 | 135.295 | 104.335 | 286.659 | 0 | 286.659 | 351.87 | 351.87 |
| 32 | 1.94803 | 712.404 | 25.9259 | Landslide Debris | 0 | 20 | 140.429 | 108.294 | 297.535 | 0 | 297.535 | 365.802 | 365.802 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 1.94803 | 737.959 | 26.1184 | Landslide Debris | 0 | 20 | 145.234 | 112 | 307.717 | 0 | 307.717 | 378.924 | 378.924 |
| 34 | 1.94803 | 761.931 | 26.3113 | Landslide Debris | 0 | 20 | 149.712 | 115.453 | 317.205 | 0 | 317.205 | 391.234 | 391.234 |
| 35 | 1.94803 | 784.313 | 26.5044 | Landslide Debris | 0 | 20 | 153.863 | 118.654 | 325.999 | 0 | 325.999 | 402.727 | 402.727 |
| 36 | 1.94803 | 805.096 | 26.6979 | Landslide Debris | 0 | 20 | 157.685 | 121.602 | 334.099 | 0 | 334.099 | 413.4 | 413.4 |
| 37 | 1.94803 | 830.608 | 26.8917 | Landslide Debris | 0 | 20 | 162.42 | 125.253 | 344.13 | 0 | 344.13 | 426.5 | 426.5 |
| 38 | 1.94803 | 873.284 | 27.0858 | Landslide Debris | 0 | 20 | 170.488 | 131.475 | 361.225 | 0 | 361.225 | 448.415 | 448.415 |
| 39 | 1.94803 | 915.574 | 27.2803 | Landslide Debris | 0 | 20 | 178.454 | 137.618 | 378.101 | 0 | 378.101 | 470.131 | 470.131 |
| 40 | 1.94803 | 956.232 | 27.4751 | Landslide Debris | 0 | 20 | 186.074 | 143.494 | 394.247 | 0 | 394.247 | 491.009 | 491.009 |
| 41 | 1.94803 | 973.634 | 27.6703 | Landslide Debris | 0 | 20 | 189.149 | 145.866 | 400.764 | 0 | 400.764 | 499.945 | 499.945 |
| 42 | 1.94803 | 896.159 | 27.8658 | Landslide Debris | 0 | 20 | 173.813 | 134.039 | 368.268 | 0 | 368.268 | 460.164 | 460.164 |
| 43 | 1.94803 | 806.304 | 28.0617 | Landslide Debris | 0 | 20 | 156.127 | 120.4 | 330.796 | 0 | 330.796 | 414.026 | 414.026 |
| 44 | 1.94803 | 714.782 | 28.2579 | Landslide Debris | 0 | 20 | 138.176 | 106.557 | 292.762 | 0 | 292.762 | 367.031 | 367.031 |
| 45 | 1.94803 | 621.583 | 28.4545 | Landslide Debris | 0 | 20 | 119.959 | 92.5088 | 254.166 | 0 | 254.166 | 319.175 | 319.175 |
| 46 | 1.94803 | 526.698 | 28.6514 | Landslide Debris | 0 | 20 | 101.478 | 78.2564 | 215.008 | 0 | 215.008 | 270.453 | 270.453 |
| 47 | 1.94803 | 430.118 | 28.8487 | Landslide Debris | 0 | 20 | 82.7309 | 63.7994 | 175.287 | 0 | 175.287 | 220.861 | 220.861 |
| 48 | 1.94803 | 331.832 | 29.0464 | Landslide Debris | 0 | 20 | 63.7188 | 49.1379 | 135.005 | 0 | 135.005 | 170.393 | 170.393 |
| 49 | 1.94803 | 231.832 | 29.2445 | Landslide Debris | 0 | 20 | 44.4413 | 34.2717 | 94.1609 | 0 | 94.1609 | 119.044 | 119.044 |
| 50 | 1.94803 | 96.2172 | 29.443 | Landslide Debris | 0 | 20 | 18.4132 | 14.1997 | 39.0133 | 0 | 39.0133 | 49.4068 | 49.4068 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.769353

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.94803 | 25.4468 | 20.0969 | Landslide Debris | 0 | 20 | 5.26765 | 4.05268 | 11.1347 | 0 | 11.1347 | 13.062 | 13.062 |
| 2 | 1.94803 | 75.6474 | 20.2813 | Landslide Debris | 0 | 20 | 15.6365 | 12.03 | 33.0521 | 0 | 33.0521 | 38.8304 | 38.8304 |
| 3 | 1.94803 | 124.46 | 20.4658 | Landslide Debris | 0 | 20 | 25.6882 | 19.7633 | 54.2992 | 0 | 54.2992 | 63.8862 | 63.8862 |
| 4 | 1.94803 | 171.879 | 20.6506 | Landslide Debris | 0 | 20 | 35.4229 | 27.2527 | 74.8764 | 0 | 74.8764 | 88.2266 | 88.2266 |
| 5 | 1.94803 | 217.9 | 20.8355 | Landslide Debris | 0 | 20 | 44.8411 | 34.4986 | 94.784 | 0 | 94.784 | 111.849 | 111.849 |
| 6 | 1.94803 | 273.207 | 21.0208 | Landslide Debris | 0 | 20 | 56.1391 | 43.1908 | 118.665 | 0 | 118.665 | 140.239 | 140.239 |
| 7 | 1.94803 | 337.498 | 21.2062 | Landslide Debris | 0 | 20 | 69.2465 | 53.275 | 146.372 | 0 | 146.372 | 173.239 | 173.239 |
| 8 | 1.94803 | 400.374 | 21.3919 | Landslide Debris | 0 | 20 | 82.0249 | 63.1061 | 173.382 | 0 | 173.382 | 205.514 | 205.514 |
| 9 | 1.94803 | 461.832 | 21.5778 | Landslide Debris | 0 | 20 | 94.4743 | 72.6841 | 199.698 | 0 | 199.698 | 237.061 | 237.061 |
| 10 | 1.94803 | 517.916 | 21.7639 | Landslide Debris | 0 | 20 | 105.789 | 81.3887 | 223.614 | 0 | 223.614 | 265.849 | 265.849 |
| 11 | 1.94803 | 533.713 | 21.9503 | Landslide Debris | 0 | 20 | 108.852 | 83.7453 | 230.089 | 0 | 230.089 | 273.958 | 273.958 |
| 12 | 1.94803 | 538.173 | 22.137 | Landslide Debris | 0 | 20 | 109.596 | 84.3181 | 231.662 | 0 | 231.662 | 276.247 | 276.247 |
| 13 | 1.94803 | 541.192 | 22.3239 | Landslide Debris | 0 | 20 | 110.044 | 84.663 | 232.61 | 0 | 232.61 | 277.796 | 277.796 |
| 14 | 1.94803 | 542.762 | 22.511 | Landslide Debris | 0 | 20 | 110.197 | 84.7804 | 232.932 | 0 | 232.932 | 278.602 | 278.602 |
| 15 | 1.94803 | 542.88 | 22.6984 | Landslide Debris | 0 | 20 | 110.054 | 84.6701 | 232.629 | 0 | 232.629 | 278.662 | 278.662 |
| 16 | 1.94803 | 541.538 | 22.886 | Landslide Debris | 0 | 20 | 109.615 | 84.3325 | 231.702 | 0 | 231.702 | 277.973 | 277.973 |
| 17 | 1.94803 | 538.731 | 23.0739 | Landslide Debris | 0 | 20 | 108.88 | 83.7675 | 230.149 | 0 | 230.149 | 276.532 | 276.532 |
| 18 | 1.94803 | 534.452 | 23.2621 | Landslide Debris | 0 | 20 | 107.851 | 82.9752 | 227.972 | 0 | 227.972 | 274.336 | 274.336 |
| 19 | 1.94803 | 528.696 | 23.4505 | Landslide Debris | 0 | 20 | 106.525 | 81.9557 | 225.172 | 0 | 225.172 | 271.381 | 271.381 |
| 20 | 1.94803 | 521.456 | 23.6393 | Landslide Debris | 0 | 20 | 104.905 | 80.7092 | 221.747 | 0 | 221.747 | 267.664 | 267.664 |
| 21 | 1.94803 | 512.725 | 23.8282 | Landslide Debris | 0 | 20 | 102.99 | 79.2356 | 217.698 | 0 | 217.698 | 263.183 | 263.183 |
| 22 | 1.94803 | 502.568 | 24.0175 | Landslide Debris | 0 | 20 | 100.794 | 77.546 | 213.056 | 0 | 213.056 | 257.969 | 257.969 |
| 23 | 1.94803 | 508.695 | 24.207 | Landslide Debris | 0 | 20 | 101.864 | 78.3697 | 215.319 | 0 | 215.319 | 261.114 | 261.114 |
| 24 | 1.94803 | 527.077 | 24.3968 | Landslide Debris | 0 | 20 | 105.381 | 81.0755 | 222.753 | 0 | 222.753 | 270.549 | 270.549 |
| 25 | 1.94803 | 543.943 | 24.5869 | Landslide Debris | 0 | 20 | 108.584 | 83.5394 | 229.523 | 0 | 229.523 | 279.206 | 279.206 |
| 26 | 1.94803 | 559.284 | 24.7773 | Landslide Debris | 0 | 20 | 111.472 | 85.7613 | 235.627 | 0 | 235.627 | 287.081 | 287.081 |
| 27 | 1.94803 | 573.095 | 24.968 | Landslide Debris | 0 | 20 | 114.046 | 87.7413 | 241.067 | 0 | 241.067 | 294.17 | 294.17 |
| 28 | 1.94803 | 594.555 | 25.159 | Landslide Debris | 0 | 20 | 118.13 | 90.8836 | 249.7 | 0 | 249.7 | 305.185 | 305.185 |
| 29 | 1.94803 | 626.318 | 25.3503 | Landslide Debris | 0 | 20 | 124.245 | 95.5879 | 262.625 | 0 | 262.625 | 321.489 | 321.489 |
| 30 | 1.94803 | 656.576 | 25.5418 | Landslide Debris | 0 | 20 | 130.04 | 100.047 | 274.877 | 0 | 274.877 | 337.02 | 337.02 |
| 31 | 1.94803 | 685.274 | 25.7337 | Landslide Debris | 0 | 20 | 135.509 | 104.254 | 286.436 | 0 | 286.436 | 351.751 | 351.751 |
| 32 | 1.94803 | 712.404 | 25.9259 | Landslide Debris | 0 | 20 | 140.649 | 108.209 | 297.302 | 0 | 297.302 | 365.676 | 365.676 |
| 33 | 1.94803 | 737.959 | 26.1184 | Landslide Debris | 0 | 20 | 145.462 | 111.912 | 307.474 | 0 | 307.474 | 378.794 | 378.794 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 1.94803 | 761.931 | 26.3113 | Landslide Debris | 0 | 20 | 149.947 | 115.362 | 316.954 | 0 | 316.954 | 391.099 | 391.099 |
| 35 | 1.94803 | 784.313 | 26.5044 | Landslide Debris | 0 | 20 | 154.102 | 118.559 | 325.739 | 0 | 325.739 | 402.586 | 402.586 |
| 36 | 1.94803 | 805.096 | 26.6979 | Landslide Debris | 0 | 20 | 157.93 | 121.504 | 333.831 | 0 | 333.831 | 413.254 | 413.254 |
| 37 | 1.94803 | 830.608 | 26.8917 | Landslide Debris | 0 | 20 | 162.672 | 125.152 | 343.851 | 0 | 343.851 | 426.35 | 426.35 |
| 38 | 1.94803 | 873.284 | 27.0858 | Landslide Debris | 0 | 20 | 170.751 | 131.368 | 360.93 | 0 | 360.93 | 448.254 | 448.254 |
| 39 | 1.94803 | 915.574 | 27.2803 | Landslide Debris | 0 | 20 | 178.728 | 137.505 | 377.791 | 0 | 377.791 | 469.962 | 469.962 |
| 40 | 1.94803 | 956.232 | 27.4751 | Landslide Debris | 0 | 20 | 186.359 | 143.376 | 393.921 | 0 | 393.921 | 490.831 | 490.831 |
| 41 | 1.94803 | 973.634 | 27.6703 | Landslide Debris | 0 | 20 | 189.438 | 145.745 | 400.431 | 0 | 400.431 | 499.763 | 499.763 |
| 42 | 1.94803 | 896.159 | 27.8658 | Landslide Debris | 0 | 20 | 174.076 | 133.926 | 367.96 | 0 | 367.96 | 459.995 | 459.995 |
| 43 | 1.94803 | 806.304 | 28.0617 | Landslide Debris | 0 | 20 | 156.363 | 120.298 | 330.517 | 0 | 330.517 | 413.873 | 413.873 |
| 44 | 1.94803 | 714.782 | 28.2579 | Landslide Debris | 0 | 20 | 138.384 | 106.466 | 292.514 | 0 | 292.514 | 366.894 | 366.894 |
| 45 | 1.94803 | 621.583 | 28.4545 | Landslide Debris | 0 | 20 | 120.14 | 92.4298 | 253.949 | 0 | 253.949 | 319.056 | 319.056 |
| 46 | 1.94803 | 526.698 | 28.6514 | Landslide Debris | 0 | 20 | 101.63 | 78.1892 | 214.823 | 0 | 214.823 | 270.352 | 270.352 |
| 47 | 1.94803 | 430.118 | 28.8487 | Landslide Debris | 0 | 20 | 82.8543 | 63.7442 | 175.136 | 0 | 175.136 | 220.777 | 220.777 |
| 48 | 1.94803 | 331.832 | 29.0464 | Landslide Debris | 0 | 20 | 63.8135 | 49.0951 | 134.887 | 0 | 134.887 | 170.328 | 170.328 |
| 49 | 1.94803 | 231.832 | 29.2445 | Landslide Debris | 0 | 20 | 44.5071 | 34.2417 | 94.0785 | 0 | 94.0785 | 118.998 | 118.998 |
| 50 | 1.94803 | 96.2172 | 29.443 | Landslide Debris | 0 | 20 | 18.4403 | 14.1871 | 38.9789 | 0 | 38.9789 | 49.3877 | 49.3877 |

## Cross Section E-E' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 0.46377

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.94803 | 25.4468 | 20.0969 | Landslide Debris | 0 | 20 | 7.97214 | 3.69724 | 10.1581 | 0 | 10.1581 | 13.075 | 13.075 |
| 2 | 1.94803 | 75.6474 | 20.2813 | Landslide Debris | 0 | 20 | 23.6469 | 10.9667 | 30.1307 | 0 | 30.1307 | 38.8692 | 38.8692 |
| 3 | 1.94803 | 124.46 | 20.4658 | Landslide Debris | 0 | 20 | 38.819 | 18.0031 | 49.4629 | 0 | 49.4629 | 63.9503 | 63.9503 |
| 4 | 1.94803 | 171.879 | 20.6506 | Landslide Debris | 0 | 20 | 53.4899 | 24.807 | 68.1567 | 0 | 68.1567 | 88.3161 | 88.3161 |
| 5 | 1.94803 | 217.9 | 20.8355 | Landslide Debris | 0 | 20 | 67.6611 | 31.3792 | 86.2139 | 0 | 86.2139 | 111.964 | 111.964 |
| 6 | 1.94803 | 273.207 | 21.0208 | Landslide Debris | 0 | 20 | 84.6458 | 39.2562 | 107.856 | 0 | 107.856 | 140.383 | 140.383 |
| 7 | 1.94803 | 337.498 | 21.2062 | Landslide Debris | 0 | 20 | 104.331 | 48.3858 | 132.939 | 0 | 132.939 | 173.419 | 173.419 |
| 8 | 1.94803 | 400.374 | 21.3919 | Landslide Debris | 0 | 20 | 123.492 | 57.272 | 157.353 | 0 | 157.353 | 205.729 | 205.729 |
| 9 | 1.94803 | 461.832 | 21.5778 | Landslide Debris | 0 | 20 | 142.13 | 65.9154 | 181.101 | 0 | 181.101 | 237.31 | 237.31 |
| 10 | 1.94803 | 517.916 | 21.7639 | Landslide Debris | 0 | 20 | 159.032 | 73.7545 | 202.639 | 0 | 202.639 | 266.131 | 266.131 |
| 11 | 1.94803 | 533.713 | 21.9503 | Landslide Debris | 0 | 20 | 163.515 | 75.8335 | 208.351 | 0 | 208.351 | 274.251 | 274.251 |
| 12 | 1.94803 | 538.173 | 22.137 | Landslide Debris | 0 | 20 | 164.511 | 76.2953 | 209.62 | 0 | 209.62 | 276.545 | 276.545 |
| 13 | 1.94803 | 541.192 | 22.3239 | Landslide Debris | 0 | 20 | 165.061 | 76.5504 | 210.321 | 0 | 210.321 | 278.098 | 278.098 |
| 14 | 1.94803 | 542.762 | 22.511 | Landslide Debris | 0 | 20 | 165.167 | 76.5994 | 210.455 | 0 | 210.455 | 278.906 | 278.906 |
| 15 | 1.94803 | 542.88 | 22.6984 | Landslide Debris | 0 | 20 | 164.829 | 76.4428 | 210.025 | 0 | 210.025 | 278.969 | 278.969 |
| 16 | 1.94803 | 541.538 | 22.886 | Landslide Debris | 0 | 20 | 164.049 | 76.0811 | 209.031 | 0 | 209.031 | 278.281 | 278.281 |
| 17 | 1.94803 | 538.731 | 23.0739 | Landslide Debris | 0 | 20 | 162.829 | 75.515 | 207.476 | 0 | 207.476 | 276.84 | 276.84 |
| 18 | 1.94803 | 534.452 | 23.2621 | Landslide Debris | 0 | 20 | 161.168 | 74.745 | 205.36 | 0 | 205.36 | 274.644 | 274.644 |
| 19 | 1.94803 | 528.696 | 23.4505 | Landslide Debris | 0 | 20 | 159.069 | 73.7716 | 202.686 | 0 | 202.686 | 271.688 | 271.688 |
| 20 | 1.94803 | 521.456 | 23.6393 | Landslide Debris | 0 | 20 | 156.533 | 72.5953 | 199.454 | 0 | 199.454 | 267.969 | 267.969 |
| 21 | 1.94803 | 512.725 | 23.8282 | Landslide Debris | 0 | 20 | 153.56 | 71.2166 | 195.666 | 0 | 195.666 | 263.485 | 263.485 |
| 22 | 1.94803 | 502.568 | 24.0175 | Landslide Debris | 0 | 20 | 150.173 | 69.6459 | 191.35 | 0 | 191.35 | 258.267 | 258.267 |
| 23 | 1.94803 | 508.695 | 24.207 | Landslide Debris | 0 | 20 | 151.655 | 70.333 | 193.238 | 0 | 193.238 | 261.417 | 261.417 |
| 24 | 1.94803 | 527.077 | 24.3968 | Landslide Debris | 0 | 20 | 156.774 | 72.7069 | 199.761 | 0 | 199.761 | 270.866 | 270.866 |
| 25 | 1.94803 | 543.943 | 24.5869 | Landslide Debris | 0 | 20 | 161.417 | 74.8603 | 205.677 | 0 | 205.677 | 279.535 | 279.535 |
| 26 | 1.94803 | 559.284 | 24.7773 | Landslide Debris | 0 | 20 | 165.586 | 76.7938 | 210.989 | 0 | 210.989 | 287.421 | 287.421 |
| 27 | 1.94803 | 573.095 | 24.968 | Landslide Debris | 0 | 20 | 169.282 | 78.5078 | 215.698 | 0 | 215.698 | 294.521 | 294.521 |
| 28 | 1.94803 | 594.555 | 25.159 | Landslide Debris | 0 | 20 | 175.213 | 81.2584 | 223.256 | 0 | 223.256 | 305.551 | 305.551 |
| 29 | 1.94803 | 626.318 | 25.3503 | Landslide Debris | 0 | 20 | 184.144 | 85.4003 | 234.636 | 0 | 234.636 | 321.878 | 321.878 |
| 30 | 1.94803 | 656.576 | 25.5418 | Landslide Debris | 0 | 20 | 192.589 | 89.3171 | 245.397 | 0 | 245.397 | 337.43 | 337.43 |
| 31 | 1.94803 | 685.274 | 25.7337 | Landslide Debris | 0 | 20 | 200.537 | 93.0029 | 255.524 | 0 | 255.524 | 352.181 | 352.181 |
| 32 | 1.94803 | 712.404 | 25.9259 | Landslide Debris | 0 | 20 | 207.987 | 96.4582 | 265.017 | 0 | 265.017 | 366.126 | 366.126 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 1.94803 | 737.959 | 26.1184 | Landslide Debris | 0 | 20 | 214.942 | 99.6835 | 273.878 | 0 | 273.878 | 379.263 | 379.263 |
| 34 | 1.94803 | 761.931 | 26.3113 | Landslide Debris | 0 | 20 | 221.401 | 102.679 | 282.108 | 0 | 282.108 | 391.585 | 391.585 |
| 35 | 1.94803 | 784.313 | 26.5044 | Landslide Debris | 0 | 20 | 227.365 | 105.445 | 289.709 | 0 | 289.709 | 403.091 | 403.091 |
| 36 | 1.94803 | 805.096 | 26.6979 | Landslide Debris | 0 | 20 | 232.837 | 107.983 | 296.681 | 0 | 296.681 | 413.775 | 413.775 |
| 37 | 1.94803 | 830.608 | 26.8917 | Landslide Debris | 0 | 20 | 239.645 | 111.14 | 305.355 | 0 | 305.355 | 426.89 | 426.89 |
| 38 | 1.94803 | 873.284 | 27.0858 | Landslide Debris | 0 | 20 | 251.357 | 116.572 | 320.279 | 0 | 320.279 | 448.827 | 448.827 |
| 39 | 1.94803 | 915.574 | 27.2803 | Landslide Debris | 0 | 20 | 262.9 | 121.925 | 334.987 | 0 | 334.987 | 470.565 | 470.565 |
| 40 | 1.94803 | 956.232 | 27.4751 | Landslide Debris | 0 | 20 | 273.916 | 127.034 | 349.024 | 0 | 349.024 | 491.465 | 491.465 |
| 41 | 1.94803 | 973.634 | 27.6703 | Landslide Debris | 0 | 20 | 278.231 | 129.035 | 354.522 | 0 | 354.522 | 500.412 | 500.412 |
| 42 | 1.94803 | 896.159 | 27.8658 | Landslide Debris | 0 | 20 | 255.474 | 118.481 | 325.525 | 0 | 325.525 | 460.596 | 460.596 |
| 43 | 1.94803 | 806.304 | 28.0617 | Landslide Debris | 0 | 20 | 229.303 | 106.344 | 292.178 | 0 | 292.178 | 414.417 | 414.417 |
| 44 | 1.94803 | 714.782 | 28.2579 | Landslide Debris | 0 | 20 | 202.783 | 94.0445 | 258.385 | 0 | 258.385 | 367.38 | 367.38 |
| 45 | 1.94803 | 621.583 | 28.4545 | Landslide Debris | 0 | 20 | 175.913 | 81.5833 | 224.148 | 0 | 224.148 | 319.48 | 319.48 |
| 46 | 1.94803 | 526.698 | 28.6514 | Landslide Debris | 0 | 20 | 148.696 | 68.9609 | 189.468 | 0 | 189.468 | 270.713 | 270.713 |
| 47 | 1.94803 | 430.118 | 28.8487 | Landslide Debris | 0 | 20 | 121.133 | 56.1777 | 154.347 | 0 | 154.347 | 221.075 | 221.075 |
| 48 | 1.94803 | 331.832 | 29.0464 | Landslide Debris | 0 | 20 | 93.2234 | 43.2342 | 118.785 | 0 | 118.785 | 170.558 | 170.558 |
| 49 | 1.94803 | 231.832 | 29.2445 | Landslide Debris | 0 | 20 | 64.9693 | 30.1308 | 82.7835 | 0 | 82.7835 | 119.16 | 119.16 |
| 50 | 1.94803 | 96.2172 | 29.443 | Landslide Debris | 0 | 20 | 26.8976 | 12.4743 | 34.2728 | 0 | 34.2728 | 49.4554 | 49.4554 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.46188

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.94803 | 25.4468 | 20.0969 | Landslide Debris | 0 | 20 | 7.99532 | 3.69288 | 10.1461 | 0 | 10.1461 | 13.0715 | 13.0715 |
| 2 | 1.94803 | 75.6474 | 20.2813 | Landslide Debris | 0 | 20 | 23.7155 | 10.9537 | 30.095 | 0 | 30.095 | 38.8588 | 38.8588 |
| 3 | 1.94803 | 124.46 | 20.4658 | Landslide Debris | 0 | 20 | 38.9311 | 17.9815 | 49.4037 | 0 | 49.4037 | 63.933 | 63.933 |
| 4 | 1.94803 | 171.879 | 20.6506 | Landslide Debris | 0 | 20 | 53.644 | 24.7771 | 68.0745 | 0 | 68.0745 | 88.292 | 88.292 |
| 5 | 1.94803 | 217.9 | 20.8355 | Landslide Debris | 0 | 20 | 67.8555 | 31.3411 | 86.1088 | 0 | 86.1088 | 111.933 | 111.933 |
| 6 | 1.94803 | 273.207 | 21.0208 | Landslide Debris | 0 | 20 | 84.8883 | 39.2082 | 107.723 | 0 | 107.723 | 140.344 | 140.344 |
| 7 | 1.94803 | 337.498 | 21.2062 | Landslide Debris | 0 | 20 | 104.629 | 48.3261 | 132.775 | 0 | 132.775 | 173.371 | 173.371 |
| 8 | 1.94803 | 400.374 | 21.3919 | Landslide Debris | 0 | 20 | 123.843 | 57.2008 | 157.158 | 0 | 157.158 | 205.671 | 205.671 |
| 9 | 1.94803 | 461.832 | 21.5778 | Landslide Debris | 0 | 20 | 142.532 | 65.8329 | 180.874 | 0 | 180.874 | 237.243 | 237.243 |
| 10 | 1.94803 | 517.916 | 21.7639 | Landslide Debris | 0 | 20 | 159.482 | 73.6615 | 202.383 | 0 | 202.383 | 266.055 | 266.055 |
| 11 | 1.94803 | 533.713 | 21.9503 | Landslide Debris | 0 | 20 | 163.976 | 75.7372 | 208.086 | 0 | 208.086 | 274.172 | 274.172 |
| 12 | 1.94803 | 538.173 | 22.137 | Landslide Debris | 0 | 20 | 164.973 | 76.1977 | 209.352 | 0 | 209.352 | 276.464 | 276.464 |
| 13 | 1.94803 | 541.192 | 22.3239 | Landslide Debris | 0 | 20 | 165.523 | 76.4518 | 210.05 | 0 | 210.05 | 278.016 | 278.016 |
| 14 | 1.94803 | 542.762 | 22.511 | Landslide Debris | 0 | 20 | 165.627 | 76.5 | 210.182 | 0 | 210.182 | 278.825 | 278.825 |
| 15 | 1.94803 | 542.88 | 22.6984 | Landslide Debris | 0 | 20 | 165.287 | 76.3429 | 209.75 | 0 | 209.75 | 278.886 | 278.886 |
| 16 | 1.94803 | 541.538 | 22.886 | Landslide Debris | 0 | 20 | 164.504 | 75.9811 | 208.756 | 0 | 208.756 | 278.198 | 278.198 |
| 17 | 1.94803 | 538.731 | 23.0739 | Landslide Debris | 0 | 20 | 163.278 | 75.415 | 207.201 | 0 | 207.201 | 276.757 | 276.757 |
| 18 | 1.94803 | 534.452 | 23.2621 | Landslide Debris | 0 | 20 | 161.612 | 74.6453 | 205.087 | 0 | 205.087 | 274.561 | 274.561 |
| 19 | 1.94803 | 528.696 | 23.4505 | Landslide Debris | 0 | 20 | 159.506 | 73.6725 | 202.414 | 0 | 202.414 | 271.605 | 271.605 |
| 20 | 1.94803 | 521.456 | 23.6393 | Landslide Debris | 0 | 20 | 156.961 | 72.4971 | 199.184 | 0 | 199.184 | 267.887 | 267.887 |
| 21 | 1.94803 | 512.725 | 23.8282 | Landslide Debris | 0 | 20 | 153.979 | 71.1197 | 195.4 | 0 | 195.4 | 263.403 | 263.403 |
| 22 | 1.94803 | 502.568 | 24.0175 | Landslide Debris | 0 | 20 | 150.581 | 69.5505 | 191.088 | 0 | 191.088 | 258.187 | 258.187 |
| 23 | 1.94803 | 508.695 | 24.207 | Landslide Debris | 0 | 20 | 152.065 | 70.236 | 192.972 | 0 | 192.972 | 261.335 | 261.335 |
| 24 | 1.94803 | 527.077 | 24.3968 | Landslide Debris | 0 | 20 | 157.197 | 72.606 | 199.483 | 0 | 199.483 | 270.78 | 270.78 |
| 25 | 1.94803 | 543.943 | 24.5869 | Landslide Debris | 0 | 20 | 161.851 | 74.7558 | 205.39 | 0 | 205.39 | 279.447 | 279.447 |
| 26 | 1.94803 | 559.284 | 24.7773 | Landslide Debris | 0 | 20 | 166.03 | 76.6858 | 210.693 | 0 | 210.693 | 287.33 | 287.33 |
| 27 | 1.94803 | 573.095 | 24.968 | Landslide Debris | 0 | 20 | 169.734 | 78.3967 | 215.393 | 0 | 215.393 | 294.426 | 294.426 |
| 28 | 1.94803 | 594.555 | 25.159 | Landslide Debris | 0 | 20 | 175.679 | 81.1427 | 222.938 | 0 | 222.938 | 305.453 | 305.453 |
| 29 | 1.94803 | 626.318 | 25.3503 | Landslide Debris | 0 | 20 | 184.632 | 85.2779 | 234.299 | 0 | 234.299 | 321.773 | 321.773 |
| 30 | 1.94803 | 656.576 | 25.5418 | Landslide Debris | 0 | 20 | 193.098 | 89.1883 | 245.043 | 0 | 245.043 | 337.319 | 337.319 |
| 31 | 1.94803 | 685.274 | 25.7337 | Landslide Debris | 0 | 20 | 201.065 | 92.868 | 255.153 | 0 | 255.153 | 352.065 | 352.065 |
| 32 | 1.94803 | 712.404 | 25.9259 | Landslide Debris | 0 | 20 | 208.533 | 96.3174 | 264.63 | 0 | 264.63 | 366.005 | 366.005 |
| 33 | 1.94803 | 737.959 | 26.1184 | Landslide Debris | 0 | 20 | 215.504 | 99.537 | 273.476 | 0 | 273.476 | 379.136 | 379.136 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 1.94803 | 761.931 | 26.3113 | Landslide Debris | 0 | 20 | 221.978 | 102.527 | 281.691 | 0 | 281.691 | 391.454 | 391.454 |
| 35 | 1.94803 | 784.313 | 26.5044 | Landslide Debris | 0 | 20 | 227.957 | 105.289 | 289.278 | 0 | 289.278 | 402.956 | 402.956 |
| 36 | 1.94803 | 805.096 | 26.6979 | Landslide Debris | 0 | 20 | 233.442 | 107.822 | 296.237 | 0 | 296.237 | 413.635 | 413.635 |
| 37 | 1.94803 | 830.608 | 26.8917 | Landslide Debris | 0 | 20 | 240.264 | 110.973 | 304.896 | 0 | 304.896 | 426.745 | 426.745 |
| 38 | 1.94803 | 873.284 | 27.0858 | Landslide Debris | 0 | 20 | 252.005 | 116.396 | 319.794 | 0 | 319.794 | 448.673 | 448.673 |
| 39 | 1.94803 | 915.574 | 27.2803 | Landslide Debris | 0 | 20 | 263.573 | 121.739 | 334.476 | 0 | 334.476 | 470.402 | 470.402 |
| 40 | 1.94803 | 956.232 | 27.4751 | Landslide Debris | 0 | 20 | 274.617 | 126.84 | 348.489 | 0 | 348.489 | 491.294 | 491.294 |
| 41 | 1.94803 | 973.634 | 27.6703 | Landslide Debris | 0 | 20 | 278.94 | 128.837 | 353.976 | 0 | 353.976 | 500.238 | 500.238 |
| 42 | 1.94803 | 896.159 | 27.8658 | Landslide Debris | 0 | 20 | 256.123 | 118.298 | 325.021 | 0 | 325.021 | 460.435 | 460.435 |
| 43 | 1.94803 | 806.304 | 28.0617 | Landslide Debris | 0 | 20 | 229.882 | 106.178 | 291.722 | 0 | 291.722 | 414.27 | 414.27 |
| 44 | 1.94803 | 714.782 | 28.2579 | Landslide Debris | 0 | 20 | 203.293 | 93.897 | 257.98 | 0 | 257.98 | 367.249 | 367.249 |
| 45 | 1.94803 | 621.583 | 28.4545 | Landslide Debris | 0 | 20 | 176.354 | 81.4546 | 223.795 | 0 | 223.795 | 319.366 | 319.366 |
| 46 | 1.94803 | 526.698 | 28.6514 | Landslide Debris | 0 | 20 | 149.068 | 68.8515 | 189.168 | 0 | 189.168 | 270.616 | 270.616 |
| 47 | 1.94803 | 430.118 | 28.8487 | Landslide Debris | 0 | 20 | 121.434 | 56.0881 | 154.101 | 0 | 154.101 | 220.994 | 220.994 |
| 48 | 1.94803 | 331.832 | 29.0464 | Landslide Debris | 0 | 20 | 93.4546 | 43.1648 | 118.594 | 0 | 118.594 | 170.496 | 170.496 |
| 49 | 1.94803 | 231.832 | 29.2445 | Landslide Debris | 0 | 20 | 65.1299 | 30.0822 | 82.6501 | 0 | 82.6501 | 119.116 | 119.116 |
| 50 | 1.94803 | 96.2172 | 29.443 | Landslide Debris | 0 | 20 | 26.9637 | 12.454 | 34.2172 | 0 | 34.2172 | 49.4371 | 49.4371 |

# Cross Section F-F' - Master Scenario

## Global Minimum Query (bishop simplified) - Safety Factor: 1.67852

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.38416 | 86.3609 | 11.3673 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 97.1352 | 163.043 | 16.6948 | 0 | 16.6948 | 36.2231 | 36.2231 |
| 2 | 2.38416 | 254.771 | 12.0085 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 126.572 | 212.454 | 79.9373 | 0 | 79.9373 | 106.861 | 106.861 |
| 3 | 2.38416 | 414.528 | 12.6511 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 154.184 | 258.801 | 139.259 | 0 | 139.259 | 173.868 | 173.868 |
| 4 | 2.38416 | 610.228 | 13.2954 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 187.839 | 315.292 | 211.564 | 0 | 211.564 | 255.952 | 255.952 |
| 5 | 2.38416 | 841.727 | 13.9414 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 227.418 | 381.726 | 296.595 | 0 | 296.595 | 353.05 | 353.05 |
| 6 | 2.38416 | 1064.37 | 14.5893 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 265.051 | 444.893 | 377.446 | 0 | 377.446 | 446.434 | 446.434 |
| 7 | 2.38416 | 1278.07 | 15.239 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 300.748 | 504.812 | 454.14 | 0 | 454.14 | 536.071 | 536.071 |
| 8 | 2.38416 | 1482.76 | 15.8908 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 334.519 | 561.497 | 526.692 | 0 | 526.692 | 621.924 | 621.924 |
| 9 | 2.38416 | 1678.35 | 16.5446 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 366.372 | 614.963 | 595.124 | 0 | 595.124 | 703.959 | 703.959 |
| 10 | 2.38416 | 1864.74 | 17.2007 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 396.315 | 665.223 | 659.456 | 0 | 659.456 | 782.142 | 782.142 |
| 11 | 2.38416 | 2053.75 | 17.8591 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 426.376 | 715.681 | 724.037 | 0 | 724.037 | 861.417 | 861.417 |
| 12 | 2.38416 | 2321.06 | 18.52 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 469.329 | 787.778 | 816.32 | 0 | 816.32 | 973.537 | 973.537 |
| 13 | 2.38416 | 2596.57 | 19.1834 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 513.189 | 861.398 | 910.55 | 0 | 910.55 | 1089.1 | 1089.1 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 2.38416 | 2862.46 | 19.8496 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 554.956 | 931.505 | 1000.28 | 0 | 1000.28 | 1200.62 | 1200.62 |
| 15 | 2.38416 | 3118.62 | 20.5185 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 594.632 | 998.102 | 1085.52 | 0 | 1085.52 | 1308.06 | 1308.06 |
| 16 | 2.38416 | 3364.93 | 21.1904 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 632.219 | 1061.19 | 1166.27 | 0 | 1166.27 | 1411.37 | 1411.37 |
| 17 | 2.38416 | 3608.04 | 21.8653 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 668.836 | 1122.65 | 1244.94 | 0 | 1244.94 | 1513.34 | 1513.34 |
| 18 | 2.38416 | 3871.21 | 22.5434 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 708.297 | 1188.89 | 1329.71 | 0 | 1329.71 | 1623.73 | 1623.73 |
| 19 | 2.38416 | 4127.72 | 23.2249 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 746.181 | 1252.48 | 1411.12 | 0 | 1411.12 | 1731.32 | 1731.32 |
| 20 | 2.38416 | 4373.79 | 23.9099 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 781.909 | 1312.45 | 1487.87 | 0 | 1487.87 | 1834.53 | 1834.53 |
| 21 | 2.38416 | 4609.26 | 24.5985 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 815.468 | 1368.78 | 1559.96 | 0 | 1559.96 | 1933.29 | 1933.29 |
| 22 | 2.38416 | 4832.11 | 25.291 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 846.555 | 1420.96 | 1626.76 | 0 | 1626.76 | 2026.76 | 2026.76 |
| 23 | 2.38416 | 4902.16 | 25.9874 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 852.9 | 1431.61 | 1640.39 | 0 | 1640.39 | 2056.14 | 2056.14 |
| 24 | 2.38416 | 4872.21 | 26.688 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 843.267 | 1415.44 | 1619.69 | 0 | 1619.69 | 2043.58 | 2043.58 |
| 25 | 2.38416 | 4830.91 | 27.3929 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 831.864 | 1396.3 | 1595.19 | 0 | 1595.19 | 2026.26 | 2026.26 |
| 26 | 2.38416 | 4778.04 | 28.1023 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 818.691 | 1374.19 | 1566.9 | 0 | 1566.9 | 2004.08 | 2004.08 |
| 27 | 2.38416 | 4713.36 | 28.8165 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 803.75 | 1349.11 | 1534.79 | 0 | 1534.79 | 1976.96 | 1976.96 |
| 28 | 2.38416 | 4636.65 | 29.5356 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 787.027 | 1321.04 | 1498.86 | 0 | 1498.86 | 1944.78 | 1944.78 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 2.38416 | 4547.64 | 30.2598 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 768.51 | 1289.96 | 1459.08 | 0 | 1459.08 | 1907.44 | 1907.44 |
| 30 | 2.38416 | 4446.06 | 30.9895 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 748.207 | 1255.88 | 1415.46 | 0 | 1415.46 | 1864.84 | 1864.84 |
| 31 | 2.38416 | 4331.62 | 31.7247 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 726.098 | 1218.77 | 1367.96 | 0 | 1367.96 | 1816.84 | 1816.84 |
| 32 | 2.38416 | 4233.98 | 32.4658 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 706.688 | 1186.19 | 1326.27 | 0 | 1326.27 | 1775.88 | 1775.88 |
| 33 | 2.38416 | 4158.98 | 33.2131 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 690.811 | 1159.54 | 1292.15 | 0 | 1292.15 | 1744.43 | 1744.43 |
| 34 | 2.38416 | 4066.09 | 33.9668 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 672.364 | 1128.58 | 1252.52 | 0 | 1252.52 | 1705.47 | 1705.47 |
| 35 | 2.38416 | 3959 | 34.7273 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 651.949 | 1094.31 | 1208.66 | 0 | 1208.66 | 1660.55 | 1660.55 |
| 36 | 2.38416 | 3837.32 | 35.4948 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 629.553 | 1056.72 | 1160.55 | 0 | 1160.55 | 1609.52 | 1609.52 |
| 37 | 2.38416 | 3700.64 | 36.2697 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 605.16 | 1015.77 | 1108.14 | 0 | 1108.14 | 1552.18 | 1552.18 |
| 38 | 2.38416 | 3548.49 | 37.0524 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 578.756 | 971.454 | 1051.41 | 0 | 1051.41 | 1488.37 | 1488.37 |
| 39 | 2.38416 | 3381.82 | 37.8433 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 550.525 | 924.068 | 990.762 | 0 | 990.762 | 1418.46 | 1418.46 |
| 40 | 2.38416 | 3215.58 | 38.6427 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 522.649 | 877.276 | 930.871 | 0 | 930.871 | 1348.73 | 1348.73 |
| 41 | 2.38416 | 3037.27 | 39.4512 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 493.363 | 828.119 | 867.952 | 0 | 867.952 | 1273.94 | 1273.94 |
| 42 | 2.32662 | 2785.25 | 40.2592 | MD-D SAND/Silty SAND | 50 | 36 | 400.982 | 673.057 | 857.564 | 0 | 857.564 | 1197.13 | 1197.13 |
| 43 | 2.32662 | 2601.98 | 41.0669 | MD-D SAND/Silty SAND | 50 | 36 | 373.136 | 626.316 | 793.232 | 0 | 793.232 | 1118.36 | 1118.36 |
| 44 | 2.32662 | 2401.82 | 41.8847 | MD-D SAND/Silty SAND | 50 | 36 | 343.351 | 576.322 | 724.421 | 0 | 724.421 | 1032.33 | 1032.33 |
| 45 | 2.32662 | 2184.11 | 42.7131 | MD-D SAND/Silty SAND | 50 | 36 | 311.606 | 523.037 | 651.081 | 0 | 651.081 | 938.755 | 938.755 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | 2.32662 | 1947.37 | 43.5528 | MD-D SAND/Silty SAND | 50 | 36 | 277.774 | 466.249 | 572.916 | 0 | 572.916 | 837 | 837 |
| 47 | 2.32662 | 1599.39 | 44.4042 | MD-D SAND/Silty SAND | 50 | 36 | 229.885 | 385.866 | 462.279 | 0 | 462.279 | 687.432 | 687.432 |
| 48 | 2.32662 | 1168.18 | 45.2683 | MD-D SAND/Silty SAND | 50 | 36 | 171.978 | 288.669 | 328.499 | 0 | 328.499 | 502.096 | 502.096 |
| 49 | 2.32662 | 716.205 | 46.1458 | MD-D SAND/Silty SAND | 50 | 36 | 112.397 | 188.66 | 190.849 | 0 | 190.849 | 307.833 | 307.833 |
| 50 | 2.32662 | 242.452 | 47.0374 | MD-D SAND/Silty SAND | 50 | 36 | 51.1302 | 85.8231 | 49.3063 | 0 | 49.3063 | 104.209 | 104.209 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.61665

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.44366 | 133.012 | 5.2618 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 114.022 | 184.333 | 43.9442 | 0 | 43.9442 | 54.445 | 54.445 |
| 2 | 2.44366 | 393.342 | 6.0943 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 162.215 | 262.245 | 143.667 | 0 | 143.667 | 160.986 | 160.986 |
| 3 | 2.44366 | 642.253 | 6.92809 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 207.624 | 335.655 | 237.628 | 0 | 237.628 | 262.856 | 262.856 |
| 4 | 2.44366 | 879.69 | 7.76337 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 250.289 | 404.629 | 325.91 | 0 | 325.91 | 360.032 | 360.032 |
| 5 | 2.44366 | 1109.85 | 8.6003 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 291.032 | 470.497 | 410.217 | 0 | 410.217 | 454.233 | 454.233 |
| 6 | 2.44366 | 1395.04 | 9.43909 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 341.29 | 551.747 | 514.215 | 0 | 514.215 | 570.954 | 570.954 |
| 7 | 2.44366 | 1691.38 | 10.2799 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 392.89 | 635.166 | 620.985 | 0 | 620.985 | 692.243 | 692.243 |
| 8 | 2.44366 | 1975.94 | 11.123 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 441.65 | 713.993 | 721.877 | 0 | 721.877 | 808.71 | 808.71 |
| 9 | 2.44366 | 2248.62 | 11.9685 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 487.598 | 788.275 | 816.956 | 0 | 816.956 | 920.318 | 920.318 |
| 10 | 2.44366 | 2509.31 | 12.8167 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 530.762 | 858.056 | 906.27 | 0 | 906.27 | 1027.02 | 1027.02 |
| 11 | 2.44366 | 2757.89 | 13.6678 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 571.164 | 923.373 | 989.872 | 0 | 989.872 | 1128.77 | 1128.77 |
| 12 | 2.44366 | 2994.23 | 14.5219 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 608.828 | 984.261 | 1067.8 | 0 | 1067.8 | 1225.51 | 1225.51 |
| 13 | 2.44366 | 3272.15 | 15.3794 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 653.189 | 1055.98 | 1159.6 | 0 | 1159.6 | 1339.26 | 1339.26 |
| 14 | 2.44366 | 3606.56 | 16.2403 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 706.685 | 1142.46 | 1270.3 | 0 | 1270.3 | 1476.15 | 1476.15 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 2.44366 | 3928.54 | 17.1051 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 757.245 | 1224.2 | 1374.91 | 0 | 1374.91 | 1607.94 | 1607.94 |
| 16 | 2.44366 | 4237.67 | 17.9739 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 804.831 | 1301.13 | 1473.38 | 0 | 1473.38 | 1734.48 | 1734.48 |
| 17 | 2.44366 | 4533.75 | 18.8471 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 849.454 | 1373.27 | 1565.72 | 0 | 1565.72 | 1855.68 | 1855.68 |
| 18 | 2.44366 | 4817.49 | 19.7247 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 891.288 | 1440.9 | 1652.27 | 0 | 1652.27 | 1971.83 | 1971.83 |
| 19 | 2.44366 | 5116.1 | 20.6073 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 934.902 | 1511.41 | 1742.52 | 0 | 1742.52 | 2094.07 | 2094.07 |
| 20 | 2.44366 | 5414.44 | 21.4949 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 977.738 | 1580.66 | 1831.16 | 0 | 1831.16 | 2216.2 | 2216.2 |
| 21 | 2.44366 | 5698.84 | 22.388 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1017.52 | 1644.97 | 1913.48 | 0 | 1913.48 | 2332.62 | 2332.62 |
| 22 | 2.44366 | 5969.04 | 23.2869 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1054.25 | 1704.36 | 1989.49 | 0 | 1989.49 | 2443.24 | 2443.24 |
| 23 | 2.44366 | 6224.76 | 24.192 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1087.93 | 1758.81 | 2059.18 | 0 | 2059.18 | 2547.93 | 2547.93 |
| 24 | 2.44366 | 6369.65 | 25.1034 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1103.05 | 1783.25 | 2090.47 | 0 | 2090.47 | 2607.26 | 2607.26 |
| 25 | 2.44366 | 6352.74 | 26.0218 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1091.86 | 1765.16 | 2067.31 | 0 | 2067.31 | 2600.36 | 2600.36 |
| 26 | 2.44366 | 6318.78 | 26.9473 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1077.94 | 1742.65 | 2038.49 | 0 | 2038.49 | 2586.48 | 2586.48 |
| 27 | 2.44366 | 6268.98 | 27.8806 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1061.52 | 1716.11 | 2004.53 | 0 | 2004.53 | 2566.12 | 2566.12 |
| 28 | 2.44366 | 6202.92 | 28.8219 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1042.61 | 1685.54 | 1965.4 | 0 | 1965.4 | 2539.1 | 2539.1 |
| 29 | 2.44366 | 6120.16 | 29.7719 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1021.19 | 1650.9 | 1921.07 | 0 | 1921.07 | 2505.24 | 2505.24 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 2.44366 | 6020.23 | 30.7309 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 997.241 | 1612.19 | 1871.52 | 0 | 1871.52 | 2464.36 | 2464.36 |
| 31 | 2.44366 | 5902.62 | 31.6996 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 970.754 | 1569.37 | 1816.7 | 0 | 1816.7 | 2416.24 | 2416.24 |
| 32 | 2.44366 | 5766.78 | 32.6785 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 941.7 | 1522.4 | 1756.6 | 0 | 1756.6 | 2360.66 | 2360.66 |
| 33 | 2.44366 | 5642.56 | 33.6683 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 914.632 | 1478.64 | 1700.58 | 0 | 1700.58 | 2309.83 | 2309.83 |
| 34 | 2.44366 | 5537.68 | 34.6696 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 890.632 | 1439.84 | 1650.92 | 0 | 1650.92 | 2266.92 | 2266.92 |
| 35 | 2.44366 | 5408.5 | 35.6831 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 863.205 | 1395.5 | 1594.17 | 0 | 1594.17 | 2214.06 | 2214.06 |
| 36 | 2.44366 | 5258.36 | 36.7097 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 832.945 | 1346.58 | 1531.55 | 0 | 1531.55 | 2152.63 | 2152.63 |
| 37 | 2.44366 | 5086.43 | 37.7503 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 799.808 | 1293.01 | 1462.98 | 0 | 1462.98 | 2082.26 | 2082.26 |
| 38 | 2.44366 | 4891.77 | 38.8056 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 763.758 | 1234.73 | 1388.4 | 0 | 1388.4 | 2002.6 | 2002.6 |
| 39 | 2.44366 | 4673.37 | 39.8769 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 724.77 | 1171.7 | 1307.71 | 0 | 1307.71 | 1913.21 | 1913.21 |
| 40 | 2.44366 | 4433.39 | 40.9651 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 683.243 | 1104.57 | 1221.79 | 0 | 1221.79 | 1814.99 | 1814.99 |
| 41 | 2.44366 | 4185.61 | 42.0716 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 641.197 | 1036.59 | 1134.78 | 0 | 1134.78 | 1713.57 | 1713.57 |
| 42 | 2.44366 | 3913.19 | 43.1978 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 596.389 | 964.152 | 1042.07 | 0 | 1042.07 | 1602.07 | 1602.07 |
| 43 | 2.44366 | 3611.76 | 44.3452 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 548.372 | 886.526 | 942.71 | 0 | 942.71 | 1478.69 | 1478.69 |
| 44 | 2.35995 | 3185.9 | 45.495 | MD-D SAND/Silty SAND | 50 | 36 | 437.73 | 707.656 | 905.187 | 0 | 905.187 | 1350.55 | 1350.55 |
| 45 | 2.35995 | 2872.54 | 46.6484 | MD-D SAND/Silty SAND | 50 | 36 | 391.716 | 633.267 | 802.798 | 0 | 802.798 | 1217.73 | 1217.73 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | 2.35995 | 2529.1 | 47.8269 | MD-D SAND/Silty SAND | 50 | 36 | 342.734 | 554.081 | 693.81 | 0 | 693.81 | 1072.15 | 1072.15 |
| 47 | 2.35995 | 2137.97 | 49.0328 | MD-D SAND/Silty SAND | 50 | 36 | 288.784 | 466.863 | 573.763 | 0 | 573.763 | 906.356 | 906.356 |
| 48 | 2.35995 | 1592.22 | 50.2688 | MD-D SAND/Silty SAND | 50 | 36 | 216.968 | 350.761 | 413.963 | 0 | 413.963 | 675.013 | 675.013 |
| 49 | 2.35995 | 983.851 | 51.5377 | MD-D SAND/Silty SAND | 50 | 36 | 139.476 | 225.484 | 241.533 | 0 | 241.533 | 417.116 | 417.116 |
| 50 | 2.35995 | 334.986 | 52.8431 | MD-D SAND/Silty SAND | 50 | 36 | 59.4882 | 96.1716 | 63.5498 | 0 | 63.5498 | 142.045 | 142.045 |

## Cross Section F-F' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 1.07684

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.44909 | 93.5667 | 11.0226 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 146.34 | 157.585 | 9.7084 | 0 | 9.7084 | 38.2139 | 38.2139 |
| 2 | 2.44909 | 276.161 | 11.6639 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 192.314 | 207.091 | 73.0735 | 0 | 73.0735 | 112.773 | 112.773 |
| 3 | 2.44909 | 449.643 | 12.3067 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 235.275 | 253.353 | 132.286 | 0 | 132.286 | 183.613 | 183.613 |
| 4 | 2.44909 | 647.804 | 12.9511 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 283.859 | 305.671 | 199.25 | 0 | 199.25 | 264.529 | 264.529 |
| 5 | 2.44909 | 895.948 | 13.5972 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 344.315 | 370.772 | 282.575 | 0 | 282.575 | 365.856 | 365.856 |
| 6 | 2.44909 | 1135.86 | 14.245 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 401.805 | 432.68 | 361.814 | 0 | 361.814 | 463.822 | 463.822 |
| 7 | 2.44909 | 1366.37 | 14.8947 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 456.094 | 491.14 | 436.64 | 0 | 436.64 | 557.952 | 557.952 |
| 8 | 2.44909 | 1587.41 | 15.5464 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 507.216 | 546.191 | 507.102 | 0 | 507.102 | 648.208 | 648.208 |
| 9 | 2.44909 | 1798.87 | 16.2001 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 555.212 | 597.874 | 573.254 | 0 | 573.254 | 734.559 | 734.559 |
| 10 | 2.44909 | 2000.66 | 16.856 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 600.111 | 646.223 | 635.134 | 0 | 635.134 | 816.959 | 816.959 |
| 11 | 2.44909 | 2208.06 | 17.5142 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 645.649 | 695.261 | 697.902 | 0 | 697.902 | 901.65 | 901.65 |
| 12 | 2.44909 | 2498.42 | 18.1748 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 710.311 | 764.891 | 787.026 | 0 | 787.026 | 1020.22 | 1020.22 |
| 13 | 2.44909 | 2794.37 | 18.8379 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 775.28 | 834.852 | 876.571 | 0 | 876.571 | 1141.07 | 1141.07 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 2.44909 | 3080.23 | 19.5036 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 836.83 | 901.132 | 961.404 | 0 | 961.404 | 1257.8 | 1257.8 |
| 15 | 2.44909 | 3355.87 | 20.1721 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 894.988 | 963.759 | 1041.57 | 0 | 1041.57 | 1370.36 | 1370.36 |
| 16 | 2.44909 | 3621.17 | 20.8435 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 949.78 | 1022.76 | 1117.08 | 0 | 1117.08 | 1478.7 | 1478.7 |
| 17 | 2.44909 | 3889.07 | 21.5178 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1004.24 | 1081.41 | 1192.15 | 0 | 1192.15 | 1588.09 | 1588.09 |
| 18 | 2.44909 | 4175.07 | 22.1953 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1061.91 | 1143.51 | 1271.63 | 0 | 1271.63 | 1704.89 | 1704.89 |
| 19 | 2.44909 | 4451.31 | 22.8761 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1116.36 | 1202.14 | 1346.67 | 0 | 1346.67 | 1817.69 | 1817.69 |
| 20 | 2.44909 | 4716.61 | 23.5603 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1167.37 | 1257.07 | 1416.98 | 0 | 1416.98 | 1926.03 | 1926.03 |
| 21 | 2.44909 | 4970.79 | 24.2481 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1214.96 | 1308.32 | 1482.58 | 0 | 1482.58 | 2029.83 | 2029.83 |
| 22 | 2.44909 | 5186.15 | 24.9397 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1253.05 | 1349.33 | 1535.07 | 0 | 1535.07 | 2117.77 | 2117.77 |
| 23 | 2.44909 | 5206.17 | 25.6351 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1247.44 | 1343.29 | 1527.34 | 0 | 1527.34 | 2125.95 | 2125.95 |
| 24 | 2.44909 | 5180.53 | 26.3347 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1231.79 | 1326.44 | 1505.77 | 0 | 1505.77 | 2115.49 | 2115.49 |
| 25 | 2.44909 | 5143 | 27.0385 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1213.63 | 1306.89 | 1480.76 | 0 | 1480.76 | 2100.16 | 2100.16 |
| 26 | 2.44909 | 5093.35 | 27.7467 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1193 | 1284.67 | 1452.31 | 0 | 1452.31 | 2079.89 | 2079.89 |
| 27 | 2.44909 | 5031.36 | 28.4595 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1169.89 | 1259.78 | 1420.46 | 0 | 1420.46 | 2054.59 | 2054.59 |
| 28 | 2.44909 | 4956.78 | 29.1772 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1144.31 | 1232.24 | 1385.2 | 0 | 1385.2 | 2024.14 | 2024.14 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 2.44909 | 4869.33 | 29.9 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1116.27 | 1202.04 | 1346.55 | 0 | 1346.55 | 1988.43 | 1988.43 |
| 30 | 2.44909 | 4768.75 | 30.628 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1085.77 | 1169.2 | 1304.52 | 0 | 1304.52 | 1947.36 | 1947.36 |
| 31 | 2.44909 | 4664.21 | 31.3616 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1054.78 | 1135.83 | 1261.81 | 0 | 1261.81 | 1904.68 | 1904.68 |
| 32 | 2.44909 | 4601.03 | 32.1009 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1032.54 | 1111.88 | 1231.15 | 0 | 1231.15 | 1878.88 | 1878.88 |
| 33 | 2.44909 | 4524.98 | 32.8463 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1007.87 | 1085.31 | 1197.15 | 0 | 1197.15 | 1847.83 | 1847.83 |
| 34 | 2.44909 | 4434.14 | 33.598 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 980.461 | 1055.8 | 1159.37 | 0 | 1159.37 | 1810.74 | 1810.74 |
| 35 | 2.44909 | 4328.5 | 34.3563 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 950.388 | 1023.42 | 1117.92 | 0 | 1117.92 | 1767.6 | 1767.6 |
| 36 | 2.44909 | 4207.64 | 35.1215 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 917.651 | 988.163 | 1072.8 | 0 | 1072.8 | 1718.25 | 1718.25 |
| 37 | 2.44909 | 4071.13 | 35.8939 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 882.252 | 950.044 | 1024.01 | 0 | 1024.01 | 1662.51 | 1662.51 |
| 38 | 2.44909 | 3918.77 | 36.674 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 844.238 | 909.109 | 971.614 | 0 | 971.614 | 1600.29 | 1600.29 |
| 39 | 2.44909 | 3765.03 | 37.4621 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 806.461 | 868.429 | 919.547 | 0 | 919.547 | 1537.52 | 1537.52 |
| 40 | 2.44909 | 3603.22 | 38.2586 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 767.667 | 826.654 | 866.078 | 0 | 866.078 | 1471.44 | 1471.44 |
| 41 | 2.44909 | 3423.72 | 39.0639 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 726.115 | 781.91 | 808.807 | 0 | 808.807 | 1398.15 | 1398.15 |
| 42 | 2.4615 | 3252.7 | 39.8806 | MD-D SAND/Silty SAND | 50 | 36 | 599.909 | 646.006 | 820.333 | 0 | 820.333 | 1321.59 | 1321.59 |
| 43 | 2.4615 | 3055.97 | 40.7092 | MD-D SAND/Silty SAND | 50 | 36 | 559.422 | 602.408 | 760.326 | 0 | 760.326 | 1241.66 | 1241.66 |
| 44 | 2.4615 | 2840.05 | 41.5483 | MD-D SAND/Silty SAND | 50 | 36 | 516.285 | 555.956 | 696.387 | 0 | 696.387 | 1153.93 | 1153.93 |
| 45 | 2.4615 | 2599.99 | 42.3985 | MD-D SAND/Silty SAND | 50 | 36 | 469.778 | 505.876 | 627.458 | 0 | 627.458 | 1056.4 | 1056.4 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | 2.4615 | 2221.74 | 43.2603 | MD-D SAND/Silty SAND | 50 | 36 | 400.933 | 431.741 | 525.421 | 0 | 525.421 | 902.717 | 902.717 |
| 47 | 2.4615 | 1768.46 | 44.1344 | MD-D SAND/Silty SAND | 50 | 36 | 321.063 | 345.733 | 407.042 | 0 | 407.042 | 718.548 | 718.548 |
| 48 | 2.4615 | 1292.56 | 45.0218 | MD-D SAND/Silty SAND | 50 | 36 | 239.238 | 257.621 | 285.766 | 0 | 285.766 | 525.186 | 525.186 |
| 49 | 2.4615 | 792.983 | 45.9231 | MD-D SAND/Silty SAND | 50 | 36 | 155.484 | 167.431 | 161.63 | 0 | 161.63 | 322.206 | 322.206 |
| 50 | 2.4615 | 268.568 | 46.8393 | MD-D SAND/Silty SAND | 50 | 36 | 69.8256 | 75.191 | 34.6725 | 0 | 34.6725 | 109.131 | 109.131 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.029

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.50777 | 143.166 | 4.83321 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 177.694 | 182.847 | 42.0424 | 0 | 42.0424 | 57.0675 | 57.0675 |
| 2 | 2.50777 | 423.511 | 5.66522 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 254.78 | 262.169 | 143.569 | 0 | 143.569 | 168.844 | 168.844 |
| 3 | 2.50777 | 691.858 | 6.49844 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 326.928 | 336.409 | 238.593 | 0 | 238.593 | 275.833 | 275.833 |
| 4 | 2.50777 | 948.151 | 7.33304 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 394.262 | 405.696 | 327.276 | 0 | 327.276 | 378.013 | 378.013 |
| 5 | 2.50777 | 1213.78 | 8.1692 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 462.753 | 476.173 | 417.485 | 0 | 417.485 | 483.914 | 483.914 |
| 6 | 2.50777 | 1538.77 | 9.00713 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 545.869 | 561.699 | 526.95 | 0 | 526.95 | 613.476 | 613.476 |
| 7 | 2.50777 | 1857.22 | 9.847 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 625.52 | 643.66 | 631.858 | 0 | 631.858 | 740.432 | 740.432 |
| 8 | 2.50777 | 2163.31 | 10.689 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 700.25 | 720.557 | 730.278 | 0 | 730.278 | 862.452 | 862.452 |
| 9 | 2.50777 | 2456.93 | 11.5334 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 770.155 | 792.489 | 822.347 | 0 | 822.347 | 979.504 | 979.504 |
| 10 | 2.50777 | 2737.99 | 12.3803 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 835.328 | 859.552 | 908.187 | 0 | 908.187 | 1091.54 | 1091.54 |
| 11 | 2.50777 | 3006.36 | 13.2299 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 895.855 | 921.835 | 987.902 | 0 | 987.902 | 1198.52 | 1198.52 |
| 12 | 2.50777 | 3276.96 | 14.0826 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 955.643 | 983.357 | 1066.65 | 0 | 1066.65 | 1306.38 | 1306.38 |
| 13 | 2.50777 | 3631.88 | 14.9384 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1035.35 | 1065.38 | 1171.63 | 0 | 1171.63 | 1447.86 | 1447.86 |
| 14 | 2.50777 | 3991.14 | 15.7976 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1114.42 | 1146.73 | 1275.76 | 0 | 1275.76 | 1591.06 | 1591.06 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 2.50777 | 4337.12 | 16.6606 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1188.47 | 1222.94 | 1373.3 | 0 | 1373.3 | 1728.97 | 1728.97 |
| 16 | 2.50777 | 4669.66 | 17.5274 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1257.59 | 1294.06 | 1464.33 | 0 | 1464.33 | 1861.51 | 1861.51 |
| 17 | 2.50777 | 4988.55 | 18.3984 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1321.84 | 1360.17 | 1548.94 | 0 | 1548.94 | 1988.62 | 1988.62 |
| 18 | 2.50777 | 5311.76 | 19.2738 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1385.59 | 1425.77 | 1632.92 | 0 | 1632.92 | 2117.43 | 2117.43 |
| 19 | 2.50777 | 5647.45 | 20.1539 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1450.78 | 1492.85 | 1718.77 | 0 | 1718.77 | 2251.23 | 2251.23 |
| 20 | 2.50777 | 5969.08 | 21.039 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1511.07 | 1554.89 | 1798.18 | 0 | 1798.18 | 2379.41 | 2379.41 |
| 21 | 2.50777 | 6276.17 | 21.9294 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1566.47 | 1611.9 | 1871.14 | 0 | 1871.14 | 2501.8 | 2501.8 |
| 22 | 2.50777 | 6568.44 | 22.8254 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1617.01 | 1663.9 | 1937.7 | 0 | 1937.7 | 2618.27 | 2618.27 |
| 23 | 2.50777 | 6779.84 | 23.7274 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1647.78 | 1695.57 | 1978.24 | 0 | 1978.24 | 2702.51 | 2702.51 |
| 24 | 2.50777 | 6794.77 | 24.6356 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1633.44 | 1680.81 | 1959.35 | 0 | 1959.35 | 2708.42 | 2708.42 |
| 25 | 2.50777 | 6783.5 | 25.5505 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1613.21 | 1659.99 | 1932.7 | 0 | 1932.7 | 2703.9 | 2703.9 |
| 26 | 2.50777 | 6756.14 | 26.4725 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1589.47 | 1635.56 | 1901.43 | 0 | 1901.43 | 2692.96 | 2692.96 |
| 27 | 2.50777 | 6712.28 | 27.4018 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1562.25 | 1607.56 | 1865.59 | 0 | 1865.59 | 2675.45 | 2675.45 |
| 28 | 2.50777 | 6651.53 | 28.3391 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1531.57 | 1575.99 | 1825.18 | 0 | 1825.18 | 2651.2 | 2651.2 |
| 29 | 2.50777 | 6573.43 | 29.2847 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1497.44 | 1540.87 | 1780.23 | 0 | 1780.23 | 2620.03 | 2620.03 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 2.50777 | 6477.5 | 30.2392 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1459.88 | 1502.22 | 1730.76 | 0 | 1730.76 | 2581.77 | 2581.77 |
| 31 | 2.50777 | 6363.23 | 31.203 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1418.89 | 1460.04 | 1676.78 | 0 | 1676.78 | 2536.19 | 2536.19 |
| 32 | 2.50777 | 6266.33 | 32.1767 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1381.91 | 1421.99 | 1628.08 | 0 | 1628.08 | 2497.53 | 2497.53 |
| 33 | 2.50777 | 6186.17 | 33.161 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1348.69 | 1387.8 | 1584.31 | 0 | 1584.31 | 2465.55 | 2465.55 |
| 34 | 2.50777 | 6081.95 | 34.1564 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1310.9 | 1348.92 | 1534.55 | 0 | 1534.55 | 2423.98 | 2423.98 |
| 35 | 2.50777 | 5956.87 | 35.1638 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1269.38 | 1306.19 | 1479.85 | 0 | 1479.85 | 2374.1 | 2374.1 |
| 36 | 2.50777 | 5810.13 | 36.1837 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1224.09 | 1259.59 | 1420.21 | 0 | 1420.21 | 2315.58 | 2315.58 |
| 37 | 2.50777 | 5640.89 | 37.2172 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1175.05 | 1209.13 | 1355.63 | 0 | 1355.63 | 2248.1 | 2248.1 |
| 38 | 2.50777 | 5448.23 | 38.265 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1122.25 | 1154.8 | 1286.09 | 0 | 1286.09 | 2171.28 | 2171.28 |
| 39 | 2.50777 | 5238.63 | 39.3281 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1067.1 | 1098.04 | 1213.44 | 0 | 1213.44 | 2087.72 | 2087.72 |
| 40 | 2.50777 | 5020.94 | 40.4077 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1011.33 | 1040.66 | 1139.99 | 0 | 1139.99 | 2000.93 | 2000.93 |
| 41 | 2.50777 | 4777.16 | 41.5049 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 951.772 | 979.373 | 1061.55 | 0 | 1061.55 | 1903.75 | 1903.75 |
| 42 | 2.50777 | 4505.2 | 42.621 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 888.278 | 914.038 | 977.925 | 0 | 977.925 | 1795.34 | 1795.34 |
| 43 | 2.50777 | 4203.53 | 43.7575 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 820.839 | 844.643 | 889.104 | 0 | 889.104 | 1675.09 | 1675.09 |
| 44 | 2.55683 | 3956.99 | 44.9276 | MD-D SAND/Silty SAND | 50 | 36 | 669.282 | 688.691 | 879.081 | 0 | 879.081 | 1546.67 | 1546.67 |
| 45 | 2.55683 | 3604.99 | 46.1336 | MD-D SAND/Silty SAND | 50 | 36 | 601.578 | 619.024 | 783.194 | 0 | 783.194 | 1409.06 | 1409.06 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | 2.55683 | 3117.81 | 47.3667 | MD-D SAND/Silty SAND | 50 | 36 | 514.456 | 529.375 | 659.802 | 0 | 659.802 | 1218.62 | 1218.62 |
| 47 | 2.55683 | 2501.92 | 48.6293 | MD-D SAND/Silty SAND | 50 | 36 | 410.184 | 422.079 | 512.123 | 0 | 512.123 | 977.865 | 977.865 |
| 48 | 2.55683 | 1844.2 | 49.9244 | MD-D SAND/Silty SAND | 50 | 36 | 303.123 | 311.914 | 360.493 | 0 | 360.493 | 720.775 | 720.775 |
| 49 | 2.55683 | 1141.23 | 51.2553 | MD-D SAND/Silty SAND | 50 | 36 | 193.362 | 198.969 | 205.038 | 0 | 205.038 | 446.007 | 446.007 |
| 50 | 2.55683 | 388.985 | 52.626 | MD-D SAND/Silty SAND | 50 | 36 | 81.0154 | 83.3648 | 45.9228 | 0 | 45.9228 | 151.986 | 151.986 |

## Cross Section G-G' - Master Scenario

### Global Minimum Query (bishop simplified) - Safety Factor: 1.4943

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.15813 | 13.2871 | 10.8706 | D-VD SAND | 0 | 38 | 5.45217 | 8.14718 | 10.428 | 0 | 10.428 | 11.475 | 11.475 |
| 2 | 1.15813 | 38.9144 | 11.5192 | D-VD SAND | 0 | 38 | 15.8794 | 23.7286 | 30.3712 | 0 | 30.3712 | 33.6075 | 33.6075 |
| 3 | 1.15813 | 67.1286 | 12.1694 | D-VD SAND | 0 | 38 | 27.2403 | 40.7052 | 52.1002 | 0 | 52.1002 | 57.9745 | 57.9745 |
| 4 | 1.15813 | 110.316 | 12.8212 | D-VD SAND | 0 | 38 | 44.5163 | 66.5207 | 85.1429 | 0 | 85.1429 | 95.2741 | 95.2741 |
| 5 | 1.15813 | 153.194 | 13.4746 | D-VD SAND | 0 | 38 | 61.4742 | 91.8609 | 117.576 | 0 | 117.576 | 132.306 | 132.306 |
| 6 | 1.15813 | 194.129 | 14.1299 | D-VD SAND | 0 | 38 | 77.465 | 115.756 | 148.16 | 0 | 148.16 | 167.661 | 167.661 |
| 7 | 1.15813 | 233.103 | 14.787 | D-VD SAND | 0 | 38 | 92.4948 | 138.215 | 176.908 | 0 | 176.908 | 201.323 | 201.323 |
| 8 | 1.15813 | 270.099 | 15.4461 | D-VD SAND | 0 | 38 | 106.572 | 159.25 | 203.831 | 0 | 203.831 | 233.278 | 233.278 |
| 9 | 1.15813 | 305.099 | 16.1074 | D-VD SAND | 0 | 38 | 119.702 | 178.87 | 228.943 | 0 | 228.943 | 263.51 | 263.51 |
| 10 | 1.15813 | 338.083 | 16.7708 | D-VD SAND | 0 | 38 | 131.889 | 197.082 | 252.254 | 0 | 252.254 | 292.001 | 292.001 |
| 11 | 1.15813 | 369.03 | 17.4366 | D-VD SAND | 0 | 38 | 143.141 | 213.896 | 273.775 | 0 | 273.775 | 318.733 | 318.733 |
| 12 | 1.15813 | 409.589 | 18.1048 | D-VD SAND | 0 | 38 | 157.963 | 236.044 | 302.122 | 0 | 302.122 | 353.767 | 353.767 |
| 13 | 1.15813 | 460.203 | 18.7756 | D-VD SAND | 0 | 38 | 176.459 | 263.683 | 337.499 | 0 | 337.499 | 397.486 | 397.486 |
| 14 | 1.15813 | 508.712 | 19.449 | D-VD SAND | 0 | 38 | 193.928 | 289.786 | 370.909 | 0 | 370.909 | 439.388 | 439.388 |
| 15 | 1.15813 | 555.088 | 20.1253 | D-VD SAND | 0 | 38 | 210.371 | 314.358 | 402.36 | 0 | 402.36 | 479.45 | 479.45 |
| 16 | 1.15813 | 599.305 | 20.8045 | D-VD SAND | 0 | 38 | 225.793 | 337.402 | 431.855 | 0 | 431.855 | 517.646 | 517.646 |
| 17 | 1.15813 | 641.333 | 21.4868 | D-VD SAND | 0 | 38 | 240.195 | 358.924 | 459.402 | 0 | 459.402 | 553.953 | 553.953 |
| 18 | 1.15813 | 681.142 | 22.1723 | D-VD SAND | 0 | 38 | 253.581 | 378.926 | 485.003 | 0 | 485.003 | 588.344 | 588.344 |
| 19 | 1.15813 | 718.699 | 22.8611 | D-VD SAND | 0 | 38 | 265.951 | 397.41 | 508.662 | 0 | 508.662 | 620.791 | 620.791 |
| 20 | 1.14337 | 742.979 | 23.549 | MD-D SAND/Silty SAND | 50 | 36 | 288.411 | 430.972 | 524.363 | 0 | 524.363 | 650.061 | 650.061 |
| 21 | 1.14337 | 772.72 | 24.2361 | MD-D SAND/Silty SAND | 50 | 36 | 297.142 | 444.02 | 542.323 | 0 | 542.323 | 676.089 | 676.089 |
| 22 | 1.14337 | 800.097 | 24.927 | MD-D SAND/Silty SAND | 50 | 36 | 304.927 | 455.652 | 558.332 | 0 | 558.332 | 700.049 | 700.049 |
| 23 | 1.14337 | 825.072 | 25.6217 | MD-D SAND/Silty SAND | 50 | 36 | 311.762 | 465.866 | 572.391 | 0 | 572.391 | 721.907 | 721.907 |
| 24 | 1.14337 | 847.601 | 26.3205 | MD-D SAND/Silty SAND | 50 | 36 | 317.647 | 474.66 | 584.495 | 0 | 584.495 | 741.627 | 741.627 |
| 25 | 1.14337 | 867.586 | 27.0235 | MD-D SAND/Silty SAND | 50 | 36 | 322.561 | 482.003 | 594.601 | 0 | 594.601 | 759.121 | 759.121 |
| 26 | 1.14337 | 878.344 | 27.731 | MD-D SAND/Silty SAND | 50 | 36 | 324.253 | 484.531 | 598.081 | 0 | 598.081 | 768.541 | 768.541 |
| 27 | 1.14337 | 881.918 | 28.4431 | MD-D SAND/Silty SAND | 50 | 36 | 323.467 | 483.357 | 596.464 | 0 | 596.464 | 771.677 | 771.677 |
| 28 | 1.14337 | 882.856 | 29.16 | MD-D SAND/Silty SAND | 50 | 36 | 321.768 | 480.818 | 592.97 | 0 | 592.97 | 772.505 | 772.505 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 1.14337 | 881.102 | 29.8819 | MD-D SAND/Silty SAND | 50 | 36 | 319.153 | 476.91 | 587.592 | 0 | 587.592 | 770.979 | 770.979 |
| 30 | 1.14337 | 876.6 | 30.6092 | MD-D SAND/Silty SAND | 50 | 36 | 315.619 | 471.629 | 580.323 | 0 | 580.323 | 767.048 | 767.048 |
| 31 | 1.14337 | 869.286 | 31.3419 | MD-D SAND/Silty SAND | 50 | 36 | 311.162 | 464.969 | 571.155 | 0 | 571.155 | 760.657 | 760.657 |
| 32 | 1.14337 | 859.095 | 32.0804 | MD-D SAND/Silty SAND | 50 | 36 | 305.777 | 456.922 | 560.081 | 0 | 560.081 | 751.748 | 751.748 |
| 33 | 1.14337 | 846.253 | 32.8249 | MD-D SAND/Silty SAND | 50 | 36 | 299.556 | 447.626 | 547.285 | 0 | 547.285 | 740.519 | 740.519 |
| 34 | 1.14337 | 838.064 | 33.5757 | MD-D SAND/Silty SAND | 50 | 36 | 294.864 | 440.615 | 537.636 | 0 | 537.636 | 733.362 | 733.362 |
| 35 | 1.14337 | 830.156 | 34.3331 | MD-D SAND/Silty SAND | 50 | 36 | 290.274 | 433.756 | 528.194 | 0 | 528.194 | 726.451 | 726.451 |
| 36 | 1.14337 | 819.065 | 35.0973 | MD-D SAND/Silty SAND | 50 | 36 | 284.682 | 425.401 | 516.695 | 0 | 516.695 | 716.754 | 716.754 |
| 37 | 1.14337 | 804.701 | 35.8689 | MD-D SAND/Silty SAND | 50 | 36 | 278.084 | 415.541 | 503.125 | 0 | 503.125 | 704.194 | 704.194 |
| 38 | 1.14337 | 786.97 | 36.648 | MD-D SAND/Silty SAND | 50 | 36 | 270.47 | 404.164 | 487.465 | 0 | 487.465 | 688.685 | 688.685 |
| 39 | 1.14337 | 765.767 | 37.435 | MD-D SAND/Silty SAND | 50 | 36 | 261.833 | 391.257 | 469.701 | 0 | 469.701 | 670.141 | 670.141 |
| 40 | 1.14337 | 740.438 | 38.2305 | MD-D SAND/Silty SAND | 50 | 36 | 251.995 | 376.556 | 449.466 | 0 | 449.466 | 647.984 | 647.984 |
| 41 | 1.14337 | 697.566 | 39.0347 | MD-D SAND/Silty SAND | 50 | 36 | 236.893 | 353.989 | 418.405 | 0 | 418.405 | 610.475 | 610.475 |
| 42 | 1.14337 | 644.834 | 39.8482 | MD-D SAND/Silty SAND | 50 | 36 | 218.985 | 327.229 | 381.573 | 0 | 381.573 | 564.337 | 564.337 |
| 43 | 1.14337 | 588.14 | 40.6715 | MD-D SAND/Silty SAND | 50 | 36 | 200.12 | 299.039 | 342.773 | 0 | 342.773 | 514.73 | 514.73 |
| 44 | 1.14337 | 527.338 | 41.5051 | MD-D SAND/Silty SAND | 50 | 36 | 180.292 | 269.41 | 301.992 | 0 | 301.992 | 461.529 | 461.529 |
| 45 | 1.14337 | 462.267 | 42.3495 | MD-D SAND/Silty SAND | 50 | 36 | 159.491 | 238.328 | 259.211 | 0 | 259.211 | 404.589 | 404.589 |
| 46 | 1.14337 | 392.755 | 43.2054 | MD-D SAND/Silty SAND | 50 | 36 | 137.712 | 205.783 | 214.417 | 0 | 214.417 | 343.761 | 343.761 |
| 47 | 1.14337 | 318.613 | 44.0736 | MD-D SAND/Silty SAND | 50 | 36 | 114.946 | 171.764 | 167.593 | 0 | 167.593 | 278.881 | 278.881 |
| 48 | 1.14337 | 239.636 | 44.9546 | MD-D SAND/Silty SAND | 50 | 36 | 91.186 | 136.259 | 118.726 | 0 | 118.726 | 209.768 | 209.768 |
| 49 | 1.14337 | 153.996 | 45.8494 | MD-D SAND/Silty SAND | 50 | 36 | 65.9706 | 98.5798 | 66.8642 | 0 | 66.8642 | 134.82 | 134.82 |
| 50 | 1.14337 | 52.8393 | 46.7589 | MD-D SAND/Silty SAND | 50 | 36 | 36.8933 | 55.1296 | 7.06038 | 0 | 7.06038 | 46.2913 | 46.2913 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.45038

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.02751 | 16.3548 | 5.65166 | D-VD SAND | 0 | 38 | 8.14042 | 11.8067 | 15.112 | 0 | 15.112 | 15.9176 | 15.9176 |
| 2 | 1.02751 | 56.0693 | 6.47148 | D-VD SAND | 0 | 38 | 27.7032 | 40.1801 | 51.4282 | 0 | 51.4282 | 54.5706 | 54.5706 |
| 3 | 1.02751 | 104.086 | 7.29262 | D-VD SAND | 0 | 38 | 51.051 | 74.0433 | 94.7711 | 0 | 94.7711 | 101.304 | 101.304 |
| 4 | 1.02751 | 150.293 | 8.11528 | D-VD SAND | 0 | 38 | 73.1753 | 106.132 | 135.843 | 0 | 135.843 | 146.277 | 146.277 |
| 5 | 1.02751 | 194.641 | 8.93962 | D-VD SAND | 0 | 38 | 94.076 | 136.446 | 174.643 | 0 | 174.643 | 189.441 | 189.441 |
| 6 | 1.02751 | 237.12 | 9.76583 | D-VD SAND | 0 | 38 | 113.771 | 165.011 | 211.204 | 0 | 211.204 | 230.786 | 230.786 |
| 7 | 1.02751 | 277.715 | 10.5941 | D-VD SAND | 0 | 38 | 132.276 | 191.85 | 245.557 | 0 | 245.557 | 270.298 | 270.298 |
| 8 | 1.02751 | 316.412 | 11.4246 | D-VD SAND | 0 | 38 | 149.606 | 216.986 | 277.729 | 0 | 277.729 | 307.962 | 307.962 |
| 9 | 1.02751 | 353.194 | 12.2576 | D-VD SAND | 0 | 38 | 165.777 | 240.439 | 307.747 | 0 | 307.747 | 343.764 | 343.764 |
| 10 | 1.02751 | 388.045 | 13.0932 | D-VD SAND | 0 | 38 | 180.799 | 262.227 | 335.635 | 0 | 335.635 | 377.686 | 377.686 |
| 11 | 1.02751 | 421.331 | 13.9316 | D-VD SAND | 0 | 38 | 194.865 | 282.628 | 361.748 | 0 | 361.748 | 410.086 | 410.086 |
| 12 | 1.02751 | 465.051 | 14.7731 | D-VD SAND | 0 | 38 | 213.499 | 309.655 | 396.34 | 0 | 396.34 | 452.642 | 452.642 |
| 13 | 1.02751 | 512.725 | 15.6179 | D-VD SAND | 0 | 38 | 233.642 | 338.869 | 433.733 | 0 | 433.733 | 499.045 | 499.045 |
| 14 | 1.02751 | 558.38 | 16.4661 | D-VD SAND | 0 | 38 | 252.552 | 366.296 | 468.837 | 0 | 468.837 | 543.484 | 543.484 |
| 15 | 1.02751 | 601.992 | 17.3181 | D-VD SAND | 0 | 38 | 270.239 | 391.949 | 501.672 | 0 | 501.672 | 585.936 | 585.936 |
| 16 | 1.02751 | 643.53 | 18.1741 | D-VD SAND | 0 | 38 | 286.709 | 415.837 | 532.247 | 0 | 532.247 | 626.369 | 626.369 |
| 17 | 1.02751 | 682.967 | 19.0343 | D-VD SAND | 0 | 38 | 301.971 | 437.972 | 560.578 | 0 | 560.578 | 664.757 | 664.757 |
| 18 | 1.02751 | 720.27 | 19.8989 | D-VD SAND | 0 | 38 | 316.028 | 458.36 | 586.674 | 0 | 586.674 | 701.068 | 701.068 |
| 19 | 1.02751 | 755.404 | 20.7684 | D-VD SAND | 0 | 38 | 328.886 | 477.009 | 610.545 | 0 | 610.545 | 735.269 | 735.269 |
| 20 | 1.02751 | 788.332 | 21.6428 | D-VD SAND | 0 | 38 | 340.549 | 493.925 | 632.195 | 0 | 632.195 | 767.322 | 767.322 |
| 21 | 1.02751 | 819.015 | 22.5226 | D-VD SAND | 0 | 38 | 351.019 | 509.111 | 651.632 | 0 | 651.632 | 797.191 | 797.191 |
| 22 | 1.02751 | 847.411 | 23.408 | D-VD SAND | 0 | 38 | 360.299 | 522.57 | 668.859 | 0 | 668.859 | 824.834 | 824.834 |
| 23 | 1.02751 | 873.473 | 24.2994 | D-VD SAND | 0 | 38 | 368.388 | 534.303 | 683.877 | 0 | 683.877 | 850.206 | 850.206 |
| 24 | 1.03529 | 902.974 | 25.2005 | MD-D SAND/Silty SAND | 50 | 36 | 381.513 | 553.339 | 692.786 | 0 | 692.786 | 872.317 | 872.317 |
| 25 | 1.03529 | 922.353 | 26.1118 | MD-D SAND/Silty SAND | 50 | 36 | 386.04 | 559.905 | 701.824 | 0 | 701.824 | 891.041 | 891.041 |
| 26 | 1.03529 | 939.077 | 27.0302 | MD-D SAND/Silty SAND | 50 | 36 | 389.401 | 564.78 | 708.533 | 0 | 708.533 | 907.202 | 907.202 |
| 27 | 1.03529 | 951.076 | 27.9562 | MD-D SAND/Silty SAND | 50 | 36 | 390.824 | 566.844 | 711.375 | 0 | 711.375 | 918.797 | 918.797 |
| 28 | 1.03529 | 953.537 | 28.8902 | MD-D SAND/Silty SAND | 50 | 36 | 388.527 | 563.512 | 706.788 | 0 | 706.788 | 921.18 | 921.18 |
| 29 | 1.03529 | 952.589 | 29.8327 | MD-D SAND/Silty SAND | 50 | 36 | 384.898 | 558.248 | 699.543 | 0 | 699.543 | 920.268 | 920.268 |
| 30 | 1.03529 | 948.697 | 30.7842 | MD-D SAND/Silty SAND | 50 | 36 | 380.14 | 551.347 | 690.045 | 0 | 690.045 | 916.512 | 916.512 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | 1.03529 | 941.774 | 31.7452 | MD-D SAND/Silty SAND | 50 | 36 | 374.247 | 542.8 | 678.281 | 0 | 678.281 | 909.829 | 909.829 |
| 32 | 1.03529 | 931.727 | 32.7163 | MD-D SAND/Silty SAND | 50 | 36 | 367.211 | 532.595 | 664.235 | 0 | 664.235 | 900.127 | 900.127 |
| 33 | 1.03529 | 918.453 | 33.6981 | MD-D SAND/Silty SAND | 50 | 36 | 359.022 | 520.718 | 647.888 | 0 | 647.888 | 887.309 | 887.309 |
| 34 | 1.03529 | 901.842 | 34.6912 | MD-D SAND/Silty SAND | 50 | 36 | 349.671 | 507.156 | 629.222 | 0 | 629.222 | 871.266 | 871.266 |
| 35 | 1.03529 | 881.774 | 35.6964 | MD-D SAND/Silty SAND | 50 | 36 | 339.148 | 491.893 | 608.214 | 0 | 608.214 | 851.884 | 851.884 |
| 36 | 1.03529 | 862.439 | 36.7144 | MD-D SAND/Silty SAND | 50 | 36 | 328.961 | 477.119 | 587.879 | 0 | 587.879 | 833.208 | 833.208 |
| 37 | 1.03529 | 844.349 | 37.7461 | MD-D SAND/Silty SAND | 50 | 36 | 319.282 | 463.08 | 568.557 | 0 | 568.557 | 815.737 | 815.737 |
| 38 | 1.03529 | 822.378 | 38.7925 | MD-D SAND/Silty SAND | 50 | 36 | 308.325 | 447.188 | 546.682 | 0 | 546.682 | 794.515 | 794.515 |
| 39 | 1.03529 | 796.347 | 39.8544 | MD-D SAND/Silty SAND | 50 | 36 | 296.07 | 429.414 | 522.218 | 0 | 522.218 | 769.371 | 769.371 |
| 40 | 1.03529 | 766.067 | 40.933 | MD-D SAND/Silty SAND | 50 | 36 | 282.5 | 409.732 | 495.128 | 0 | 495.128 | 740.121 | 740.121 |
| 41 | 1.03529 | 731.328 | 42.0295 | MD-D SAND/Silty SAND | 50 | 36 | 267.594 | 388.113 | 465.372 | 0 | 465.372 | 706.565 | 706.565 |
| 42 | 1.03529 | 691.898 | 43.1453 | MD-D SAND/Silty SAND | 50 | 36 | 251.332 | 364.527 | 432.909 | 0 | 432.909 | 668.475 | 668.475 |
| 43 | 1.03529 | 647.049 | 44.2818 | MD-D SAND/Silty SAND | 50 | 36 | 233.539 | 338.721 | 397.391 | 0 | 397.391 | 625.148 | 625.148 |
| 44 | 1.03529 | 585.561 | 45.4408 | MD-D SAND/Silty SAND | 50 | 36 | 210.694 | 305.587 | 351.785 | 0 | 351.785 | 565.747 | 565.747 |
| 45 | 1.03529 | 513.623 | 46.6242 | MD-D SAND/Silty SAND | 50 | 36 | 184.987 | 268.301 | 300.466 | 0 | 300.466 | 496.249 | 496.249 |
| 46 | 1.03529 | 435.746 | 47.834 | MD-D SAND/Silty SAND | 50 | 36 | 157.988 | 229.142 | 246.568 | 0 | 246.568 | 421.012 | 421.012 |
| 47 | 1.03529 | 351.508 | 49.0727 | MD-D SAND/Silty SAND | 50 | 36 | 129.683 | 188.089 | 190.063 | 0 | 190.063 | 339.628 | 339.628 |
| 48 | 1.03529 | 260.424 | 50.3432 | MD-D SAND/Silty SAND | 50 | 36 | 100.058 | 145.122 | 130.924 | 0 | 130.924 | 251.629 | 251.629 |
| 49 | 1.03529 | 161.933 | 51.6486 | MD-D SAND/Silty SAND | 50 | 36 | 69.1045 | 100.228 | 69.1328 | 0 | 69.1328 | 156.473 | 156.473 |
| 50 | 1.03529 | 55.3802 | 52.9929 | MD-D SAND/Silty SAND | 50 | 36 | 36.8179 | 53.4 | 4.67968 | 0 | 4.67968 | 53.526 | 53.526 |

## Cross Section G-G' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 0.950407

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.25537 | 16.7203 | 10.2215 | D-VD SAND | 0 | 38 | 9.5357 | 9.0628 | 11.5998 | 0 | 11.5998 | 13.3193 | 13.3193 |
| 2 | 1.25537 | 49.0309 | 10.8832 | D-VD SAND | 0 | 38 | 27.7256 | 26.3506 | 33.7272 | 0 | 33.7272 | 39.0578 | 39.0578 |
| 3 | 1.25537 | 79.0742 | 11.5463 | D-VD SAND | 0 | 38 | 44.3356 | 42.1369 | 53.9328 | 0 | 53.9328 | 62.9903 | 62.9903 |
| 4 | 1.25537 | 106.866 | 12.211 | D-VD SAND | 0 | 38 | 59.4117 | 56.4653 | 72.2723 | 0 | 72.2723 | 85.1295 | 85.1295 |
| 5 | 1.25537 | 147.116 | 12.8774 | D-VD SAND | 0 | 38 | 81.0974 | 77.0755 | 98.6522 | 0 | 98.6522 | 117.192 | 117.192 |
| 6 | 1.25537 | 197.275 | 13.5456 | D-VD SAND | 0 | 38 | 107.83 | 102.482 | 131.171 | 0 | 131.171 | 157.149 | 157.149 |
| 7 | 1.25537 | 245.097 | 14.2157 | D-VD SAND | 0 | 38 | 132.838 | 126.25 | 161.592 | 0 | 161.592 | 195.244 | 195.244 |
| 8 | 1.25537 | 290.562 | 14.8877 | D-VD SAND | 0 | 38 | 156.149 | 148.405 | 189.95 | 0 | 189.95 | 231.462 | 231.462 |
| 9 | 1.25537 | 333.648 | 15.5619 | D-VD SAND | 0 | 38 | 177.788 | 168.971 | 216.273 | 0 | 216.273 | 265.785 | 265.785 |
| 10 | 1.25537 | 374.332 | 16.2382 | D-VD SAND | 0 | 38 | 197.778 | 187.97 | 240.591 | 0 | 240.591 | 298.194 | 298.194 |
| 11 | 1.25537 | 412.59 | 16.9169 | D-VD SAND | 0 | 38 | 216.144 | 205.425 | 262.932 | 0 | 262.932 | 328.671 | 328.671 |
| 12 | 1.25537 | 448.492 | 17.5981 | D-VD SAND | 0 | 38 | 232.955 | 221.402 | 283.382 | 0 | 283.382 | 357.271 | 357.271 |
| 13 | 1.25537 | 498.026 | 18.2818 | D-VD SAND | 0 | 38 | 256.48 | 243.76 | 311.998 | 0 | 311.998 | 396.73 | 396.73 |
| 14 | 1.25537 | 556.819 | 18.9683 | D-VD SAND | 0 | 38 | 284.306 | 270.206 | 345.847 | 0 | 345.847 | 443.565 | 443.565 |
| 15 | 1.25537 | 613.072 | 19.6575 | D-VD SAND | 0 | 38 | 310.341 | 294.95 | 377.519 | 0 | 377.519 | 488.378 | 488.378 |
| 16 | 1.25537 | 666.755 | 20.3498 | D-VD SAND | 0 | 38 | 334.606 | 318.012 | 407.037 | 0 | 407.037 | 531.142 | 531.142 |
| 17 | 1.25537 | 717.832 | 21.0452 | D-VD SAND | 0 | 38 | 357.119 | 339.408 | 434.423 | 0 | 434.423 | 571.831 | 571.831 |
| 18 | 1.25537 | 766.267 | 21.7438 | D-VD SAND | 0 | 38 | 377.896 | 359.155 | 459.698 | 0 | 459.698 | 610.415 | 610.415 |
| 19 | 1.25537 | 812.023 | 22.4459 | D-VD SAND | 0 | 38 | 396.954 | 377.268 | 482.881 | 0 | 482.881 | 646.866 | 646.866 |
| 20 | 1.25537 | 855.06 | 23.1515 | D-VD SAND | 0 | 38 | 414.309 | 393.762 | 503.992 | 0 | 503.992 | 681.15 | 681.15 |
| 21 | 1.21968 | 867.996 | 23.8507 | MD-D SAND/Silty SAND | 50 | 36 | 445.946 | 423.83 | 514.533 | 0 | 514.533 | 711.69 | 711.69 |
| 22 | 1.21968 | 900.653 | 24.5436 | MD-D SAND/Silty SAND | 50 | 36 | 457.446 | 434.76 | 529.577 | 0 | 529.577 | 738.468 | 738.468 |
| 23 | 1.21968 | 930.585 | 25.2403 | MD-D SAND/Silty SAND | 50 | 36 | 467.439 | 444.257 | 542.648 | 0 | 542.648 | 763.01 | 763.01 |
| 24 | 1.21968 | 957.745 | 25.9411 | MD-D SAND/Silty SAND | 50 | 36 | 475.932 | 452.329 | 553.758 | 0 | 553.758 | 785.279 | 785.279 |
| 25 | 1.21968 | 981.823 | 26.646 | MD-D SAND/Silty SAND | 50 | 36 | 482.814 | 458.87 | 562.762 | 0 | 562.762 | 805.022 | 805.022 |
| 26 | 1.21968 | 994.496 | 27.3553 | MD-D SAND/Silty SAND | 50 | 36 | 484.382 | 460.36 | 564.813 | 0 | 564.813 | 815.413 | 815.413 |
| 27 | 1.21968 | 1000.12 | 28.0692 | MD-D SAND/Silty SAND | 50 | 36 | 482.705 | 458.766 | 562.618 | 0 | 562.618 | 820.025 | 820.025 |
| 28 | 1.21968 | 1002.76 | 28.7879 | MD-D SAND/Silty SAND | 50 | 36 | 479.656 | 455.868 | 558.629 | 0 | 558.629 | 822.19 | 822.19 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 1.21968 | 1002.35 | 29.5115 | MD-D SAND/Silty SAND | 50 | 36 | 475.239 | 451.67 | 552.851 | 0 | 552.851 | 821.854 | 821.854 |
| 30 | 1.21968 | 998.825 | 30.2404 | MD-D SAND/Silty SAND | 50 | 36 | 469.46 | 446.178 | 545.292 | 0 | 545.292 | 818.967 | 818.967 |
| 31 | 1.21968 | 992.121 | 30.9747 | MD-D SAND/Silty SAND | 50 | 36 | 462.323 | 439.395 | 535.956 | 0 | 535.956 | 813.47 | 813.47 |
| 32 | 1.21968 | 982.162 | 31.7147 | MD-D SAND/Silty SAND | 50 | 36 | 453.834 | 431.327 | 524.851 | 0 | 524.851 | 805.306 | 805.306 |
| 33 | 1.21968 | 973.234 | 32.4607 | MD-D SAND/Silty SAND | 50 | 36 | 445.835 | 423.725 | 514.388 | 0 | 514.388 | 797.986 | 797.986 |
| 34 | 1.21968 | 969.235 | 33.2129 | MD-D SAND/Silty SAND | 50 | 36 | 439.941 | 418.123 | 506.678 | 0 | 506.678 | 794.708 | 794.708 |
| 35 | 1.21968 | 961.937 | 33.9716 | MD-D SAND/Silty SAND | 50 | 36 | 432.686 | 411.228 | 497.187 | 0 | 497.187 | 788.726 | 788.726 |
| 36 | 1.21968 | 951.042 | 34.7372 | MD-D SAND/Silty SAND | 50 | 36 | 423.985 | 402.958 | 485.805 | 0 | 485.805 | 779.793 | 779.793 |
| 37 | 1.21968 | 936.45 | 35.5099 | MD-D SAND/Silty SAND | 50 | 36 | 413.838 | 393.315 | 472.533 | 0 | 472.533 | 767.829 | 767.829 |
| 38 | 1.21968 | 918.054 | 36.2901 | MD-D SAND/Silty SAND | 50 | 36 | 402.249 | 382.3 | 457.372 | 0 | 457.372 | 752.746 | 752.746 |
| 39 | 1.21968 | 894.935 | 37.0782 | MD-D SAND/Silty SAND | 50 | 36 | 388.895 | 369.609 | 439.904 | 0 | 439.904 | 733.791 | 733.791 |
| 40 | 1.21968 | 851.648 | 37.8746 | MD-D SAND/Silty SAND | 50 | 36 | 367.766 | 349.527 | 412.264 | 0 | 412.264 | 698.3 | 698.3 |
| 41 | 1.21968 | 797.876 | 38.6797 | MD-D SAND/Silty SAND | 50 | 36 | 342.88 | 325.876 | 379.712 | 0 | 379.712 | 654.211 | 654.211 |
| 42 | 1.21968 | 739.791 | 39.494 | MD-D SAND/Silty SAND | 50 | 36 | 316.753 | 301.044 | 345.532 | 0 | 345.532 | 606.587 | 606.587 |
| 43 | 1.21968 | 677.241 | 40.3179 | MD-D SAND/Silty SAND | 50 | 36 | 289.383 | 275.032 | 309.73 | 0 | 309.73 | 555.3 | 555.3 |
| 44 | 1.21968 | 610.061 | 41.152 | MD-D SAND/Silty SAND | 50 | 36 | 260.777 | 247.844 | 272.309 | 0 | 272.309 | 500.216 | 500.216 |
| 45 | 1.21968 | 538.073 | 41.9969 | MD-D SAND/Silty SAND | 50 | 36 | 230.938 | 219.485 | 233.277 | 0 | 233.277 | 441.191 | 441.191 |
| 46 | 1.21968 | 461.085 | 42.8531 | MD-D SAND/Silty SAND | 50 | 36 | 199.872 | 189.96 | 192.638 | 0 | 192.638 | 378.067 | 378.067 |
| 47 | 1.21968 | 378.856 | 43.7214 | MD-D SAND/Silty SAND | 50 | 36 | 167.573 | 159.263 | 150.388 | 0 | 150.388 | 310.644 | 310.644 |
| 48 | 1.21968 | 282.512 | 44.6024 | MD-D SAND/Silty SAND | 50 | 36 | 130.96 | 124.465 | 102.493 | 0 | 102.493 | 231.648 | 231.648 |
| 49 | 1.21968 | 173.694 | 45.497 | MD-D SAND/Silty SAND | 50 | 36 | 90.8328 | 86.3281 | 50.0013 | 0 | 50.0013 | 142.424 | 142.424 |
| 50 | 1.21968 | 58.9153 | 46.4061 | MD-D SAND/Silty SAND | 50 | 36 | 49.6644 | 47.2014 | -3.85192 | 0 | -3.85192 | 48.312 | 48.312 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.919098

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.14711 | 21.2369 | 5.03801 | D-VD SAND | 0 | 38 | 14.6451 | 13.4603 | 17.2285 | 0 | 17.2285 | 18.5195 | 18.5195 |
| 2 | 1.14711 | 62.5339 | 5.88427 | D-VD SAND | 0 | 38 | 42.6236 | 39.1753 | 50.1422 | 0 | 50.1422 | 54.5351 | 54.5351 |
| 3 | 1.14711 | 110.282 | 6.73181 | D-VD SAND | 0 | 38 | 74.3034 | 68.2921 | 87.4099 | 0 | 87.4099 | 96.1804 | 96.1804 |
| 4 | 1.14711 | 169.255 | 7.58084 | D-VD SAND | 0 | 38 | 112.731 | 103.611 | 132.616 | 0 | 132.616 | 147.62 | 147.62 |
| 5 | 1.14711 | 225.996 | 8.43154 | D-VD SAND | 0 | 38 | 148.81 | 136.771 | 175.06 | 0 | 175.06 | 197.118 | 197.118 |
| 6 | 1.14711 | 280.339 | 9.28413 | D-VD SAND | 0 | 38 | 182.502 | 167.737 | 214.694 | 0 | 214.694 | 244.528 | 244.528 |
| 7 | 1.14711 | 332.265 | 10.1388 | D-VD SAND | 0 | 38 | 213.866 | 196.564 | 251.59 | 0 | 251.59 | 289.835 | 289.835 |
| 8 | 1.14711 | 381.758 | 10.9957 | D-VD SAND | 0 | 38 | 242.959 | 223.303 | 285.815 | 0 | 285.815 | 333.022 | 333.022 |
| 9 | 1.14711 | 428.796 | 11.8552 | D-VD SAND | 0 | 38 | 269.834 | 248.004 | 317.43 | 0 | 317.43 | 374.073 | 374.073 |
| 10 | 1.14711 | 473.357 | 12.7173 | D-VD SAND | 0 | 38 | 294.54 | 270.711 | 346.495 | 0 | 346.495 | 412.966 | 412.966 |
| 11 | 1.14711 | 515.739 | 13.5824 | D-VD SAND | 0 | 38 | 317.322 | 291.65 | 373.296 | 0 | 373.296 | 449.961 | 449.961 |
| 12 | 1.14711 | 570.509 | 14.4507 | D-VD SAND | 0 | 38 | 347.096 | 319.015 | 408.321 | 0 | 408.321 | 497.767 | 497.767 |
| 13 | 1.14711 | 630.84 | 15.3224 | D-VD SAND | 0 | 38 | 379.507 | 348.804 | 446.449 | 0 | 446.449 | 550.43 | 550.43 |
| 14 | 1.14711 | 688.583 | 16.1977 | D-VD SAND | 0 | 38 | 409.605 | 376.467 | 481.856 | 0 | 481.856 | 600.839 | 600.839 |
| 15 | 1.14711 | 743.704 | 17.0769 | D-VD SAND | 0 | 38 | 437.428 | 402.039 | 514.586 | 0 | 514.586 | 648.964 | 648.964 |
| 16 | 1.14711 | 796.166 | 17.9603 | D-VD SAND | 0 | 38 | 463.013 | 425.554 | 544.684 | 0 | 544.684 | 694.772 | 694.772 |
| 17 | 1.14711 | 845.931 | 18.8482 | D-VD SAND | 0 | 38 | 486.395 | 447.045 | 572.191 | 0 | 572.191 | 738.23 | 738.23 |
| 18 | 1.14711 | 892.957 | 19.7407 | D-VD SAND | 0 | 38 | 507.607 | 466.541 | 597.144 | 0 | 597.144 | 779.301 | 779.301 |
| 19 | 1.14711 | 937.197 | 20.6383 | D-VD SAND | 0 | 38 | 526.677 | 484.068 | 619.579 | 0 | 619.579 | 817.946 | 817.946 |
| 20 | 1.14711 | 978.605 | 21.5412 | D-VD SAND | 0 | 38 | 543.632 | 499.651 | 639.525 | 0 | 639.525 | 854.119 | 854.119 |
| 21 | 1.14711 | 1017.13 | 22.4498 | D-VD SAND | 0 | 38 | 558.499 | 513.315 | 657.013 | 0 | 657.013 | 887.777 | 887.777 |
| 22 | 1.14711 | 1052.71 | 23.3643 | D-VD SAND | 0 | 38 | 571.297 | 525.078 | 672.07 | 0 | 672.07 | 918.87 | 918.87 |
| 23 | 1.14711 | 1085.28 | 24.2852 | D-VD SAND | 0 | 38 | 582.051 | 534.962 | 684.72 | 0 | 684.72 | 947.345 | 947.345 |
| 24 | 1.11043 | 1077.52 | 25.1979 | MD-D SAND/Silty SAND | 50 | 36 | 599.531 | 551.028 | 689.606 | 0 | 689.606 | 971.697 | 971.697 |
| 25 | 1.11043 | 1099.69 | 26.1025 | MD-D SAND/Silty SAND | 50 | 36 | 604.311 | 555.421 | 695.653 | 0 | 695.653 | 991.735 | 991.735 |
| 26 | 1.11043 | 1112.06 | 27.0142 | MD-D SAND/Silty SAND | 50 | 36 | 603.843 | 554.991 | 695.061 | 0 | 695.061 | 1002.92 | 1002.92 |
| 27 | 1.11043 | 1117.53 | 27.9334 | MD-D SAND/Silty SAND | 50 | 36 | 599.762 | 551.24 | 689.897 | 0 | 689.897 | 1007.9 | 1007.9 |
| 28 | 1.11043 | 1119.82 | 28.8604 | MD-D SAND/Silty SAND | 50 | 36 | 594.018 | 545.961 | 682.631 | 0 | 682.631 | 1010.01 | 1010.01 |
| 29 | 1.11043 | 1118.85 | 29.7958 | MD-D SAND/Silty SAND | 50 | 36 | 586.62 | 539.161 | 673.273 | 0 | 673.273 | 1009.18 | 1009.18 |
| 30 | 1.11043 | 1114.52 | 30.74 | MD-D SAND/Silty SAND | 50 | 36 | 577.573 | 530.846 | 661.828 | 0 | 661.828 | 1005.31 | 1005.31 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | 1.11043 | 1106.73 | 31.6936 | MD-D SAND/Silty SAND | 50 | 36 | 566.882 | 521.02 | 648.304 | 0 | 648.304 | 998.33 | 998.33 |
| 32 | 1.11043 | 1095.38 | 32.6571 | MD-D SAND/Silty SAND | 50 | 36 | 554.551 | 509.687 | 632.705 | 0 | 632.705 | 988.134 | 988.134 |
| 33 | 1.11043 | 1080.37 | 33.631 | MD-D SAND/Silty SAND | 50 | 36 | 540.591 | 496.856 | 615.045 | 0 | 615.045 | 974.635 | 974.635 |
| 34 | 1.11043 | 1067.46 | 34.6162 | MD-D SAND/Silty SAND | 50 | 36 | 527.718 | 485.025 | 598.76 | 0 | 598.76 | 963.028 | 963.028 |
| 35 | 1.11043 | 1055.39 | 35.6131 | MD-D SAND/Silty SAND | 50 | 36 | 515.319 | 473.629 | 583.076 | 0 | 583.076 | 952.187 | 952.187 |
| 36 | 1.11043 | 1039.24 | 36.6227 | MD-D SAND/Silty SAND | 50 | 36 | 501.157 | 460.612 | 565.16 | 0 | 565.16 | 937.659 | 937.659 |
| 37 | 1.11043 | 1018.85 | 37.6456 | MD-D SAND/Silty SAND | 50 | 36 | 485.228 | 445.972 | 545.009 | 0 | 545.009 | 919.3 | 919.3 |
| 38 | 1.11043 | 994.032 | 38.6829 | MD-D SAND/Silty SAND | 50 | 36 | 467.529 | 429.705 | 522.619 | 0 | 522.619 | 896.951 | 896.951 |
| 39 | 1.11043 | 964.599 | 39.7354 | MD-D SAND/Silty SAND | 50 | 36 | 448.057 | 411.808 | 497.985 | 0 | 497.985 | 870.437 | 870.437 |
| 40 | 1.11043 | 930.338 | 40.8042 | MD-D SAND/Silty SAND | 50 | 36 | 426.804 | 392.275 | 471.102 | 0 | 471.102 | 839.564 | 839.564 |
| 41 | 1.11043 | 884.057 | 41.8906 | MD-D SAND/Silty SAND | 50 | 36 | 400.865 | 368.434 | 438.287 | 0 | 438.287 | 797.843 | 797.843 |
| 42 | 1.11043 | 820.362 | 42.9958 | MD-D SAND/Silty SAND | 50 | 36 | 368.263 | 338.47 | 397.045 | 0 | 397.045 | 740.405 | 740.405 |
| 43 | 1.11043 | 750.836 | 44.1212 | MD-D SAND/Silty SAND | 50 | 36 | 334.042 | 307.017 | 353.753 | 0 | 353.753 | 677.702 | 677.702 |
| 44 | 1.11043 | 675.374 | 45.2685 | MD-D SAND/Silty SAND | 50 | 36 | 298.295 | 274.162 | 308.533 | 0 | 308.533 | 609.636 | 609.636 |
| 45 | 1.11043 | 593.61 | 46.4395 | MD-D SAND/Silty SAND | 50 | 36 | 261.029 | 239.911 | 261.39 | 0 | 261.39 | 535.876 | 535.876 |
| 46 | 1.11043 | 505.132 | 47.6362 | MD-D SAND/Silty SAND | 50 | 36 | 222.256 | 204.275 | 212.342 | 0 | 212.342 | 456.052 | 456.052 |
| 47 | 1.11043 | 409.472 | 48.8611 | MD-D SAND/Silty SAND | 50 | 36 | 181.99 | 167.267 | 161.404 | 0 | 161.404 | 369.738 | 369.738 |
| 48 | 1.11043 | 306.093 | 50.1167 | MD-D SAND/Silty SAND | 50 | 36 | 140.254 | 128.907 | 108.606 | 0 | 108.606 | 276.447 | 276.447 |
| 49 | 1.11043 | 194.375 | 51.4062 | MD-D SAND/Silty SAND | 50 | 36 | 97.0776 | 89.2238 | 53.9869 | 0 | 53.9869 | 175.621 | 175.621 |
| 50 | 1.11043 | 69.0182 | 52.7332 | MD-D SAND/Silty SAND | 50 | 36 | 50.9016 | 46.7836 | -4.42705 | 0 | -4.42705 | 62.4711 | 62.4711 |

## Cross Section H-H' - Master Scenario

### Global Minimum Query (bishop simplified) - Safety Factor: 1.02893

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.94308 | 15.0723 | -0.320806 | Landslide Debris | 0 | 20 | 5.66468 | 5.82856 | 16.0139 | 0 | 16.0139 | 15.9822 | 15.9822 |
| 2 | 0.94308 | 44.6206 | 0.4475 | Landslide Debris | 0 | 20 | 16.6903 | 17.1732 | 47.183 | 0 | 47.183 | 47.3134 | 47.3134 |
| 3 | 0.94308 | 72.9761 | 1.21589 | Landslide Debris | 0 | 20 | 27.1677 | 27.9537 | 76.8023 | 0 | 76.8023 | 77.3789 | 77.3789 |
| 4 | 0.94308 | 100.138 | 1.98449 | Landslide Debris | 0 | 20 | 37.1043 | 38.1777 | 104.892 | 0 | 104.892 | 106.178 | 106.178 |
| 5 | 0.94308 | 126.105 | 2.75345 | Landslide Debris | 0 | 20 | 46.5068 | 47.8522 | 131.473 | 0 | 131.473 | 133.71 | 133.71 |
| 6 | 0.94308 | 150.875 | 3.52291 | Landslide Debris | 0 | 20 | 55.3816 | 56.9838 | 156.562 | 0 | 156.562 | 159.972 | 159.972 |
| 7 | 0.94308 | 174.446 | 4.29301 | Landslide Debris | 0 | 20 | 63.7349 | 65.5787 | 180.176 | 0 | 180.176 | 184.96 | 184.96 |
| 8 | 0.94308 | 197.55 | 5.06388 | Landslide Debris | 0 | 20 | 71.8397 | 73.918 | 203.088 | 0 | 203.088 | 209.454 | 209.454 |
| 9 | 0.94308 | 222.846 | 5.83568 | Landslide Debris | 0 | 20 | 80.6617 | 82.9952 | 228.027 | 0 | 228.027 | 236.271 | 236.271 |
| 10 | 0.94308 | 247.357 | 6.60854 | Landslide Debris | 0 | 20 | 89.1171 | 91.6953 | 251.931 | 0 | 251.931 | 262.255 | 262.255 |
| 11 | 0.94308 | 270.65 | 7.3826 | Landslide Debris | 0 | 20 | 97.0558 | 99.8636 | 274.372 | 0 | 274.372 | 286.948 | 286.948 |
| 12 | 0.94308 | 292.721 | 8.15803 | Landslide Debris | 0 | 20 | 104.481 | 107.504 | 295.366 | 0 | 295.366 | 310.344 | 310.344 |
| 13 | 0.94308 | 313.562 | 8.93496 | Landslide Debris | 0 | 20 | 111.399 | 114.622 | 314.921 | 0 | 314.921 | 332.436 | 332.436 |
| 14 | 0.94308 | 333.166 | 9.71356 | Landslide Debris | 0 | 20 | 117.812 | 121.22 | 333.048 | 0 | 333.048 | 353.214 | 353.214 |
| 15 | 0.94308 | 351.524 | 10.494 | Landslide Debris | 0 | 20 | 123.722 | 127.301 | 349.755 | 0 | 349.755 | 372.672 | 372.672 |
| 16 | 0.94308 | 368.628 | 11.2764 | Landslide Debris | 0 | 20 | 129.132 | 132.868 | 365.052 | 0 | 365.052 | 390.8 | 390.8 |
| 17 | 0.94308 | 384.467 | 12.0609 | Landslide Debris | 0 | 20 | 134.047 | 137.925 | 378.945 | 0 | 378.945 | 407.586 | 407.586 |
| 18 | 0.94308 | 399.03 | 12.8477 | Landslide Debris | 0 | 20 | 138.467 | 142.473 | 391.441 | 0 | 391.441 | 423.021 | 423.021 |
| 19 | 0.94308 | 412.307 | 13.637 | Landslide Debris | 0 | 20 | 142.395 | 146.514 | 402.543 | 0 | 402.543 | 437.089 | 437.089 |
| 20 | 0.94308 | 424.284 | 14.4289 | Landslide Debris | 0 | 20 | 145.831 | 150.05 | 412.259 | 0 | 412.259 | 449.781 | 449.781 |
| 21 | 0.94308 | 434.948 | 15.2237 | Landslide Debris | 0 | 20 | 148.779 | 153.083 | 420.591 | 0 | 420.591 | 461.079 | 461.079 |
| 22 | 0.94308 | 444.284 | 16.0215 | Landslide Debris | 0 | 20 | 151.238 | 155.613 | 427.542 | 0 | 427.542 | 470.97 | 470.97 |
| 23 | 0.94308 | 452.277 | 16.8225 | Landslide Debris | 0 | 20 | 153.209 | 157.641 | 433.115 | 0 | 433.115 | 479.437 | 479.437 |
| 24 | 0.94308 | 458.909 | 17.6269 | Landslide Debris | 0 | 20 | 154.693 | 159.168 | 437.31 | 0 | 437.31 | 486.462 | 486.462 |
| 25 | 0.94308 | 464.164 | 18.4349 | Landslide Debris | 0 | 20 | 155.69 | 160.194 | 440.129 | 0 | 440.129 | 492.025 | 492.025 |
| 26 | 0.94308 | 468.022 | 19.2467 | Landslide Debris | 0 | 20 | 156.2 | 160.719 | 441.57 | 0 | 441.57 | 496.107 | 496.107 |
| 27 | 0.94308 | 470.462 | 20.0625 | Landslide Debris | 0 | 20 | 156.222 | 160.742 | 441.635 | 0 | 441.635 | 498.688 | 498.688 |
| 28 | 0.94308 | 471.463 | 20.8826 | Landslide Debris | 0 | 20 | 155.757 | 160.263 | 440.318 | 0 | 440.318 | 499.742 | 499.742 |
| 29 | 0.94308 | 471.001 | 21.7072 | Landslide Debris | 0 | 20 | 154.803 | 159.281 | 437.621 | 0 | 437.621 | 499.247 | 499.247 |
| 30 | 0.94308 | 469.052 | 22.5366 | Landslide Debris | 0 | 20 | 153.357 | 157.794 | 433.536 | 0 | 433.536 | 497.174 | 497.174 |
| 31 | 0.94308 | 465.59 | 23.371 | Landslide Debris | 0 | 20 | 151.421 | 155.802 | 428.062 | 0 | 428.062 | 493.497 | 493.497 |
| 32 | 0.94308 | 460.585 | 24.2107 | Landslide Debris | 0 | 20 | 148.991 | 153.301 | 421.192 | 0 | 421.192 | 488.185 | 488.185 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 0.94308 | 454.007 | 25.0559 | Landslide Debris | 0 | 20 | 146.065 | 150.291 | 412.922 | 0 | 412.922 | 481.207 | 481.207 |
| 34 | 0.94308 | 445.825 | 25.907 | Landslide Debris | 0 | 20 | 142.641 | 146.768 | 403.242 | 0 | 403.242 | 472.527 | 472.527 |
| 35 | 0.94308 | 436.004 | 26.7643 | Landslide Debris | 0 | 20 | 138.718 | 142.731 | 392.149 | 0 | 392.149 | 462.112 | 462.112 |
| 36 | 0.94308 | 423.288 | 27.6281 | Landslide Debris | 0 | 20 | 133.904 | 137.778 | 378.541 | 0 | 378.541 | 448.628 | 448.628 |
| 37 | 0.94308 | 407.632 | 28.4988 | Landslide Debris | 0 | 20 | 128.202 | 131.911 | 362.424 | 0 | 362.424 | 432.028 | 432.028 |
| 38 | 0.94308 | 390.219 | 29.3768 | Landslide Debris | 0 | 20 | 122 | 125.529 | 344.889 | 0 | 344.889 | 413.567 | 413.567 |
| 39 | 0.94308 | 371.002 | 30.2624 | Landslide Debris | 0 | 20 | 115.292 | 118.627 | 325.925 | 0 | 325.925 | 393.195 | 393.195 |
| 40 | 0.94308 | 349.934 | 31.156 | Landslide Debris | 0 | 20 | 108.074 | 111.201 | 305.522 | 0 | 305.522 | 370.861 | 370.861 |
| 41 | 0.94308 | 326.962 | 32.0582 | Landslide Debris | 0 | 20 | 100.343 | 103.246 | 283.666 | 0 | 283.666 | 346.509 | 346.509 |
| 42 | 0.94308 | 302.031 | 32.9693 | Landslide Debris | 0 | 20 | 92.0939 | 94.7582 | 260.346 | 0 | 260.346 | 320.083 | 320.083 |
| 43 | 0.94308 | 275.078 | 33.8899 | Landslide Debris | 0 | 20 | 83.3213 | 85.7318 | 235.547 | 0 | 235.547 | 291.515 | 291.515 |
| 44 | 0.94308 | 246.04 | 34.8206 | Landslide Debris | 0 | 20 | 74.0202 | 76.1616 | 209.252 | 0 | 209.252 | 260.737 | 260.737 |
| 45 | 0.94308 | 214.845 | 35.762 | Landslide Debris | 0 | 20 | 64.1849 | 66.0418 | 181.449 | 0 | 181.449 | 227.676 | 227.676 |
| 46 | 0.94308 | 181.417 | 36.7146 | Landslide Debris | 0 | 20 | 53.8096 | 55.3663 | 152.118 | 0 | 152.118 | 192.248 | 192.248 |
| 47 | 0.94308 | 145.672 | 37.6792 | Landslide Debris | 0 | 20 | 42.8882 | 44.129 | 121.243 | 0 | 121.243 | 154.366 | 154.366 |
| 48 | 0.94308 | 107.52 | 38.6565 | Landslide Debris | 0 | 20 | 31.4143 | 32.3231 | 88.807 | 0 | 88.807 | 113.935 | 113.935 |
| 49 | 0.94308 | 66.8624 | 39.6473 | Landslide Debris | 0 | 20 | 19.3811 | 19.9418 | 54.7898 | 0 | 54.7898 | 70.8502 | 70.8502 |
| 50 | 0.94308 | 23.491 | 40.6525 | Landslide Debris | 0 | 20 | 6.75363 | 6.94901 | 19.0923 | 0 | 19.0923 | 24.8916 | 24.8916 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.99933

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.94308 | 15.0723 | -0.320806 | Landslide Debris | 0 | 20 | 5.83277 | 5.82886 | 16.0146 | 0 | 16.0146 | 15.982 | 15.982 |
| 2 | 0.94308 | 44.6206 | 0.4475 | Landslide Debris | 0 | 20 | 17.1835 | 17.172 | 47.1796 | 0 | 47.1796 | 47.3138 | 47.3138 |
| 3 | 0.94308 | 72.9761 | 1.21589 | Landslide Debris | 0 | 20 | 27.967 | 27.9483 | 76.7875 | 0 | 76.7875 | 77.381 | 77.381 |
| 4 | 0.94308 | 100.138 | 1.98449 | Landslide Debris | 0 | 20 | 38.1913 | 38.1657 | 104.859 | 0 | 104.859 | 106.183 | 106.183 |
| 5 | 0.94308 | 126.105 | 2.75345 | Landslide Debris | 0 | 20 | 47.8635 | 47.8314 | 131.416 | 0 | 131.416 | 133.718 | 133.718 |
| 6 | 0.94308 | 150.875 | 3.52291 | Landslide Debris | 0 | 20 | 56.9905 | 56.9523 | 156.475 | 0 | 156.475 | 159.984 | 159.984 |
| 7 | 0.94308 | 174.446 | 4.29301 | Landslide Debris | 0 | 20 | 65.5786 | 65.5347 | 180.055 | 0 | 180.055 | 184.978 | 184.978 |
| 8 | 0.94308 | 197.55 | 5.06388 | Landslide Debris | 0 | 20 | 73.9092 | 73.8597 | 202.928 | 0 | 202.928 | 209.477 | 209.477 |
| 9 | 0.94308 | 222.846 | 5.83568 | Landslide Debris | 0 | 20 | 82.9757 | 82.9201 | 227.821 | 0 | 227.821 | 236.302 | 236.302 |
| 10 | 0.94308 | 247.357 | 6.60854 | Landslide Debris | 0 | 20 | 91.6631 | 91.6017 | 251.674 | 0 | 251.674 | 262.293 | 262.293 |
| 11 | 0.94308 | 270.65 | 7.3826 | Landslide Debris | 0 | 20 | 99.817 | 99.7501 | 274.061 | 0 | 274.061 | 286.994 | 286.994 |
| 12 | 0.94308 | 292.721 | 8.15803 | Landslide Debris | 0 | 20 | 107.442 | 107.37 | 294.996 | 0 | 294.996 | 310.399 | 310.399 |
| 13 | 0.94308 | 313.562 | 8.93496 | Landslide Debris | 0 | 20 | 114.542 | 114.465 | 314.491 | 0 | 314.491 | 332.499 | 332.499 |
| 14 | 0.94308 | 333.166 | 9.71356 | Landslide Debris | 0 | 20 | 121.121 | 121.04 | 332.556 | 0 | 332.556 | 353.289 | 353.289 |
| 15 | 0.94308 | 351.524 | 10.494 | Landslide Debris | 0 | 20 | 127.183 | 127.098 | 349.199 | 0 | 349.199 | 372.757 | 372.757 |
| 16 | 0.94308 | 368.628 | 11.2764 | Landslide Debris | 0 | 20 | 132.73 | 132.641 | 364.429 | 0 | 364.429 | 390.894 | 390.894 |
| 17 | 0.94308 | 384.467 | 12.0609 | Landslide Debris | 0 | 20 | 137.766 | 137.674 | 378.255 | 0 | 378.255 | 407.692 | 407.692 |
| 18 | 0.94308 | 399.03 | 12.8477 | Landslide Debris | 0 | 20 | 142.292 | 142.197 | 390.684 | 0 | 390.684 | 423.136 | 423.136 |
| 19 | 0.94308 | 412.307 | 13.637 | Landslide Debris | 0 | 20 | 146.312 | 146.214 | 401.719 | 0 | 401.719 | 437.216 | 437.216 |
| 20 | 0.94308 | 424.284 | 14.4289 | Landslide Debris | 0 | 20 | 149.826 | 149.726 | 411.369 | 0 | 411.369 | 449.918 | 449.918 |
| 21 | 0.94308 | 434.948 | 15.2237 | Landslide Debris | 0 | 20 | 152.836 | 152.734 | 419.634 | 0 | 419.634 | 461.227 | 461.227 |
| 22 | 0.94308 | 444.284 | 16.0215 | Landslide Debris | 0 | 20 | 155.345 | 155.241 | 426.522 | 0 | 426.522 | 471.129 | 471.129 |
| 23 | 0.94308 | 452.277 | 16.8225 | Landslide Debris | 0 | 20 | 157.352 | 157.247 | 432.031 | 0 | 432.031 | 479.606 | 479.606 |
| 24 | 0.94308 | 458.909 | 17.6269 | Landslide Debris | 0 | 20 | 158.858 | 158.752 | 436.166 | 0 | 436.166 | 486.641 | 486.641 |
| 25 | 0.94308 | 464.164 | 18.4349 | Landslide Debris | 0 | 20 | 159.863 | 159.756 | 438.927 | 0 | 438.927 | 492.214 | 492.214 |
| 26 | 0.94308 | 468.022 | 19.2467 | Landslide Debris | 0 | 20 | 160.368 | 160.261 | 440.315 | 0 | 440.315 | 496.307 | 496.307 |
| 27 | 0.94308 | 470.462 | 20.0625 | Landslide Debris | 0 | 20 | 160.373 | 160.266 | 440.327 | 0 | 440.327 | 498.896 | 498.896 |
| 28 | 0.94308 | 471.463 | 20.8826 | Landslide Debris | 0 | 20 | 159.877 | 159.77 | 438.964 | 0 | 438.964 | 499.96 | 499.96 |
| 29 | 0.94308 | 471.001 | 21.7072 | Landslide Debris | 0 | 20 | 158.878 | 158.772 | 436.223 | 0 | 436.223 | 499.471 | 499.471 |
| 30 | 0.94308 | 469.052 | 22.5366 | Landslide Debris | 0 | 20 | 157.377 | 157.272 | 432.1 | 0 | 432.1 | 497.406 | 497.406 |
| 31 | 0.94308 | 465.59 | 23.371 | Landslide Debris | 0 | 20 | 155.371 | 155.267 | 426.593 | 0 | 426.593 | 493.735 | 493.735 |
| 32 | 0.94308 | 460.585 | 24.2107 | Landslide Debris | 0 | 20 | 152.859 | 152.757 | 419.697 | 0 | 419.697 | 488.429 | 488.429 |
| 33 | 0.94308 | 454.007 | 25.0559 | Landslide Debris | 0 | 20 | 149.84 | 149.74 | 411.407 | 0 | 411.407 | 481.457 | 481.457 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 0.94308 | 445.825 | 25.907 | Landslide Debris | 0 | 20 | 146.31 | 146.212 | 401.714 | 0 | 401.714 | 472.781 | 472.781 |
| 35 | 0.94308 | 436.004 | 26.7643 | Landslide Debris | 0 | 20 | 142.267 | 142.172 | 390.615 | 0 | 390.615 | 462.368 | 462.368 |
| 36 | 0.94308 | 423.288 | 27.6281 | Landslide Debris | 0 | 20 | 137.313 | 137.221 | 377.012 | 0 | 377.012 | 448.884 | 448.884 |
| 37 | 0.94308 | 407.632 | 28.4988 | Landslide Debris | 0 | 20 | 131.45 | 131.362 | 360.915 | 0 | 360.915 | 432.283 | 432.283 |
| 38 | 0.94308 | 390.219 | 29.3768 | Landslide Debris | 0 | 20 | 125.075 | 124.991 | 343.408 | 0 | 343.408 | 413.818 | 413.818 |
| 39 | 0.94308 | 371.002 | 30.2624 | Landslide Debris | 0 | 20 | 118.182 | 118.103 | 324.485 | 0 | 324.485 | 393.441 | 393.441 |
| 40 | 0.94308 | 349.934 | 31.156 | Landslide Debris | 0 | 20 | 110.769 | 110.695 | 304.132 | 0 | 304.132 | 371.1 | 371.1 |
| 41 | 0.94308 | 326.962 | 32.0582 | Landslide Debris | 0 | 20 | 102.832 | 102.763 | 282.338 | 0 | 282.338 | 346.74 | 346.74 |
| 42 | 0.94308 | 302.031 | 32.9693 | Landslide Debris | 0 | 20 | 94.3648 | 94.3016 | 259.091 | 0 | 259.091 | 320.301 | 320.301 |
| 43 | 0.94308 | 275.078 | 33.8899 | Landslide Debris | 0 | 20 | 85.3641 | 85.3069 | 234.378 | 0 | 234.378 | 291.719 | 291.719 |
| 44 | 0.94308 | 246.04 | 34.8206 | Landslide Debris | 0 | 20 | 75.8242 | 75.7734 | 208.186 | 0 | 208.186 | 260.926 | 260.926 |
| 45 | 0.94308 | 214.845 | 35.762 | Landslide Debris | 0 | 20 | 65.7397 | 65.6957 | 180.497 | 0 | 180.497 | 227.844 | 227.844 |
| 46 | 0.94308 | 181.417 | 36.7146 | Landslide Debris | 0 | 20 | 55.105 | 55.0681 | 151.299 | 0 | 151.299 | 192.394 | 192.394 |
| 47 | 0.94308 | 145.672 | 37.6792 | Landslide Debris | 0 | 20 | 43.9141 | 43.8847 | 120.572 | 0 | 120.572 | 154.488 | 154.488 |
| 48 | 0.94308 | 107.52 | 38.6565 | Landslide Debris | 0 | 20 | 32.1607 | 32.1392 | 88.3019 | 0 | 88.3019 | 114.027 | 114.027 |
| 49 | 0.94308 | 66.8624 | 39.6473 | Landslide Debris | 0 | 20 | 19.8386 | 19.8253 | 54.4694 | 0 | 54.4694 | 70.9089 | 70.9089 |
| 50 | 0.94308 | 23.491 | 40.6525 | Landslide Debris | 0 | 20 | 6.91189 | 6.90726 | 18.9776 | 0 | 18.9776 | 24.9128 | 24.9128 |

## Cross Section H-H' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 0.582828

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.28996 | 19.9535 | 5.34196 | Landslide Debris | 0 | 20 | 9.12921 | 5.32076 | 14.6187 | 0 | 14.6187 | 15.4723 | 15.4723 |
| 2 | 1.28996 | 59.0811 | 5.87366 | Landslide Debris | 0 | 20 | 26.8831 | 15.6682 | 43.0479 | 0 | 43.0479 | 45.8135 | 45.8135 |
| 3 | 1.28996 | 96.6473 | 6.40587 | Landslide Debris | 0 | 20 | 43.7362 | 25.4907 | 70.0352 | 0 | 70.0352 | 74.9455 | 74.9455 |
| 4 | 1.28996 | 132.648 | 6.93863 | Landslide Debris | 0 | 20 | 59.7006 | 34.7952 | 95.5994 | 0 | 95.5994 | 102.865 | 102.865 |
| 5 | 1.28996 | 167.077 | 7.472 | Landslide Debris | 0 | 20 | 74.7874 | 43.5882 | 119.757 | 0 | 119.757 | 129.566 | 129.566 |
| 6 | 1.28996 | 199.929 | 8.00602 | Landslide Debris | 0 | 20 | 89.0072 | 51.8759 | 142.528 | 0 | 142.528 | 155.047 | 155.047 |
| 7 | 1.28996 | 231.199 | 8.54074 | Landslide Debris | 0 | 20 | 102.371 | 59.6645 | 163.927 | 0 | 163.927 | 179.301 | 179.301 |
| 8 | 1.28996 | 260.879 | 9.07621 | Landslide Debris | 0 | 20 | 114.888 | 66.9598 | 183.97 | 0 | 183.97 | 202.323 | 202.323 |
| 9 | 1.28996 | 288.964 | 9.61249 | Landslide Debris | 0 | 20 | 126.568 | 73.7672 | 202.674 | 0 | 202.674 | 224.11 | 224.11 |
| 10 | 1.28996 | 315.445 | 10.1496 | Landslide Debris | 0 | 20 | 137.42 | 80.0923 | 220.052 | 0 | 220.052 | 244.653 | 244.653 |
| 11 | 1.28996 | 340.315 | 10.6876 | Landslide Debris | 0 | 20 | 147.454 | 85.9401 | 236.119 | 0 | 236.119 | 263.947 | 263.947 |
| 12 | 1.28996 | 364.182 | 11.2266 | Landslide Debris | 0 | 20 | 156.943 | 91.4707 | 251.314 | 0 | 251.314 | 282.465 | 282.465 |
| 13 | 1.28996 | 392.699 | 11.7666 | Landslide Debris | 0 | 20 | 168.318 | 98.1005 | 269.529 | 0 | 269.529 | 304.59 | 304.59 |
| 14 | 1.28996 | 421.216 | 12.3077 | Landslide Debris | 0 | 20 | 179.566 | 104.656 | 287.539 | 0 | 287.539 | 326.716 | 326.716 |
| 15 | 1.28996 | 448.085 | 12.8498 | Landslide Debris | 0 | 20 | 189.986 | 110.729 | 304.227 | 0 | 304.227 | 347.564 | 347.564 |
| 16 | 1.28996 | 473.296 | 13.3932 | Landslide Debris | 0 | 20 | 199.589 | 116.326 | 319.604 | 0 | 319.604 | 367.127 | 367.127 |
| 17 | 1.28996 | 496.837 | 13.9377 | Landslide Debris | 0 | 20 | 208.381 | 121.45 | 333.681 | 0 | 333.681 | 385.396 | 385.396 |
| 18 | 1.28996 | 518.697 | 14.4836 | Landslide Debris | 0 | 20 | 216.367 | 126.105 | 346.472 | 0 | 346.472 | 402.362 | 402.362 |
| 19 | 1.28996 | 538.864 | 15.0308 | Landslide Debris | 0 | 20 | 223.558 | 130.296 | 357.984 | 0 | 357.984 | 418.015 | 418.015 |
| 20 | 1.28996 | 557.325 | 15.5794 | Landslide Debris | 0 | 20 | 229.956 | 134.025 | 368.229 | 0 | 368.229 | 432.345 | 432.345 |
| 21 | 1.28996 | 574.066 | 16.1295 | Landslide Debris | 0 | 20 | 235.569 | 137.296 | 377.217 | 0 | 377.217 | 445.342 | 445.342 |
| 22 | 1.28996 | 589.074 | 16.6811 | Landslide Debris | 0 | 20 | 240.402 | 140.113 | 384.956 | 0 | 384.956 | 456.994 | 456.994 |
| 23 | 1.28996 | 602.333 | 17.2343 | Landslide Debris | 0 | 20 | 244.461 | 142.479 | 391.457 | 0 | 391.457 | 467.291 | 467.291 |
| 24 | 1.28996 | 613.829 | 17.7892 | Landslide Debris | 0 | 20 | 247.751 | 144.396 | 396.726 | 0 | 396.726 | 476.218 | 476.218 |
| 25 | 1.28996 | 623.544 | 18.3458 | Landslide Debris | 0 | 20 | 250.278 | 145.869 | 400.773 | 0 | 400.773 | 483.766 | 483.766 |
| 26 | 1.28996 | 631.461 | 18.9042 | Landslide Debris | 0 | 20 | 252.047 | 146.9 | 403.604 | 0 | 403.604 | 489.919 | 489.919 |
| 27 | 1.28996 | 637.564 | 19.4645 | Landslide Debris | 0 | 20 | 253.061 | 147.491 | 405.228 | 0 | 405.228 | 494.665 | 494.665 |
| 28 | 1.28996 | 641.833 | 20.0267 | Landslide Debris | 0 | 20 | 253.325 | 147.645 | 405.651 | 0 | 405.651 | 497.988 | 497.988 |
| 29 | 1.28996 | 644.249 | 20.5909 | Landslide Debris | 0 | 20 | 252.845 | 147.365 | 404.881 | 0 | 404.881 | 499.873 | 499.873 |
| 30 | 1.28996 | 644.792 | 21.1573 | Landslide Debris | 0 | 20 | 251.621 | 146.652 | 402.923 | 0 | 402.923 | 500.305 | 500.305 |
| 31 | 1.28996 | 643.439 | 21.7258 | Landslide Debris | 0 | 20 | 249.66 | 145.509 | 399.784 | 0 | 399.784 | 499.266 | 499.266 |
| 32 | 1.28996 | 640.054 | 22.2965 | Landslide Debris | 0 | 20 | 246.922 | 143.913 | 395.397 | 0 | 395.397 | 496.65 | 496.65 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 1.28996 | 631.647 | 22.8696 | Landslide Debris | 0 | 20 | 242.27 | 141.202 | 387.949 | 0 | 387.949 | 490.137 | 490.137 |
| 34 | 1.28996 | 619.901 | 23.4452 | Landslide Debris | 0 | 20 | 236.382 | 137.77 | 378.52 | 0 | 378.52 | 481.032 | 481.032 |
| 35 | 1.28996 | 606.164 | 24.0232 | Landslide Debris | 0 | 20 | 229.788 | 133.927 | 367.963 | 0 | 367.963 | 470.383 | 470.383 |
| 36 | 1.28996 | 590.411 | 24.6039 | Landslide Debris | 0 | 20 | 222.496 | 129.677 | 356.284 | 0 | 356.284 | 458.169 | 458.169 |
| 37 | 1.28996 | 572.612 | 25.1872 | Landslide Debris | 0 | 20 | 214.504 | 125.019 | 343.487 | 0 | 343.487 | 444.366 | 444.366 |
| 38 | 1.28996 | 552.74 | 25.7734 | Landslide Debris | 0 | 20 | 205.817 | 119.956 | 329.576 | 0 | 329.576 | 428.954 | 428.954 |
| 39 | 1.28996 | 530.762 | 26.3625 | Landslide Debris | 0 | 20 | 196.437 | 114.489 | 314.555 | 0 | 314.555 | 411.907 | 411.907 |
| 40 | 1.28996 | 506.649 | 26.9546 | Landslide Debris | 0 | 20 | 186.365 | 108.619 | 298.429 | 0 | 298.429 | 393.201 | 393.201 |
| 41 | 1.28996 | 480.365 | 27.5498 | Landslide Debris | 0 | 20 | 175.608 | 102.349 | 281.201 | 0 | 281.201 | 372.811 | 372.811 |
| 42 | 1.28996 | 451.875 | 28.1483 | Landslide Debris | 0 | 20 | 164.163 | 95.6788 | 262.875 | 0 | 262.875 | 350.708 | 350.708 |
| 43 | 1.28996 | 420.064 | 28.7502 | Landslide Debris | 0 | 20 | 151.645 | 88.3829 | 242.83 | 0 | 242.83 | 326.026 | 326.026 |
| 44 | 1.28996 | 374.5 | 29.3555 | Landslide Debris | 0 | 20 | 134.335 | 78.2944 | 215.112 | 0 | 215.112 | 290.669 | 290.669 |
| 45 | 1.28996 | 323.528 | 29.9644 | Landslide Debris | 0 | 20 | 115.304 | 67.2022 | 184.636 | 0 | 184.636 | 251.111 | 251.111 |
| 46 | 1.28996 | 270.191 | 30.5771 | Landslide Debris | 0 | 20 | 95.6672 | 55.7575 | 153.193 | 0 | 153.193 | 209.718 | 209.718 |
| 47 | 1.28996 | 214.446 | 31.1937 | Landslide Debris | 0 | 20 | 75.4283 | 43.9617 | 120.784 | 0 | 120.784 | 166.454 | 166.454 |
| 48 | 1.28996 | 156.245 | 31.8144 | Landslide Debris | 0 | 20 | 54.5897 | 31.8164 | 87.4149 | 0 | 87.4149 | 121.281 | 121.281 |
| 49 | 1.28996 | 95.5398 | 32.4392 | Landslide Debris | 0 | 20 | 33.1539 | 19.323 | 53.0896 | 0 | 53.0896 | 74.1616 | 74.1616 |
| 50 | 1.28996 | 32.2772 | 33.0684 | Landslide Debris | 0 | 20 | 11.1238 | 6.48325 | 17.8126 | 0 | 17.8126 | 25.0554 | 25.0554 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.568844

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.942257 | 15.0744 | -0.357351 | Landslide Debris | 0 | 20 | 10.2773 | 5.84616 | 16.0622 | 0 | 16.0622 | 15.9981 | 15.9981 |
| 2 | 0.942257 | 44.6274 | 0.411391 | Landslide Debris | 0 | 20 | 30.1659 | 17.1597 | 47.1458 | 0 | 47.1458 | 47.3624 | 47.3624 |
| 3 | 0.942257 | 72.9891 | 1.18021 | Landslide Debris | 0 | 20 | 48.9189 | 27.8272 | 76.4547 | 0 | 76.4547 | 77.4625 | 77.4625 |
| 4 | 0.942257 | 100.159 | 1.94924 | Landslide Debris | 0 | 20 | 66.5643 | 37.8647 | 104.032 | 0 | 104.032 | 106.298 | 106.298 |
| 5 | 0.942257 | 126.135 | 2.71862 | Landslide Debris | 0 | 20 | 83.1279 | 47.2868 | 129.919 | 0 | 129.919 | 133.866 | 133.866 |
| 6 | 0.942257 | 150.916 | 3.48849 | Landslide Debris | 0 | 20 | 98.6344 | 56.1076 | 154.155 | 0 | 154.155 | 160.168 | 160.168 |
| 7 | 0.942257 | 174.5 | 4.25899 | Landslide Debris | 0 | 20 | 113.108 | 64.3409 | 176.775 | 0 | 176.775 | 185.198 | 185.198 |
| 8 | 0.942257 | 199.277 | 5.03027 | Landslide Debris | 0 | 20 | 128.108 | 72.8737 | 200.219 | 0 | 200.219 | 211.495 | 211.495 |
| 9 | 0.942257 | 225.006 | 5.80246 | Landslide Debris | 0 | 20 | 143.468 | 81.6108 | 224.224 | 0 | 224.224 | 238.803 | 238.803 |
| 10 | 0.942257 | 249.526 | 6.57571 | Landslide Debris | 0 | 20 | 157.808 | 89.7682 | 246.637 | 0 | 246.637 | 264.828 | 264.828 |
| 11 | 0.942257 | 272.83 | 7.35016 | Landslide Debris | 0 | 20 | 171.148 | 97.3566 | 267.485 | 0 | 267.485 | 289.562 | 289.562 |
| 12 | 0.942257 | 294.913 | 8.12597 | Landslide Debris | 0 | 20 | 183.505 | 104.386 | 286.799 | 0 | 286.799 | 313 | 313 |
| 13 | 0.942257 | 315.769 | 8.90328 | Landslide Debris | 0 | 20 | 194.899 | 110.867 | 304.604 | 0 | 304.604 | 335.136 | 335.136 |
| 14 | 0.942257 | 335.388 | 9.68225 | Landslide Debris | 0 | 20 | 205.343 | 116.808 | 320.927 | 0 | 320.927 | 355.961 | 355.961 |
| 15 | 0.942257 | 353.764 | 10.463 | Landslide Debris | 0 | 20 | 214.852 | 122.217 | 335.788 | 0 | 335.788 | 375.465 | 375.465 |
| 16 | 0.942257 | 370.888 | 11.2458 | Landslide Debris | 0 | 20 | 223.441 | 127.103 | 349.213 | 0 | 349.213 | 393.641 | 393.641 |
| 17 | 0.942257 | 386.748 | 12.0307 | Landslide Debris | 0 | 20 | 231.123 | 131.473 | 361.22 | 0 | 361.22 | 410.476 | 410.476 |
| 18 | 0.942257 | 401.335 | 12.8178 | Landslide Debris | 0 | 20 | 237.912 | 135.335 | 371.83 | 0 | 371.83 | 425.96 | 425.96 |
| 19 | 0.942257 | 414.637 | 13.6075 | Landslide Debris | 0 | 20 | 243.819 | 138.695 | 381.06 | 0 | 381.06 | 440.08 | 440.08 |
| 20 | 0.942257 | 426.642 | 14.3998 | Landslide Debris | 0 | 20 | 248.852 | 141.558 | 388.928 | 0 | 388.928 | 452.822 | 452.822 |
| 21 | 0.942257 | 437.335 | 15.1949 | Landslide Debris | 0 | 20 | 253.027 | 143.933 | 395.452 | 0 | 395.452 | 464.174 | 464.174 |
| 22 | 0.942257 | 446.702 | 15.993 | Landslide Debris | 0 | 20 | 256.35 | 145.823 | 400.645 | 0 | 400.645 | 474.118 | 474.118 |
| 23 | 0.942257 | 454.729 | 16.7943 | Landslide Debris | 0 | 20 | 258.83 | 147.234 | 404.522 | 0 | 404.522 | 482.639 | 482.639 |
| 24 | 0.942257 | 461.398 | 17.5991 | Landslide Debris | 0 | 20 | 260.477 | 148.171 | 407.096 | 0 | 407.096 | 489.719 | 489.719 |
| 25 | 0.942257 | 466.69 | 18.4074 | Landslide Debris | 0 | 20 | 261.298 | 148.638 | 408.378 | 0 | 408.378 | 495.338 | 495.338 |
| 26 | 0.942257 | 470.589 | 19.2195 | Landslide Debris | 0 | 20 | 261.3 | 148.639 | 408.383 | 0 | 408.383 | 499.477 | 499.477 |
| 27 | 0.942257 | 473.072 | 20.0357 | Landslide Debris | 0 | 20 | 260.493 | 148.18 | 407.12 | 0 | 407.12 | 502.116 | 502.116 |
| 28 | 0.942257 | 474.118 | 20.8561 | Landslide Debris | 0 | 20 | 258.879 | 147.262 | 404.599 | 0 | 404.599 | 503.228 | 503.228 |
| 29 | 0.942257 | 473.704 | 21.6811 | Landslide Debris | 0 | 20 | 256.466 | 145.889 | 400.828 | 0 | 400.828 | 502.79 | 502.79 |
| 30 | 0.942257 | 471.806 | 22.5108 | Landslide Debris | 0 | 20 | 253.261 | 144.066 | 395.817 | 0 | 395.817 | 500.777 | 500.777 |
| 31 | 0.942257 | 468.396 | 23.3455 | Landslide Debris | 0 | 20 | 249.265 | 141.793 | 389.574 | 0 | 389.574 | 497.16 | 497.16 |
| 32 | 0.942257 | 463.446 | 24.1855 | Landslide Debris | 0 | 20 | 244.487 | 139.075 | 382.106 | 0 | 382.106 | 491.908 | 491.908 |
| 33 | 0.942257 | 456.927 | 25.031 | Landslide Debris | 0 | 20 | 238.928 | 135.913 | 373.419 | 0 | 373.419 | 484.991 | 484.991 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 0.942257 | 448.807 | 25.8824 | Landslide Debris | 0 | 20 | 232.595 | 132.31 | 363.519 | 0 | 363.519 | 476.373 | 476.373 |
| 35 | 0.942257 | 438.821 | 26.74 | Landslide Debris | 0 | 20 | 225.371 | 128.201 | 352.229 | 0 | 352.229 | 465.776 | 465.776 |
| 36 | 0.942257 | 425.344 | 27.6042 | Landslide Debris | 0 | 20 | 216.455 | 123.129 | 338.293 | 0 | 338.293 | 451.473 | 451.473 |
| 37 | 0.942257 | 409.763 | 28.4752 | Landslide Debris | 0 | 20 | 206.593 | 117.519 | 322.881 | 0 | 322.881 | 434.936 | 434.936 |
| 38 | 0.942257 | 392.427 | 29.3534 | Landslide Debris | 0 | 20 | 195.99 | 111.488 | 306.311 | 0 | 306.311 | 416.536 | 416.536 |
| 39 | 0.942257 | 373.292 | 30.2393 | Landslide Debris | 0 | 20 | 184.652 | 105.038 | 288.588 | 0 | 288.588 | 396.228 | 396.228 |
| 40 | 0.942257 | 352.309 | 31.1332 | Landslide Debris | 0 | 20 | 172.576 | 98.1686 | 269.716 | 0 | 269.716 | 373.957 | 373.957 |
| 41 | 0.942257 | 329.425 | 32.0357 | Landslide Debris | 0 | 20 | 159.767 | 90.8823 | 249.697 | 0 | 249.697 | 349.669 | 349.669 |
| 42 | 0.942257 | 304.586 | 32.9471 | Landslide Debris | 0 | 20 | 146.226 | 83.18 | 228.536 | 0 | 228.536 | 323.304 | 323.304 |
| 43 | 0.942257 | 277.73 | 33.868 | Landslide Debris | 0 | 20 | 131.957 | 75.063 | 206.234 | 0 | 206.234 | 294.799 | 294.799 |
| 44 | 0.942257 | 248.791 | 34.799 | Landslide Debris | 0 | 20 | 116.961 | 66.5324 | 182.797 | 0 | 182.797 | 264.083 | 264.083 |
| 45 | 0.942257 | 217.701 | 35.7406 | Landslide Debris | 0 | 20 | 101.239 | 57.5894 | 158.225 | 0 | 158.225 | 231.082 | 231.082 |
| 46 | 0.942257 | 184.381 | 36.6935 | Landslide Debris | 0 | 20 | 84.7957 | 48.2355 | 132.526 | 0 | 132.526 | 195.716 | 195.716 |
| 47 | 0.942257 | 148.75 | 37.6584 | Landslide Debris | 0 | 20 | 67.6321 | 38.4721 | 105.702 | 0 | 105.702 | 157.895 | 157.895 |
| 48 | 0.942257 | 110.716 | 38.636 | Landslide Debris | 0 | 20 | 49.7516 | 28.3009 | 77.756 | 0 | 77.756 | 117.523 | 117.523 |
| 49 | 0.942257 | 70.1816 | 39.6271 | Landslide Debris | 0 | 20 | 31.1578 | 17.7239 | 48.6961 | 0 | 48.6961 | 74.4968 | 74.4968 |
| 50 | 0.942257 | 25.6575 | 40.6326 | Landslide Debris | 0 | 20 | 11.2497 | 6.39931 | 17.582 | 0 | 17.582 | 27.2352 | 27.2352 |

# Cross Section I-I' - Master Scenario

## Global Minimum Query (bishop simplified) - Safety Factor: 1.31064

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.672268 | 12.3443 | 9.63525 | D-VD SAND | 0 | 38 | 9.94117 | 13.0293 | 16.6768 | 0 | 16.6768 | 18.3645 | 18.3645 |
| 2 | 0.672268 | 36.6521 | 10.4154 | D-VD SAND | 0 | 38 | 29.2945 | 38.3945 | 49.1426 | 0 | 49.1426 | 54.5273 | 54.5273 |
| 3 | 0.672268 | 60.1955 | 11.1976 | D-VD SAND | 0 | 38 | 47.7491 | 62.5819 | 80.1011 | 0 | 80.1011 | 89.5536 | 89.5536 |
| 4 | 0.672268 | 82.9684 | 11.9819 | D-VD SAND | 0 | 38 | 65.3172 | 85.6073 | 109.572 | 0 | 109.572 | 123.434 | 123.434 |
| 5 | 0.672268 | 104.964 | 12.7684 | D-VD SAND | 0 | 38 | 82.0096 | 107.485 | 137.575 | 0 | 137.575 | 156.16 | 156.16 |
| 6 | 0.672268 | 126.176 | 13.5574 | D-VD SAND | 0 | 38 | 97.8377 | 128.23 | 164.127 | 0 | 164.127 | 187.72 | 187.72 |
| 7 | 0.672268 | 146.597 | 14.3491 | D-VD SAND | 0 | 38 | 112.81 | 147.853 | 189.244 | 0 | 189.244 | 218.101 | 218.101 |
| 8 | 0.672268 | 166.217 | 15.1435 | D-VD SAND | 0 | 38 | 126.936 | 166.368 | 212.941 | 0 | 212.941 | 247.294 | 247.294 |
| 9 | 0.672268 | 185.029 | 15.9409 | D-VD SAND | 0 | 38 | 140.224 | 183.783 | 235.232 | 0 | 235.232 | 275.284 | 275.284 |
| 10 | 0.672268 | 203.022 | 16.7416 | D-VD SAND | 0 | 38 | 152.682 | 200.111 | 256.131 | 0 | 256.131 | 302.058 | 302.058 |
| 11 | 0.672268 | 220.188 | 17.5456 | D-VD SAND | 0 | 38 | 164.316 | 215.359 | 275.647 | 0 | 275.647 | 327.599 | 327.599 |
| 12 | 0.672268 | 238.311 | 18.3532 | D-VD SAND | 0 | 38 | 176.463 | 231.28 | 296.024 | 0 | 296.024 | 354.566 | 354.566 |
| 13 | 0.672268 | 258.582 | 19.1645 | D-VD SAND | 0 | 38 | 189.982 | 248.998 | 318.702 | 0 | 318.702 | 384.729 | 384.729 |
| 14 | 0.672268 | 278.037 | 19.9799 | D-VD SAND | 0 | 38 | 202.673 | 265.631 | 339.993 | 0 | 339.993 | 413.679 | 413.679 |
| 15 | 0.672268 | 296.616 | 20.7996 | D-VD SAND | 0 | 38 | 214.507 | 281.141 | 359.845 | 0 | 359.845 | 441.326 | 441.326 |
| 16 | 0.672268 | 314.304 | 21.6237 | D-VD SAND | 0 | 38 | 225.487 | 295.532 | 378.263 | 0 | 378.263 | 467.647 | 467.647 |
| 17 | 0.672268 | 331.087 | 22.4525 | D-VD SAND | 0 | 38 | 235.616 | 308.808 | 395.257 | 0 | 395.257 | 492.624 | 492.624 |
| 18 | 0.672268 | 346.949 | 23.2864 | D-VD SAND | 0 | 38 | 244.899 | 320.974 | 410.827 | 0 | 410.827 | 516.228 | 516.228 |
| 19 | 0.672268 | 361.872 | 24.1255 | D-VD SAND | 0 | 38 | 253.335 | 332.031 | 424.98 | 0 | 424.98 | 538.437 | 538.437 |
| 20 | 0.672268 | 375.838 | 24.9701 | D-VD SAND | 0 | 38 | 260.927 | 341.982 | 437.716 | 0 | 437.716 | 559.223 | 559.223 |
| 21 | 0.672268 | 388.828 | 25.8206 | D-VD SAND | 0 | 38 | 267.676 | 350.827 | 449.038 | 0 | 449.038 | 578.556 | 578.556 |
| 22 | 0.672268 | 400.333 | 26.6772 | D-VD SAND | 0 | 38 | 273.249 | 358.131 | 458.387 | 0 | 458.387 | 595.68 | 595.68 |
| 23 | 0.672268 | 407.199 | 27.5403 | D-VD SAND | 0 | 38 | 275.535 | 361.127 | 462.221 | 0 | 462.221 | 605.902 | 605.902 |
| 24 | 0.672268 | 412.286 | 28.4103 | D-VD SAND | 0 | 38 | 276.531 | 362.433 | 463.893 | 0 | 463.893 | 613.477 | 613.477 |
| 25 | 0.672268 | 416.305 | 29.2874 | D-VD SAND | 0 | 38 | 276.74 | 362.706 | 464.242 | 0 | 464.242 | 619.462 | 619.462 |
| 26 | 0.672268 | 419.227 | 30.1722 | D-VD SAND | 0 | 38 | 276.158 | 361.944 | 463.267 | 0 | 463.267 | 623.815 | 623.815 |
| 27 | 0.672268 | 421.023 | 31.0649 | D-VD SAND | 0 | 38 | 274.784 | 360.143 | 460.962 | 0 | 460.962 | 626.494 | 626.494 |
| 28 | 0.672268 | 421.661 | 31.9662 | D-VD SAND | 0 | 38 | 272.616 | 357.301 | 457.324 | 0 | 457.324 | 627.449 | 627.449 |
| 29 | 0.653929 | 409.644 | 32.8638 | D-VD SAND | 0 | 38 | 269.7 | 353.48 | 452.433 | 0 | 452.433 | 626.669 | 626.669 |
| 30 | 0.653929 | 407.991 | 33.7581 | D-VD SAND | 0 | 38 | 266.056 | 348.703 | 446.319 | 0 | 446.319 | 624.146 | 624.146 |
| 31 | 0.653929 | 405.173 | 34.6618 | D-VD SAND | 0 | 38 | 261.648 | 342.926 | 438.926 | 0 | 438.926 | 619.841 | 619.841 |
| 32 | 0.653929 | 401.152 | 35.5755 | D-VD SAND | 0 | 38 | 256.473 | 336.144 | 430.244 | 0 | 430.244 | 613.695 | 613.695 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 0.653929 | 395.886 | 36.4997 | D-VD SAND | 0 | 38 | 250.526 | 328.349 | 420.268 | 0 | 420.268 | 605.645 | 605.645 |
| 34 | 0.653929 | 389.69 | 37.4351 | D-VD SAND | 0 | 38 | 244.026 | 319.83 | 409.364 | 0 | 409.364 | 596.173 | 596.173 |
| 35 | 0.653929 | 385.544 | 38.3823 | D-VD SAND | 0 | 38 | 238.835 | 313.027 | 400.656 | 0 | 400.656 | 589.834 | 589.834 |
| 36 | 0.653929 | 380.842 | 39.3421 | D-VD SAND | 0 | 38 | 233.314 | 305.791 | 391.395 | 0 | 391.395 | 582.647 | 582.647 |
| 37 | 0.653929 | 374.693 | 40.3153 | D-VD SAND | 0 | 38 | 226.933 | 297.427 | 380.689 | 0 | 380.689 | 573.246 | 573.246 |
| 38 | 0.653929 | 367.033 | 41.3027 | D-VD SAND | 0 | 38 | 219.679 | 287.92 | 368.521 | 0 | 368.521 | 561.532 | 561.532 |
| 39 | 0.653929 | 357.793 | 42.3053 | D-VD SAND | 0 | 38 | 211.545 | 277.259 | 354.874 | 0 | 354.874 | 547.401 | 547.401 |
| 40 | 0.653929 | 346.897 | 43.3242 | D-VD SAND | 0 | 38 | 202.518 | 265.428 | 339.733 | 0 | 339.733 | 530.737 | 530.737 |
| 41 | 0.653929 | 334.26 | 44.3604 | D-VD SAND | 0 | 38 | 192.588 | 252.413 | 323.074 | 0 | 323.074 | 511.409 | 511.409 |
| 42 | 0.653929 | 319.791 | 45.4154 | D-VD SAND | 0 | 38 | 181.743 | 238.199 | 304.88 | 0 | 304.88 | 489.277 | 489.277 |
| 43 | 0.653929 | 303.384 | 46.4904 | D-VD SAND | 0 | 38 | 169.969 | 222.768 | 285.131 | 0 | 285.131 | 464.18 | 464.18 |
| 44 | 0.653929 | 284.923 | 47.5871 | D-VD SAND | 0 | 38 | 157.255 | 206.105 | 263.803 | 0 | 263.803 | 435.941 | 435.941 |
| 45 | 0.653929 | 259.898 | 48.7073 | D-VD SAND | 0 | 38 | 141.207 | 185.072 | 236.881 | 0 | 236.881 | 397.656 | 397.656 |
| 46 | 0.653929 | 219.466 | 49.8531 | D-VD SAND | 0 | 38 | 117.284 | 153.717 | 196.749 | 0 | 196.749 | 335.797 | 335.797 |
| 47 | 0.653929 | 175.659 | 51.0267 | D-VD SAND | 0 | 38 | 92.2473 | 120.903 | 154.749 | 0 | 154.749 | 268.774 | 268.774 |
| 48 | 0.653929 | 129.158 | 52.2308 | D-VD SAND | 0 | 38 | 66.5815 | 87.2644 | 111.694 | 0 | 111.694 | 197.625 | 197.625 |
| 49 | 0.653929 | 79.7359 | 53.4686 | D-VD SAND | 0 | 38 | 40.3005 | 52.8195 | 67.6058 | 0 | 67.6058 | 122.007 | 122.007 |
| 50 | 0.653929 | 27.1325 | 54.7437 | D-VD SAND | 0 | 38 | 13.4264 | 17.5972 | 22.5235 | 0 | 22.5235 | 41.5169 | 41.5169 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.25098

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.559996 | 9.75512 | 6.08156 | D-VD SAND | 0 | 38 | 10.2007 | 12.7609 | 16.3333 | 0 | 16.3333 | 17.4201 | 17.4201 |
| 2 | 0.559996 | 28.9651 | 6.98417 | D-VD SAND | 0 | 38 | 30.0078 | 37.5392 | 48.048 | 0 | 48.048 | 51.7241 | 51.7241 |
| 3 | 0.559996 | 47.5726 | 7.88853 | D-VD SAND | 0 | 38 | 48.8305 | 61.086 | 78.1865 | 0 | 78.1865 | 84.9524 | 84.9524 |
| 4 | 0.559996 | 65.5741 | 8.79487 | D-VD SAND | 0 | 38 | 66.6887 | 83.4262 | 106.781 | 0 | 106.781 | 117.098 | 117.098 |
| 5 | 0.559996 | 82.9652 | 9.70344 | D-VD SAND | 0 | 38 | 83.6001 | 104.582 | 133.859 | 0 | 133.859 | 148.155 | 148.155 |
| 6 | 0.559996 | 99.7413 | 10.6145 | D-VD SAND | 0 | 38 | 99.5827 | 124.576 | 159.45 | 0 | 159.45 | 178.113 | 178.113 |
| 7 | 0.559996 | 115.897 | 11.5282 | D-VD SAND | 0 | 38 | 114.652 | 143.427 | 183.577 | 0 | 183.577 | 206.962 | 206.962 |
| 8 | 0.559996 | 131.426 | 12.445 | D-VD SAND | 0 | 38 | 128.821 | 161.152 | 206.265 | 0 | 206.265 | 234.694 | 234.694 |
| 9 | 0.559996 | 146.323 | 13.365 | D-VD SAND | 0 | 38 | 142.105 | 177.77 | 227.534 | 0 | 227.534 | 261.296 | 261.296 |
| 10 | 0.559996 | 160.581 | 14.2885 | D-VD SAND | 0 | 38 | 154.514 | 193.294 | 247.404 | 0 | 247.404 | 286.756 | 286.756 |
| 11 | 0.559996 | 174.524 | 15.2158 | D-VD SAND | 0 | 38 | 166.379 | 208.137 | 266.404 | 0 | 266.404 | 311.658 | 311.658 |
| 12 | 0.559996 | 190.323 | 16.1472 | D-VD SAND | 0 | 38 | 179.757 | 224.873 | 287.824 | 0 | 287.824 | 339.869 | 339.869 |
| 13 | 0.559996 | 205.972 | 17.0831 | D-VD SAND | 0 | 38 | 192.726 | 241.096 | 308.588 | 0 | 308.588 | 367.816 | 367.816 |
| 14 | 0.559996 | 220.947 | 18.0236 | D-VD SAND | 0 | 38 | 204.799 | 256.2 | 327.922 | 0 | 327.922 | 394.559 | 394.559 |
| 15 | 0.559996 | 235.237 | 18.9692 | D-VD SAND | 0 | 38 | 215.987 | 270.196 | 345.836 | 0 | 345.836 | 420.077 | 420.077 |
| 16 | 0.559996 | 248.831 | 19.9203 | D-VD SAND | 0 | 38 | 226.297 | 283.093 | 362.342 | 0 | 362.342 | 444.351 | 444.351 |
| 17 | 0.559996 | 261.715 | 20.877 | D-VD SAND | 0 | 38 | 235.733 | 294.897 | 377.451 | 0 | 377.451 | 467.36 | 467.36 |
| 18 | 0.559996 | 273.877 | 21.8399 | D-VD SAND | 0 | 38 | 244.3 | 305.615 | 391.17 | 0 | 391.17 | 489.08 | 489.08 |
| 19 | 0.559996 | 285.303 | 22.8093 | D-VD SAND | 0 | 38 | 252.003 | 315.251 | 403.503 | 0 | 403.503 | 509.484 | 509.484 |
| 20 | 0.559996 | 295.976 | 23.7857 | D-VD SAND | 0 | 38 | 258.844 | 323.809 | 414.457 | 0 | 414.457 | 528.544 | 528.544 |
| 21 | 0.559996 | 305.881 | 24.7695 | D-VD SAND | 0 | 38 | 264.827 | 331.293 | 424.035 | 0 | 424.035 | 546.231 | 546.231 |
| 22 | 0.559996 | 314.998 | 25.7611 | D-VD SAND | 0 | 38 | 269.951 | 337.703 | 432.24 | 0 | 432.24 | 562.514 | 562.514 |
| 23 | 0.559996 | 323.309 | 26.7611 | D-VD SAND | 0 | 38 | 274.218 | 343.041 | 439.072 | 0 | 439.072 | 577.356 | 577.356 |
| 24 | 0.559996 | 329.29 | 27.77 | D-VD SAND | 0 | 38 | 276.365 | 345.727 | 442.511 | 0 | 442.511 | 588.037 | 588.037 |
| 25 | 0.559996 | 332.568 | 28.7883 | D-VD SAND | 0 | 38 | 276.142 | 345.448 | 442.153 | 0 | 442.153 | 593.89 | 593.89 |
| 26 | 0.559996 | 334.965 | 29.8167 | D-VD SAND | 0 | 38 | 275.113 | 344.161 | 440.507 | 0 | 440.507 | 598.172 | 598.172 |
| 27 | 0.559996 | 336.461 | 30.8557 | D-VD SAND | 0 | 38 | 273.282 | 341.87 | 437.573 | 0 | 437.573 | 600.843 | 600.843 |
| 28 | 0.559996 | 337.024 | 31.9062 | D-VD SAND | 0 | 38 | 270.643 | 338.569 | 433.349 | 0 | 433.349 | 601.85 | 601.85 |
| 29 | 0.559996 | 336.625 | 32.9688 | D-VD SAND | 0 | 38 | 267.194 | 334.254 | 427.826 | 0 | 427.826 | 601.136 | 601.136 |
| 30 | 0.559996 | 335.228 | 34.0443 | D-VD SAND | 0 | 38 | 262.929 | 328.919 | 420.998 | 0 | 420.998 | 598.642 | 598.642 |
| 31 | 0.562304 | 334.159 | 35.1359 | D-VD SAND | 0 | 38 | 257.831 | 322.542 | 412.836 | 0 | 412.836 | 594.284 | 594.284 |
| 32 | 0.562304 | 330.614 | 36.2447 | D-VD SAND | 0 | 38 | 251.891 | 315.11 | 403.323 | 0 | 403.323 | 587.981 | 587.981 |
| 33 | 0.562304 | 325.932 | 37.3694 | D-VD SAND | 0 | 38 | 245.108 | 306.625 | 392.462 | 0 | 392.462 | 579.654 | 579.654 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 0.562304 | 320.061 | 38.5113 | D-VD SAND | 0 | 38 | 237.475 | 297.077 | 380.241 | 0 | 380.241 | 569.214 | 569.214 |
| 35 | 0.562304 | 312.944 | 39.6715 | D-VD SAND | 0 | 38 | 228.984 | 286.454 | 366.644 | 0 | 366.644 | 556.558 | 556.558 |
| 36 | 0.562304 | 304.519 | 40.8516 | D-VD SAND | 0 | 38 | 219.622 | 274.743 | 351.654 | 0 | 351.654 | 541.573 | 541.573 |
| 37 | 0.562304 | 294.714 | 42.0532 | D-VD SAND | 0 | 38 | 209.381 | 261.931 | 335.257 | 0 | 335.257 | 524.136 | 524.136 |
| 38 | 0.562304 | 284.257 | 43.2779 | D-VD SAND | 0 | 38 | 198.812 | 248.71 | 318.334 | 0 | 318.334 | 505.54 | 505.54 |
| 39 | 0.562304 | 274.671 | 44.5278 | D-VD SAND | 0 | 38 | 188.984 | 236.415 | 302.597 | 0 | 302.597 | 488.492 | 488.492 |
| 40 | 0.562304 | 263.6 | 45.8052 | D-VD SAND | 0 | 38 | 178.273 | 223.016 | 285.447 | 0 | 285.447 | 468.802 | 468.802 |
| 41 | 0.562304 | 250.765 | 47.1125 | D-VD SAND | 0 | 38 | 166.547 | 208.347 | 266.672 | 0 | 266.672 | 445.976 | 445.976 |
| 42 | 0.562304 | 236.035 | 48.4529 | D-VD SAND | 0 | 38 | 153.788 | 192.386 | 246.242 | 0 | 246.242 | 419.781 | 419.781 |
| 43 | 0.562304 | 219.256 | 49.8297 | D-VD SAND | 0 | 38 | 139.976 | 175.107 | 224.127 | 0 | 224.127 | 389.941 | 389.941 |
| 44 | 0.562304 | 200.25 | 51.2468 | D-VD SAND | 0 | 38 | 125.092 | 156.488 | 200.296 | 0 | 200.296 | 356.14 | 356.14 |
| 45 | 0.562304 | 178.806 | 52.7092 | D-VD SAND | 0 | 38 | 109.117 | 136.503 | 174.717 | 0 | 174.717 | 318.001 | 318.001 |
| 46 | 0.562304 | 154.67 | 54.2224 | D-VD SAND | 0 | 38 | 92.0342 | 115.133 | 147.363 | 0 | 147.363 | 275.077 | 275.077 |
| 47 | 0.562304 | 127.538 | 55.7933 | D-VD SAND | 0 | 38 | 73.8292 | 92.3588 | 118.214 | 0 | 118.214 | 226.823 | 226.823 |
| 48 | 0.562304 | 97.0321 | 57.4305 | D-VD SAND | 0 | 38 | 54.4956 | 68.1729 | 87.2573 | 0 | 87.2573 | 172.57 | 172.57 |
| 49 | 0.562304 | 62.68 | 59.1447 | D-VD SAND | 0 | 38 | 34.038 | 42.5809 | 54.5011 | 0 | 54.5011 | 111.475 | 111.475 |
| 50 | 0.562304 | 23.4785 | 60.9497 | D-VD SAND | 0 | 38 | 12.2758 | 15.3568 | 19.6558 | 0 | 19.6558 | 41.7561 | 41.7561 |

## Cross Section I-I' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 0.838609

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.733318 | 12.2594 | 13.7686 | D-VD SAND | 0 | 38 | 12.6853 | 10.638 | 13.6159 | 0 | 13.6159 | 16.7244 | 16.7244 |
| 2 | 0.733318 | 36.4158 | 14.3742 | D-VD SAND | 0 | 38 | 37.3629 | 31.3329 | 40.1043 | 0 | 40.1043 | 49.6795 | 49.6795 |
| 3 | 0.733318 | 59.8444 | 14.9814 | D-VD SAND | 0 | 38 | 60.8832 | 51.0572 | 65.3503 | 0 | 65.3503 | 81.6427 | 81.6427 |
| 4 | 0.733318 | 82.539 | 15.5903 | D-VD SAND | 0 | 38 | 83.2637 | 69.8257 | 89.3729 | 0 | 89.3729 | 112.605 | 112.605 |
| 5 | 0.733318 | 104.493 | 16.2011 | D-VD SAND | 0 | 38 | 104.522 | 87.6527 | 112.19 | 0 | 112.19 | 142.559 | 142.559 |
| 6 | 0.733318 | 125.7 | 16.8137 | D-VD SAND | 0 | 38 | 124.673 | 104.552 | 133.82 | 0 | 133.82 | 171.494 | 171.494 |
| 7 | 0.733318 | 146.153 | 17.4284 | D-VD SAND | 0 | 38 | 143.733 | 120.536 | 154.279 | 0 | 154.279 | 199.4 | 199.4 |
| 8 | 0.733318 | 165.844 | 18.0451 | D-VD SAND | 0 | 38 | 161.718 | 135.618 | 173.582 | 0 | 173.582 | 226.268 | 226.268 |
| 9 | 0.733318 | 184.766 | 18.6639 | D-VD SAND | 0 | 38 | 178.64 | 149.809 | 191.746 | 0 | 191.746 | 252.087 | 252.087 |
| 10 | 0.733318 | 202.909 | 19.2851 | D-VD SAND | 0 | 38 | 194.514 | 163.121 | 208.785 | 0 | 208.785 | 276.846 | 276.846 |
| 11 | 0.733318 | 221.632 | 19.9086 | D-VD SAND | 0 | 38 | 210.649 | 176.652 | 226.104 | 0 | 226.104 | 302.394 | 302.394 |
| 12 | 0.733318 | 243.674 | 20.5346 | D-VD SAND | 0 | 38 | 229.618 | 192.56 | 246.466 | 0 | 246.466 | 332.475 | 332.475 |
| 13 | 0.733318 | 265.191 | 21.1631 | D-VD SAND | 0 | 38 | 247.747 | 207.763 | 265.925 | 0 | 265.925 | 361.837 | 361.837 |
| 14 | 0.733318 | 285.892 | 21.7944 | D-VD SAND | 0 | 38 | 264.784 | 222.05 | 284.211 | 0 | 284.211 | 390.087 | 390.087 |
| 15 | 0.733318 | 305.766 | 22.4284 | D-VD SAND | 0 | 38 | 280.738 | 235.429 | 301.336 | 0 | 301.336 | 417.21 | 417.21 |
| 16 | 0.733318 | 324.802 | 23.0653 | D-VD SAND | 0 | 38 | 295.62 | 247.91 | 317.31 | 0 | 317.31 | 443.192 | 443.192 |
| 17 | 0.733318 | 342.989 | 23.7053 | D-VD SAND | 0 | 38 | 309.441 | 259.5 | 332.144 | 0 | 332.144 | 468.014 | 468.014 |
| 18 | 0.733318 | 360.314 | 24.3484 | D-VD SAND | 0 | 38 | 322.209 | 270.207 | 345.85 | 0 | 345.85 | 491.66 | 491.66 |
| 19 | 0.733318 | 376.765 | 24.9948 | D-VD SAND | 0 | 38 | 333.934 | 280.04 | 358.435 | 0 | 358.435 | 514.114 | 514.114 |
| 20 | 0.733318 | 392.267 | 25.6447 | D-VD SAND | 0 | 38 | 344.572 | 288.961 | 369.854 | 0 | 369.854 | 535.275 | 535.275 |
| 21 | 0.733318 | 403.28 | 26.2981 | D-VD SAND | 0 | 38 | 351.061 | 294.403 | 376.819 | 0 | 376.819 | 550.309 | 550.309 |
| 22 | 0.733318 | 411.258 | 26.9551 | D-VD SAND | 0 | 38 | 354.764 | 297.508 | 380.793 | 0 | 380.793 | 561.204 | 561.204 |
| 23 | 0.733318 | 418.302 | 27.6161 | D-VD SAND | 0 | 38 | 357.543 | 299.839 | 383.777 | 0 | 383.777 | 570.824 | 570.824 |
| 24 | 0.733318 | 424.395 | 28.281 | D-VD SAND | 0 | 38 | 359.408 | 301.403 | 385.779 | 0 | 385.779 | 579.147 | 579.147 |
| 25 | 0.733318 | 429.519 | 28.9502 | D-VD SAND | 0 | 38 | 360.363 | 302.204 | 386.803 | 0 | 386.803 | 586.147 | 586.147 |
| 26 | 0.75287 | 445.261 | 29.6327 | D-VD SAND | 0 | 38 | 360.404 | 302.238 | 386.847 | 0 | 386.847 | 591.857 | 591.857 |
| 27 | 0.75287 | 448.53 | 30.3289 | D-VD SAND | 0 | 38 | 359.51 | 301.488 | 385.887 | 0 | 385.887 | 596.211 | 596.211 |
| 28 | 0.75287 | 450.686 | 31.0301 | D-VD SAND | 0 | 38 | 357.673 | 299.948 | 383.916 | 0 | 383.916 | 599.084 | 599.084 |
| 29 | 0.75287 | 451.704 | 31.7366 | D-VD SAND | 0 | 38 | 354.902 | 297.624 | 380.941 | 0 | 380.941 | 600.446 | 600.446 |
| 30 | 0.75287 | 451.558 | 32.4484 | D-VD SAND | 0 | 38 | 351.198 | 294.518 | 376.965 | 0 | 376.965 | 600.259 | 600.259 |
| 31 | 0.75287 | 450.666 | 33.1659 | D-VD SAND | 0 | 38 | 346.911 | 290.923 | 372.365 | 0 | 372.365 | 599.082 | 599.082 |
| 32 | 0.75287 | 453.026 | 33.8894 | D-VD SAND | 0 | 38 | 345.101 | 289.405 | 370.422 | 0 | 370.422 | 602.228 | 602.228 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 0.75287 | 455.289 | 34.619 | D-VD SAND | 0 | 38 | 343.165 | 287.781 | 368.343 | 0 | 368.343 | 605.244 | 605.244 |
| 34 | 0.75287 | 456.266 | 35.3551 | D-VD SAND | 0 | 38 | 340.213 | 285.306 | 365.176 | 0 | 365.176 | 606.552 | 606.552 |
| 35 | 0.75287 | 455.924 | 36.098 | D-VD SAND | 0 | 38 | 336.253 | 281.985 | 360.923 | 0 | 360.923 | 606.105 | 606.105 |
| 36 | 0.75287 | 454.224 | 36.8479 | D-VD SAND | 0 | 38 | 331.283 | 277.817 | 355.59 | 0 | 355.59 | 603.854 | 603.854 |
| 37 | 0.75287 | 451.126 | 37.6053 | D-VD SAND | 0 | 38 | 325.308 | 272.806 | 349.176 | 0 | 349.176 | 599.745 | 599.745 |
| 38 | 0.75287 | 446.588 | 38.3705 | D-VD SAND | 0 | 38 | 318.327 | 266.952 | 341.683 | 0 | 341.683 | 593.72 | 593.72 |
| 39 | 0.75287 | 440.564 | 39.1439 | D-VD SAND | 0 | 38 | 310.345 | 260.258 | 333.115 | 0 | 333.115 | 585.72 | 585.72 |
| 40 | 0.75287 | 432.916 | 39.9258 | D-VD SAND | 0 | 38 | 301.298 | 252.671 | 323.404 | 0 | 323.404 | 575.559 | 575.559 |
| 41 | 0.75287 | 409.631 | 40.7169 | D-VD SAND | 0 | 38 | 281.596 | 236.149 | 302.257 | 0 | 302.257 | 544.612 | 544.612 |
| 42 | 0.75287 | 374.547 | 41.5174 | D-VD SAND | 0 | 38 | 254.245 | 213.212 | 272.899 | 0 | 272.899 | 497.973 | 497.973 |
| 43 | 0.75287 | 337.756 | 42.3279 | D-VD SAND | 0 | 38 | 226.321 | 189.795 | 242.927 | 0 | 242.927 | 449.065 | 449.065 |
| 44 | 0.75287 | 299.193 | 43.1491 | D-VD SAND | 0 | 38 | 197.835 | 165.906 | 212.35 | 0 | 212.35 | 397.799 | 397.799 |
| 45 | 0.75287 | 258.785 | 43.9814 | D-VD SAND | 0 | 38 | 168.796 | 141.554 | 181.18 | 0 | 181.18 | 344.079 | 344.079 |
| 46 | 0.75287 | 216.454 | 44.8256 | D-VD SAND | 0 | 38 | 139.215 | 116.747 | 149.43 | 0 | 149.43 | 287.8 | 287.8 |
| 47 | 0.75287 | 172.115 | 45.6823 | D-VD SAND | 0 | 38 | 109.107 | 91.4985 | 117.113 | 0 | 117.113 | 228.85 | 228.85 |
| 48 | 0.75287 | 125.675 | 46.5523 | D-VD SAND | 0 | 38 | 78.4868 | 65.8197 | 84.2453 | 0 | 84.2453 | 167.105 | 167.105 |
| 49 | 0.75287 | 77.0315 | 47.4366 | D-VD SAND | 0 | 38 | 47.3706 | 39.7254 | 50.8462 | 0 | 50.8462 | 102.427 | 102.427 |
| 50 | 0.75287 | 26.0729 | 48.3359 | D-VD SAND | 0 | 38 | 15.7791 | 13.2325 | 16.9368 | 0 | 16.9368 | 34.6692 | 34.6692 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.790489

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.662901 | 11.8447 | 9.96855 | D-VD SAND | 0 | 38 | 15.0474 | 11.8948 | 15.2246 | 0 | 15.2246 | 17.8693 | 17.8693 |
| 2 | 0.662901 | 35.1635 | 10.7482 | D-VD SAND | 0 | 38 | 44.1486 | 34.899 | 44.6687 | 0 | 44.6687 | 53.0492 | 53.0492 |
| 3 | 0.662901 | 57.7378 | 11.5298 | D-VD SAND | 0 | 38 | 71.6467 | 56.6359 | 72.4907 | 0 | 72.4907 | 87.1062 | 87.1062 |
| 4 | 0.662901 | 79.5617 | 12.3137 | D-VD SAND | 0 | 38 | 97.5812 | 77.1369 | 98.7307 | 0 | 98.7307 | 120.031 | 120.031 |
| 5 | 0.662901 | 100.629 | 13.0998 | D-VD SAND | 0 | 38 | 121.99 | 96.4319 | 123.427 | 0 | 123.427 | 151.815 | 151.815 |
| 6 | 0.662901 | 120.931 | 13.8885 | D-VD SAND | 0 | 38 | 144.909 | 114.549 | 146.616 | 0 | 146.616 | 182.447 | 182.447 |
| 7 | 0.662901 | 140.463 | 14.6799 | D-VD SAND | 0 | 38 | 166.369 | 131.513 | 168.329 | 0 | 168.329 | 211.913 | 211.913 |
| 8 | 0.662901 | 159.214 | 15.4742 | D-VD SAND | 0 | 38 | 186.404 | 147.35 | 188.601 | 0 | 188.601 | 240.205 | 240.205 |
| 9 | 0.662901 | 177.177 | 16.2715 | D-VD SAND | 0 | 38 | 205.043 | 162.084 | 207.457 | 0 | 207.457 | 267.305 | 267.305 |
| 10 | 0.662901 | 194.342 | 17.0721 | D-VD SAND | 0 | 38 | 222.31 | 175.734 | 224.929 | 0 | 224.929 | 293.203 | 293.203 |
| 11 | 0.662901 | 210.698 | 17.8762 | D-VD SAND | 0 | 38 | 238.236 | 188.323 | 241.043 | 0 | 241.043 | 317.881 | 317.881 |
| 12 | 0.662901 | 227.064 | 18.6838 | D-VD SAND | 0 | 38 | 253.77 | 200.602 | 256.758 | 0 | 256.758 | 342.575 | 342.575 |
| 13 | 0.662901 | 246.09 | 19.4954 | D-VD SAND | 0 | 38 | 271.841 | 214.887 | 275.043 | 0 | 275.043 | 371.282 | 371.282 |
| 14 | 0.662901 | 264.663 | 20.3111 | D-VD SAND | 0 | 38 | 288.952 | 228.413 | 292.354 | 0 | 292.354 | 399.304 | 399.304 |
| 15 | 0.662901 | 282.38 | 21.131 | D-VD SAND | 0 | 38 | 304.689 | 240.853 | 308.277 | 0 | 308.277 | 426.036 | 426.036 |
| 16 | 0.662901 | 299.227 | 21.9556 | D-VD SAND | 0 | 38 | 319.072 | 252.223 | 322.83 | 0 | 322.83 | 451.456 | 451.456 |
| 17 | 0.662901 | 315.189 | 22.7849 | D-VD SAND | 0 | 38 | 332.12 | 262.537 | 336.032 | 0 | 336.032 | 475.539 | 475.539 |
| 18 | 0.662901 | 330.25 | 23.6193 | D-VD SAND | 0 | 38 | 343.852 | 271.811 | 347.902 | 0 | 347.902 | 498.265 | 498.265 |
| 19 | 0.662901 | 344.393 | 24.4591 | D-VD SAND | 0 | 38 | 354.283 | 280.057 | 358.456 | 0 | 358.456 | 519.607 | 519.607 |
| 20 | 0.662901 | 357.601 | 25.3045 | D-VD SAND | 0 | 38 | 363.428 | 287.286 | 367.708 | 0 | 367.708 | 539.535 | 539.535 |
| 21 | 0.662901 | 369.852 | 26.1559 | D-VD SAND | 0 | 38 | 371.301 | 293.509 | 375.675 | 0 | 375.675 | 558.022 | 558.022 |
| 22 | 0.662901 | 381.125 | 27.0135 | D-VD SAND | 0 | 38 | 377.913 | 298.736 | 382.365 | 0 | 382.365 | 575.033 | 575.033 |
| 23 | 0.662901 | 388.892 | 27.8777 | D-VD SAND | 0 | 38 | 380.823 | 301.036 | 385.31 | 0 | 385.31 | 586.755 | 586.755 |
| 24 | 0.662901 | 393.439 | 28.7488 | D-VD SAND | 0 | 38 | 380.433 | 300.728 | 384.914 | 0 | 384.914 | 593.617 | 593.617 |
| 25 | 0.662901 | 396.937 | 29.6273 | D-VD SAND | 0 | 38 | 378.931 | 299.541 | 383.395 | 0 | 383.395 | 598.897 | 598.897 |
| 26 | 0.662901 | 399.361 | 30.5136 | D-VD SAND | 0 | 38 | 376.329 | 297.484 | 380.762 | 0 | 380.762 | 602.557 | 602.557 |
| 27 | 0.662901 | 400.681 | 31.4079 | D-VD SAND | 0 | 38 | 372.634 | 294.563 | 377.024 | 0 | 377.024 | 604.551 | 604.551 |
| 28 | 0.662901 | 400.864 | 32.3109 | D-VD SAND | 0 | 38 | 367.852 | 290.783 | 372.186 | 0 | 372.186 | 604.831 | 604.831 |
| 29 | 0.637697 | 384.714 | 33.2055 | D-VD SAND | 0 | 38 | 362.124 | 286.255 | 366.39 | 0 | 366.39 | 603.407 | 603.407 |
| 30 | 0.637697 | 382.729 | 34.0918 | D-VD SAND | 0 | 38 | 355.495 | 281.015 | 359.683 | 0 | 359.683 | 600.297 | 600.297 |
| 31 | 0.637697 | 379.637 | 34.9874 | D-VD SAND | 0 | 38 | 347.878 | 274.994 | 351.976 | 0 | 351.976 | 595.45 | 595.45 |
| 32 | 0.637697 | 375.402 | 35.893 | D-VD SAND | 0 | 38 | 339.279 | 268.196 | 343.275 | 0 | 343.275 | 588.809 | 588.809 |
| 33 | 0.637697 | 369.984 | 36.8091 | D-VD SAND | 0 | 38 | 329.701 | 260.625 | 333.585 | 0 | 333.585 | 580.314 | 580.314 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 0.637697 | 363.342 | 37.7363 | D-VD SAND | 0 | 38 | 319.149 | 252.284 | 322.909 | 0 | 322.909 | 569.898 | 569.898 |
| 35 | 0.637697 | 356.579 | 38.6752 | D-VD SAND | 0 | 38 | 308.623 | 243.963 | 312.259 | 0 | 312.259 | 559.293 | 559.293 |
| 36 | 0.637697 | 351.539 | 39.6266 | D-VD SAND | 0 | 38 | 299.696 | 236.906 | 303.226 | 0 | 303.226 | 551.39 | 551.39 |
| 37 | 0.637697 | 345.285 | 40.5913 | D-VD SAND | 0 | 38 | 289.829 | 229.107 | 293.244 | 0 | 293.244 | 541.582 | 541.582 |
| 38 | 0.637697 | 337.595 | 41.5701 | D-VD SAND | 0 | 38 | 278.888 | 220.458 | 282.174 | 0 | 282.174 | 529.522 | 529.522 |
| 39 | 0.637697 | 328.403 | 42.564 | D-VD SAND | 0 | 38 | 266.872 | 210.959 | 270.015 | 0 | 270.015 | 515.107 | 515.107 |
| 40 | 0.637697 | 317.637 | 43.574 | D-VD SAND | 0 | 38 | 253.781 | 200.611 | 256.77 | 0 | 256.77 | 498.223 | 498.223 |
| 41 | 0.637697 | 305.217 | 44.6012 | D-VD SAND | 0 | 38 | 239.616 | 189.414 | 242.439 | 0 | 242.439 | 478.743 | 478.743 |
| 42 | 0.637697 | 291.054 | 45.647 | D-VD SAND | 0 | 38 | 224.381 | 177.371 | 227.024 | 0 | 227.024 | 456.531 | 456.531 |
| 43 | 0.637697 | 275.05 | 46.7126 | D-VD SAND | 0 | 38 | 208.076 | 164.482 | 210.527 | 0 | 210.527 | 431.43 | 431.43 |
| 44 | 0.637697 | 257.095 | 47.7997 | D-VD SAND | 0 | 38 | 190.705 | 150.75 | 192.951 | 0 | 192.951 | 403.267 | 403.267 |
| 45 | 0.637697 | 237.063 | 48.9101 | D-VD SAND | 0 | 38 | 172.271 | 136.178 | 174.3 | 0 | 174.3 | 371.848 | 371.848 |
| 46 | 0.637697 | 209.913 | 50.0458 | D-VD SAND | 0 | 38 | 149.295 | 118.016 | 151.053 | 0 | 151.053 | 329.265 | 329.265 |
| 47 | 0.637697 | 168.404 | 51.209 | D-VD SAND | 0 | 38 | 117.094 | 92.5616 | 118.474 | 0 | 118.474 | 264.157 | 264.157 |
| 48 | 0.637697 | 123.79 | 52.4025 | D-VD SAND | 0 | 38 | 84.0434 | 66.4354 | 85.0334 | 0 | 85.0334 | 194.176 | 194.176 |
| 49 | 0.637697 | 76.4021 | 53.6291 | D-VD SAND | 0 | 38 | 50.576 | 39.9798 | 51.1718 | 0 | 51.1718 | 119.844 | 119.844 |
| 50 | 0.637697 | 25.9932 | 54.8925 | D-VD SAND | 0 | 38 | 16.7499 | 13.2406 | 16.9472 | 0 | 16.9472 | 40.7733 | 40.7733 |

# Interslice Data

## Cross Section A-A' - Master Scenario

### Global Minimum Query (bishop simplified) - Safety Factor: 2.0461

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 357.917 | 284.256 | 0 | 0 | 0 |
| 2 | 358.56 | 284.125 | 5.76884 | 0 | 0 |
| 3 | 359.204 | 284.009 | 24.5575 | 0 | 0 |
| 4 | 359.848 | 283.906 | 54.5369 | 0 | 0 |
| 5 | 360.491 | 283.818 | 94.0109 | 0 | 0 |
| 6 | 361.135 | 283.743 | 141.406 | 0 | 0 |
| 7 | 361.779 | 283.681 | 195.261 | 0 | 0 |
| 8 | 362.423 | 283.633 | 254.221 | 0 | 0 |
| 9 | 363.066 | 283.598 | 317.029 | 0 | 0 |
| 10 | 363.71 | 283.577 | 382.519 | 0 | 0 |
| 11 | 364.354 | 283.569 | 449.611 | 0 | 0 |
| 12 | 364.997 | 283.575 | 517.309 | 0 | 0 |
| 13 | 365.641 | 283.594 | 584.693 | 0 | 0 |
| 14 | 366.285 | 283.626 | 650.918 | 0 | 0 |
| 15 | 366.928 | 283.671 | 715.21 | 0 | 0 |
| 16 | 367.572 | 283.73 | 776.865 | 0 | 0 |
| 17 | 368.216 | 283.803 | 835.245 | 0 | 0 |
| 18 | 368.86 | 283.889 | 889.779 | 0 | 0 |
| 19 | 369.503 | 283.989 | 939.961 | 0 | 0 |
| 20 | 370.147 | 284.103 | 985.349 | 0 | 0 |
| 21 | 370.791 | 284.231 | 1025.57 | 0 | 0 |
| 22 | 371.434 | 284.374 | 1060.3 | 0 | 0 |
| 23 | 372.078 | 284.53 | 1089.31 | 0 | 0 |
| 24 | 372.722 | 284.702 | 1112.4 | 0 | 0 |
| 25 | 373.365 | 284.888 | 1129.49 | 0 | 0 |
| 26 | 374.009 | 285.089 | 1140.51 | 0 | 0 |
| 27 | 374.653 | 285.306 | 1145.65 | 0 | 0 |
| 28 | 375.297 | 285.539 | 1144.92 | 0 | 0 |
| 29 | 375.94 | 285.788 | 1138.27 | 0 | 0 |
| 30 | 376.584 | 286.054 | 1125.74 | 0 | 0 |
| 31 | 377.247 | 286.345 | 1104.95 | 0 | 0 |
| 32 | 377.91 | 286.656 | 1074.36 | 0 | 0 |
| 33 | 378.573 | 286.985 | 1033.91 | 0 | 0 |
| 34 | 379.236 | 287.335 | 983.662 | 0 | 0 |
| 35 | 379.899 | 287.706 | 923.747 | 0 | 0 |
| 36 | 380.562 | 288.098 | 854.424 | 0 | 0 |
| 37 | 381.225 | 288.513 | 776.072 | 0 | 0 |
| 38 | 381.888 | 288.952 | 689.204 | 0 | 0 |
| 39 | 382.551 | 289.416 | 594.491 | 0 | 0 |
| 40 | 383.213 | 289.906 | 492.778 | 0 | 0 |
| 41 | 383.876 | 290.425 | 385.111 | 0 | 0 |
| 42 | 384.539 | 290.973 | 272.701 | 0 | 0 |
| 43 | 385.202 | 291.554 | 156.563 | 0 | 0 |
| 44 | 385.865 | 292.169 | 38.3611 | 0 | 0 |
| 45 | 386.528 | 292.821 | -79.7571 | 0 | 0 |
| 46 | 387.191 | 293.515 | -195.087 | 0 | 0 |
| 47 | 387.854 | 294.253 | -301.406 | 0 | 0 |
| 48 | 388.517 | 295.042 | -392.708 | 0 | 0 |
| 49 | 389.003 | 295.655 | -383.732 | 0 | 0 |
| 50 | 389.488 | 296.302 | -355.944 | 0 | 0 |
| 51 | 390.154 | 297.25 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.87283

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 357.917 | 284.256 | 0 | 0 | 0 |
| 2 | 358.562 | 283.959 | 15.6704 | 0 | 0 |
| 3 | 359.208 | 283.685 | 62.8857 | 0 | 0 |
| 4 | 359.853 | 283.433 | 136.448 | 0 | 0 |
| 5 | 360.499 | 283.204 | 231.787 | 0 | 0 |
| 6 | 361.144 | 282.995 | 344.86 | 0 | 0 |
| 7 | 361.789 | 282.807 | 472.073 | 0 | 0 |
| 8 | 362.435 | 282.64 | 610.211 | 0 | 0 |
| 9 | 363.08 | 282.491 | 756.392 | 0 | 0 |
| 10 | 363.726 | 282.362 | 908.019 | 0 | 0 |
| 11 | 364.371 | 282.252 | 1062.75 | 0 | 0 |
| 12 | 365.017 | 282.16 | 1218.45 | 0 | 0 |
| 13 | 365.662 | 282.086 | 1373.21 | 0 | 0 |
| 14 | 366.308 | 282.031 | 1525.28 | 0 | 0 |
| 15 | 366.953 | 281.994 | 1673.05 | 0 | 0 |
| 16 | 367.599 | 281.975 | 1815.11 | 0 | 0 |
| 17 | 368.244 | 281.974 | 1950.12 | 0 | 0 |
| 18 | 368.889 | 281.99 | 2076.92 | 0 | 0 |
| 19 | 369.535 | 282.025 | 2194.43 | 0 | 0 |
| 20 | 370.18 | 282.078 | 2301.69 | 0 | 0 |
| 21 | 370.826 | 282.148 | 2397.85 | 0 | 0 |
| 22 | 371.471 | 282.238 | 2482.16 | 0 | 0 |
| 23 | 372.117 | 282.345 | 2553.96 | 0 | 0 |
| 24 | 372.762 | 282.472 | 2612.68 | 0 | 0 |
| 25 | 373.408 | 282.617 | 2657.88 | 0 | 0 |
| 26 | 374.053 | 282.783 | 2689.19 | 0 | 0 |
| 27 | 374.699 | 282.968 | 2706.76 | 0 | 0 |
| 28 | 375.344 | 283.173 | 2710.44 | 0 | 0 |
| 29 | 375.989 | 283.4 | 2699.84 | 0 | 0 |
| 30 | 376.635 | 283.648 | 2674.7 | 0 | 0 |
| 31 | 377.28 | 283.919 | 2634.86 | 0 | 0 |
| 32 | 377.926 | 284.213 | 2580.32 | 0 | 0 |
| 33 | 378.571 | 284.531 | 2511.22 | 0 | 0 |
| 34 | 379.217 | 284.875 | 2427.89 | 0 | 0 |
| 35 | 379.862 | 285.245 | 2330.86 | 0 | 0 |
| 36 | 380.508 | 285.644 | 2220.87 | 0 | 0 |
| 37 | 381.153 | 286.072 | 2098.96 | 0 | 0 |
| 38 | 381.799 | 286.533 | 1966.5 | 0 | 0 |
| 39 | 382.442 | 287.027 | 1821.3 | 0 | 0 |
| 40 | 383.086 | 287.558 | 1660 | 0 | 0 |
| 41 | 383.729 | 288.13 | 1483.79 | 0 | 0 |
| 42 | 384.373 | 288.747 | 1294.26 | 0 | 0 |
| 43 | 385.017 | 289.414 | 1093.01 | 0 | 0 |
| 44 | 385.66 | 290.137 | 882.391 | 0 | 0 |
| 45 | 386.304 | 290.927 | 665.887 | 0 | 0 |
| 46 | 386.947 | 291.793 | 448.178 | 0 | 0 |
| 47 | 387.591 | 292.752 | 237.623 | 0 | 0 |
| 48 | 388.235 | 293.828 | 47.7965 | 0 | 0 |
| 49 | 388.878 | 295.057 | -105.931 | 0 | 0 |
| 50 | 389.438 | 296.3 | -50.7052 | 0 | 0 |
| 51 | 389.761 | 297.119 | 0 | 0 | 0 |

## Cross Section A-A' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 1.22156

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 358.432 | 284.44 | 0 | 0 | 0 |
| 2 | 358.616 | 284.401 | 0.860603 | 0 | 0 |
| 3 | 359.261 | 284.276 | 13.7713 | 0 | 0 |
| 4 | 359.906 | 284.166 | 38.9188 | 0 | 0 |
| 5 | 360.551 | 284.07 | 74.1845 | 0 | 0 |
| 6 | 361.197 | 283.988 | 117.644 | 0 | 0 |
| 7 | 361.842 | 283.92 | 167.55 | 0 | 0 |
| 8 | 362.487 | 283.866 | 222.315 | 0 | 0 |
| 9 | 363.132 | 283.826 | 280.495 | 0 | 0 |
| 10 | 363.778 | 283.8 | 340.786 | 0 | 0 |
| 11 | 364.423 | 283.787 | 402.003 | 0 | 0 |
| 12 | 365.068 | 283.789 | 463.08 | 0 | 0 |
| 13 | 365.713 | 283.804 | 523.058 | 0 | 0 |
| 14 | 366.358 | 283.833 | 581.079 | 0 | 0 |
| 15 | 367.004 | 283.876 | 636.383 | 0 | 0 |
| 16 | 367.649 | 283.933 | 688.301 | 0 | 0 |
| 17 | 368.294 | 284.003 | 736.253 | 0 | 0 |
| 18 | 368.939 | 284.088 | 779.744 | 0 | 0 |
| 19 | 369.584 | 284.187 | 818.363 | 0 | 0 |
| 20 | 370.23 | 284.301 | 851.781 | 0 | 0 |
| 21 | 370.875 | 284.429 | 879.749 | 0 | 0 |
| 22 | 371.52 | 284.571 | 902.101 | 0 | 0 |
| 23 | 372.165 | 284.729 | 918.752 | 0 | 0 |
| 24 | 372.811 | 284.902 | 929.7 | 0 | 0 |
| 25 | 373.456 | 285.09 | 935.029 | 0 | 0 |
| 26 | 374.101 | 285.294 | 934.914 | 0 | 0 |
| 27 | 374.746 | 285.514 | 929.67 | 0 | 0 |
| 28 | 375.391 | 285.75 | 919.454 | 0 | 0 |
| 29 | 376.037 | 286.003 | 904.447 | 0 | 0 |
| 30 | 376.676 | 286.272 | 882.655 | 0 | 0 |
| 31 | 377.316 | 286.557 | 851.635 | 0 | 0 |
| 32 | 377.955 | 286.861 | 811.397 | 0 | 0 |
| 33 | 378.594 | 287.183 | 762.039 | 0 | 0 |
| 34 | 379.234 | 287.525 | 703.749 | 0 | 0 |
| 35 | 379.873 | 287.887 | 636.813 | 0 | 0 |
| 36 | 380.513 | 288.27 | 561.621 | 0 | 0 |
| 37 | 381.152 | 288.675 | 478.682 | 0 | 0 |
| 38 | 381.792 | 289.103 | 388.629 | 0 | 0 |
| 39 | 382.431 | 289.555 | 292.235 | 0 | 0 |
| 40 | 383.071 | 290.033 | 190.434 | 0 | 0 |
| 41 | 383.71 | 290.538 | 84.337 | 0 | 0 |
| 42 | 384.349 | 291.072 | -24.7476 | 0 | 0 |
| 43 | 384.989 | 291.637 | -135.713 | 0 | 0 |
| 44 | 385.628 | 292.235 | -247.04 | 0 | 0 |
| 45 | 386.268 | 292.87 | -356.667 | 0 | 0 |
| 46 | 386.907 | 293.544 | -462.141 | 0 | 0 |
| 47 | 387.547 | 294.262 | -559.293 | 0 | 0 |
| 48 | 388.186 | 295.029 | -641.37 | 0 | 0 |
| 49 | 388.668 | 295.642 | -604.023 | 0 | 0 |
| 50 | 389.149 | 296.29 | -547.151 | 0 | 0 |
| 51 | 389.718 | 297.104 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.09981

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 358.432 | 284.44 | 0 | 0 | 0 |
| 2 | 358.53 | 284.394 | 0.741477 | 0 | 0 |
| 3 | 359.16 | 284.109 | 29.9004 | 0 | 0 |
| 4 | 359.791 | 283.847 | 92.7975 | 0 | 0 |
| 5 | 360.421 | 283.608 | 182.556 | 0 | 0 |
| 6 | 361.052 | 283.389 | 293.384 | 0 | 0 |
| 7 | 361.683 | 283.192 | 420.357 | 0 | 0 |
| 8 | 362.313 | 283.014 | 559.251 | 0 | 0 |
| 9 | 362.944 | 282.856 | 706.42 | 0 | 0 |
| 10 | 363.575 | 282.717 | 858.695 | 0 | 0 |
| 11 | 364.205 | 282.597 | 1013.31 | 0 | 0 |
| 12 | 364.836 | 282.495 | 1167.86 | 0 | 0 |
| 13 | 365.467 | 282.412 | 1320.19 | 0 | 0 |
| 14 | 366.097 | 282.346 | 1468.46 | 0 | 0 |
| 15 | 366.728 | 282.299 | 1611 | 0 | 0 |
| 16 | 367.359 | 282.269 | 1746.39 | 0 | 0 |
| 17 | 367.989 | 282.257 | 1873.34 | 0 | 0 |
| 18 | 368.62 | 282.263 | 1990.75 | 0 | 0 |
| 19 | 369.251 | 282.286 | 2097.66 | 0 | 0 |
| 20 | 369.881 | 282.327 | 2193.25 | 0 | 0 |
| 21 | 370.512 | 282.386 | 2276.83 | 0 | 0 |
| 22 | 371.143 | 282.463 | 2347.81 | 0 | 0 |
| 23 | 371.773 | 282.558 | 2405.73 | 0 | 0 |
| 24 | 372.404 | 282.671 | 2450.26 | 0 | 0 |
| 25 | 373.035 | 282.804 | 2481.14 | 0 | 0 |
| 26 | 373.665 | 282.955 | 2498.27 | 0 | 0 |
| 27 | 374.296 | 283.125 | 2501.71 | 0 | 0 |
| 28 | 374.927 | 283.316 | 2491.97 | 0 | 0 |
| 29 | 375.557 | 283.526 | 2469.05 | 0 | 0 |
| 30 | 376.188 | 283.758 | 2432.91 | 0 | 0 |
| 31 | 376.819 | 284.012 | 2383.72 | 0 | 0 |
| 32 | 377.449 | 284.288 | 2321.75 | 0 | 0 |
| 33 | 378.08 | 284.588 | 2247.47 | 0 | 0 |
| 34 | 378.711 | 284.912 | 2161.53 | 0 | 0 |
| 35 | 379.341 | 285.262 | 2064.81 | 0 | 0 |
| 36 | 379.972 | 285.639 | 1958.42 | 0 | 0 |
| 37 | 380.603 | 286.045 | 1843.75 | 0 | 0 |
| 38 | 381.233 | 286.481 | 1722.58 | 0 | 0 |
| 39 | 381.885 | 286.967 | 1586.47 | 0 | 0 |
| 40 | 382.537 | 287.492 | 1435.02 | 0 | 0 |
| 41 | 383.19 | 288.058 | 1269.73 | 0 | 0 |
| 42 | 383.842 | 288.671 | 1092.48 | 0 | 0 |
| 43 | 384.494 | 289.335 | 905.598 | 0 | 0 |
| 44 | 385.146 | 290.058 | 711.489 | 0 | 0 |
| 45 | 385.798 | 290.849 | 513.733 | 0 | 0 |
| 46 | 386.45 | 291.72 | 317.209 | 0 | 0 |
| 47 | 387.102 | 292.689 | 128.478 | 0 | 0 |
| 48 | 387.755 | 293.781 | -40.1335 | 0 | 0 |
| 49 | 388.407 | 295.038 | -171.927 | 0 | 0 |
| 50 | 388.958 | 296.283 | -59.5936 | 0 | 0 |
| 51 | 389.212 | 296.936 | 0 | 0 | 0 |

## Cross Section B-B' - Master Scenario

### Global Minimum Query (bishop simplified) - Safety Factor: 0.758037

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 236.19 | 215.82 | 186.161 | 0 | 0 |
| 2 | 237.168 | 215.664 | 42.6278 | 0 | 0 |
| 3 | 238.146 | 215.523 | 93.657 | 0 | 0 |
| 4 | 239.125 | 215.398 | 151.497 | 0 | 0 |
| 5 | 240.103 | 215.287 | 214.663 | 0 | 0 |
| 6 | 241.081 | 215.192 | 281.766 | 0 | 0 |
| 7 | 242.059 | 215.112 | 351.515 | 0 | 0 |
| 8 | 243.038 | 215.047 | 422.707 | 0 | 0 |
| 9 | 244.016 | 214.997 | 494.224 | 0 | 0 |
| 10 | 244.994 | 214.961 | 565.033 | 0 | 0 |
| 11 | 245.973 | 214.941 | 634.179 | 0 | 0 |
| 12 | 246.951 | 214.935 | 700.787 | 0 | 0 |
| 13 | 247.929 | 214.944 | 764.054 | 0 | 0 |
| 14 | 248.907 | 214.968 | 823.25 | 0 | 0 |
| 15 | 249.886 | 215.007 | 877.717 | 0 | 0 |
| 16 | 250.864 | 215.06 | 926.866 | 0 | 0 |
| 17 | 251.842 | 215.129 | 970.178 | 0 | 0 |
| 18 | 252.82 | 215.212 | 1007.2 | 0 | 0 |
| 19 | 253.799 | 215.311 | 1037.55 | 0 | 0 |
| 20 | 254.777 | 215.425 | 1060.9 | 0 | 0 |
| 21 | 255.755 | 215.554 | 1078.06 | 0 | 0 |
| 22 | 256.734 | 215.698 | 1088.08 | 0 | 0 |
| 23 | 257.712 | 215.857 | 1090.49 | 0 | 0 |
| 24 | 258.69 | 216.032 | 1085.19 | 0 | 0 |
| 25 | 259.668 | 216.223 | 1072.18 | 0 | 0 |
| 26 | 260.647 | 216.429 | 1051.5 | 0 | 0 |
| 27 | 261.625 | 216.652 | 1023.28 | 0 | 0 |
| 28 | 262.603 | 216.89 | 987.974 | 0 | 0 |
| 29 | 263.581 | 217.145 | 947.407 | 0 | 0 |
| 30 | 264.56 | 217.416 | 902.009 | 0 | 0 |
| 31 | 265.538 | 217.704 | 851.988 | 0 | 0 |
| 32 | 266.516 | 218.008 | 797.633 | 0 | 0 |
| 33 | 267.494 | 218.33 | 739.324 | 0 | 0 |
| 34 | 268.473 | 218.67 | 677.527 | 0 | 0 |
| 35 | 269.451 | 219.027 | 612.807 | 0 | 0 |
| 36 | 270.429 | 219.402 | 545.825 | 0 | 0 |
| 37 | 271.408 | 219.796 | 477.349 | 0 | 0 |
| 38 | 272.386 | 220.208 | 408.261 | 0 | 0 |
| 39 | 273.364 | 220.639 | 339.557 | 0 | 0 |
| 40 | 274.342 | 221.091 | 272.365 | 0 | 0 |
| 41 | 275.321 | 221.562 | 207.945 | 0 | 0 |
| 42 | 276.299 | 222.053 | 147.706 | 0 | 0 |
| 43 | 277.277 | 222.566 | 93.2157 | 0 | 0 |
| 44 | 278.255 | 223.1 | 46.2123 | 0 | 0 |
| 45 | 279.234 | 223.657 | 8.62196 | 0 | 0 |
| 46 | 280.212 | 224.237 | -17.4248 | 0 | 0 |
| 47 | 281.198 | 224.845 | -37.0699 | 0 | 0 |
| 48 | 282.184 | 225.478 | -55.5443 | 0 | 0 |
| 49 | 283.17 | 226.137 | -71.1755 | 0 | 0 |
| 50 | 284.156 | 226.822 | -82.1039 | 0 | 0 |
| 51 | 285.142 | 227.536 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.726294

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 241.283 | 216.952 | 125.057 | 0 | 0 |
| 2 | 242 | 216.739 | 41.0445 | 0 | 0 |
| 3 | 242.716 | 216.541 | 92.1089 | 0 | 0 |
| 4 | 243.433 | 216.36 | 151.384 | 0 | 0 |
| 5 | 244.15 | 216.194 | 217.21 | 0 | 0 |
| 6 | 244.866 | 216.043 | 288.066 | 0 | 0 |
| 7 | 245.583 | 215.907 | 362.552 | 0 | 0 |
| 8 | 246.3 | 215.786 | 439.386 | 0 | 0 |
| 9 | 247.017 | 215.679 | 517.388 | 0 | 0 |
| 10 | 247.733 | 215.587 | 595.476 | 0 | 0 |
| 11 | 248.45 | 215.51 | 672.661 | 0 | 0 |
| 12 | 249.167 | 215.447 | 748.033 | 0 | 0 |
| 13 | 249.884 | 215.398 | 820.766 | 0 | 0 |
| 14 | 250.6 | 215.363 | 890.107 | 0 | 0 |
| 15 | 251.317 | 215.343 | 955.372 | 0 | 0 |
| 16 | 252.034 | 215.337 | 1015.95 | 0 | 0 |
| 17 | 252.751 | 215.344 | 1071.28 | 0 | 0 |
| 18 | 253.467 | 215.366 | 1120.88 | 0 | 0 |
| 19 | 254.184 | 215.403 | 1164.32 | 0 | 0 |
| 20 | 254.901 | 215.453 | 1201.24 | 0 | 0 |
| 21 | 255.617 | 215.518 | 1232.19 | 0 | 0 |
| 22 | 256.334 | 215.597 | 1256.21 | 0 | 0 |
| 23 | 257.051 | 215.69 | 1272.91 | 0 | 0 |
| 24 | 257.768 | 215.798 | 1282.15 | 0 | 0 |
| 25 | 258.484 | 215.921 | 1283.8 | 0 | 0 |
| 26 | 259.201 | 216.059 | 1277.81 | 0 | 0 |
| 27 | 259.918 | 216.211 | 1264.19 | 0 | 0 |
| 28 | 260.635 | 216.379 | 1243 | 0 | 0 |
| 29 | 261.351 | 216.562 | 1214.37 | 0 | 0 |
| 30 | 262.068 | 216.761 | 1178.49 | 0 | 0 |
| 31 | 262.785 | 216.976 | 1136.06 | 0 | 0 |
| 32 | 263.501 | 217.207 | 1087.91 | 0 | 0 |
| 33 | 264.218 | 217.455 | 1034.31 | 0 | 0 |
| 34 | 264.935 | 217.72 | 975.558 | 0 | 0 |
| 35 | 265.652 | 218.002 | 912.083 | 0 | 0 |
| 36 | 266.368 | 218.302 | 844.379 | 0 | 0 |
| 37 | 267.085 | 218.62 | 773.046 | 0 | 0 |
| 38 | 267.802 | 218.956 | 698.785 | 0 | 0 |
| 39 | 268.519 | 219.313 | 622.418 | 0 | 0 |
| 40 | 269.235 | 219.689 | 544.892 | 0 | 0 |
| 41 | 269.952 | 220.086 | 467.298 | 0 | 0 |
| 42 | 270.669 | 220.504 | 390.886 | 0 | 0 |
| 43 | 271.385 | 220.945 | 317.083 | 0 | 0 |
| 44 | 272.102 | 221.41 | 247.52 | 0 | 0 |
| 45 | 272.819 | 221.899 | 184.058 | 0 | 0 |
| 46 | 273.536 | 222.413 | 128.825 | 0 | 0 |
| 47 | 274.252 | 222.955 | 84.254 | 0 | 0 |
| 48 | 274.969 | 223.525 | 53.139 | 0 | 0 |
| 49 | 275.734 | 224.167 | 30.669 | 0 | 0 |
| 50 | 276.498 | 224.846 | 14.9491 | 0 | 0 |
| 51 | 277.263 | 225.566 | 0 | 0 | 0 |

## Cross Section B-B' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 0.330835

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 236.107 | 215.802 | 187.251 | 0 | 0 |
| 2 | 237.093 | 215.644 | 44.6308 | 0 | 0 |
| 3 | 238.079 | 215.503 | 100.226 | 0 | 0 |
| 4 | 239.065 | 215.376 | 164.395 | 0 | 0 |
| 5 | 240.05 | 215.265 | 234.959 | 0 | 0 |
| 6 | 241.036 | 215.169 | 309.933 | 0 | 0 |
| 7 | 242.022 | 215.088 | 387.515 | 0 | 0 |
| 8 | 243.008 | 215.023 | 466.063 | 0 | 0 |
| 9 | 243.993 | 214.972 | 544.09 | 0 | 0 |
| 10 | 244.979 | 214.936 | 620.253 | 0 | 0 |
| 11 | 245.965 | 214.915 | 693.338 | 0 | 0 |
| 12 | 246.951 | 214.91 | 762.259 | 0 | 0 |
| 13 | 247.936 | 214.919 | 826.045 | 0 | 0 |
| 14 | 248.922 | 214.943 | 883.836 | 0 | 0 |
| 15 | 249.908 | 214.982 | 934.881 | 0 | 0 |
| 16 | 250.894 | 215.036 | 978.527 | 0 | 0 |
| 17 | 251.879 | 215.105 | 1014.22 | 0 | 0 |
| 18 | 252.865 | 215.189 | 1041.49 | 0 | 0 |
| 19 | 253.851 | 215.288 | 1059.97 | 0 | 0 |
| 20 | 254.837 | 215.402 | 1069.38 | 0 | 0 |
| 21 | 255.822 | 215.532 | 1070.64 | 0 | 0 |
| 22 | 256.808 | 215.677 | 1062.62 | 0 | 0 |
| 23 | 257.794 | 215.837 | 1044.98 | 0 | 0 |
| 24 | 258.78 | 216.014 | 1017.75 | 0 | 0 |
| 25 | 259.765 | 216.205 | 980.996 | 0 | 0 |
| 26 | 260.751 | 216.413 | 934.899 | 0 | 0 |
| 27 | 261.737 | 216.637 | 879.711 | 0 | 0 |
| 28 | 262.723 | 216.877 | 816.747 | 0 | 0 |
| 29 | 263.708 | 217.133 | 750.306 | 0 | 0 |
| 30 | 264.694 | 217.406 | 681.038 | 0 | 0 |
| 31 | 265.68 | 217.696 | 609.247 | 0 | 0 |
| 32 | 266.666 | 218.003 | 535.339 | 0 | 0 |
| 33 | 267.651 | 218.327 | 459.818 | 0 | 0 |
| 34 | 268.637 | 218.668 | 383.296 | 0 | 0 |
| 35 | 269.623 | 219.028 | 306.492 | 0 | 0 |
| 36 | 270.609 | 219.405 | 230.238 | 0 | 0 |
| 37 | 271.595 | 219.801 | 155.483 | 0 | 0 |
| 38 | 272.58 | 220.216 | 83.2997 | 0 | 0 |
| 39 | 273.566 | 220.651 | 14.8927 | 0 | 0 |
| 40 | 274.552 | 221.105 | -48.3967 | 0 | 0 |
| 41 | 275.538 | 221.579 | -105.08 | 0 | 0 |
| 42 | 276.523 | 222.074 | -153.511 | 0 | 0 |
| 43 | 277.509 | 222.59 | -191.876 | 0 | 0 |
| 44 | 278.495 | 223.128 | -218.179 | 0 | 0 |
| 45 | 279.481 | 223.688 | -230.226 | 0 | 0 |
| 46 | 280.466 | 224.271 | -225.611 | 0 | 0 |
| 47 | 281.467 | 224.888 | -214.726 | 0 | 0 |
| 48 | 282.468 | 225.53 | -209.002 | 0 | 0 |
| 49 | 283.469 | 226.198 | -207.003 | 0 | 0 |
| 50 | 284.47 | 226.894 | -207.141 | 0 | 0 |
| 51 | 285.47 | 227.618 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.320817

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 236.107 | 215.802 | 187.251 | 0 | 0 |
| 2 | 237.093 | 215.644 | 44.9502 | 0 | 0 |
| 3 | 238.079 | 215.503 | 101.447 | 0 | 0 |
| 4 | 239.065 | 215.376 | 167.024 | 0 | 0 |
| 5 | 240.05 | 215.265 | 239.437 | 0 | 0 |
| 6 | 241.036 | 215.169 | 316.643 | 0 | 0 |
| 7 | 242.022 | 215.088 | 396.786 | 0 | 0 |
| 8 | 243.008 | 215.023 | 478.18 | 0 | 0 |
| 9 | 243.993 | 214.972 | 559.298 | 0 | 0 |
| 10 | 244.979 | 214.936 | 638.759 | 0 | 0 |
| 11 | 245.965 | 214.915 | 715.316 | 0 | 0 |
| 12 | 246.951 | 214.91 | 787.855 | 0 | 0 |
| 13 | 247.936 | 214.919 | 855.378 | 0 | 0 |
| 14 | 248.922 | 214.943 | 917.002 | 0 | 0 |
| 15 | 249.908 | 214.982 | 971.952 | 0 | 0 |
| 16 | 250.894 | 215.036 | 1019.56 | 0 | 0 |
| 17 | 251.879 | 215.105 | 1059.24 | 0 | 0 |
| 18 | 252.865 | 215.189 | 1090.53 | 0 | 0 |
| 19 | 253.851 | 215.288 | 1113.04 | 0 | 0 |
| 20 | 254.837 | 215.402 | 1126.46 | 0 | 0 |
| 21 | 255.822 | 215.532 | 1131.72 | 0 | 0 |
| 22 | 256.808 | 215.677 | 1127.68 | 0 | 0 |
| 23 | 257.794 | 215.837 | 1114.02 | 0 | 0 |
| 24 | 258.78 | 216.014 | 1090.72 | 0 | 0 |
| 25 | 259.765 | 216.205 | 1057.86 | 0 | 0 |
| 26 | 260.751 | 216.413 | 1015.61 | 0 | 0 |
| 27 | 261.737 | 216.637 | 964.197 | 0 | 0 |
| 28 | 262.723 | 216.877 | 904.967 | 0 | 0 |
| 29 | 263.708 | 217.133 | 842.304 | 0 | 0 |
| 30 | 264.694 | 217.406 | 776.857 | 0 | 0 |
| 31 | 265.68 | 217.696 | 708.917 | 0 | 0 |
| 32 | 266.666 | 218.003 | 638.878 | 0 | 0 |
| 33 | 267.651 | 218.327 | 567.235 | 0 | 0 |
| 34 | 268.637 | 218.668 | 494.586 | 0 | 0 |
| 35 | 269.623 | 219.028 | 421.642 | 0 | 0 |
| 36 | 270.609 | 219.405 | 349.224 | 0 | 0 |
| 37 | 271.595 | 219.801 | 278.272 | 0 | 0 |
| 38 | 272.58 | 220.216 | 209.849 | 0 | 0 |
| 39 | 273.566 | 220.651 | 145.152 | 0 | 0 |
| 40 | 274.552 | 221.105 | 85.511 | 0 | 0 |
| 41 | 275.538 | 221.579 | 32.4076 | 0 | 0 |
| 42 | 276.523 | 222.074 | -12.5215 | 0 | 0 |
| 43 | 277.509 | 222.59 | -47.4706 | 0 | 0 |
| 44 | 278.495 | 223.128 | -70.4522 | 0 | 0 |
| 45 | 279.481 | 223.688 | -79.2821 | 0 | 0 |
| 46 | 280.466 | 224.271 | -71.562 | 0 | 0 |
| 47 | 281.467 | 224.888 | -57.869 | 0 | 0 |
| 48 | 282.468 | 225.53 | -49.9165 | 0 | 0 |
| 49 | 283.469 | 226.198 | -46.2943 | 0 | 0 |
| 50 | 284.47 | 226.894 | -45.4384 | 0 | 0 |
| 51 | 285.47 | 227.618 | 0 | 0 | 0 |

# Cross Section C-C' - Master Scenario

## Global Minimum Query (bishop simplified) - Safety Factor: 0.90391

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 281.697 | 245.249 | 0 | 0 | 0 |
| 2 | 282.99 | 245.443 | 4.12226 | 0 | 0 |
| 3 | 284.283 | 245.649 | 15.8316 | 0 | 0 |
| 4 | 285.576 | 245.866 | 34.1655 | 0 | 0 |
| 5 | 286.869 | 246.095 | 58.2045 | 0 | 0 |
| 6 | 288.162 | 246.337 | 87.072 | 0 | 0 |
| 7 | 289.455 | 246.59 | 119.934 | 0 | 0 |
| 8 | 290.748 | 246.855 | 155.998 | 0 | 0 |
| 9 | 292.041 | 247.132 | 194.514 | 0 | 0 |
| 10 | 293.334 | 247.421 | 234.774 | 0 | 0 |
| 11 | 294.627 | 247.723 | 276.112 | 0 | 0 |
| 12 | 295.92 | 248.036 | 318.504 | 0 | 0 |
| 13 | 297.213 | 248.362 | 362.861 | 0 | 0 |
| 14 | 298.506 | 248.701 | 408.441 | 0 | 0 |
| 15 | 299.799 | 249.052 | 454.447 | 0 | 0 |
| 16 | 301.092 | 249.416 | 500.124 | 0 | 0 |
| 17 | 302.385 | 249.792 | 544.76 | 0 | 0 |
| 18 | 303.678 | 250.181 | 587.683 | 0 | 0 |
| 19 | 304.971 | 250.583 | 628.266 | 0 | 0 |
| 20 | 306.264 | 250.999 | 665.924 | 0 | 0 |
| 21 | 307.557 | 251.427 | 700.114 | 0 | 0 |
| 22 | 308.85 | 251.869 | 730.34 | 0 | 0 |
| 23 | 310.143 | 252.324 | 756.147 | 0 | 0 |
| 24 | 311.436 | 252.792 | 777.127 | 0 | 0 |
| 25 | 312.729 | 253.274 | 792.915 | 0 | 0 |
| 26 | 314.022 | 253.77 | 803.194 | 0 | 0 |
| 27 | 315.315 | 254.28 | 807.693 | 0 | 0 |
| 28 | 316.608 | 254.804 | 806.189 | 0 | 0 |
| 29 | 317.901 | 255.343 | 798.541 | 0 | 0 |
| 30 | 319.194 | 255.895 | 784.856 | 0 | 0 |
| 31 | 320.487 | 256.463 | 765.289 | 0 | 0 |
| 32 | 321.78 | 257.045 | 740.043 | 0 | 0 |
| 33 | 323.073 | 257.642 | 709.376 | 0 | 0 |
| 34 | 324.366 | 258.255 | 673.604 | 0 | 0 |
| 35 | 325.659 | 258.883 | 633.1 | 0 | 0 |
| 36 | 326.952 | 259.526 | 588.298 | 0 | 0 |
| 37 | 328.245 | 260.185 | 539.698 | 0 | 0 |
| 38 | 329.538 | 260.861 | 487.859 | 0 | 0 |
| 39 | 330.831 | 261.553 | 433.413 | 0 | 0 |
| 40 | 332.124 | 262.261 | 377.058 | 0 | 0 |
| 41 | 333.417 | 262.986 | 319.568 | 0 | 0 |
| 42 | 334.71 | 263.729 | 261.791 | 0 | 0 |
| 43 | 336.003 | 264.489 | 204.654 | 0 | 0 |
| 44 | 337.296 | 265.267 | 149.168 | 0 | 0 |
| 45 | 338.589 | 266.063 | 96.4295 | 0 | 0 |
| 46 | 339.882 | 266.877 | 47.6265 | 0 | 0 |
| 47 | 341.175 | 267.71 | 4.042 | 0 | 0 |
| 48 | 342.468 | 268.563 | -32.9409 | 0 | 0 |
| 49 | 343.761 | 269.435 | -61.7452 | 0 | 0 |
| 50 | 345.054 | 270.327 | -80.3647 | 0 | 0 |
| 51 | 346.347 | 271.24 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.884362

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 290.272 | 248.311 | 0 | 0 | 0 |
| 2 | 291.187 | 248.354 | 4.65447 | 0 | 0 |
| 3 | 292.101 | 248.409 | 17.8736 | 0 | 0 |
| 4 | 293.016 | 248.476 | 38.5793 | 0 | 0 |
| 5 | 293.931 | 248.554 | 65.7465 | 0 | 0 |
| 6 | 294.845 | 248.644 | 98.4013 | 0 | 0 |
| 7 | 295.76 | 248.746 | 136.43 | 0 | 0 |
| 8 | 296.675 | 248.86 | 180.311 | 0 | 0 |
| 9 | 297.59 | 248.986 | 229.024 | 0 | 0 |
| 10 | 298.504 | 249.124 | 281.567 | 0 | 0 |
| 11 | 299.419 | 249.274 | 336.983 | 0 | 0 |
| 12 | 300.334 | 249.436 | 394.362 | 0 | 0 |
| 13 | 301.248 | 249.611 | 452.841 | 0 | 0 |
| 14 | 302.163 | 249.798 | 511.6 | 0 | 0 |
| 15 | 303.078 | 249.998 | 569.866 | 0 | 0 |
| 16 | 303.992 | 250.21 | 626.906 | 0 | 0 |
| 17 | 304.907 | 250.434 | 682.035 | 0 | 0 |
| 18 | 305.822 | 250.672 | 734.608 | 0 | 0 |
| 19 | 306.737 | 250.922 | 784.025 | 0 | 0 |
| 20 | 307.651 | 251.186 | 829.73 | 0 | 0 |
| 21 | 308.566 | 251.463 | 871.208 | 0 | 0 |
| 22 | 309.481 | 251.753 | 907.99 | 0 | 0 |
| 23 | 310.395 | 252.057 | 939.65 | 0 | 0 |
| 24 | 311.31 | 252.375 | 965.807 | 0 | 0 |
| 25 | 312.225 | 252.706 | 986.125 | 0 | 0 |
| 26 | 313.14 | 253.052 | 1000.32 | 0 | 0 |
| 27 | 314.054 | 253.412 | 1008.14 | 0 | 0 |
| 28 | 314.969 | 253.787 | 1009.39 | 0 | 0 |
| 29 | 315.884 | 254.177 | 1003.94 | 0 | 0 |
| 30 | 316.798 | 254.581 | 991.686 | 0 | 0 |
| 31 | 317.713 | 255.002 | 972.662 | 0 | 0 |
| 32 | 318.628 | 255.438 | 947.143 | 0 | 0 |
| 33 | 319.543 | 255.89 | 915.375 | 0 | 0 |
| 34 | 320.457 | 256.358 | 877.659 | 0 | 0 |
| 35 | 321.372 | 256.843 | 834.366 | 0 | 0 |
| 36 | 322.287 | 257.345 | 785.931 | 0 | 0 |
| 37 | 323.201 | 257.865 | 732.867 | 0 | 0 |
| 38 | 324.116 | 258.403 | 675.76 | 0 | 0 |
| 39 | 325.031 | 258.959 | 615.284 | 0 | 0 |
| 40 | 325.945 | 259.535 | 552.198 | 0 | 0 |
| 41 | 326.86 | 260.13 | 487.357 | 0 | 0 |
| 42 | 327.775 | 260.745 | 421.718 | 0 | 0 |
| 43 | 328.69 | 261.381 | 356.348 | 0 | 0 |
| 44 | 329.604 | 262.038 | 292.433 | 0 | 0 |
| 45 | 330.519 | 262.717 | 231.289 | 0 | 0 |
| 46 | 331.434 | 263.42 | 174.372 | 0 | 0 |
| 47 | 332.348 | 264.146 | 123.295 | 0 | 0 |
| 48 | 333.263 | 264.897 | 79.8378 | 0 | 0 |
| 49 | 334.178 | 265.674 | 45.9682 | 0 | 0 |
| 50 | 335.093 | 266.478 | 23.8613 | 0 | 0 |
| 51 | 336.007 | 267.31 | 0 | 0 | 0 |

## Cross Section C-C' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 0.529124

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 280.647 | 244.864 | 0 | 0 | 0 |
| 2 | 281.945 | 245.059 | 4.68527 | 0 | 0 |
| 3 | 283.242 | 245.265 | 17.4688 | 0 | 0 |
| 4 | 284.539 | 245.483 | 37.2197 | 0 | 0 |
| 5 | 285.836 | 245.713 | 62.9053 | 0 | 0 |
| 6 | 287.134 | 245.955 | 93.5466 | 0 | 0 |
| 7 | 288.431 | 246.208 | 128.218 | 0 | 0 |
| 8 | 289.728 | 246.474 | 166.047 | 0 | 0 |
| 9 | 291.025 | 246.752 | 206.213 | 0 | 0 |
| 10 | 292.322 | 247.042 | 247.944 | 0 | 0 |
| 11 | 293.62 | 247.344 | 290.523 | 0 | 0 |
| 12 | 294.917 | 247.659 | 333.28 | 0 | 0 |
| 13 | 296.214 | 247.986 | 376.581 | 0 | 0 |
| 14 | 297.511 | 248.325 | 420.874 | 0 | 0 |
| 15 | 298.809 | 248.677 | 465.31 | 0 | 0 |
| 16 | 300.106 | 249.042 | 509.089 | 0 | 0 |
| 17 | 301.403 | 249.419 | 551.458 | 0 | 0 |
| 18 | 302.7 | 249.809 | 591.718 | 0 | 0 |
| 19 | 303.997 | 250.213 | 629.219 | 0 | 0 |
| 20 | 305.295 | 250.629 | 663.36 | 0 | 0 |
| 21 | 306.592 | 251.058 | 693.593 | 0 | 0 |
| 22 | 307.889 | 251.501 | 719.419 | 0 | 0 |
| 23 | 309.186 | 251.957 | 740.388 | 0 | 0 |
| 24 | 310.484 | 252.427 | 756.103 | 0 | 0 |
| 25 | 311.781 | 252.911 | 766.217 | 0 | 0 |
| 26 | 313.078 | 253.408 | 770.435 | 0 | 0 |
| 27 | 314.375 | 253.92 | 768.513 | 0 | 0 |
| 28 | 315.672 | 254.445 | 760.26 | 0 | 0 |
| 29 | 316.97 | 254.985 | 745.537 | 0 | 0 |
| 30 | 318.267 | 255.539 | 724.442 | 0 | 0 |
| 31 | 319.564 | 256.109 | 697.318 | 0 | 0 |
| 32 | 320.861 | 256.692 | 664.423 | 0 | 0 |
| 33 | 322.159 | 257.291 | 626.071 | 0 | 0 |
| 34 | 323.456 | 257.906 | 582.634 | 0 | 0 |
| 35 | 324.753 | 258.535 | 534.544 | 0 | 0 |
| 36 | 326.05 | 259.181 | 482.293 | 0 | 0 |
| 37 | 327.347 | 259.842 | 426.435 | 0 | 0 |
| 38 | 328.645 | 260.519 | 367.59 | 0 | 0 |
| 39 | 329.942 | 261.213 | 306.443 | 0 | 0 |
| 40 | 331.239 | 261.924 | 243.748 | 0 | 0 |
| 41 | 332.536 | 262.651 | 180.327 | 0 | 0 |
| 42 | 333.834 | 263.396 | 117.079 | 0 | 0 |
| 43 | 335.131 | 264.158 | 54.9752 | 0 | 0 |
| 44 | 336.428 | 264.938 | -4.93245 | 0 | 0 |
| 45 | 337.725 | 265.737 | -61.5113 | 0 | 0 |
| 46 | 339.022 | 266.554 | -113.544 | 0 | 0 |
| 47 | 340.32 | 267.389 | -159.722 | 0 | 0 |
| 48 | 341.617 | 268.244 | -198.649 | 0 | 0 |
| 49 | 342.914 | 269.119 | -228.826 | 0 | 0 |
| 50 | 344.211 | 270.014 | -248.411 | 0 | 0 |
| 51 | 345.509 | 270.929 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.519857

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 282.328 | 245.474 | 0 | 0 | 0 |
| 2 | 283.608 | 245.667 | 4.51071 | 0 | 0 |
| 3 | 284.889 | 245.871 | 17.296 | 0 | 0 |
| 4 | 286.169 | 246.087 | 37.272 | 0 | 0 |
| 5 | 287.449 | 246.315 | 63.409 | 0 | 0 |
| 6 | 288.73 | 246.554 | 94.7304 | 0 | 0 |
| 7 | 290.01 | 246.806 | 130.312 | 0 | 0 |
| 8 | 291.29 | 247.069 | 169.282 | 0 | 0 |
| 9 | 292.571 | 247.344 | 210.818 | 0 | 0 |
| 10 | 293.851 | 247.631 | 254.15 | 0 | 0 |
| 11 | 295.132 | 247.93 | 298.571 | 0 | 0 |
| 12 | 296.412 | 248.241 | 344.919 | 0 | 0 |
| 13 | 297.692 | 248.564 | 393.333 | 0 | 0 |
| 14 | 298.973 | 248.9 | 442.914 | 0 | 0 |
| 15 | 300.253 | 249.248 | 492.807 | 0 | 0 |
| 16 | 301.534 | 249.609 | 542.214 | 0 | 0 |
| 17 | 302.814 | 249.982 | 590.381 | 0 | 0 |
| 18 | 304.094 | 250.368 | 636.607 | 0 | 0 |
| 19 | 305.375 | 250.767 | 680.24 | 0 | 0 |
| 20 | 306.655 | 251.179 | 720.676 | 0 | 0 |
| 21 | 307.935 | 251.604 | 757.361 | 0 | 0 |
| 22 | 309.216 | 252.041 | 789.79 | 0 | 0 |
| 23 | 310.496 | 252.492 | 817.507 | 0 | 0 |
| 24 | 311.777 | 252.957 | 840.108 | 0 | 0 |
| 25 | 313.057 | 253.435 | 857.235 | 0 | 0 |
| 26 | 314.337 | 253.927 | 868.582 | 0 | 0 |
| 27 | 315.618 | 254.432 | 873.894 | 0 | 0 |
| 28 | 316.898 | 254.952 | 872.967 | 0 | 0 |
| 29 | 318.178 | 255.485 | 865.702 | 0 | 0 |
| 30 | 319.459 | 256.033 | 852.236 | 0 | 0 |
| 31 | 320.739 | 256.596 | 832.748 | 0 | 0 |
| 32 | 322.02 | 257.173 | 807.472 | 0 | 0 |
| 33 | 323.3 | 257.765 | 776.696 | 0 | 0 |
| 34 | 324.58 | 258.372 | 740.766 | 0 | 0 |
| 35 | 325.861 | 258.994 | 700.085 | 0 | 0 |
| 36 | 327.141 | 259.632 | 655.113 | 0 | 0 |
| 37 | 328.421 | 260.285 | 606.372 | 0 | 0 |
| 38 | 329.702 | 260.955 | 554.449 | 0 | 0 |
| 39 | 330.982 | 261.64 | 499.99 | 0 | 0 |
| 40 | 332.263 | 262.343 | 443.711 | 0 | 0 |
| 41 | 333.543 | 263.061 | 386.394 | 0 | 0 |
| 42 | 334.823 | 263.797 | 328.894 | 0 | 0 |
| 43 | 336.104 | 264.55 | 272.137 | 0 | 0 |
| 44 | 337.384 | 265.321 | 217.126 | 0 | 0 |
| 45 | 338.665 | 266.11 | 164.944 | 0 | 0 |
| 46 | 339.945 | 266.917 | 116.754 | 0 | 0 |
| 47 | 341.225 | 267.742 | 73.8062 | 0 | 0 |
| 48 | 342.506 | 268.587 | 37.4404 | 0 | 0 |
| 49 | 343.786 | 269.451 | 9.18366 | 0 | 0 |
| 50 | 345.066 | 270.335 | -9.03746 | 0 | 0 |
| 51 | 346.347 | 271.24 | 0 | 0 | 0 |

# Cross Section D-D' - Master Scenario

## Global Minimum Query (bishop simplified) - Safety Factor: 0.956465

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 481.614 | 252.362 | 0 | 0 | 0 |
| 2 | 482.545 | 252.384 | 5.0872 | 0 | 0 |
| 3 | 483.476 | 252.418 | 19.5237 | 0 | 0 |
| 4 | 484.408 | 252.465 | 42.1232 | 0 | 0 |
| 5 | 485.339 | 252.523 | 71.7572 | 0 | 0 |
| 6 | 486.27 | 252.594 | 107.353 | 0 | 0 |
| 7 | 487.201 | 252.677 | 147.894 | 0 | 0 |
| 8 | 488.132 | 252.773 | 192.413 | 0 | 0 |
| 9 | 489.064 | 252.881 | 240.002 | 0 | 0 |
| 10 | 489.995 | 253.001 | 290.489 | 0 | 0 |
| 11 | 490.926 | 253.134 | 343.483 | 0 | 0 |
| 12 | 491.857 | 253.279 | 398.075 | 0 | 0 |
| 13 | 492.788 | 253.437 | 453.41 | 0 | 0 |
| 14 | 493.72 | 253.608 | 508.676 | 0 | 0 |
| 15 | 494.651 | 253.791 | 563.111 | 0 | 0 |
| 16 | 495.582 | 253.988 | 616 | 0 | 0 |
| 17 | 496.513 | 254.197 | 666.675 | 0 | 0 |
| 18 | 497.444 | 254.42 | 714.511 | 0 | 0 |
| 19 | 498.376 | 254.656 | 758.934 | 0 | 0 |
| 20 | 499.307 | 254.905 | 799.412 | 0 | 0 |
| 21 | 500.238 | 255.168 | 835.462 | 0 | 0 |
| 22 | 501.169 | 255.445 | 866.646 | 0 | 0 |
| 23 | 502.1 | 255.736 | 892.575 | 0 | 0 |
| 24 | 503.032 | 256.04 | 912.906 | 0 | 0 |
| 25 | 503.963 | 256.359 | 927.346 | 0 | 0 |
| 26 | 504.894 | 256.692 | 935.65 | 0 | 0 |
| 27 | 505.825 | 257.04 | 937.623 | 0 | 0 |
| 28 | 506.756 | 257.403 | 933.124 | 0 | 0 |
| 29 | 507.688 | 257.781 | 922.064 | 0 | 0 |
| 30 | 508.619 | 258.175 | 904.408 | 0 | 0 |
| 31 | 509.55 | 258.584 | 880.18 | 0 | 0 |
| 32 | 510.481 | 259.009 | 849.462 | 0 | 0 |
| 33 | 511.412 | 259.451 | 812.399 | 0 | 0 |
| 34 | 512.344 | 259.909 | 769.197 | 0 | 0 |
| 35 | 513.275 | 260.384 | 720.148 | 0 | 0 |
| 36 | 514.206 | 260.877 | 665.849 | 0 | 0 |
| 37 | 515.137 | 261.387 | 606.882 | 0 | 0 |
| 38 | 516.069 | 261.916 | 543.836 | 0 | 0 |
| 39 | 517 | 262.464 | 477.387 | 0 | 0 |
| 40 | 517.931 | 263.03 | 408.301 | 0 | 0 |
| 41 | 518.862 | 263.617 | 337.445 | 0 | 0 |
| 42 | 519.793 | 264.223 | 265.792 | 0 | 0 |
| 43 | 520.725 | 264.851 | 194.432 | 0 | 0 |
| 44 | 521.656 | 265.501 | 124.576 | 0 | 0 |
| 45 | 522.587 | 266.173 | 57.5725 | 0 | 0 |
| 46 | 523.518 | 266.868 | -5.08252 | 0 | 0 |
| 47 | 524.449 | 267.587 | -61.7327 | 0 | 0 |
| 48 | 525.381 | 268.331 | -110.544 | 0 | 0 |
| 49 | 526.312 | 269.102 | -149.403 | 0 | 0 |
| 50 | 527.243 | 269.899 | -174.895 | 0 | 0 |
| 51 | 528.174 | 270.725 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.928471

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 481.614 | 252.362 | 0 | 0 | 0 |
| 2 | 482.545 | 252.384 | 5.28797 | 0 | 0 |
| 3 | 483.476 | 252.418 | 20.3135 | 0 | 0 |
| 4 | 484.408 | 252.465 | 43.868 | 0 | 0 |
| 5 | 485.339 | 252.523 | 74.8017 | 0 | 0 |
| 6 | 486.27 | 252.594 | 112.022 | 0 | 0 |
| 7 | 487.201 | 252.677 | 154.49 | 0 | 0 |
| 8 | 488.132 | 252.773 | 201.223 | 0 | 0 |
| 9 | 489.064 | 252.881 | 251.293 | 0 | 0 |
| 10 | 489.995 | 253.001 | 304.547 | 0 | 0 |
| 11 | 490.926 | 253.134 | 360.606 | 0 | 0 |
| 12 | 491.857 | 253.279 | 418.545 | 0 | 0 |
| 13 | 492.788 | 253.437 | 477.489 | 0 | 0 |
| 14 | 493.72 | 253.608 | 536.611 | 0 | 0 |
| 15 | 494.651 | 253.791 | 595.133 | 0 | 0 |
| 16 | 495.582 | 253.988 | 652.323 | 0 | 0 |
| 17 | 496.513 | 254.197 | 707.497 | 0 | 0 |
| 18 | 497.444 | 254.42 | 760.016 | 0 | 0 |
| 19 | 498.376 | 254.656 | 809.29 | 0 | 0 |
| 20 | 499.307 | 254.905 | 854.774 | 0 | 0 |
| 21 | 500.238 | 255.168 | 895.967 | 0 | 0 |
| 22 | 501.169 | 255.445 | 932.42 | 0 | 0 |
| 23 | 502.1 | 255.736 | 963.727 | 0 | 0 |
| 24 | 503.032 | 256.04 | 989.531 | 0 | 0 |
| 25 | 503.963 | 256.359 | 1009.52 | 0 | 0 |
| 26 | 504.894 | 256.692 | 1023.45 | 0 | 0 |
| 27 | 505.825 | 257.04 | 1031.09 | 0 | 0 |
| 28 | 506.756 | 257.403 | 1032.3 | 0 | 0 |
| 29 | 507.688 | 257.781 | 1026.97 | 0 | 0 |
| 30 | 508.619 | 258.175 | 1015.05 | 0 | 0 |
| 31 | 509.55 | 258.584 | 996.551 | 0 | 0 |
| 32 | 510.481 | 259.009 | 971.535 | 0 | 0 |
| 33 | 511.412 | 259.451 | 940.133 | 0 | 0 |
| 34 | 512.344 | 259.909 | 902.534 | 0 | 0 |
| 35 | 513.275 | 260.384 | 859.012 | 0 | 0 |
| 36 | 514.206 | 260.877 | 810.119 | 0 | 0 |
| 37 | 515.137 | 261.387 | 756.413 | 0 | 0 |
| 38 | 516.069 | 261.916 | 698.461 | 0 | 0 |
| 39 | 517 | 262.464 | 636.918 | 0 | 0 |
| 40 | 517.931 | 263.03 | 572.528 | 0 | 0 |
| 41 | 518.862 | 263.617 | 506.136 | 0 | 0 |
| 42 | 519.793 | 264.223 | 438.691 | 0 | 0 |
| 43 | 520.725 | 264.851 | 371.254 | 0 | 0 |
| 44 | 521.656 | 265.501 | 305.01 | 0 | 0 |
| 45 | 522.587 | 266.173 | 241.279 | 0 | 0 |
| 46 | 523.518 | 266.868 | 181.522 | 0 | 0 |
| 47 | 524.449 | 267.587 | 127.363 | 0 | 0 |
| 48 | 525.381 | 268.331 | 80.597 | 0 | 0 |
| 49 | 526.312 | 269.102 | 43.2946 | 0 | 0 |
| 50 | 527.243 | 269.899 | 18.7808 | 0 | 0 |
| 51 | 528.174 | 270.725 | 0 | 0 | 0 |

# Cross Section D-D' - Seismic

## Global Minimum Query (bishop simplified) - Safety Factor: 0.551661

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 472.511 | 249.111 | 0 | 0 | 0 |
| 2 | 473.839 | 249.279 | 5.27106 | 0 | 0 |
| 3 | 475.167 | 249.458 | 20.2037 | 0 | 0 |
| 4 | 476.494 | 249.65 | 43.5336 | 0 | 0 |
| 5 | 477.822 | 249.855 | 74.0578 | 0 | 0 |
| 6 | 479.15 | 250.071 | 110.633 | 0 | 0 |
| 7 | 480.478 | 250.3 | 152.177 | 0 | 0 |
| 8 | 481.806 | 250.541 | 197.663 | 0 | 0 |
| 9 | 483.134 | 250.795 | 246.124 | 0 | 0 |
| 10 | 484.461 | 251.062 | 296.648 | 0 | 0 |
| 11 | 485.789 | 251.341 | 348.379 | 0 | 0 |
| 12 | 487.117 | 251.633 | 400.517 | 0 | 0 |
| 13 | 488.445 | 251.938 | 452.317 | 0 | 0 |
| 14 | 489.773 | 252.255 | 503.318 | 0 | 0 |
| 15 | 491.1 | 252.586 | 553.779 | 0 | 0 |
| 16 | 492.428 | 252.929 | 603.018 | 0 | 0 |
| 17 | 493.756 | 253.286 | 650.29 | 0 | 0 |
| 18 | 495.084 | 253.656 | 694.902 | 0 | 0 |
| 19 | 496.412 | 254.039 | 736.217 | 0 | 0 |
| 20 | 497.739 | 254.436 | 773.651 | 0 | 0 |
| 21 | 499.067 | 254.846 | 806.674 | 0 | 0 |
| 22 | 500.395 | 255.27 | 834.811 | 0 | 0 |
| 23 | 501.723 | 255.708 | 857.64 | 0 | 0 |
| 24 | 503.051 | 256.159 | 874.792 | 0 | 0 |
| 25 | 504.378 | 256.625 | 885.955 | 0 | 0 |
| 26 | 505.706 | 257.105 | 890.87 | 0 | 0 |
| 27 | 507.034 | 257.599 | 889.335 | 0 | 0 |
| 28 | 508.362 | 258.108 | 881.201 | 0 | 0 |
| 29 | 509.69 | 258.632 | 866.378 | 0 | 0 |
| 30 | 511.017 | 259.17 | 844.833 | 0 | 0 |
| 31 | 512.345 | 259.724 | 816.588 | 0 | 0 |
| 32 | 513.673 | 260.292 | 781.767 | 0 | 0 |
| 33 | 515.001 | 260.876 | 740.791 | 0 | 0 |
| 34 | 516.329 | 261.476 | 694.015 | 0 | 0 |
| 35 | 517.656 | 262.091 | 641.819 | 0 | 0 |
| 36 | 518.984 | 262.723 | 584.648 | 0 | 0 |
| 37 | 520.312 | 263.37 | 523.011 | 0 | 0 |
| 38 | 521.64 | 264.035 | 457.488 | 0 | 0 |
| 39 | 522.968 | 264.715 | 388.724 | 0 | 0 |
| 40 | 524.295 | 265.413 | 317.44 | 0 | 0 |
| 41 | 525.623 | 266.128 | 244.427 | 0 | 0 |
| 42 | 526.951 | 266.861 | 170.911 | 0 | 0 |
| 43 | 528.279 | 267.612 | 98.9331 | 0 | 0 |
| 44 | 529.607 | 268.381 | 29.7656 | 0 | 0 |
| 45 | 530.935 | 269.168 | -35.2875 | 0 | 0 |
| 46 | 532.262 | 269.974 | -94.8325 | 0 | 0 |
| 47 | 533.59 | 270.799 | -147.381 | 0 | 0 |
| 48 | 534.918 | 271.644 | -191.348 | 0 | 0 |
| 49 | 536.246 | 272.509 | -225.044 | 0 | 0 |
| 50 | 537.574 | 273.394 | -246.673 | 0 | 0 |
| 51 | 538.901 | 274.3 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.539656

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 483.589 | 253.068 | 0 | 0 | 0 |
| 2 | 484.505 | 253.089 | 5.73645 | 0 | 0 |
| 3 | 485.421 | 253.123 | 21.9644 | 0 | 0 |
| 4 | 486.337 | 253.168 | 47.2912 | 0 | 0 |
| 5 | 487.253 | 253.226 | 80.4038 | 0 | 0 |
| 6 | 488.169 | 253.296 | 120.065 | 0 | 0 |
| 7 | 489.085 | 253.378 | 165.12 | 0 | 0 |
| 8 | 490.001 | 253.471 | 215.36 | 0 | 0 |
| 9 | 490.917 | 253.578 | 270.255 | 0 | 0 |
| 10 | 491.832 | 253.696 | 328.679 | 0 | 0 |
| 11 | 492.748 | 253.826 | 389.575 | 0 | 0 |
| 12 | 493.664 | 253.969 | 451.947 | 0 | 0 |
| 13 | 494.58 | 254.125 | 514.864 | 0 | 0 |
| 14 | 495.496 | 254.293 | 577.453 | 0 | 0 |
| 15 | 496.412 | 254.473 | 638.902 | 0 | 0 |
| 16 | 497.328 | 254.666 | 698.455 | 0 | 0 |
| 17 | 498.244 | 254.873 | 755.413 | 0 | 0 |
| 18 | 499.16 | 255.092 | 809.134 | 0 | 0 |
| 19 | 500.076 | 255.324 | 859.026 | 0 | 0 |
| 20 | 500.992 | 255.569 | 904.557 | 0 | 0 |
| 21 | 501.908 | 255.828 | 945.242 | 0 | 0 |
| 22 | 502.824 | 256.1 | 980.654 | 0 | 0 |
| 23 | 503.739 | 256.385 | 1010.42 | 0 | 0 |
| 24 | 504.655 | 256.685 | 1034.21 | 0 | 0 |
| 25 | 505.571 | 256.999 | 1051.75 | 0 | 0 |
| 26 | 506.487 | 257.327 | 1062.84 | 0 | 0 |
| 27 | 507.403 | 257.669 | 1067.3 | 0 | 0 |
| 28 | 508.319 | 258.026 | 1065.02 | 0 | 0 |
| 29 | 509.235 | 258.398 | 1055.96 | 0 | 0 |
| 30 | 510.151 | 258.785 | 1040.11 | 0 | 0 |
| 31 | 511.067 | 259.187 | 1017.54 | 0 | 0 |
| 32 | 511.983 | 259.606 | 988.365 | 0 | 0 |
| 33 | 512.899 | 260.04 | 952.761 | 0 | 0 |
| 34 | 513.815 | 260.49 | 911.074 | 0 | 0 |
| 35 | 514.731 | 260.958 | 863.817 | 0 | 0 |
| 36 | 515.646 | 261.442 | 811.449 | 0 | 0 |
| 37 | 516.562 | 261.944 | 754.497 | 0 | 0 |
| 38 | 517.478 | 262.464 | 693.566 | 0 | 0 |
| 39 | 518.394 | 263.003 | 629.337 | 0 | 0 |
| 40 | 519.31 | 263.56 | 562.576 | 0 | 0 |
| 41 | 520.226 | 264.137 | 494.139 | 0 | 0 |
| 42 | 521.142 | 264.734 | 424.976 | 0 | 0 |
| 43 | 522.058 | 265.351 | 356.135 | 0 | 0 |
| 44 | 522.974 | 265.99 | 288.777 | 0 | 0 |
| 45 | 523.89 | 266.651 | 224.175 | 0 | 0 |
| 46 | 524.806 | 267.335 | 163.73 | 0 | 0 |
| 47 | 525.722 | 268.042 | 108.978 | 0 | 0 |
| 48 | 526.638 | 268.774 | 61.9305 | 0 | 0 |
| 49 | 527.553 | 269.532 | 25.4732 | 0 | 0 |
| 50 | 528.469 | 270.316 | 1.84171 | 0 | 0 |
| 51 | 529.385 | 271.128 | 0 | 0 | 0 |

## Cross Section E-E' - Master Scenario

### Global Minimum Query (bishop simplified) - Safety Factor: 0.771168

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 296.274 | 270.137 | 0 | 0 | 0 |
| 2 | 298.222 | 270.85 | 2.28785 | 0 | 0 |
| 3 | 300.17 | 271.569 | 8.84384 | 0 | 0 |
| 4 | 302.118 | 272.296 | 19.2264 | 0 | 0 |
| 5 | 304.066 | 273.031 | 33.0067 | 0 | 0 |
| 6 | 306.014 | 273.772 | 49.7689 | 0 | 0 |
| 7 | 307.962 | 274.521 | 69.8975 | 0 | 0 |
| 8 | 309.91 | 275.276 | 93.6646 | 0 | 0 |
| 9 | 311.858 | 276.04 | 120.556 | 0 | 0 |
| 10 | 313.806 | 276.81 | 150.07 | 0 | 0 |
| 11 | 315.754 | 277.588 | 181.48 | 0 | 0 |
| 12 | 317.702 | 278.373 | 212.105 | 0 | 0 |
| 13 | 319.65 | 279.165 | 241.227 | 0 | 0 |
| 14 | 321.598 | 279.965 | 268.742 | 0 | 0 |
| 15 | 323.546 | 280.773 | 294.561 | 0 | 0 |
| 16 | 325.494 | 281.587 | 318.606 | 0 | 0 |
| 17 | 327.442 | 282.41 | 340.814 | 0 | 0 |
| 18 | 329.39 | 283.24 | 361.138 | 0 | 0 |
| 19 | 331.338 | 284.077 | 379.543 | 0 | 0 |
| 20 | 333.286 | 284.922 | 396.009 | 0 | 0 |
| 21 | 335.234 | 285.775 | 410.53 | 0 | 0 |
| 22 | 337.182 | 286.635 | 423.116 | 0 | 0 |
| 23 | 339.13 | 287.503 | 433.792 | 0 | 0 |
| 24 | 341.078 | 288.379 | 442.915 | 0 | 0 |
| 25 | 343.026 | 289.262 | 450.62 | 0 | 0 |
| 26 | 344.974 | 290.154 | 456.768 | 0 | 0 |
| 27 | 346.923 | 291.053 | 461.23 | 0 | 0 |
| 28 | 348.871 | 291.96 | 463.894 | 0 | 0 |
| 29 | 350.819 | 292.875 | 464.677 | 0 | 0 |
| 30 | 352.767 | 293.798 | 463.411 | 0 | 0 |
| 31 | 354.715 | 294.729 | 459.888 | 0 | 0 |
| 32 | 356.663 | 295.668 | 453.916 | 0 | 0 |
| 33 | 358.611 | 296.615 | 445.317 | 0 | 0 |
| 34 | 360.559 | 297.57 | 433.93 | 0 | 0 |
| 35 | 362.507 | 298.533 | 419.609 | 0 | 0 |
| 36 | 364.455 | 299.504 | 402.221 | 0 | 0 |
| 37 | 366.403 | 300.484 | 381.652 | 0 | 0 |
| 38 | 368.351 | 301.472 | 357.62 | 0 | 0 |
| 39 | 370.299 | 302.468 | 329.392 | 0 | 0 |
| 40 | 372.247 | 303.473 | 296.685 | 0 | 0 |
| 41 | 374.195 | 304.486 | 259.27 | 0 | 0 |
| 42 | 376.143 | 305.507 | 217.852 | 0 | 0 |
| 43 | 378.091 | 306.537 | 176.666 | 0 | 0 |
| 44 | 380.039 | 307.576 | 136.847 | 0 | 0 |
| 45 | 381.987 | 308.623 | 99.0931 | 0 | 0 |
| 46 | 383.935 | 309.679 | 64.123 | 0 | 0 |
| 47 | 385.883 | 310.743 | 32.6746 | 0 | 0 |
| 48 | 387.831 | 311.816 | 5.50605 | 0 | 0 |
| 49 | 389.779 | 312.898 | -16.6041 | 0 | 0 |
| 50 | 391.727 | 313.989 | -32.8563 | 0 | 0 |
| 51 | 393.675 | 315.088 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.769353

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 296.274 | 270.137 | 0 | 0 | 0 |
| 2 | 298.222 | 270.85 | 2.32939 | 0 | 0 |
| 3 | 300.17 | 271.569 | 9.00879 | 0 | 0 |
| 4 | 302.118 | 272.296 | 19.5943 | 0 | 0 |
| 5 | 304.066 | 273.031 | 33.6547 | 0 | 0 |
| 6 | 306.014 | 273.772 | 50.7718 | 0 | 0 |
| 7 | 307.962 | 274.521 | 71.3452 | 0 | 0 |
| 8 | 309.91 | 275.276 | 95.6616 | 0 | 0 |
| 9 | 311.858 | 276.04 | 123.204 | 0 | 0 |
| 10 | 313.806 | 276.81 | 153.469 | 0 | 0 |
| 11 | 315.754 | 277.588 | 185.72 | 0 | 0 |
| 12 | 317.702 | 278.373 | 217.212 | 0 | 0 |
| 13 | 319.65 | 279.165 | 247.209 | 0 | 0 |
| 14 | 321.598 | 279.965 | 275.603 | 0 | 0 |
| 15 | 323.546 | 280.773 | 302.302 | 0 | 0 |
| 16 | 325.494 | 281.587 | 327.228 | 0 | 0 |
| 17 | 327.442 | 282.41 | 350.314 | 0 | 0 |
| 18 | 329.39 | 283.24 | 371.512 | 0 | 0 |
| 19 | 331.338 | 284.077 | 390.783 | 0 | 0 |
| 20 | 333.286 | 284.922 | 408.106 | 0 | 0 |
| 21 | 335.234 | 285.775 | 423.472 | 0 | 0 |
| 22 | 337.182 | 286.635 | 436.889 | 0 | 0 |
| 23 | 339.13 | 287.503 | 448.379 | 0 | 0 |
| 24 | 341.078 | 288.379 | 458.325 | 0 | 0 |
| 25 | 343.026 | 289.262 | 466.885 | 0 | 0 |
| 26 | 344.974 | 290.154 | 473.913 | 0 | 0 |
| 27 | 346.923 | 291.053 | 479.28 | 0 | 0 |
| 28 | 348.871 | 291.96 | 482.873 | 0 | 0 |
| 29 | 350.819 | 292.875 | 484.618 | 0 | 0 |
| 30 | 352.767 | 293.798 | 484.366 | 0 | 0 |
| 31 | 354.715 | 294.729 | 481.906 | 0 | 0 |
| 32 | 356.663 | 295.668 | 477.044 | 0 | 0 |
| 33 | 358.611 | 296.615 | 469.599 | 0 | 0 |
| 34 | 360.559 | 297.57 | 459.407 | 0 | 0 |
| 35 | 362.507 | 298.533 | 446.319 | 0 | 0 |
| 36 | 364.455 | 299.504 | 430.202 | 0 | 0 |
| 37 | 366.403 | 300.484 | 410.938 | 0 | 0 |
| 38 | 368.351 | 301.472 | 388.252 | 0 | 0 |
| 39 | 370.299 | 302.468 | 361.439 | 0 | 0 |
| 40 | 372.247 | 303.473 | 330.216 | 0 | 0 |
| 41 | 374.195 | 304.486 | 294.351 | 0 | 0 |
| 42 | 376.143 | 305.507 | 254.513 | 0 | 0 |
| 43 | 378.091 | 306.537 | 214.78 | 0 | 0 |
| 44 | 380.039 | 307.576 | 176.27 | 0 | 0 |
| 45 | 381.987 | 308.623 | 139.677 | 0 | 0 |
| 46 | 383.935 | 309.679 | 105.716 | 0 | 0 |
| 47 | 385.883 | 310.743 | 75.1233 | 0 | 0 |
| 48 | 387.831 | 311.816 | 48.6539 | 0 | 0 |
| 49 | 389.779 | 312.898 | 27.0833 | 0 | 0 |
| 50 | 391.727 | 313.989 | 11.2082 | 0 | 0 |
| 51 | 393.675 | 315.088 | 0 | 0 | 0 |

# Cross Section E-E' - Seismic

## Global Minimum Query (bishop simplified) - Safety Factor: 0.46377

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 296.274 | 270.137 | 0 | 0 | 0 |
| 2 | 298.222 | 270.85 | 2.3721 | 0 | 0 |
| 3 | 300.17 | 271.569 | 9.15532 | 0 | 0 |
| 4 | 302.118 | 272.296 | 19.8741 | 0 | 0 |
| 5 | 304.066 | 273.031 | 34.0677 | 0 | 0 |
| 6 | 306.014 | 273.772 | 51.2902 | 0 | 0 |
| 7 | 307.962 | 274.521 | 71.9175 | 0 | 0 |
| 8 | 309.91 | 275.276 | 96.2058 | 0 | 0 |
| 9 | 311.858 | 276.04 | 123.605 | 0 | 0 |
| 10 | 313.806 | 276.81 | 153.579 | 0 | 0 |
| 11 | 315.754 | 277.588 | 185.365 | 0 | 0 |
| 12 | 317.702 | 278.373 | 216.24 | 0 | 0 |
| 13 | 319.65 | 279.165 | 245.476 | 0 | 0 |
| 14 | 321.598 | 279.965 | 272.969 | 0 | 0 |
| 15 | 323.546 | 280.773 | 298.632 | 0 | 0 |
| 16 | 325.494 | 281.587 | 322.39 | 0 | 0 |
| 17 | 327.442 | 282.41 | 344.184 | 0 | 0 |
| 18 | 329.39 | 283.24 | 363.971 | 0 | 0 |
| 19 | 331.338 | 284.077 | 381.723 | 0 | 0 |
| 20 | 333.286 | 284.922 | 397.425 | 0 | 0 |
| 21 | 335.234 | 285.775 | 411.081 | 0 | 0 |
| 22 | 337.182 | 286.635 | 422.708 | 0 | 0 |
| 23 | 339.13 | 287.503 | 432.34 | 0 | 0 |
| 24 | 341.078 | 288.379 | 440.303 | 0 | 0 |
| 25 | 343.026 | 289.262 | 446.705 | 0 | 0 |
| 26 | 344.974 | 290.154 | 451.402 | 0 | 0 |
| 27 | 346.923 | 291.053 | 454.269 | 0 | 0 |
| 28 | 348.871 | 291.96 | 455.195 | 0 | 0 |
| 29 | 350.819 | 292.875 | 454.07 | 0 | 0 |
| 30 | 352.767 | 293.798 | 450.686 | 0 | 0 |
| 31 | 354.715 | 294.729 | 444.835 | 0 | 0 |
| 32 | 356.663 | 295.668 | 436.322 | 0 | 0 |
| 33 | 358.611 | 296.615 | 424.972 | 0 | 0 |
| 34 | 360.559 | 297.57 | 410.623 | 0 | 0 |
| 35 | 362.507 | 298.533 | 393.131 | 0 | 0 |
| 36 | 364.455 | 299.504 | 372.371 | 0 | 0 |
| 37 | 366.403 | 300.484 | 348.231 | 0 | 0 |
| 38 | 368.351 | 301.472 | 320.406 | 0 | 0 |
| 39 | 370.299 | 302.468 | 288.08 | 0 | 0 |
| 40 | 372.247 | 303.473 | 250.968 | 0 | 0 |
| 41 | 374.195 | 304.486 | 208.841 | 0 | 0 |
| 42 | 376.143 | 305.507 | 162.519 | 0 | 0 |
| 43 | 378.091 | 306.537 | 116.726 | 0 | 0 |
| 44 | 380.039 | 307.576 | 72.6806 | 0 | 0 |
| 45 | 381.987 | 308.623 | 31.1134 | 0 | 0 |
| 46 | 383.935 | 309.679 | -7.22833 | 0 | 0 |
| 47 | 385.883 | 310.743 | -41.5779 | 0 | 0 |
| 48 | 387.831 | 311.816 | -71.1494 | 0 | 0 |
| 49 | 389.779 | 312.898 | -95.1376 | 0 | 0 |
| 50 | 391.727 | 313.989 | -112.718 | 0 | 0 |
| 51 | 393.675 | 315.088 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.46188

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 296.274 | 270.137 | 0 | 0 | 0 |
| 2 | 298.222 | 270.85 | 2.44442 | 0 | 0 |
| 3 | 300.17 | 271.569 | 9.44216 | 0 | 0 |
| 4 | 302.118 | 272.296 | 20.5132 | 0 | 0 |
| 5 | 304.066 | 273.031 | 35.1922 | 0 | 0 |
| 6 | 306.014 | 273.772 | 53.0289 | 0 | 0 |
| 7 | 307.962 | 274.521 | 74.4248 | 0 | 0 |
| 8 | 309.91 | 275.276 | 99.6605 | 0 | 0 |
| 9 | 311.858 | 276.04 | 128.181 | 0 | 0 |
| 10 | 313.806 | 276.81 | 159.447 | 0 | 0 |
| 11 | 315.754 | 277.588 | 192.679 | 0 | 0 |
| 12 | 317.702 | 278.373 | 225.04 | 0 | 0 |
| 13 | 319.65 | 279.165 | 255.773 | 0 | 0 |
| 14 | 321.598 | 279.965 | 284.768 | 0 | 0 |
| 15 | 323.546 | 280.773 | 311.935 | 0 | 0 |
| 16 | 325.494 | 281.587 | 337.194 | 0 | 0 |
| 17 | 327.442 | 282.41 | 360.483 | 0 | 0 |
| 18 | 329.39 | 283.24 | 381.755 | 0 | 0 |
| 19 | 331.338 | 284.077 | 400.977 | 0 | 0 |
| 20 | 333.286 | 284.922 | 418.131 | 0 | 0 |
| 21 | 335.234 | 285.775 | 433.217 | 0 | 0 |
| 22 | 337.182 | 286.635 | 446.247 | 0 | 0 |
| 23 | 339.13 | 287.503 | 457.252 | 0 | 0 |
| 24 | 341.078 | 288.379 | 466.603 | 0 | 0 |
| 25 | 343.026 | 289.262 | 474.439 | 0 | 0 |
| 26 | 344.974 | 290.154 | 480.615 | 0 | 0 |
| 27 | 346.923 | 291.053 | 485 | 0 | 0 |
| 28 | 348.871 | 291.96 | 487.48 | 0 | 0 |
| 29 | 350.819 | 292.875 | 487.964 | 0 | 0 |
| 30 | 352.767 | 293.798 | 486.273 | 0 | 0 |
| 31 | 354.715 | 294.729 | 482.193 | 0 | 0 |
| 32 | 356.663 | 295.668 | 475.526 | 0 | 0 |
| 33 | 358.611 | 296.615 | 466.092 | 0 | 0 |
| 34 | 360.559 | 297.57 | 453.725 | 0 | 0 |
| 35 | 362.507 | 298.533 | 438.278 | 0 | 0 |
| 36 | 364.455 | 299.504 | 419.619 | 0 | 0 |
| 37 | 366.403 | 300.484 | 397.632 | 0 | 0 |
| 38 | 368.351 | 301.472 | 372.026 | 0 | 0 |
| 39 | 370.299 | 302.468 | 342.03 | 0 | 0 |
| 40 | 372.247 | 303.473 | 307.358 | 0 | 0 |
| 41 | 374.195 | 304.486 | 267.776 | 0 | 0 |
| 42 | 376.143 | 305.507 | 224.041 | 0 | 0 |
| 43 | 378.091 | 306.537 | 180.626 | 0 | 0 |
| 44 | 380.039 | 307.576 | 138.719 | 0 | 0 |
| 45 | 381.987 | 308.623 | 99.0443 | 0 | 0 |
| 46 | 383.935 | 309.679 | 62.3466 | 0 | 0 |
| 47 | 385.883 | 310.743 | 29.3885 | 0 | 0 |
| 48 | 387.831 | 311.816 | 0.95197 | 0 | 0 |
| 49 | 389.779 | 312.898 | -22.1616 | 0 | 0 |
| 50 | 391.727 | 313.989 | -39.1313 | 0 | 0 |
| 51 | 393.675 | 315.088 | 0 | 0 | 0 |

# Cross Section F-F' - Master Scenario

## Global Minimum Query (bishop simplified) - Safety Factor: 1.67852

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 67.8486 | 286.891 | 0 | 0 | 0 |
| 2 | 70.2327 | 287.37 | 223.581 | 0 | 0 |
| 3 | 72.6169 | 287.877 | 484.806 | 0 | 0 |
| 4 | 75.001 | 288.412 | 777.875 | 0 | 0 |
| 5 | 77.3852 | 288.976 | 1106.52 | 0 | 0 |
| 6 | 79.7694 | 289.568 | 1473.17 | 0 | 0 |
| 7 | 82.1535 | 290.188 | 1870.86 | 0 | 0 |
| 8 | 84.5377 | 290.838 | 2292.92 | 0 | 0 |
| 9 | 86.9218 | 291.516 | 2732.97 | 0 | 0 |
| 10 | 89.306 | 292.225 | 3184.96 | 0 | 0 |
| 11 | 91.6901 | 292.963 | 3643.11 | 0 | 0 |
| 12 | 94.0743 | 293.731 | 4103.45 | 0 | 0 |
| 13 | 96.4585 | 294.529 | 4570.44 | 0 | 0 |
| 14 | 98.8426 | 295.359 | 5038.67 | 0 | 0 |
| 15 | 101.227 | 296.22 | 5500.83 | 0 | 0 |
| 16 | 103.611 | 297.112 | 5949.93 | 0 | 0 |
| 17 | 105.995 | 298.036 | 6379.24 | 0 | 0 |
| 18 | 108.379 | 298.993 | 6782.74 | 0 | 0 |
| 19 | 110.763 | 299.983 | 7155.43 | 0 | 0 |
| 20 | 113.148 | 301.006 | 7490.74 | 0 | 0 |
| 21 | 115.532 | 302.063 | 7782.23 | 0 | 0 |
| 22 | 117.916 | 303.154 | 8023.74 | 0 | 0 |
| 23 | 120.3 | 304.281 | 8209.45 | 0 | 0 |
| 24 | 122.684 | 305.443 | 8336.44 | 0 | 0 |
| 25 | 125.068 | 306.641 | 8405.73 | 0 | 0 |
| 26 | 127.453 | 307.877 | 8418.22 | 0 | 0 |
| 27 | 129.837 | 309.15 | 8375.2 | 0 | 0 |
| 28 | 132.221 | 310.462 | 8278.42 | 0 | 0 |
| 29 | 134.605 | 311.812 | 8130.06 | 0 | 0 |
| 30 | 136.989 | 313.203 | 7932.78 | 0 | 0 |
| 31 | 139.373 | 314.635 | 7689.73 | 0 | 0 |
| 32 | 141.757 | 316.109 | 7404.59 | 0 | 0 |
| 33 | 144.142 | 317.626 | 7077.65 | 0 | 0 |
| 34 | 146.526 | 319.187 | 6707.67 | 0 | 0 |
| 35 | 148.91 | 320.793 | 6298.97 | 0 | 0 |
| 36 | 151.294 | 322.446 | 5855.93 | 0 | 0 |
| 37 | 153.678 | 324.146 | 5383.61 | 0 | 0 |
| 38 | 156.062 | 325.895 | 4887.81 | 0 | 0 |
| 39 | 158.447 | 327.695 | 4375.08 | 0 | 0 |
| 40 | 160.831 | 329.548 | 3852.48 | 0 | 0 |
| 41 | 163.215 | 331.454 | 3324.16 | 0 | 0 |
| 42 | 165.599 | 333.416 | 2797.53 | 0 | 0 |
| 43 | 167.926 | 335.386 | 2040.82 | 0 | 0 |
| 44 | 170.252 | 337.413 | 1300.86 | 0 | 0 |
| 45 | 172.579 | 339.5 | 588.237 | 0 | 0 |
| 46 | 174.906 | 341.648 | -85.2557 | 0 | 0 |
| 47 | 177.232 | 343.86 | -706.256 | 0 | 0 |
| 48 | 179.559 | 346.138 | -1224.82 | 0 | 0 |
| 49 | 181.885 | 348.487 | -1596.18 | 0 | 0 |
| 50 | 184.212 | 350.908 | -1796.84 | 0 | 0 |
| 51 | 186.539 | 353.407 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.61665

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 63.519 | 285.008 | 0 | 0 | 0 |
| 2 | 65.9627 | 285.233 | 268.389 | 0 | 0 |
| 3 | 68.4063 | 285.494 | 626.805 | 0 | 0 |
| 4 | 70.85 | 285.791 | 1062.97 | 0 | 0 |
| 5 | 73.2936 | 286.124 | 1565.24 | 0 | 0 |
| 6 | 75.7373 | 286.494 | 2123.92 | 0 | 0 |
| 7 | 78.1809 | 286.9 | 2747.96 | 0 | 0 |
| 8 | 80.6246 | 287.343 | 3431.62 | 0 | 0 |
| 9 | 83.0682 | 287.824 | 4162.68 | 0 | 0 |
| 10 | 85.5119 | 288.342 | 4929.51 | 0 | 0 |
| 11 | 87.9556 | 288.898 | 5721.05 | 0 | 0 |
| 12 | 90.3992 | 289.492 | 6526.8 | 0 | 0 |
| 13 | 92.8429 | 290.125 | 7336.8 | 0 | 0 |
| 14 | 95.2865 | 290.797 | 8151.54 | 0 | 0 |
| 15 | 97.7302 | 291.509 | 8972.05 | 0 | 0 |
| 16 | 100.174 | 292.261 | 9786.23 | 0 | 0 |
| 17 | 102.617 | 293.054 | 10582.4 | 0 | 0 |
| 18 | 105.061 | 293.888 | 11349.6 | 0 | 0 |
| 19 | 107.505 | 294.764 | 12077.2 | 0 | 0 |
| 20 | 109.948 | 295.683 | 12757.8 | 0 | 0 |
| 21 | 112.392 | 296.645 | 13381.8 | 0 | 0 |
| 22 | 114.836 | 297.652 | 13939.1 | 0 | 0 |
| 23 | 117.279 | 298.703 | 14419.6 | 0 | 0 |
| 24 | 119.723 | 299.801 | 14814.2 | 0 | 0 |
| 25 | 122.167 | 300.946 | 15113 | 0 | 0 |
| 26 | 124.61 | 302.139 | 15311.5 | 0 | 0 |
| 27 | 127.054 | 303.381 | 15409.9 | 0 | 0 |
| 28 | 129.498 | 304.674 | 15409.2 | 0 | 0 |
| 29 | 131.941 | 306.019 | 15311.1 | 0 | 0 |
| 30 | 134.385 | 307.417 | 15117.9 | 0 | 0 |
| 31 | 136.829 | 308.869 | 14832.9 | 0 | 0 |
| 32 | 139.272 | 310.379 | 14460.3 | 0 | 0 |
| 33 | 141.716 | 311.946 | 14005.2 | 0 | 0 |
| 34 | 144.16 | 313.574 | 13469.3 | 0 | 0 |
| 35 | 146.603 | 315.264 | 12852.6 | 0 | 0 |
| 36 | 149.047 | 317.019 | 12161.8 | 0 | 0 |
| 37 | 151.491 | 318.841 | 11404.1 | 0 | 0 |
| 38 | 153.934 | 320.733 | 10588 | 0 | 0 |
| 39 | 156.378 | 322.698 | 9723.58 | 0 | 0 |
| 40 | 158.822 | 324.74 | 8822.69 | 0 | 0 |
| 41 | 161.265 | 326.861 | 7898.03 | 0 | 0 |
| 42 | 163.709 | 329.067 | 6959.79 | 0 | 0 |
| 43 | 166.153 | 331.362 | 6024.23 | 0 | 0 |
| 44 | 168.596 | 333.75 | 5110.99 | 0 | 0 |
| 45 | 170.956 | 336.151 | 3969.28 | 0 | 0 |
| 46 | 173.316 | 338.651 | 2885.71 | 0 | 0 |
| 47 | 175.676 | 341.256 | 1886.07 | 0 | 0 |
| 48 | 178.036 | 343.974 | 1007.27 | 0 | 0 |
| 49 | 180.396 | 346.814 | 343.243 | 0 | 0 |
| 50 | 182.756 | 349.785 | -45.5788 | 0 | 0 |
| 51 | 185.116 | 352.899 | 0 | 0 | 0 |

# Cross Section F-F' - Seismic

## Global Minimum Query (bishop simplified) - Safety Factor: 1.07684

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 67.2803 | 286.644 | 0 | 0 | 0 |
| 2 | 69.7294 | 287.121 | 332.133 | 0 | 0 |
| 3 | 72.1785 | 287.626 | 702.514 | 0 | 0 |
| 4 | 74.6276 | 288.161 | 1104.44 | 0 | 0 |
| 5 | 77.0767 | 288.724 | 1538.2 | 0 | 0 |
| 6 | 79.5257 | 289.316 | 2007.72 | 0 | 0 |
| 7 | 81.9748 | 289.938 | 2505.25 | 0 | 0 |
| 8 | 84.4239 | 290.589 | 3023.21 | 0 | 0 |
| 9 | 86.873 | 291.271 | 3554.42 | 0 | 0 |
| 10 | 89.3221 | 291.982 | 4092.12 | 0 | 0 |
| 11 | 91.7712 | 292.724 | 4629.92 | 0 | 0 |
| 12 | 94.2203 | 293.497 | 5163.43 | 0 | 0 |
| 13 | 96.6694 | 294.301 | 5695.06 | 0 | 0 |
| 14 | 99.1185 | 295.137 | 6218.05 | 0 | 0 |
| 15 | 101.568 | 296.004 | 6724.44 | 0 | 0 |
| 16 | 104.017 | 296.904 | 7206.66 | 0 | 0 |
| 17 | 106.466 | 297.836 | 7657.51 | 0 | 0 |
| 18 | 108.915 | 298.802 | 8070.58 | 0 | 0 |
| 19 | 111.364 | 299.801 | 8439.54 | 0 | 0 |
| 20 | 113.813 | 300.834 | 8757.35 | 0 | 0 |
| 21 | 116.262 | 301.902 | 9017.31 | 0 | 0 |
| 22 | 118.711 | 303.005 | 9213.12 | 0 | 0 |
| 23 | 121.16 | 304.144 | 9339.85 | 0 | 0 |
| 24 | 123.609 | 305.32 | 9401.52 | 0 | 0 |
| 25 | 126.058 | 306.532 | 9400.39 | 0 | 0 |
| 26 | 128.508 | 307.782 | 9337.99 | 0 | 0 |
| 27 | 130.957 | 309.07 | 9216.26 | 0 | 0 |
| 28 | 133.406 | 310.398 | 9037.61 | 0 | 0 |
| 29 | 135.855 | 311.765 | 8804.94 | 0 | 0 |
| 30 | 138.304 | 313.173 | 8521.62 | 0 | 0 |
| 31 | 140.753 | 314.623 | 8191.54 | 0 | 0 |
| 32 | 143.202 | 316.116 | 7817.72 | 0 | 0 |
| 33 | 145.651 | 317.653 | 7395.95 | 0 | 0 |
| 34 | 148.1 | 319.234 | 6929.93 | 0 | 0 |
| 35 | 150.549 | 320.861 | 6424.19 | 0 | 0 |
| 36 | 152.998 | 322.535 | 5883.87 | 0 | 0 |
| 37 | 155.447 | 324.257 | 5314.77 | 0 | 0 |
| 38 | 157.897 | 326.03 | 4723.42 | 0 | 0 |
| 39 | 160.346 | 327.854 | 4117.05 | 0 | 0 |
| 40 | 162.795 | 329.73 | 3499.85 | 0 | 0 |
| 41 | 165.244 | 331.662 | 2877.93 | 0 | 0 |
| 42 | 167.693 | 333.649 | 2260.5 | 0 | 0 |
| 43 | 170.154 | 335.706 | 1301.39 | 0 | 0 |
| 44 | 172.616 | 337.824 | 364.791 | 0 | 0 |
| 45 | 175.077 | 340.006 | -537.136 | 0 | 0 |
| 46 | 177.539 | 342.253 | -1389.39 | 0 | 0 |
| 47 | 180 | 344.569 | -2130.88 | 0 | 0 |
| 48 | 182.462 | 346.958 | -2719.69 | 0 | 0 |
| 49 | 184.923 | 349.421 | -3132.24 | 0 | 0 |
| 50 | 187.385 | 351.963 | -3342.91 | 0 | 0 |
| 51 | 189.846 | 354.588 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.029

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 64.1143 | 285.267 | 0 | 0 | 0 |
| 2 | 66.6221 | 285.479 | 404.403 | 0 | 0 |
| 3 | 69.1299 | 285.728 | 911.113 | 0 | 0 |
| 4 | 71.6376 | 286.014 | 1504.85 | 0 | 0 |
| 5 | 74.1454 | 286.336 | 2171.27 | 0 | 0 |
| 6 | 76.6532 | 286.696 | 2903.93 | 0 | 0 |
| 7 | 79.161 | 287.094 | 3711.39 | 0 | 0 |
| 8 | 81.6687 | 287.529 | 4580.07 | 0 | 0 |
| 9 | 84.1765 | 288.002 | 5495.38 | 0 | 0 |
| 10 | 86.6843 | 288.514 | 6443.56 | 0 | 0 |
| 11 | 89.1921 | 289.065 | 7411.67 | 0 | 0 |
| 12 | 91.6998 | 289.654 | 8387.54 | 0 | 0 |
| 13 | 94.2076 | 290.283 | 9362.74 | 0 | 0 |
| 14 | 96.7154 | 290.952 | 10343.6 | 0 | 0 |
| 15 | 99.2232 | 291.662 | 11319.1 | 0 | 0 |
| 16 | 101.731 | 292.412 | 12275.6 | 0 | 0 |
| 17 | 104.239 | 293.204 | 13200 | 0 | 0 |
| 18 | 106.746 | 294.039 | 14080.1 | 0 | 0 |
| 19 | 109.254 | 294.915 | 14906.1 | 0 | 0 |
| 20 | 111.762 | 295.836 | 15668.6 | 0 | 0 |
| 21 | 114.27 | 296.8 | 16356 | 0 | 0 |
| 22 | 116.778 | 297.81 | 16957.2 | 0 | 0 |
| 23 | 119.285 | 298.866 | 17462.1 | 0 | 0 |
| 24 | 121.793 | 299.968 | 17860.3 | 0 | 0 |
| 25 | 124.301 | 301.118 | 18146.3 | 0 | 0 |
| 26 | 126.809 | 302.317 | 18320.3 | 0 | 0 |
| 27 | 129.316 | 303.566 | 18383.5 | 0 | 0 |
| 28 | 131.824 | 304.866 | 18337.7 | 0 | 0 |
| 29 | 134.332 | 306.218 | 18185.5 | 0 | 0 |
| 30 | 136.84 | 307.624 | 17930.4 | 0 | 0 |
| 31 | 139.348 | 309.086 | 17576.7 | 0 | 0 |
| 32 | 141.855 | 310.605 | 17129.5 | 0 | 0 |
| 33 | 144.363 | 312.183 | 16589.9 | 0 | 0 |
| 34 | 146.871 | 313.822 | 15958 | 0 | 0 |
| 35 | 149.379 | 315.523 | 15240.2 | 0 | 0 |
| 36 | 151.886 | 317.29 | 14443.5 | 0 | 0 |
| 37 | 154.394 | 319.124 | 13576.2 | 0 | 0 |
| 38 | 156.902 | 321.029 | 12647.7 | 0 | 0 |
| 39 | 159.41 | 323.007 | 11669 | 0 | 0 |
| 40 | 161.918 | 325.062 | 10650.7 | 0 | 0 |
| 41 | 164.425 | 327.196 | 9601.95 | 0 | 0 |
| 42 | 166.933 | 329.415 | 8537.75 | 0 | 0 |
| 43 | 169.441 | 331.723 | 7475.54 | 0 | 0 |
| 44 | 171.949 | 334.124 | 6435.11 | 0 | 0 |
| 45 | 174.505 | 336.675 | 4996.67 | 0 | 0 |
| 46 | 177.062 | 339.335 | 3624.48 | 0 | 0 |
| 47 | 179.619 | 342.112 | 2392.15 | 0 | 0 |
| 48 | 182.176 | 345.015 | 1380.19 | 0 | 0 |
| 49 | 184.733 | 348.054 | 636.63 | 0 | 0 |
| 50 | 187.29 | 351.241 | 215.913 | 0 | 0 |
| 51 | 189.846 | 354.588 | 0 | 0 | 0 |

# Cross Section G-G' - Master Scenario

## Global Minimum Query (bishop simplified) - Safety Factor: 1.4943

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 142.249 | 294.018 | 0 | 0 | 0 |
| 2 | 143.407 | 294.24 | 3.98259 | 0 | 0 |
| 3 | 144.565 | 294.476 | 15.168 | 0 | 0 |
| 4 | 145.724 | 294.726 | 33.6413 | 0 | 0 |
| 5 | 146.882 | 294.989 | 62.6535 | 0 | 0 |
| 6 | 148.04 | 295.267 | 101.08 | 0 | 0 |
| 7 | 149.198 | 295.558 | 147.421 | 0 | 0 |
| 8 | 150.356 | 295.864 | 200.247 | 0 | 0 |
| 9 | 151.514 | 296.184 | 258.199 | 0 | 0 |
| 10 | 152.672 | 296.519 | 319.987 | 0 | 0 |
| 11 | 153.83 | 296.868 | 384.388 | 0 | 0 |
| 12 | 154.989 | 297.231 | 450.25 | 0 | 0 |
| 13 | 156.147 | 297.61 | 518.432 | 0 | 0 |
| 14 | 157.305 | 298.004 | 589.513 | 0 | 0 |
| 15 | 158.463 | 298.413 | 661.975 | 0 | 0 |
| 16 | 159.621 | 298.837 | 734.369 | 0 | 0 |
| 17 | 160.779 | 299.277 | 805.316 | 0 | 0 |
| 18 | 161.937 | 299.733 | 873.504 | 0 | 0 |
| 19 | 163.095 | 300.205 | 937.695 | 0 | 0 |
| 20 | 164.254 | 300.693 | 996.716 | 0 | 0 |
| 21 | 165.397 | 301.191 | 1064.52 | 0 | 0 |
| 22 | 166.54 | 301.706 | 1124.45 | 0 | 0 |
| 23 | 167.684 | 302.238 | 1175.71 | 0 | 0 |
| 24 | 168.827 | 302.786 | 1217.6 | 0 | 0 |
| 25 | 169.97 | 303.352 | 1249.48 | 0 | 0 |
| 26 | 171.114 | 303.935 | 1270.8 | 0 | 0 |
| 27 | 172.257 | 304.536 | 1281.32 | 0 | 0 |
| 28 | 173.401 | 305.155 | 1281.02 | 0 | 0 |
| 29 | 174.544 | 305.793 | 1269.9 | 0 | 0 |
| 30 | 175.687 | 306.45 | 1248.04 | 0 | 0 |
| 31 | 176.831 | 307.126 | 1215.64 | 0 | 0 |
| 32 | 177.974 | 307.823 | 1173 | 0 | 0 |
| 33 | 179.117 | 308.54 | 1120.52 | 0 | 0 |
| 34 | 180.261 | 309.277 | 1058.69 | 0 | 0 |
| 35 | 181.404 | 310.036 | 987.119 | 0 | 0 |
| 36 | 182.548 | 310.817 | 905.872 | 0 | 0 |
| 37 | 183.691 | 311.62 | 815.561 | 0 | 0 |
| 38 | 184.834 | 312.447 | 716.943 | 0 | 0 |
| 39 | 185.978 | 313.298 | 610.925 | 0 | 0 |
| 40 | 187.121 | 314.173 | 498.583 | 0 | 0 |
| 41 | 188.264 | 315.074 | 381.287 | 0 | 0 |
| 42 | 189.408 | 316.001 | 263.731 | 0 | 0 |
| 43 | 190.551 | 316.955 | 149.498 | 0 | 0 |
| 44 | 191.695 | 317.938 | 41.0925 | 0 | 0 |
| 45 | 192.838 | 318.949 | -58.7163 | 0 | 0 |
| 46 | 193.981 | 319.992 | -146.869 | 0 | 0 |
| 47 | 195.125 | 321.065 | -219.988 | 0 | 0 |
| 48 | 196.268 | 322.172 | -274.346 | 0 | 0 |
| 49 | 197.411 | 323.314 | -305.827 | 0 | 0 |
| 50 | 198.555 | 324.492 | -309.299 | 0 | 0 |
| 51 | 199.698 | 325.708 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.45038

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 143.906 | 294.609 | 0 | 0 | 0 |
| 2 | 144.934 | 294.711 | 6.82194 | 0 | 0 |
| 3 | 145.961 | 294.828 | 29.2734 | 0 | 0 |
| 4 | 146.989 | 294.959 | 69.2306 | 0 | 0 |
| 5 | 148.016 | 295.106 | 124.464 | 0 | 0 |
| 6 | 149.044 | 295.267 | 192.833 | 0 | 0 |
| 7 | 150.071 | 295.444 | 272.3 | 0 | 0 |
| 8 | 151.099 | 295.636 | 360.929 | 0 | 0 |
| 9 | 152.126 | 295.844 | 456.876 | 0 | 0 |
| 10 | 153.154 | 296.067 | 558.395 | 0 | 0 |
| 11 | 154.181 | 296.306 | 663.828 | 0 | 0 |
| 12 | 155.209 | 296.561 | 771.711 | 0 | 0 |
| 13 | 156.236 | 296.832 | 883.538 | 0 | 0 |
| 14 | 157.264 | 297.119 | 998.859 | 0 | 0 |
| 15 | 158.291 | 297.423 | 1115.79 | 0 | 0 |
| 16 | 159.319 | 297.743 | 1232.54 | 0 | 0 |
| 17 | 160.346 | 298.081 | 1347.4 | 0 | 0 |
| 18 | 161.374 | 298.435 | 1458.74 | 0 | 0 |
| 19 | 162.401 | 298.807 | 1565.04 | 0 | 0 |
| 20 | 163.429 | 299.197 | 1664.83 | 0 | 0 |
| 21 | 164.456 | 299.604 | 1756.75 | 0 | 0 |
| 22 | 165.484 | 300.031 | 1839.53 | 0 | 0 |
| 23 | 166.511 | 300.475 | 1911.97 | 0 | 0 |
| 24 | 167.539 | 300.939 | 1972.96 | 0 | 0 |
| 25 | 168.574 | 301.426 | 2030.15 | 0 | 0 |
| 26 | 169.61 | 301.934 | 2073.4 | 0 | 0 |
| 27 | 170.645 | 302.462 | 2102.02 | 0 | 0 |
| 28 | 171.68 | 303.012 | 2115.49 | 0 | 0 |
| 29 | 172.715 | 303.583 | 2113.67 | 0 | 0 |
| 30 | 173.751 | 304.177 | 2096.56 | 0 | 0 |
| 31 | 174.786 | 304.793 | 2064.24 | 0 | 0 |
| 32 | 175.821 | 305.434 | 2016.96 | 0 | 0 |
| 33 | 176.857 | 306.099 | 1955.11 | 0 | 0 |
| 34 | 177.892 | 306.789 | 1879.24 | 0 | 0 |
| 35 | 178.927 | 307.506 | 1790.08 | 0 | 0 |
| 36 | 179.962 | 308.25 | 1688.55 | 0 | 0 |
| 37 | 180.998 | 309.022 | 1574.99 | 0 | 0 |
| 38 | 182.033 | 309.823 | 1449.61 | 0 | 0 |
| 39 | 183.068 | 310.656 | 1313.67 | 0 | 0 |
| 40 | 184.104 | 311.52 | 1168.65 | 0 | 0 |
| 41 | 185.139 | 312.418 | 1016.37 | 0 | 0 |
| 42 | 186.174 | 313.351 | 858.958 | 0 | 0 |
| 43 | 187.21 | 314.321 | 698.909 | 0 | 0 |
| 44 | 188.245 | 315.331 | 539.294 | 0 | 0 |
| 45 | 189.28 | 316.382 | 387.425 | 0 | 0 |
| 46 | 190.315 | 317.478 | 249.583 | 0 | 0 |
| 47 | 191.351 | 318.621 | 131.174 | 0 | 0 |
| 48 | 192.386 | 319.815 | 38.4009 | 0 | 0 |
| 49 | 193.421 | 321.064 | -21.5965 | 0 | 0 |
| 50 | 194.457 | 322.372 | -40.5621 | 0 | 0 |
| 51 | 195.492 | 323.746 | 0 | 0 | 0 |

# Cross Section G-G' - Seismic

## Global Minimum Query (bishop simplified) - Safety Factor: 0.950407

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 140.04 | 293.228 | 0 | 0 | 0 |
| 2 | 141.295 | 293.455 | 5.49754 | 0 | 0 |
| 3 | 142.55 | 293.696 | 20.8803 | 0 | 0 |
| 4 | 143.806 | 293.953 | 44.5104 | 0 | 0 |
| 5 | 145.061 | 294.224 | 74.8687 | 0 | 0 |
| 6 | 146.316 | 294.511 | 114.51 | 0 | 0 |
| 7 | 147.572 | 294.814 | 164.81 | 0 | 0 |
| 8 | 148.827 | 295.132 | 223.782 | 0 | 0 |
| 9 | 150.082 | 295.465 | 289.554 | 0 | 0 |
| 10 | 151.338 | 295.815 | 360.359 | 0 | 0 |
| 11 | 152.593 | 296.181 | 434.543 | 0 | 0 |
| 12 | 153.849 | 296.563 | 510.554 | 0 | 0 |
| 13 | 155.104 | 296.961 | 586.963 | 0 | 0 |
| 14 | 156.359 | 297.375 | 664.948 | 0 | 0 |
| 15 | 157.615 | 297.807 | 744.506 | 0 | 0 |
| 16 | 158.87 | 298.255 | 823.737 | 0 | 0 |
| 17 | 160.125 | 298.721 | 900.85 | 0 | 0 |
| 18 | 161.381 | 299.204 | 974.157 | 0 | 0 |
| 19 | 162.636 | 299.705 | 1042.08 | 0 | 0 |
| 20 | 163.892 | 300.223 | 1103.14 | 0 | 0 |
| 21 | 165.147 | 300.76 | 1155.96 | 0 | 0 |
| 22 | 166.367 | 301.299 | 1222.7 | 0 | 0 |
| 23 | 167.586 | 301.856 | 1278.45 | 0 | 0 |
| 24 | 168.806 | 302.431 | 1322.43 | 0 | 0 |
| 25 | 170.026 | 303.025 | 1353.99 | 0 | 0 |
| 26 | 171.245 | 303.637 | 1372.55 | 0 | 0 |
| 27 | 172.465 | 304.268 | 1378.11 | 0 | 0 |
| 28 | 173.685 | 304.918 | 1370.8 | 0 | 0 |
| 29 | 174.904 | 305.588 | 1350.72 | 0 | 0 |
| 30 | 176.124 | 306.279 | 1318.05 | 0 | 0 |
| 31 | 177.344 | 306.99 | 1273.1 | 0 | 0 |
| 32 | 178.563 | 307.722 | 1216.33 | 0 | 0 |
| 33 | 179.783 | 308.475 | 1148.28 | 0 | 0 |
| 34 | 181.003 | 309.251 | 1069.05 | 0 | 0 |
| 35 | 182.222 | 310.05 | 978.031 | 0 | 0 |
| 36 | 183.442 | 310.872 | 875.85 | 0 | 0 |
| 37 | 184.662 | 311.717 | 763.302 | 0 | 0 |
| 38 | 185.881 | 312.588 | 641.343 | 0 | 0 |
| 39 | 187.101 | 313.483 | 511.098 | 0 | 0 |
| 40 | 188.321 | 314.405 | 374.054 | 0 | 0 |
| 41 | 189.54 | 315.354 | 235.578 | 0 | 0 |
| 42 | 190.76 | 316.33 | 99.4415 | 0 | 0 |
| 43 | 191.98 | 317.335 | -31.7664 | 0 | 0 |
| 44 | 193.2 | 318.37 | -155.208 | 0 | 0 |
| 45 | 194.419 | 319.436 | -267.773 | 0 | 0 |
| 46 | 195.639 | 320.534 | -366.06 | 0 | 0 |
| 47 | 196.859 | 321.666 | -446.345 | 0 | 0 |
| 48 | 198.078 | 322.832 | -504.543 | 0 | 0 |
| 49 | 199.298 | 324.035 | -533.101 | 0 | 0 |
| 50 | 200.518 | 325.276 | -524.334 | 0 | 0 |
| 51 | 201.737 | 326.557 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.919098

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 142.572 | 294.133 | 0 | 0 | 0 |
| 2 | 143.72 | 294.234 | 10.0934 | 0 | 0 |
| 3 | 144.867 | 294.352 | 38.4454 | 0 | 0 |
| 4 | 146.014 | 294.488 | 86.0762 | 0 | 0 |
| 5 | 147.161 | 294.64 | 155.605 | 0 | 0 |
| 6 | 148.308 | 294.81 | 243.754 | 0 | 0 |
| 7 | 149.455 | 294.998 | 347.377 | 0 | 0 |
| 8 | 150.602 | 295.203 | 463.514 | 0 | 0 |
| 9 | 151.749 | 295.426 | 589.387 | 0 | 0 |
| 10 | 152.896 | 295.667 | 722.393 | 0 | 0 |
| 11 | 154.044 | 295.926 | 860.093 | 0 | 0 |
| 12 | 155.191 | 296.203 | 1000.3 | 0 | 0 |
| 13 | 156.338 | 296.498 | 1144.65 | 0 | 0 |
| 14 | 157.485 | 296.813 | 1292.52 | 0 | 0 |
| 15 | 158.632 | 297.146 | 1441.22 | 0 | 0 |
| 16 | 159.779 | 297.498 | 1588.24 | 0 | 0 |
| 17 | 160.926 | 297.87 | 1731.2 | 0 | 0 |
| 18 | 162.073 | 298.262 | 1867.88 | 0 | 0 |
| 19 | 163.22 | 298.673 | 1996.22 | 0 | 0 |
| 20 | 164.368 | 299.105 | 2114.27 | 0 | 0 |
| 21 | 165.515 | 299.558 | 2220.27 | 0 | 0 |
| 22 | 166.662 | 300.032 | 2312.55 | 0 | 0 |
| 23 | 167.809 | 300.528 | 2389.62 | 0 | 0 |
| 24 | 168.956 | 301.045 | 2450.13 | 0 | 0 |
| 25 | 170.066 | 301.568 | 2504.58 | 0 | 0 |
| 26 | 171.177 | 302.112 | 2541.05 | 0 | 0 |
| 27 | 172.287 | 302.678 | 2559.13 | 0 | 0 |
| 28 | 173.398 | 303.267 | 2558.74 | 0 | 0 |
| 29 | 174.508 | 303.879 | 2539.91 | 0 | 0 |
| 30 | 175.619 | 304.515 | 2502.8 | 0 | 0 |
| 31 | 176.729 | 305.175 | 2447.73 | 0 | 0 |
| 32 | 177.839 | 305.861 | 2375.18 | 0 | 0 |
| 33 | 178.95 | 306.572 | 2285.81 | 0 | 0 |
| 34 | 180.06 | 307.311 | 2180.48 | 0 | 0 |
| 35 | 181.171 | 308.078 | 2059.24 | 0 | 0 |
| 36 | 182.281 | 308.873 | 1922.26 | 0 | 0 |
| 37 | 183.392 | 309.698 | 1770.64 | 0 | 0 |
| 38 | 184.502 | 310.555 | 1605.73 | 0 | 0 |
| 39 | 185.612 | 311.444 | 1429.16 | 0 | 0 |
| 40 | 186.723 | 312.367 | 1242.82 | 0 | 0 |
| 41 | 187.833 | 313.326 | 1048.92 | 0 | 0 |
| 42 | 188.944 | 314.322 | 852.074 | 0 | 0 |
| 43 | 190.054 | 315.357 | 659.31 | 0 | 0 |
| 44 | 191.165 | 316.434 | 474.844 | 0 | 0 |
| 45 | 192.275 | 317.555 | 303.346 | 0 | 0 |
| 46 | 193.385 | 318.722 | 150.08 | 0 | 0 |
| 47 | 194.496 | 319.94 | 20.9799 | 0 | 0 |
| 48 | 195.606 | 321.211 | -77.2385 | 0 | 0 |
| 49 | 196.717 | 322.54 | -136.956 | 0 | 0 |
| 50 | 197.827 | 323.931 | -149.487 | 0 | 0 |
| 51 | 198.938 | 325.391 | 0 | 0 | 0 |

## Cross Section H-H' - Master Scenario

### Global Minimum Query (bishop simplified) - Safety Factor: 1.02893

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 282.991 | 237.664 | 0 | 0 | 0 |
| 2 | 283.934 | 237.658 | 5.44266 | 0 | 0 |
| 3 | 284.877 | 237.666 | 20.8822 | 0 | 0 |
| 4 | 285.82 | 237.686 | 45.0423 | 0 | 0 |
| 5 | 286.763 | 237.718 | 76.7109 | 0 | 0 |
| 6 | 287.706 | 237.764 | 114.738 | 0 | 0 |
| 7 | 288.65 | 237.822 | 158.032 | 0 | 0 |
| 8 | 289.593 | 237.893 | 205.562 | 0 | 0 |
| 9 | 290.536 | 237.976 | 256.542 | 0 | 0 |
| 10 | 291.479 | 238.073 | 310.859 | 0 | 0 |
| 11 | 292.422 | 238.182 | 367.627 | 0 | 0 |
| 12 | 293.365 | 238.304 | 425.903 | 0 | 0 |
| 13 | 294.308 | 238.439 | 484.798 | 0 | 0 |
| 14 | 295.251 | 238.588 | 543.475 | 0 | 0 |
| 15 | 296.194 | 238.749 | 601.145 | 0 | 0 |
| 16 | 297.137 | 238.924 | 657.073 | 0 | 0 |
| 17 | 298.08 | 239.112 | 710.571 | 0 | 0 |
| 18 | 299.023 | 239.313 | 761.004 | 0 | 0 |
| 19 | 299.967 | 239.528 | 807.783 | 0 | 0 |
| 20 | 300.91 | 239.757 | 850.369 | 0 | 0 |
| 21 | 301.853 | 240 | 888.273 | 0 | 0 |
| 22 | 302.796 | 240.256 | 921.055 | 0 | 0 |
| 23 | 303.739 | 240.527 | 948.326 | 0 | 0 |
| 24 | 304.682 | 240.812 | 969.747 | 0 | 0 |
| 25 | 305.625 | 241.112 | 985.027 | 0 | 0 |
| 26 | 306.568 | 241.426 | 993.933 | 0 | 0 |
| 27 | 307.511 | 241.756 | 996.28 | 0 | 0 |
| 28 | 308.454 | 242.1 | 991.94 | 0 | 0 |
| 29 | 309.397 | 242.46 | 980.841 | 0 | 0 |
| 30 | 310.34 | 242.835 | 962.968 | 0 | 0 |
| 31 | 311.283 | 243.227 | 938.364 | 0 | 0 |
| 32 | 312.227 | 243.634 | 907.138 | 0 | 0 |
| 33 | 313.17 | 244.058 | 869.46 | 0 | 0 |
| 34 | 314.113 | 244.499 | 825.569 | 0 | 0 |
| 35 | 315.056 | 244.957 | 775.774 | 0 | 0 |
| 36 | 315.999 | 245.433 | 720.46 | 0 | 0 |
| 37 | 316.942 | 245.926 | 660.261 | 0 | 0 |
| 38 | 317.885 | 246.438 | 595.955 | 0 | 0 |
| 39 | 318.828 | 246.969 | 528.253 | 0 | 0 |
| 40 | 319.771 | 247.52 | 457.961 | 0 | 0 |
| 41 | 320.714 | 248.09 | 385.99 | 0 | 0 |
| 42 | 321.657 | 248.68 | 313.36 | 0 | 0 |
| 43 | 322.6 | 249.292 | 241.209 | 0 | 0 |
| 44 | 323.544 | 249.926 | 170.806 | 0 | 0 |
| 45 | 324.487 | 250.582 | 103.559 | 0 | 0 |
| 46 | 325.43 | 251.261 | 41.0271 | 0 | 0 |
| 47 | 326.373 | 251.964 | -15.0635 | 0 | 0 |
| 48 | 327.316 | 252.692 | -62.8037 | 0 | 0 |
| 49 | 328.259 | 253.447 | -100.083 | 0 | 0 |
| 50 | 329.202 | 254.228 | -124.569 | 0 | 0 |
| 51 | 330.145 | 255.038 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.99933

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 282.991 | 237.664 | 0 | 0 | 0 |
| 2 | 283.934 | 237.658 | 5.58164 | 0 | 0 |
| 3 | 284.877 | 237.666 | 21.4287 | 0 | 0 |
| 4 | 285.82 | 237.686 | 46.2492 | 0 | 0 |
| 5 | 286.763 | 237.718 | 78.8159 | 0 | 0 |
| 6 | 287.706 | 237.764 | 117.964 | 0 | 0 |
| 7 | 288.65 | 237.822 | 162.59 | 0 | 0 |
| 8 | 289.593 | 237.893 | 211.647 | 0 | 0 |
| 9 | 290.536 | 237.976 | 264.345 | 0 | 0 |
| 10 | 291.479 | 238.073 | 320.586 | 0 | 0 |
| 11 | 292.422 | 238.182 | 379.475 | 0 | 0 |
| 12 | 293.365 | 238.304 | 440.059 | 0 | 0 |
| 13 | 294.308 | 238.439 | 501.436 | 0 | 0 |
| 14 | 295.251 | 238.588 | 562.755 | 0 | 0 |
| 15 | 296.194 | 238.749 | 623.22 | 0 | 0 |
| 16 | 297.137 | 238.924 | 682.083 | 0 | 0 |
| 17 | 298.08 | 239.112 | 738.647 | 0 | 0 |
| 18 | 299.023 | 239.313 | 792.264 | 0 | 0 |
| 19 | 299.967 | 239.528 | 842.336 | 0 | 0 |
| 20 | 300.91 | 239.757 | 888.314 | 0 | 0 |
| 21 | 301.853 | 240 | 929.699 | 0 | 0 |
| 22 | 302.796 | 240.256 | 966.041 | 0 | 0 |
| 23 | 303.739 | 240.527 | 996.941 | 0 | 0 |
| 24 | 304.682 | 240.812 | 1022.05 | 0 | 0 |
| 25 | 305.625 | 241.112 | 1041.07 | 0 | 0 |
| 26 | 306.568 | 241.426 | 1053.75 | 0 | 0 |
| 27 | 307.511 | 241.756 | 1059.9 | 0 | 0 |
| 28 | 308.454 | 242.1 | 1059.39 | 0 | 0 |
| 29 | 309.397 | 242.46 | 1052.13 | 0 | 0 |
| 30 | 310.34 | 242.835 | 1038.09 | 0 | 0 |
| 31 | 311.283 | 243.227 | 1017.31 | 0 | 0 |
| 32 | 312.227 | 243.634 | 989.885 | 0 | 0 |
| 33 | 313.17 | 244.058 | 955.976 | 0 | 0 |
| 34 | 314.113 | 244.499 | 915.809 | 0 | 0 |
| 35 | 315.056 | 244.957 | 869.682 | 0 | 0 |
| 36 | 315.999 | 245.433 | 817.967 | 0 | 0 |
| 37 | 316.942 | 245.926 | 761.277 | 0 | 0 |
| 38 | 317.885 | 246.438 | 700.365 | 0 | 0 |
| 39 | 318.828 | 246.969 | 635.927 | 0 | 0 |
| 40 | 319.771 | 247.52 | 568.756 | 0 | 0 |
| 41 | 320.714 | 248.09 | 499.747 | 0 | 0 |
| 42 | 321.657 | 248.68 | 429.902 | 0 | 0 |
| 43 | 322.6 | 249.292 | 360.343 | 0 | 0 |
| 44 | 323.544 | 249.926 | 292.319 | 0 | 0 |
| 45 | 324.487 | 250.582 | 227.218 | 0 | 0 |
| 46 | 325.43 | 251.261 | 166.576 | 0 | 0 |
| 47 | 326.373 | 251.964 | 112.098 | 0 | 0 |
| 48 | 327.316 | 252.692 | 65.6667 | 0 | 0 |
| 49 | 328.259 | 253.447 | 29.3641 | 0 | 0 |
| 50 | 329.202 | 254.228 | 5.49326 | 0 | 0 |
| 51 | 330.145 | 255.038 | 0 | 0 | 0 |

## Cross Section H-H' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 0.582828

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 275.011 | 235.004 | 0 | 0 | 0 |
| 2 | 276.301 | 235.124 | 5.36931 | 0 | 0 |
| 3 | 277.591 | 235.257 | 20.5858 | 0 | 0 |
| 4 | 278.881 | 235.402 | 44.3714 | 0 | 0 |
| 5 | 280.171 | 235.559 | 75.5105 | 0 | 0 |
| 6 | 281.461 | 235.728 | 112.849 | 0 | 0 |
| 7 | 282.751 | 235.909 | 155.292 | 0 | 0 |
| 8 | 284.041 | 236.103 | 201.803 | 0 | 0 |
| 9 | 285.331 | 236.309 | 251.406 | 0 | 0 |
| 10 | 286.621 | 236.528 | 303.18 | 0 | 0 |
| 11 | 287.911 | 236.759 | 356.258 | 0 | 0 |
| 12 | 289.201 | 237.002 | 409.833 | 0 | 0 |
| 13 | 290.491 | 237.258 | 463.239 | 0 | 0 |
| 14 | 291.781 | 237.527 | 516.616 | 0 | 0 |
| 15 | 293.071 | 237.808 | 569.374 | 0 | 0 |
| 16 | 294.361 | 238.103 | 620.738 | 0 | 0 |
| 17 | 295.651 | 238.41 | 669.986 | 0 | 0 |
| 18 | 296.94 | 238.73 | 716.452 | 0 | 0 |
| 19 | 298.23 | 239.063 | 759.52 | 0 | 0 |
| 20 | 299.52 | 239.409 | 798.628 | 0 | 0 |
| 21 | 300.81 | 239.769 | 833.267 | 0 | 0 |
| 22 | 302.1 | 240.142 | 862.982 | 0 | 0 |
| 23 | 303.39 | 240.529 | 887.369 | 0 | 0 |
| 24 | 304.68 | 240.929 | 906.076 | 0 | 0 |
| 25 | 305.97 | 241.343 | 918.806 | 0 | 0 |
| 26 | 307.26 | 241.77 | 925.316 | 0 | 0 |
| 27 | 308.55 | 242.212 | 925.412 | 0 | 0 |
| 28 | 309.84 | 242.668 | 918.96 | 0 | 0 |
| 29 | 311.13 | 243.138 | 905.876 | 0 | 0 |
| 30 | 312.42 | 243.623 | 886.133 | 0 | 0 |
| 31 | 313.71 | 244.122 | 859.759 | 0 | 0 |
| 32 | 315 | 244.636 | 826.841 | 0 | 0 |
| 33 | 316.29 | 245.165 | 787.527 | 0 | 0 |
| 34 | 317.58 | 245.709 | 742.242 | 0 | 0 |
| 35 | 318.87 | 246.269 | 691.427 | 0 | 0 |
| 36 | 320.16 | 246.844 | 635.497 | 0 | 0 |
| 37 | 321.45 | 247.434 | 574.932 | 0 | 0 |
| 38 | 322.74 | 248.041 | 510.276 | 0 | 0 |
| 39 | 324.03 | 248.664 | 442.138 | 0 | 0 |
| 40 | 325.32 | 249.303 | 371.195 | 0 | 0 |
| 41 | 326.61 | 249.959 | 298.197 | 0 | 0 |
| 42 | 327.899 | 250.632 | 223.962 | 0 | 0 |
| 43 | 329.189 | 251.322 | 149.387 | 0 | 0 |
| 44 | 330.479 | 252.03 | 75.6337 | 0 | 0 |
| 45 | 331.769 | 252.755 | 5.91414 | 0 | 0 |
| 46 | 333.059 | 253.499 | -57.7597 | 0 | 0 |
| 47 | 334.349 | 254.261 | -113.828 | 0 | 0 |
| 48 | 335.639 | 255.042 | -160.637 | 0 | 0 |
| 49 | 336.929 | 255.843 | -196.434 | 0 | 0 |
| 50 | 338.219 | 256.662 | -219.365 | 0 | 0 |
| 51 | 339.509 | 257.502 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.568844

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 283.429 | 237.81 | 0 | 0 | 0 |
| 2 | 284.371 | 237.804 | 6.30573 | 0 | 0 |
| 3 | 285.314 | 237.811 | 24.1306 | 0 | 0 |
| 4 | 286.256 | 237.83 | 51.9275 | 0 | 0 |
| 5 | 287.198 | 237.862 | 88.2406 | 0 | 0 |
| 6 | 288.14 | 237.907 | 131.701 | 0 | 0 |
| 7 | 289.083 | 237.964 | 181.023 | 0 | 0 |
| 8 | 290.025 | 238.034 | 235.001 | 0 | 0 |
| 9 | 290.967 | 238.117 | 293.205 | 0 | 0 |
| 10 | 291.909 | 238.213 | 355.092 | 0 | 0 |
| 11 | 292.852 | 238.322 | 419.525 | 0 | 0 |
| 12 | 293.794 | 238.443 | 485.439 | 0 | 0 |
| 13 | 294.736 | 238.578 | 551.836 | 0 | 0 |
| 14 | 295.678 | 238.725 | 617.79 | 0 | 0 |
| 15 | 296.621 | 238.886 | 682.435 | 0 | 0 |
| 16 | 297.563 | 239.06 | 744.972 | 0 | 0 |
| 17 | 298.505 | 239.248 | 804.663 | 0 | 0 |
| 18 | 299.447 | 239.448 | 860.831 | 0 | 0 |
| 19 | 300.39 | 239.663 | 912.859 | 0 | 0 |
| 20 | 301.332 | 239.891 | 960.189 | 0 | 0 |
| 21 | 302.274 | 240.133 | 1002.32 | 0 | 0 |
| 22 | 303.216 | 240.389 | 1038.82 | 0 | 0 |
| 23 | 304.159 | 240.659 | 1069.29 | 0 | 0 |
| 24 | 305.101 | 240.943 | 1093.41 | 0 | 0 |
| 25 | 306.043 | 241.242 | 1110.91 | 0 | 0 |
| 26 | 306.986 | 241.556 | 1121.59 | 0 | 0 |
| 27 | 307.928 | 241.884 | 1125.28 | 0 | 0 |
| 28 | 308.87 | 242.228 | 1121.89 | 0 | 0 |
| 29 | 309.812 | 242.587 | 1111.39 | 0 | 0 |
| 30 | 310.755 | 242.961 | 1093.81 | 0 | 0 |
| 31 | 311.697 | 243.352 | 1069.23 | 0 | 0 |
| 32 | 312.639 | 243.758 | 1037.81 | 0 | 0 |
| 33 | 313.581 | 244.182 | 999.755 | 0 | 0 |
| 34 | 314.524 | 244.622 | 955.364 | 0 | 0 |
| 35 | 315.466 | 245.079 | 904.987 | 0 | 0 |
| 36 | 316.408 | 245.554 | 849.083 | 0 | 0 |
| 37 | 317.35 | 246.046 | 788.423 | 0 | 0 |
| 38 | 318.293 | 246.557 | 723.716 | 0 | 0 |
| 39 | 319.235 | 247.087 | 655.707 | 0 | 0 |
| 40 | 320.177 | 247.637 | 585.228 | 0 | 0 |
| 41 | 321.119 | 248.206 | 513.208 | 0 | 0 |
| 42 | 322.062 | 248.795 | 440.675 | 0 | 0 |
| 43 | 323.004 | 249.406 | 368.766 | 0 | 0 |
| 44 | 323.946 | 250.038 | 298.733 | 0 | 0 |
| 45 | 324.888 | 250.693 | 231.95 | 0 | 0 |
| 46 | 325.831 | 251.371 | 169.927 | 0 | 0 |
| 47 | 326.773 | 252.073 | 114.319 | 0 | 0 |
| 48 | 327.715 | 252.801 | 66.9349 | 0 | 0 |
| 49 | 328.657 | 253.554 | 29.7598 | 0 | 0 |
| 50 | 329.6 | 254.334 | 4.96503 | 0 | 0 |
| 51 | 330.542 | 255.143 | 0 | 0 | 0 |

# Cross Section I-I' - Master Scenario

## Global Minimum Query (bishop simplified) - Safety Factor: 1.31064

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 161.512 | 275.32 | 0 | 0 | 0 |
| 2 | 162.184 | 275.434 | 4.77084 | 0 | 0 |
| 3 | 162.856 | 275.558 | 18.3655 | 0 | 0 |
| 4 | 163.529 | 275.691 | 39.7625 | 0 | 0 |
| 5 | 164.201 | 275.833 | 67.9813 | 0 | 0 |
| 6 | 164.873 | 275.986 | 102.081 | 0 | 0 |
| 7 | 165.545 | 276.148 | 141.159 | 0 | 0 |
| 8 | 166.218 | 276.32 | 184.352 | 0 | 0 |
| 9 | 166.89 | 276.502 | 230.83 | 0 | 0 |
| 10 | 167.562 | 276.694 | 279.802 | 0 | 0 |
| 11 | 168.235 | 276.896 | 330.513 | 0 | 0 |
| 12 | 168.907 | 277.109 | 382.239 | 0 | 0 |
| 13 | 169.579 | 277.332 | 434.69 | 0 | 0 |
| 14 | 170.251 | 277.565 | 487.776 | 0 | 0 |
| 15 | 170.924 | 277.81 | 540.743 | 0 | 0 |
| 16 | 171.596 | 278.065 | 592.864 | 0 | 0 |
| 17 | 172.268 | 278.331 | 643.444 | 0 | 0 |
| 18 | 172.94 | 278.609 | 691.823 | 0 | 0 |
| 19 | 173.613 | 278.899 | 737.372 | 0 | 0 |
| 20 | 174.285 | 279.2 | 779.501 | 0 | 0 |
| 21 | 174.957 | 279.513 | 817.648 | 0 | 0 |
| 22 | 175.629 | 279.838 | 851.292 | 0 | 0 |
| 23 | 176.302 | 280.176 | 879.908 | 0 | 0 |
| 24 | 176.974 | 280.526 | 902.856 | 0 | 0 |
| 25 | 177.646 | 280.89 | 919.815 | 0 | 0 |
| 26 | 178.319 | 281.267 | 930.559 | 0 | 0 |
| 27 | 178.991 | 281.658 | 934.903 | 0 | 0 |
| 28 | 179.663 | 282.063 | 932.705 | 0 | 0 |
| 29 | 180.335 | 282.482 | 923.869 | 0 | 0 |
| 30 | 180.989 | 282.905 | 908.862 | 0 | 0 |
| 31 | 181.643 | 283.342 | 887.536 | 0 | 0 |
| 32 | 182.297 | 283.794 | 859.942 | 0 | 0 |
| 33 | 182.951 | 284.262 | 826.188 | 0 | 0 |
| 34 | 183.605 | 284.746 | 786.437 | 0 | 0 |
| 35 | 184.259 | 285.246 | 740.871 | 0 | 0 |
| 36 | 184.913 | 285.764 | 689.315 | 0 | 0 |
| 37 | 185.567 | 286.3 | 631.879 | 0 | 0 |
| 38 | 186.221 | 286.855 | 568.844 | 0 | 0 |
| 39 | 186.875 | 287.43 | 500.574 | 0 | 0 |
| 40 | 187.529 | 288.025 | 427.523 | 0 | 0 |
| 41 | 188.183 | 288.642 | 350.247 | 0 | 0 |
| 42 | 188.836 | 289.281 | 269.414 | 0 | 0 |
| 43 | 189.49 | 289.945 | 185.819 | 0 | 0 |
| 44 | 190.144 | 290.633 | 100.401 | 0 | 0 |
| 45 | 190.798 | 291.349 | 14.2623 | 0 | 0 |
| 46 | 191.452 | 292.094 | -69.8904 | 0 | 0 |
| 47 | 192.106 | 292.869 | -145.833 | 0 | 0 |
| 48 | 192.76 | 293.677 | -210.675 | 0 | 0 |
| 49 | 193.414 | 294.521 | -261.46 | 0 | 0 |
| 50 | 194.068 | 295.404 | -294.819 | 0 | 0 |
| 51 | 194.722 | 296.329 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.25098

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 163.09 | 276.306 | 0 | 0 | 0 |
| 2 | 163.65 | 276.366 | 4.73734 | 0 | 0 |
| 3 | 164.21 | 276.434 | 18.2439 | 0 | 0 |
| 4 | 164.77 | 276.512 | 39.5196 | 0 | 0 |
| 5 | 165.33 | 276.599 | 67.6099 | 0 | 0 |
| 6 | 165.89 | 276.694 | 101.604 | 0 | 0 |
| 7 | 166.45 | 276.799 | 140.631 | 0 | 0 |
| 8 | 167.01 | 276.914 | 183.861 | 0 | 0 |
| 9 | 167.57 | 277.037 | 230.502 | 0 | 0 |
| 10 | 168.13 | 277.17 | 279.799 | 0 | 0 |
| 11 | 168.69 | 277.313 | 331.033 | 0 | 0 |
| 12 | 169.25 | 277.465 | 383.619 | 0 | 0 |
| 13 | 169.81 | 277.627 | 437.607 | 0 | 0 |
| 14 | 170.37 | 277.799 | 492.416 | 0 | 0 |
| 15 | 170.93 | 277.982 | 547.342 | 0 | 0 |
| 16 | 171.49 | 278.174 | 601.714 | 0 | 0 |
| 17 | 172.05 | 278.377 | 654.894 | 0 | 0 |
| 18 | 172.61 | 278.591 | 706.274 | 0 | 0 |
| 19 | 173.17 | 278.815 | 755.276 | 0 | 0 |
| 20 | 173.73 | 279.05 | 801.356 | 0 | 0 |
| 21 | 174.29 | 279.297 | 843.997 | 0 | 0 |
| 22 | 174.85 | 279.556 | 882.718 | 0 | 0 |
| 23 | 175.41 | 279.826 | 917.065 | 0 | 0 |
| 24 | 175.97 | 280.108 | 946.618 | 0 | 0 |
| 25 | 176.53 | 280.403 | 970.881 | 0 | 0 |
| 26 | 177.09 | 280.711 | 989.449 | 0 | 0 |
| 27 | 177.65 | 281.032 | 1002.13 | 0 | 0 |
| 28 | 178.21 | 281.366 | 1008.75 | 0 | 0 |
| 29 | 178.77 | 281.715 | 1009.21 | 0 | 0 |
| 30 | 179.33 | 282.078 | 1003.42 | 0 | 0 |
| 31 | 179.89 | 282.457 | 991.364 | 0 | 0 |
| 32 | 180.452 | 282.852 | 972.962 | 0 | 0 |
| 33 | 181.014 | 283.265 | 948.331 | 0 | 0 |
| 34 | 181.577 | 283.694 | 917.606 | 0 | 0 |
| 35 | 182.139 | 284.141 | 880.985 | 0 | 0 |
| 36 | 182.701 | 284.608 | 838.742 | 0 | 0 |
| 37 | 183.263 | 285.094 | 791.232 | 0 | 0 |
| 38 | 183.826 | 285.601 | 738.899 | 0 | 0 |
| 39 | 184.388 | 286.131 | 682.13 | 0 | 0 |
| 40 | 184.95 | 286.684 | 621.017 | 0 | 0 |
| 41 | 185.513 | 287.262 | 556.167 | 0 | 0 |
| 42 | 186.075 | 287.868 | 488.371 | 0 | 0 |
| 43 | 186.637 | 288.502 | 418.594 | 0 | 0 |
| 44 | 187.2 | 289.168 | 348.006 | 0 | 0 |
| 45 | 187.762 | 289.869 | 278.025 | 0 | 0 |
| 46 | 188.324 | 290.607 | 210.37 | 0 | 0 |
| 47 | 188.886 | 291.387 | 147.129 | 0 | 0 |
| 48 | 189.449 | 292.215 | 90.8539 | 0 | 0 |
| 49 | 190.011 | 293.095 | 44.6832 | 0 | 0 |
| 50 | 190.573 | 294.036 | 12.5245 | 0 | 0 |
| 51 | 191.136 | 295.048 | 0 | 0 | 0 |

# Cross Section I-I' - Seismic

## Global Minimum Query (bishop simplified) - Safety Factor: 0.838609

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 161.438 | 275.274 | 0 | 0 | 0 |
| 2 | 162.172 | 275.454 | 4.01605 | 0 | 0 |
| 3 | 162.905 | 275.642 | 15.4438 | 0 | 0 |
| 4 | 163.638 | 275.838 | 33.4068 | 0 | 0 |
| 5 | 164.372 | 276.043 | 57.0642 | 0 | 0 |
| 6 | 165.105 | 276.256 | 85.6107 | 0 | 0 |
| 7 | 165.838 | 276.477 | 118.275 | 0 | 0 |
| 8 | 166.572 | 276.707 | 154.321 | 0 | 0 |
| 9 | 167.305 | 276.946 | 193.043 | 0 | 0 |
| 10 | 168.038 | 277.194 | 233.771 | 0 | 0 |
| 11 | 168.772 | 277.451 | 275.865 | 0 | 0 |
| 12 | 169.505 | 277.716 | 318.983 | 0 | 0 |
| 13 | 170.238 | 277.991 | 363.261 | 0 | 0 |
| 14 | 170.972 | 278.275 | 408.062 | 0 | 0 |
| 15 | 171.705 | 278.568 | 452.726 | 0 | 0 |
| 16 | 172.438 | 278.871 | 496.622 | 0 | 0 |
| 17 | 173.172 | 279.183 | 539.153 | 0 | 0 |
| 18 | 173.905 | 279.505 | 579.753 | 0 | 0 |
| 19 | 174.638 | 279.837 | 617.886 | 0 | 0 |
| 20 | 175.372 | 280.179 | 653.047 | 0 | 0 |
| 21 | 176.105 | 280.531 | 684.759 | 0 | 0 |
| 22 | 176.838 | 280.893 | 712.336 | 0 | 0 |
| 23 | 177.571 | 281.266 | 735.339 | 0 | 0 |
| 24 | 178.305 | 281.65 | 753.533 | 0 | 0 |
| 25 | 179.038 | 282.044 | 766.715 | 0 | 0 |
| 26 | 179.771 | 282.45 | 774.714 | 0 | 0 |
| 27 | 180.524 | 282.878 | 777.39 | 0 | 0 |
| 28 | 181.277 | 283.319 | 774.349 | 0 | 0 |
| 29 | 182.03 | 283.771 | 765.517 | 0 | 0 |
| 30 | 182.783 | 284.237 | 750.865 | 0 | 0 |
| 31 | 183.536 | 284.716 | 730.403 | 0 | 0 |
| 32 | 184.289 | 285.208 | 704.158 | 0 | 0 |
| 33 | 185.042 | 285.713 | 671.899 | 0 | 0 |
| 34 | 185.794 | 286.233 | 633.546 | 0 | 0 |
| 35 | 186.547 | 286.767 | 589.136 | 0 | 0 |
| 36 | 187.3 | 287.316 | 538.753 | 0 | 0 |
| 37 | 188.053 | 287.881 | 482.538 | 0 | 0 |
| 38 | 188.806 | 288.46 | 420.683 | 0 | 0 |
| 39 | 189.559 | 289.057 | 353.441 | 0 | 0 |
| 40 | 190.312 | 289.669 | 281.128 | 0 | 0 |
| 41 | 191.064 | 290.299 | 204.142 | 0 | 0 |
| 42 | 191.817 | 290.947 | 125.63 | 0 | 0 |
| 43 | 192.57 | 291.614 | 48.6032 | 0 | 0 |
| 44 | 193.323 | 292.3 | -25.6367 | 0 | 0 |
| 45 | 194.076 | 293.005 | -95.6882 | 0 | 0 |
| 46 | 194.829 | 293.732 | -160.039 | 0 | 0 |
| 47 | 195.582 | 294.48 | -217.054 | 0 | 0 |
| 48 | 196.335 | 295.251 | -264.968 | 0 | 0 |
| 49 | 197.087 | 296.046 | -301.869 | 0 | 0 |
| 50 | 197.84 | 296.866 | -325.682 | 0 | 0 |
| 51 | 198.593 | 297.712 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.790489

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 161.438 | 275.274 | 0 | 0 | 0 |
| 2 | 162.101 | 275.391 | 5.47171 | 0 | 0 |
| 3 | 162.764 | 275.516 | 21.0146 | 0 | 0 |
| 4 | 163.427 | 275.652 | 45.4026 | 0 | 0 |
| 5 | 164.09 | 275.796 | 77.4708 | 0 | 0 |
| 6 | 164.753 | 275.951 | 116.113 | 0 | 0 |
| 7 | 165.416 | 276.114 | 160.278 | 0 | 0 |
| 8 | 166.079 | 276.288 | 208.969 | 0 | 0 |
| 9 | 166.742 | 276.472 | 261.244 | 0 | 0 |
| 10 | 167.405 | 276.665 | 316.206 | 0 | 0 |
| 11 | 168.067 | 276.869 | 373.011 | 0 | 0 |
| 12 | 168.73 | 277.083 | 430.861 | 0 | 0 |
| 13 | 169.393 | 277.307 | 489.216 | 0 | 0 |
| 14 | 170.056 | 277.541 | 548.179 | 0 | 0 |
| 15 | 170.719 | 277.787 | 607.023 | 0 | 0 |
| 16 | 171.382 | 278.043 | 664.969 | 0 | 0 |
| 17 | 172.045 | 278.31 | 721.281 | 0 | 0 |
| 18 | 172.708 | 278.589 | 775.27 | 0 | 0 |
| 19 | 173.371 | 278.879 | 826.286 | 0 | 0 |
| 20 | 174.034 | 279.18 | 873.725 | 0 | 0 |
| 21 | 174.696 | 279.493 | 917.026 | 0 | 0 |
| 22 | 175.359 | 279.819 | 955.668 | 0 | 0 |
| 23 | 176.022 | 280.157 | 989.176 | 0 | 0 |
| 24 | 176.685 | 280.508 | 1016.94 | 0 | 0 |
| 25 | 177.348 | 280.871 | 1038.53 | 0 | 0 |
| 26 | 178.011 | 281.248 | 1053.76 | 0 | 0 |
| 27 | 178.674 | 281.639 | 1062.49 | 0 | 0 |
| 28 | 179.337 | 282.044 | 1064.62 | 0 | 0 |
| 29 | 180 | 282.463 | 1060.11 | 0 | 0 |
| 30 | 180.637 | 282.88 | 1049.51 | 0 | 0 |
| 31 | 181.275 | 283.312 | 1032.82 | 0 | 0 |
| 32 | 181.913 | 283.758 | 1010.14 | 0 | 0 |
| 33 | 182.55 | 284.22 | 981.626 | 0 | 0 |
| 34 | 183.188 | 284.697 | 947.48 | 0 | 0 |
| 35 | 183.826 | 285.191 | 907.968 | 0 | 0 |
| 36 | 184.464 | 285.701 | 863.274 | 0 | 0 |
| 37 | 185.101 | 286.229 | 813.321 | 0 | 0 |
| 38 | 185.739 | 286.775 | 758.405 | 0 | 0 |
| 39 | 186.377 | 287.341 | 698.923 | 0 | 0 |
| 40 | 187.014 | 287.927 | 635.352 | 0 | 0 |
| 41 | 187.652 | 288.533 | 568.261 | 0 | 0 |
| 42 | 188.29 | 289.162 | 498.321 | 0 | 0 |
| 43 | 188.927 | 289.815 | 426.313 | 0 | 0 |
| 44 | 189.565 | 290.492 | 353.145 | 0 | 0 |
| 45 | 190.203 | 291.195 | 279.866 | 0 | 0 |
| 46 | 190.841 | 291.926 | 207.682 | 0 | 0 |
| 47 | 191.478 | 292.687 | 139.575 | 0 | 0 |
| 48 | 192.116 | 293.481 | 81.4787 | 0 | 0 |
| 49 | 192.754 | 294.309 | 36.1544 | 0 | 0 |
| 50 | 193.391 | 295.175 | 6.50954 | 0 | 0 |
| 51 | 194.029 | 296.082 | 0 | 0 | 0 |

# Discharge Sections

# Entity Information

## Cross Section A-A'

**Shared Entities**

| Type | Coordinates (x,y) |
|---|---|
| External Boundary | 387.056, 296.217<br>384.231, 294.872<br>374, 290<br>358.223, 284.365<br>346, 280<br>341, 278<br>277, 272<br>253, 262<br>223, 260<br>200, 258<br>165, 258<br>162.201, 258.933<br>155.139, 261.246<br>144.54, 264.716<br>134.302, 268.069<br>105.5, 277.5<br>96, 275<br>87, 270<br>81, 265<br>66, 260<br>60.7382, 256.711<br>58, 255<br>50, 250<br>43, 245<br>25, 240<br>13, 235<br>0, 230<br>0, 215.82<br>0, 197.164<br>0, 100<br>496, 100<br>496, 261.336<br>496, 297<br>496, 299.157<br>496, 300<br>496, 326<br>480, 326<br>476.404, 326 |
| Material Boundary | 115, 261<br>118.646, 262.335<br>134.155, 268.015<br>134.302, 268.069 |

| | |
|---|---|
| Material Boundary | 0, 215.82<br>115, 261 |
| Material Boundary | 115, 242<br>463, 260<br>496, 261.336 |
| Material Boundary | 0, 197.164<br>115, 242 |
| Material Boundary | 122, 272<br>128, 270<br>134.155, 268.015<br>144.415, 264.705<br>155.139, 261.246 |
| Material Boundary | 387.056, 296.217<br>496, 300 |
| Material Boundary | 105.5, 277.5<br>122, 272 |
| Material Boundary | 384.231, 294.872<br>463, 298<br>496, 299.157 |

**Scenario-based Entities**

| Type | Coordinates (x,y) | Master Scenario | Seismic |
|---|---|---|---|
| Water Table | 358.223, 284.365<br>463, 294<br>496, 297 | Assigned to:<br>MD-VD Silty SAND/Silty SAND with gravel<br>D-VD SAND | Assigned to:<br>MD-VD Silty SAND/Silty SAND with gravel<br>D-VD SAND |

## Cross Section B-B'

**Shared Entities**

| Type | Coordinates (x,y) |
|---|---|
| External Boundary | 815, 297.616<br>680, 295<br>619.769, 292.076<br>585.371, 290.406<br>438.82, 270.25<br>437, 270<br>401, 260<br>365, 250<br>332, 240<br>295, 230<br>255, 220<br>210, 210<br>118, 202<br>100, 200<br>76, 198<br>46, 196<br>13, 194<br>0, 192<br>0, 181<br>0, 100<br>767, 100<br>938, 100<br>938, 247<br>938, 300<br>938, 326<br>897, 326<br>815, 324 |
| Material Boundary | 0, 181<br>105, 196<br>275, 218<br>389, 234<br>420, 235<br>441.087, 252.668<br>457, 266<br>507, 276<br>619.769, 292.076 |
| Material Boundary | 420, 235<br>457, 243<br>480, 225<br>767, 247 |
| Material Boundary | 441.087, 252.668<br>457, 254<br>480, 255<br>767, 247 |
| Material Boundary | 680, 295<br>767, 296.45<br>767, 247<br>767, 100 |
| Material Boundary | 815, 297.616<br>938, 300 |
| Material Boundary | 767, 247<br>938, 247 |

**Scenario-based Entities**

| Type | Coordinates (x,y) | Master Scenario | Seismic |
|---|---|---|---|
| Water Table | 0, 186.21<br>389, 239<br>480, 259<br>938, 282.035 | Assigned to:<br>MD-VD Silty SAND/Silty SAND with gravel<br>MD-D SAND/Silty SAND<br>Landslide Debris<br>New Structural Fill | Assigned to:<br>MD-VD Silty SAND/Silty SAND with gravel<br>MD-D SAND/Silty SAND<br>Landslide Debris<br>New Structural Fill |

## Cross Section C-C'

### Shared Entities

| Type | Coordinates (x,y) |
|---|---|
| External Boundary | 0, 100<br>845, 100<br>845, 324<br>744, 324<br>720, 320<br>674.186, 314.273<br>640, 310<br>534.083, 302.645<br>496, 300<br>480, 298<br>400, 290<br>370, 280<br>343, 270<br>317, 260<br>295, 250<br>281, 245<br>268, 240<br>253, 235<br>230, 230<br>153, 222<br>80, 220<br>0, 214<br>0, 194 |
| Material Boundary | 0, 194<br>185, 214<br>428, 263<br>665.2, 312.417 |
| Material Boundary | 185, 214<br>428, 275<br>528.064, 300.978 |
| Material Boundary | 665.2, 312.417<br>674.186, 314.273 |
| Material Boundary | 528.064, 300.978<br>534.083, 302.645 |

### Scenario-based Entities

| Type | Coordinates (x,y) | Master Scenario | Seismic |
|---|---|---|---|
| Water Table | 270, 240<br>428, 272 | Not assigned to any materials | Not assigned to any materials |

## Cross Section D-D'

### Shared Entities

| Type | Coordinates (x,y) |
|---|---|

| | |
|---|---|
| External Boundary | 1340, 360<br>1205, 360<br>1162, 355<br>1142, 350<br>1120, 345<br>1100, 340<br>1098.84, 339.637<br>1093.6, 338<br>972, 338<br>962, 336<br>952, 334<br>943, 332<br>943, 320.698<br>931, 320<br>810, 315<br>809.814, 314.978<br>767, 310<br>721.249, 306.31<br>705, 305<br>674, 300<br>653, 295<br>622, 290<br>593, 285<br>570, 280<br>541, 275<br>526, 270<br>513, 265<br>501, 260<br>489, 255<br>475, 250<br>461, 245<br>444, 240<br>420, 235<br>396, 230<br>369, 225<br>347, 220<br>325, 215<br>301, 210<br>264, 205<br>212, 200<br>138, 195<br>75, 190<br>63.7745, 187.995<br>47, 185<br>29, 180<br>0, 175<br>0, 174<br>0, 100<br>1370, 100<br>1370, 269.274<br>1370, 272.274<br>1370, 347.531<br>1370, 360<br>1370, 366<br>1355, 366 |

| | |
|---|---|
| Material Boundary | 0, 174<br>233, 187<br>509, 208<br>804.392, 228.998<br>1339, 267<br>1370, 269.274 |
| Material Boundary | 63.7745, 187.995<br>233, 187<br>457, 228<br>509, 247<br>518.671, 249.724<br>651, 287<br>720, 306 |
| Material Boundary | 509, 247<br>521.971, 249.971<br>736, 299<br>809.814, 314.978 |
| Material Boundary | 894, 309<br>1188, 344<br>1339, 347<br>1370, 347.531 |
| Material Boundary | 804.392, 228.998<br>873.484, 253.945<br>847.454, 266.739<br>802.178, 288.994<br>894, 309 |
| Material Boundary | 720, 306<br>721.249, 306.31 |
| Material Boundary | 943, 320.698<br>1017, 325<br>1057, 330<br>1084, 335<br>1093.6, 338 |
| Material Boundary | 1093.6, 338<br>1100, 338<br>1127, 340<br>1242, 350<br>1283, 356<br>1295, 358<br>1340, 360 |
| Material Boundary | 1340, 360<br>1370, 360 |

**Scenario-based Entities**

| Type | Coordinates (x,y) | Master Scenario | Seismic |
|---|---|---|---|
| Water Table | 75, 190<br>233, 190<br>457, 232<br>509, 249<br>518.671, 249.724<br>521.971, 249.971<br>736, 266<br>847.454, 266.739<br>1339, 270<br>1370, 272.274 | Not assigned to any materials | Not assigned to any materials |

## Cross Section E-E'

**Shared Entities**

| Type | Coordinates (x,y) |
|---|---|
| External Boundary | 803, 355<br>788.696, 353.478<br>780, 350<br>756, 350<br>709, 350<br>650, 348<br>634, 346<br>572, 330<br>523, 325<br>487, 320<br>392, 315<br>375, 310<br>367, 305<br>358, 300<br>349, 295<br>339, 290<br>327, 285<br>315, 280<br>306, 275<br>296, 270<br>281, 265<br>261, 260<br>238, 255<br>211, 250<br>186, 245<br>163, 240<br>142, 235<br>96, 230<br>67, 225<br>50, 220<br>34, 215<br>19, 210<br>0, 205<br>0, 158.836<br>0, 150<br>185.855, 150<br>205.448, 150<br>970, 150<br>970, 267.348<br>970, 270.483<br>970, 345.717<br>970, 362<br>950, 362<br>914, 360<br>863, 358<br>820, 356<br>813.2, 356 |
| Material Boundary | 695, 336<br>970, 345.717 |
| Material Boundary | 564, 285<br>970, 267.348 |
| Material Boundary | 564, 285<br>586.237, 293.657<br>695, 336 |

| | |
|---|---|
| Material Boundary | 0, 158.836<br>80, 180<br>455.335, 280.813<br>564, 310 |
| Material Boundary | 564, 310<br>690.403, 343.143 |
| Material Boundary | 205.448, 150<br>288, 180<br>564, 285 |
| Material Boundary | 572, 330<br>635, 335<br>664, 340<br>690.403, 343.143<br>706, 345<br>756, 350 |

**Scenario-based Entities**

| Type | Coordinates (x,y) | Master Scenario | Seismic | Newmark |
|---|---|---|---|---|
| Water Table | 186, 245<br>204, 248<br>455.335, 280.813<br>564, 295<br>586.237, 293.657<br>970, 270.483 | Not assigned to any materials | Not assigned to any materials | Not assigned to any materials |

## Cross Section F-F'

**Shared Entities**

| Type | Coordinates (x,y) |
|---|---|
| External Boundary | 0, 200<br>487, 200<br>487, 368<br>487, 380<br>487, 382<br>454, 380<br>441, 378<br>407, 376<br>363, 374<br>321, 372<br>315, 370<br>273, 368<br>205, 360<br>189.816, 354.577<br>177, 350<br>160, 340<br>143.76, 330.978<br>142, 330<br>120, 320<br>107, 310<br>93, 300<br>75, 290<br>52, 280<br>42, 275<br>0, 275 |
| Material Boundary | 189.816, 354.577<br>350, 368<br>487, 380 |
| Material Boundary | 143.76, 330.978<br>350, 354<br>487, 368 |

**Scenario-based Entities**

| Type | Coordinates (x,y) | Master Scenario | Seismic |
|---|---|---|---|
| Distributed Load | 487, 382<br>454, 380<br>441, 378<br>407, 376<br>363, 374<br>321, 372<br>315, 370<br>273, 368 | Constant DistributionOrientation: Normal to boundaryMagnitude: 400 lbs/ft2Creates Excess Pore Pressure: No | Constant DistributionOrientation: Normal to boundaryMagnitude: 400 lbs/ft2Creates Excess Pore Pressure: No |

## Cross Section G-G'

**Shared Entities**

| Type | Coordinates (x,y) |
|---|---|
| External Boundary | 606, 344<br>370, 344<br>339, 346<br>315, 348<br>302, 348<br>287, 346<br>244, 342<br>230, 340<br>221, 335<br>210, 330<br>198, 325<br>188, 320<br>180, 315<br>171, 310<br>163, 305<br>155, 300<br>145, 295<br>131, 290<br>114, 285<br>95, 280<br>81, 275<br>69, 270<br>50, 265<br>48.3043, 264.674<br>24, 260<br>0, 260<br>0, 200<br>640, 200<br>640, 313<br>640, 337<br>640, 344<br>640, 346<br>630, 346 |
| Material Boundary | 155, 300<br>422, 320<br>640, 337 |
| Material Boundary | 48.3043, 264.674<br>422, 295<br>640, 313 |
| Material Boundary | 606, 344<br>640, 344 |

**Scenario-based Entities**

| Type | Coordinates (x,y) | Master Scenario | Seismic |
|---|---|---|---|
| Water Table | 40, 264<br>422, 300<br>640, 337 | Assigned to:<br>D-VD SAND<br>New Structural Fill | Assigned to:<br>D-VD SAND<br>New Structural Fill |

## Cross Section H-H'

**Shared Entities**

| Type | Coordinates (x,y) |
|---|---|
| External Boundary | 621.25, 336.125<br>620, 336<br>520, 330<br>497, 325<br>489, 320<br>480, 315<br>472, 310<br>466, 305<br>457, 300<br>446, 295<br>436, 290<br>422, 285<br>406, 280<br>395, 275<br>383, 270<br>366, 265<br>349, 260<br>330, 255<br>316, 250<br>303, 245<br>290, 240<br>275, 235<br>255, 230<br>230, 225<br>200, 220<br>171, 215<br>142, 210<br>105, 205<br>77, 200<br>50, 195<br>0, 190<br>0, 160<br>0, 100<br>640, 100<br>640, 308<br>640, 320<br>640, 338<br>640, 342<br>633, 342 |
| Material Boundary | 0, 160<br>227, 208<br>383, 270 |
| Material Boundary | 383, 270<br>544, 295<br>640, 308 |
| Material Boundary | 489, 320<br>640, 320 |
| Material Boundary | 621.25, 336.125<br>640, 338 |

**Scenario-based Entities**

| Type | Coordinates (x,y) | Master Scenario | Seismic |
|---|---|---|---|
| Water Table | 383, 270<br>640, 320 | Not assigned to any materials | Not assigned to any materials |

## Cross Section I-I'

**Shared Entities**

| Type | Coordinates (x,y) |
|---|---|
| External Boundary | 398, 331.947<br>378.43, 330.215<br>376, 330<br>356, 328<br>268, 328<br>256, 326<br>245, 320<br>226, 310<br>205, 300<br>191, 295<br>184, 290<br>176, 285<br>169, 280<br>161, 275<br>148, 270<br>132, 265<br>118, 260<br>107, 255<br>98, 250<br>86, 245<br>76, 240<br>59, 235<br>49, 230<br>36, 225<br>24, 220<br>13, 215<br>0, 210<br>0, 100<br>630, 100<br>630, 303.82<br>630, 304<br>630, 308.82<br>630, 338.504<br>630, 338.655<br>630, 346<br>513, 344<br>480, 342<br>398, 340 |
| Material Boundary | 376, 330<br>620, 338<br>630, 338.504 |
| Material Boundary | 161, 275<br>483, 295<br>630, 303.82 |

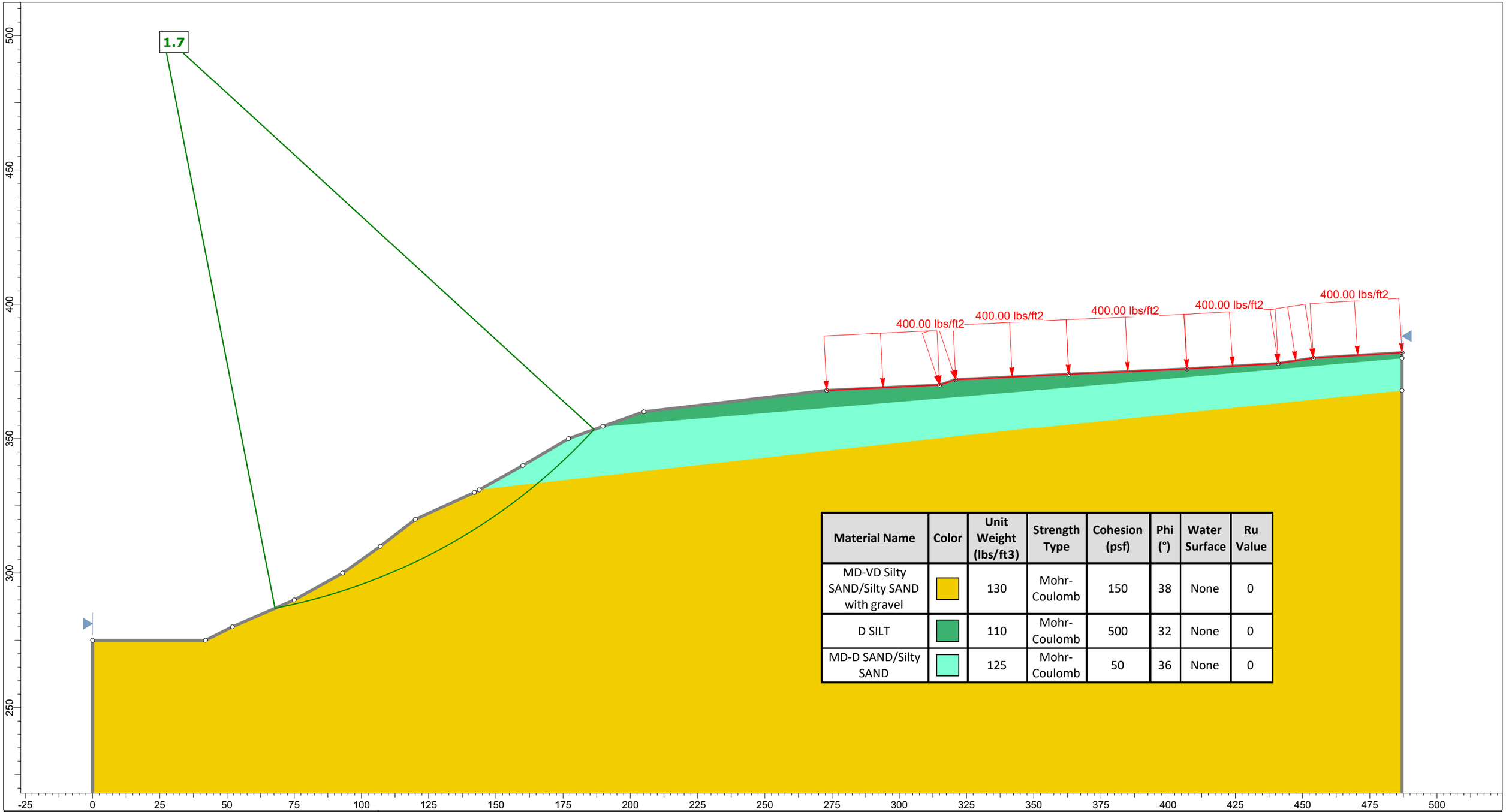
| | |
|---|---|
| Material Boundary | 483, 330<br>512.283, 330<br>503.383, 326.62<br>509.163, 324.652<br>498.956, 320<br>483, 320<br>469.686, 320<br>464.52, 324.529<br>476.696, 327.358<br>471.899, 329.694<br>483, 330 |
| Material Boundary | 398, 331.947<br>489, 340<br>630, 346 |

**Scenario-based Entities**

| Type | Coordinates (x,y) | Master Scenario | Seismic |
|---|---|---|---|
| Water Table | 172, 282<br>483, 300<br>630, 308.82 | Not assigned to any materials | Not assigned to any materials |

# APPENDIX E

# SLIDE2 OUTPUT – STEEP SLOPE AREAS




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | None | 0 |
| D SILT | | 110 | Mohr-Coulomb | 500 | 32 | None | 0 |
| MD-D SAND/Silty SAND | | 125 | Mohr-Coulomb | 50 | 36 | None | 0 |

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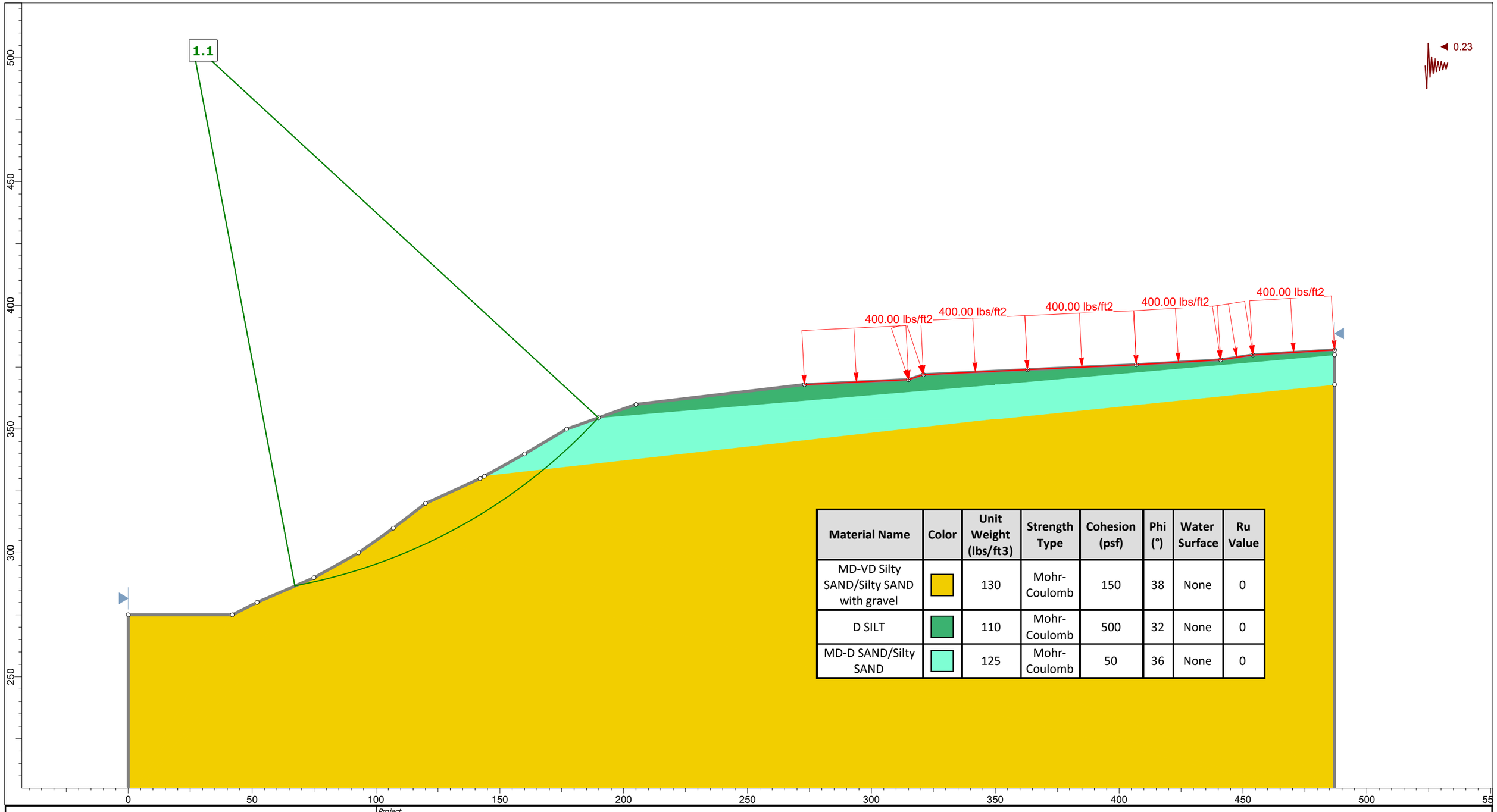
SLIDEINTERPRET 9.040

| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section F-F' | *Scenario* | Master Scenario |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/25/2025 | *File Name* | Cross Sections - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | None | 0 |
| D SILT | | 110 | Mohr-Coulomb | 500 | 32 | None | 0 |
| MD-D SAND/Silty SAND | | 125 | Mohr-Coulomb | 50 | 36 | None | 0 |

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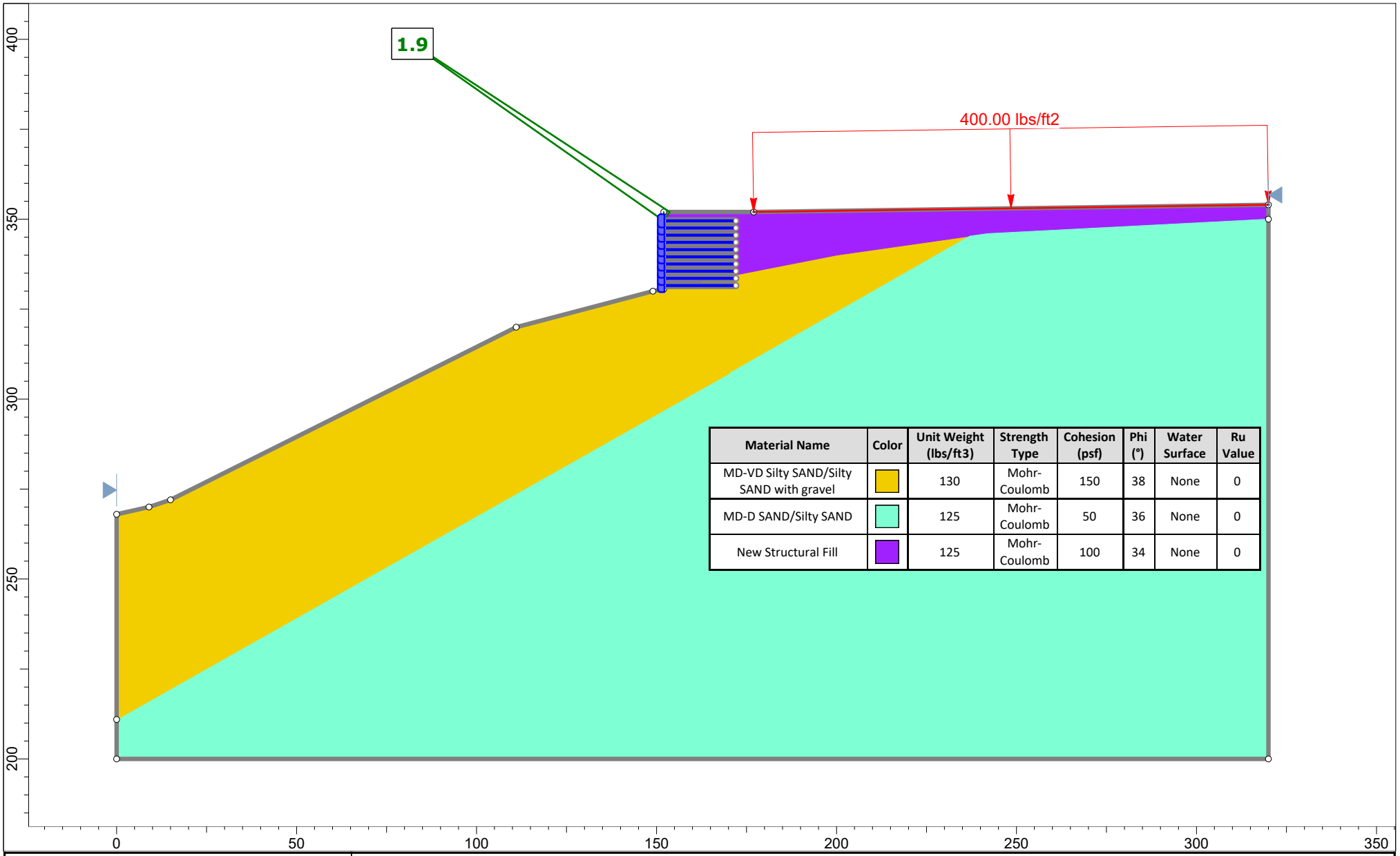
SLIDEINTERPRET 9.040

| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section F-F' | *Scenario* | Seismic |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/25/2025 | *File Name* | Cross Sections - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | None | 0 |
| MD-D SAND/Silty SAND | | 125 | Mohr-Coulomb | 50 | 36 | None | 0 |
| New Structural Fill | | 125 | Mohr-Coulomb | 100 | 34 | None | 0 |

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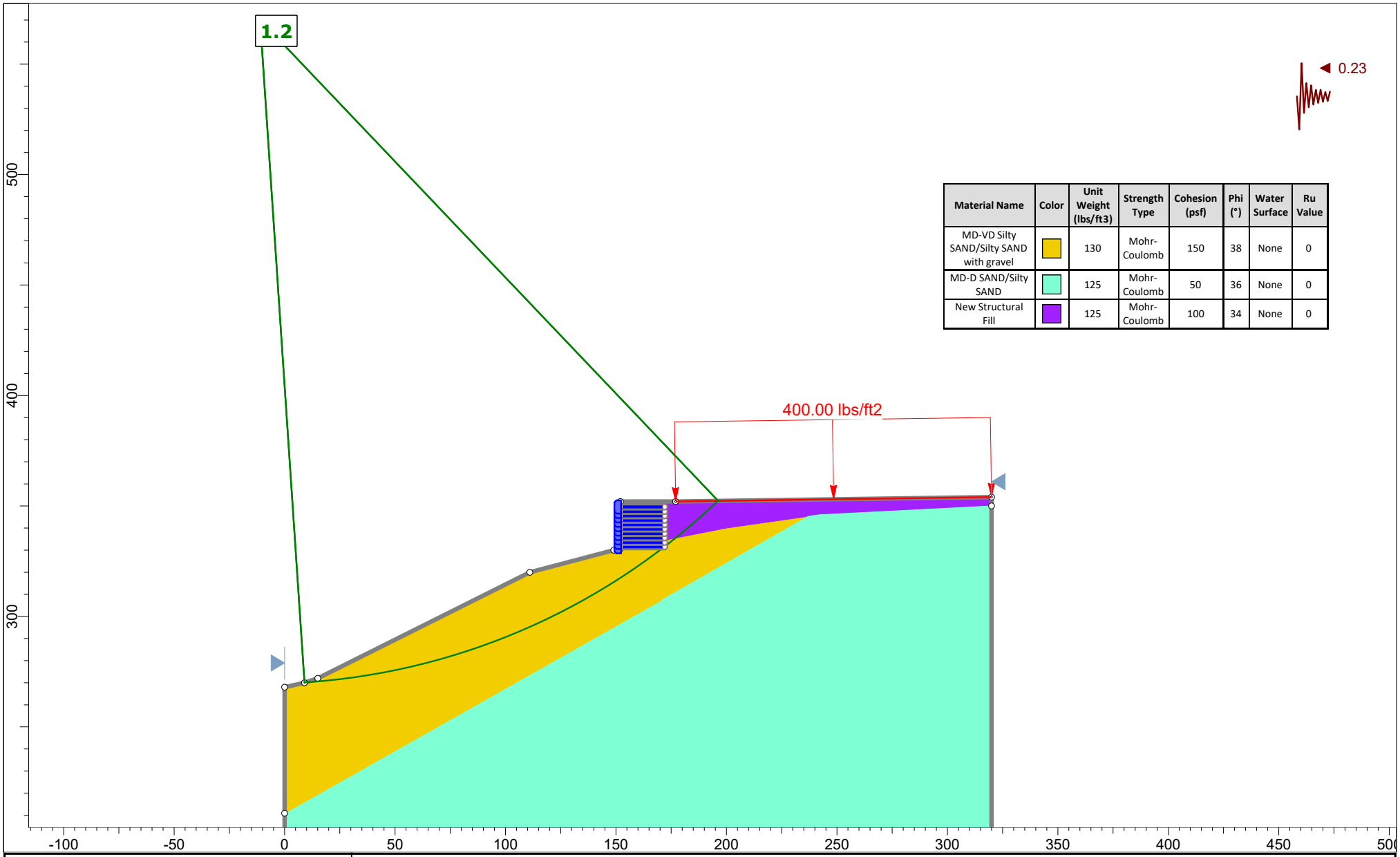
SLIDEINTERPRET 9.040

| | | | |
|---|---|---|---|
| Project | Arlington 360 | | |
| Group | Cross Section AA-AA' | Scenario | Master Scenario |
| Drawn By | C. Decker | Company | Terra Associates, Inc. |
| Date | 11/26/2025 | File Name | Steep Slopes - No Landslide Hazard - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | None | 0 |
| MD-D SAND/Silty SAND | | 125 | Mohr-Coulomb | 50 | 36 | None | 0 |
| New Structural Fill | | 125 | Mohr-Coulomb | 100 | 34 | None | 0 |

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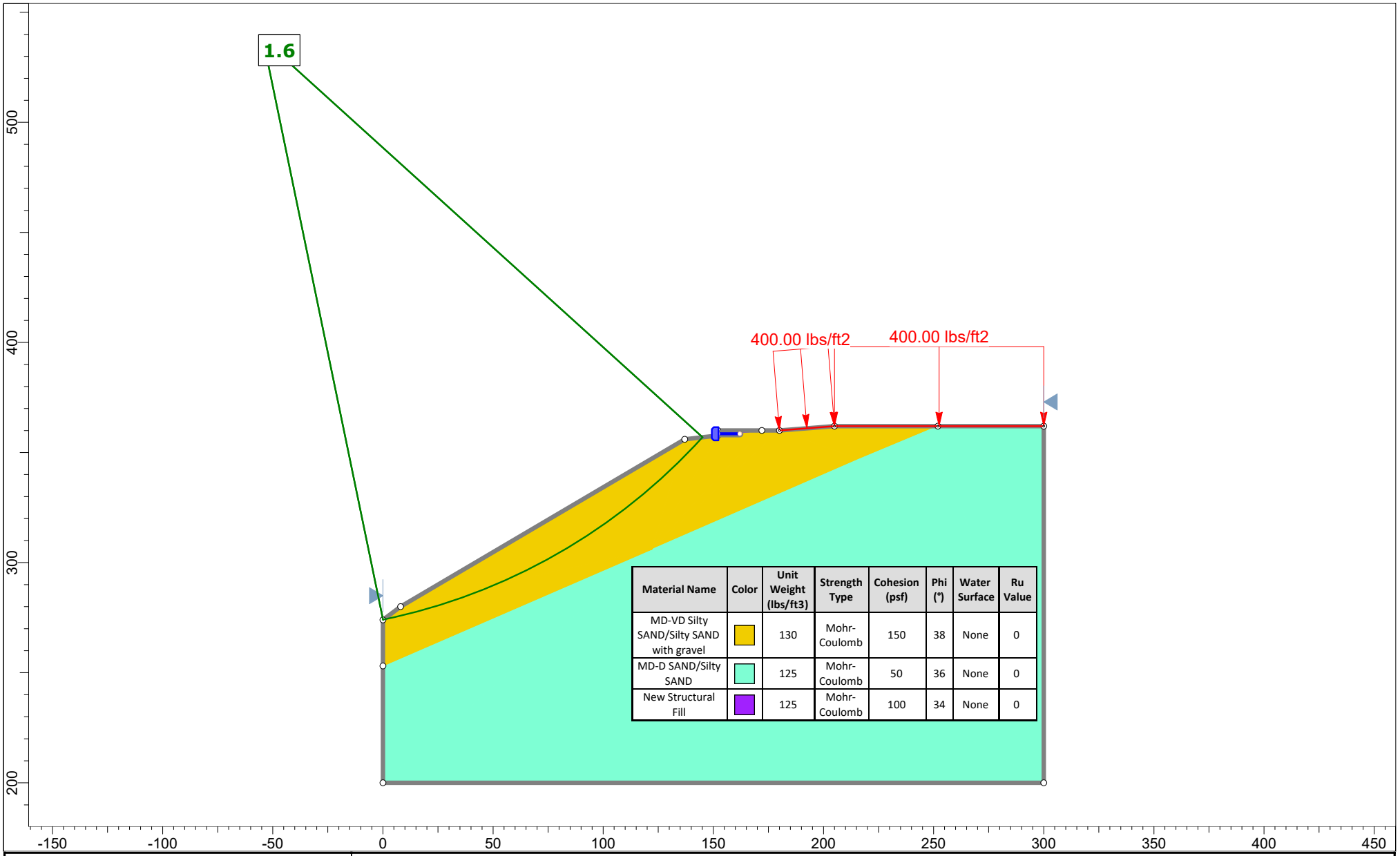
SLIDEINTERPRET 9.040

| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section AA-AA' | *Scenario* | Seismic |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/26/2025 | *File Name* | Steep Slopes - No Landslide Hazard - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | None | 0 |
| MD-D SAND/Silty SAND | | 125 | Mohr-Coulomb | 50 | 36 | None | 0 |
| New Structural Fill | | 125 | Mohr-Coulomb | 100 | 34 | None | 0 |

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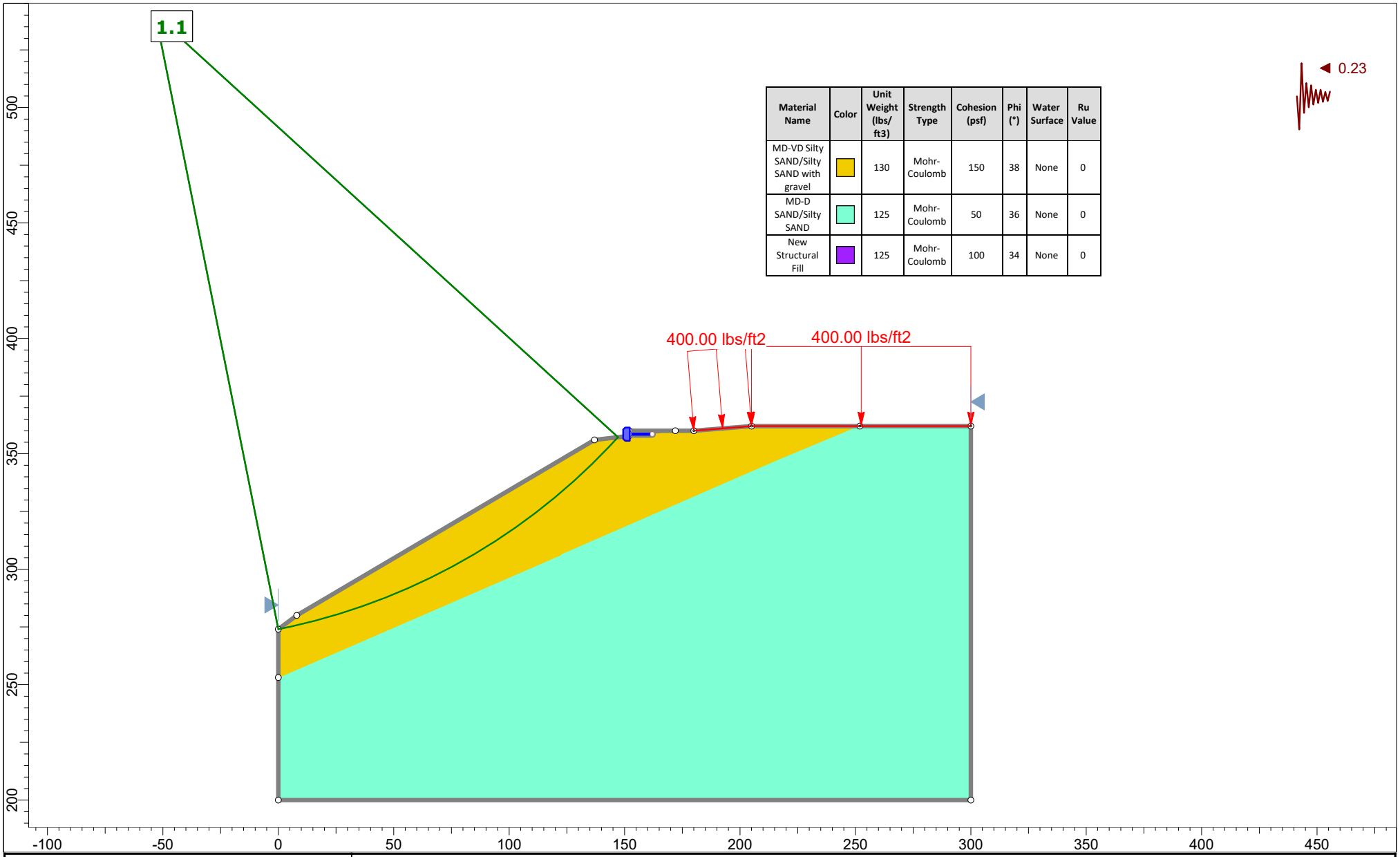
SLIDEINTERPRET 9.040

| | | | |
|---|---|---|---|
| Project | Arlington 360 | | |
| Group | Cross Section BB-BB' | Scenario | Master Scenario |
| Drawn By | C. Decker | Company | Terra Associates, Inc. |
| Date | 11/26/2025 | File Name | Steep Slopes - No Landslide Hazard - Post Construction Conditions - November 2025.slmd |

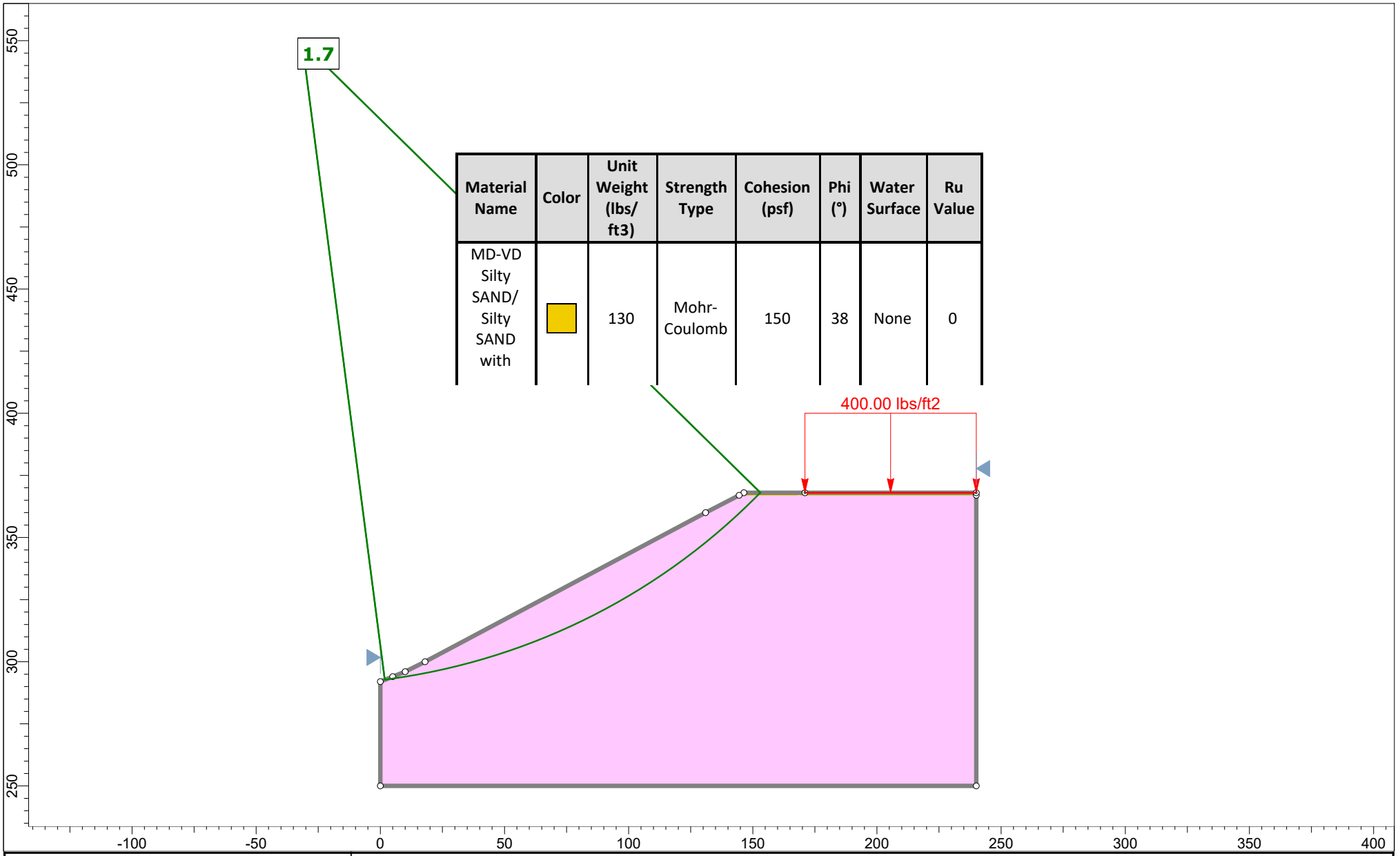



| Material Name | Color | Unit Weight (lbs/ ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | None | 0 |
| MD-D SAND/Silty SAND | | 125 | Mohr-Coulomb | 50 | 36 | None | 0 |
| New Structural Fill | | 125 | Mohr-Coulomb | 100 | 34 | None | 0 |

rocscience

SLIDEINTERPRET 9.040

| | | | |
|---|---|---|---|
| Project | Arlington 360 | | |
| Group | Cross Section BB-BB' | Scenario | Seismic |
| Drawn By | C. Decker | Company | Terra Associates, Inc. |
| Date | 11/26/2025 | File Name | Steep Slopes - No Landslide Hazard - Post Construction Conditions - November 2025.slmd |

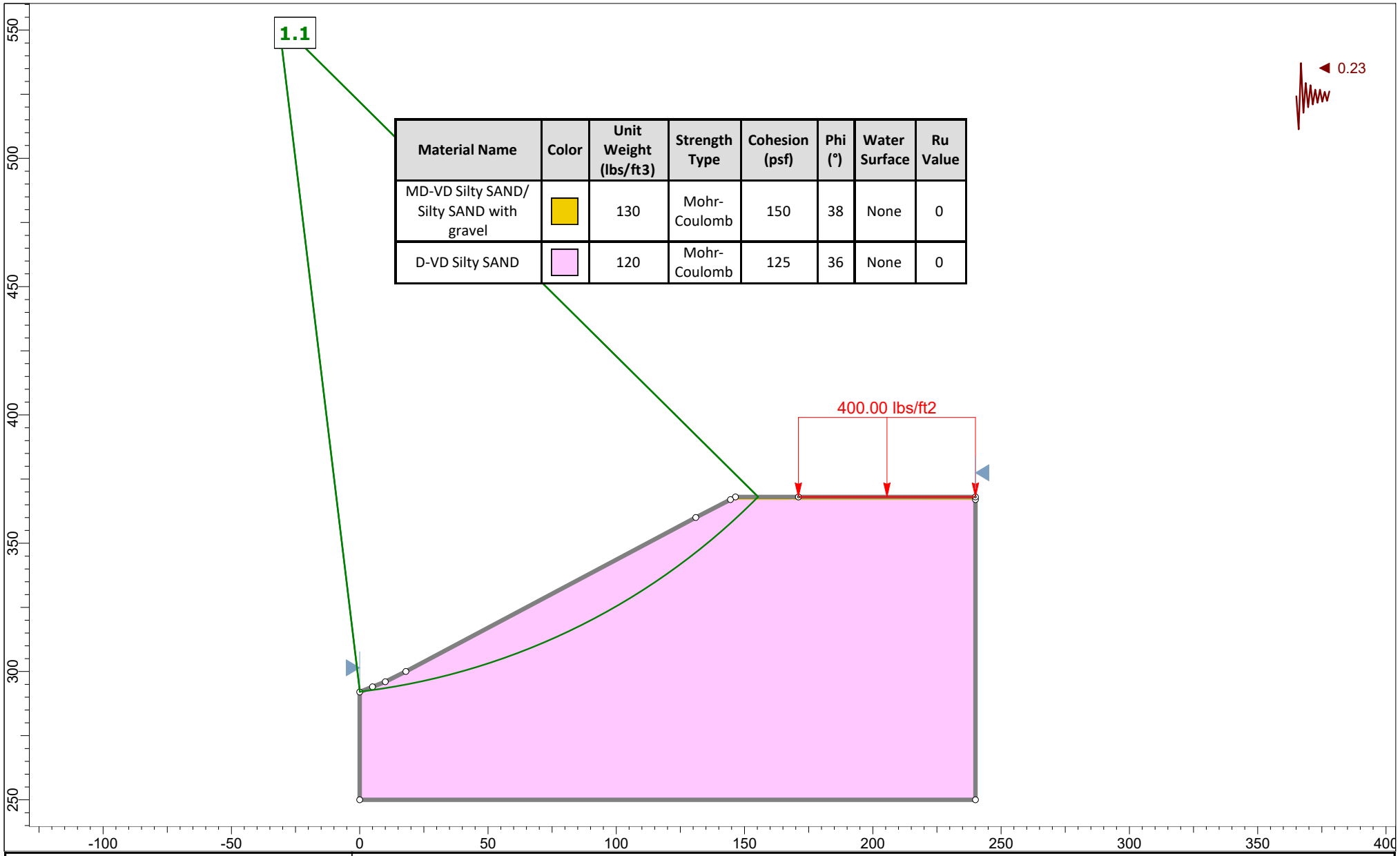



| Material Name | Color | Unit Weight (lbs/ ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/ Silty SAND with | | 130 | Mohr-Coulomb | 150 | 38 | None | 0 |

rocscience

SLIDEINTERPRET 9.040

| | | | |
|---|---|---|---|
| Project | Arlington 360 | | |
| Group | Cross Section CC-CC' | Scenario | Master Scenario |
| Drawn By | C. Decker | Company | Terra Associates, Inc. |
| Date | 11/26/2025 | File Name | Steep Slopes - No Landslide Hazard - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/ Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | None | 0 |
| D-VD Silty SAND | | 120 | Mohr-Coulomb | 125 | 36 | None | 0 |

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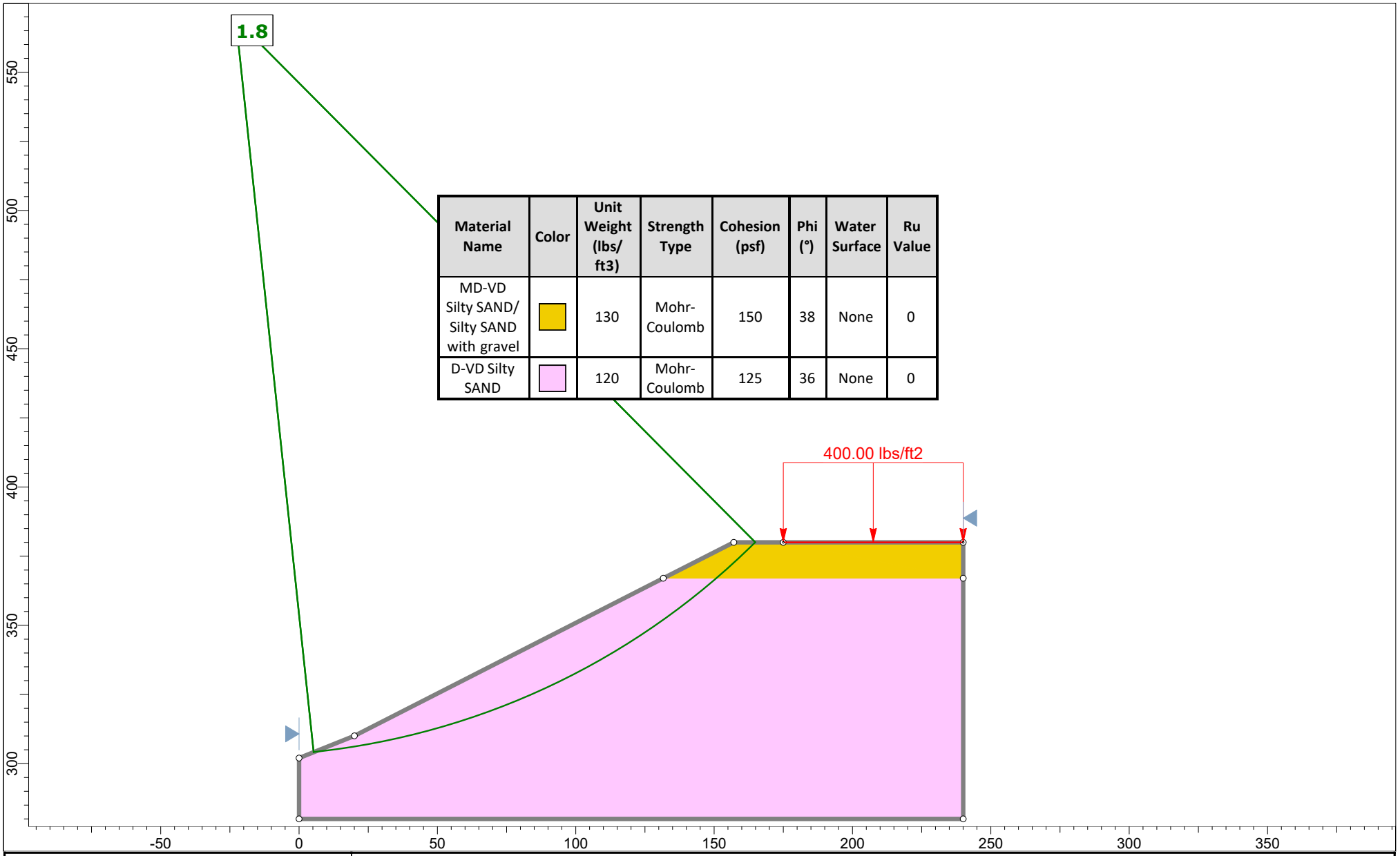
SLIDEINTERPRET 9.040

| | | | |
|---|---|---|---|
| Project | Arlington 360 | | |
| Group | Cross Section CC-CC' | Scenario | Seismic |
| Drawn By | C. Decker | Company | Terra Associates, Inc. |
| Date | 11/26/2025 | File Name | Steep Slopes - No Landslide Hazard - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/ Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | None | 0 |
| D-VD Silty SAND | | 120 | Mohr-Coulomb | 125 | 36 | None | 0 |

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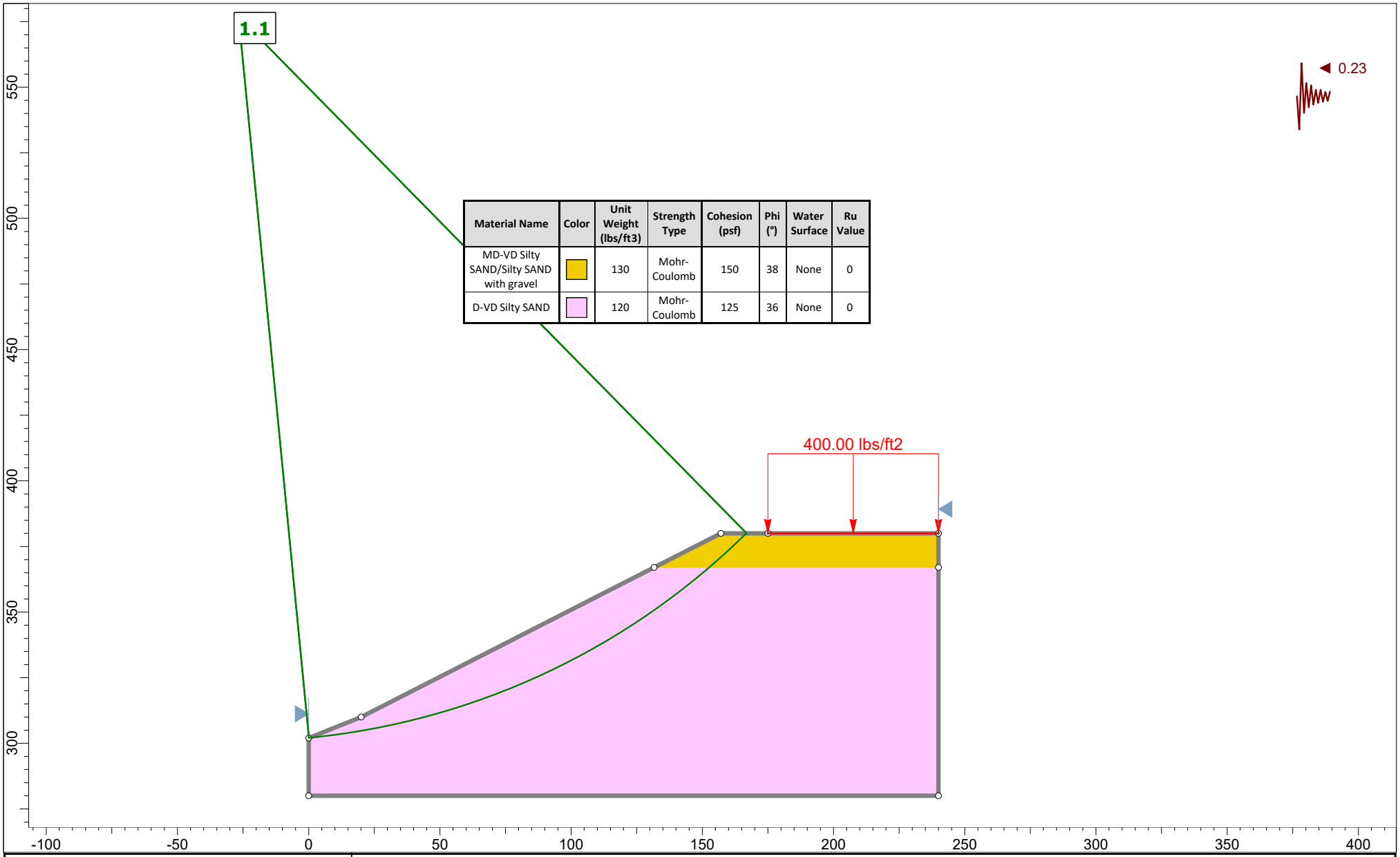
SLIDEINTERPRET 9.040

| | | | |
|---|---|---|---|
| Project | Arlington 360 | | |
| Group | Cross Section DD-DD' | Scenario | Master Scenario |
| Drawn By | C. Decker | Company | Terra Associates, Inc. |
| Date | 11/26/2025 | File Name | Steep Slopes - No Landslide Hazard - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | None | 0 |
| D-VD Silty SAND | | 120 | Mohr-Coulomb | 125 | 36 | None | 0 |

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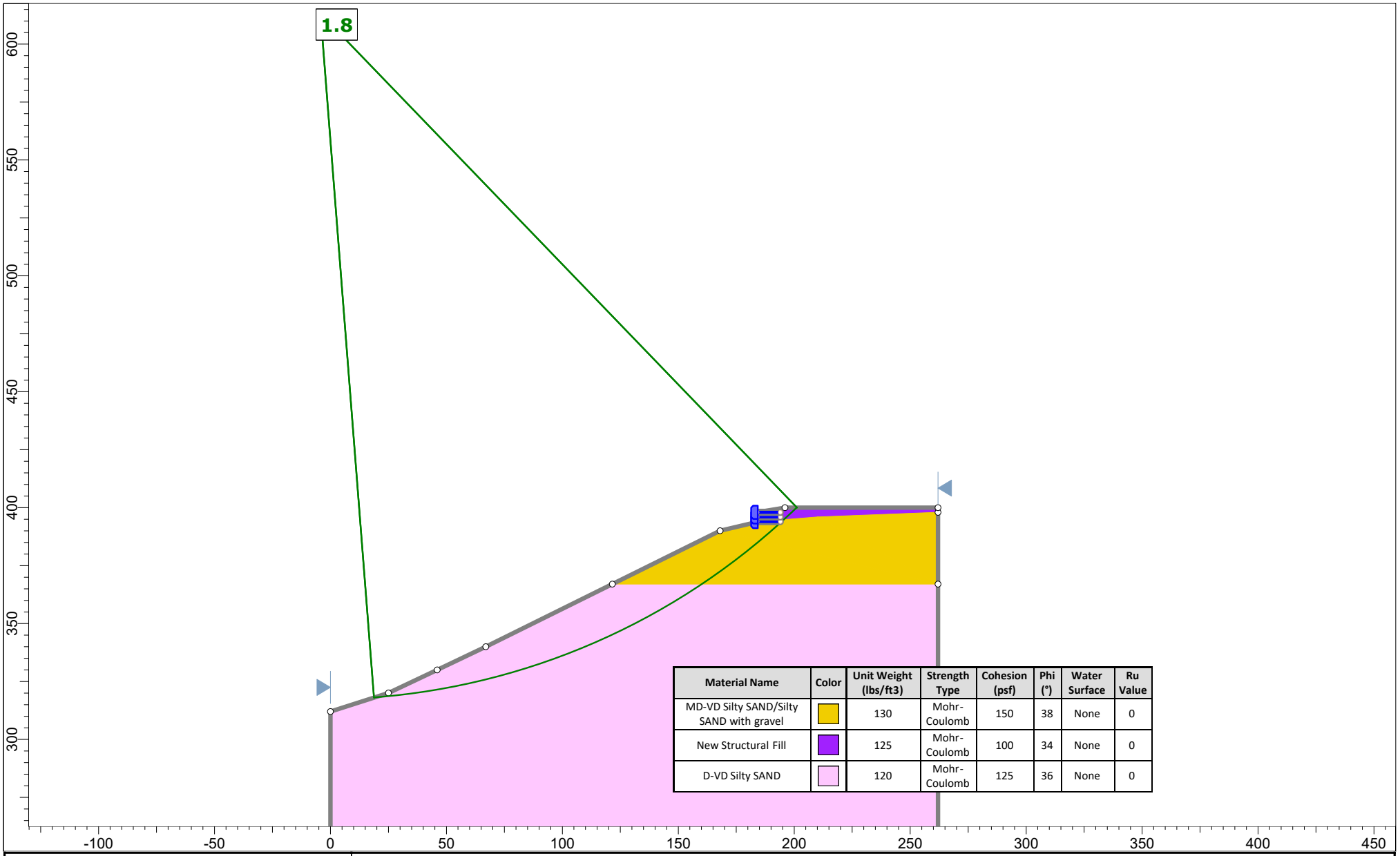
SLIDEINTERPRET 9.040

| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section DD-DD' | *Scenario* | Seismic |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/26/2025 | *File Name* | Steep Slopes - No Landslide Hazard - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | None | 0 |
| New Structural Fill | | 125 | Mohr-Coulomb | 100 | 34 | None | 0 |
| D-VD Silty SAND | | 120 | Mohr-Coulomb | 125 | 36 | None | 0 |

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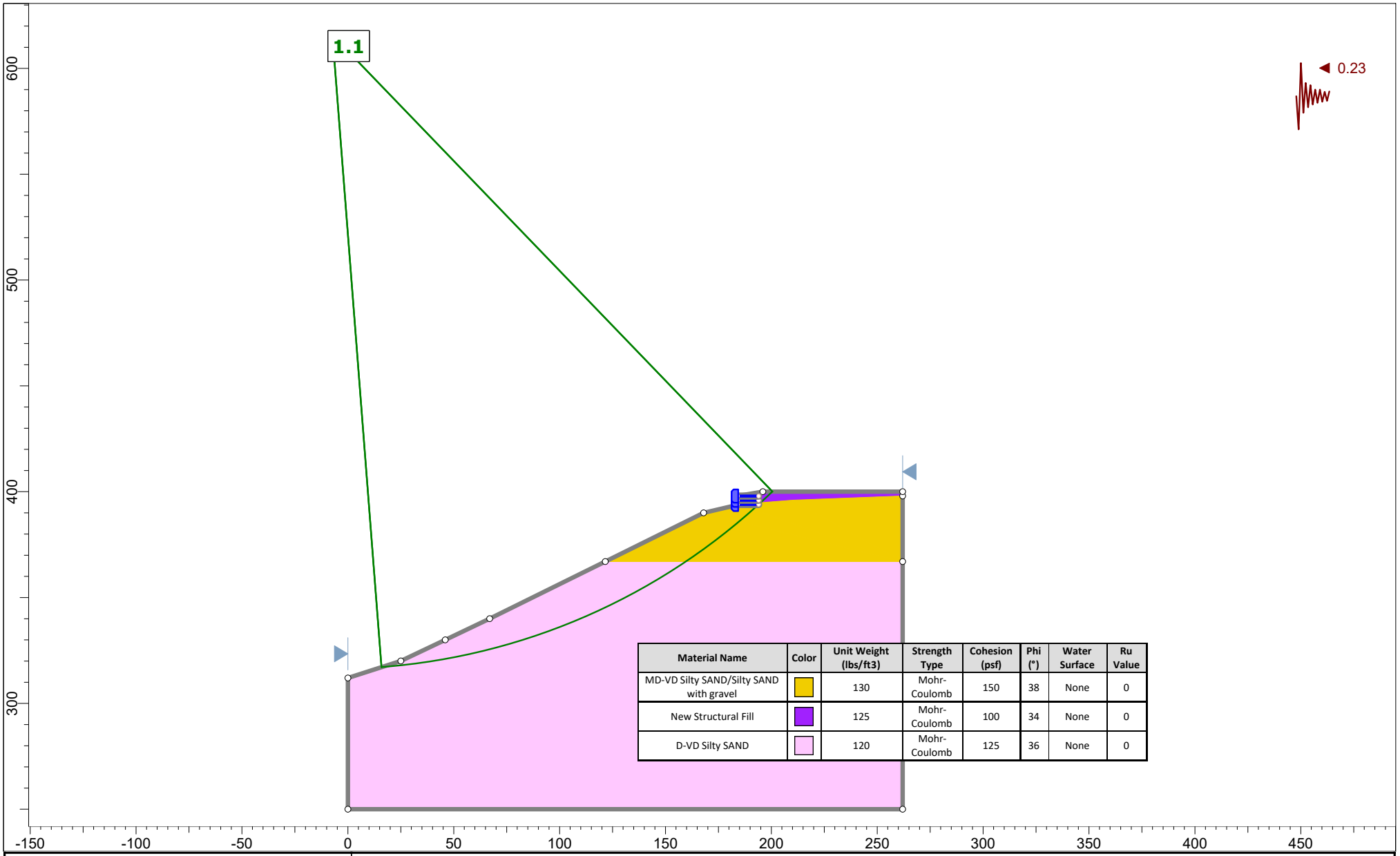
SLIDEINTERPRET 9.040

| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section EE-EE' | *Scenario* | Master Scenario |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/26/2025 | *File Name* | Steep Slopes - No Landslide Hazard - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | None | 0 |
| New Structural Fill | | 125 | Mohr-Coulomb | 100 | 34 | None | 0 |
| D-VD Silty SAND | | 120 | Mohr-Coulomb | 125 | 36 | None | 0 |

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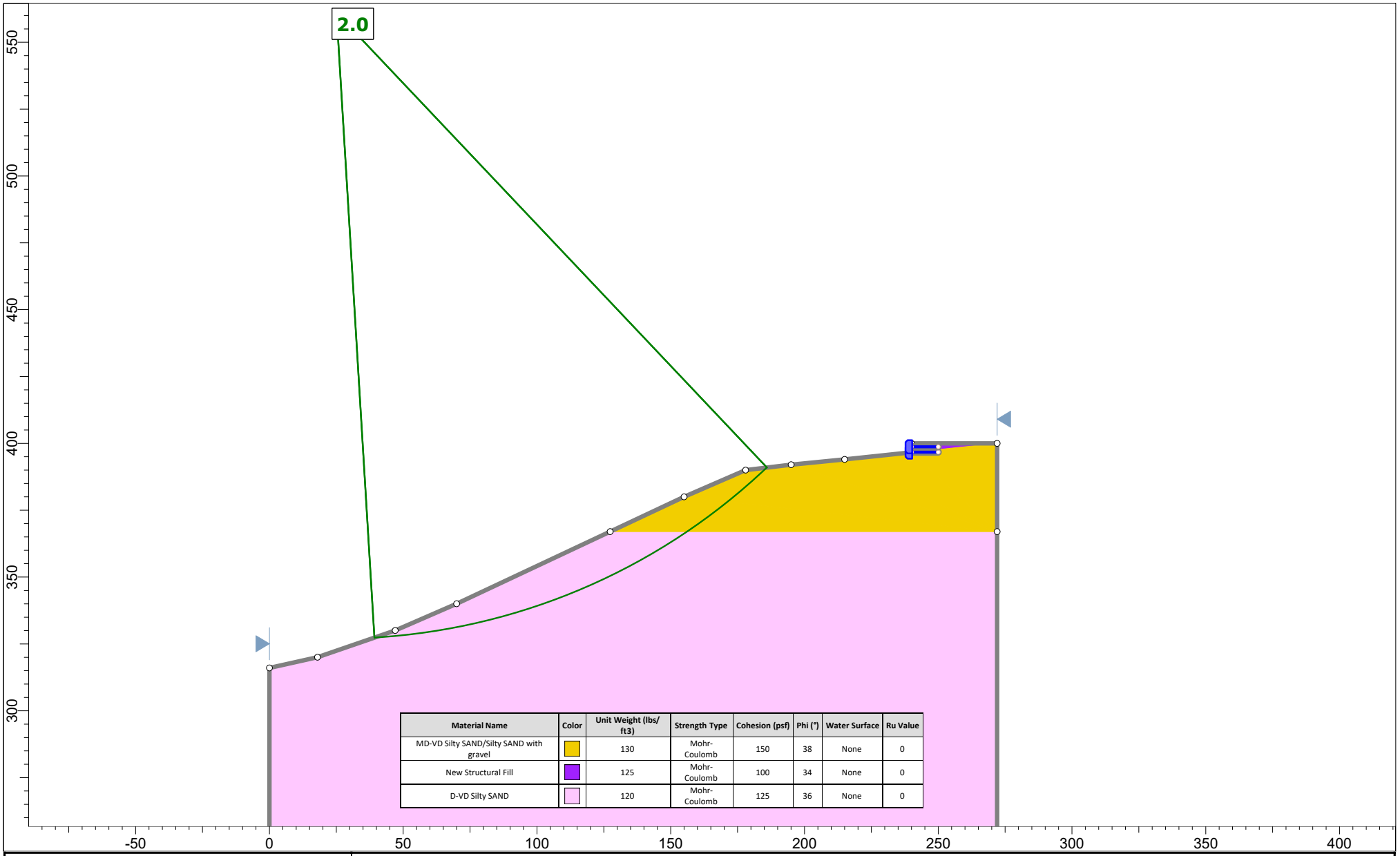
SLIDEINTERPRET 9.040

| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section EE-EE' | *Scenario* | Seismic |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/26/2025 | *File Name* | Steep Slopes - No Landslide Hazard - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | None | 0 |
| New Structural Fill | | 125 | Mohr-Coulomb | 100 | 34 | None | 0 |
| D-VD Silty SAND | | 120 | Mohr-Coulomb | 125 | 36 | None | 0 |

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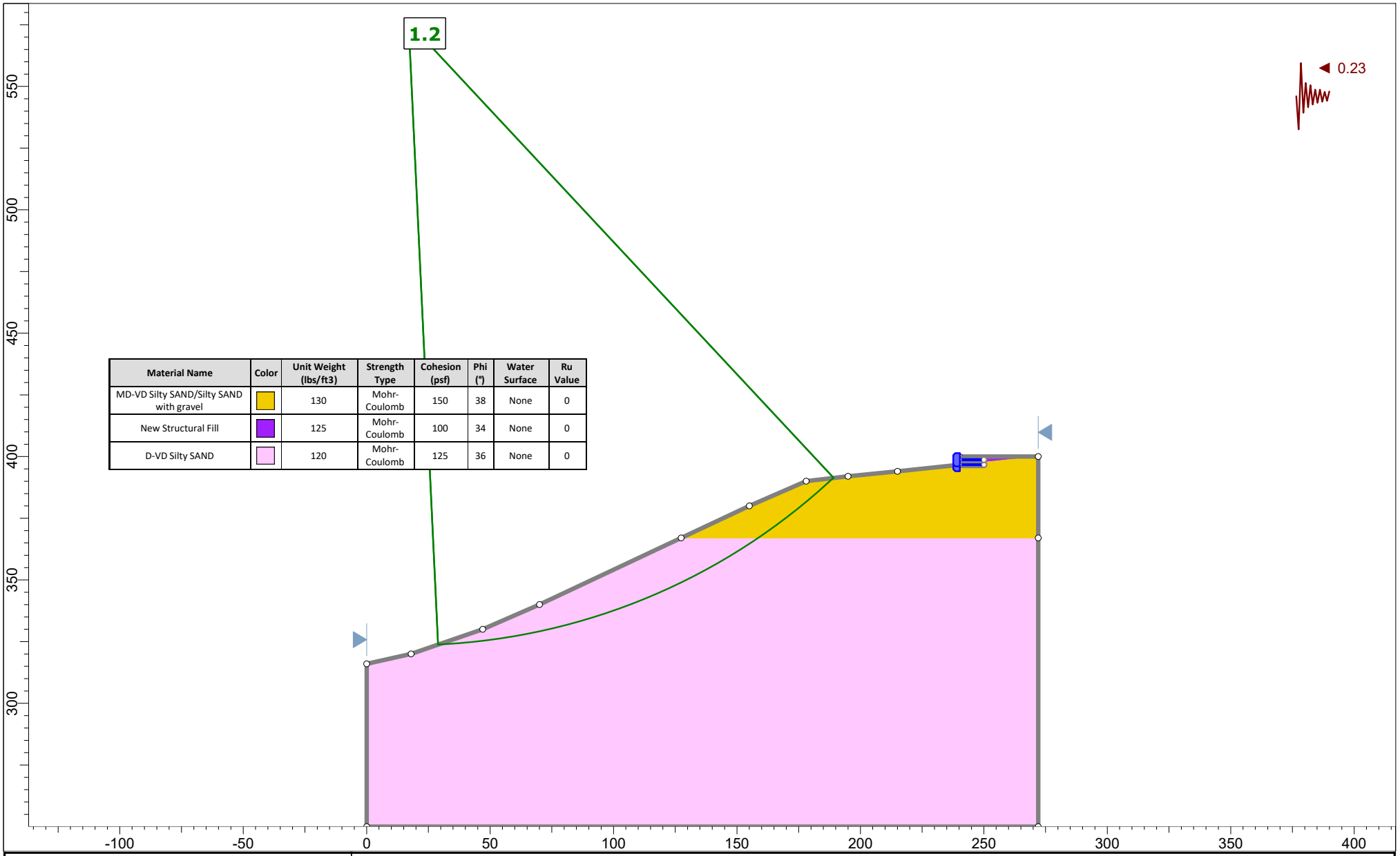
SLIDEINTERPRET 9.040

| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section FF-FF' | *Scenario* | Master Scenario |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/26/2025 | *File Name* | Steep Slopes - No Landslide Hazard - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | None | 0 |
| New Structural Fill | | 125 | Mohr-Coulomb | 100 | 34 | None | 0 |
| D-VD Silty SAND | | 120 | Mohr-Coulomb | 125 | 36 | None | 0 |

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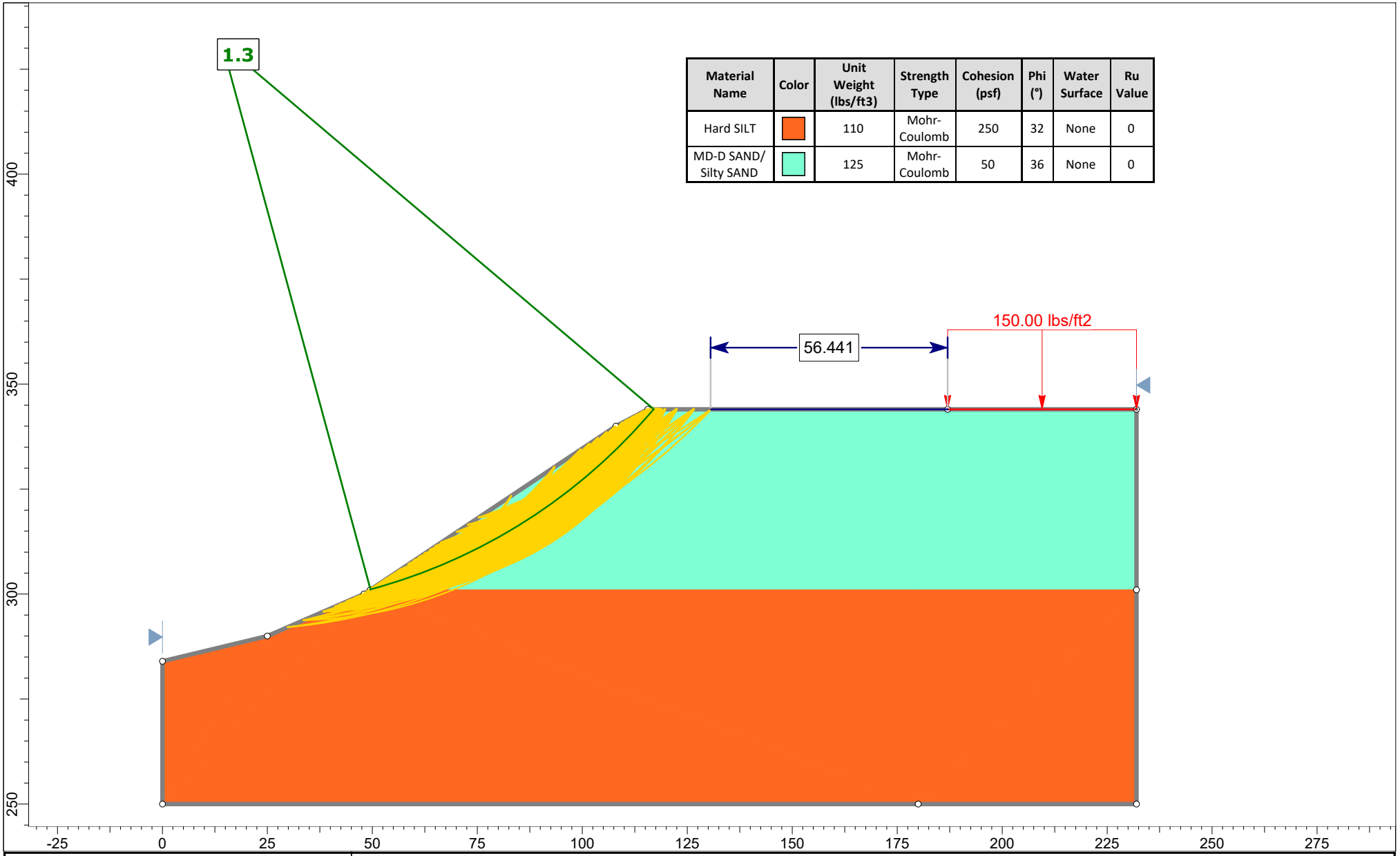
| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section FF-FF' | *Scenario* | Seismic |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/26/2025 | *File Name* | Steep Slopes - No Landslide Hazard - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| Hard SILT | | 110 | Mohr-Coulomb | 250 | 32 | None | 0 |
| MD-D SAND/ Silty SAND | | 125 | Mohr-Coulomb | 50 | 36 | None | 0 |

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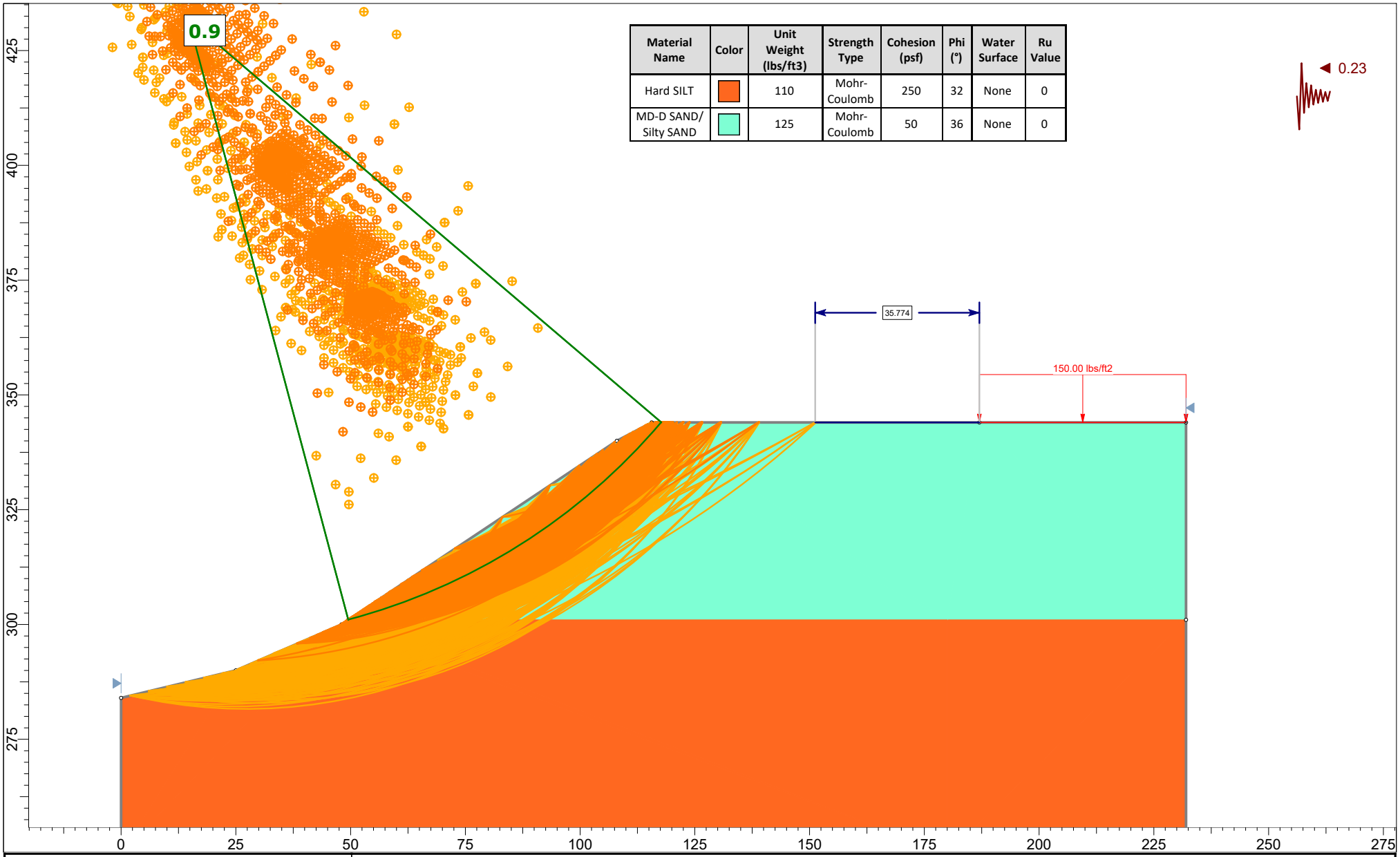
| | | | |
|---|---|---|---|
| Project | Arlington 360 | | |
| Group | Cross Section GG-GG' | Scenario | Master Scenario |
| Drawn By | C. Decker | Company | Terra Associates, Inc. |
| Date | 11/26/2025 | File Name | Steep Slopes - No Landslide Hazard - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| Hard SILT | | 110 | Mohr-Coulomb | 250 | 32 | None | 0 |
| MD-D SAND/ Silty SAND | | 125 | Mohr-Coulomb | 50 | 36 | None | 0 |

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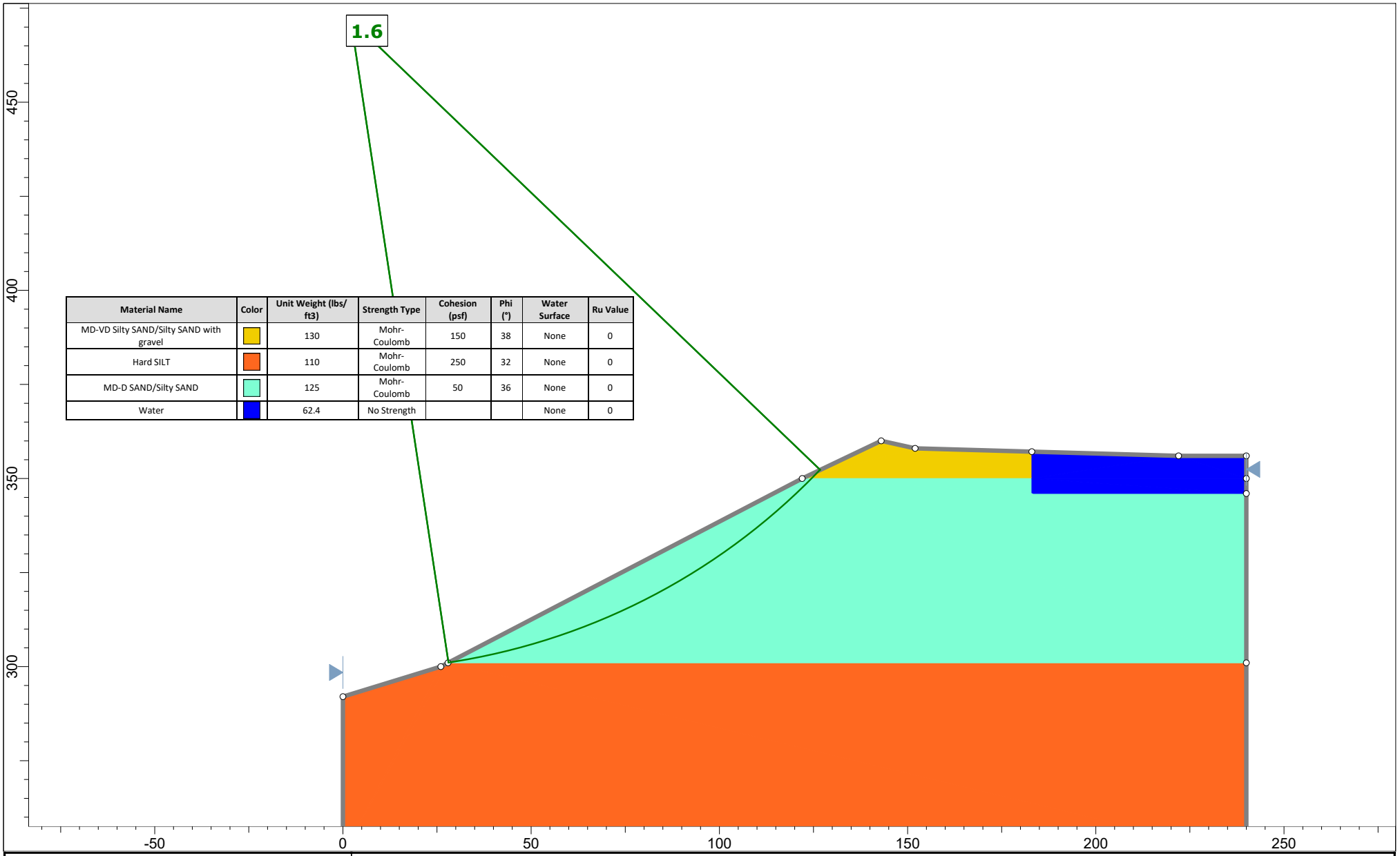
| | | | |
|---|---|---|---|
| Project | Arlington 360 | | |
| Group | Cross Section GG-GG' | Scenario | Seismic |
| Drawn By | C. Decker | Company | Terra Associates, Inc. |
| Date | 11/26/2025 | File Name | Steep Slopes - No Landslide Hazard - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | None | 0 |
| Hard SILT | | 110 | Mohr-Coulomb | 250 | 32 | None | 0 |
| MD-D SAND/Silty SAND | | 125 | Mohr-Coulomb | 50 | 36 | None | 0 |
| Water | | 62.4 | No Strength | | | None | 0 |

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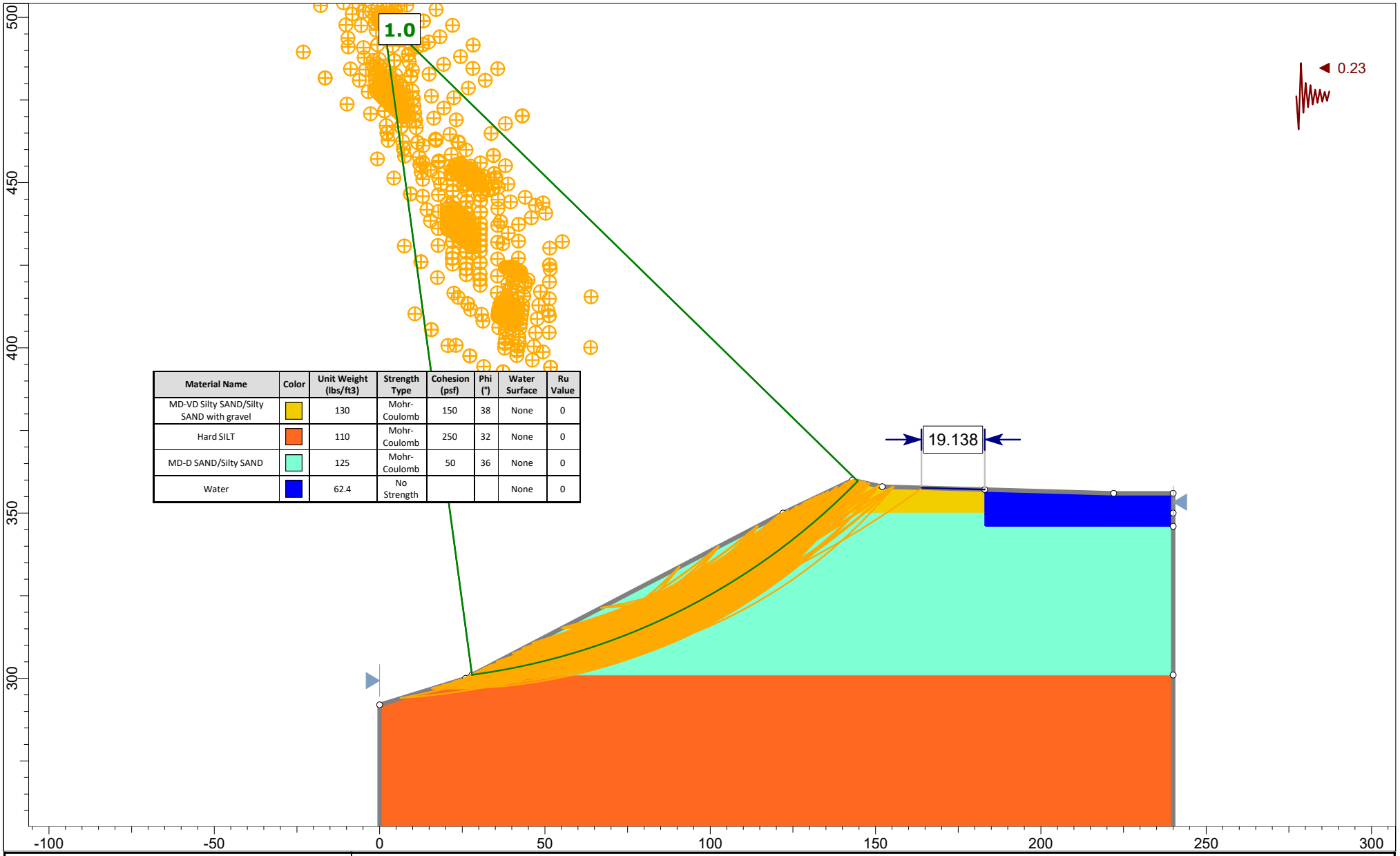
| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section HH-HH' | *Scenario* | Master Scenario |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/26/2025 | *File Name* | Steep Slopes - No Landslide Hazard - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | None | 0 |
| Hard SILT | | 110 | Mohr-Coulomb | 250 | 32 | None | 0 |
| MD-D SAND/Silty SAND | | 125 | Mohr-Coulomb | 50 | 36 | None | 0 |
| Water | | 62.4 | No Strength | | | None | 0 |

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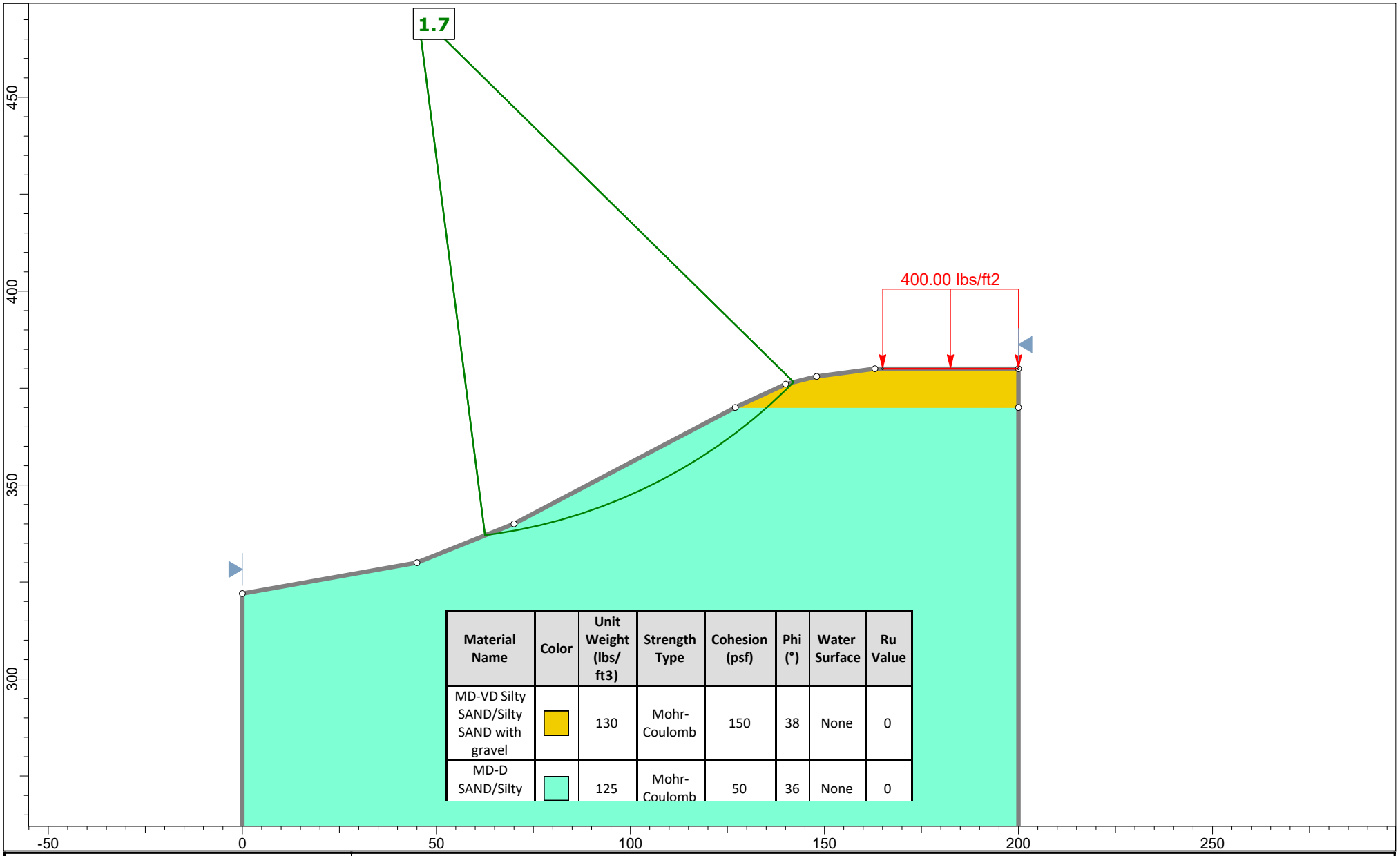
| | | | |
|---|---|---|---|
| *Project* | Arlington 360 | | |
| *Group* | Cross Section HH-HH' | *Scenario* | Seismic |
| *Drawn By* | C. Decker | *Company* | Terra Associates, Inc. |
| *Date* | 11/26/2025 | *File Name* | Steep Slopes - No Landslide Hazard - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | None | 0 |
| MD-D SAND/Silty | | 125 | Mohr-Coulomb | 50 | 36 | None | 0 |

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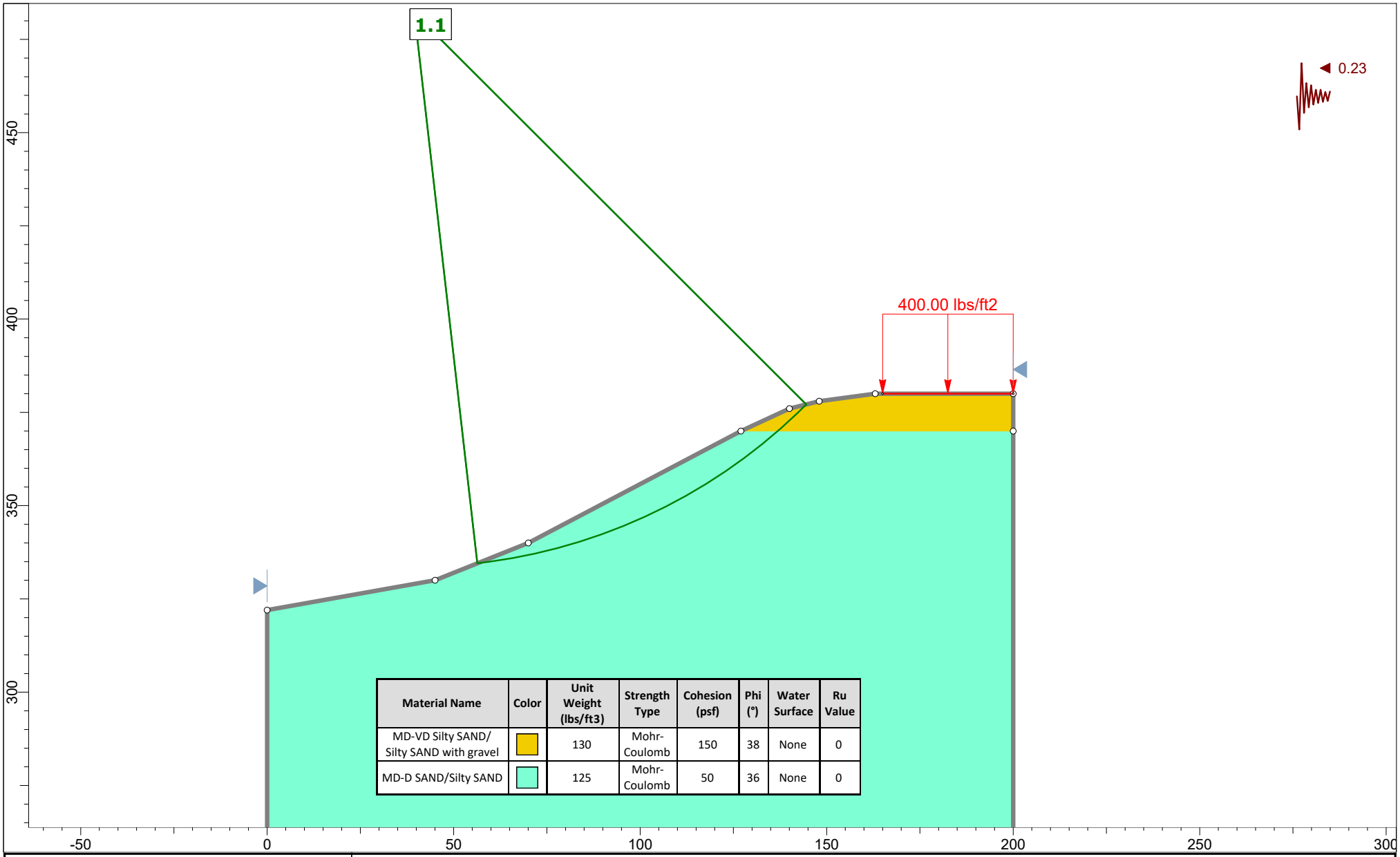
| | | | |
|---|---|---|---|
| Project | Arlington 360 | | |
| Group | Cross Section II-II' | Scenario | Master Scenario |
| Drawn By | C. Decker | Company | Terra Associates, Inc. |
| Date | 11/26/2025 | File Name | Steep Slopes - No Landslide Hazard - Post Construction Conditions - November 2025.slmd |




| Material Name | Color | Unit Weight (lbs/ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/ Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | None | 0 |
| MD-D SAND/Silty SAND | | 125 | Mohr-Coulomb | 50 | 36 | None | 0 |

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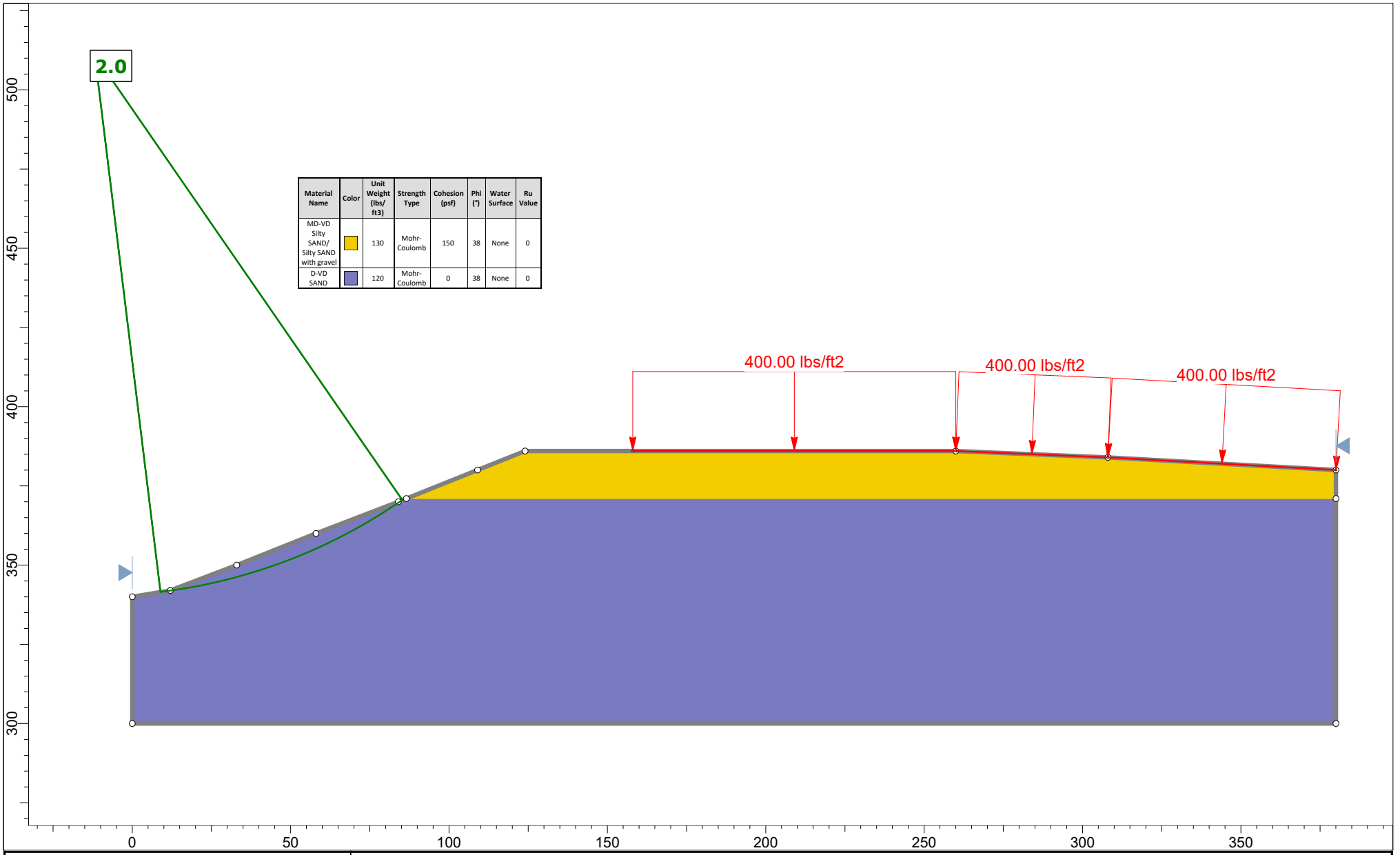
| | | | |
|---|---|---|---|
| Project | Arlington 360 | | |
| Group | Cross Section II-II' | Scenario | Seismic |
| Drawn By | C. Decker | Company | Terra Associates, Inc. |
| Date | 11/26/2025 | File Name | Steep Slopes - No Landslide Hazard - Post Construction Conditions - November 2025.slmd |




| | | | |
|---|---|---|---|
| rocscience | Project | Arlington 360 | |
| | Group | Cross Section JJ-JJ' | Scenario: Master Scenario |
| | Drawn By | C. Decker | Company: Terra Associates, Inc. |
| | Date | 11/26/2025 | File Name: Steep Slopes - No Landslide Hazard - Post Construction Conditions - November 2025.slmd |

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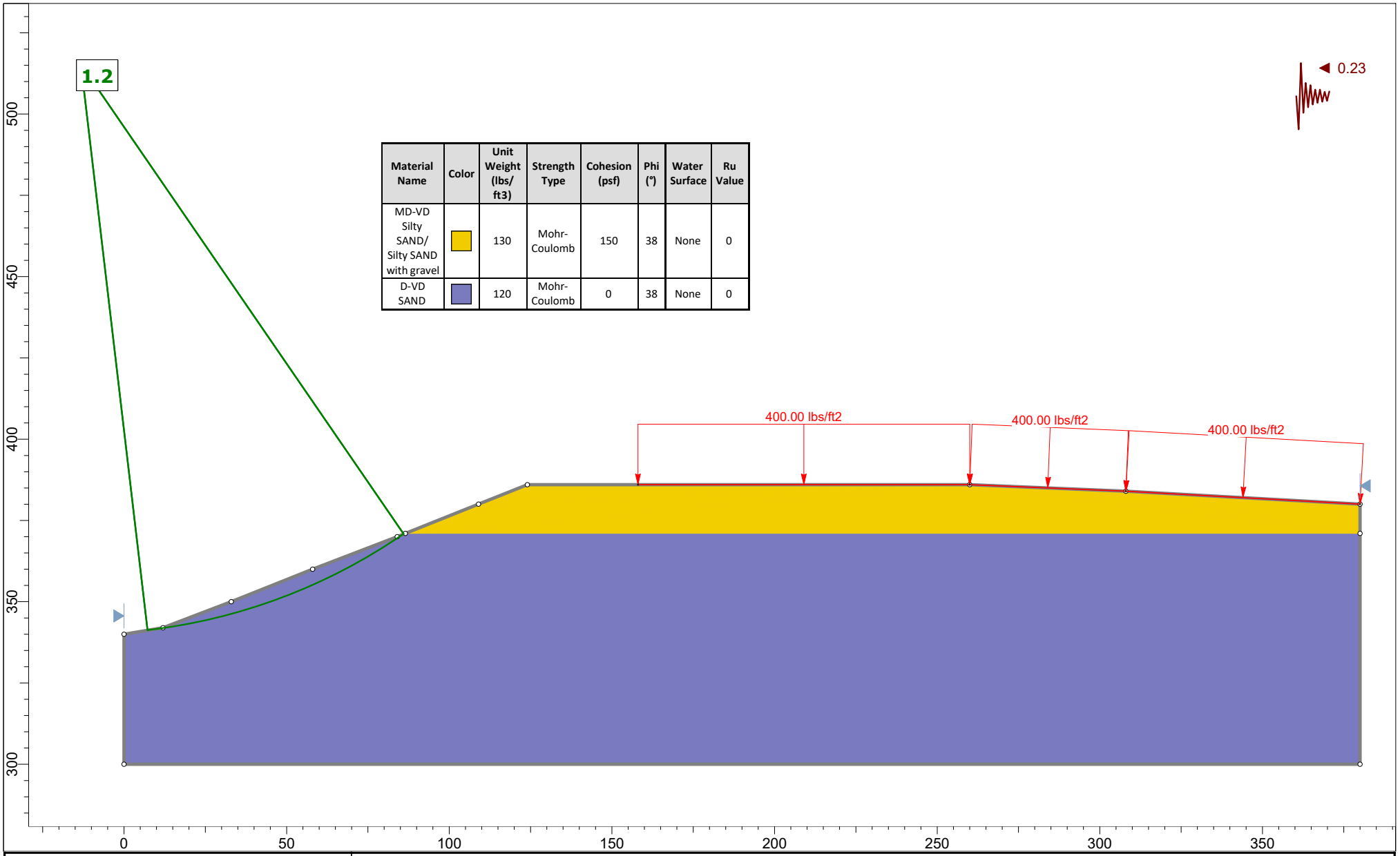


| Material Name | Color | Unit Weight (lbs/ ft3) | Strength Type | Cohesion (psf) | Phi (°) | Water Surface | Ru Value |
|---|---|---|---|---|---|---|---|
| MD-VD Silty SAND/ Silty SAND with gravel | | 130 | Mohr-Coulomb | 150 | 38 | None | 0 |
| D-VD SAND | | 120 | Mohr-Coulomb | 0 | 38 | None | 0 |

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| | | | |
|---|---|---|---|
| Project | Arlington 360 | | |
| Group | Cross Section JJ-JJ' | Scenario | Seismic |
| Drawn By | C. Decker | Company | Terra Associates, Inc. |
| Date | 11/26/2025 | File Name | Steep Slopes - No Landslide Hazard - Post Construction Conditions - November 2025.slmd |

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Steep Slopes - No Landslide Hazard - Post Construction Conditions - November 2025
Arlington 360
Terra Associates, Inc.
Date Created: 11/26/2025
Software Version: 9.04

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# Slide2 Analysis Information

# Steep Slopes - No Landslide Hazard - Post Construction Conditions - November 2025

## Project Summary

| | |
|---|---|
| File Name: | Steep Slopes - No Landslide Hazard - Post Construction Conditions - November 2025.slmd |
| Slide2 Modeler Version: | 9.04 |
| Project Title: | Arlington 360 |
| Analysis: | Steep Slopes without a Landslide Hazard - Post Construction Conditions |
| Author: | C. Decker |
| Company: | Terra Associates, Inc. |
| Date Created: | 11/26/2025 |

### Currently Open Scenarios

| Group Name | Scenario Name | Global Minimum | Compute Time |
|---|---|---|---|
| Cross Section AA-AA' | Master Scenario | Bishop Simplified: 1.861240<br>Janbu Simplified: 1.783360 | 00h:00m:02.307s |
| | Seismic | Bishop Simplified: 1.186530<br>Janbu Simplified: 1.137440 | 00h:00m:02.69s |
| Cross Section BB-BB' | Master Scenario | Bishop Simplified: 1.639980<br>Janbu Simplified: 1.581560 | 00h:00m:01.779s |
| | Seismic | Bishop Simplified: 1.051280<br>Janbu Simplified: 1.007790 | 00h:00m:01.754s |
| Cross Section CC-CC' | Master Scenario | Bishop Simplified: 1.699830<br>Janbu Simplified: 1.635190 | 00h:00m:01.679s |
| | Seismic | Bishop Simplified: 1.068140<br>Janbu Simplified: 1.022190 | 00h:00m:01.617s |

| | | | |
|---|---|---|---|
| Cross Section DD-DD' | Master Scenario | Bishop Simplified: 1.757380<br>Janbu Simplified: 1.689700 | 00h:00m:01.785s |
| | Seismic | Bishop Simplified: 1.094950<br>Janbu Simplified: 1.048170 | 00h:00m:01.762s |
| Cross Section EE-EE' | Master Scenario | Bishop Simplified: 1.822850<br>Janbu Simplified: 1.750820 | 00h:00m:01.802s |
| | Seismic | Bishop Simplified: 1.121690<br>Janbu Simplified: 1.075360 | 00h:00m:01.978s |
| Cross Section FF-FF' | Master Scenario | Bishop Simplified: 1.952540<br>Janbu Simplified: 1.869340 | 00h:00m:01.893s |
| | Seismic | Bishop Simplified: 1.192690<br>Janbu Simplified: 1.137880 | 00h:00m:01.963s |
| Cross Section GG-GG' | Master Scenario | Bishop Simplified: 1.330220<br>Janbu Simplified: 1.287640 | 00h:00m:01.520s |
| | Seismic | Bishop Simplified: 0.865524<br>Janbu Simplified: 0.830664 | 00h:00m:01.807s |
| Cross Section HH-HH' | Master Scenario | Bishop Simplified: 1.626840<br>Janbu Simplified: 1.581570 | 00h:00m:01.639s |
| | Seismic | Bishop Simplified: 1.013610<br>Janbu Simplified: 0.982602 | 00h:00m:01.553s |
| Cross Section II-II' | Master Scenario | Bishop Simplified: 1.699790<br>Janbu Simplified: 1.636380 | 00h:00m:01.828s |
| | Seismic | Bishop Simplified: 1.060820<br>Janbu Simplified: 1.019650 | 00h:00m:01.875s |

| | | | |
|---|---|---|---|
| Cross Section JJ-JJ' | Master Scenario | Bishop Simplified: 2.048490<br>Janbu Simplified: 2.021520 | 00h:00m:01.437s |
| | Seismic | Bishop Simplified: 1.178830<br>Janbu Simplified: 1.161260 | 00h:00m:01.577s |

# General Settings

| | |
|---|---|
| Units of Measurement: | Imperial Units |
| Time Units: | days |
| Permeability Units: | feet/second |
| Data Output: | Standard |
| Failure Direction: | Right to Left |

# Analysis Options

## All Open Scenarios

| | |
|---|---|
| Slices Type: | Vertical |
| **Analysis Methods Used** | |
| | Bishop simplified |
| | Janbu simplified |
| Number of slices: | 50 |
| Tolerance: | 0.005 |
| Maximum number of iterations: | 75 |
| Check malpha < 0.2: | Yes |
| Create Interslice boundaries at intersections with water tables and piezos: | Yes |
| Initial trial value of FS: | 1 |
| Steffensen Iteration: | Yes |

# Groundwater Analysis

## All Open Scenarios

| | |
|---|---|
| Groundwater Method: | Water Surfaces |
| Pore Fluid Unit Weight [lbs/ft3]: | 62.4 |
| Advanced Groundwater Method: | None |

# Random Numbers

## All Open Scenarios

| | |
|---|---|
| Pseudo-random Seed: | 10116 |
| Random Number Generation Method: | Park and Miller v.3 |

# Surface Options

## Cross Section AA-AA'

| | |
|---|---|
| Surface Type: | Circular |
| Search Method: | Auto Refine Search |
| Divisions along slope: | 20 |
| Circles per division: | 10 |
| Number of iterations: | 10 |
| Divisions to use in next iteration: | 50% |
| Composite Surfaces: | Disabled |
| Minimum Elevation: | Not Defined |
| Minimum Depth: | Not Defined |
| Minimum Area: | Not Defined |
| Minimum Weight: | Not Defined |

## Cross Section BB-BB'

| | |
|---|---|
| Surface Type: | Circular |
| Search Method: | Auto Refine Search |
| Divisions along slope: | 20 |
| Circles per division: | 10 |
| Number of iterations: | 10 |
| Divisions to use in next iteration: | 50% |
| Composite Surfaces: | Disabled |
| Minimum Elevation: | Not Defined |
| Minimum Depth: | Not Defined |
| Minimum Area: | Not Defined |
| Minimum Weight: | Not Defined |

## Cross Section CC-CC'

| | |
|---|---|
| Surface Type: | Circular |
| Search Method: | Auto Refine Search |
| Divisions along slope: | 20 |
| Circles per division: | 10 |
| Number of iterations: | 10 |
| Divisions to use in next iteration: | 50% |
| Composite Surfaces: | Disabled |
| Minimum Elevation: | Not Defined |
| Minimum Depth: | Not Defined |
| Minimum Area: | Not Defined |
| Minimum Weight: | Not Defined |

## Cross Section DD-DD'

| | |
|---|---|
| Surface Type: | Circular |
| Search Method: | Auto Refine Search |
| Divisions along slope: | 20 |
| Circles per division: | 10 |
| Number of iterations: | 10 |
| Divisions to use in next iteration: | 50% |
| Composite Surfaces: | Disabled |
| Minimum Elevation: | Not Defined |
| Minimum Depth: | Not Defined |
| Minimum Area: | Not Defined |
| Minimum Weight: | Not Defined |

## Cross Section EE-EE'

| | |
|---|---|
| Surface Type: | Circular |
| Search Method: | Auto Refine Search |
| Divisions along slope: | 20 |
| Circles per division: | 10 |
| Number of iterations: | 10 |
| Divisions to use in next iteration: | 50% |
| Composite Surfaces: | Disabled |
| Minimum Elevation: | Not Defined |
| Minimum Depth: | Not Defined |
| Minimum Area: | Not Defined |
| Minimum Weight: | Not Defined |

## Cross Section FF-FF'

| | |
|---|---|
| Surface Type: | Circular |
| Search Method: | Auto Refine Search |
| Divisions along slope: | 20 |
| Circles per division: | 10 |
| Number of iterations: | 10 |
| Divisions to use in next iteration: | 50% |
| Composite Surfaces: | Disabled |
| Minimum Elevation: | Not Defined |
| Minimum Depth: | Not Defined |
| Minimum Area: | Not Defined |
| Minimum Weight: | Not Defined |

## Cross Section GG-GG'

| | |
|---|---|
| Surface Type: | Circular |
| Search Method: | Auto Refine Search |
| Divisions along slope: | 20 |
| Circles per division: | 10 |
| Number of iterations: | 10 |
| Divisions to use in next iteration: | 50% |
| Composite Surfaces: | Disabled |
| Minimum Elevation: | Not Defined |
| Minimum Depth: | Not Defined |
| Minimum Area: | Not Defined |
| Minimum Weight: | Not Defined |

## Cross Section HH-HH'

| | |
|---|---|
| Surface Type: | Circular |
| Search Method: | Auto Refine Search |
| Divisions along slope: | 20 |
| Circles per division: | 10 |
| Number of iterations: | 10 |
| Divisions to use in next iteration: | 50% |
| Composite Surfaces: | Disabled |
| Minimum Elevation: | Not Defined |
| Minimum Depth: | Not Defined |
| Minimum Area: | Not Defined |
| Minimum Weight: | Not Defined |

## Cross Section II-II'

| | |
|---|---|
| Surface Type: | Circular |
| Search Method: | Auto Refine Search |
| Divisions along slope: | 20 |
| Circles per division: | 10 |
| Number of iterations: | 10 |
| Divisions to use in next iteration: | 50% |
| Composite Surfaces: | Disabled |
| Minimum Elevation: | Not Defined |
| Minimum Depth: | Not Defined |
| Minimum Area: | Not Defined |
| Minimum Weight: | Not Defined |

## Cross Section JJ-JJ'

| | |
|---|---|
| Surface Type: | Circular |
| Search Method: | Auto Refine Search |
| Divisions along slope: | 20 |
| Circles per division: | 10 |
| Number of iterations: | 10 |
| Divisions to use in next iteration: | 50% |
| Composite Surfaces: | Disabled |
| Minimum Elevation: | Not Defined |
| Minimum Depth [ft]: | 5 |
| Minimum Area: | Not Defined |
| Minimum Weight: | Not Defined |

# Seismic Loading

## Cross Section AA-AA' - Master Scenario

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |

## Cross Section AA-AA' - Seismic

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |
| Seismic Load Coefficient (Horizontal): | 0.23 |

## Cross Section BB-BB' - Master Scenario

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |

## Cross Section BB-BB' - Seismic

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |
| Seismic Load Coefficient (Horizontal): | 0.23 |

## Cross Section CC-CC' - Master Scenario

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |

## Cross Section CC-CC' - Seismic

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |
| Seismic Load Coefficient (Horizontal): | 0.23 |

## Cross Section DD-DD' - Master Scenario

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |

## Cross Section DD-DD' - Seismic

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |
| Seismic Load Coefficient (Horizontal): | 0.23 |

## Cross Section EE-EE' - Master Scenario

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |

## Cross Section EE-EE' - Seismic

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |
| Seismic Load Coefficient (Horizontal): | 0.23 |

## Cross Section FF-FF' - Master Scenario

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |

## Cross Section FF-FF' - Seismic

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |
| Seismic Load Coefficient (Horizontal): | 0.23 |

## Cross Section GG-GG' - Master Scenario

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |

## Cross Section GG-GG' - Seismic

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |
| Seismic Load Coefficient (Horizontal): | 0.23 |

## Cross Section HH-HH' - Master Scenario

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |

## Cross Section HH-HH' - Seismic

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |
| Seismic Load Coefficient (Horizontal): | 0.23 |

## Cross Section II-II' - Master Scenario

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |

## Cross Section II-II' - Seismic

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |
| Seismic Load Coefficient (Horizontal): | 0.23 |

## Cross Section JJ-JJ' - Master Scenario

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |

## Cross Section JJ-JJ' - Seismic

| | |
|---|---|
| Advanced seismic analysis: | No |
| Staged pseudostatic analysis: | No |
| Seismic Load Coefficient (Horizontal): | 0.23 |

# Loading

## Cross Section AA-AA'

 

| | |
|---|---|
| Distribution: | Constant |
| Magnitude [psf]: | 400 |
| Orientation: | Normal to boundary |

## Cross Section BB-BB'

 

| | |
|---|---|
| Distribution: | Constant |
| Magnitude [psf]: | 400 |
| Orientation: | Normal to boundary |

## Cross Section CC-CC'

 

| | |
|---|---|
| Distribution: | Constant |
| Magnitude [psf]: | 400 |
| Orientation: | Normal to boundary |

## Cross Section DD-DD'

 

| | |
|---|---|
| Distribution: | Constant |
| Magnitude [psf]: | 400 |
| Orientation: | Normal to boundary |

## Cross Section GG-GG'

 

| | |
|---|---|
| Distribution: | Constant |
| Magnitude [psf]: | 150 |
| Orientation: | Normal to boundary |

## Cross Section II-II'

 

| | |
|---|---|
| Distribution: | Constant |
| Magnitude [psf]: | 400 |
| Orientation: | Normal to boundary |

## Cross Section JJ-JJ'

 

| | |
|---|---|
| Distribution: | Constant |
| Magnitude [psf]: | 400 |
| Orientation: | Normal to boundary |

# Materials

| MD-VD Silty SAND/Silty SAND with gravel | |
|---|---|
| Color | |
| Strength Type | Mohr-Coulomb |
| Unit Weight | 130 lbs/ft3 |
| Cohesion | 150 psf |
| Phi | 38 ° |
| Water Surface | Assigned per scenario |
| Ru Value | 0 |

| Hard SILT | |
|---|---|
| Color | |
| Strength Type | Mohr-Coulomb |
| Unit Weight | 110 lbs/ft3 |
| Cohesion | 250 psf |
| Phi | 32 ° |
| Water Surface | Assigned per scenario |
| Ru Value | 0 |

| D-VD SAND | |
|---|---|
| Color | |
| Strength Type | Mohr-Coulomb |
| Unit Weight | 120 lbs/ft3 |
| Cohesion | 0 psf |
| Phi | 38 ° |
| Water Surface | Assigned per scenario |
| Ru Value | 0 |

| MD-D SAND/Silty SAND | |
|---|---|
| Color | |
| Strength Type | Mohr-Coulomb |
| Unit Weight | 125 lbs/ft3 |
| Cohesion | 50 psf |
| Phi | 36 ° |
| Water Surface | Assigned per scenario |
| Ru Value | 0 |

| New Structural Fill | |
|---|---|
| Color | |
| Strength Type | Mohr-Coulomb |
| Unit Weight | 125 lbs/ft3 |
| Cohesion | 100 psf |
| Phi | 34 ° |
| Water Surface | Assigned per scenario |
| Ru Value | 0 |

| D-VD Silty SAND | |
|---|---|
| Color | |
| Strength Type | Mohr-Coulomb |
| Unit Weight | 120 lbs/ft3 |
| Cohesion | 125 psf |
| Phi | 36 ° |
| Water Surface | Assigned per scenario |
| Ru Value | 0 |

| Water | |
|---|---|
| Color | |
| Strength Type | No Strength |
| Unit Weight | 62.4 lbs/ft3 |
| Water Surface | Assigned per scenario |
| Ru Value | 0 |

## Materials In Use

| Material | Cross Section AA-AA' | Seismic | Cross Section BB-BB' | Seismic | Cross Section CC-CC' | Seismic | Cross Section DD-DD' | Seismic | Cross Section EE-EE' | Seismic | Cross Section FF-FF' | Seismic | Cross Section GG-GG' | Seismic | Cross Section HH-HH' | Seismic | Cross Section II-II' | Seismic | Cross Section JJ-JJ' | Seismic |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MD-V SANI SANI grave | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Hard | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ |
| D-VD | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |
| MD-D SANI SANI | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ |
| New Fill | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ |
| D-VD SANI | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ |
| Wate | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ |

# Support

| Mirafi 5XT | |
|---|---|
| Color | |
| Type | Geosynthetic |
| Force Application | Active (Method A) |
| Force Orientation | Parallel to Reinforcement |
| Selected Manufacturer | TenCate Miragrid 5XT |
| Ultimate Tensile Strength | 4701 lbs/ft |
| Creep Reduction Factor (RFcr) | 1.44 |
| Installation Damage Factor (RFid) | 1.05 |
| Deterioration in Service Factor (RFd) | 1.1 |
| Factor of Safety (Fr) | 1.5 |
| Strip Coverage (%) | 100 |
| Allowable Tensile Strength | 1884.16 lbs/ft |
| Anchorage | Slope Face |
| Connection Strength Input | Constant |
| Connection Strength | 40 lbs/ft |
| Input Type | Friction Angle & Adhesion |
| Shear Strength Model | Linear |
| Adhesion | 100 psf |
| Friction Angle | 40 ° |
| Material Dependent | No |
| Use External Loads in Strength Computation | Yes |
| Consider Sliding Along Interface | No |

# Global Minimums

## Cross Section AA-AA' - Master Scenario

**Method: bishop simplified**

| FS | 1.861240 |
|---|---|
| Center: | 77.667, 401.841 |
| Radius: | 90.874 |
| Left Slip Surface Endpoint: | 152.000, 349.565 |
| Right Slip Surface Endpoint: | 153.654, 352.000 |
| Left Slope Intercept: | 152.000 352.000 |
| Right Slope Intercept: | 153.654 352.000 |
| Resisting Moment: | 35501.2 lb-ft |
| Driving Moment: | 19074 lb-ft |
| Total Slice Area: | 2.03762 ft2 |
| Surface Horizontal Width: | 1.65428 ft |
| Surface Average Height: | 1.23173 ft |

**Method: janbu simplified**

| FS | 1.783360 |
|---|---|
| Center: | 141.370, 361.763 |
| Radius: | 43.266 |
| Left Slip Surface Endpoint: | 122.237, 322.957 |
| Right Slip Surface Endpoint: | 183.541, 352.091 |
| Resisting Horizontal Force: | 83993.4 lb |
| Driving Horizontal Force: | 47098.4 lb |
| Total Slice Area: | 916.235 ft2 |
| Surface Horizontal Width: | 61.3047 ft |
| Surface Average Height: | 14.9456 ft |

## Cross Section AA-AA' - Seismic

**Method: bishop simplified**

| FS | 1.186530 |
|---|---|
| Center: | -11.107, 570.002 |
| Radius: | 300.677 |
| Left Slip Surface Endpoint: | 8.992, 269.998 |
| Right Slip Surface Endpoint: | 196.254, 352.269 |
| Resisting Moment: | 9.02075e+07 lb-ft |
| Driving Moment: | 7.60261e+07 lb-ft |
| Total Slice Area: | 3159.88 ft2 |
| Surface Horizontal Width: | 187.262 ft |
| Surface Average Height: | 16.8741 ft |

**Method: janbu simplified**

| FS | 1.137440 |
|---|---|
| Center: | 17.607, 497.556 |
| Radius: | 227.974 |
| Left Slip Surface Endpoint: | 8.023, 269.783 |
| Right Slip Surface Endpoint: | 193.254, 352.227 |
| Resisting Horizontal Force: | 318704 lb |
| Driving Horizontal Force: | 280196 lb |
| Total Slice Area: | 3809.92 ft2 |
| Surface Horizontal Width: | 185.23 ft |
| Surface Average Height: | 20.5685 ft |

## Cross Section BB-BB' - Master Scenario

**Method: bishop simplified**

| FS | 1.639980 |
|---|---|
| Center: | -54.417, 537.775 |
| Radius: | 269.318 |
| Left Slip Surface Endpoint: | 0.023, 274.017 |
| Right Slip Surface Endpoint: | 145.152, 356.932 |
| Resisting Moment: | 5.15069e+07 lb-ft |
| Driving Moment: | 3.14071e+07 lb-ft |
| Total Slice Area: | 1841.42 ft2 |
| Surface Horizontal Width: | 145.13 ft |
| Surface Average Height: | 12.6881 ft |

**Method: janbu simplified**

| FS | 1.581560 |
|---|---|
| Center: | -21.827, 475.489 |
| Radius: | 202.653 |
| Left Slip Surface Endpoint: | 0.023, 274.017 |
| Right Slip Surface Endpoint: | 142.291, 356.605 |
| Resisting Horizontal Force: | 190875 lb |
| Driving Horizontal Force: | 120688 lb |
| Total Slice Area: | 2187.38 ft2 |
| Surface Horizontal Width: | 142.269 ft |
| Surface Average Height: | 15.375 ft |

## Cross Section BB-BB' - Seismic

**Method: bishop simplified**

| FS | 1.051280 |
|---|---|
| Center: | -53.138, 539.946 |
| Radius: | 271.193 |
| Left Slip Surface Endpoint: | 0.017, 274.013 |
| Right Slip Surface Endpoint: | 147.206, 357.166 |
| Resisting Moment: | 4.8916e+07 lb-ft |
| Driving Moment: | 4.65298e+07 lb-ft |
| Total Slice Area: | 1950.94 ft2 |
| Surface Horizontal Width: | 147.189 ft |
| Surface Average Height: | 13.2547 ft |

**Method: janbu simplified**

| FS | 1.007790 |
|---|---|
| Center: | -20.409, 476.943 |
| Radius: | 203.879 |
| Left Slip Surface Endpoint: | 0.135, 274.102 |
| Right Slip Surface Endpoint: | 144.339, 356.839 |
| Resisting Horizontal Force: | 179793 lb |
| Driving Horizontal Force: | 178404 lb |
| Total Slice Area: | 2305.12 ft2 |
| Surface Horizontal Width: | 144.203 ft |
| Surface Average Height: | 15.9852 ft |

## Cross Section CC-CC' - Master Scenario

**Method: bishop simplified**

| FS | 1.699830 |
|---|---|
| Center: | -31.483, 549.248 |
| Radius: | 258.678 |
| Left Slip Surface Endpoint: | 1.801, 292.720 |
| Right Slip Surface Endpoint: | 153.079, 368.000 |
| Resisting Moment: | 4.20607e+07 lb-ft |
| Driving Moment: | 2.4744e+07 lb-ft |
| Total Slice Area: | 1780.95 ft2 |
| Surface Horizontal Width: | 151.279 ft |
| Surface Average Height: | 11.7727 ft |

**Method: janbu simplified**

| FS | 1.635190 |
|---|---|
| Center: | -4.460, 489.496 |
| Radius: | 197.434 |
| Left Slip Surface Endpoint: | 0.300, 292.120 |
| Right Slip Surface Endpoint: | 151.164, 368.000 |
| Resisting Horizontal Force: | 175883 lb |
| Driving Horizontal Force: | 107561 lb |
| Total Slice Area: | 2246.5 ft2 |
| Surface Horizontal Width: | 150.864 ft |
| Surface Average Height: | 14.8909 ft |

## Cross Section CC-CC' - Seismic

**Method: bishop simplified**

| FS | 1.068140 |
|---|---|
| Center: | -31.515, 553.203 |
| Radius: | 263.076 |
| Left Slip Surface Endpoint: | 0.075, 292.030 |
| Right Slip Surface Endpoint: | 155.324, 368.000 |
| Resisting Moment: | 4.19062e+07 lb-ft |
| Driving Moment: | 3.9233e+07 lb-ft |
| Total Slice Area: | 1938.23 ft2 |
| Surface Horizontal Width: | 155.249 ft |
| Surface Average Height: | 12.4846 ft |

**Method: janbu simplified**

| FS | 1.022190 |
|---|---|
| Center: | -3.342, 490.459 |
| Radius: | 198.372 |
| Left Slip Surface Endpoint: | 0.300, 292.120 |
| Right Slip Surface Endpoint: | 152.720, 368.000 |
| Resisting Horizontal Force: | 166544 lb |
| Driving Horizontal Force: | 162929 lb |
| Total Slice Area: | 2349.82 ft2 |
| Surface Horizontal Width: | 152.42 ft |
| Surface Average Height: | 15.4167 ft |

## Cross Section DD-DD' - Master Scenario

**Method: bishop simplified**

| FS | 1.757380 |
|---|---|
| Center: | -22.855, 569.091 |
| Radius: | 266.478 |
| Left Slip Surface Endpoint: | 5.248, 304.099 |
| Right Slip Surface Endpoint: | 164.909, 380.000 |
| Resisting Moment: | 4.84966e+07 lb-ft |
| Driving Moment: | 2.75959e+07 lb-ft |
| Total Slice Area: | 1972.75 ft2 |
| Surface Horizontal Width: | 159.661 ft |
| Surface Average Height: | 12.3559 ft |

**Method: janbu simplified**

| FS | 1.689700 |
|---|---|
| Center: | 5.688, 504.627 |
| Radius: | 200.154 |
| Left Slip Surface Endpoint: | 6.185, 304.474 |
| Right Slip Surface Endpoint: | 162.307, 380.000 |
| Resisting Horizontal Force: | 190901 lb |
| Driving Horizontal Force: | 112979 lb |
| Total Slice Area: | 2399.69 ft2 |
| Surface Horizontal Width: | 156.122 ft |
| Surface Average Height: | 15.3706 ft |

## Cross Section DD-DD' - Seismic

**Method: bishop simplified**

| FS | 1.094950 |
|---|---|
| Center: | -26.689, 576.725 |
| Radius: | 275.990 |
| Left Slip Surface Endpoint: | 0.094, 302.037 |
| Right Slip Surface Endpoint: | 166.882, 380.000 |
| Resisting Moment: | 5.01617e+07 lb-ft |
| Driving Moment: | 4.58118e+07 lb-ft |
| Total Slice Area: | 2181.47 ft2 |
| Surface Horizontal Width: | 166.789 ft |
| Surface Average Height: | 13.0793 ft |

**Method: janbu simplified**

| FS | 1.048170 |
|---|---|
| Center: | 1.942, 510.320 |
| Radius: | 208.176 |
| Left Slip Surface Endpoint: | 0.375, 302.150 |
| Right Slip Surface Endpoint: | 164.281, 380.000 |
| Resisting Horizontal Force: | 192920 lb |
| Driving Horizontal Force: | 184053 lb |
| Total Slice Area: | 2673.91 ft2 |
| Surface Horizontal Width: | 163.906 ft |
| Surface Average Height: | 16.3137 ft |

## Cross Section EE-EE' - Master Scenario

**Method: bishop simplified**

| FS | 1.822850 |
|---|---|
| Center: | -4.307, 613.204 |
| Radius: | 296.104 |
| Left Slip Surface Endpoint: | 18.747, 317.999 |
| Right Slip Surface Endpoint: | 201.172, 400.000 |
| Resisting Moment: | 7.43457e+07 lb-ft |
| Driving Moment: | 4.07855e+07 lb-ft |
| Total Slice Area: | 2689.03 ft2 |
| Surface Horizontal Width: | 182.425 ft |
| Surface Average Height: | 14.7405 ft |

**Method: janbu simplified**

| FS | 1.750820 |
|---|---|
| Center: | 23.699, 515.208 |
| Radius: | 196.358 |
| Left Slip Surface Endpoint: | 21.445, 318.863 |
| Right Slip Surface Endpoint: | 176.614, 392.027 |
| Resisting Horizontal Force: | 192053 lb |
| Driving Horizontal Force: | 109693 lb |
| Total Slice Area: | 2353.5 ft2 |
| Surface Horizontal Width: | 155.169 ft |
| Surface Average Height: | 15.1674 ft |

## Cross Section EE-EE' - Seismic

**Method: bishop simplified**

| FS | 1.121690 |
|---|---|
| Center: | -7.310, 615.762 |
| Radius: | 299.581 |
| Left Slip Surface Endpoint: | 15.871, 317.079 |
| Right Slip Surface Endpoint: | 200.526, 400.000 |
| Resisting Moment: | 6.83926e+07 lb-ft |
| Driving Moment: | 6.0973e+07 lb-ft |
| Total Slice Area: | 2685.59 ft2 |
| Surface Horizontal Width: | 184.655 ft |
| Surface Average Height: | 14.5438 ft |

**Method: janbu simplified**

| FS | 1.075360 |
|---|---|
| Center: | 22.702, 545.561 |
| Radius: | 229.073 |
| Left Slip Surface Endpoint: | 14.486, 316.636 |
| Right Slip Surface Endpoint: | 199.582, 400.000 |
| Resisting Horizontal Force: | 257454 lb |
| Driving Horizontal Force: | 239413 lb |
| Total Slice Area: | 3482.29 ft2 |
| Surface Horizontal Width: | 185.095 ft |
| Surface Average Height: | 18.8135 ft |

## Cross Section FF-FF' - Master Scenario

**Method: bishop simplified**

| FS | 1.952540 |
|---|---|
| Center: | 25.069, 561.030 |
| Radius: | 234.134 |
| Left Slip Surface Endpoint: | 39.247, 327.326 |
| Right Slip Surface Endpoint: | 185.962, 390.937 |
| Resisting Moment: | 3.70705e+07 lb-ft |
| Driving Moment: | 1.89857e+07 lb-ft |
| Total Slice Area: | 1636.21 ft2 |
| Surface Horizontal Width: | 146.716 ft |
| Surface Average Height: | 11.1523 ft |

**Method: janbu simplified**

| FS | 1.869340 |
|---|---|
| Center: | 47.902, 502.608 |
| Radius: | 175.327 |
| Left Slip Surface Endpoint: | 39.676, 327.475 |
| Right Slip Surface Endpoint: | 182.752, 390.559 |
| Resisting Horizontal Force: | 167522 lb |
| Driving Horizontal Force: | 89615.7 lb |
| Total Slice Area: | 1993.58 ft2 |
| Surface Horizontal Width: | 143.075 ft |
| Surface Average Height: | 13.9338 ft |

## Cross Section FF-FF' - Seismic

**Method: bishop simplified**

| FS | 1.192690 |
|---|---|
| Center: | 16.980, 575.972 |
| Radius: | 252.485 |
| Left Slip Surface Endpoint: | 28.932, 323.770 |
| Right Slip Surface Endpoint: | 189.173, 391.314 |
| Resisting Moment: | 4.29746e+07 lb-ft |
| Driving Moment: | 3.60316e+07 lb-ft |
| Total Slice Area: | 1938.88 ft2 |
| Surface Horizontal Width: | 160.24 ft |
| Surface Average Height: | 12.0998 ft |

**Method: janbu simplified**

| FS | 1.137880 |
|---|---|
| Center: | 44.272, 509.987 |
| Radius: | 185.065 |
| Left Slip Surface Endpoint: | 33.230, 325.252 |
| Right Slip Surface Endpoint: | 185.962, 390.937 |
| Resisting Horizontal Force: | 176305 lb |
| Driving Horizontal Force: | 154942 lb |
| Total Slice Area: | 2297.17 ft2 |
| Surface Horizontal Width: | 152.732 ft |
| Surface Average Height: | 15.0405 ft |

## Cross Section GG-GG' - Master Scenario

**Method: bishop simplified**

| FS | 1.330220 |
|---|---|
| Center: | 14.171, 431.122 |
| Radius: | 134.804 |
| Left Slip Surface Endpoint: | 49.577, 301.051 |
| Right Slip Surface Endpoint: | 117.039, 344.000 |
| Resisting Moment: | 4.61354e+06 lb-ft |
| Driving Moment: | 3.46825e+06 lb-ft |
| Total Slice Area: | 386.893 ft2 |
| Surface Horizontal Width: | 67.4627 ft |
| Surface Average Height: | 5.73491 ft |

**Method: janbu simplified**

| FS | 1.287640 |
|---|---|
| Center: | 32.236, 401.553 |
| Radius: | 101.964 |
| Left Slip Surface Endpoint: | 49.624, 301.082 |
| Right Slip Surface Endpoint: | 116.404, 344.000 |
| Resisting Horizontal Force: | 34496.7 lb |
| Driving Horizontal Force: | 26790.6 lb |
| Total Slice Area: | 477.304 ft2 |
| Surface Horizontal Width: | 66.7809 ft |
| Surface Average Height: | 7.1473 ft |

## Cross Section GG-GG' - Seismic

**Method: bishop simplified**

| FS | 0.865524 |
|---|---|
| Center: | 14.704, 431.791 |
| Radius: | 135.342 |
| Left Slip Surface Endpoint: | 49.496, 300.997 |
| Right Slip Surface Endpoint: | 117.710, 344.000 |
| Resisting Moment: | 4.28304e+06 lb-ft |
| Driving Moment: | 4.9485e+06 lb-ft |
| Total Slice Area: | 408.302 ft2 |
| Surface Horizontal Width: | 68.2139 ft |
| Surface Average Height: | 5.98561 ft |

**Method: janbu simplified**

| FS | 0.830664 |
|---|---|
| Center: | 32.400, 401.847 |
| Radius: | 102.279 |
| Left Slip Surface Endpoint: | 49.516, 301.011 |
| Right Slip Surface Endpoint: | 116.749, 344.000 |
| Resisting Horizontal Force: | 31148.5 lb |
| Driving Horizontal Force: | 37498.3 lb |
| Total Slice Area: | 490.373 ft2 |
| Surface Horizontal Width: | 67.2327 ft |
| Surface Average Height: | 7.29367 ft |

## Cross Section HH-HH' - Master Scenario

**Method: bishop simplified**

| FS | 1.626840 |
|---|---|
| Center: | 2.064, 471.942 |
| Radius: | 172.848 |
| Left Slip Surface Endpoint: | 28.025, 301.055 |
| Right Slip Surface Endpoint: | 126.798, 352.285 |
| Resisting Moment: | 1.09306e+07 lb-ft |
| Driving Moment: | 6.71892e+06 lb-ft |
| Total Slice Area: | 695.778 ft2 |
| Surface Horizontal Width: | 98.7721 ft |
| Surface Average Height: | 7.04428 ft |

**Method: janbu simplified**

| FS | 1.581570 |
|---|---|
| Center: | 22.526, 427.092 |
| Radius: | 126.157 |
| Left Slip Surface Endpoint: | 28.025, 301.055 |
| Right Slip Surface Endpoint: | 122.612, 350.291 |
| Resisting Horizontal Force: | 66687 lb |
| Driving Horizontal Force: | 42165 lb |
| Total Slice Area: | 849.394 ft2 |
| Surface Horizontal Width: | 94.5862 ft |
| Surface Average Height: | 8.9801 ft |

## Cross Section HH-HH' - Seismic

**Method: bishop simplified**

| FS | 1.013610 |
|---|---|
| Center: | 1.130, 499.773 |
| Radius: | 200.558 |
| Left Slip Surface Endpoint: | 27.951, 301.016 |
| Right Slip Surface Endpoint: | 144.611, 359.642 |
| Resisting Moment: | 1.73986e+07 lb-ft |
| Driving Moment: | 1.71651e+07 lb-ft |
| Total Slice Area: | 1067.73 ft2 |
| Surface Horizontal Width: | 116.66 ft |
| Surface Average Height: | 9.15252 ft |

**Method: janbu simplified**

| FS | 0.982602 |
|---|---|
| Center: | 22.688, 434.674 |
| Radius: | 133.679 |
| Left Slip Surface Endpoint: | 28.124, 301.106 |
| Right Slip Surface Endpoint: | 128.639, 353.162 |
| Resisting Horizontal Force: | 68793.7 lb |
| Driving Horizontal Force: | 70011.8 lb |
| Total Slice Area: | 971.533 ft2 |
| Surface Horizontal Width: | 100.515 ft |
| Surface Average Height: | 9.66553 ft |

## Cross Section II-II' - Master Scenario

**Method: bishop simplified**

| FS | 1.699790 |
|---|---|
| Center: | 45.181, 471.794 |
| Radius: | 135.895 |
| Left Slip Surface Endpoint: | 62.525, 337.010 |
| Right Slip Surface Endpoint: | 142.086, 376.522 |
| Resisting Moment: | 5.89632e+06 lb-ft |
| Driving Moment: | 3.46886e+06 lb-ft |
| Total Slice Area: | 458.85 ft2 |
| Surface Horizontal Width: | 79.5606 ft |
| Surface Average Height: | 5.76729 ft |

**Method: janbu simplified**

| FS | 1.636380 |
|---|---|
| Center: | 61.998, 423.831 |
| Radius: | 85.845 |
| Left Slip Surface Endpoint: | 65.106, 338.042 |
| Right Slip Surface Endpoint: | 129.937, 371.355 |
| Resisting Horizontal Force: | 31396.9 lb |
| Driving Horizontal Force: | 19186.8 lb |
| Total Slice Area: | 385.652 ft2 |
| Surface Horizontal Width: | 64.8308 ft |
| Surface Average Height: | 5.94859 ft |

## Cross Section II-II' - Seismic

**Method: bishop simplified**

| FS | 1.060820 |
|---|---|
| Center: | 39.475, 481.990 |
| Radius: | 148.421 |
| Left Slip Surface Endpoint: | 56.320, 334.528 |
| Right Slip Surface Endpoint: | 144.511, 377.128 |
| Resisting Moment: | 7.05625e+06 lb-ft |
| Driving Moment: | 6.65168e+06 lb-ft |
| Total Slice Area: | 561.2 ft2 |
| Surface Horizontal Width: | 88.1908 ft |
| Surface Average Height: | 6.36347 ft |

**Method: janbu simplified**

| FS | 1.019650 |
|---|---|
| Center: | 56.662, 443.990 |
| Radius: | 108.854 |
| Left Slip Surface Endpoint: | 57.856, 335.142 |
| Right Slip Surface Endpoint: | 142.086, 376.522 |
| Resisting Horizontal Force: | 48820.4 lb |
| Driving Horizontal Force: | 47879.6 lb |
| Total Slice Area: | 668.299 ft2 |
| Surface Horizontal Width: | 84.2298 ft |
| Surface Average Height: | 7.93423 ft |

## Cross Section JJ-JJ' - Master Scenario

**Method: bishop simplified**

| FS | 2.048490 |
|---|---|
| Center: | -11.840, 511.034 |
| Radius: | 170.815 |
| Left Slip Surface Endpoint: | 8.885, 341.481 |
| Right Slip Surface Endpoint: | 85.269, 370.508 |
| Resisting Moment: | 3.67027e+06 lb-ft |
| Driving Moment: | 1.7917e+06 lb-ft |
| Total Slice Area: | 243.893 ft2 |
| Surface Horizontal Width: | 76.3838 ft |
| Surface Average Height: | 3.19299 ft |

**Method: janbu simplified**

| FS | 2.021520 |
|---|---|
| Center: | -6.129, 502.790 |
| Radius: | 161.037 |
| Left Slip Surface Endpoint: | 15.008, 343.146 |
| Right Slip Surface Endpoint: | 86.303, 370.921 |
| Resisting Horizontal Force: | 19149.6 lb |
| Driving Horizontal Force: | 9472.88 lb |
| Total Slice Area: | 234.76 ft2 |
| Surface Horizontal Width: | 71.295 ft |
| Surface Average Height: | 3.29279 ft |

## Cross Section JJ-JJ' - Seismic

**Method: bishop simplified**

| FS | 1.178830 |
|---|---|
| Center: | -13.244, 515.334 |
| Radius: | 175.327 |
| Left Slip Surface Endpoint: | 7.255, 341.209 |
| Right Slip Surface Endpoint: | 86.002, 370.801 |
| Resisting Moment: | 3.48662e+06 lb-ft |
| Driving Moment: | 2.9577e+06 lb-ft |
| Total Slice Area: | 247.014 ft2 |
| Surface Horizontal Width: | 78.7474 ft |
| Surface Average Height: | 3.13679 ft |

**Method: janbu simplified**

| FS | 1.161260 |
|---|---|
| Center: | -6.591, 503.054 |
| Radius: | 161.463 |
| Left Slip Surface Endpoint: | 14.587, 342.986 |
| Right Slip Surface Endpoint: | 86.077, 370.831 |
| Resisting Horizontal Force: | 17589.4 lb |
| Driving Horizontal Force: | 15146.8 lb |
| Total Slice Area: | 236.006 ft2 |
| Surface Horizontal Width: | 71.4898 ft |
| Surface Average Height: | 3.30126 ft |

# Global Minimum Support Data

## Cross Section AA-AA' - Master Scenario

**Method: bishop simplified**

Number of Supports: 10

| Mirafi 5XT | | | | | | |
|---|---|---|---|---|---|---|
| Support Type: Geosynthetic | | | | | | |
| **Start (x, y)** | **Length (ft)** | **L Inside SS (ft)** | **L Outside SS (ft)** | **Li (ft)** | **Lo (ft)** | **Force (lb)** |
| 152, 331.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 333.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 335.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 337.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 339.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 341.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 343.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 345.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 347.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 349.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |

**Method: janbu simplified**

Number of Supports: 10

| Mirafi 5XT | | | | | | |
|---|---|---|---|---|---|---|
| Support Type: Geosynthetic | | | | | | |
| **Start (x, y)** | **Length (ft)** | **L Inside SS (ft)** | **L Outside SS (ft)** | **Li (ft)** | **Lo (ft)** | **Force (lb)** |
| 152, 331.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 333.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 335.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 337.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 339.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 341.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 343.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 345.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 347.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 349.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |

## Cross Section AA-AA' - Seismic

**Method: bishop simplified**

Number of Supports: 10

**Mirafi 5XT**

Support Type: Geosynthetic

| Start (x, y) | Length (ft) | L Inside SS (ft) | L Outside SS (ft) | Li (ft) | Lo (ft) | Force (lb) |
|---|---|---|---|---|---|---|
| 152, 331.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 333.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 335.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 337.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 339.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 341.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 343.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 345.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 347.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 349.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |

**Method: janbu simplified**

Number of Supports: 10

**Mirafi 5XT**

Support Type: Geosynthetic

| Start (x, y) | Length (ft) | L Inside SS (ft) | L Outside SS (ft) | Li (ft) | Lo (ft) | Force (lb) |
|---|---|---|---|---|---|---|
| 152, 331.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 333.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 335.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 337.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 339.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 341.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 343.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 345.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 347.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 152, 349.554 | 20 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |

## Cross Section BB-BB'

**Method: bishop simplified**

Number of Supports: 1

**Mirafi 5XT**

Support Type: Geosynthetic

| Start (x, y) | Length (ft) | L Inside SS (ft) | L Outside SS (ft) | Li (ft) | Lo (ft) | Force (lb) |
|---|---|---|---|---|---|---|
| 152, 358.5 | 10 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |

**Method: janbu simplified**

Number of Supports: 1

**Mirafi 5XT**

Support Type: Geosynthetic

| Start (x, y) | Length (ft) | L Inside SS (ft) | L Outside SS (ft) | Li (ft) | Lo (ft) | Force (lb) |
|---|---|---|---|---|---|---|
| 152, 358.5 | 10 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |

## Cross Section CC-CC'

No Supports Present

## Cross Section DD-DD'

No Supports Present

## Cross Section EE-EE' - Master Scenario

**Method: bishop simplified**

Number of Supports: 3

| Mirafi 5XT | | | | | | |
|---|---|---|---|---|---|---|
| Support Type: Geosynthetic | | | | | | |
| **Start (x, y)** | **Length (ft)** | **L Inside SS (ft)** | **L Outside SS (ft)** | **Li (ft)** | **Lo (ft)** | **Force (lb)** |
| 184, 393.962 | 10 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 184, 395.962 | 10 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 184, 397.962 | 10 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |

**Method: janbu simplified**

Number of Supports: 3

| Mirafi 5XT | | | | | | |
|---|---|---|---|---|---|---|
| Support Type: Geosynthetic | | | | | | |
| **Start (x, y)** | **Length (ft)** | **L Inside SS (ft)** | **L Outside SS (ft)** | **Li (ft)** | **Lo (ft)** | **Force (lb)** |
| 184, 393.962 | 10 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 184, 395.962 | 10 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 184, 397.962 | 10 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |

## Cross Section EE-EE' - Seismic

**Method: bishop simplified**

Number of Supports: 3

| Mirafi 5XT | | | | | | |
|---|---|---|---|---|---|---|
| Support Type: Geosynthetic | | | | | | |
| **Start (x, y)** | **Length (ft)** | **L Inside SS (ft)** | **L Outside SS (ft)** | **Li (ft)** | **Lo (ft)** | **Force (lb)** |
| 184, 393.962 | 10 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 184, 395.962 | 10 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 184, 397.962 | 10 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |

**Method: janbu simplified**

Number of Supports: 3

| Mirafi 5XT | | | | | | |
|---|---|---|---|---|---|---|
| Support Type: Geosynthetic | | | | | | |
| **Start (x, y)** | **Length (ft)** | **L Inside SS (ft)** | **L Outside SS (ft)** | **Li (ft)** | **Lo (ft)** | **Force (lb)** |
| 184, 393.962 | 10 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 184, 395.962 | 10 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 184, 397.962 | 10 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |

## Cross Section FF-FF'

**Method: bishop simplified**

Number of Supports: 2

| Mirafi 5XT | | | | | | |
|---|---|---|---|---|---|---|
| Support Type: Geosynthetic | | | | | | |
| **Start (x, y)** | **Length (ft)** | **L Inside SS (ft)** | **L Outside SS (ft)** | **Li (ft)** | **Lo (ft)** | **Force (lb)** |
| 240, 396.721 | 10 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 240, 398.721 | 10 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |

**Method: janbu simplified**

Number of Supports: 2

| Mirafi 5XT | | | | | | |
|---|---|---|---|---|---|---|
| Support Type: Geosynthetic | | | | | | |
| **Start (x, y)** | **Length (ft)** | **L Inside SS (ft)** | **L Outside SS (ft)** | **Li (ft)** | **Lo (ft)** | **Force (lb)** |
| 240, 396.721 | 10 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |
| 240, 398.721 | 10 | Not Effective | Not Effective | Not Effective | Not Effective | 0 |

## Cross Section GG-GG'

No Supports Present

## Cross Section HH-HH'

No Supports Present

## Cross Section II-II'

No Supports Present

## Cross Section JJ-JJ'

No Supports Present

# Valid and Invalid Surfaces

## Cross Section AA-AA' - Master Scenario

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 12634 |
| Number of Invalid Surfaces: | 17 |

**Error Codes**

Error Code -112 reported for 17 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 11115 |
| Number of Invalid Surfaces: | 1536 |

**Error Codes**

Error Code -108 reported for 65 surfaces
Error Code -111 reported for 1468 surfaces
Error Code -112 reported for 3 surfaces

## Cross Section AA-AA' - Seismic

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 12262 |
| Number of Invalid Surfaces: | 15 |

**Error Codes**

Error Code -112 reported for 15 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 12166 |
| Number of Invalid Surfaces: | 111 |

**Error Codes**

Error Code -108 reported for 10 surfaces
Error Code -111 reported for 83 surfaces
Error Code -112 reported for 18 surfaces

## Cross Section BB-BB' - Master Scenario

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 11928 |
| Number of Invalid Surfaces: | 19 |

**Error Codes**

Error Code -112 reported for 19 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 11918 |
| Number of Invalid Surfaces: | 29 |

**Error Codes**

Error Code -108 reported for 10 surfaces
Error Code -111 reported for 18 surfaces
Error Code -112 reported for 1 surface

## Cross Section BB-BB' - Seismic

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 11521 |
| Number of Invalid Surfaces: | 14 |

**Error Codes**

Error Code -112 reported for 14 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 11428 |
| Number of Invalid Surfaces: | 107 |

**Error Codes**

Error Code -108 reported for 11 surfaces
Error Code -111 reported for 49 surfaces
Error Code -112 reported for 47 surfaces

## Cross Section CC-CC' - Master Scenario

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 12022 |
| Number of Invalid Surfaces: | 29 |

**Error Codes**

Error Code -112 reported for 29 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 12019 |
| Number of Invalid Surfaces: | 32 |

**Error Codes**

Error Code -108 reported for 13 surfaces
Error Code -111 reported for 18 surfaces
Error Code -112 reported for 1 surface

## Cross Section CC-CC' - Seismic

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 13215 |
| Number of Invalid Surfaces: | 11 |

**Error Codes**

Error Code -112 reported for 11 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 13162 |
| Number of Invalid Surfaces: | 64 |

**Error Codes**

Error Code -108 reported for 19 surfaces
Error Code -111 reported for 13 surfaces
Error Code -112 reported for 32 surfaces

## Cross Section DD-DD' - Master Scenario

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 12795 |
| Number of Invalid Surfaces: | 31 |

**Error Codes**

Error Code -112 reported for 31 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 12812 |
| Number of Invalid Surfaces: | 14 |

**Error Codes**

Error Code -108 reported for 6 surfaces
Error Code -111 reported for 7 surfaces
Error Code -112 reported for 1 surface

## Cross Section DD-DD' - Seismic

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 13267 |
| Number of Invalid Surfaces: | 0 |

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 13193 |
| Number of Invalid Surfaces: | 74 |

**Error Codes**

Error Code -108 reported for 14 surfaces
Error Code -112 reported for 60 surfaces

## Cross Section EE-EE' - Master Scenario

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 12760 |
| Number of Invalid Surfaces: | 31 |

**Error Codes**

Error Code -112 reported for 31 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 12723 |
| Number of Invalid Surfaces: | 68 |

**Error Codes**

Error Code -108 reported for 20 surfaces
Error Code -111 reported for 48 surfaces

## Cross Section EE-EE' - Seismic

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 13254 |
| Number of Invalid Surfaces: | 6 |

**Error Codes**

Error Code -112 reported for 6 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 13227 |
| Number of Invalid Surfaces: | 33 |

**Error Codes**

Error Code -108 reported for 9 surfaces
Error Code -111 reported for 20 surfaces
Error Code -112 reported for 4 surfaces

## Cross Section FF-FF' - Master Scenario

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 13299 |
| Number of Invalid Surfaces: | 35 |

**Error Codes**

Error Code -112 reported for 35 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 13325 |
| Number of Invalid Surfaces: | 9 |

**Error Codes**

Error Code -108 reported for 5 surfaces
Error Code -111 reported for 4 surfaces

## Cross Section FF-FF' - Seismic

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 13730 |
| Number of Invalid Surfaces: | 27 |

**Error Codes**

Error Code -112 reported for 27 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 13686 |
| Number of Invalid Surfaces: | 71 |

**Error Codes**

Error Code -108 reported for 40 surfaces
Error Code -111 reported for 13 surfaces
Error Code -112 reported for 18 surfaces

## Cross Section GG-GG' - Master Scenario

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 12626 |
| Number of Invalid Surfaces: | 18 |

**Error Codes**

Error Code -112 reported for 18 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 12573 |
| Number of Invalid Surfaces: | 71 |

**Error Codes**

Error Code -108 reported for 29 surfaces
Error Code -111 reported for 41 surfaces
Error Code -112 reported for 1 surface

## Cross Section GG-GG' - Seismic

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 13564 |
| Number of Invalid Surfaces: | 3 |

**Error Codes**

Error Code -112 reported for 3 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 13500 |
| Number of Invalid Surfaces: | 67 |

**Error Codes**

Error Code -108 reported for 19 surfaces
Error Code -111 reported for 5 surfaces
Error Code -112 reported for 43 surfaces

## Cross Section HH-HH' - Master Scenario

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 11079 |
| Number of Invalid Surfaces: | 11 |

**Error Codes**

Error Code -112 reported for 11 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 11061 |
| Number of Invalid Surfaces: | 29 |

**Error Codes**

Error Code -108 reported for 9 surfaces
Error Code -111 reported for 17 surfaces
Error Code -112 reported for 3 surfaces

## Cross Section HH-HH' - Seismic

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 10896 |
| Number of Invalid Surfaces: | 2 |

**Error Codes**

Error Code -112 reported for 2 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 10797 |
| Number of Invalid Surfaces: | 101 |

**Error Codes**

Error Code -108 reported for 16 surfaces
Error Code -111 reported for 46 surfaces
Error Code -112 reported for 39 surfaces

## Cross Section II-II' - Master Scenario

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 14118 |
| Number of Invalid Surfaces: | 2 |

**Error Codes**

Error Code -112 reported for 2 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 14103 |
| Number of Invalid Surfaces: | 17 |

**Error Codes**

Error Code -108 reported for 13 surfaces
Error Code -111 reported for 2 surfaces
Error Code -112 reported for 2 surfaces

## Cross Section II-II' - Seismic

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 14109 |
| Number of Invalid Surfaces: | 1 |

**Error Codes**

Error Code -112 reported for 1 surface

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 14069 |
| Number of Invalid Surfaces: | 41 |

**Error Codes**

Error Code -108 reported for 25 surfaces
Error Code -111 reported for 1 surface
Error Code -112 reported for 15 surfaces

## Cross Section JJ-JJ' - Master Scenario

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 8342 |
| Number of Invalid Surfaces: | 9 |

**Error Codes**

Error Code -112 reported for 9 surfaces

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 8320 |
| Number of Invalid Surfaces: | 31 |

**Error Codes**

Error Code -108 reported for 12 surfaces
Error Code -111 reported for 19 surfaces

## Cross Section JJ-JJ' - Seismic

**Method: bishop simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 7796 |
| Number of Invalid Surfaces: | 0 |

**Method: janbu simplified**

| | |
|---|---|
| Number of Valid Surfaces: | 7769 |
| Number of Invalid Surfaces: | 27 |

**Error Codes**

Error Code -108 reported for 2 surfaces
Error Code -112 reported for 25 surfaces

## Error Code Descriptions

The following errors were encountered during the computation:
-108 = Total driving moment or total driving force < 0.1. This is to limit the calculation of extremely high safety factors if the driving force is very small (0.1 is an arbitrary number).
-111 = Safety factor equation did not converge
-112 = The coefficient M-Alpha = cos(alpha)(1+tan(alpha)tan(phi)/F) < 0.2 for the final iteration of the safety factor calculation. This screens out some slip surfaces which may not be valid in the context of the analysis, in particular, deep seated slip surfaces with many high negative base angle slices in the passive zone.

# Slice Data

## Cross Section AA-AA' - Master Scenario

### Global Minimum Query (bishop simplified) - Safety Factor: 1.86124

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0330857 | 9.97382 | 54.9006 | New Structural Fill | 100 | 34 | 107.55 | 200.176 | 148.517 | 0 | 148.517 | 301.549 | 301.549 |
| 2 | 0.0330857 | 9.77899 | 54.9369 | New Structural Fill | 100 | 34 | 106.093 | 197.465 | 144.497 | 0 | 144.497 | 295.659 | 295.659 |
| 3 | 0.0330857 | 9.5839 | 54.9733 | New Structural Fill | 100 | 34 | 104.635 | 194.752 | 140.475 | 0 | 140.475 | 289.762 | 289.762 |
| 4 | 0.0330857 | 9.38854 | 55.0096 | New Structural Fill | 100 | 34 | 103.177 | 192.037 | 136.451 | 0 | 136.451 | 283.856 | 283.856 |
| 5 | 0.0330857 | 9.19292 | 55.046 | New Structural Fill | 100 | 34 | 101.718 | 189.322 | 132.425 | 0 | 132.425 | 277.942 | 277.942 |
| 6 | 0.0330857 | 8.99704 | 55.0824 | New Structural Fill | 100 | 34 | 100.258 | 186.605 | 128.397 | 0 | 128.397 | 272.021 | 272.021 |
| 7 | 0.0330857 | 8.80089 | 55.1189 | New Structural Fill | 100 | 34 | 98.7981 | 183.887 | 124.367 | 0 | 124.367 | 266.091 | 266.091 |
| 8 | 0.0330857 | 8.60447 | 55.1554 | New Structural Fill | 100 | 34 | 97.337 | 181.168 | 120.336 | 0 | 120.336 | 260.153 | 260.153 |
| 9 | 0.0330857 | 8.40779 | 55.1919 | New Structural Fill | 100 | 34 | 95.8753 | 178.447 | 116.302 | 0 | 116.302 | 254.207 | 254.207 |
| 10 | 0.0330857 | 8.21084 | 55.2285 | New Structural Fill | 100 | 34 | 94.4128 | 175.725 | 112.267 | 0 | 112.267 | 248.253 | 248.253 |
| 11 | 0.0330857 | 8.01362 | 55.2651 | New Structural Fill | 100 | 34 | 92.9497 | 173.002 | 108.229 | 0 | 108.229 | 242.291 | 242.291 |
| 12 | 0.0330857 | 7.81613 | 55.3017 | New Structural Fill | 100 | 34 | 91.4858 | 170.277 | 104.19 | 0 | 104.19 | 236.321 | 236.321 |
| 13 | 0.0330857 | 7.61837 | 55.3384 | New Structural Fill | 100 | 34 | 90.0213 | 167.551 | 100.149 | 0 | 100.149 | 230.342 | 230.342 |
| 14 | 0.0330857 | 7.42034 | 55.3751 | New Structural Fill | 100 | 34 | 88.5562 | 164.824 | 96.1059 | 0 | 96.1059 | 224.356 | 224.356 |
| 15 | 0.0330857 | 7.22204 | 55.4118 | New Structural Fill | 100 | 34 | 87.0903 | 162.096 | 92.0611 | 0 | 92.0611 | 218.361 | 218.361 |
| 16 | 0.0330857 | 7.02346 | 55.4486 | New Structural Fill | 100 | 34 | 85.6237 | 159.366 | 88.0141 | 0 | 88.0141 | 212.358 | 212.358 |
| 17 | 0.0330857 | 6.82462 | 55.4854 | New Structural Fill | 100 | 34 | 84.1565 | 156.635 | 83.9655 | 0 | 83.9655 | 206.347 | 206.347 |
| 18 | 0.0330857 | 6.62549 | 55.5222 | New Structural Fill | 100 | 34 | 82.6885 | 153.903 | 79.9148 | 0 | 79.9148 | 200.327 | 200.327 |
| 19 | 0.0330857 | 6.4261 | 55.5591 | New Structural Fill | 100 | 34 | 81.2199 | 151.17 | 75.8624 | 0 | 75.8624 | 194.299 | 194.299 |
| 20 | 0.0330857 | 6.22643 | 55.596 | New Structural Fill | 100 | 34 | 79.7507 | 148.435 | 71.8079 | 0 | 71.8079 | 188.263 | 188.263 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | 0.0330857 | 6.02648 | 55.6329 | New Structural Fill | 100 | 34 | 78.2807 | 145.699 | 67.7516 | 0 | 67.7516 | 182.219 | 182.219 |
| 22 | 0.0330857 | 5.82626 | 55.6699 | New Structural Fill | 100 | 34 | 76.81 | 142.962 | 63.6936 | 0 | 63.6936 | 176.166 | 176.166 |
| 23 | 0.0330857 | 5.62575 | 55.7069 | New Structural Fill | 100 | 34 | 75.3387 | 140.223 | 59.6337 | 0 | 59.6337 | 170.105 | 170.105 |
| 24 | 0.0330857 | 5.42497 | 55.7439 | New Structural Fill | 100 | 34 | 73.8667 | 137.484 | 55.5717 | 0 | 55.5717 | 164.035 | 164.035 |
| 25 | 0.0330857 | 5.22391 | 55.781 | New Structural Fill | 100 | 34 | 72.394 | 134.743 | 51.5079 | 0 | 51.5079 | 157.956 | 157.956 |
| 26 | 0.0330857 | 5.02258 | 55.8181 | New Structural Fill | 100 | 34 | 70.9206 | 132 | 47.4424 | 0 | 47.4424 | 151.87 | 151.87 |
| 27 | 0.0330857 | 4.82095 | 55.8553 | New Structural Fill | 100 | 34 | 69.4466 | 129.257 | 43.375 | 0 | 43.375 | 145.775 | 145.775 |
| 28 | 0.0330857 | 4.61905 | 55.8924 | New Structural Fill | 100 | 34 | 67.9718 | 126.512 | 39.3055 | 0 | 39.3055 | 139.671 | 139.671 |
| 29 | 0.0330857 | 4.41687 | 55.9297 | New Structural Fill | 100 | 34 | 66.4965 | 123.766 | 35.2344 | 0 | 35.2344 | 133.559 | 133.559 |
| 30 | 0.0330857 | 4.2144 | 55.9669 | New Structural Fill | 100 | 34 | 65.0204 | 121.019 | 31.1613 | 0 | 31.1613 | 127.438 | 127.438 |
| 31 | 0.0330857 | 4.01165 | 56.0042 | New Structural Fill | 100 | 34 | 63.5437 | 118.27 | 27.0864 | 0 | 27.0864 | 121.309 | 121.309 |
| 32 | 0.0330857 | 3.80861 | 56.0415 | New Structural Fill | 100 | 34 | 62.0663 | 115.52 | 23.0096 | 0 | 23.0096 | 115.171 | 115.171 |
| 33 | 0.0330857 | 3.60529 | 56.0789 | New Structural Fill | 100 | 34 | 60.5882 | 112.769 | 18.931 | 0 | 18.931 | 109.024 | 109.024 |
| 34 | 0.0330857 | 3.40167 | 56.1163 | New Structural Fill | 100 | 34 | 59.1094 | 110.017 | 14.8505 | 0 | 14.8505 | 102.869 | 102.869 |
| 35 | 0.0330857 | 3.19778 | 56.1537 | New Structural Fill | 100 | 34 | 57.63 | 107.263 | 10.7682 | 0 | 10.7682 | 96.7047 | 96.7047 |
| 36 | 0.0330857 | 2.99359 | 56.1912 | New Structural Fill | 100 | 34 | 56.1499 | 104.508 | 6.68408 | 0 | 6.68408 | 90.5319 | 90.5319 |
| 37 | 0.0330857 | 2.78912 | 56.2287 | New Structural Fill | 100 | 34 | 54.6692 | 101.752 | 2.59809 | 0 | 2.59809 | 84.3505 | 84.3505 |
| 38 | 0.0330857 | 2.58435 | 56.2662 | New Structural Fill | 100 | 34 | 53.1877 | 98.9952 | -1.48974 | 0 | -1.48974 | 78.1602 | 78.1602 |
| 39 | 0.0330857 | 2.3793 | 56.3038 | New Structural Fill | 100 | 34 | 51.7057 | 96.2366 | -5.5794 | 0 | -5.5794 | 71.9612 | 71.9612 |
| 40 | 0.0330857 | 2.17395 | 56.3415 | New Structural Fill | 100 | 34 | 50.2229 | 93.4769 | -9.6709 | 0 | -9.6709 | 65.7533 | 65.7533 |
| 41 | 0.0330857 | 1.96831 | 56.3791 | New Structural Fill | 100 | 34 | 48.7395 | 90.7159 | -13.7642 | 0 | -13.7642 | 59.5366 | 59.5366 |
| 42 | 0.0330857 | 1.76237 | 56.4168 | New Structural Fill | 100 | 34 | 47.2554 | 87.9537 | -17.8594 | 0 | -17.8594 | 53.3111 | 53.3111 |
| 43 | 0.0330857 | 1.55615 | 56.4545 | New Structural Fill | 100 | 34 | 45.7707 | 85.1903 | -21.9564 | 0 | -21.9564 | 47.0766 | 47.0766 |
| 44 | 0.0330857 | 1.34962 | 56.4923 | New Structural Fill | 100 | 34 | 44.2853 | 82.4256 | -26.0552 | 0 | -26.0552 | 40.8331 | 40.8331 |
| 45 | 0.0330857 | 1.1428 | 56.5301 | New Structural Fill | 100 | 34 | 42.7993 | 79.6597 | -30.1557 | 0 | -30.1557 | 34.5808 | 34.5808 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | 0.0330857 | 0.935686 | 56.5679 | New Structural Fill | 100 | 34 | 41.3126 | 76.8926 | -34.2581 | 0 | -34.2581 | 28.3195 | 28.3195 |
| 47 | 0.0330857 | 0.728272 | 56.6058 | New Structural Fill | 100 | 34 | 39.8252 | 74.1243 | -38.3624 | 0 | -38.3624 | 22.0491 | 22.0491 |
| 48 | 0.0330857 | 0.520558 | 56.6438 | New Structural Fill | 100 | 34 | 38.3372 | 71.3547 | -42.4684 | 0 | -42.4684 | 15.7697 | 15.7697 |
| 49 | 0.0330857 | 0.312545 | 56.6817 | New Structural Fill | 100 | 34 | 36.8485 | 68.5839 | -46.5762 | 0 | -46.5762 | 9.48127 | 9.48127 |
| 50 | 0.0330857 | 0.104232 | 56.7197 | New Structural Fill | 100 | 34 | 35.3592 | 65.812 | -50.6858 | 0 | -50.6858 | 3.18383 | 3.18383 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.78336

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.23921 | 73.532 | -25.338 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 138.925 | 247.754 | 125.119 | 0 | 125.119 | 59.3369 | 59.3369 |
| 2 | 1.23921 | 216.806 | -23.5351 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 198.665 | 354.291 | 261.48 | 0 | 261.48 | 174.953 | 174.953 |
| 3 | 1.23921 | 352.652 | -21.7566 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 253.022 | 451.229 | 385.556 | 0 | 385.556 | 284.577 | 284.577 |
| 4 | 1.23921 | 481.354 | -19.9999 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 302.521 | 539.504 | 498.542 | 0 | 498.542 | 388.434 | 388.434 |
| 5 | 1.23921 | 603.159 | -18.2626 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 347.596 | 619.889 | 601.43 | 0 | 601.43 | 486.726 | 486.726 |
| 6 | 1.23921 | 718.281 | -16.5425 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 388.611 | 693.033 | 695.051 | 0 | 695.051 | 579.625 | 579.625 |
| 7 | 1.23921 | 826.907 | -14.8377 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 425.872 | 759.483 | 780.103 | 0 | 780.103 | 667.283 | 667.283 |
| 8 | 1.23921 | 929.198 | -13.1462 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 459.64 | 819.703 | 857.184 | 0 | 857.184 | 749.831 | 749.831 |
| 9 | 1.23921 | 1025.29 | -11.4663 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 490.137 | 874.09 | 926.791 | 0 | 926.791 | 827.372 | 827.372 |
| 10 | 1.23921 | 1115.31 | -9.79634 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 517.555 | 922.986 | 989.377 | 0 | 989.377 | 900.014 | 900.014 |
| 11 | 1.23921 | 1199.35 | -8.13475 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 542.059 | 966.687 | 1045.31 | 0 | 1045.31 | 967.83 | 967.83 |
| 12 | 1.23921 | 1277.49 | -6.48003 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 563.795 | 1005.45 | 1094.93 | 0 | 1094.93 | 1030.89 | 1030.89 |
| 13 | 1.23921 | 1349.8 | -4.83073 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 582.885 | 1039.49 | 1138.5 | 0 | 1138.5 | 1089.24 | 1089.24 |
| 14 | 1.23921 | 1416.32 | -3.18543 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 599.438 | 1069.01 | 1176.28 | 0 | 1176.28 | 1142.92 | 1142.92 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 1.23921 | 1477.1 | -1.54277 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 613.549 | 1094.18 | 1208.49 | 0 | 1208.49 | 1191.97 | 1191.97 |
| 16 | 1.23921 | 1532.16 | 0.0986333 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 625.301 | 1115.14 | 1235.31 | 0 | 1235.31 | 1236.39 | 1236.39 |
| 17 | 1.23921 | 1581.49 | 1.74011 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 634.764 | 1132.01 | 1256.92 | 0 | 1256.92 | 1276.2 | 1276.2 |
| 18 | 1.23921 | 1625.09 | 3.38303 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 642 | 1144.92 | 1273.43 | 0 | 1273.43 | 1311.38 | 1311.38 |
| 19 | 1.23921 | 1662.94 | 5.02873 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 647.065 | 1153.95 | 1285 | 0 | 1285 | 1341.94 | 1341.94 |
| 20 | 1.23921 | 1695 | 6.67861 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 649.998 | 1159.18 | 1291.69 | 0 | 1291.69 | 1367.81 | 1367.81 |
| 21 | 1.23921 | 1721.23 | 8.33407 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 650.844 | 1160.69 | 1293.63 | 0 | 1293.63 | 1388.97 | 1388.97 |
| 22 | 1.23921 | 1740.46 | 9.99658 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 649.274 | 1157.89 | 1290.05 | 0 | 1290.05 | 1404.49 | 1404.49 |
| 23 | 1.23921 | 1743.79 | 11.6676 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 642.468 | 1145.75 | 1274.5 | 0 | 1274.5 | 1407.17 | 1407.17 |
| 24 | 1.23921 | 1738.63 | 13.3489 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 632.967 | 1128.81 | 1252.82 | 0 | 1252.82 | 1403.02 | 1403.02 |
| 25 | 1.23921 | 4966.1 | 15.0419 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1645.99 | 2935.39 | 3565.14 | 0 | 3565.14 | 4007.47 | 4007.47 |
| 26 | 1.23921 | 4970.48 | 16.7484 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1626.84 | 2901.24 | 3521.43 | 0 | 3521.43 | 4011.01 | 4011.01 |
| 27 | 1.23921 | 4908.61 | 18.4704 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1587.19 | 2830.53 | 3430.92 | 0 | 3430.92 | 3961.08 | 3961.08 |
| 28 | 1.23921 | 4840.03 | 20.2099 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1545.89 | 2756.88 | 3336.65 | 0 | 3336.65 | 3905.73 | 3905.73 |
| 29 | 1.23921 | 4764.52 | 21.9691 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1502.9 | 2680.22 | 3238.53 | 0 | 3238.53 | 3844.81 | 3844.81 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 1.23921 | 4681.84 | 23.7504 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1458.19 | 2600.47 | 3136.46 | 0 | 3136.46 | 3778.09 | 3778.09 |
| 31 | 1.23921 | 4591.69 | 25.5565 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1411.68 | 2517.53 | 3030.3 | 0 | 3030.3 | 3705.34 | 3705.34 |
| 32 | 1.23921 | 4493.75 | 27.3902 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1363.32 | 2431.29 | 2919.92 | 0 | 2919.92 | 3626.3 | 3626.3 |
| 33 | 1.23921 | 4387.63 | 29.2548 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1313.05 | 2341.64 | 2805.17 | 0 | 2805.17 | 3540.66 | 3540.66 |
| 34 | 1.23921 | 4272.88 | 31.1542 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1260.79 | 2248.44 | 2685.88 | 0 | 2685.88 | 3448.06 | 3448.06 |
| 35 | 1.23921 | 4148.99 | 33.0925 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1206.45 | 2151.53 | 2561.85 | 0 | 2561.85 | 3348.09 | 3348.09 |
| 36 | 1.23921 | 4015.36 | 35.0746 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1149.93 | 2050.74 | 2432.83 | 0 | 2432.83 | 3240.26 | 3240.26 |
| 37 | 1.23921 | 3871.27 | 37.1061 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1091.12 | 1945.86 | 2298.59 | 0 | 2298.59 | 3123.98 | 3123.98 |
| 38 | 1.23921 | 3715.87 | 39.1938 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1029.88 | 1836.65 | 2158.82 | 0 | 2158.82 | 2998.58 | 2998.58 |
| 39 | 1.23921 | 3548.16 | 41.3456 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 966.075 | 1722.86 | 2013.17 | 0 | 2013.17 | 2863.25 | 2863.25 |
| 40 | 1.23921 | 3366.87 | 43.5712 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 899.51 | 1604.15 | 1861.23 | 0 | 1861.23 | 2716.95 | 2716.95 |
| 41 | 1.23921 | 3170.48 | 45.8825 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 829.978 | 1480.15 | 1702.52 | 0 | 1702.52 | 2558.47 | 2558.47 |
| 42 | 1.23921 | 2957.03 | 48.2947 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 757.239 | 1350.43 | 1536.48 | 0 | 1536.48 | 2386.23 | 2386.23 |
| 43 | 1.23921 | 2724.02 | 50.8272 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 680.984 | 1214.44 | 1362.42 | 0 | 1362.42 | 2198.19 | 2198.19 |
| 44 | 1.14551 | 2295.08 | 53.3985 | New Structural Fill | 100 | 34 | 539.248 | 961.674 | 1277.48 | 0 | 1277.48 | 2003.54 | 2003.54 |
| 45 | 1.14551 | 2063.51 | 56.0282 | New Structural Fill | 100 | 34 | 541.125 | 965.021 | 1282.44 | 0 | 1282.44 | 2085.55 | 2085.55 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | 1.14551 | 1808.29 | 58.8523 | New Structural Fill | 100 | 34 | 494.786 | 882.381 | 1159.93 | 0 | 1159.93 | 1978.6 | 1978.6 |
| 47 | 1.14551 | 1521.1 | 61.931 | New Structural Fill | 100 | 34 | 415.147 | 740.357 | 949.369 | 0 | 949.369 | 1727.88 | 1727.88 |
| 48 | 1.14551 | 1190.77 | 65.3629 | New Structural Fill | 100 | 34 | 329.113 | 586.927 | 721.898 | 0 | 721.898 | 1439.52 | 1439.52 |
| 49 | 1.14551 | 796.83 | 69.3322 | New Structural Fill | 100 | 34 | 234.921 | 418.948 | 472.861 | 0 | 472.861 | 1095.62 | 1095.62 |
| 50 | 1.14551 | 290.284 | 74.2827 | New Structural Fill | 100 | 34 | 129.355 | 230.687 | 193.751 | 0 | 193.751 | 653.415 | 653.415 |

## Cross Section AA-AA' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 1.18653

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.73555 | 235.473 | 4.18982 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 160.208 | 190.091 | 51.3147 | 0 | 51.3147 | 63.051 | 63.051 |
| 2 | 3.73555 | 719.085 | 4.90392 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 239.65 | 284.352 | 171.963 | 0 | 171.963 | 192.524 | 192.524 |
| 3 | 3.73555 | 1403.12 | 5.61878 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 351.035 | 416.514 | 341.122 | 0 | 341.122 | 375.658 | 375.658 |
| 4 | 3.73555 | 2120.23 | 6.33452 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 466.122 | 553.068 | 515.903 | 0 | 515.903 | 567.648 | 567.648 |
| 5 | 3.73555 | 2814.37 | 7.05126 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 575.68 | 683.062 | 682.287 | 0 | 682.287 | 753.495 | 753.495 |
| 6 | 3.73555 | 3485.46 | 7.7691 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 679.807 | 806.611 | 840.424 | 0 | 840.424 | 933.173 | 933.173 |
| 7 | 3.73555 | 4133.38 | 8.48818 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 778.594 | 923.825 | 990.45 | 0 | 990.45 | 1106.65 | 1106.65 |
| 8 | 3.73555 | 4758 | 9.2086 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 872.13 | 1034.81 | 1132.5 | 0 | 1132.5 | 1273.89 | 1273.89 |
| 9 | 3.73555 | 5359.18 | 9.9305 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 960.495 | 1139.66 | 1266.7 | 0 | 1266.7 | 1434.86 | 1434.86 |
| 10 | 3.73555 | 5936.78 | 10.654 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1043.77 | 1238.46 | 1393.17 | 0 | 1393.17 | 1589.52 | 1589.52 |
| 11 | 3.73555 | 6490.63 | 11.3792 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1122.02 | 1331.31 | 1512.01 | 0 | 1512.01 | 1737.83 | 1737.83 |
| 12 | 3.73555 | 7020.56 | 12.1063 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1195.33 | 1418.29 | 1623.33 | 0 | 1623.33 | 1879.73 | 1879.73 |
| 13 | 3.73555 | 7526.38 | 12.8353 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1263.74 | 1499.47 | 1727.24 | 0 | 1727.24 | 2015.17 | 2015.17 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 3.73555 | 8007.87 | 13.5665 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1327.33 | 1574.92 | 1823.82 | 0 | 1823.82 | 2144.11 | 2144.11 |
| 15 | 3.73555 | 8464.83 | 14.2999 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1386.16 | 1644.72 | 1913.15 | 0 | 1913.15 | 2266.48 | 2266.48 |
| 16 | 3.73555 | 8897.02 | 15.0358 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1440.28 | 1708.93 | 1995.34 | 0 | 1995.34 | 2382.22 | 2382.22 |
| 17 | 3.73555 | 9304.19 | 15.7742 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1489.72 | 1767.6 | 2070.44 | 0 | 2070.44 | 2491.26 | 2491.26 |
| 18 | 3.73555 | 9686.06 | 16.5152 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1534.56 | 1820.8 | 2138.53 | 0 | 2138.53 | 2593.53 | 2593.53 |
| 19 | 3.73555 | 10042.4 | 17.2592 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1574.83 | 1868.58 | 2199.68 | 0 | 2199.68 | 2688.96 | 2688.96 |
| 20 | 3.73555 | 10372.8 | 18.0061 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1610.56 | 1910.98 | 2253.96 | 0 | 2253.96 | 2777.45 | 2777.45 |
| 21 | 3.73555 | 10677 | 18.7562 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1641.81 | 1948.06 | 2301.41 | 0 | 2301.41 | 2858.93 | 2858.93 |
| 22 | 3.73555 | 10954.6 | 19.5097 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1668.61 | 1979.85 | 2342.1 | 0 | 2342.1 | 2933.3 | 2933.3 |
| 23 | 3.73555 | 11205.4 | 20.2667 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1690.97 | 2006.39 | 2376.07 | 0 | 2376.07 | 3000.47 | 3000.47 |
| 24 | 3.73555 | 11428.8 | 21.0274 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1708.95 | 2027.72 | 2403.38 | 0 | 2403.38 | 3060.32 | 3060.32 |
| 25 | 3.73555 | 11624.5 | 21.7921 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1722.57 | 2043.88 | 2424.05 | 0 | 2424.05 | 3112.76 | 3112.76 |
| 26 | 3.73555 | 11792.1 | 22.5608 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1731.85 | 2054.89 | 2438.14 | 0 | 2438.14 | 3157.65 | 3157.65 |
| 27 | 3.73555 | 11931 | 23.3338 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1736.8 | 2060.77 | 2445.68 | 0 | 2445.68 | 3194.88 | 3194.88 |
| 28 | 3.73555 | 11937.8 | 24.1114 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1723.44 | 2044.91 | 2425.38 | 0 | 2425.38 | 3196.72 | 3196.72 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 3.73555 | 11608.6 | 24.8937 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1664.66 | 1975.17 | 2336.11 | 0 | 2336.11 | 3108.6 | 3108.6 |
| 30 | 3.73555 | 11228.9 | 25.681 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1599.83 | 1898.25 | 2237.66 | 0 | 2237.66 | 3006.95 | 3006.95 |
| 31 | 3.73555 | 10818.4 | 26.4735 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1531.74 | 1817.46 | 2134.25 | 0 | 2134.25 | 2897.06 | 2897.06 |
| 32 | 3.73555 | 10376.5 | 27.2716 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1460.4 | 1732.81 | 2025.9 | 0 | 2025.9 | 2778.75 | 2778.75 |
| 33 | 3.73555 | 9902.5 | 28.0754 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1385.82 | 1644.32 | 1912.65 | 0 | 1912.65 | 2651.84 | 2651.84 |
| 34 | 3.73555 | 9395.68 | 28.8853 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1308.03 | 1552.02 | 1794.51 | 0 | 1794.51 | 2516.14 | 2516.14 |
| 35 | 3.73555 | 8855.26 | 29.7015 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1227.05 | 1455.93 | 1671.51 | 0 | 1671.51 | 2371.45 | 2371.45 |
| 36 | 3.73555 | 8280.45 | 30.5245 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1142.87 | 1356.05 | 1543.68 | 0 | 1543.68 | 2217.54 | 2217.54 |
| 37 | 3.73555 | 7670.37 | 31.3544 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1055.53 | 1252.42 | 1411.03 | 0 | 1411.03 | 2054.18 | 2054.18 |
| 38 | 3.73555 | 7007.62 | 32.1918 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 962.985 | 1142.61 | 1270.48 | 0 | 1270.48 | 1876.72 | 1876.72 |
| 39 | 3.73555 | 13297.4 | 33.0369 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1730.35 | 2053.11 | 2435.86 | 0 | 2435.86 | 3561.15 | 3561.15 |
| 40 | 3.73555 | 14954.9 | 33.8902 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1916.1 | 2273.51 | 2717.97 | 0 | 2717.97 | 4005.07 | 4005.07 |
| 41 | 3.73555 | 13730 | 34.7522 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1748.75 | 2074.95 | 2463.81 | 0 | 2463.81 | 3677.06 | 3677.06 |
| 42 | 3.73555 | 12464.5 | 35.6232 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1579.34 | 1873.93 | 2206.53 | 0 | 2206.53 | 3338.2 | 3338.2 |
| 43 | 3.73555 | 11157 | 36.5039 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1407.87 | 1670.48 | 1946.13 | 0 | 1946.13 | 2988.05 | 2988.05 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44 | 3.73555 | 9806.03 | 37.3947 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1234.41 | 1464.66 | 1682.69 | 0 | 1682.69 | 2626.28 | 2626.28 |
| 45 | 3.73555 | 8410.14 | 38.2962 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1063.23 | 1261.55 | 1422.72 | 0 | 1422.72 | 2262.29 | 2262.29 |
| 46 | 3.83245 | 7164.7 | 39.221 | New Structural Fill | 100 | 34 | 939.209 | 1114.4 | 1503.91 | 0 | 1503.91 | 2270.48 | 2270.48 |
| 47 | 3.83245 | 5666.2 | 40.1702 | New Structural Fill | 100 | 34 | 778.861 | 924.142 | 1221.84 | 0 | 1221.84 | 1879.34 | 1879.34 |
| 48 | 3.83245 | 4115.22 | 41.1329 | New Structural Fill | 100 | 34 | 616.432 | 731.415 | 936.112 | 0 | 936.112 | 1474.48 | 1474.48 |
| 49 | 3.83245 | 2509.42 | 42.1099 | New Structural Fill | 100 | 34 | 451.962 | 536.267 | 646.791 | 0 | 646.791 | 1055.31 | 1055.31 |
| 50 | 3.83245 | 846.256 | 43.1022 | New Structural Fill | 100 | 34 | 285.502 | 338.757 | 353.972 | 0 | 353.972 | 621.161 | 621.161 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.13744

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.6989 | 281.338 | -1.94415 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 188.514 | 214.424 | 82.4588 | 0 | 82.4588 | 76.0597 | 76.0597 |
| 2 | 3.6989 | 915.185 | -1.01417 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 305.539 | 347.532 | 252.829 | 0 | 252.829 | 247.42 | 247.42 |
| 3 | 3.6989 | 1705.18 | -0.0844595 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 448.978 | 510.686 | 461.658 | 0 | 461.658 | 460.996 | 460.996 |
| 4 | 3.6989 | 2582.69 | 0.845231 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 605.342 | 688.54 | 689.3 | 0 | 689.3 | 698.23 | 698.23 |
| 5 | 3.6989 | 3431.33 | 1.77514 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 753.038 | 856.535 | 904.323 | 0 | 904.323 | 927.661 | 927.661 |
| 6 | 3.6989 | 4251.06 | 2.70553 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 892.328 | 1014.97 | 1107.11 | 0 | 1107.11 | 1149.28 | 1149.28 |
| 7 | 3.6989 | 5041.84 | 3.63662 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1023.46 | 1164.12 | 1298.02 | 0 | 1298.02 | 1363.06 | 1363.06 |
| 8 | 3.6989 | 5803.58 | 4.56868 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1146.65 | 1304.25 | 1477.37 | 0 | 1477.37 | 1569 | 1569 |
| 9 | 3.6989 | 6536.17 | 5.50195 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1262.13 | 1435.6 | 1645.49 | 0 | 1645.49 | 1767.06 | 1767.06 |
| 10 | 3.6989 | 7239.5 | 6.43669 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1370.08 | 1558.38 | 1802.64 | 0 | 1802.64 | 1957.21 | 1957.21 |
| 11 | 3.6989 | 7913.42 | 7.37316 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1470.67 | 1672.8 | 1949.09 | 0 | 1949.09 | 2139.4 | 2139.4 |
| 12 | 3.6989 | 8557.74 | 8.31161 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1564.08 | 1779.05 | 2085.09 | 0 | 2085.09 | 2313.59 | 2313.59 |
| 13 | 3.6989 | 9172.27 | 9.25231 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1650.48 | 1877.32 | 2210.87 | 0 | 2210.87 | 2479.73 | 2479.73 |
| 14 | 3.6989 | 9756.77 | 10.1955 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1729.98 | 1967.75 | 2326.62 | 0 | 2326.62 | 2637.75 | 2637.75 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 3.6989 | 10311 | 11.1416 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1802.75 | 2050.52 | 2432.55 | 0 | 2432.55 | 2787.59 | 2787.59 |
| 16 | 3.6989 | 10834.7 | 12.0907 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1868.88 | 2125.74 | 2528.83 | 0 | 2528.83 | 2929.17 | 2929.17 |
| 17 | 3.6989 | 11327.5 | 13.0432 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1928.51 | 2193.56 | 2615.64 | 0 | 2615.64 | 3062.4 | 3062.4 |
| 18 | 3.6989 | 11789.1 | 13.9993 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1981.72 | 2254.09 | 2693.11 | 0 | 2693.11 | 3187.19 | 3187.19 |
| 19 | 3.6989 | 12219 | 14.9595 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 2028.63 | 2307.44 | 2761.41 | 0 | 2761.41 | 3303.44 | 3303.44 |
| 20 | 3.6989 | 12617 | 15.924 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 2069.31 | 2353.72 | 2820.64 | 0 | 2820.64 | 3411.03 | 3411.03 |
| 21 | 3.6989 | 12982.5 | 16.8932 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 2103.86 | 2393.01 | 2870.9 | 0 | 2870.9 | 3509.83 | 3509.83 |
| 22 | 3.6989 | 13315.1 | 17.8673 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 2132.32 | 2425.39 | 2912.38 | 0 | 2912.38 | 3599.76 | 3599.76 |
| 23 | 3.6989 | 13614.1 | 18.8469 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 2154.79 | 2450.95 | 2945.08 | 0 | 2945.08 | 3680.6 | 3680.6 |
| 24 | 3.6989 | 13879.2 | 19.8321 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 2171.33 | 2469.76 | 2969.17 | 0 | 2969.17 | 3752.27 | 3752.27 |
| 25 | 3.6989 | 14109.5 | 20.8236 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 2181.97 | 2481.86 | 2984.66 | 0 | 2984.66 | 3814.54 | 3814.54 |
| 26 | 3.6989 | 14304.5 | 21.8216 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 2186.78 | 2487.33 | 2991.64 | 0 | 2991.64 | 3867.24 | 3867.24 |
| 27 | 3.6989 | 14463.4 | 22.8266 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 2185.79 | 2486.2 | 2990.2 | 0 | 2990.2 | 3910.22 | 3910.22 |
| 28 | 3.6989 | 14580 | 23.8391 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 2178.26 | 2477.64 | 2979.24 | 0 | 2979.24 | 3941.75 | 3941.75 |
| 29 | 3.6989 | 14391.6 | 24.8595 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 2127.36 | 2419.75 | 2905.14 | 0 | 2905.14 | 3890.8 | 3890.8 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 3.6989 | 14016 | 25.8885 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 2050.94 | 2332.82 | 2793.89 | 0 | 2793.89 | 3789.26 | 3789.26 |
| 31 | 3.6989 | 13600.8 | 26.9265 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1970.19 | 2240.97 | 2676.33 | 0 | 2676.33 | 3677.01 | 3677.01 |
| 32 | 3.6989 | 13144.8 | 27.9742 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1885.13 | 2144.22 | 2552.49 | 0 | 2552.49 | 3553.74 | 3553.74 |
| 33 | 3.6989 | 12646.9 | 29.0321 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1795.77 | 2042.58 | 2422.4 | 0 | 2422.4 | 3419.13 | 3419.13 |
| 34 | 3.6989 | 12105.8 | 30.101 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1702.15 | 1936.09 | 2286.1 | 0 | 2286.1 | 3272.84 | 3272.84 |
| 35 | 3.6989 | 11520.2 | 31.1816 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1604.29 | 1824.78 | 2143.61 | 0 | 2143.61 | 3114.5 | 3114.5 |
| 36 | 3.6989 | 10888.4 | 32.2747 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1502.19 | 1708.65 | 1994.98 | 0 | 1994.98 | 2943.69 | 2943.69 |
| 37 | 3.6989 | 10208.8 | 33.3811 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1395.88 | 1587.73 | 1840.21 | 0 | 1840.21 | 2759.97 | 2759.97 |
| 38 | 3.6989 | 9479.62 | 34.5018 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1285.4 | 1462.06 | 1679.35 | 0 | 1679.35 | 2562.84 | 2562.84 |
| 39 | 3.6989 | 9402.07 | 35.6377 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1258.23 | 1431.16 | 1639.81 | 0 | 1639.81 | 2541.87 | 2541.87 |
| 40 | 3.6989 | 17405.7 | 36.7901 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 2222.49 | 2527.95 | 3043.64 | 0 | 3043.64 | 4705.68 | 4705.68 |
| 41 | 3.6989 | 16060.2 | 37.9601 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 2027.67 | 2306.35 | 2760.02 | 0 | 2760.02 | 4341.93 | 4341.93 |
| 42 | 3.6989 | 14655.8 | 39.149 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1830.09 | 2081.62 | 2472.36 | 0 | 2472.36 | 3962.23 | 3962.23 |
| 43 | 3.6989 | 13189.5 | 40.3584 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1629.81 | 1853.81 | 2180.77 | 0 | 2180.77 | 3565.81 | 3565.81 |
| 44 | 3.6989 | 11657.8 | 41.5899 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1426.88 | 1622.99 | 1885.34 | 0 | 1885.34 | 3151.73 | 3151.73 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 | 3.6989 | 10057.1 | 42.8453 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1221.38 | 1389.25 | 1586.17 | 0 | 1586.17 | 2718.98 | 2718.98 |
| 46 | 3.6989 | 8384.3 | 44.1269 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1065.84 | 1212.33 | 1359.72 | 0 | 1359.72 | 2393.56 | 2393.56 |
| 47 | 3.77022 | 6790 | 45.4498 | New Structural Fill | 100 | 34 | 869.394 | 988.883 | 1317.82 | 0 | 1317.82 | 2200.97 | 2200.97 |
| 48 | 3.77022 | 4965.74 | 46.8175 | New Structural Fill | 100 | 34 | 677.855 | 771.019 | 994.827 | 0 | 994.827 | 1717.11 | 1717.11 |
| 49 | 3.77022 | 3049.58 | 48.221 | New Structural Fill | 100 | 34 | 483.723 | 550.206 | 667.459 | 0 | 667.459 | 1208.87 | 1208.87 |
| 50 | 3.77022 | 1033.82 | 49.6641 | New Structural Fill | 100 | 34 | 287.177 | 326.647 | 336.017 | 0 | 336.017 | 674.215 | 674.215 |

## Cross Section BB-BB' - Master Scenario

### Global Minimum Query (bishop simplified) - Safety Factor: 1.63998

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.90259 | 294.542 | 11.9776 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 127.009 | 208.292 | 74.611 | 0 | 74.611 | 101.556 | 101.556 |
| 2 | 2.90259 | 877.299 | 12.6096 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 212.84 | 349.053 | 254.776 | 0 | 254.776 | 302.389 | 302.389 |
| 3 | 2.90259 | 1441.78 | 13.2432 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 295.113 | 483.979 | 427.474 | 0 | 427.474 | 496.927 | 496.927 |
| 4 | 2.90259 | 1872.19 | 13.8784 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 356.865 | 585.252 | 557.097 | 0 | 557.097 | 645.27 | 645.27 |
| 5 | 2.90259 | 2240.37 | 14.5154 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 408.891 | 670.573 | 666.302 | 0 | 666.302 | 772.166 | 772.166 |
| 6 | 2.90259 | 2595.53 | 15.1542 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 458.486 | 751.908 | 770.407 | 0 | 770.407 | 894.582 | 894.582 |
| 7 | 2.90259 | 2937.57 | 15.795 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 505.663 | 829.278 | 869.435 | 0 | 869.435 | 1012.48 | 1012.48 |
| 8 | 2.90259 | 3266.36 | 16.4378 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 550.434 | 902.701 | 963.413 | 0 | 963.413 | 1125.81 | 1125.81 |
| 9 | 2.90259 | 3581.76 | 17.0827 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 592.807 | 972.191 | 1052.36 | 0 | 1052.36 | 1234.53 | 1234.53 |
| 10 | 2.90259 | 3883.66 | 17.7299 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 632.791 | 1037.76 | 1136.29 | 0 | 1136.29 | 1338.6 | 1338.6 |
| 11 | 2.90259 | 4171.88 | 18.3794 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 670.394 | 1099.43 | 1215.22 | 0 | 1215.22 | 1437.96 | 1437.96 |
| 12 | 2.90259 | 4446.3 | 19.0313 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 705.624 | 1157.21 | 1289.17 | 0 | 1289.17 | 1532.56 | 1532.56 |
| 13 | 2.90259 | 4706.74 | 19.6858 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 738.485 | 1211.1 | 1358.14 | 0 | 1358.14 | 1622.35 | 1622.35 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 2.90259 | 4953.04 | 20.3431 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 768.979 | 1261.11 | 1422.16 | 0 | 1422.16 | 1707.27 | 1707.27 |
| 15 | 2.90259 | 5185.02 | 21.0031 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 797.119 | 1307.26 | 1481.22 | 0 | 1481.22 | 1787.26 | 1787.26 |
| 16 | 2.90259 | 5402.48 | 21.666 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 822.894 | 1349.53 | 1535.33 | 0 | 1535.33 | 1862.24 | 1862.24 |
| 17 | 2.90259 | 5605.24 | 22.3321 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 846.321 | 1387.95 | 1584.5 | 0 | 1584.5 | 1932.15 | 1932.15 |
| 18 | 2.90259 | 5793.08 | 23.0013 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 867.389 | 1422.5 | 1628.72 | 0 | 1628.72 | 1996.93 | 1996.93 |
| 19 | 2.90259 | 5965.79 | 23.6738 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 886.102 | 1453.19 | 1668 | 0 | 1668 | 2056.49 | 2056.49 |
| 20 | 2.90259 | 6123.12 | 24.3499 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 902.456 | 1480.01 | 1702.33 | 0 | 1702.33 | 2110.75 | 2110.75 |
| 21 | 2.90259 | 6264.85 | 25.0295 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 916.45 | 1502.96 | 1731.72 | 0 | 1731.72 | 2159.64 | 2159.64 |
| 22 | 2.90259 | 6390.7 | 25.713 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 928.084 | 1522.04 | 1756.14 | 0 | 1756.14 | 2203.05 | 2203.05 |
| 23 | 2.90259 | 6500.41 | 26.4004 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 937.353 | 1537.24 | 1775.59 | 0 | 1775.59 | 2240.9 | 2240.9 |
| 24 | 2.90259 | 6593.69 | 27.0919 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 944.249 | 1548.55 | 1790.07 | 0 | 1790.07 | 2273.09 | 2273.09 |
| 25 | 2.90259 | 6670.24 | 27.7877 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 948.768 | 1555.96 | 1799.55 | 0 | 1799.55 | 2299.52 | 2299.52 |
| 26 | 2.90259 | 6729.73 | 28.488 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 950.902 | 1559.46 | 1804.02 | 0 | 1804.02 | 2320.06 | 2320.06 |
| 27 | 2.90259 | 6771.84 | 29.1929 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 950.64 | 1559.03 | 1803.48 | 0 | 1803.48 | 2334.62 | 2334.62 |
| 28 | 2.90259 | 6796.2 | 29.9028 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 947.975 | 1554.66 | 1797.88 | 0 | 1797.88 | 2343.05 | 2343.05 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 2.90259 | 6802.44 | 30.6177 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 942.896 | 1546.33 | 1787.22 | 0 | 1787.22 | 2345.24 | 2345.24 |
| 30 | 2.90259 | 6790.15 | 31.338 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 935.389 | 1534.02 | 1771.46 | 0 | 1771.46 | 2341.04 | 2341.04 |
| 31 | 2.90259 | 6758.91 | 32.0638 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 925.444 | 1517.71 | 1750.59 | 0 | 1750.59 | 2330.31 | 2330.31 |
| 32 | 2.90259 | 6708.27 | 32.7955 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 913.048 | 1497.38 | 1724.57 | 0 | 1724.57 | 2312.88 | 2312.88 |
| 33 | 2.90259 | 6637.75 | 33.5332 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 898.182 | 1473 | 1693.37 | 0 | 1693.37 | 2288.61 | 2288.61 |
| 34 | 2.90259 | 6546.85 | 34.2772 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 880.834 | 1444.55 | 1656.95 | 0 | 1656.95 | 2257.31 | 2257.31 |
| 35 | 2.90259 | 6435.02 | 35.0279 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 860.986 | 1412 | 1615.29 | 0 | 1615.29 | 2218.79 | 2218.79 |
| 36 | 2.90259 | 6301.68 | 35.7856 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 838.62 | 1375.32 | 1568.34 | 0 | 1568.34 | 2172.85 | 2172.85 |
| 37 | 2.90259 | 6146.22 | 36.5506 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 813.717 | 1334.48 | 1516.06 | 0 | 1516.06 | 2119.29 | 2119.29 |
| 38 | 2.90259 | 5967.99 | 37.3232 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 786.253 | 1289.44 | 1458.41 | 0 | 1458.41 | 2057.88 | 2057.88 |
| 39 | 2.90259 | 5766.27 | 38.1038 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 756.204 | 1240.16 | 1395.34 | 0 | 1395.34 | 1988.36 | 1988.36 |
| 40 | 2.90259 | 5540.32 | 38.8929 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 723.552 | 1186.61 | 1326.8 | 0 | 1326.8 | 1910.49 | 1910.49 |
| 41 | 2.90259 | 5289.32 | 39.6908 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 688.272 | 1128.75 | 1252.75 | 0 | 1252.75 | 1823.98 | 1823.98 |
| 42 | 2.90259 | 5012.4 | 40.4981 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 650.338 | 1066.54 | 1173.12 | 0 | 1173.12 | 1728.52 | 1728.52 |
| 43 | 2.90259 | 4708.62 | 41.3152 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 609.723 | 999.934 | 1087.87 | 0 | 1087.87 | 1623.81 | 1623.81 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44 | 2.90259 | 4376.96 | 42.1427 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 566.4 | 928.885 | 996.927 | 0 | 996.927 | 1509.48 | 1509.48 |
| 45 | 2.90259 | 4016.34 | 42.9811 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 520.341 | 853.349 | 900.246 | 0 | 900.246 | 1385.15 | 1385.15 |
| 46 | 2.90259 | 3625.54 | 43.8312 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 471.516 | 773.277 | 797.757 | 0 | 797.757 | 1250.42 | 1250.42 |
| 47 | 2.90259 | 3203.28 | 44.6935 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 419.895 | 688.62 | 689.403 | 0 | 689.403 | 1104.83 | 1104.83 |
| 48 | 2.90259 | 2578.12 | 45.5689 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 346.653 | 568.504 | 535.662 | 0 | 535.662 | 889.268 | 889.268 |
| 49 | 2.90259 | 1577.98 | 46.4581 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 233.67 | 383.214 | 298.5 | 0 | 298.5 | 544.377 | 544.377 |
| 50 | 2.90259 | 532.165 | 47.3622 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 117.959 | 193.45 | 55.6136 | 0 | 55.6136 | 183.723 | 183.723 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.58156

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.84538 | 333.851 | 6.59445 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 144.559 | 228.629 | 100.641 | 0 | 100.641 | 117.353 | 117.353 |
| 2 | 2.84538 | 993.995 | 7.40499 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 251.301 | 397.448 | 316.719 | 0 | 316.719 | 349.379 | 349.379 |
| 3 | 2.84538 | 1635.72 | 8.21702 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 353.632 | 559.291 | 523.87 | 0 | 523.87 | 574.937 | 574.937 |
| 4 | 2.84538 | 2150.84 | 9.03072 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 434.211 | 686.73 | 686.983 | 0 | 686.983 | 755.994 | 755.994 |
| 5 | 2.84538 | 2595.94 | 9.84625 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 502.505 | 794.742 | 825.232 | 0 | 825.232 | 912.447 | 912.447 |
| 6 | 2.84538 | 3025.59 | 10.6638 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 567.415 | 897.401 | 956.63 | 0 | 956.63 | 1063.47 | 1063.47 |
| 7 | 2.84538 | 3439.67 | 11.4836 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 628.976 | 994.763 | 1081.25 | 0 | 1081.25 | 1209.03 | 1209.03 |
| 8 | 2.84538 | 3838.04 | 12.3057 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 687.22 | 1086.88 | 1199.15 | 0 | 1199.15 | 1349.06 | 1349.06 |
| 9 | 2.84538 | 4220.56 | 13.1305 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 742.179 | 1173.8 | 1310.4 | 0 | 1310.4 | 1483.53 | 1483.53 |
| 10 | 2.84538 | 4587.09 | 13.958 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 793.874 | 1255.56 | 1415.06 | 0 | 1415.06 | 1612.37 | 1612.37 |
| 11 | 2.84538 | 4937.44 | 14.7885 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 842.339 | 1332.21 | 1513.16 | 0 | 1513.16 | 1735.53 | 1735.53 |
| 12 | 2.84538 | 5271.44 | 15.6222 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 887.592 | 1403.78 | 1604.76 | 0 | 1604.76 | 1852.95 | 1852.95 |
| 13 | 2.84538 | 5588.89 | 16.4592 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 929.645 | 1470.29 | 1689.9 | 0 | 1689.9 | 1964.55 | 1964.55 |
| 14 | 2.84538 | 5889.58 | 17.3 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 968.531 | 1531.79 | 1768.6 | 0 | 1768.6 | 2070.27 | 2070.27 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 2.84538 | 6173.3 | 18.1446 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1004.25 | 1588.28 | 1840.91 | 0 | 1840.91 | 2170.01 | 2170.01 |
| 16 | 2.84538 | 6439.78 | 18.9932 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1036.81 | 1639.78 | 1906.84 | 0 | 1906.84 | 2263.7 | 2263.7 |
| 17 | 2.84538 | 6688.79 | 19.8463 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1066.24 | 1686.33 | 1966.41 | 0 | 1966.41 | 2351.25 | 2351.25 |
| 18 | 2.84538 | 6920.03 | 20.7039 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1092.54 | 1727.91 | 2019.64 | 0 | 2019.64 | 2432.56 | 2432.56 |
| 19 | 2.84538 | 7133.21 | 21.5664 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1115.7 | 1764.55 | 2066.53 | 0 | 2066.53 | 2507.52 | 2507.52 |
| 20 | 2.84538 | 7328.02 | 22.4341 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1135.75 | 1796.25 | 2107.11 | 0 | 2107.11 | 2576.02 | 2576.02 |
| 21 | 2.84538 | 7504.11 | 23.3073 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1152.67 | 1823.01 | 2141.35 | 0 | 2141.35 | 2637.94 | 2637.94 |
| 22 | 2.84538 | 7661.11 | 24.1862 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1166.46 | 1844.82 | 2169.27 | 0 | 2169.27 | 2693.16 | 2693.16 |
| 23 | 2.84538 | 7798.64 | 25.0712 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1177.11 | 1861.67 | 2190.84 | 0 | 2190.84 | 2741.52 | 2741.52 |
| 24 | 2.84538 | 7916.28 | 25.9627 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1184.63 | 1873.57 | 2206.07 | 0 | 2206.07 | 2782.9 | 2782.9 |
| 25 | 2.84538 | 8013.59 | 26.861 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1189.01 | 1880.49 | 2214.93 | 0 | 2214.93 | 2817.13 | 2817.13 |
| 26 | 2.84538 | 8090.07 | 27.7665 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1190.23 | 1882.42 | 2217.4 | 0 | 2217.4 | 2844.04 | 2844.04 |
| 27 | 2.84538 | 8145.21 | 28.6795 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1188.28 | 1879.33 | 2213.44 | 0 | 2213.44 | 2863.45 | 2863.45 |
| 28 | 2.84538 | 8178.46 | 29.6006 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1183.14 | 1871.2 | 2203.03 | 0 | 2203.03 | 2875.17 | 2875.17 |
| 29 | 2.84538 | 8189.22 | 30.5302 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1174.79 | 1858 | 2186.14 | 0 | 2186.14 | 2878.97 | 2878.97 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 2.84538 | 8176.84 | 31.4688 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1163.21 | 1839.69 | 2162.7 | 0 | 2162.7 | 2874.65 | 2874.65 |
| 31 | 2.84538 | 8140.64 | 32.4169 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1148.39 | 1816.24 | 2132.69 | 0 | 2132.69 | 2861.95 | 2861.95 |
| 32 | 2.84538 | 8079.86 | 33.3751 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1130.28 | 1787.6 | 2096.03 | 0 | 2096.03 | 2840.61 | 2840.61 |
| 33 | 2.84538 | 7993.7 | 34.3439 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1108.86 | 1753.73 | 2052.68 | 0 | 2052.68 | 2810.34 | 2810.34 |
| 34 | 2.84538 | 7881.26 | 35.3241 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1084.11 | 1714.58 | 2002.57 | 0 | 2002.57 | 2770.84 | 2770.84 |
| 35 | 2.84538 | 7741.6 | 36.3163 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1055.97 | 1670.08 | 1945.62 | 0 | 1945.62 | 2721.77 | 2721.77 |
| 36 | 2.84538 | 7573.68 | 37.3213 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1024.43 | 1620.19 | 1881.75 | 0 | 1881.75 | 2662.76 | 2662.76 |
| 37 | 2.84538 | 7376.35 | 38.3399 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 989.416 | 1564.82 | 1810.89 | 0 | 1810.89 | 2593.41 | 2593.41 |
| 38 | 2.84538 | 7148.37 | 39.3731 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 950.909 | 1503.92 | 1732.94 | 0 | 1732.94 | 2513.28 | 2513.28 |
| 39 | 2.84538 | 6888.37 | 40.4218 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 908.856 | 1437.41 | 1647.8 | 0 | 1647.8 | 2421.9 | 2421.9 |
| 40 | 2.84538 | 6594.85 | 41.4871 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 863.198 | 1365.2 | 1555.38 | 0 | 1555.38 | 2318.73 | 2318.73 |
| 41 | 2.84538 | 6266.14 | 42.5703 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 813.886 | 1287.21 | 1455.56 | 0 | 1455.56 | 2203.19 | 2203.19 |
| 42 | 2.84538 | 5900.4 | 43.6726 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 760.856 | 1203.34 | 1348.22 | 0 | 1348.22 | 2074.61 | 2074.61 |
| 43 | 2.84538 | 5495.55 | 44.7956 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 704.062 | 1113.52 | 1233.24 | 0 | 1233.24 | 1932.3 | 1932.3 |
| 44 | 2.84538 | 5049.3 | 45.9408 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 643.429 | 1017.62 | 1110.5 | 0 | 1110.5 | 1775.42 | 1775.42 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 | 2.84538 | 4559.04 | 47.1103 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 578.897 | 915.561 | 979.873 | 0 | 979.873 | 1603.07 | 1603.07 |
| 46 | 2.84538 | 4021.82 | 48.306 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 510.4 | 807.229 | 841.215 | 0 | 841.215 | 1414.2 | 1414.2 |
| 47 | 2.84538 | 3434.3 | 49.5305 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 437.874 | 692.524 | 694.4 | 0 | 694.4 | 1207.64 | 1207.64 |
| 48 | 2.84538 | 2792.61 | 50.7865 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 361.255 | 571.346 | 539.297 | 0 | 539.297 | 982.026 | 982.026 |
| 49 | 2.84538 | 1907.63 | 52.0772 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 260.853 | 412.555 | 336.056 | 0 | 336.056 | 670.862 | 670.862 |
| 50 | 2.84538 | 648.622 | 53.4065 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 124.636 | 197.12 | 60.3107 | 0 | 60.3107 | 228.173 | 228.173 |

## Cross Section BB-BB' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 1.05128

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.94377 | 306.621 | 11.6208 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 190.918 | 200.708 | 64.903 | 0 | 64.903 | 104.165 | 104.165 |
| 2 | 2.94377 | 913.333 | 12.2565 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 321.382 | 337.862 | 240.453 | 0 | 240.453 | 310.27 | 310.27 |
| 3 | 2.94377 | 1499.42 | 12.8938 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 445.45 | 468.293 | 407.398 | 0 | 407.398 | 509.369 | 509.369 |
| 4 | 2.94377 | 1944.52 | 13.5326 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 537.47 | 565.031 | 531.214 | 0 | 531.214 | 660.573 | 660.573 |
| 5 | 2.94377 | 2330.41 | 14.1732 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 615.508 | 647.071 | 636.224 | 0 | 636.224 | 791.665 | 791.665 |
| 6 | 2.94377 | 2702.87 | 14.8156 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 689.522 | 724.881 | 735.814 | 0 | 735.814 | 918.194 | 918.194 |
| 7 | 2.94377 | 3061.81 | 15.4599 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 759.561 | 798.511 | 830.056 | 0 | 830.056 | 1040.13 | 1040.13 |
| 8 | 2.94377 | 3407.08 | 16.1062 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 825.667 | 868.007 | 919.009 | 0 | 919.009 | 1157.42 | 1157.42 |
| 9 | 2.94377 | 3738.56 | 16.7547 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 887.886 | 933.417 | 1002.73 | 0 | 1002.73 | 1270.03 | 1270.03 |
| 10 | 2.94377 | 4056.11 | 17.4053 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 946.258 | 994.782 | 1081.27 | 0 | 1081.27 | 1377.91 | 1377.91 |
| 11 | 2.94377 | 4359.59 | 18.0583 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1000.82 | 1052.14 | 1154.69 | 0 | 1154.69 | 1481 | 1481 |
| 12 | 2.94377 | 4648.83 | 18.7137 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1051.61 | 1105.54 | 1223.03 | 0 | 1223.03 | 1579.26 | 1579.26 |
| 13 | 2.94377 | 4923.68 | 19.3717 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1098.66 | 1155 | 1286.34 | 0 | 1286.34 | 1672.63 | 1672.63 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 2.94377 | 5183.96 | 20.0323 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1142.01 | 1200.57 | 1344.67 | 0 | 1344.67 | 1761.06 | 1761.06 |
| 15 | 2.94377 | 5429.5 | 20.6957 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1181.68 | 1242.28 | 1398.05 | 0 | 1398.05 | 1844.47 | 1844.47 |
| 16 | 2.94377 | 5660.09 | 21.3621 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1217.71 | 1280.15 | 1446.52 | 0 | 1446.52 | 1922.81 | 1922.81 |
| 17 | 2.94377 | 5875.54 | 22.0314 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1250.1 | 1314.21 | 1490.12 | 0 | 1490.12 | 1996 | 1996 |
| 18 | 2.94377 | 6075.64 | 22.704 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1278.92 | 1344.5 | 1528.89 | 0 | 1528.89 | 2063.98 | 2063.98 |
| 19 | 2.94377 | 6260.16 | 23.3799 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1304.15 | 1371.03 | 1562.85 | 0 | 1562.85 | 2126.66 | 2126.66 |
| 20 | 2.94377 | 6428.86 | 24.0592 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1325.84 | 1393.83 | 1592.03 | 0 | 1592.03 | 2183.98 | 2183.98 |
| 21 | 2.94377 | 6581.5 | 24.7422 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1344 | 1412.92 | 1616.46 | 0 | 1616.46 | 2235.83 | 2235.83 |
| 22 | 2.94377 | 6717.82 | 25.4289 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1358.65 | 1428.32 | 1636.17 | 0 | 1636.17 | 2282.14 | 2282.14 |
| 23 | 2.94377 | 6837.53 | 26.1196 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1369.8 | 1440.04 | 1651.17 | 0 | 1651.17 | 2322.81 | 2322.81 |
| 24 | 2.94377 | 6940.34 | 26.8144 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1377.46 | 1448.1 | 1661.5 | 0 | 1661.5 | 2357.74 | 2357.74 |
| 25 | 2.94377 | 7025.94 | 27.5134 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1381.68 | 1452.53 | 1667.16 | 0 | 1667.16 | 2386.83 | 2386.83 |
| 26 | 2.94377 | 7094.02 | 28.217 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1382.43 | 1453.32 | 1668.17 | 0 | 1668.17 | 2409.95 | 2409.95 |
| 27 | 2.94377 | 7144.21 | 28.9252 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1379.74 | 1450.49 | 1664.56 | 0 | 1664.56 | 2427 | 2427 |
| 28 | 2.94377 | 7176.17 | 29.6383 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1373.62 | 1444.06 | 1656.33 | 0 | 1656.33 | 2437.87 | 2437.87 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 2.94377 | 7189.49 | 30.3564 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1364.08 | 1434.03 | 1643.49 | 0 | 1643.49 | 2442.39 | 2442.39 |
| 30 | 2.94377 | 7183.78 | 31.0799 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1351.12 | 1420.41 | 1626.05 | 0 | 1626.05 | 2440.46 | 2440.46 |
| 31 | 2.94377 | 7158.6 | 31.8089 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1334.76 | 1403.21 | 1604.03 | 0 | 1604.03 | 2431.91 | 2431.91 |
| 32 | 2.94377 | 7113.48 | 32.5438 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1314.99 | 1382.42 | 1577.43 | 0 | 1577.43 | 2416.58 | 2416.58 |
| 33 | 2.94377 | 7047.95 | 33.2846 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1291.82 | 1358.06 | 1546.25 | 0 | 1546.25 | 2394.32 | 2394.32 |
| 34 | 2.94377 | 6961.48 | 34.0319 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1265.25 | 1330.13 | 1510.5 | 0 | 1510.5 | 2364.95 | 2364.95 |
| 35 | 2.94377 | 6853.51 | 34.7858 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1235.28 | 1298.63 | 1470.18 | 0 | 1470.18 | 2328.27 | 2328.27 |
| 36 | 2.94377 | 6723.46 | 35.5466 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1201.93 | 1263.56 | 1425.29 | 0 | 1425.29 | 2284.09 | 2284.09 |
| 37 | 2.94377 | 6570.71 | 36.3147 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1165.17 | 1224.92 | 1375.84 | 0 | 1375.84 | 2232.2 | 2232.2 |
| 38 | 2.94377 | 6394.56 | 37.0905 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1125.02 | 1182.71 | 1321.81 | 0 | 1321.81 | 2172.36 | 2172.36 |
| 39 | 2.94377 | 6194.32 | 37.8743 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1081.47 | 1136.93 | 1263.22 | 0 | 1263.22 | 2104.34 | 2104.34 |
| 40 | 2.94377 | 5969.2 | 38.6665 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1034.53 | 1087.58 | 1200.05 | 0 | 1200.05 | 2027.87 | 2027.87 |
| 41 | 2.94377 | 5718.38 | 39.4676 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 984.18 | 1034.65 | 1132.3 | 0 | 1132.3 | 1942.66 | 1942.66 |
| 42 | 2.94377 | 5440.97 | 40.2781 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 930.429 | 978.141 | 1059.97 | 0 | 1059.97 | 1848.42 | 1848.42 |
| 43 | 2.94377 | 5136.01 | 41.0983 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 873.271 | 918.052 | 983.063 | 0 | 983.063 | 1744.82 | 1744.82 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44 | 2.94377 | 4802.45 | 41.929 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 812.705 | 854.38 | 901.566 | 0 | 901.566 | 1631.51 | 1631.51 |
| 45 | 2.94377 | 4439.18 | 42.7706 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 748.728 | 787.123 | 815.481 | 0 | 815.481 | 1508.1 | 1508.1 |
| 46 | 2.94377 | 4044.97 | 43.6238 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 681.341 | 716.28 | 724.806 | 0 | 724.806 | 1374.18 | 1374.18 |
| 47 | 2.94377 | 3560.21 | 44.4893 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 602.037 | 632.909 | 618.096 | 0 | 618.096 | 1209.5 | 1209.5 |
| 48 | 2.94377 | 2641.1 | 45.3679 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 461.839 | 485.522 | 429.449 | 0 | 429.449 | 897.257 | 897.257 |
| 49 | 2.94377 | 1610.68 | 46.2603 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 309.211 | 325.067 | 224.076 | 0 | 224.076 | 547.197 | 547.197 |
| 50 | 2.94377 | 543.217 | 47.1675 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 155.326 | 163.291 | 17.0114 | 0 | 17.0114 | 184.557 | 184.557 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.00779

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.88407 | 346.847 | 6.19089 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 223.29 | 225.029 | 96.0329 | 0 | 96.0329 | 120.254 | 120.254 |
| 2 | 2.88407 | 1032.74 | 7.00683 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 389.333 | 392.366 | 310.215 | 0 | 310.215 | 358.066 | 358.066 |
| 3 | 2.88407 | 1696.5 | 7.8242 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 546.612 | 550.87 | 513.09 | 0 | 513.09 | 588.201 | 588.201 |
| 4 | 2.88407 | 2223.02 | 8.64317 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 667.686 | 672.887 | 669.263 | 0 | 669.263 | 770.755 | 770.755 |
| 5 | 2.88407 | 2687.77 | 9.46393 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 771.574 | 777.585 | 803.27 | 0 | 803.27 | 931.888 | 931.888 |
| 6 | 2.88407 | 3136.58 | 10.2867 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 869.569 | 876.343 | 929.677 | 0 | 929.677 | 1087.5 | 1087.5 |
| 7 | 2.88407 | 3569.32 | 11.1115 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 961.79 | 969.282 | 1048.63 | 0 | 1048.63 | 1237.53 | 1237.53 |
| 8 | 2.88407 | 3985.88 | 11.9387 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1048.35 | 1056.52 | 1160.29 | 0 | 1160.29 | 1381.95 | 1381.95 |
| 9 | 2.88407 | 4386.09 | 12.7685 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1129.35 | 1138.15 | 1264.78 | 0 | 1264.78 | 1520.71 | 1520.71 |
| 10 | 2.88407 | 4769.82 | 13.601 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1204.9 | 1214.29 | 1362.23 | 0 | 1362.23 | 1653.74 | 1653.74 |
| 11 | 2.88407 | 5136.88 | 14.4364 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1275.08 | 1285.01 | 1452.75 | 0 | 1452.75 | 1781 | 1781 |
| 12 | 2.88407 | 5487.1 | 15.2749 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1339.98 | 1350.42 | 1536.47 | 0 | 1536.47 | 1902.42 | 1902.42 |
| 13 | 2.88407 | 5820.28 | 16.1169 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1399.69 | 1410.59 | 1613.48 | 0 | 1613.48 | 2017.93 | 2017.93 |
| 14 | 2.88407 | 6136.2 | 16.9624 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1454.26 | 1465.59 | 1683.88 | 0 | 1683.88 | 2127.45 | 2127.45 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 2.88407 | 6434.64 | 17.8117 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1503.79 | 1515.5 | 1747.76 | 0 | 1747.76 | 2230.91 | 2230.91 |
| 16 | 2.88407 | 6715.35 | 18.6651 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1548.32 | 1560.38 | 1805.21 | 0 | 1805.21 | 2328.23 | 2328.23 |
| 17 | 2.88407 | 6978.07 | 19.5229 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1587.92 | 1600.29 | 1856.29 | 0 | 1856.29 | 2419.31 | 2419.31 |
| 18 | 2.88407 | 7222.51 | 20.3852 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1622.64 | 1635.28 | 1901.08 | 0 | 1901.08 | 2504.05 | 2504.05 |
| 19 | 2.88407 | 7448.38 | 21.2523 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1652.54 | 1665.41 | 1939.64 | 0 | 1939.64 | 2582.35 | 2582.35 |
| 20 | 2.88407 | 7655.35 | 22.1246 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1677.65 | 1690.72 | 1972.04 | 0 | 1972.04 | 2654.1 | 2654.1 |
| 21 | 2.88407 | 7843.08 | 23.0024 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1698.03 | 1711.26 | 1998.32 | 0 | 1998.32 | 2719.18 | 2719.18 |
| 22 | 2.88407 | 8011.18 | 23.8858 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1713.71 | 1727.06 | 2018.55 | 0 | 2018.55 | 2777.45 | 2777.45 |
| 23 | 2.88407 | 8159.27 | 24.7754 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1724.72 | 1738.16 | 2032.75 | 0 | 2032.75 | 2828.78 | 2828.78 |
| 24 | 2.88407 | 8286.92 | 25.6714 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1731.09 | 1744.58 | 2040.97 | 0 | 2040.97 | 2873.03 | 2873.03 |
| 25 | 2.88407 | 8393.67 | 26.5741 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1732.87 | 1746.37 | 2043.25 | 0 | 2043.25 | 2910.03 | 2910.03 |
| 26 | 2.88407 | 8479.03 | 27.4841 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1730.05 | 1743.53 | 2039.62 | 0 | 2039.62 | 2939.62 | 2939.62 |
| 27 | 2.88407 | 8542.48 | 28.4016 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1722.67 | 1736.09 | 2030.1 | 0 | 2030.1 | 2961.61 | 2961.61 |
| 28 | 2.88407 | 8583.44 | 29.3271 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1710.73 | 1724.06 | 2014.71 | 0 | 2014.71 | 2975.79 | 2975.79 |
| 29 | 2.88407 | 8601.31 | 30.2611 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1694.27 | 1707.47 | 1993.47 | 0 | 1993.47 | 2981.98 | 2981.98 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 2.88407 | 8595.43 | 31.2041 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1673.29 | 1686.32 | 1966.39 | 0 | 1966.39 | 2979.94 | 2979.94 |
| 31 | 2.88407 | 8565.1 | 32.1566 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1647.77 | 1660.61 | 1933.49 | 0 | 1933.49 | 2969.41 | 2969.41 |
| 32 | 2.88407 | 8509.55 | 33.1192 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1617.75 | 1630.35 | 1894.77 | 0 | 1894.77 | 2950.14 | 2950.14 |
| 33 | 2.88407 | 8427.94 | 34.0924 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1583.22 | 1595.55 | 1850.22 | 0 | 1850.22 | 2921.84 | 2921.84 |
| 34 | 2.88407 | 8319.39 | 35.077 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1544.17 | 1556.2 | 1799.86 | 0 | 1799.86 | 2884.19 | 2884.19 |
| 35 | 2.88407 | 8182.92 | 36.0736 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1500.61 | 1512.3 | 1743.67 | 0 | 1743.67 | 2836.87 | 2836.87 |
| 36 | 2.88407 | 8017.46 | 37.0829 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1452.52 | 1463.84 | 1681.64 | 0 | 1681.64 | 2779.5 | 2779.5 |
| 37 | 2.88407 | 7821.85 | 38.106 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1399.91 | 1410.82 | 1613.77 | 0 | 1613.77 | 2711.68 | 2711.68 |
| 38 | 2.88407 | 7594.82 | 39.1435 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1342.75 | 1353.21 | 1540.04 | 0 | 1540.04 | 2632.96 | 2632.96 |
| 39 | 2.88407 | 7334.97 | 40.1966 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1281.04 | 1291.02 | 1460.43 | 0 | 1460.43 | 2542.87 | 2542.87 |
| 40 | 2.88407 | 7040.77 | 41.2663 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1214.76 | 1224.22 | 1374.94 | 0 | 1374.94 | 2440.86 | 2440.86 |
| 41 | 2.88407 | 6710.52 | 42.3539 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1143.89 | 1152.8 | 1283.53 | 0 | 1283.53 | 2326.36 | 2326.36 |
| 42 | 2.88407 | 6342.32 | 43.4606 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1068.44 | 1076.76 | 1186.2 | 0 | 1186.2 | 2198.71 | 2198.71 |
| 43 | 2.88407 | 5934.08 | 44.5879 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 988.369 | 996.068 | 1082.92 | 0 | 1082.92 | 2057.17 | 2057.17 |
| 44 | 2.88407 | 5483.44 | 45.7376 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 903.683 | 910.723 | 973.682 | 0 | 973.682 | 1900.94 | 1900.94 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 | 2.88407 | 4987.74 | 46.9115 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 814.371 | 820.715 | 858.475 | 0 | 858.475 | 1729.08 | 1729.08 |
| 46 | 2.88407 | 4443.98 | 48.1117 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 720.432 | 726.044 | 737.302 | 0 | 737.302 | 1540.57 | 1540.57 |
| 47 | 2.88407 | 3848.73 | 49.3407 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 621.875 | 626.719 | 610.173 | 0 | 610.173 | 1334.21 | 1334.21 |
| 48 | 2.88407 | 3121.93 | 50.6011 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 508.192 | 512.151 | 463.532 | 0 | 463.532 | 1082.24 | 1082.24 |
| 49 | 2.88407 | 1951.08 | 51.8964 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 338.519 | 341.156 | 244.668 | 0 | 244.668 | 676.34 | 676.34 |
| 50 | 2.88407 | 661.717 | 53.2301 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 160.324 | 161.573 | 14.8129 | 0 | 14.8129 | 229.358 | 229.358 |

## Cross Section CC-CC' - Master Scenario

### Global Minimum Query (bishop simplified) - Safety Factor: 1.69983

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.06717 | 149.107 | 7.73558 | D-VD Silty SAND | 125 | 36 | 89.1505 | 151.541 | 36.5301 | 0 | 36.5301 | 48.6401 | 48.6401 |
| 2 | 3.06717 | 440.423 | 8.42177 | D-VD Silty SAND | 125 | 36 | 126.898 | 215.706 | 124.846 | 0 | 124.846 | 143.634 | 143.634 |
| 3 | 3.06717 | 723.939 | 9.10918 | D-VD Silty SAND | 125 | 36 | 163.256 | 277.508 | 209.909 | 0 | 209.909 | 236.085 | 236.085 |
| 4 | 3.06717 | 1074.83 | 9.79791 | D-VD Silty SAND | 125 | 36 | 207.998 | 353.562 | 314.589 | 0 | 314.589 | 350.509 | 350.509 |
| 5 | 3.06717 | 1437.31 | 10.4881 | D-VD Silty SAND | 125 | 36 | 253.793 | 431.405 | 421.732 | 0 | 421.732 | 468.715 | 468.715 |
| 6 | 3.06717 | 1794.74 | 11.1798 | D-VD Silty SAND | 125 | 36 | 298.48 | 507.366 | 526.282 | 0 | 526.282 | 585.274 | 585.274 |
| 7 | 3.06717 | 2162.54 | 11.8731 | D-VD Silty SAND | 125 | 36 | 344.045 | 584.818 | 632.884 | 0 | 632.884 | 705.218 | 705.218 |
| 8 | 3.06717 | 2517.44 | 12.5683 | D-VD Silty SAND | 125 | 36 | 387.506 | 658.694 | 734.566 | 0 | 734.566 | 820.958 | 820.958 |
| 9 | 3.06717 | 2857.95 | 13.2653 | D-VD Silty SAND | 125 | 36 | 428.698 | 728.714 | 830.941 | 0 | 830.941 | 932.006 | 932.006 |
| 10 | 3.06717 | 3183.93 | 13.9643 | D-VD Silty SAND | 125 | 36 | 467.635 | 794.9 | 922.038 | 0 | 922.038 | 1038.32 | 1038.32 |
| 11 | 3.06717 | 3495.27 | 14.6655 | D-VD Silty SAND | 125 | 36 | 504.326 | 857.269 | 1007.88 | 0 | 1007.88 | 1139.87 | 1139.87 |
| 12 | 3.06717 | 3791.83 | 15.3689 | D-VD Silty SAND | 125 | 36 | 538.782 | 915.838 | 1088.5 | 0 | 1088.5 | 1236.59 | 1236.59 |
| 13 | 3.06717 | 4073.45 | 16.0747 | D-VD Silty SAND | 125 | 36 | 571.012 | 970.623 | 1163.9 | 0 | 1163.9 | 1328.44 | 1328.44 |
| 14 | 3.06717 | 4339.98 | 16.783 | D-VD Silty SAND | 125 | 36 | 601.021 | 1021.63 | 1234.11 | 0 | 1234.11 | 1415.38 | 1415.38 |
| 15 | 3.06717 | 4591.26 | 17.4939 | D-VD Silty SAND | 125 | 36 | 628.818 | 1068.88 | 1299.15 | 0 | 1299.15 | 1497.34 | 1497.34 |
| 16 | 3.06717 | 4827.11 | 18.2076 | D-VD Silty SAND | 125 | 36 | 654.407 | 1112.38 | 1359.01 | 0 | 1359.01 | 1574.27 | 1574.27 |
| 17 | 3.06717 | 5047.33 | 18.9243 | D-VD Silty SAND | 125 | 36 | 677.791 | 1152.13 | 1413.72 | 0 | 1413.72 | 1646.11 | 1646.11 |
| 18 | 3.06717 | 5251.75 | 19.6441 | D-VD Silty SAND | 125 | 36 | 698.976 | 1188.14 | 1463.29 | 0 | 1463.29 | 1712.79 | 1712.79 |
| 19 | 3.06717 | 5440.13 | 20.3671 | D-VD Silty SAND | 125 | 36 | 717.96 | 1220.41 | 1507.71 | 0 | 1507.71 | 1774.25 | 1774.25 |
| 20 | 3.06717 | 5612.27 | 21.0935 | D-VD Silty SAND | 125 | 36 | 734.75 | 1248.95 | 1546.99 | 0 | 1546.99 | 1830.41 | 1830.41 |
| 21 | 3.06717 | 5767.93 | 21.8235 | D-VD Silty SAND | 125 | 36 | 749.34 | 1273.75 | 1581.12 | 0 | 1581.12 | 1881.19 | 1881.19 |
| 22 | 3.06717 | 5906.85 | 22.5572 | D-VD Silty SAND | 125 | 36 | 761.729 | 1294.81 | 1610.11 | 0 | 1610.11 | 1926.52 | 1926.52 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | 3.06717 | 6028.77 | 23.2949 | D-VD Silty SAND | 125 | 36 | 771.918 | 1312.13 | 1633.95 | 0 | 1633.95 | 1966.3 | 1966.3 |
| 24 | 3.06717 | 6133.41 | 24.0366 | D-VD Silty SAND | 125 | 36 | 779.902 | 1325.7 | 1652.62 | 0 | 1652.62 | 2000.45 | 2000.45 |
| 25 | 3.06717 | 6220.48 | 24.7827 | D-VD Silty SAND | 125 | 36 | 785.673 | 1335.51 | 1666.13 | 0 | 1666.13 | 2028.87 | 2028.87 |
| 26 | 3.06717 | 6289.66 | 25.5333 | D-VD Silty SAND | 125 | 36 | 789.232 | 1341.56 | 1674.45 | 0 | 1674.45 | 2051.46 | 2051.46 |
| 27 | 3.06717 | 6340.61 | 26.2886 | D-VD Silty SAND | 125 | 36 | 790.567 | 1343.83 | 1677.58 | 0 | 1677.58 | 2068.1 | 2068.1 |
| 28 | 3.06717 | 6372.99 | 27.0489 | D-VD Silty SAND | 125 | 36 | 789.673 | 1342.31 | 1675.48 | 0 | 1675.48 | 2078.69 | 2078.69 |
| 29 | 3.06717 | 6386.42 | 27.8144 | D-VD Silty SAND | 125 | 36 | 786.537 | 1336.98 | 1668.15 | 0 | 1668.15 | 2083.09 | 2083.09 |
| 30 | 3.06717 | 6380.49 | 28.5852 | D-VD Silty SAND | 125 | 36 | 781.149 | 1327.82 | 1655.55 | 0 | 1655.55 | 2081.18 | 2081.18 |
| 31 | 3.06717 | 6354.79 | 29.3618 | D-VD Silty SAND | 125 | 36 | 773.507 | 1314.83 | 1637.65 | 0 | 1637.65 | 2072.82 | 2072.82 |
| 32 | 3.06717 | 6308.87 | 30.1444 | D-VD Silty SAND | 125 | 36 | 763.582 | 1297.96 | 1614.44 | 0 | 1614.44 | 2057.87 | 2057.87 |
| 33 | 3.06717 | 6242.24 | 30.9332 | D-VD Silty SAND | 125 | 36 | 751.375 | 1277.21 | 1585.88 | 0 | 1585.88 | 2036.16 | 2036.16 |
| 34 | 3.06717 | 6154.39 | 31.7286 | D-VD Silty SAND | 125 | 36 | 736.862 | 1252.54 | 1551.93 | 0 | 1551.93 | 2007.53 | 2007.53 |
| 35 | 3.06717 | 6044.79 | 32.5308 | D-VD Silty SAND | 125 | 36 | 720.031 | 1223.93 | 1512.55 | 0 | 1512.55 | 1971.8 | 1971.8 |
| 36 | 3.06717 | 5912.84 | 33.3403 | D-VD Silty SAND | 125 | 36 | 700.864 | 1191.35 | 1467.7 | 0 | 1467.7 | 1928.79 | 1928.79 |
| 37 | 3.06717 | 5757.92 | 34.1574 | D-VD Silty SAND | 125 | 36 | 679.339 | 1154.76 | 1417.34 | 0 | 1417.34 | 1878.28 | 1878.28 |
| 38 | 3.06717 | 5579.37 | 34.9825 | D-VD Silty SAND | 125 | 36 | 655.436 | 1114.13 | 1361.42 | 0 | 1361.42 | 1820.06 | 1820.06 |
| 39 | 3.06717 | 5376.48 | 35.816 | D-VD Silty SAND | 125 | 36 | 629.136 | 1069.42 | 1299.89 | 0 | 1299.89 | 1753.9 | 1753.9 |
| 40 | 3.06717 | 5148.47 | 36.6583 | D-VD Silty SAND | 125 | 36 | 600.415 | 1020.6 | 1232.69 | 0 | 1232.69 | 1679.55 | 1679.55 |
| 41 | 3.06717 | 4894.52 | 37.51 | D-VD Silty SAND | 125 | 36 | 569.248 | 967.625 | 1159.77 | 0 | 1159.77 | 1596.73 | 1596.73 |
| 42 | 3.06717 | 4613.74 | 38.3715 | D-VD Silty SAND | 125 | 36 | 535.61 | 910.446 | 1081.07 | 0 | 1081.07 | 1505.16 | 1505.16 |
| 43 | 3.06717 | 4299.77 | 39.2434 | D-VD Silty SAND | 125 | 36 | 498.915 | 848.071 | 995.222 | 0 | 995.222 | 1402.76 | 1402.76 |
| 44 | 3.06717 | 3948.41 | 40.1262 | D-VD Silty SAND | 125 | 36 | 458.827 | 779.928 | 901.43 | 0 | 901.43 | 1288.16 | 1288.16 |
| 45 | 3.06717 | 3566.99 | 41.0207 | D-VD Silty SAND | 125 | 36 | 416.196 | 707.462 | 801.69 | 0 | 801.69 | 1163.75 | 1163.75 |
| 46 | 3.06717 | 3154.38 | 41.9275 | D-VD Silty SAND | 125 | 36 | 371.002 | 630.641 | 695.956 | 0 | 695.956 | 1029.16 | 1029.16 |
| 47 | 3.06717 | 2714.75 | 42.8474 | D-VD Silty SAND | 125 | 36 | 323.767 | 550.349 | 585.443 | 0 | 585.443 | 885.753 | 885.753 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 3.06717 | 2050.49 | 43.7812 | D-VD Silty SAND | 125 | 36 | 255.04 | 433.525 | 424.648 | 0 | 424.648 | 669.062 | 669.062 |
| 49 | 3.06717 | 957.883 | 44.7298 | D-VD Silty SAND | 125 | 36 | 145.535 | 247.384 | 168.448 | 0 | 168.448 | 312.616 | 312.616 |
| 50 | 0.987389 | 64.1803 | 45.3636 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 80.6563 | 137.102 | -16.5086 | 0 | -16.5086 | 65.1778 | 65.1778 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.63519

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.06281 | 207.195 | 1.8261 | D-VD Silty SAND | 125 | 36 | 105.016 | 171.72 | 64.3049 | 0 | 64.3049 | 67.6531 | 67.6531 |
| 2 | 3.06281 | 612.831 | 2.71568 | D-VD Silty SAND | 125 | 36 | 161.938 | 264.799 | 192.417 | 0 | 192.417 | 200.099 | 200.099 |
| 3 | 3.06281 | 1000.94 | 3.6059 | D-VD Silty SAND | 125 | 36 | 215.62 | 352.58 | 313.236 | 0 | 313.236 | 326.824 | 326.824 |
| 4 | 3.06281 | 1410.54 | 4.497 | D-VD Silty SAND | 125 | 36 | 271.591 | 444.103 | 439.21 | 0 | 439.21 | 460.57 | 460.57 |
| 5 | 3.06281 | 1874.46 | 5.38919 | D-VD Silty SAND | 125 | 36 | 334.372 | 546.762 | 580.505 | 0 | 580.505 | 612.048 | 612.048 |
| 6 | 3.06281 | 2323.09 | 6.2827 | D-VD Silty SAND | 125 | 36 | 394.195 | 644.584 | 715.145 | 0 | 715.145 | 758.544 | 758.544 |
| 7 | 3.06281 | 2777.38 | 7.17774 | D-VD Silty SAND | 125 | 36 | 453.986 | 742.354 | 849.714 | 0 | 849.714 | 906.887 | 906.887 |
| 8 | 3.06281 | 3224.36 | 8.07454 | D-VD Silty SAND | 125 | 36 | 511.97 | 837.169 | 980.217 | 0 | 980.217 | 1052.85 | 1052.85 |
| 9 | 3.06281 | 3653.35 | 8.97335 | D-VD Silty SAND | 125 | 36 | 566.723 | 926.7 | 1103.45 | 0 | 1103.45 | 1192.93 | 1192.93 |
| 10 | 3.06281 | 4064.21 | 9.87438 | D-VD Silty SAND | 125 | 36 | 618.281 | 1011.01 | 1219.48 | 0 | 1219.48 | 1327.11 | 1327.11 |
| 11 | 3.06281 | 4456.81 | 10.7779 | D-VD Silty SAND | 125 | 36 | 666.677 | 1090.14 | 1328.41 | 0 | 1328.41 | 1455.32 | 1455.32 |
| 12 | 3.06281 | 4830.99 | 11.6841 | D-VD Silty SAND | 125 | 36 | 711.942 | 1164.16 | 1430.28 | 0 | 1430.28 | 1577.51 | 1577.51 |
| 13 | 3.06281 | 5186.56 | 12.5933 | D-VD Silty SAND | 125 | 36 | 754.102 | 1233.1 | 1525.17 | 0 | 1525.17 | 1693.64 | 1693.64 |
| 14 | 3.06281 | 5523.35 | 13.5058 | D-VD Silty SAND | 125 | 36 | 793.18 | 1297 | 1613.12 | 0 | 1613.12 | 1803.63 | 1803.63 |
| 15 | 3.06281 | 5841.13 | 14.4217 | D-VD Silty SAND | 125 | 36 | 829.194 | 1355.89 | 1694.18 | 0 | 1694.18 | 1907.41 | 1907.41 |
| 16 | 3.06281 | 6139.69 | 15.3414 | D-VD Silty SAND | 125 | 36 | 862.169 | 1409.81 | 1768.39 | 0 | 1768.39 | 2004.92 | 2004.92 |
| 17 | 3.06281 | 6418.77 | 16.2652 | D-VD Silty SAND | 125 | 36 | 892.117 | 1458.78 | 1835.79 | 0 | 1835.79 | 2096.08 | 2096.08 |
| 18 | 3.06281 | 6678.11 | 17.1934 | D-VD Silty SAND | 125 | 36 | 919.049 | 1502.82 | 1896.41 | 0 | 1896.41 | 2180.78 | 2180.78 |
| 19 | 3.06281 | 6917.41 | 18.1262 | D-VD Silty SAND | 125 | 36 | 942.979 | 1541.95 | 1950.26 | 0 | 1950.26 | 2258.95 | 2258.95 |
| 20 | 3.06281 | 7136.37 | 19.0641 | D-VD Silty SAND | 125 | 36 | 963.906 | 1576.17 | 1997.37 | 0 | 1997.37 | 2330.47 | 2330.47 |
| 21 | 3.06281 | 7334.63 | 20.0073 | D-VD Silty SAND | 125 | 36 | 981.843 | 1605.5 | 2037.74 | 0 | 2037.74 | 2395.24 | 2395.24 |
| 22 | 3.06281 | 7511.84 | 20.9561 | D-VD Silty SAND | 125 | 36 | 996.789 | 1629.94 | 2071.38 | 0 | 2071.38 | 2453.13 | 2453.13 |
| 23 | 3.06281 | 7667.6 | 21.9111 | D-VD Silty SAND | 125 | 36 | 1008.75 | 1649.49 | 2098.28 | 0 | 2098.28 | 2504.02 | 2504.02 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 3.06281 | 7801.49 | 22.8724 | D-VD Silty SAND | 125 | 36 | 1017.7 | 1664.14 | 2118.45 | 0 | 2118.45 | 2547.77 | 2547.77 |
| 25 | 3.06281 | 7913.05 | 23.8407 | D-VD Silty SAND | 125 | 36 | 1023.67 | 1673.89 | 2131.87 | 0 | 2131.87 | 2584.23 | 2584.23 |
| 26 | 3.06281 | 8001.77 | 24.8162 | D-VD Silty SAND | 125 | 36 | 1026.62 | 1678.72 | 2138.51 | 0 | 2138.51 | 2613.23 | 2613.23 |
| 27 | 3.06281 | 8067.14 | 25.7995 | D-VD Silty SAND | 125 | 36 | 1026.55 | 1678.61 | 2138.36 | 0 | 2138.36 | 2634.6 | 2634.6 |
| 28 | 3.06281 | 8108.56 | 26.791 | D-VD Silty SAND | 125 | 36 | 1023.45 | 1673.53 | 2131.37 | 0 | 2131.37 | 2648.15 | 2648.15 |
| 29 | 3.06281 | 8125.43 | 27.7912 | D-VD Silty SAND | 125 | 36 | 1017.29 | 1663.47 | 2117.53 | 0 | 2117.53 | 2653.69 | 2653.69 |
| 30 | 3.06281 | 8117.06 | 28.8007 | D-VD Silty SAND | 125 | 36 | 1008.07 | 1648.39 | 2096.77 | 0 | 2096.77 | 2650.98 | 2650.98 |
| 31 | 3.06281 | 8082.73 | 29.8201 | D-VD Silty SAND | 125 | 36 | 995.756 | 1628.25 | 2069.05 | 0 | 2069.05 | 2639.79 | 2639.79 |
| 32 | 3.06281 | 8021.65 | 30.85 | D-VD Silty SAND | 125 | 36 | 980.326 | 1603.02 | 2034.32 | 0 | 2034.32 | 2619.87 | 2619.87 |
| 33 | 3.06281 | 7932.95 | 31.8912 | D-VD Silty SAND | 125 | 36 | 961.748 | 1572.64 | 1992.5 | 0 | 1992.5 | 2590.93 | 2590.93 |
| 34 | 3.06281 | 7815.7 | 32.9442 | D-VD Silty SAND | 125 | 36 | 939.989 | 1537.06 | 1943.53 | 0 | 1943.53 | 2552.66 | 2552.66 |
| 35 | 3.06281 | 7668.89 | 34.0099 | D-VD Silty SAND | 125 | 36 | 915.013 | 1496.22 | 1887.33 | 0 | 1887.33 | 2504.74 | 2504.74 |
| 36 | 3.06281 | 7491.4 | 35.0892 | D-VD Silty SAND | 125 | 36 | 886.79 | 1450.07 | 1823.8 | 0 | 1823.8 | 2446.8 | 2446.8 |
| 37 | 3.06281 | 7282.01 | 36.1829 | D-VD Silty SAND | 125 | 36 | 855.271 | 1398.53 | 1752.86 | 0 | 1752.86 | 2378.44 | 2378.44 |
| 38 | 3.06281 | 7039.39 | 37.2922 | D-VD Silty SAND | 125 | 36 | 820.412 | 1341.53 | 1674.41 | 0 | 1674.41 | 2299.22 | 2299.22 |
| 39 | 3.06281 | 6762.05 | 38.418 | D-VD Silty SAND | 125 | 36 | 782.166 | 1278.99 | 1588.33 | 0 | 1588.33 | 2208.67 | 2208.67 |
| 40 | 3.06281 | 6448.38 | 39.5617 | D-VD Silty SAND | 125 | 36 | 740.477 | 1210.82 | 1494.5 | 0 | 1494.5 | 2106.24 | 2106.24 |
| 41 | 3.06281 | 6096.55 | 40.7246 | D-VD Silty SAND | 125 | 36 | 695.283 | 1136.92 | 1392.79 | 0 | 1392.79 | 1991.35 | 1991.35 |
| 42 | 3.06281 | 5704.55 | 41.9082 | D-VD Silty SAND | 125 | 36 | 646.533 | 1057.2 | 1283.07 | 0 | 1283.07 | 1863.34 | 1863.34 |
| 43 | 3.06281 | 5269.39 | 43.1142 | D-VD Silty SAND | 125 | 36 | 594.081 | 971.435 | 1165.02 | 0 | 1165.02 | 1721.22 | 1721.22 |
| 44 | 3.06281 | 4779.18 | 44.3445 | D-VD Silty SAND | 125 | 36 | 536.916 | 877.959 | 1036.36 | 0 | 1036.36 | 1561.13 | 1561.13 |
| 45 | 3.06281 | 4237.98 | 45.6011 | D-VD Silty SAND | 125 | 36 | 475.699 | 777.859 | 898.585 | 0 | 898.585 | 1384.37 | 1384.37 |
| 46 | 3.06281 | 3645.7 | 46.8866 | D-VD Silty SAND | 125 | 36 | 410.687 | 671.551 | 752.263 | 0 | 752.263 | 1190.93 | 1190.93 |
| 47 | 3.06281 | 2998.61 | 48.2037 | D-VD Silty SAND | 125 | 36 | 341.806 | 558.917 | 597.235 | 0 | 597.235 | 979.574 | 979.574 |
| 48 | 3.06281 | 2286.45 | 49.5557 | D-VD Silty SAND | 125 | 36 | 268.418 | 438.915 | 432.067 | 0 | 432.067 | 746.964 | 746.964 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | 3.06281 | 1091.89 | 50.9461 | D-VD Silty SAND | 125 | 36 | 151.818 | 248.252 | 169.642 | 0 | 169.642 | 356.762 | 356.762 |
| 50 | 0.785903 | 51.0837 | 51.8361 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 76.404 | 124.935 | -32.0816 | 0 | -32.0816 | 65.1365 | 65.1365 |

## Cross Section CC-CC' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 1.06814

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.14801 | 162.278 | 7.24235 | D-VD Silty SAND | 125 | 36 | 139.991 | 149.53 | 33.7629 | 0 | 33.7629 | 51.5531 | 51.5531 |
| 2 | 3.14801 | 479.528 | 7.93404 | D-VD Silty SAND | 125 | 36 | 201.537 | 215.269 | 124.245 | 0 | 124.245 | 152.333 | 152.333 |
| 3 | 3.14801 | 782.129 | 8.62689 | D-VD Silty SAND | 125 | 36 | 259.271 | 276.938 | 209.124 | 0 | 209.124 | 248.46 | 248.46 |
| 4 | 3.14801 | 1112.69 | 9.32101 | D-VD Silty SAND | 125 | 36 | 321.553 | 343.464 | 300.69 | 0 | 300.69 | 353.467 | 353.467 |
| 5 | 3.14801 | 1503.28 | 10.0165 | D-VD Silty SAND | 125 | 36 | 394.461 | 421.34 | 407.878 | 0 | 407.878 | 477.55 | 477.55 |
| 6 | 3.14801 | 1882.09 | 10.7135 | D-VD Silty SAND | 125 | 36 | 463.992 | 495.608 | 510.097 | 0 | 510.097 | 597.883 | 597.883 |
| 7 | 3.14801 | 2272.13 | 11.4121 | D-VD Silty SAND | 125 | 36 | 534.583 | 571.01 | 613.88 | 0 | 613.88 | 721.789 | 721.789 |
| 8 | 3.14801 | 2655.93 | 12.1125 | D-VD Silty SAND | 125 | 36 | 602.905 | 643.987 | 714.323 | 0 | 714.323 | 843.712 | 843.712 |
| 9 | 3.14801 | 3024.51 | 12.8146 | D-VD Silty SAND | 125 | 36 | 667.31 | 712.781 | 809.011 | 0 | 809.011 | 960.799 | 960.799 |
| 10 | 3.14801 | 3377.74 | 13.5188 | D-VD Silty SAND | 125 | 36 | 727.851 | 777.447 | 898.018 | 0 | 898.018 | 1073.01 | 1073.01 |
| 11 | 3.14801 | 3715.48 | 14.225 | D-VD Silty SAND | 125 | 36 | 784.575 | 838.036 | 981.411 | 0 | 981.411 | 1180.3 | 1180.3 |
| 12 | 3.14801 | 4037.6 | 14.9335 | D-VD Silty SAND | 125 | 36 | 837.528 | 894.597 | 1059.26 | 0 | 1059.26 | 1282.63 | 1282.63 |
| 13 | 3.14801 | 4343.94 | 15.6442 | D-VD Silty SAND | 125 | 36 | 886.751 | 947.174 | 1131.63 | 0 | 1131.63 | 1379.95 | 1379.95 |
| 14 | 3.14801 | 4634.34 | 16.3575 | D-VD Silty SAND | 125 | 36 | 932.285 | 995.811 | 1198.57 | 0 | 1198.57 | 1472.21 | 1472.21 |
| 15 | 3.14801 | 4908.63 | 17.0734 | D-VD Silty SAND | 125 | 36 | 974.167 | 1040.55 | 1260.14 | 0 | 1260.14 | 1559.34 | 1559.34 |
| 16 | 3.14801 | 5166.63 | 17.792 | D-VD Silty SAND | 125 | 36 | 1012.43 | 1081.42 | 1316.4 | 0 | 1316.4 | 1641.3 | 1641.3 |
| 17 | 3.14801 | 5408.14 | 18.5136 | D-VD Silty SAND | 125 | 36 | 1047.12 | 1118.47 | 1367.39 | 0 | 1367.39 | 1718.03 | 1718.03 |
| 18 | 3.14801 | 5632.96 | 19.2382 | D-VD Silty SAND | 125 | 36 | 1078.25 | 1151.72 | 1413.16 | 0 | 1413.16 | 1789.45 | 1789.45 |
| 19 | 3.14801 | 5840.87 | 19.966 | D-VD Silty SAND | 125 | 36 | 1105.86 | 1181.21 | 1453.74 | 0 | 1453.74 | 1855.5 | 1855.5 |
| 20 | 3.14801 | 6031.64 | 20.6972 | D-VD Silty SAND | 125 | 36 | 1129.96 | 1206.96 | 1489.19 | 0 | 1489.19 | 1916.1 | 1916.1 |
| 21 | 3.14801 | 6205.03 | 21.4319 | D-VD Silty SAND | 125 | 36 | 1150.6 | 1229 | 1519.53 | 0 | 1519.53 | 1971.18 | 1971.18 |
| 22 | 3.14801 | 6360.76 | 22.1703 | D-VD Silty SAND | 125 | 36 | 1167.79 | 1247.36 | 1544.8 | 0 | 1544.8 | 2020.66 | 2020.66 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | 3.14801 | 6498.58 | 22.9127 | D-VD Silty SAND | 125 | 36 | 1181.55 | 1262.06 | 1565.03 | 0 | 1565.03 | 2064.45 | 2064.45 |
| 24 | 3.14801 | 6618.18 | 23.6591 | D-VD Silty SAND | 125 | 36 | 1191.9 | 1273.12 | 1580.25 | 0 | 1580.25 | 2102.45 | 2102.45 |
| 25 | 3.14801 | 6719.27 | 24.4099 | D-VD Silty SAND | 125 | 36 | 1198.86 | 1280.55 | 1590.48 | 0 | 1590.48 | 2134.56 | 2134.56 |
| 26 | 3.14801 | 6801.5 | 25.1651 | D-VD Silty SAND | 125 | 36 | 1202.45 | 1284.38 | 1595.75 | 0 | 1595.75 | 2160.68 | 2160.68 |
| 27 | 3.14801 | 6864.53 | 25.925 | D-VD Silty SAND | 125 | 36 | 1202.67 | 1284.62 | 1596.08 | 0 | 1596.08 | 2180.71 | 2180.71 |
| 28 | 3.14801 | 6908 | 26.6899 | D-VD Silty SAND | 125 | 36 | 1199.54 | 1281.28 | 1591.48 | 0 | 1591.48 | 2194.52 | 2194.52 |
| 29 | 3.14801 | 6931.52 | 27.4599 | D-VD Silty SAND | 125 | 36 | 1193.08 | 1274.38 | 1581.98 | 0 | 1581.98 | 2202 | 2202 |
| 30 | 3.14801 | 6934.66 | 28.2353 | D-VD Silty SAND | 125 | 36 | 1183.29 | 1263.92 | 1567.58 | 0 | 1567.58 | 2203 | 2203 |
| 31 | 3.14801 | 6916.98 | 29.0164 | D-VD Silty SAND | 125 | 36 | 1170.17 | 1249.91 | 1548.31 | 0 | 1548.31 | 2197.38 | 2197.38 |
| 32 | 3.14801 | 6878.02 | 29.8035 | D-VD Silty SAND | 125 | 36 | 1153.75 | 1232.37 | 1524.16 | 0 | 1524.16 | 2185.01 | 2185.01 |
| 33 | 3.14801 | 6817.27 | 30.5968 | D-VD Silty SAND | 125 | 36 | 1134.02 | 1211.29 | 1495.15 | 0 | 1495.15 | 2165.72 | 2165.72 |
| 34 | 3.14801 | 6734.21 | 31.3967 | D-VD Silty SAND | 125 | 36 | 1110.98 | 1186.68 | 1461.28 | 0 | 1461.28 | 2139.33 | 2139.33 |
| 35 | 3.14801 | 6628.25 | 32.2034 | D-VD Silty SAND | 125 | 36 | 1084.63 | 1158.54 | 1422.55 | 0 | 1422.55 | 2105.67 | 2105.67 |
| 36 | 3.14801 | 6498.8 | 33.0174 | D-VD Silty SAND | 125 | 36 | 1055 | 1126.89 | 1378.98 | 0 | 1378.98 | 2064.56 | 2064.56 |
| 37 | 3.14801 | 6345.21 | 33.839 | D-VD Silty SAND | 125 | 36 | 1022.06 | 1091.7 | 1330.55 | 0 | 1330.55 | 2015.76 | 2015.76 |
| 38 | 3.14801 | 6166.77 | 34.6685 | D-VD Silty SAND | 125 | 36 | 985.817 | 1052.99 | 1277.27 | 0 | 1277.27 | 1959.08 | 1959.08 |
| 39 | 3.14801 | 5962.74 | 35.5064 | D-VD Silty SAND | 125 | 36 | 946.275 | 1010.75 | 1219.14 | 0 | 1219.14 | 1894.27 | 1894.27 |
| 40 | 3.14801 | 5732.32 | 36.3532 | D-VD Silty SAND | 125 | 36 | 903.428 | 964.988 | 1156.14 | 0 | 1156.14 | 1821.07 | 1821.07 |
| 41 | 3.14801 | 5474.65 | 37.2093 | D-VD Silty SAND | 125 | 36 | 857.274 | 915.689 | 1088.29 | 0 | 1088.29 | 1739.21 | 1739.21 |
| 42 | 3.14801 | 5187.55 | 38.0752 | D-VD Silty SAND | 125 | 36 | 807.634 | 862.666 | 1015.31 | 0 | 1015.31 | 1648.01 | 1648.01 |
| 43 | 3.14801 | 4860.28 | 38.9515 | D-VD Silty SAND | 125 | 36 | 753.15 | 804.47 | 935.209 | 0 | 935.209 | 1544.04 | 1544.04 |
| 44 | 3.14801 | 4500.15 | 39.8387 | D-VD Silty SAND | 125 | 36 | 695.032 | 742.391 | 849.767 | 0 | 849.767 | 1429.64 | 1429.64 |
| 45 | 3.14801 | 4108.57 | 40.7376 | D-VD Silty SAND | 125 | 36 | 633.638 | 676.814 | 759.506 | 0 | 759.506 | 1305.24 | 1305.24 |
| 46 | 3.14801 | 3684.65 | 41.6488 | D-VD Silty SAND | 125 | 36 | 569.018 | 607.791 | 664.505 | 0 | 664.505 | 1170.57 | 1170.57 |
| 47 | 3.14801 | 3171.16 | 42.5731 | D-VD Silty SAND | 125 | 36 | 493.75 | 527.394 | 553.848 | 0 | 553.848 | 1007.45 | 1007.45 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 3.14801 | 2140.88 | 43.5113 | D-VD Silty SAND | 125 | 36 | 352.217 | 376.217 | 345.77 | 0 | 345.77 | 680.143 | 680.143 |
| 49 | 3.14801 | 992.825 | 44.4643 | D-VD Silty SAND | 125 | 36 | 198.834 | 212.382 | 120.272 | 0 | 120.272 | 315.422 | 315.422 |
| 50 | 0.996572 | 64.7772 | 45.0984 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 108.417 | 115.805 | -43.7678 | 0 | -43.7678 | 65.0224 | 65.0224 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.02219

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.09449 | 214.786 | 1.49902 | D-VD Silty SAND | 125 | 36 | 168.484 | 172.222 | 64.9961 | 0 | 64.9961 | 69.4052 | 69.4052 |
| 2 | 3.09449 | 635.379 | 2.39336 | D-VD Silty SAND | 125 | 36 | 260.481 | 266.261 | 194.429 | 0 | 194.429 | 205.316 | 205.316 |
| 3 | 3.09449 | 1038 | 3.28827 | D-VD Silty SAND | 125 | 36 | 346.539 | 354.229 | 315.506 | 0 | 315.506 | 335.416 | 335.416 |
| 4 | 3.09449 | 1465.63 | 4.184 | D-VD Silty SAND | 125 | 36 | 436.224 | 445.904 | 441.687 | 0 | 441.687 | 473.599 | 473.599 |
| 5 | 3.09449 | 1946.03 | 5.08074 | D-VD Silty SAND | 125 | 36 | 535.404 | 547.285 | 581.224 | 0 | 581.224 | 628.827 | 628.827 |
| 6 | 3.09449 | 2410.73 | 5.97874 | D-VD Silty SAND | 125 | 36 | 629.132 | 643.092 | 713.093 | 0 | 713.093 | 778.981 | 778.981 |
| 7 | 3.09449 | 2882.17 | 6.87822 | D-VD Silty SAND | 125 | 36 | 722.306 | 738.334 | 844.181 | 0 | 844.181 | 931.311 | 931.311 |
| 8 | 3.09449 | 3344.52 | 7.7794 | D-VD Silty SAND | 125 | 36 | 811.606 | 829.616 | 969.82 | 0 | 969.82 | 1080.7 | 1080.7 |
| 9 | 3.09449 | 3788.43 | 8.68252 | D-VD Silty SAND | 125 | 36 | 895.197 | 915.061 | 1087.42 | 0 | 1087.42 | 1224.13 | 1224.13 |
| 10 | 3.09449 | 4213.78 | 9.58782 | D-VD Silty SAND | 125 | 36 | 973.199 | 994.794 | 1197.17 | 0 | 1197.17 | 1361.56 | 1361.56 |
| 11 | 3.09449 | 4620.43 | 10.4955 | D-VD Silty SAND | 125 | 36 | 1045.73 | 1068.94 | 1299.22 | 0 | 1299.22 | 1492.95 | 1492.95 |
| 12 | 3.09449 | 5008.23 | 11.4059 | D-VD Silty SAND | 125 | 36 | 1112.89 | 1137.59 | 1393.72 | 0 | 1393.72 | 1618.24 | 1618.24 |
| 13 | 3.09449 | 5376.98 | 12.3193 | D-VD Silty SAND | 125 | 36 | 1174.8 | 1200.87 | 1480.81 | 0 | 1480.81 | 1737.37 | 1737.37 |
| 14 | 3.09449 | 5726.51 | 13.2358 | D-VD Silty SAND | 125 | 36 | 1231.54 | 1258.87 | 1560.63 | 0 | 1560.63 | 1850.3 | 1850.3 |
| 15 | 3.09449 | 6056.61 | 14.1558 | D-VD Silty SAND | 125 | 36 | 1283.19 | 1311.66 | 1633.3 | 0 | 1633.3 | 1956.94 | 1956.94 |
| 16 | 3.09449 | 6367.03 | 15.0795 | D-VD Silty SAND | 125 | 36 | 1329.83 | 1359.34 | 1698.92 | 0 | 1698.92 | 2057.23 | 2057.23 |
| 17 | 3.09449 | 6657.54 | 16.0073 | D-VD Silty SAND | 125 | 36 | 1371.54 | 1401.97 | 1757.61 | 0 | 1757.61 | 2151.08 | 2151.08 |
| 18 | 3.09449 | 6927.87 | 16.9393 | D-VD Silty SAND | 125 | 36 | 1408.39 | 1439.64 | 1809.44 | 0 | 1809.44 | 2238.4 | 2238.4 |
| 19 | 3.09449 | 7177.71 | 17.8761 | D-VD Silty SAND | 125 | 36 | 1440.43 | 1472.39 | 1854.53 | 0 | 1854.53 | 2319.11 | 2319.11 |
| 20 | 3.09449 | 7406.75 | 18.8178 | D-VD Silty SAND | 125 | 36 | 1467.72 | 1500.29 | 1892.93 | 0 | 1892.93 | 2393.09 | 2393.09 |
| 21 | 3.09449 | 7614.65 | 19.7648 | D-VD Silty SAND | 125 | 36 | 1490.33 | 1523.4 | 1924.73 | 0 | 1924.73 | 2460.25 | 2460.25 |
| 22 | 3.09449 | 7801.04 | 20.7174 | D-VD Silty SAND | 125 | 36 | 1508.28 | 1541.75 | 1949.99 | 0 | 1949.99 | 2520.45 | 2520.45 |
| 23 | 3.09449 | 7965.51 | 21.6761 | D-VD Silty SAND | 125 | 36 | 1521.63 | 1555.4 | 1968.77 | 0 | 1968.77 | 2573.57 | 2573.57 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 3.09449 | 8107.64 | 22.6412 | D-VD Silty SAND | 125 | 36 | 1530.41 | 1564.37 | 1981.13 | 0 | 1981.13 | 2619.47 | 2619.47 |
| 25 | 3.09449 | 8226.96 | 23.6132 | D-VD Silty SAND | 125 | 36 | 1534.66 | 1568.71 | 1987.1 | 0 | 1987.1 | 2658 | 2658 |
| 26 | 3.09449 | 8322.98 | 24.5924 | D-VD Silty SAND | 125 | 36 | 1534.4 | 1568.45 | 1986.74 | 0 | 1986.74 | 2689 | 2689 |
| 27 | 3.09449 | 8395.14 | 25.5793 | D-VD Silty SAND | 125 | 36 | 1529.67 | 1563.61 | 1980.08 | 0 | 1980.08 | 2712.29 | 2712.29 |
| 28 | 3.09449 | 8442.86 | 26.5745 | D-VD Silty SAND | 125 | 36 | 1520.47 | 1554.21 | 1967.14 | 0 | 1967.14 | 2727.69 | 2727.69 |
| 29 | 3.09449 | 8465.52 | 27.5783 | D-VD Silty SAND | 125 | 36 | 1506.84 | 1540.28 | 1947.96 | 0 | 1947.96 | 2734.99 | 2734.99 |
| 30 | 3.09449 | 8462.43 | 28.5915 | D-VD Silty SAND | 125 | 36 | 1488.77 | 1521.81 | 1922.55 | 0 | 1922.55 | 2733.97 | 2733.97 |
| 31 | 3.09449 | 8432.84 | 29.6145 | D-VD Silty SAND | 125 | 36 | 1466.3 | 1498.84 | 1890.92 | 0 | 1890.92 | 2724.39 | 2724.39 |
| 32 | 3.09449 | 8375.96 | 30.648 | D-VD Silty SAND | 125 | 36 | 1439.41 | 1471.35 | 1853.1 | 0 | 1853.1 | 2705.99 | 2705.99 |
| 33 | 3.09449 | 8290.92 | 31.6927 | D-VD Silty SAND | 125 | 36 | 1408.12 | 1439.37 | 1809.07 | 0 | 1809.07 | 2678.5 | 2678.5 |
| 34 | 3.09449 | 8176.76 | 32.7493 | D-VD Silty SAND | 125 | 36 | 1372.43 | 1402.88 | 1758.85 | 0 | 1758.85 | 2641.59 | 2641.59 |
| 35 | 3.09449 | 8032.45 | 33.8185 | D-VD Silty SAND | 125 | 36 | 1332.32 | 1361.88 | 1702.42 | 0 | 1702.42 | 2594.95 | 2594.95 |
| 36 | 3.09449 | 7856.86 | 34.9013 | D-VD Silty SAND | 125 | 36 | 1287.79 | 1316.37 | 1639.78 | 0 | 1639.78 | 2538.2 | 2538.2 |
| 37 | 3.09449 | 7648.76 | 35.9986 | D-VD Silty SAND | 125 | 36 | 1238.85 | 1266.34 | 1570.92 | 0 | 1570.92 | 2470.95 | 2470.95 |
| 38 | 3.09449 | 7406.77 | 37.1114 | D-VD Silty SAND | 125 | 36 | 1185.47 | 1211.78 | 1495.82 | 0 | 1495.82 | 2392.76 | 2392.76 |
| 39 | 3.09449 | 7129.42 | 38.2408 | D-VD Silty SAND | 125 | 36 | 1127.65 | 1152.67 | 1414.46 | 0 | 1414.46 | 2303.14 | 2303.14 |
| 40 | 3.09449 | 6815.03 | 39.388 | D-VD Silty SAND | 125 | 36 | 1065.36 | 1089 | 1326.83 | 0 | 1326.83 | 2201.55 | 2201.55 |
| 41 | 3.09449 | 6461.77 | 40.5545 | D-VD Silty SAND | 125 | 36 | 998.589 | 1020.75 | 1232.89 | 0 | 1232.89 | 2087.41 | 2087.41 |
| 42 | 3.09449 | 6067.6 | 41.7416 | D-VD Silty SAND | 125 | 36 | 927.326 | 947.903 | 1132.63 | 0 | 1132.63 | 1960.05 | 1960.05 |
| 43 | 3.09449 | 5626.05 | 42.9511 | D-VD Silty SAND | 125 | 36 | 850.974 | 869.857 | 1025.21 | 0 | 1025.21 | 1817.4 | 1817.4 |
| 44 | 3.09449 | 5128.98 | 44.1849 | D-VD Silty SAND | 125 | 36 | 768.792 | 785.851 | 909.585 | 0 | 909.585 | 1656.81 | 1656.81 |
| 45 | 3.09449 | 4582.83 | 45.4451 | D-VD Silty SAND | 125 | 36 | 682.087 | 697.222 | 787.597 | 0 | 787.597 | 1480.36 | 1480.36 |
| 46 | 3.09449 | 3984.69 | 46.7341 | D-VD Silty SAND | 125 | 36 | 590.911 | 604.023 | 659.318 | 0 | 659.318 | 1287.12 | 1287.12 |
| 47 | 3.09449 | 3334.75 | 48.0547 | D-VD Silty SAND | 125 | 36 | 495.784 | 506.785 | 525.482 | 0 | 525.482 | 1077.16 | 1077.16 |
| 48 | 3.09449 | 2466.11 | 49.4102 | D-VD Silty SAND | 125 | 36 | 376.293 | 384.643 | 357.368 | 0 | 357.368 | 796.554 | 796.554 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | 3.09449 | 1106.86 | 50.8042 | D-VD Silty SAND | 125 | 36 | 201.092 | 205.554 | 110.874 | 0 | 110.874 | 357.474 | 357.474 |
| 50 | 0.789883 | 51.3424 | 51.6954 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 99.785 | 101.999 | -61.4382 | 0 | -61.4382 | 64.8906 | 64.8906 |

## Cross Section DD-DD' - Master Scenario

### Global Minimum Query (bishop simplified) - Safety Factor: 1.75738

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.16504 | 173.043 | 6.39601 | D-VD Silty SAND | 125 | 36 | 89.5891 | 157.442 | 44.6528 | 0 | 44.6528 | 54.6955 | 54.6955 |
| 2 | 3.16504 | 511.841 | 7.08128 | D-VD Silty SAND | 125 | 36 | 131.26 | 230.673 | 145.447 | 0 | 145.447 | 161.753 | 161.753 |
| 3 | 3.16504 | 836.027 | 7.76757 | D-VD Silty SAND | 125 | 36 | 170.726 | 300.03 | 240.907 | 0 | 240.907 | 264.195 | 264.195 |
| 4 | 3.16504 | 1145.53 | 8.45498 | D-VD Silty SAND | 125 | 36 | 208.006 | 365.545 | 331.082 | 0 | 331.082 | 362.001 | 362.001 |
| 5 | 3.16504 | 1447.93 | 9.14362 | D-VD Silty SAND | 125 | 36 | 244.055 | 428.898 | 418.28 | 0 | 418.28 | 457.562 | 457.562 |
| 6 | 3.16504 | 1831.79 | 9.8336 | D-VD Silty SAND | 125 | 36 | 289.687 | 509.09 | 528.654 | 0 | 528.654 | 578.867 | 578.867 |
| 7 | 3.16504 | 2229.77 | 10.525 | D-VD Silty SAND | 125 | 36 | 336.589 | 591.515 | 642.103 | 0 | 642.103 | 704.639 | 704.639 |
| 8 | 3.16504 | 2612.73 | 11.218 | D-VD Silty SAND | 125 | 36 | 381.22 | 669.948 | 750.057 | 0 | 750.057 | 825.665 | 825.665 |
| 9 | 3.16504 | 2980.56 | 11.9126 | D-VD Silty SAND | 125 | 36 | 423.593 | 744.413 | 852.548 | 0 | 852.548 | 941.911 | 941.911 |
| 10 | 3.16504 | 3333.15 | 12.6091 | D-VD Silty SAND | 125 | 36 | 463.721 | 814.934 | 949.613 | 0 | 949.613 | 1053.34 | 1053.34 |
| 11 | 3.16504 | 3670.37 | 13.3074 | D-VD Silty SAND | 125 | 36 | 501.617 | 881.532 | 1041.28 | 0 | 1041.28 | 1159.92 | 1159.92 |
| 12 | 3.16504 | 3992.1 | 14.0077 | D-VD Silty SAND | 125 | 36 | 537.292 | 944.226 | 1127.57 | 0 | 1127.57 | 1261.61 | 1261.61 |
| 13 | 3.16504 | 4298.2 | 14.7102 | D-VD Silty SAND | 125 | 36 | 570.755 | 1003.03 | 1208.51 | 0 | 1208.51 | 1358.35 | 1358.35 |
| 14 | 3.16504 | 4588.51 | 15.4149 | D-VD Silty SAND | 125 | 36 | 602.016 | 1057.97 | 1284.12 | 0 | 1284.12 | 1450.11 | 1450.11 |
| 15 | 3.16504 | 4862.89 | 16.1221 | D-VD Silty SAND | 125 | 36 | 631.08 | 1109.05 | 1354.42 | 0 | 1354.42 | 1536.84 | 1536.84 |
| 16 | 3.16504 | 5121.16 | 16.8318 | D-VD Silty SAND | 125 | 36 | 657.957 | 1156.28 | 1419.43 | 0 | 1419.43 | 1618.48 | 1618.48 |
| 17 | 3.16504 | 5363.15 | 17.5441 | D-VD Silty SAND | 125 | 36 | 682.647 | 1199.67 | 1479.16 | 0 | 1479.16 | 1694.97 | 1694.97 |
| 18 | 3.16504 | 5588.66 | 18.2593 | D-VD Silty SAND | 125 | 36 | 705.158 | 1239.23 | 1533.6 | 0 | 1533.6 | 1766.26 | 1766.26 |
| 19 | 3.16504 | 5797.5 | 18.9774 | D-VD Silty SAND | 125 | 36 | 725.495 | 1274.97 | 1582.79 | 0 | 1582.79 | 1832.28 | 1832.28 |
| 20 | 3.16504 | 5989.46 | 19.6986 | D-VD Silty SAND | 125 | 36 | 743.652 | 1306.88 | 1626.72 | 0 | 1626.72 | 1892.96 | 1892.96 |
| 21 | 3.16504 | 6164.3 | 20.4231 | D-VD Silty SAND | 125 | 36 | 759.637 | 1334.97 | 1665.38 | 0 | 1665.38 | 1948.24 | 1948.24 |
| 22 | 3.16504 | 6321.79 | 21.1511 | D-VD Silty SAND | 125 | 36 | 773.453 | 1359.25 | 1698.8 | 0 | 1698.8 | 1998.04 | 1998.04 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | 3.16504 | 6461.68 | 21.8826 | D-VD Silty SAND | 125 | 36 | 785.089 | 1379.7 | 1726.94 | 0 | 1726.94 | 2042.27 | 2042.27 |
| 24 | 3.16504 | 6583.69 | 22.6179 | D-VD Silty SAND | 125 | 36 | 794.546 | 1396.32 | 1749.83 | 0 | 1749.83 | 2080.86 | 2080.86 |
| 25 | 3.16504 | 6687.56 | 23.3571 | D-VD Silty SAND | 125 | 36 | 801.83 | 1409.12 | 1767.43 | 0 | 1767.43 | 2113.71 | 2113.71 |
| 26 | 3.16504 | 6772.96 | 24.1005 | D-VD Silty SAND | 125 | 36 | 806.923 | 1418.07 | 1779.76 | 0 | 1779.76 | 2140.72 | 2140.72 |
| 27 | 3.16504 | 6839.59 | 24.8482 | D-VD Silty SAND | 125 | 36 | 809.825 | 1423.17 | 1786.78 | 0 | 1786.78 | 2161.8 | 2161.8 |
| 28 | 3.16504 | 6887.11 | 25.6005 | D-VD Silty SAND | 125 | 36 | 810.536 | 1424.42 | 1788.49 | 0 | 1788.49 | 2176.85 | 2176.85 |
| 29 | 3.16504 | 6915.16 | 26.3576 | D-VD Silty SAND | 125 | 36 | 809.04 | 1421.79 | 1784.87 | 0 | 1784.87 | 2185.74 | 2185.74 |
| 30 | 3.16504 | 6923.35 | 27.1196 | D-VD Silty SAND | 125 | 36 | 805.33 | 1415.27 | 1775.9 | 0 | 1775.9 | 2188.35 | 2188.35 |
| 31 | 3.16504 | 6911.3 | 27.8869 | D-VD Silty SAND | 125 | 36 | 799.395 | 1404.84 | 1761.54 | 0 | 1761.54 | 2184.57 | 2184.57 |
| 32 | 3.16504 | 6878.56 | 28.6596 | D-VD Silty SAND | 125 | 36 | 791.223 | 1390.48 | 1741.78 | 0 | 1741.78 | 2174.24 | 2174.24 |
| 33 | 3.16504 | 6824.68 | 29.4381 | D-VD Silty SAND | 125 | 36 | 780.81 | 1372.18 | 1716.59 | 0 | 1716.59 | 2157.24 | 2157.24 |
| 34 | 3.16504 | 6749.18 | 30.2226 | D-VD Silty SAND | 125 | 36 | 768.132 | 1349.9 | 1685.93 | 0 | 1685.93 | 2133.4 | 2133.4 |
| 35 | 3.16504 | 6651.55 | 31.0134 | D-VD Silty SAND | 125 | 36 | 753.184 | 1323.63 | 1649.77 | 0 | 1649.77 | 2102.56 | 2102.56 |
| 36 | 3.16504 | 6531.22 | 31.8108 | D-VD Silty SAND | 125 | 36 | 735.936 | 1293.32 | 1608.06 | 0 | 1608.06 | 2064.55 | 2064.55 |
| 37 | 3.16504 | 6387.63 | 32.6152 | D-VD Silty SAND | 125 | 36 | 716.39 | 1258.97 | 1560.77 | 0 | 1560.77 | 2019.19 | 2019.19 |
| 38 | 3.16504 | 6220.13 | 33.4268 | D-VD Silty SAND | 125 | 36 | 694.511 | 1220.52 | 1507.86 | 0 | 1507.86 | 1966.27 | 1966.27 |
| 39 | 3.16504 | 6028.07 | 34.2461 | D-VD Silty SAND | 125 | 36 | 670.288 | 1177.95 | 1449.26 | 0 | 1449.26 | 1905.58 | 1905.58 |
| 40 | 3.16504 | 5810.84 | 35.0735 | D-VD Silty SAND | 125 | 36 | 643.708 | 1131.24 | 1384.97 | 0 | 1384.97 | 1836.94 | 1836.94 |
| 41 | 3.16504 | 5596.51 | 35.9094 | D-VD Silty SAND | 125 | 36 | 617.653 | 1085.45 | 1321.95 | 0 | 1321.95 | 1769.21 | 1769.21 |
| 42 | 3.16504 | 5377.37 | 36.7542 | D-VD Silty SAND | 125 | 36 | 591.345 | 1039.22 | 1258.31 | 0 | 1258.31 | 1699.96 | 1699.96 |
| 43 | 3.16504 | 5130.46 | 37.6084 | D-VD Silty SAND | 125 | 36 | 562.523 | 988.566 | 1188.6 | 0 | 1188.6 | 1621.93 | 1621.93 |
| 44 | 3.16504 | 4854.81 | 38.4725 | D-VD Silty SAND | 125 | 36 | 531.157 | 933.444 | 1112.73 | 0 | 1112.73 | 1534.81 | 1534.81 |
| 45 | 3.16504 | 4549.4 | 39.3471 | D-VD Silty SAND | 125 | 36 | 497.217 | 873.8 | 1030.63 | 0 | 1030.63 | 1438.29 | 1438.29 |
| 46 | 3.16504 | 4213.09 | 40.2328 | D-VD Silty SAND | 125 | 36 | 460.672 | 809.576 | 942.239 | 0 | 942.239 | 1331.99 | 1331.99 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | 3.51727 | 4193.48 | 41.1809 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 443.346 | 779.127 | 805.246 | 0 | 805.246 | 1193.11 | 1193.11 |
| 48 | 3.51727 | 3561.49 | 42.1937 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 381.929 | 671.194 | 667.097 | 0 | 667.097 | 1013.33 | 1013.33 |
| 49 | 3.51727 | 2323.52 | 43.223 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 267.514 | 470.124 | 409.74 | 0 | 409.74 | 661.155 | 661.155 |
| 50 | 3.51727 | 783.893 | 44.27 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 128.757 | 226.275 | 97.6279 | 0 | 97.6279 | 223.145 | 223.145 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.6897

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.1485 | 231.757 | 0.593037 | D-VD Silty SAND | 125 | 36 | 105.161 | 177.69 | 72.5218 | 0 | 72.5218 | 73.6103 | 73.6103 |
| 2 | 3.1485 | 685.909 | 1.49451 | D-VD Silty SAND | 125 | 36 | 165.794 | 280.142 | 213.534 | 0 | 213.534 | 217.86 | 217.86 |
| 3 | 3.1485 | 1121.33 | 2.39635 | D-VD Silty SAND | 125 | 36 | 223.106 | 376.983 | 346.824 | 0 | 346.824 | 356.16 | 356.16 |
| 4 | 3.1485 | 1537.98 | 3.29879 | D-VD Silty SAND | 125 | 36 | 277.158 | 468.314 | 472.53 | 0 | 472.53 | 488.505 | 488.505 |
| 5 | 3.1485 | 1960.48 | 4.20205 | D-VD Silty SAND | 125 | 36 | 331.268 | 559.744 | 598.375 | 0 | 598.375 | 622.713 | 622.713 |
| 6 | 3.1485 | 2461.17 | 5.10635 | D-VD Silty SAND | 125 | 36 | 394.944 | 667.337 | 746.462 | 0 | 746.462 | 781.754 | 781.754 |
| 7 | 3.1485 | 2952.82 | 6.01193 | D-VD Silty SAND | 125 | 36 | 456.595 | 771.509 | 889.845 | 0 | 889.845 | 937.931 | 937.931 |
| 8 | 3.1485 | 3425.44 | 6.91903 | D-VD Silty SAND | 125 | 36 | 514.957 | 870.123 | 1025.57 | 0 | 1025.57 | 1088.06 | 1088.06 |
| 9 | 3.1485 | 3878.94 | 7.82787 | D-VD Silty SAND | 125 | 36 | 570.071 | 963.249 | 1153.75 | 0 | 1153.75 | 1232.12 | 1232.12 |
| 10 | 3.1485 | 4313.18 | 8.73869 | D-VD Silty SAND | 125 | 36 | 621.977 | 1050.95 | 1274.46 | 0 | 1274.46 | 1370.07 | 1370.07 |
| 11 | 3.1485 | 4728.04 | 9.65175 | D-VD Silty SAND | 125 | 36 | 670.711 | 1133.3 | 1387.8 | 0 | 1387.8 | 1501.87 | 1501.87 |
| 12 | 3.1485 | 5123.36 | 10.5673 | D-VD Silty SAND | 125 | 36 | 716.299 | 1210.33 | 1493.83 | 0 | 1493.83 | 1627.46 | 1627.46 |
| 13 | 3.1485 | 5498.99 | 11.4856 | D-VD Silty SAND | 125 | 36 | 758.78 | 1282.11 | 1592.62 | 0 | 1592.62 | 1746.8 | 1746.8 |
| 14 | 3.1485 | 5854.73 | 12.4069 | D-VD Silty SAND | 125 | 36 | 798.165 | 1348.66 | 1684.23 | 0 | 1684.23 | 1859.82 | 1859.82 |
| 15 | 3.1485 | 6190.37 | 13.3314 | D-VD Silty SAND | 125 | 36 | 834.491 | 1410.04 | 1768.71 | 0 | 1768.71 | 1966.46 | 1966.46 |
| 16 | 3.1485 | 6505.7 | 14.2595 | D-VD Silty SAND | 125 | 36 | 867.775 | 1466.28 | 1846.11 | 0 | 1846.11 | 2066.65 | 2066.65 |
| 17 | 3.1485 | 6800.48 | 15.1914 | D-VD Silty SAND | 125 | 36 | 898.023 | 1517.39 | 1916.47 | 0 | 1916.47 | 2160.31 | 2160.31 |
| 18 | 3.1485 | 7074.43 | 16.1275 | D-VD Silty SAND | 125 | 36 | 925.265 | 1563.42 | 1979.81 | 0 | 1979.81 | 2247.36 | 2247.36 |
| 19 | 3.1485 | 7327.27 | 17.068 | D-VD Silty SAND | 125 | 36 | 949.5 | 1604.37 | 2036.18 | 0 | 2036.18 | 2327.7 | 2327.7 |
| 20 | 3.1485 | 7558.68 | 18.0133 | D-VD Silty SAND | 125 | 36 | 970.74 | 1640.26 | 2085.58 | 0 | 2085.58 | 2401.24 | 2401.24 |
| 21 | 3.1485 | 7768.33 | 18.9637 | D-VD Silty SAND | 125 | 36 | 988.992 | 1671.1 | 2128.03 | 0 | 2128.03 | 2467.87 | 2467.87 |
| 22 | 3.1485 | 7955.85 | 19.9195 | D-VD Silty SAND | 125 | 36 | 1004.26 | 1696.9 | 2163.54 | 0 | 2163.54 | 2527.46 | 2527.46 |
| 23 | 3.1485 | 8120.85 | 20.8812 | D-VD Silty SAND | 125 | 36 | 1016.55 | 1717.66 | 2192.11 | 0 | 2192.11 | 2579.91 | 2579.91 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 3.1485 | 8262.9 | 21.849 | D-VD Silty SAND | 125 | 36 | 1025.84 | 1733.37 | 2213.74 | 0 | 2213.74 | 2625.07 | 2625.07 |
| 25 | 3.1485 | 8381.54 | 22.8235 | D-VD Silty SAND | 125 | 36 | 1032.15 | 1744.03 | 2228.41 | 0 | 2228.41 | 2662.78 | 2662.78 |
| 26 | 3.1485 | 8476.27 | 23.805 | D-VD Silty SAND | 125 | 36 | 1035.47 | 1749.63 | 2236.11 | 0 | 2236.11 | 2692.91 | 2692.91 |
| 27 | 3.1485 | 8546.56 | 24.7939 | D-VD Silty SAND | 125 | 36 | 1035.77 | 1750.14 | 2236.81 | 0 | 2236.81 | 2715.27 | 2715.27 |
| 28 | 3.1485 | 8591.84 | 25.7909 | D-VD Silty SAND | 125 | 36 | 1033.05 | 1745.55 | 2230.49 | 0 | 2230.49 | 2729.69 | 2729.69 |
| 29 | 3.1485 | 8611.47 | 26.7962 | D-VD Silty SAND | 125 | 36 | 1027.3 | 1735.83 | 2217.11 | 0 | 2217.11 | 2735.95 | 2735.95 |
| 30 | 3.1485 | 8604.77 | 27.8106 | D-VD Silty SAND | 125 | 36 | 1018.49 | 1720.94 | 2196.63 | 0 | 2196.63 | 2733.86 | 2733.86 |
| 31 | 3.1485 | 8571.03 | 28.8345 | D-VD Silty SAND | 125 | 36 | 1006.6 | 1700.86 | 2168.99 | 0 | 2168.99 | 2723.17 | 2723.17 |
| 32 | 3.1485 | 8509.43 | 29.8686 | D-VD Silty SAND | 125 | 36 | 991.62 | 1675.54 | 2134.14 | 0 | 2134.14 | 2703.63 | 2703.63 |
| 33 | 3.1485 | 8419.12 | 30.9136 | D-VD Silty SAND | 125 | 36 | 973.51 | 1644.94 | 2092.02 | 0 | 2092.02 | 2674.97 | 2674.97 |
| 34 | 3.1485 | 8299.17 | 31.97 | D-VD Silty SAND | 125 | 36 | 952.24 | 1609 | 2042.55 | 0 | 2042.55 | 2636.89 | 2636.89 |
| 35 | 3.1485 | 8148.55 | 33.0388 | D-VD Silty SAND | 125 | 36 | 927.78 | 1567.67 | 1985.66 | 0 | 1985.66 | 2589.06 | 2589.06 |
| 36 | 3.1485 | 7966.14 | 34.1208 | D-VD Silty SAND | 125 | 36 | 900.089 | 1520.88 | 1921.26 | 0 | 1921.26 | 2531.14 | 2531.14 |
| 37 | 3.1485 | 7750.74 | 35.2167 | D-VD Silty SAND | 125 | 36 | 869.125 | 1468.56 | 1849.25 | 0 | 1849.25 | 2462.73 | 2462.73 |
| 38 | 3.1485 | 7500.99 | 36.3277 | D-VD Silty SAND | 125 | 36 | 834.846 | 1410.64 | 1769.53 | 0 | 1769.53 | 2383.41 | 2383.41 |
| 39 | 3.1485 | 7215.42 | 37.4548 | D-VD Silty SAND | 125 | 36 | 797.201 | 1347.03 | 1681.99 | 0 | 1681.99 | 2292.7 | 2292.7 |
| 40 | 3.1485 | 6893.06 | 38.5991 | D-VD Silty SAND | 125 | 36 | 756.211 | 1277.77 | 1586.65 | 0 | 1586.65 | 2190.31 | 2190.31 |
| 41 | 3.1485 | 6563.52 | 39.762 | D-VD Silty SAND | 125 | 36 | 714.973 | 1208.09 | 1490.74 | 0 | 1490.74 | 2085.63 | 2085.63 |
| 42 | 3.1485 | 6210.66 | 40.9448 | D-VD Silty SAND | 125 | 36 | 671.906 | 1135.32 | 1390.59 | 0 | 1390.59 | 1973.53 | 1973.53 |
| 43 | 3.1485 | 5814.33 | 42.1493 | D-VD Silty SAND | 125 | 36 | 625.13 | 1056.28 | 1281.8 | 0 | 1281.8 | 1847.63 | 1847.63 |
| 44 | 3.1485 | 5372.02 | 43.3771 | D-VD Silty SAND | 125 | 36 | 574.565 | 970.842 | 1164.2 | 0 | 1164.2 | 1707.11 | 1707.11 |
| 45 | 3.1485 | 4880.91 | 44.6304 | D-VD Silty SAND | 125 | 36 | 520.133 | 878.869 | 1037.61 | 0 | 1037.61 | 1551.08 | 1551.08 |
| 46 | 3.1485 | 4337.8 | 45.9113 | D-VD Silty SAND | 125 | 36 | 461.752 | 780.223 | 901.837 | 0 | 901.837 | 1378.52 | 1378.52 |
| 47 | 2.82276 | 3339.61 | 47.1531 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 424.531 | 717.33 | 726.149 | 0 | 726.149 | 1183.85 | 1183.85 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 2.82276 | 2727.73 | 48.3553 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 352.564 | 595.728 | 570.505 | 0 | 570.505 | 966.984 | 966.984 |
| 49 | 2.82276 | 1874.67 | 49.5865 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 256.689 | 433.727 | 363.154 | 0 | 363.154 | 664.618 | 664.618 |
| 50 | 2.82276 | 636.156 | 50.8496 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 123.151 | 208.088 | 74.3492 | 0 | 74.3492 | 225.614 | 225.614 |

## Cross Section DD-DD' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 1.09495

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.31787 | 195.767 | 5.91506 | D-VD Silty SAND | 125 | 36 | 143.454 | 157.075 | 44.147 | 0 | 44.147 | 59.0096 | 59.0096 |
| 2 | 3.31787 | 579.217 | 6.608 | D-VD Silty SAND | 125 | 36 | 213.586 | 233.866 | 149.841 | 0 | 149.841 | 174.584 | 174.584 |
| 3 | 3.31787 | 946.463 | 7.30192 | D-VD Silty SAND | 125 | 36 | 279.673 | 306.228 | 249.44 | 0 | 249.44 | 285.276 | 285.276 |
| 4 | 3.31787 | 1297.44 | 7.99691 | D-VD Silty SAND | 125 | 36 | 341.785 | 374.238 | 343.047 | 0 | 343.047 | 391.063 | 391.063 |
| 5 | 3.31787 | 1632.05 | 8.6931 | D-VD Silty SAND | 125 | 36 | 399.989 | 437.968 | 430.765 | 0 | 430.765 | 491.922 | 491.922 |
| 6 | 3.31787 | 1950.23 | 9.39057 | D-VD Silty SAND | 125 | 36 | 454.347 | 497.487 | 512.683 | 0 | 512.683 | 587.823 | 587.823 |
| 7 | 3.31787 | 2324.98 | 10.0895 | D-VD Silty SAND | 125 | 36 | 517.996 | 567.18 | 608.608 | 0 | 608.608 | 700.779 | 700.779 |
| 8 | 3.31787 | 2756.13 | 10.7899 | D-VD Silty SAND | 125 | 36 | 590.69 | 646.776 | 718.162 | 0 | 718.162 | 830.733 | 830.733 |
| 9 | 3.31787 | 3170.52 | 11.4919 | D-VD Silty SAND | 125 | 36 | 659.321 | 721.924 | 821.595 | 0 | 821.595 | 955.639 | 955.639 |
| 10 | 3.31787 | 3568.03 | 12.1957 | D-VD Silty SAND | 125 | 36 | 723.948 | 792.687 | 918.993 | 0 | 918.993 | 1075.46 | 1075.46 |
| 11 | 3.31787 | 3948.54 | 12.9014 | D-VD Silty SAND | 125 | 36 | 784.62 | 859.12 | 1010.43 | 0 | 1010.43 | 1190.15 | 1190.15 |
| 12 | 3.31787 | 4311.89 | 13.609 | D-VD Silty SAND | 125 | 36 | 841.387 | 921.277 | 1095.98 | 0 | 1095.98 | 1299.67 | 1299.67 |
| 13 | 3.31787 | 4657.95 | 14.3188 | D-VD Silty SAND | 125 | 36 | 894.297 | 979.21 | 1175.72 | 0 | 1175.72 | 1403.99 | 1403.99 |
| 14 | 3.31787 | 4986.55 | 15.0309 | D-VD Silty SAND | 125 | 36 | 943.391 | 1032.97 | 1249.71 | 0 | 1249.71 | 1503.04 | 1503.04 |
| 15 | 3.31787 | 5297.52 | 15.7453 | D-VD Silty SAND | 125 | 36 | 988.713 | 1082.59 | 1318.01 | 0 | 1318.01 | 1596.77 | 1596.77 |
| 16 | 3.31787 | 5590.67 | 16.4622 | D-VD Silty SAND | 125 | 36 | 1030.3 | 1128.13 | 1380.68 | 0 | 1380.68 | 1685.13 | 1685.13 |
| 17 | 3.31787 | 5865.82 | 17.1818 | D-VD Silty SAND | 125 | 36 | 1068.19 | 1169.61 | 1437.79 | 0 | 1437.79 | 1768.07 | 1768.07 |
| 18 | 3.31787 | 6122.75 | 17.9043 | D-VD Silty SAND | 125 | 36 | 1102.41 | 1207.08 | 1489.36 | 0 | 1489.36 | 1845.52 | 1845.52 |
| 19 | 3.31787 | 6361.25 | 18.6296 | D-VD Silty SAND | 125 | 36 | 1133 | 1240.58 | 1535.46 | 0 | 1535.46 | 1917.41 | 1917.41 |
| 20 | 3.31787 | 6581.08 | 19.3581 | D-VD Silty SAND | 125 | 36 | 1159.99 | 1270.13 | 1576.14 | 0 | 1576.14 | 1983.68 | 1983.68 |
| 21 | 3.31787 | 6782 | 20.0898 | D-VD Silty SAND | 125 | 36 | 1183.41 | 1295.77 | 1611.42 | 0 | 1611.42 | 2044.25 | 2044.25 |
| 22 | 3.31787 | 6963.75 | 20.825 | D-VD Silty SAND | 125 | 36 | 1203.26 | 1317.51 | 1641.36 | 0 | 1641.36 | 2099.03 | 2099.03 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | 3.31787 | 7126.04 | 21.5638 | D-VD Silty SAND | 125 | 36 | 1219.6 | 1335.4 | 1665.98 | 0 | 1665.98 | 2147.96 | 2147.96 |
| 24 | 3.31787 | 7268.59 | 22.3064 | D-VD Silty SAND | 125 | 36 | 1232.43 | 1349.45 | 1685.31 | 0 | 1685.31 | 2190.93 | 2190.93 |
| 25 | 3.31787 | 7391.07 | 23.0529 | D-VD Silty SAND | 125 | 36 | 1241.78 | 1359.69 | 1699.4 | 0 | 1699.4 | 2227.86 | 2227.86 |
| 26 | 3.31787 | 7493.18 | 23.8036 | D-VD Silty SAND | 125 | 36 | 1247.66 | 1366.12 | 1708.26 | 0 | 1708.26 | 2258.64 | 2258.64 |
| 27 | 3.31787 | 7574.54 | 24.5587 | D-VD Silty SAND | 125 | 36 | 1250.09 | 1368.79 | 1711.92 | 0 | 1711.92 | 2283.17 | 2283.17 |
| 28 | 3.31787 | 7634.79 | 25.3184 | D-VD Silty SAND | 125 | 36 | 1249.08 | 1367.68 | 1710.41 | 0 | 1710.41 | 2301.33 | 2301.33 |
| 29 | 3.31787 | 7673.54 | 26.0828 | D-VD Silty SAND | 125 | 36 | 1244.66 | 1362.84 | 1703.73 | 0 | 1703.73 | 2313.02 | 2313.02 |
| 30 | 3.31787 | 7690.36 | 26.8523 | D-VD Silty SAND | 125 | 36 | 1236.81 | 1354.25 | 1691.92 | 0 | 1691.92 | 2318.1 | 2318.1 |
| 31 | 3.31787 | 7684.82 | 27.627 | D-VD Silty SAND | 125 | 36 | 1225.58 | 1341.95 | 1674.98 | 0 | 1674.98 | 2316.44 | 2316.44 |
| 32 | 3.31787 | 7656.43 | 28.4073 | D-VD Silty SAND | 125 | 36 | 1210.94 | 1325.92 | 1652.93 | 0 | 1652.93 | 2307.88 | 2307.88 |
| 33 | 3.31787 | 7604.71 | 29.1933 | D-VD Silty SAND | 125 | 36 | 1192.93 | 1306.2 | 1625.78 | 0 | 1625.78 | 2292.3 | 2292.3 |
| 34 | 3.31787 | 7529.1 | 29.9855 | D-VD Silty SAND | 125 | 36 | 1171.53 | 1282.77 | 1593.53 | 0 | 1593.53 | 2269.52 | 2269.52 |
| 35 | 3.31787 | 7429.05 | 30.784 | D-VD Silty SAND | 125 | 36 | 1146.76 | 1255.64 | 1556.19 | 0 | 1556.19 | 2239.36 | 2239.36 |
| 36 | 3.31787 | 7303.95 | 31.5892 | D-VD Silty SAND | 125 | 36 | 1118.61 | 1224.82 | 1513.78 | 0 | 1513.78 | 2201.66 | 2201.66 |
| 37 | 3.31787 | 7153.15 | 32.4014 | D-VD Silty SAND | 125 | 36 | 1087.09 | 1190.31 | 1466.28 | 0 | 1466.28 | 2156.21 | 2156.21 |
| 38 | 3.31787 | 6975.95 | 33.221 | D-VD Silty SAND | 125 | 36 | 1052.21 | 1152.12 | 1413.7 | 0 | 1413.7 | 2102.8 | 2102.8 |
| 39 | 3.31787 | 6771.61 | 34.0483 | D-VD Silty SAND | 125 | 36 | 1013.95 | 1110.23 | 1356.05 | 0 | 1356.05 | 2041.21 | 2041.21 |
| 40 | 3.31787 | 6542.93 | 34.8838 | D-VD Silty SAND | 125 | 36 | 972.813 | 1065.18 | 1294.05 | 0 | 1294.05 | 1972.29 | 1972.29 |
| 41 | 3.31787 | 6326.47 | 35.7279 | D-VD Silty SAND | 125 | 36 | 933.843 | 1022.51 | 1235.32 | 0 | 1235.32 | 1907.04 | 1907.04 |
| 42 | 3.31787 | 6091.94 | 36.581 | D-VD Silty SAND | 125 | 36 | 892.931 | 977.715 | 1173.66 | 0 | 1173.66 | 1836.35 | 1836.35 |
| 43 | 3.31787 | 5826.73 | 37.4437 | D-VD Silty SAND | 125 | 36 | 848.482 | 929.045 | 1106.67 | 0 | 1106.67 | 1756.41 | 1756.41 |
| 44 | 3.31787 | 5529.77 | 38.3164 | D-VD Silty SAND | 125 | 36 | 800.488 | 876.494 | 1034.34 | 0 | 1034.34 | 1666.9 | 1666.9 |
| 45 | 3.31787 | 5199.91 | 39.1998 | D-VD Silty SAND | 125 | 36 | 748.941 | 820.053 | 956.659 | 0 | 956.659 | 1567.47 | 1567.47 |
| 46 | 3.31787 | 4835.91 | 40.0944 | D-VD Silty SAND | 125 | 36 | 693.834 | 759.714 | 873.609 | 0 | 873.609 | 1457.76 | 1457.76 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | 3.54168 | 4665.35 | 41.032 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 664.46 | 727.551 | 739.231 | 0 | 739.231 | 1317.49 | 1317.49 |
| 48 | 3.54168 | 3809.2 | 42.0141 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 550.624 | 602.906 | 579.694 | 0 | 579.694 | 1075.72 | 1075.72 |
| 49 | 3.54168 | 2336.74 | 43.0117 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 364.939 | 399.59 | 319.461 | 0 | 319.461 | 659.912 | 659.912 |
| 50 | 3.54168 | 788.062 | 44.0258 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 175.068 | 191.691 | 53.3616 | 0 | 53.3616 | 222.575 | 222.575 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.04817

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.24579 | 252.674 | 0.015404 | D-VD Silty SAND | 125 | 36 | 173.183 | 181.525 | 77.8001 | 0 | 77.8001 | 77.8466 | 77.8466 |
| 2 | 3.24579 | 748.166 | 0.908802 | D-VD Silty SAND | 125 | 36 | 275.99 | 289.284 | 226.117 | 0 | 226.117 | 230.495 | 230.495 |
| 3 | 3.24579 | 1223.94 | 1.80242 | D-VD Silty SAND | 125 | 36 | 372.493 | 390.436 | 365.341 | 0 | 365.341 | 377.063 | 377.063 |
| 4 | 3.24579 | 1679.96 | 2.69648 | D-VD Silty SAND | 125 | 36 | 462.881 | 485.178 | 495.742 | 0 | 495.742 | 517.542 | 517.542 |
| 5 | 3.24579 | 2116.21 | 3.5912 | D-VD Silty SAND | 125 | 36 | 547.329 | 573.694 | 617.573 | 0 | 617.573 | 651.924 | 651.924 |
| 6 | 3.24579 | 2532.62 | 4.48679 | D-VD Silty SAND | 125 | 36 | 626 | 656.154 | 731.071 | 0 | 731.071 | 780.193 | 780.193 |
| 7 | 3.24579 | 2992.75 | 5.38348 | D-VD Silty SAND | 125 | 36 | 711.793 | 746.08 | 854.844 | 0 | 854.844 | 921.921 | 921.921 |
| 8 | 3.24579 | 3509.01 | 6.2815 | D-VD Silty SAND | 125 | 36 | 806.944 | 845.814 | 992.115 | 0 | 992.115 | 1080.94 | 1080.94 |
| 9 | 3.24579 | 4005.35 | 7.18107 | D-VD Silty SAND | 125 | 36 | 896.21 | 939.38 | 1120.9 | 0 | 1120.9 | 1233.82 | 1233.82 |
| 10 | 3.24579 | 4481.5 | 8.08243 | D-VD Silty SAND | 125 | 36 | 979.696 | 1026.89 | 1241.34 | 0 | 1241.34 | 1380.47 | 1380.47 |
| 11 | 3.24579 | 4937.34 | 8.9858 | D-VD Silty SAND | 125 | 36 | 1057.53 | 1108.47 | 1353.63 | 0 | 1353.63 | 1520.86 | 1520.86 |
| 12 | 3.24579 | 5372.72 | 9.89143 | D-VD Silty SAND | 125 | 36 | 1129.83 | 1184.25 | 1457.93 | 0 | 1457.93 | 1654.94 | 1654.94 |
| 13 | 3.24579 | 5787.48 | 10.7996 | D-VD Silty SAND | 125 | 36 | 1196.7 | 1254.34 | 1554.4 | 0 | 1554.4 | 1782.67 | 1782.67 |
| 14 | 3.24579 | 6181.44 | 11.7105 | D-VD Silty SAND | 125 | 36 | 1258.23 | 1318.84 | 1643.18 | 0 | 1643.18 | 1903.99 | 1903.99 |
| 15 | 3.24579 | 6554.4 | 12.6244 | D-VD Silty SAND | 125 | 36 | 1314.54 | 1377.86 | 1724.41 | 0 | 1724.41 | 2018.83 | 2018.83 |
| 16 | 3.24579 | 6906.14 | 13.5415 | D-VD Silty SAND | 125 | 36 | 1365.69 | 1431.48 | 1798.22 | 0 | 1798.22 | 2127.14 | 2127.14 |
| 17 | 3.24579 | 7236.43 | 14.4623 | D-VD Silty SAND | 125 | 36 | 1411.79 | 1479.8 | 1864.72 | 0 | 1864.72 | 2228.84 | 2228.84 |
| 18 | 3.24579 | 7545 | 15.3868 | D-VD Silty SAND | 125 | 36 | 1452.89 | 1522.88 | 1924.01 | 0 | 1924.01 | 2323.85 | 2323.85 |
| 19 | 3.24579 | 7831.58 | 16.3155 | D-VD Silty SAND | 125 | 36 | 1489.07 | 1560.8 | 1976.2 | 0 | 1976.2 | 2412.08 | 2412.08 |
| 20 | 3.24579 | 8095.85 | 17.2487 | D-VD Silty SAND | 125 | 36 | 1520.38 | 1593.62 | 2021.38 | 0 | 2021.38 | 2493.43 | 2493.43 |
| 21 | 3.24579 | 8337.49 | 18.1865 | D-VD Silty SAND | 125 | 36 | 1546.9 | 1621.41 | 2059.62 | 0 | 2059.62 | 2567.82 | 2567.82 |
| 22 | 3.24579 | 8556.14 | 19.1295 | D-VD Silty SAND | 125 | 36 | 1568.65 | 1644.21 | 2091.02 | 0 | 2091.02 | 2635.11 | 2635.11 |
| 23 | 3.24579 | 8751.4 | 20.0778 | D-VD Silty SAND | 125 | 36 | 1585.71 | 1662.09 | 2115.62 | 0 | 2115.62 | 2695.21 | 2695.21 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 3.24579 | 8922.87 | 21.0319 | D-VD Silty SAND | 125 | 36 | 1598.1 | 1675.08 | 2133.5 | 0 | 2133.5 | 2747.98 | 2747.98 |
| 25 | 3.24579 | 9070.09 | 21.9922 | D-VD Silty SAND | 125 | 36 | 1605.88 | 1683.23 | 2144.72 | 0 | 2144.72 | 2793.28 | 2793.28 |
| 26 | 3.24579 | 9192.58 | 22.959 | D-VD Silty SAND | 125 | 36 | 1609.06 | 1686.57 | 2149.31 | 0 | 2149.31 | 2830.96 | 2830.96 |
| 27 | 3.24579 | 9289.81 | 23.9328 | D-VD Silty SAND | 125 | 36 | 1607.69 | 1685.13 | 2147.33 | 0 | 2147.33 | 2860.86 | 2860.86 |
| 28 | 3.24579 | 9361.22 | 24.914 | D-VD Silty SAND | 125 | 36 | 1601.77 | 1678.93 | 2138.81 | 0 | 2138.81 | 2882.8 | 2882.8 |
| 29 | 3.24579 | 9406.2 | 25.9031 | D-VD Silty SAND | 125 | 36 | 1591.36 | 1668.02 | 2123.78 | 0 | 2123.78 | 2896.61 | 2896.61 |
| 30 | 3.24579 | 9424.09 | 26.9005 | D-VD Silty SAND | 125 | 36 | 1576.45 | 1652.39 | 2102.28 | 0 | 2102.28 | 2902.07 | 2902.07 |
| 31 | 3.24579 | 9414.17 | 27.9068 | D-VD Silty SAND | 125 | 36 | 1557.08 | 1632.08 | 2074.31 | 0 | 2074.31 | 2898.98 | 2898.98 |
| 32 | 3.24579 | 9375.68 | 28.9226 | D-VD Silty SAND | 125 | 36 | 1533.22 | 1607.08 | 2039.9 | 0 | 2039.9 | 2887.08 | 2887.08 |
| 33 | 3.24579 | 9307.78 | 29.9484 | D-VD Silty SAND | 125 | 36 | 1504.92 | 1577.41 | 1999.07 | 0 | 1999.07 | 2866.13 | 2866.13 |
| 34 | 3.24579 | 9209.56 | 30.985 | D-VD Silty SAND | 125 | 36 | 1472.16 | 1543.07 | 1951.8 | 0 | 1951.8 | 2835.84 | 2835.84 |
| 35 | 3.24579 | 9080.05 | 32.0329 | D-VD Silty SAND | 125 | 36 | 1434.94 | 1504.06 | 1898.11 | 0 | 1898.11 | 2795.91 | 2795.91 |
| 36 | 3.24579 | 8918.16 | 33.0929 | D-VD Silty SAND | 125 | 36 | 1393.27 | 1460.38 | 1838 | 0 | 1838 | 2746.01 | 2746.01 |
| 37 | 3.24579 | 8722.73 | 34.1659 | D-VD Silty SAND | 125 | 36 | 1347.14 | 1412.03 | 1771.45 | 0 | 1771.45 | 2685.79 | 2685.79 |
| 38 | 3.24579 | 8492.48 | 35.2527 | D-VD Silty SAND | 125 | 36 | 1296.55 | 1359 | 1698.45 | 0 | 1698.45 | 2614.85 | 2614.85 |
| 39 | 3.24579 | 8226.01 | 36.3544 | D-VD Silty SAND | 125 | 36 | 1241.47 | 1301.27 | 1619 | 0 | 1619 | 2532.76 | 2532.76 |
| 40 | 3.24579 | 7921.77 | 37.4718 | D-VD Silty SAND | 125 | 36 | 1181.9 | 1238.83 | 1533.06 | 0 | 1533.06 | 2439.04 | 2439.04 |
| 41 | 3.24579 | 7586.6 | 38.6062 | D-VD Silty SAND | 125 | 36 | 1119 | 1172.9 | 1442.31 | 0 | 1442.31 | 2335.79 | 2335.79 |
| 42 | 3.24579 | 7250.21 | 39.7588 | D-VD Silty SAND | 125 | 36 | 1056.98 | 1107.89 | 1352.83 | 0 | 1352.83 | 2232.18 | 2232.18 |
| 43 | 3.24579 | 6875.53 | 40.9311 | D-VD Silty SAND | 125 | 36 | 990.896 | 1038.63 | 1257.5 | 0 | 1257.5 | 2116.78 | 2116.78 |
| 44 | 3.24579 | 6455.09 | 42.1246 | D-VD Silty SAND | 125 | 36 | 920.032 | 964.35 | 1155.27 | 0 | 1155.27 | 1987.29 | 1987.29 |
| 45 | 3.24579 | 5986.27 | 43.341 | D-VD Silty SAND | 125 | 36 | 844.359 | 885.032 | 1046.09 | 0 | 1046.09 | 1842.92 | 1842.92 |
| 46 | 3.24579 | 5466.14 | 44.5823 | D-VD Silty SAND | 125 | 36 | 763.854 | 800.649 | 929.951 | 0 | 929.951 | 1682.75 | 1682.75 |
| 47 | 3.24579 | 4891.37 | 45.8507 | D-VD Silty SAND | 125 | 36 | 678.499 | 711.182 | 806.81 | 0 | 806.81 | 1505.76 | 1505.76 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 3.78449 | 4819.6 | 47.2594 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 604.172 | 633.275 | 618.563 | 0 | 618.563 | 1272.37 | 1272.37 |
| 49 | 3.78449 | 3312.26 | 48.8177 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 429.183 | 449.857 | 383.801 | 0 | 383.801 | 874.359 | 874.359 |
| 50 | 3.78449 | 1126.38 | 50.4262 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 191.735 | 200.971 | 65.2397 | 0 | 65.2397 | 297.224 | 297.224 |

# Cross Section EE-EE' - Master Scenario

## Global Minimum Query (bishop simplified) - Safety Factor: 1.82285

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.72234 | 195.83 | 4.8268 | D-VD Silty SAND | 125 | 36 | 86.6332 | 157.919 | 45.3096 | 0 | 45.3096 | 52.6252 | 52.6252 |
| 2 | 3.72234 | 590.215 | 5.55005 | D-VD Silty SAND | 125 | 36 | 126.869 | 231.263 | 146.259 | 0 | 146.259 | 158.587 | 158.587 |
| 3 | 3.72234 | 1149.77 | 6.27419 | D-VD Silty SAND | 125 | 36 | 183.657 | 334.779 | 288.736 | 0 | 288.736 | 308.928 | 308.928 |
| 4 | 3.72234 | 1748.06 | 6.99933 | D-VD Silty SAND | 125 | 36 | 243.844 | 444.491 | 439.742 | 0 | 439.742 | 469.68 | 469.68 |
| 5 | 3.72234 | 2324.97 | 7.72561 | D-VD Silty SAND | 125 | 36 | 301.269 | 549.169 | 583.82 | 0 | 583.82 | 624.69 | 624.69 |
| 6 | 3.72234 | 2880.4 | 8.45313 | D-VD Silty SAND | 125 | 36 | 355.958 | 648.858 | 721.029 | 0 | 721.029 | 773.929 | 773.929 |
| 7 | 3.72234 | 3414.23 | 9.18204 | D-VD Silty SAND | 125 | 36 | 407.933 | 743.601 | 851.431 | 0 | 851.431 | 917.37 | 917.37 |
| 8 | 3.72234 | 3926.33 | 9.91244 | D-VD Silty SAND | 125 | 36 | 457.215 | 833.434 | 975.077 | 0 | 975.077 | 1054.98 | 1054.98 |
| 9 | 3.72234 | 4416.56 | 10.6445 | D-VD Silty SAND | 125 | 36 | 503.824 | 918.395 | 1092.01 | 0 | 1092.01 | 1186.71 | 1186.71 |
| 10 | 3.72234 | 4884.77 | 11.3783 | D-VD Silty SAND | 125 | 36 | 547.776 | 998.514 | 1202.29 | 0 | 1202.29 | 1312.52 | 1312.52 |
| 11 | 3.72234 | 5330.79 | 12.114 | D-VD Silty SAND | 125 | 36 | 589.09 | 1073.82 | 1305.94 | 0 | 1305.94 | 1432.38 | 1432.38 |
| 12 | 3.72234 | 5754.44 | 12.8517 | D-VD Silty SAND | 125 | 36 | 627.781 | 1144.35 | 1403.01 | 0 | 1403.01 | 1546.23 | 1546.23 |
| 13 | 3.72234 | 6155.56 | 13.5916 | D-VD Silty SAND | 125 | 36 | 663.856 | 1210.11 | 1493.53 | 0 | 1493.53 | 1654.03 | 1654.03 |
| 14 | 3.72234 | 6550.71 | 14.3338 | D-VD Silty SAND | 125 | 36 | 698.971 | 1274.12 | 1581.62 | 0 | 1581.62 | 1760.23 | 1760.23 |
| 15 | 3.72234 | 6937.42 | 15.0785 | D-VD Silty SAND | 125 | 36 | 732.88 | 1335.93 | 1666.7 | 0 | 1666.7 | 1864.15 | 1864.15 |
| 16 | 3.72234 | 7300.9 | 15.8258 | D-VD Silty SAND | 125 | 36 | 764.182 | 1392.99 | 1745.23 | 0 | 1745.23 | 1961.85 | 1961.85 |
| 17 | 3.72234 | 7640.91 | 16.5759 | D-VD Silty SAND | 125 | 36 | 792.874 | 1445.29 | 1817.23 | 0 | 1817.23 | 2053.23 | 2053.23 |
| 18 | 3.72234 | 7957.18 | 17.3289 | D-VD Silty SAND | 125 | 36 | 818.97 | 1492.86 | 1882.7 | 0 | 1882.7 | 2138.24 | 2138.24 |
| 19 | 3.72234 | 8249.41 | 18.085 | D-VD Silty SAND | 125 | 36 | 842.477 | 1535.71 | 1941.67 | 0 | 1941.67 | 2216.79 | 2216.79 |
| 20 | 3.72234 | 8517.31 | 18.8444 | D-VD Silty SAND | 125 | 36 | 863.384 | 1573.82 | 1994.13 | 0 | 1994.13 | 2288.8 | 2288.8 |
| 21 | 3.72234 | 8760.55 | 19.6072 | D-VD Silty SAND | 125 | 36 | 881.707 | 1607.22 | 2040.1 | 0 | 2040.1 | 2354.19 | 2354.19 |
| 22 | 3.72234 | 8978.77 | 20.3737 | D-VD Silty SAND | 125 | 36 | 897.441 | 1635.9 | 2079.57 | 0 | 2079.57 | 2412.86 | 2412.86 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | 3.72234 | 9171.62 | 21.144 | D-VD Silty SAND | 125 | 36 | 910.58 | 1659.85 | 2112.54 | 0 | 2112.54 | 2464.71 | 2464.71 |
| 24 | 3.72234 | 9338.71 | 21.9183 | D-VD Silty SAND | 125 | 36 | 921.129 | 1679.08 | 2139 | 0 | 2139 | 2509.63 | 2509.63 |
| 25 | 3.72234 | 9479.61 | 22.6969 | D-VD Silty SAND | 125 | 36 | 929.073 | 1693.56 | 2158.94 | 0 | 2158.94 | 2547.52 | 2547.52 |
| 26 | 3.72234 | 9593.88 | 23.4799 | D-VD Silty SAND | 125 | 36 | 934.421 | 1703.31 | 2172.35 | 0 | 2172.35 | 2578.26 | 2578.26 |
| 27 | 3.72234 | 9681.07 | 24.2676 | D-VD Silty SAND | 125 | 36 | 937.153 | 1708.29 | 2179.22 | 0 | 2179.22 | 2601.72 | 2601.72 |
| 28 | 3.72234 | 9745.73 | 25.0602 | D-VD Silty SAND | 125 | 36 | 937.729 | 1709.34 | 2180.66 | 0 | 2180.66 | 2619.13 | 2619.13 |
| 29 | 3.72234 | 9832.8 | 25.858 | D-VD Silty SAND | 125 | 36 | 940.204 | 1713.85 | 2186.87 | 0 | 2186.87 | 2642.56 | 2642.56 |
| 30 | 3.72234 | 9904.17 | 26.6612 | D-VD Silty SAND | 125 | 36 | 941.142 | 1715.56 | 2189.22 | 0 | 2189.22 | 2661.76 | 2661.76 |
| 31 | 3.72234 | 9946.24 | 27.4701 | D-VD Silty SAND | 125 | 36 | 939.353 | 1712.3 | 2184.73 | 0 | 2184.73 | 2673.1 | 2673.1 |
| 32 | 3.72234 | 9958.38 | 28.2849 | D-VD Silty SAND | 125 | 36 | 934.822 | 1704.04 | 2173.36 | 0 | 2173.36 | 2676.39 | 2676.39 |
| 33 | 3.72234 | 9939.9 | 29.1061 | D-VD Silty SAND | 125 | 36 | 927.531 | 1690.75 | 2155.07 | 0 | 2155.07 | 2671.46 | 2671.46 |
| 34 | 3.72234 | 9890.07 | 29.9338 | D-VD Silty SAND | 125 | 36 | 917.464 | 1672.4 | 2129.81 | 0 | 2129.81 | 2658.1 | 2658.1 |
| 35 | 3.72234 | 9808.11 | 30.7685 | D-VD Silty SAND | 125 | 36 | 904.594 | 1648.94 | 2097.53 | 0 | 2097.53 | 2636.1 | 2636.1 |
| 36 | 3.72234 | 9693.2 | 31.6106 | D-VD Silty SAND | 125 | 36 | 888.905 | 1620.34 | 2058.16 | 0 | 2058.16 | 2605.25 | 2605.25 |
| 37 | 3.72234 | 9544.43 | 32.4603 | D-VD Silty SAND | 125 | 36 | 870.373 | 1586.56 | 2011.66 | 0 | 2011.66 | 2565.3 | 2565.3 |
| 38 | 3.72234 | 9360.86 | 33.3181 | D-VD Silty SAND | 125 | 36 | 848.962 | 1547.53 | 1957.94 | 0 | 1957.94 | 2515.99 | 2515.99 |
| 39 | 3.55014 | 8681.42 | 34.1641 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 876.101 | 1597 | 1852.07 | 0 | 1852.07 | 2446.67 | 2446.67 |
| 40 | 3.55014 | 8362.94 | 34.9986 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 840.316 | 1531.77 | 1768.58 | 0 | 1768.58 | 2356.94 | 2356.94 |
| 41 | 3.55014 | 7871.93 | 35.8416 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 788.94 | 1438.12 | 1648.72 | 0 | 1648.72 | 2218.6 | 2218.6 |
| 42 | 3.55014 | 7063.57 | 36.6936 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 709.082 | 1292.55 | 1462.4 | 0 | 1462.4 | 1990.81 | 1990.81 |
| 43 | 3.55014 | 6208.73 | 37.5553 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 626.017 | 1141.13 | 1268.59 | 0 | 1268.59 | 1749.91 | 1749.91 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44 | 3.55014 | 5314.44 | 38.427 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 540.505 | 985.26 | 1069.08 | 0 | 1069.08 | 1497.9 | 1497.9 |
| 45 | 3.55014 | 4928.74 | 39.3093 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 501.667 | 914.463 | 978.469 | 0 | 978.469 | 1389.21 | 1389.21 |
| 46 | 3.55014 | 5190.18 | 40.203 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 520.692 | 949.143 | 1022.86 | 0 | 1022.86 | 1462.92 | 1462.92 |
| 47 | 3.55014 | 4050.55 | 41.1085 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 416.044 | 758.385 | 778.698 | 0 | 778.698 | 1141.75 | 1141.75 |
| 48 | 3.55014 | 2864.97 | 42.0268 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 309.052 | 563.356 | 529.072 | 0 | 529.072 | 807.606 | 807.606 |
| 49 | 2.73749 | 1324.85 | 42.8505 | New Structural Fill | 100 | 34 | 174.256 | 317.643 | 322.668 | 0 | 322.668 | 484.316 | 484.316 |
| 50 | 2.73749 | 445.663 | 43.5773 | New Structural Fill | 100 | 34 | 85.1754 | 155.262 | 81.9293 | 0 | 81.9293 | 162.976 | 162.976 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.75082

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.12047 | 189.02 | -0.202336 | D-VD Silty SAND | 125 | 36 | 96.6732 | 169.257 | 60.9148 | 0 | 60.9148 | 60.5734 | 60.5734 |
| 2 | 3.12047 | 625.401 | 0.708239 | D-VD Silty SAND | 125 | 36 | 153.777 | 269.235 | 198.522 | 0 | 198.522 | 200.423 | 200.423 |
| 3 | 3.12047 | 1156.32 | 1.61899 | D-VD Silty SAND | 125 | 36 | 222.562 | 389.666 | 364.28 | 0 | 364.28 | 370.571 | 370.571 |
| 4 | 3.12047 | 1670.41 | 2.53016 | D-VD Silty SAND | 125 | 36 | 288.258 | 504.687 | 522.594 | 0 | 522.594 | 535.332 | 535.332 |
| 5 | 3.12047 | 2165.87 | 3.44196 | D-VD Silty SAND | 125 | 36 | 350.686 | 613.988 | 673.035 | 0 | 673.035 | 694.127 | 694.127 |
| 6 | 3.12047 | 2642.66 | 4.35464 | D-VD Silty SAND | 125 | 36 | 409.899 | 717.66 | 815.727 | 0 | 815.727 | 846.94 | 846.94 |
| 7 | 3.12047 | 3100.72 | 5.26843 | D-VD Silty SAND | 125 | 36 | 465.946 | 815.788 | 950.787 | 0 | 950.787 | 993.753 | 993.753 |
| 8 | 3.12047 | 3539.96 | 6.18356 | D-VD Silty SAND | 125 | 36 | 518.871 | 908.449 | 1078.32 | 0 | 1078.32 | 1134.54 | 1134.54 |
| 9 | 3.12047 | 3960.31 | 7.10028 | D-VD Silty SAND | 125 | 36 | 568.714 | 995.716 | 1198.44 | 0 | 1198.44 | 1269.28 | 1269.28 |
| 10 | 3.12047 | 4361.65 | 8.01883 | D-VD Silty SAND | 125 | 36 | 615.513 | 1077.65 | 1311.21 | 0 | 1311.21 | 1397.92 | 1397.92 |
| 11 | 3.12047 | 4743.86 | 8.93946 | D-VD Silty SAND | 125 | 36 | 659.302 | 1154.32 | 1416.73 | 0 | 1416.73 | 1520.44 | 1520.44 |
| 12 | 3.12047 | 5106.8 | 9.86243 | D-VD Silty SAND | 125 | 36 | 700.106 | 1225.76 | 1515.07 | 0 | 1515.07 | 1636.79 | 1636.79 |
| 13 | 3.12047 | 5450.33 | 10.788 | D-VD Silty SAND | 125 | 36 | 737.963 | 1292.04 | 1606.3 | 0 | 1606.3 | 1746.91 | 1746.91 |
| 14 | 3.12047 | 5774.26 | 11.7164 | D-VD Silty SAND | 125 | 36 | 772.895 | 1353.2 | 1690.47 | 0 | 1690.47 | 1850.76 | 1850.76 |
| 15 | 3.12047 | 6080.18 | 12.6479 | D-VD Silty SAND | 125 | 36 | 805.131 | 1409.64 | 1768.16 | 0 | 1768.16 | 1948.84 | 1948.84 |
| 16 | 3.12047 | 6382.43 | 13.5829 | D-VD Silty SAND | 125 | 36 | 836.454 | 1464.48 | 1843.64 | 0 | 1843.64 | 2045.74 | 2045.74 |
| 17 | 3.12047 | 6668.39 | 14.5216 | D-VD Silty SAND | 125 | 36 | 865.355 | 1515.08 | 1913.28 | 0 | 1913.28 | 2137.42 | 2137.42 |
| 18 | 3.12047 | 6933.89 | 15.4642 | D-VD Silty SAND | 125 | 36 | 891.359 | 1560.61 | 1975.95 | 0 | 1975.95 | 2222.55 | 2222.55 |
| 19 | 3.12047 | 7178.64 | 16.4112 | D-VD Silty SAND | 125 | 36 | 914.486 | 1601.1 | 2031.68 | 0 | 2031.68 | 2301.03 | 2301.03 |
| 20 | 3.12047 | 7402.34 | 17.3628 | D-VD Silty SAND | 125 | 36 | 934.745 | 1636.57 | 2080.5 | 0 | 2080.5 | 2372.76 | 2372.76 |
| 21 | 3.12047 | 7604.69 | 18.3194 | D-VD Silty SAND | 125 | 36 | 952.137 | 1667.02 | 2122.4 | 0 | 2122.4 | 2437.65 | 2437.65 |
| 22 | 3.12047 | 7785.32 | 19.2813 | D-VD Silty SAND | 125 | 36 | 966.661 | 1692.45 | 2157.41 | 0 | 2157.41 | 2495.58 | 2495.58 |
| 23 | 3.12047 | 7943.87 | 20.2489 | D-VD Silty SAND | 125 | 36 | 978.33 | 1712.88 | 2185.53 | 0 | 2185.53 | 2546.43 | 2546.43 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 3.12047 | 8079.92 | 21.2225 | D-VD Silty SAND | 125 | 36 | 987.137 | 1728.3 | 2206.75 | 0 | 2206.75 | 2590.08 | 2590.08 |
| 25 | 3.12047 | 8193.04 | 22.2027 | D-VD Silty SAND | 125 | 36 | 993.072 | 1738.69 | 2221.05 | 0 | 2221.05 | 2626.37 | 2626.37 |
| 26 | 3.12047 | 8282.76 | 23.1897 | D-VD Silty SAND | 125 | 36 | 996.133 | 1744.05 | 2228.44 | 0 | 2228.44 | 2655.17 | 2655.17 |
| 27 | 3.12047 | 8348.57 | 24.184 | D-VD Silty SAND | 125 | 36 | 996.316 | 1744.37 | 2228.87 | 0 | 2228.87 | 2676.3 | 2676.3 |
| 28 | 3.12047 | 8389.9 | 25.1862 | D-VD Silty SAND | 125 | 36 | 993.597 | 1739.61 | 2222.32 | 0 | 2222.32 | 2689.58 | 2689.58 |
| 29 | 3.12047 | 8406.16 | 26.1967 | D-VD Silty SAND | 125 | 36 | 987.971 | 1729.76 | 2208.76 | 0 | 2208.76 | 2694.83 | 2694.83 |
| 30 | 3.12047 | 8396.72 | 27.216 | D-VD Silty SAND | 125 | 36 | 979.415 | 1714.78 | 2188.14 | 0 | 2188.14 | 2691.84 | 2691.84 |
| 31 | 3.12047 | 8360.85 | 28.2448 | D-VD Silty SAND | 125 | 36 | 967.906 | 1694.63 | 2160.41 | 0 | 2160.41 | 2680.37 | 2680.37 |
| 32 | 3.12047 | 8297.81 | 29.2835 | D-VD Silty SAND | 125 | 36 | 953.428 | 1669.28 | 2125.52 | 0 | 2125.52 | 2660.2 | 2660.2 |
| 33 | 3.12047 | 8227.32 | 30.333 | D-VD Silty SAND | 125 | 36 | 938.149 | 1642.53 | 2088.7 | 0 | 2088.7 | 2637.64 | 2637.64 |
| 34 | 3.12047 | 8155.45 | 31.3938 | D-VD Silty SAND | 125 | 36 | 922.728 | 1615.53 | 2051.54 | 0 | 2051.54 | 2614.63 | 2614.63 |
| 35 | 3.12047 | 8053.84 | 32.4668 | D-VD Silty SAND | 125 | 36 | 904.171 | 1583.04 | 2006.82 | 0 | 2006.82 | 2582.1 | 2582.1 |
| 36 | 3.12047 | 7921.31 | 33.5527 | D-VD Silty SAND | 125 | 36 | 882.421 | 1544.96 | 1954.41 | 0 | 1954.41 | 2539.64 | 2539.64 |
| 37 | 3.12047 | 7756.66 | 34.6524 | D-VD Silty SAND | 125 | 36 | 857.444 | 1501.23 | 1894.22 | 0 | 1894.22 | 2486.89 | 2486.89 |
| 38 | 3.12047 | 7558.64 | 35.767 | D-VD Silty SAND | 125 | 36 | 829.194 | 1451.77 | 1826.14 | 0 | 1826.14 | 2423.45 | 2423.45 |
| 39 | 3.12047 | 7325.83 | 36.8974 | D-VD Silty SAND | 125 | 36 | 797.609 | 1396.47 | 1750.03 | 0 | 1750.03 | 2348.84 | 2348.84 |
| 40 | 3.12047 | 7056.67 | 38.0447 | D-VD Silty SAND | 125 | 36 | 762.648 | 1335.26 | 1665.78 | 0 | 1665.78 | 2262.58 | 2262.58 |
| 41 | 3.12047 | 6749.47 | 39.2104 | D-VD Silty SAND | 125 | 36 | 724.243 | 1268.02 | 1573.23 | 0 | 1573.23 | 2164.12 | 2164.12 |
| 42 | 3.12047 | 6402.3 | 40.3958 | D-VD Silty SAND | 125 | 36 | 682.332 | 1194.64 | 1472.23 | 0 | 1472.23 | 2052.85 | 2052.85 |
| 43 | 3.01362 | 5774.02 | 41.5814 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 674.233 | 1180.46 | 1318.93 | 0 | 1318.93 | 1917.15 | 1917.15 |
| 44 | 3.01362 | 5288.69 | 42.7681 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 615.313 | 1077.3 | 1186.89 | 0 | 1186.89 | 1756.04 | 1756.04 |
| 45 | 3.01362 | 4757.5 | 43.9781 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 552.638 | 967.57 | 1046.44 | 0 | 1046.44 | 1579.71 | 1579.71 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | 3.01362 | 4177.62 | 45.2132 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 486.142 | 851.148 | 897.429 | 0 | 897.429 | 1387.2 | 1387.2 |
| 47 | 3.01362 | 3545.81 | 46.4758 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 415.759 | 727.92 | 739.704 | 0 | 739.704 | 1177.45 | 1177.45 |
| 48 | 3.01362 | 2745.45 | 47.7684 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 330.2 | 578.12 | 547.967 | 0 | 547.967 | 911.724 | 911.724 |
| 49 | 3.01362 | 1694.66 | 49.0941 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 222.326 | 389.252 | 306.228 | 0 | 306.228 | 562.834 | 562.834 |
| 50 | 3.01362 | 576.105 | 50.4561 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 111.067 | 194.459 | 56.9049 | 0 | 56.9049 | 191.43 | 191.43 |

## Cross Section EE-EE' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 1.12169

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.68594 | 192.523 | 4.79157 | D-VD Silty SAND | 125 | 36 | 137.794 | 154.562 | 40.6881 | 0 | 40.6881 | 52.2386 | 52.2386 |
| 2 | 3.68594 | 567.418 | 5.49939 | D-VD Silty SAND | 125 | 36 | 198.762 | 222.949 | 134.816 | 0 | 134.816 | 153.952 | 153.952 |
| 3 | 3.68594 | 956.836 | 6.20805 | D-VD Silty SAND | 125 | 36 | 261.19 | 292.974 | 231.196 | 0 | 231.196 | 259.607 | 259.607 |
| 4 | 3.68594 | 1516.68 | 6.91767 | D-VD Silty SAND | 125 | 36 | 350.438 | 393.083 | 368.985 | 0 | 368.985 | 411.502 | 411.502 |
| 5 | 3.68594 | 2084.95 | 7.62835 | D-VD Silty SAND | 125 | 36 | 439.701 | 493.208 | 506.793 | 0 | 506.793 | 565.684 | 565.684 |
| 6 | 3.68594 | 2632.62 | 8.34022 | D-VD Silty SAND | 125 | 36 | 524.306 | 588.109 | 637.413 | 0 | 637.413 | 714.277 | 714.277 |
| 7 | 3.68594 | 3159.58 | 9.05338 | D-VD Silty SAND | 125 | 36 | 604.329 | 677.87 | 760.961 | 0 | 760.961 | 857.255 | 857.255 |
| 8 | 3.68594 | 3665.71 | 9.76796 | D-VD Silty SAND | 125 | 36 | 679.841 | 762.571 | 877.542 | 0 | 877.542 | 994.58 | 994.58 |
| 9 | 3.68594 | 4150.88 | 10.4841 | D-VD Silty SAND | 125 | 36 | 750.909 | 842.287 | 987.262 | 0 | 987.262 | 1126.22 | 1126.22 |
| 10 | 3.68594 | 4614.95 | 11.2019 | D-VD Silty SAND | 125 | 36 | 817.596 | 917.089 | 1090.22 | 0 | 1090.22 | 1252.13 | 1252.13 |
| 11 | 3.68594 | 5057.76 | 11.9214 | D-VD Silty SAND | 125 | 36 | 879.962 | 987.045 | 1186.5 | 0 | 1186.5 | 1372.28 | 1372.28 |
| 12 | 3.68594 | 5479.16 | 12.6429 | D-VD Silty SAND | 125 | 36 | 938.063 | 1052.22 | 1276.2 | 0 | 1276.2 | 1486.62 | 1486.62 |
| 13 | 3.68594 | 5878.96 | 13.3664 | D-VD Silty SAND | 125 | 36 | 991.952 | 1112.66 | 1359.4 | 0 | 1359.4 | 1595.11 | 1595.11 |
| 14 | 3.68594 | 6257.23 | 14.0921 | D-VD Silty SAND | 125 | 36 | 1041.72 | 1168.49 | 1436.24 | 0 | 1436.24 | 1697.75 | 1697.75 |
| 15 | 3.68594 | 6632.34 | 14.8202 | D-VD Silty SAND | 125 | 36 | 1090.19 | 1222.86 | 1511.07 | 0 | 1511.07 | 1799.53 | 1799.53 |
| 16 | 3.68594 | 6996.91 | 15.5506 | D-VD Silty SAND | 125 | 36 | 1136.29 | 1274.57 | 1582.25 | 0 | 1582.25 | 1898.45 | 1898.45 |
| 17 | 3.68594 | 7339.05 | 16.2837 | D-VD Silty SAND | 125 | 36 | 1178.29 | 1321.68 | 1647.09 | 0 | 1647.09 | 1991.29 | 1991.29 |
| 18 | 3.68594 | 7658.5 | 17.0195 | D-VD Silty SAND | 125 | 36 | 1216.25 | 1364.25 | 1705.68 | 0 | 1705.68 | 2077.98 | 2077.98 |
| 19 | 3.68594 | 7955 | 17.7583 | D-VD Silty SAND | 125 | 36 | 1250.17 | 1402.3 | 1758.05 | 0 | 1758.05 | 2158.43 | 2158.43 |
| 20 | 3.68594 | 8228.28 | 18.5001 | D-VD Silty SAND | 125 | 36 | 1280.1 | 1435.88 | 1804.27 | 0 | 1804.27 | 2232.59 | 2232.59 |
| 21 | 3.68594 | 8478.03 | 19.2451 | D-VD Silty SAND | 125 | 36 | 1306.08 | 1465.02 | 1844.38 | 0 | 1844.38 | 2300.36 | 2300.36 |
| 22 | 3.68594 | 8703.95 | 19.9935 | D-VD Silty SAND | 125 | 36 | 1328.14 | 1489.76 | 1878.44 | 0 | 1878.44 | 2361.67 | 2361.67 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | 3.68594 | 8905.69 | 20.7455 | D-VD Silty SAND | 125 | 36 | 1346.3 | 1510.13 | 1906.47 | 0 | 1906.47 | 2416.42 | 2416.42 |
| 24 | 3.68594 | 9082.9 | 21.5012 | D-VD Silty SAND | 125 | 36 | 1360.59 | 1526.16 | 1928.53 | 0 | 1928.53 | 2464.51 | 2464.51 |
| 25 | 3.68594 | 9235.19 | 22.2609 | D-VD Silty SAND | 125 | 36 | 1371.02 | 1537.86 | 1944.64 | 0 | 1944.64 | 2505.84 | 2505.84 |
| 26 | 3.68594 | 9362.18 | 23.0248 | D-VD Silty SAND | 125 | 36 | 1377.63 | 1545.27 | 1954.84 | 0 | 1954.84 | 2540.31 | 2540.31 |
| 27 | 3.68594 | 9463.43 | 23.793 | D-VD Silty SAND | 125 | 36 | 1380.43 | 1548.41 | 1959.15 | 0 | 1959.15 | 2567.79 | 2567.79 |
| 28 | 3.68594 | 9538.49 | 24.5658 | D-VD Silty SAND | 125 | 36 | 1379.43 | 1547.29 | 1957.61 | 0 | 1957.61 | 2588.17 | 2588.17 |
| 29 | 3.68594 | 9590.58 | 25.3433 | D-VD Silty SAND | 125 | 36 | 1375.15 | 1542.49 | 1951.01 | 0 | 1951.01 | 2602.31 | 2602.31 |
| 30 | 3.68594 | 9664.04 | 26.1259 | D-VD Silty SAND | 125 | 36 | 1373.57 | 1540.72 | 1948.57 | 0 | 1948.57 | 2622.25 | 2622.25 |
| 31 | 3.68594 | 9724.79 | 26.9138 | D-VD Silty SAND | 125 | 36 | 1370.11 | 1536.84 | 1943.23 | 0 | 1943.23 | 2638.74 | 2638.74 |
| 32 | 3.68594 | 9757.23 | 27.7072 | D-VD Silty SAND | 125 | 36 | 1362.76 | 1528.59 | 1931.88 | 0 | 1931.88 | 2647.56 | 2647.56 |
| 33 | 3.68594 | 9760.76 | 28.5065 | D-VD Silty SAND | 125 | 36 | 1351.51 | 1515.98 | 1914.52 | 0 | 1914.52 | 2648.53 | 2648.53 |
| 34 | 3.68594 | 9734.73 | 29.3118 | D-VD Silty SAND | 125 | 36 | 1336.39 | 1499.01 | 1891.17 | 0 | 1891.17 | 2641.47 | 2641.47 |
| 35 | 3.68594 | 9678.43 | 30.1235 | D-VD Silty SAND | 125 | 36 | 1317.38 | 1477.69 | 1861.82 | 0 | 1861.82 | 2626.2 | 2626.2 |
| 36 | 3.68594 | 9591.12 | 30.942 | D-VD Silty SAND | 125 | 36 | 1294.5 | 1452.03 | 1826.5 | 0 | 1826.5 | 2602.53 | 2602.53 |
| 37 | 3.68594 | 9472 | 31.7676 | D-VD Silty SAND | 125 | 36 | 1267.74 | 1422.01 | 1785.18 | 0 | 1785.18 | 2570.22 | 2570.22 |
| 38 | 3.68594 | 9320.24 | 32.6005 | D-VD Silty SAND | 125 | 36 | 1237.1 | 1387.64 | 1737.87 | 0 | 1737.87 | 2529.05 | 2529.05 |
| 39 | 3.68594 | 9134.91 | 33.4413 | D-VD Silty SAND | 125 | 36 | 1202.57 | 1348.91 | 1684.57 | 0 | 1684.57 | 2478.77 | 2478.77 |
| 40 | 3.53651 | 8515.97 | 34.273 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1228.29 | 1377.76 | 1571.46 | 0 | 1571.46 | 2408.5 | 2408.5 |
| 41 | 3.53651 | 8195.62 | 35.0956 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1173.73 | 1316.56 | 1493.13 | 0 | 1493.13 | 2317.9 | 2317.9 |
| 42 | 3.53651 | 7756.08 | 35.9265 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1104.3 | 1238.68 | 1393.45 | 0 | 1393.45 | 2193.61 | 2193.61 |
| 43 | 3.53651 | 6970.9 | 36.7663 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 991.141 | 1111.75 | 1230.99 | 0 | 1230.99 | 1971.55 | 1971.55 |
| 44 | 3.53651 | 6119.64 | 37.6154 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 871.529 | 977.585 | 1059.26 | 0 | 1059.26 | 1730.8 | 1730.8 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 | 3.53651 | 5229.74 | 38.4744 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 749.245 | 840.421 | 883.699 | 0 | 883.699 | 1479.13 | 1479.13 |
| 46 | 3.53651 | 4499.47 | 39.3436 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 649.351 | 728.371 | 740.282 | 0 | 740.282 | 1272.6 | 1272.6 |
| 47 | 3.53651 | 5132.24 | 40.2239 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 720.391 | 808.055 | 842.273 | 0 | 842.273 | 1451.56 | 1451.56 |
| 48 | 3.53651 | 4000.8 | 41.1157 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 573.335 | 643.104 | 631.144 | 0 | 631.144 | 1131.57 | 1131.57 |
| 49 | 3.53651 | 2824.3 | 42.0198 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 424.022 | 475.621 | 416.776 | 0 | 416.776 | 798.832 | 798.832 |
| 50 | 5.53818 | 1789.57 | 43.2015 | New Structural Fill | 100 | 34 | 181.196 | 203.246 | 153.068 | 0 | 153.068 | 323.232 | 323.232 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.07536

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.70022 | 285.718 | -1.59246 | D-VD Silty SAND | 125 | 36 | 171.643 | 184.577 | 82.0012 | 0 | 82.0012 | 77.2294 | 77.2294 |
| 2 | 3.70022 | 843.875 | -0.666735 | D-VD Silty SAND | 125 | 36 | 272.472 | 293.006 | 231.24 | 0 | 231.24 | 228.069 | 228.069 |
| 3 | 3.70022 | 1378.71 | 0.258812 | D-VD Silty SAND | 125 | 36 | 366.858 | 394.504 | 370.942 | 0 | 370.942 | 372.599 | 372.599 |
| 4 | 3.70022 | 2049.56 | 1.18443 | D-VD Silty SAND | 125 | 36 | 483.697 | 520.148 | 543.876 | 0 | 543.876 | 553.876 | 553.876 |
| 5 | 3.70022 | 2784.69 | 2.11035 | D-VD Silty SAND | 125 | 36 | 609.483 | 655.414 | 730.053 | 0 | 730.053 | 752.512 | 752.512 |
| 6 | 3.70022 | 3493.21 | 3.03683 | D-VD Silty SAND | 125 | 36 | 727.907 | 782.762 | 905.332 | 0 | 905.332 | 943.949 | 943.949 |
| 7 | 3.70022 | 4175.08 | 3.9641 | D-VD Silty SAND | 125 | 36 | 839.175 | 902.415 | 1070.02 | 0 | 1070.02 | 1128.17 | 1128.17 |
| 8 | 3.70022 | 4830.22 | 4.89241 | D-VD Silty SAND | 125 | 36 | 943.48 | 1014.58 | 1224.4 | 0 | 1224.4 | 1305.16 | 1305.16 |
| 9 | 3.70022 | 5458.51 | 5.82201 | D-VD Silty SAND | 125 | 36 | 1041 | 1119.45 | 1368.75 | 0 | 1368.75 | 1474.89 | 1474.89 |
| 10 | 3.70022 | 6059.85 | 6.75316 | D-VD Silty SAND | 125 | 36 | 1131.91 | 1217.21 | 1503.3 | 0 | 1503.3 | 1637.33 | 1637.33 |
| 11 | 3.70022 | 6634.09 | 7.68609 | D-VD Silty SAND | 125 | 36 | 1216.35 | 1308.01 | 1628.28 | 0 | 1628.28 | 1792.44 | 1792.44 |
| 12 | 3.70022 | 7181.05 | 8.62109 | D-VD Silty SAND | 125 | 36 | 1294.47 | 1392.02 | 1743.91 | 0 | 1743.91 | 1940.17 | 1940.17 |
| 13 | 3.70022 | 7700.55 | 9.5584 | D-VD Silty SAND | 125 | 36 | 1366.41 | 1469.38 | 1850.38 | 0 | 1850.38 | 2080.47 | 2080.47 |
| 14 | 3.70022 | 8192.36 | 10.4983 | D-VD Silty SAND | 125 | 36 | 1432.27 | 1540.21 | 1947.87 | 0 | 1947.87 | 2213.29 | 2213.29 |
| 15 | 3.70022 | 8666.37 | 11.4411 | D-VD Silty SAND | 125 | 36 | 1493.83 | 1606.4 | 2038.97 | 0 | 2038.97 | 2341.29 | 2341.29 |
| 16 | 3.70022 | 9132.48 | 12.387 | D-VD Silty SAND | 125 | 36 | 1552.72 | 1669.73 | 2126.13 | 0 | 2126.13 | 2467.15 | 2467.15 |
| 17 | 3.70022 | 9570.68 | 13.3364 | D-VD Silty SAND | 125 | 36 | 1605.85 | 1726.87 | 2204.78 | 0 | 2204.78 | 2585.46 | 2585.46 |
| 18 | 3.70022 | 9980.07 | 14.2895 | D-VD Silty SAND | 125 | 36 | 1653.23 | 1777.82 | 2274.91 | 0 | 2274.91 | 2695.99 | 2695.99 |
| 19 | 3.70022 | 10360.3 | 15.2466 | D-VD Silty SAND | 125 | 36 | 1694.94 | 1822.67 | 2336.65 | 0 | 2336.65 | 2798.63 | 2798.63 |
| 20 | 3.70022 | 10710.9 | 16.2082 | D-VD Silty SAND | 125 | 36 | 1731.06 | 1861.51 | 2390.1 | 0 | 2390.1 | 2893.29 | 2893.29 |
| 21 | 3.70022 | 11031.6 | 17.1745 | D-VD Silty SAND | 125 | 36 | 1761.64 | 1894.4 | 2435.38 | 0 | 2435.38 | 2979.83 | 2979.83 |
| 22 | 3.70022 | 11321.8 | 18.1458 | D-VD Silty SAND | 125 | 36 | 1786.78 | 1921.43 | 2472.57 | 0 | 2472.57 | 3058.16 | 3058.16 |
| 23 | 3.70022 | 11581.1 | 19.1225 | D-VD Silty SAND | 125 | 36 | 1806.5 | 1942.64 | 2501.77 | 0 | 2501.77 | 3128.12 | 3128.12 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 3.70022 | 11809 | 20.1051 | D-VD Silty SAND | 125 | 36 | 1820.88 | 1958.1 | 2523.05 | 0 | 2523.05 | 3189.58 | 3189.58 |
| 25 | 3.70022 | 12004.7 | 21.0939 | D-VD Silty SAND | 125 | 36 | 1829.95 | 1967.86 | 2536.48 | 0 | 2536.48 | 3242.37 | 3242.37 |
| 26 | 3.70022 | 12167.8 | 22.0893 | D-VD Silty SAND | 125 | 36 | 1833.78 | 1971.97 | 2542.13 | 0 | 2542.13 | 3286.35 | 3286.35 |
| 27 | 3.70022 | 12297.5 | 23.0918 | D-VD Silty SAND | 125 | 36 | 1832.36 | 1970.45 | 2540.05 | 0 | 2540.05 | 3321.31 | 3321.31 |
| 28 | 3.70022 | 12393.1 | 24.1018 | D-VD Silty SAND | 125 | 36 | 1825.76 | 1963.35 | 2530.26 | 0 | 2530.26 | 3347.03 | 3347.03 |
| 29 | 3.70022 | 12454 | 25.1198 | D-VD Silty SAND | 125 | 36 | 1814.02 | 1950.72 | 2512.88 | 0 | 2512.88 | 3363.4 | 3363.4 |
| 30 | 3.70022 | 12517.3 | 26.1464 | D-VD Silty SAND | 125 | 36 | 1802.35 | 1938.18 | 2495.62 | 0 | 2495.62 | 3380.39 | 3380.39 |
| 31 | 3.70022 | 12573.3 | 27.1821 | D-VD Silty SAND | 125 | 36 | 1789.43 | 1924.28 | 2476.5 | 0 | 2476.5 | 3395.44 | 3395.44 |
| 32 | 3.70022 | 12591.6 | 28.2276 | D-VD Silty SAND | 125 | 36 | 1771.18 | 1904.66 | 2449.51 | 0 | 2449.51 | 3400.3 | 3400.3 |
| 33 | 3.70022 | 12571 | 29.2833 | D-VD Silty SAND | 125 | 36 | 1747.62 | 1879.32 | 2414.61 | 0 | 2414.61 | 3394.66 | 3394.66 |
| 34 | 3.70022 | 12510.5 | 30.3502 | D-VD Silty SAND | 125 | 36 | 1718.74 | 1848.26 | 2371.86 | 0 | 2371.86 | 3378.23 | 3378.23 |
| 35 | 3.70022 | 12408.6 | 31.4287 | D-VD Silty SAND | 125 | 36 | 1684.52 | 1811.47 | 2321.22 | 0 | 2321.22 | 3350.62 | 3350.62 |
| 36 | 3.70022 | 12264 | 32.5198 | D-VD Silty SAND | 125 | 36 | 1644.99 | 1768.96 | 2262.72 | 0 | 2262.72 | 3311.49 | 3311.49 |
| 37 | 3.70022 | 12075.1 | 33.6244 | D-VD Silty SAND | 125 | 36 | 1600.12 | 1720.7 | 2196.3 | 0 | 2196.3 | 3260.39 | 3260.39 |
| 38 | 3.70022 | 11840.1 | 34.7433 | D-VD Silty SAND | 125 | 36 | 1549.89 | 1666.69 | 2121.95 | 0 | 2121.95 | 3196.88 | 3196.88 |
| 39 | 3.70022 | 11557.4 | 35.8776 | D-VD Silty SAND | 125 | 36 | 1494.28 | 1606.89 | 2039.65 | 0 | 2039.65 | 3120.44 | 3120.44 |
| 40 | 3.70022 | 11224.6 | 37.0283 | D-VD Silty SAND | 125 | 36 | 1433.28 | 1541.29 | 1949.36 | 0 | 1949.36 | 3030.52 | 3030.52 |
| 41 | 3.70022 | 10839.7 | 38.1968 | D-VD Silty SAND | 125 | 36 | 1366.84 | 1469.85 | 1851.03 | 0 | 1851.03 | 2926.51 | 2926.51 |
| 42 | 3.62354 | 10079.9 | 39.3719 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1352.17 | 1454.07 | 1669.13 | 0 | 1669.13 | 2778.71 | 2778.71 |
| 43 | 3.62354 | 9105.82 | 40.5545 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1210.54 | 1301.77 | 1474.2 | 0 | 1474.2 | 2510.1 | 2510.1 |
| 44 | 3.62354 | 8015.15 | 41.7585 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 1058.24 | 1137.99 | 1264.57 | 0 | 1264.57 | 2209.36 | 2209.36 |
| 45 | 3.62354 | 6859.36 | 42.9855 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 902.198 | 970.188 | 1049.79 | 0 | 1049.79 | 1890.68 | 1890.68 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | 3.62354 | 5799.83 | 44.2375 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 761.891 | 819.307 | 856.673 | 0 | 856.673 | 1598.55 | 1598.55 |
| 47 | 3.62354 | 6185.05 | 45.5167 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 792.063 | 851.753 | 898.202 | 0 | 898.202 | 1704.68 | 1704.68 |
| 48 | 3.62354 | 4685.39 | 46.8258 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 607.328 | 653.096 | 643.933 | 0 | 643.933 | 1291.25 | 1291.25 |
| 49 | 3.62354 | 3101.08 | 48.1676 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 419.685 | 451.312 | 385.662 | 0 | 385.662 | 854.519 | 854.519 |
| 50 | 4.39787 | 1418.33 | 49.6974 | New Structural Fill | 100 | 34 | 169.546 | 182.323 | 122.049 | 0 | 122.049 | 321.952 | 321.952 |

## Cross Section FF-FF' - Master Scenario

### Global Minimum Query (bishop simplified) - Safety Factor: 1.95254

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.92149 | 142.306 | 3.8299 | D-VD Silty SAND | 125 | 36 | 80.1522 | 156.5 | 43.3565 | 0 | 43.3565 | 48.7222 | 48.7222 |
| 2 | 2.92149 | 420.475 | 4.54676 | D-VD Silty SAND | 125 | 36 | 114.202 | 222.984 | 134.864 | 0 | 134.864 | 143.946 | 143.946 |
| 3 | 2.92149 | 691.259 | 5.26434 | D-VD Silty SAND | 125 | 36 | 147.033 | 287.088 | 223.095 | 0 | 223.095 | 236.643 | 236.643 |
| 4 | 2.92149 | 1016.02 | 5.98274 | D-VD Silty SAND | 125 | 36 | 186.182 | 363.528 | 328.306 | 0 | 328.306 | 347.817 | 347.817 |
| 5 | 2.92149 | 1347.48 | 6.70209 | D-VD Silty SAND | 125 | 36 | 225.793 | 440.87 | 434.758 | 0 | 434.758 | 461.291 | 461.291 |
| 6 | 2.92149 | 1665.89 | 7.42251 | D-VD Silty SAND | 125 | 36 | 263.457 | 514.41 | 535.976 | 0 | 535.976 | 570.299 | 570.299 |
| 7 | 2.92149 | 1971.2 | 8.1441 | D-VD Silty SAND | 125 | 36 | 299.189 | 584.179 | 632.007 | 0 | 632.007 | 674.823 | 674.823 |
| 8 | 2.92149 | 2263.33 | 8.867 | D-VD Silty SAND | 125 | 36 | 333.006 | 650.208 | 722.887 | 0 | 722.887 | 774.838 | 774.838 |
| 9 | 2.92149 | 2542.21 | 9.59133 | D-VD Silty SAND | 125 | 36 | 364.92 | 712.521 | 808.652 | 0 | 808.652 | 870.317 | 870.317 |
| 10 | 2.92149 | 2807.76 | 10.3172 | D-VD Silty SAND | 125 | 36 | 394.944 | 771.143 | 889.338 | 0 | 889.338 | 961.234 | 961.234 |
| 11 | 2.92149 | 3064 | 11.0448 | D-VD Silty SAND | 125 | 36 | 423.576 | 827.05 | 966.287 | 0 | 966.287 | 1048.97 | 1048.97 |
| 12 | 2.92149 | 3334.19 | 11.7741 | D-VD Silty SAND | 125 | 36 | 453.585 | 885.642 | 1046.93 | 0 | 1046.93 | 1141.48 | 1141.48 |
| 13 | 2.92149 | 3595.85 | 12.5054 | D-VD Silty SAND | 125 | 36 | 482.298 | 941.706 | 1124.1 | 0 | 1124.1 | 1231.07 | 1231.07 |
| 14 | 2.92149 | 3843.77 | 13.2388 | D-VD Silty SAND | 125 | 36 | 509.12 | 994.078 | 1196.18 | 0 | 1196.18 | 1315.96 | 1315.96 |
| 15 | 2.92149 | 4077.83 | 13.9744 | D-VD Silty SAND | 125 | 36 | 534.059 | 1042.77 | 1263.2 | 0 | 1263.2 | 1396.11 | 1396.11 |
| 16 | 2.92149 | 4297.91 | 14.7124 | D-VD Silty SAND | 125 | 36 | 557.121 | 1087.8 | 1325.18 | 0 | 1325.18 | 1471.47 | 1471.47 |
| 17 | 2.92149 | 4503.86 | 15.4528 | D-VD Silty SAND | 125 | 36 | 578.308 | 1129.17 | 1382.13 | 0 | 1382.13 | 1541.99 | 1541.99 |
| 18 | 2.92149 | 4695.53 | 16.1959 | D-VD Silty SAND | 125 | 36 | 597.632 | 1166.9 | 1434.05 | 0 | 1434.05 | 1607.63 | 1607.63 |
| 19 | 2.92149 | 4872.78 | 16.9418 | D-VD Silty SAND | 125 | 36 | 615.086 | 1200.98 | 1480.97 | 0 | 1480.97 | 1668.33 | 1668.33 |
| 20 | 2.92149 | 5035.42 | 17.6907 | D-VD Silty SAND | 125 | 36 | 630.681 | 1231.43 | 1522.87 | 0 | 1522.87 | 1724.03 | 1724.03 |
| 21 | 2.92149 | 5183.28 | 18.4428 | D-VD Silty SAND | 125 | 36 | 644.412 | 1258.24 | 1559.77 | 0 | 1559.77 | 1774.68 | 1774.68 |
| 22 | 2.92149 | 5316.16 | 19.1981 | D-VD Silty SAND | 125 | 36 | 656.284 | 1281.42 | 1591.68 | 0 | 1591.68 | 1820.19 | 1820.19 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | 2.92149 | 5433.87 | 19.9569 | D-VD Silty SAND | 125 | 36 | 666.291 | 1300.96 | 1618.57 | 0 | 1618.57 | 1860.51 | 1860.51 |
| 24 | 2.92149 | 5536.19 | 20.7194 | D-VD Silty SAND | 125 | 36 | 674.434 | 1316.86 | 1640.46 | 0 | 1640.46 | 1895.57 | 1895.57 |
| 25 | 2.92149 | 5622.89 | 21.4858 | D-VD Silty SAND | 125 | 36 | 680.713 | 1329.12 | 1657.33 | 0 | 1657.33 | 1925.27 | 1925.27 |
| 26 | 2.92149 | 5693.72 | 22.2562 | D-VD Silty SAND | 125 | 36 | 685.118 | 1337.72 | 1669.17 | 0 | 1669.17 | 1949.55 | 1949.55 |
| 27 | 2.92149 | 5748.43 | 23.0308 | D-VD Silty SAND | 125 | 36 | 687.648 | 1342.66 | 1675.97 | 0 | 1675.97 | 1968.3 | 1968.3 |
| 28 | 2.92149 | 5786.74 | 23.81 | D-VD Silty SAND | 125 | 36 | 688.298 | 1343.93 | 1677.72 | 0 | 1677.72 | 1981.44 | 1981.44 |
| 29 | 2.92149 | 5808.36 | 24.5938 | D-VD Silty SAND | 125 | 36 | 687.059 | 1341.51 | 1674.39 | 0 | 1674.39 | 1988.86 | 1988.86 |
| 30 | 2.92149 | 5812.97 | 25.3826 | D-VD Silty SAND | 125 | 36 | 683.925 | 1335.39 | 1665.96 | 0 | 1665.96 | 1990.46 | 1990.46 |
| 31 | 2.92149 | 5814.23 | 26.1766 | D-VD Silty SAND | 125 | 36 | 680.391 | 1328.49 | 1656.47 | 0 | 1656.47 | 1990.92 | 1990.92 |
| 32 | 2.92149 | 5823.44 | 26.9761 | D-VD Silty SAND | 125 | 36 | 677.671 | 1323.18 | 1649.16 | 0 | 1649.16 | 1994.09 | 1994.09 |
| 33 | 2.92149 | 5815.13 | 27.7812 | D-VD Silty SAND | 125 | 36 | 673.036 | 1314.13 | 1636.7 | 0 | 1636.7 | 1991.27 | 1991.27 |
| 34 | 2.92149 | 5788.37 | 28.5924 | D-VD Silty SAND | 125 | 36 | 666.414 | 1301.2 | 1618.9 | 0 | 1618.9 | 1982.13 | 1982.13 |
| 35 | 2.92149 | 5742.73 | 29.4098 | D-VD Silty SAND | 125 | 36 | 657.789 | 1284.36 | 1595.73 | 0 | 1595.73 | 1966.52 | 1966.52 |
| 36 | 2.92149 | 5677.74 | 30.2339 | D-VD Silty SAND | 125 | 36 | 647.152 | 1263.59 | 1567.13 | 0 | 1567.13 | 1944.3 | 1944.3 |
| 37 | 2.92149 | 5592.94 | 31.065 | D-VD Silty SAND | 125 | 36 | 634.476 | 1238.84 | 1533.07 | 0 | 1533.07 | 1915.28 | 1915.28 |
| 38 | 2.92149 | 5487.79 | 31.9034 | D-VD Silty SAND | 125 | 36 | 619.747 | 1210.08 | 1493.49 | 0 | 1493.49 | 1879.29 | 1879.29 |
| 39 | 2.92149 | 5361.75 | 32.7495 | D-VD Silty SAND | 125 | 36 | 602.948 | 1177.28 | 1448.34 | 0 | 1448.34 | 1836.16 | 1836.16 |
| 40 | 2.92149 | 5211.36 | 33.6037 | D-VD Silty SAND | 125 | 36 | 583.763 | 1139.82 | 1396.78 | 0 | 1396.78 | 1784.68 | 1784.68 |
| 41 | 2.98562 | 5086.41 | 34.476 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 595.312 | 1162.37 | 1295.78 | 0 | 1295.78 | 1704.56 | 1704.56 |
| 42 | 2.98562 | 4781.12 | 35.3672 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 559.147 | 1091.76 | 1205.4 | 0 | 1205.4 | 1602.28 | 1602.28 |
| 43 | 2.98562 | 4448.56 | 36.2683 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 520.546 | 1016.39 | 1108.92 | 0 | 1108.92 | 1490.86 | 1490.86 |
| 44 | 2.98562 | 4087.8 | 37.1799 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 479.483 | 936.21 | 1006.3 | 0 | 1006.3 | 1369.98 | 1369.98 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 | 2.98562 | 3697.8 | 38.1026 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 435.932 | 851.175 | 897.465 | 0 | 897.465 | 1239.31 | 1239.31 |
| 46 | 2.98562 | 3277.46 | 39.0372 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 389.866 | 761.229 | 782.339 | 0 | 782.339 | 1098.47 | 1098.47 |
| 47 | 2.98562 | 2825.57 | 39.9843 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 341.255 | 666.314 | 660.853 | 0 | 660.853 | 947.041 | 947.041 |
| 48 | 2.98562 | 2259.09 | 40.9447 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 281.935 | 550.49 | 512.603 | 0 | 512.603 | 757.208 | 757.208 |
| 49 | 2.98562 | 1392.9 | 41.9193 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 193.972 | 378.738 | 292.77 | 0 | 292.77 | 466.929 | 466.929 |
| 50 | 2.98562 | 470.421 | 42.909 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 102.012 | 199.183 | 62.9511 | 0 | 62.9511 | 157.777 | 157.777 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.86934

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.8418 | 185.907 | -2.22438 | D-VD Silty SAND | 125 | 36 | 93.7093 | 175.175 | 69.0594 | 0 | 69.0594 | 65.4195 | 65.4195 |
| 2 | 2.8418 | 549.856 | -1.29522 | D-VD Silty SAND | 125 | 36 | 143.33 | 267.933 | 196.73 | 0 | 196.73 | 193.489 | 193.489 |
| 3 | 2.8418 | 905.877 | -0.366397 | D-VD Silty SAND | 125 | 36 | 191.238 | 357.488 | 319.992 | 0 | 319.992 | 318.769 | 318.769 |
| 4 | 2.8418 | 1311.05 | 0.562328 | D-VD Silty SAND | 125 | 36 | 245.241 | 458.438 | 458.937 | 0 | 458.937 | 461.344 | 461.344 |
| 5 | 2.8418 | 1715.03 | 1.4912 | D-VD Silty SAND | 125 | 36 | 298.407 | 557.824 | 595.73 | 0 | 595.73 | 603.498 | 603.498 |
| 6 | 2.8418 | 2103.28 | 2.42047 | D-VD Silty SAND | 125 | 36 | 348.795 | 652.017 | 725.378 | 0 | 725.378 | 740.121 | 740.121 |
| 7 | 2.8418 | 2475.78 | 3.35037 | D-VD Silty SAND | 125 | 36 | 396.45 | 741.099 | 847.988 | 0 | 847.988 | 871.197 | 871.197 |
| 8 | 2.8418 | 2832.49 | 4.28116 | D-VD Silty SAND | 125 | 36 | 441.412 | 825.149 | 963.673 | 0 | 963.673 | 996.717 | 996.717 |
| 9 | 2.8418 | 3173.35 | 5.21308 | D-VD Silty SAND | 125 | 36 | 483.72 | 904.238 | 1072.53 | 0 | 1072.53 | 1116.66 | 1116.66 |
| 10 | 2.8418 | 3498.31 | 6.14639 | D-VD Silty SAND | 125 | 36 | 523.409 | 978.429 | 1174.64 | 0 | 1174.64 | 1231.01 | 1231.01 |
| 11 | 2.8418 | 3809.17 | 7.08133 | D-VD Silty SAND | 125 | 36 | 560.755 | 1048.24 | 1270.73 | 0 | 1270.73 | 1340.39 | 1340.39 |
| 12 | 2.8418 | 4128.96 | 8.01818 | D-VD Silty SAND | 125 | 36 | 598.783 | 1119.33 | 1368.58 | 0 | 1368.58 | 1452.92 | 1452.92 |
| 13 | 2.8418 | 4440.38 | 8.95719 | D-VD Silty SAND | 125 | 36 | 635.24 | 1187.48 | 1462.38 | 0 | 1462.38 | 1562.51 | 1562.51 |
| 14 | 2.8418 | 4735.5 | 9.89864 | D-VD Silty SAND | 125 | 36 | 669.135 | 1250.84 | 1549.59 | 0 | 1549.59 | 1666.35 | 1666.35 |
| 15 | 2.8418 | 5014.18 | 10.8428 | D-VD Silty SAND | 125 | 36 | 700.483 | 1309.44 | 1630.25 | 0 | 1630.25 | 1764.41 | 1764.41 |
| 16 | 2.8418 | 5276.28 | 11.7899 | D-VD Silty SAND | 125 | 36 | 729.311 | 1363.33 | 1704.41 | 0 | 1704.41 | 1856.64 | 1856.64 |
| 17 | 2.8418 | 5521.63 | 12.7404 | D-VD Silty SAND | 125 | 36 | 755.63 | 1412.53 | 1772.13 | 0 | 1772.13 | 1942.97 | 1942.97 |
| 18 | 2.8418 | 5750.05 | 13.6944 | D-VD Silty SAND | 125 | 36 | 779.452 | 1457.06 | 1833.42 | 0 | 1833.42 | 2023.35 | 2023.35 |
| 19 | 2.8418 | 5961.34 | 14.6522 | D-VD Silty SAND | 125 | 36 | 800.791 | 1496.95 | 1888.33 | 0 | 1888.33 | 2097.7 | 2097.7 |
| 20 | 2.8418 | 6155.28 | 15.6143 | D-VD Silty SAND | 125 | 36 | 819.653 | 1532.21 | 1936.87 | 0 | 1936.87 | 2165.94 | 2165.94 |
| 21 | 2.8418 | 6331.64 | 16.581 | D-VD Silty SAND | 125 | 36 | 836.054 | 1562.87 | 1979.05 | 0 | 1979.05 | 2227.99 | 2227.99 |
| 22 | 2.8418 | 6490.14 | 17.5525 | D-VD Silty SAND | 125 | 36 | 849.99 | 1588.92 | 2014.91 | 0 | 2014.91 | 2283.76 | 2283.76 |
| 23 | 2.8418 | 6630.52 | 18.5292 | D-VD Silty SAND | 125 | 36 | 861.459 | 1610.36 | 2044.43 | 0 | 2044.43 | 2333.15 | 2333.15 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 2.8418 | 6752.46 | 19.5116 | D-VD Silty SAND | 125 | 36 | 870.473 | 1627.21 | 2067.62 | 0 | 2067.62 | 2376.06 | 2376.06 |
| 25 | 2.8418 | 6855.65 | 20.5 | D-VD Silty SAND | 125 | 36 | 877.021 | 1639.45 | 2084.47 | 0 | 2084.47 | 2412.37 | 2412.37 |
| 26 | 2.8418 | 6939.71 | 21.4948 | D-VD Silty SAND | 125 | 36 | 881.102 | 1647.08 | 2094.96 | 0 | 2094.96 | 2441.95 | 2441.95 |
| 27 | 2.8418 | 7004.27 | 22.4964 | D-VD Silty SAND | 125 | 36 | 882.707 | 1650.08 | 2099.09 | 0 | 2099.09 | 2464.66 | 2464.66 |
| 28 | 2.8418 | 7048.9 | 23.5054 | D-VD Silty SAND | 125 | 36 | 881.83 | 1648.44 | 2096.83 | 0 | 2096.83 | 2480.36 | 2480.36 |
| 29 | 2.8418 | 7073.15 | 24.5222 | D-VD Silty SAND | 125 | 36 | 878.454 | 1642.13 | 2088.15 | 0 | 2088.15 | 2488.89 | 2488.89 |
| 30 | 2.8418 | 7076.54 | 25.5472 | D-VD Silty SAND | 125 | 36 | 872.57 | 1631.13 | 2073.01 | 0 | 2073.01 | 2490.09 | 2490.09 |
| 31 | 2.8418 | 7058.91 | 26.5811 | D-VD Silty SAND | 125 | 36 | 864.198 | 1615.48 | 2051.47 | 0 | 2051.47 | 2483.88 | 2483.88 |
| 32 | 2.8418 | 7042.87 | 27.6244 | D-VD Silty SAND | 125 | 36 | 855.96 | 1600.08 | 2030.28 | 0 | 2030.28 | 2478.23 | 2478.23 |
| 33 | 2.8418 | 7018.31 | 28.6778 | D-VD Silty SAND | 125 | 36 | 846.7 | 1582.77 | 2006.45 | 0 | 2006.45 | 2469.58 | 2469.58 |
| 34 | 2.8418 | 6970.47 | 29.7419 | D-VD Silty SAND | 125 | 36 | 834.781 | 1560.49 | 1975.79 | 0 | 1975.79 | 2452.75 | 2452.75 |
| 35 | 2.8418 | 6898.62 | 30.8173 | D-VD Silty SAND | 125 | 36 | 820.177 | 1533.19 | 1938.2 | 0 | 1938.2 | 2427.46 | 2427.46 |
| 36 | 2.8418 | 6801.95 | 31.905 | D-VD Silty SAND | 125 | 36 | 802.845 | 1500.79 | 1893.62 | 0 | 1893.62 | 2393.44 | 2393.44 |
| 37 | 2.8418 | 6679.6 | 33.0057 | D-VD Silty SAND | 125 | 36 | 782.763 | 1463.25 | 1841.95 | 0 | 1841.95 | 2350.39 | 2350.39 |
| 38 | 2.8418 | 6530.6 | 34.1203 | D-VD Silty SAND | 125 | 36 | 759.883 | 1420.48 | 1783.08 | 0 | 1783.08 | 2297.95 | 2297.95 |
| 39 | 2.8418 | 6353.89 | 35.2498 | D-VD Silty SAND | 125 | 36 | 734.168 | 1372.41 | 1716.92 | 0 | 1716.92 | 2235.77 | 2235.77 |
| 40 | 2.8418 | 6148.32 | 36.3953 | D-VD Silty SAND | 125 | 36 | 705.57 | 1318.95 | 1643.33 | 0 | 1643.33 | 2163.43 | 2163.43 |
| 41 | 2.8418 | 5909.3 | 37.5579 | D-VD Silty SAND | 125 | 36 | 673.687 | 1259.35 | 1561.3 | 0 | 1561.3 | 2079.32 | 2079.32 |
| 42 | 2.8418 | 5610.78 | 38.739 | D-VD Silty SAND | 125 | 36 | 635.914 | 1188.74 | 1464.11 | 0 | 1464.11 | 1974.28 | 1974.28 |
| 43 | 2.96497 | 5456.03 | 39.9665 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 628.976 | 1175.77 | 1312.92 | 0 | 1312.92 | 1840.07 | 1840.07 |
| 44 | 2.96497 | 4973.02 | 41.2429 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 571.712 | 1068.72 | 1175.91 | 0 | 1175.91 | 1677.17 | 1677.17 |
| 45 | 2.96497 | 4444.48 | 42.5448 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 510.782 | 954.825 | 1030.13 | 0 | 1030.13 | 1498.91 | 1498.91 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | 2.96497 | 3867.53 | 43.8745 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 446.116 | 833.942 | 875.405 | 0 | 875.405 | 1304.33 | 1304.33 |
| 47 | 2.96497 | 3238.91 | 45.2345 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 377.642 | 705.942 | 711.574 | 0 | 711.574 | 1092.32 | 1092.32 |
| 48 | 2.96497 | 2554.83 | 46.628 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 305.29 | 570.691 | 538.459 | 0 | 538.459 | 861.611 | 861.611 |
| 49 | 2.96497 | 1745.13 | 48.0584 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 222.656 | 416.219 | 340.745 | 0 | 340.745 | 588.537 | 588.537 |
| 50 | 2.96497 | 602.521 | 49.5297 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 110.859 | 207.233 | 73.2543 | 0 | 73.2543 | 203.189 | 203.189 |

## Cross Section FF-FF' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 1.19269

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.24374 | 183.703 | 3.08195 | D-VD Silty SAND | 125 | 36 | 134.885 | 160.876 | 49.3794 | 0 | 49.3794 | 56.6419 | 56.6419 |
| 2 | 3.24374 | 542.953 | 3.8194 | D-VD Silty SAND | 125 | 36 | 198.699 | 236.986 | 154.136 | 0 | 154.136 | 167.401 | 167.401 |
| 3 | 3.24374 | 885.872 | 4.55748 | D-VD Silty SAND | 125 | 36 | 258.625 | 308.46 | 252.512 | 0 | 252.512 | 273.127 | 273.127 |
| 4 | 3.24374 | 1212.41 | 5.29633 | D-VD Silty SAND | 125 | 36 | 314.74 | 375.387 | 344.629 | 0 | 344.629 | 373.806 | 373.806 |
| 5 | 3.24374 | 1522.52 | 6.03606 | D-VD Silty SAND | 125 | 36 | 367.111 | 437.85 | 430.602 | 0 | 430.602 | 469.421 | 469.421 |
| 6 | 3.24374 | 1826.63 | 6.7768 | D-VD Silty SAND | 125 | 36 | 417.645 | 498.121 | 513.558 | 0 | 513.558 | 563.187 | 563.187 |
| 7 | 3.24374 | 2198.81 | 7.51868 | D-VD Silty SAND | 125 | 36 | 479.249 | 571.595 | 614.684 | 0 | 614.684 | 677.938 | 677.938 |
| 8 | 3.24374 | 2572.78 | 8.26183 | D-VD Silty SAND | 125 | 36 | 540.237 | 644.335 | 714.805 | 0 | 714.805 | 793.249 | 793.249 |
| 9 | 3.24374 | 2930.02 | 9.00638 | D-VD Silty SAND | 125 | 36 | 597.439 | 712.559 | 808.706 | 0 | 808.706 | 903.399 | 903.399 |
| 10 | 3.24374 | 3270.42 | 9.75247 | D-VD Silty SAND | 125 | 36 | 650.91 | 776.334 | 896.486 | 0 | 896.486 | 1008.36 | 1008.36 |
| 11 | 3.24374 | 3593.87 | 10.5002 | D-VD Silty SAND | 125 | 36 | 700.704 | 835.723 | 978.227 | 0 | 978.227 | 1108.1 | 1108.1 |
| 12 | 3.24374 | 3900.25 | 11.2498 | D-VD Silty SAND | 125 | 36 | 746.872 | 890.787 | 1054.01 | 0 | 1054.01 | 1202.57 | 1202.57 |
| 13 | 3.24374 | 4192.04 | 12.0013 | D-VD Silty SAND | 125 | 36 | 789.893 | 942.097 | 1124.64 | 0 | 1124.64 | 1292.55 | 1292.55 |
| 14 | 3.24374 | 4499.24 | 12.755 | D-VD Silty SAND | 125 | 36 | 834.776 | 995.629 | 1198.32 | 0 | 1198.32 | 1387.28 | 1387.28 |
| 15 | 3.24374 | 4798.82 | 13.5109 | D-VD Silty SAND | 125 | 36 | 877.696 | 1046.82 | 1268.78 | 0 | 1268.78 | 1479.67 | 1479.67 |
| 16 | 3.24374 | 5080.74 | 14.2692 | D-VD Silty SAND | 125 | 36 | 917.051 | 1093.76 | 1333.38 | 0 | 1333.38 | 1566.61 | 1566.61 |
| 17 | 3.24374 | 5344.85 | 15.03 | D-VD Silty SAND | 125 | 36 | 952.88 | 1136.49 | 1392.2 | 0 | 1392.2 | 1648.05 | 1648.05 |
| 18 | 3.24374 | 5590.94 | 15.7936 | D-VD Silty SAND | 125 | 36 | 985.218 | 1175.06 | 1445.28 | 0 | 1445.28 | 1723.95 | 1723.95 |
| 19 | 3.24374 | 5818.83 | 16.56 | D-VD Silty SAND | 125 | 36 | 1014.09 | 1209.5 | 1492.69 | 0 | 1492.69 | 1794.23 | 1794.23 |
| 20 | 3.24374 | 6028.29 | 17.3296 | D-VD Silty SAND | 125 | 36 | 1039.54 | 1239.85 | 1534.46 | 0 | 1534.46 | 1858.83 | 1858.83 |
| 21 | 3.24374 | 6219.11 | 18.1023 | D-VD Silty SAND | 125 | 36 | 1061.59 | 1266.15 | 1570.66 | 0 | 1570.66 | 1917.69 | 1917.69 |
| 22 | 3.24374 | 6391.03 | 18.8785 | D-VD Silty SAND | 125 | 36 | 1080.26 | 1288.42 | 1601.31 | 0 | 1601.31 | 1970.72 | 1970.72 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | 3.24374 | 6543.8 | 19.6583 | D-VD Silty SAND | 125 | 36 | 1095.58 | 1306.69 | 1626.46 | 0 | 1626.46 | 2017.84 | 2017.84 |
| 24 | 3.24374 | 6677.14 | 20.4419 | D-VD Silty SAND | 125 | 36 | 1107.58 | 1321 | 1646.15 | 0 | 1646.15 | 2058.98 | 2058.98 |
| 25 | 3.24374 | 6790.76 | 21.2296 | D-VD Silty SAND | 125 | 36 | 1116.26 | 1331.35 | 1660.4 | 0 | 1660.4 | 2094.03 | 2094.03 |
| 26 | 3.24374 | 6884.35 | 22.0214 | D-VD Silty SAND | 125 | 36 | 1121.65 | 1337.78 | 1669.24 | 0 | 1669.24 | 2122.91 | 2122.91 |
| 27 | 3.24374 | 6957.58 | 22.8178 | D-VD Silty SAND | 125 | 36 | 1123.75 | 1340.29 | 1672.71 | 0 | 1672.71 | 2145.5 | 2145.5 |
| 28 | 3.24374 | 7010.08 | 23.6187 | D-VD Silty SAND | 125 | 36 | 1122.61 | 1338.92 | 1670.82 | 0 | 1670.82 | 2161.71 | 2161.71 |
| 29 | 3.24374 | 7041.5 | 24.4247 | D-VD Silty SAND | 125 | 36 | 1118.2 | 1333.67 | 1663.6 | 0 | 1663.6 | 2171.42 | 2171.42 |
| 30 | 3.24374 | 7051.41 | 25.2358 | D-VD Silty SAND | 125 | 36 | 1110.57 | 1324.56 | 1651.05 | 0 | 1651.05 | 2174.49 | 2174.49 |
| 31 | 3.24374 | 7049.92 | 26.0523 | D-VD Silty SAND | 125 | 36 | 1101.22 | 1313.41 | 1635.71 | 0 | 1635.71 | 2174.05 | 2174.05 |
| 32 | 3.24374 | 7062.05 | 26.8746 | D-VD Silty SAND | 125 | 36 | 1093.79 | 1304.55 | 1623.51 | 0 | 1623.51 | 2177.81 | 2177.81 |
| 33 | 3.24374 | 7054.32 | 27.7029 | D-VD Silty SAND | 125 | 36 | 1083.46 | 1292.23 | 1606.55 | 0 | 1606.55 | 2175.45 | 2175.45 |
| 34 | 3.24374 | 7023.21 | 28.5376 | D-VD Silty SAND | 125 | 36 | 1069.79 | 1275.93 | 1584.11 | 0 | 1584.11 | 2165.87 | 2165.87 |
| 35 | 3.24374 | 6968.17 | 29.3789 | D-VD Silty SAND | 125 | 36 | 1052.79 | 1255.65 | 1556.21 | 0 | 1556.21 | 2148.91 | 2148.91 |
| 36 | 3.24374 | 6888.61 | 30.2273 | D-VD Silty SAND | 125 | 36 | 1032.46 | 1231.4 | 1522.84 | 0 | 1522.84 | 2124.4 | 2124.4 |
| 37 | 3.24374 | 6783.89 | 31.083 | D-VD Silty SAND | 125 | 36 | 1008.8 | 1203.18 | 1483.99 | 0 | 1483.99 | 2092.12 | 2092.12 |
| 38 | 3.24374 | 6653.33 | 31.9465 | D-VD Silty SAND | 125 | 36 | 981.797 | 1170.98 | 1439.66 | 0 | 1439.66 | 2051.88 | 2051.88 |
| 39 | 3.24374 | 6495.77 | 32.8182 | D-VD Silty SAND | 125 | 36 | 951.387 | 1134.71 | 1389.75 | 0 | 1389.75 | 2003.31 | 2003.31 |
| 40 | 3.24374 | 6280.66 | 33.6985 | D-VD Silty SAND | 125 | 36 | 913.605 | 1089.65 | 1327.72 | 0 | 1327.72 | 1936.99 | 1936.99 |
| 41 | 3.04907 | 5633.96 | 34.561 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 921.059 | 1098.54 | 1214.07 | 0 | 1214.07 | 1848.54 | 1848.54 |
| 42 | 3.04907 | 5313.63 | 35.4055 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 865.053 | 1031.74 | 1128.57 | 0 | 1128.57 | 1743.46 | 1743.46 |
| 43 | 3.04907 | 4966.33 | 36.259 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 805.966 | 961.268 | 1038.38 | 0 | 1038.38 | 1629.53 | 1629.53 |
| 44 | 3.04907 | 4591.18 | 37.122 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 743.802 | 887.125 | 943.477 | 0 | 943.477 | 1506.46 | 1506.46 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 | 3.04907 | 4187.23 | 37.9949 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 678.561 | 809.313 | 843.881 | 0 | 843.881 | 1373.93 | 1373.93 |
| 46 | 3.04907 | 3753.44 | 38.8783 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 610.245 | 727.833 | 739.594 | 0 | 739.594 | 1231.62 | 1231.62 |
| 47 | 3.04907 | 3204.12 | 39.7728 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 527.093 | 628.659 | 612.655 | 0 | 612.655 | 1051.39 | 1051.39 |
| 48 | 3.04907 | 2345.51 | 40.6791 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 403.035 | 480.696 | 423.271 | 0 | 423.271 | 769.68 | 769.68 |
| 49 | 3.04907 | 1431.83 | 41.5979 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 274.147 | 326.972 | 226.514 | 0 | 226.514 | 469.895 | 469.895 |
| 50 | 3.04907 | 483.223 | 42.53 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 143.475 | 171.122 | 27.0345 | 0 | 27.0345 | 158.644 | 158.644 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.13788

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.06028 | 222.686 | -2.94636 | D-VD Silty SAND | 125 | 36 | 161.647 | 183.935 | 81.1176 | 0 | 81.1176 | 72.7978 | 72.7978 |
| 2 | 3.06028 | 658.74 | -1.99797 | D-VD Silty SAND | 125 | 36 | 252.95 | 287.827 | 224.112 | 0 | 224.112 | 215.288 | 215.288 |
| 3 | 3.06028 | 1076.17 | -1.05014 | D-VD Silty SAND | 125 | 36 | 338.364 | 385.018 | 357.884 | 0 | 357.884 | 351.682 | 351.682 |
| 4 | 3.06028 | 1475.01 | -0.102589 | D-VD Silty SAND | 125 | 36 | 418.084 | 475.729 | 482.736 | 0 | 482.736 | 481.988 | 481.988 |
| 5 | 3.06028 | 1867.91 | 0.844932 | D-VD Silty SAND | 125 | 36 | 494.903 | 563.14 | 603.049 | 0 | 603.049 | 610.348 | 610.348 |
| 6 | 3.06028 | 2318.05 | 1.79268 | D-VD Silty SAND | 125 | 36 | 581.827 | 662.049 | 739.185 | 0 | 739.185 | 757.395 | 757.395 |
| 7 | 3.06028 | 2762.18 | 2.74093 | D-VD Silty SAND | 125 | 36 | 665.737 | 757.529 | 870.6 | 0 | 870.6 | 902.472 | 902.472 |
| 8 | 3.06028 | 3187.67 | 3.68992 | D-VD Silty SAND | 125 | 36 | 744.18 | 846.788 | 993.457 | 0 | 993.457 | 1041.45 | 1041.45 |
| 9 | 3.06028 | 3594.45 | 4.63993 | D-VD Silty SAND | 125 | 36 | 817.299 | 929.988 | 1107.97 | 0 | 1107.97 | 1174.3 | 1174.3 |
| 10 | 3.06028 | 3982.46 | 5.59123 | D-VD Silty SAND | 125 | 36 | 885.226 | 1007.28 | 1214.36 | 0 | 1214.36 | 1301.02 | 1301.02 |
| 11 | 3.06028 | 4351.61 | 6.54407 | D-VD Silty SAND | 125 | 36 | 948.085 | 1078.81 | 1312.8 | 0 | 1312.8 | 1421.56 | 1421.56 |
| 12 | 3.06028 | 4701.81 | 7.49873 | D-VD Silty SAND | 125 | 36 | 1005.98 | 1144.69 | 1403.49 | 0 | 1403.49 | 1535.91 | 1535.91 |
| 13 | 3.06028 | 5052.45 | 8.45549 | D-VD Silty SAND | 125 | 36 | 1062.76 | 1209.29 | 1492.4 | 0 | 1492.4 | 1650.39 | 1650.39 |
| 14 | 3.06028 | 5404.6 | 9.41463 | D-VD Silty SAND | 125 | 36 | 1118.62 | 1272.85 | 1579.88 | 0 | 1579.88 | 1765.36 | 1765.36 |
| 15 | 3.06028 | 5737.4 | 10.3764 | D-VD Silty SAND | 125 | 36 | 1169.66 | 1330.93 | 1659.82 | 0 | 1659.82 | 1874 | 1874 |
| 16 | 3.06028 | 6050.67 | 11.3412 | D-VD Silty SAND | 125 | 36 | 1215.98 | 1383.64 | 1732.37 | 0 | 1732.37 | 1976.25 | 1976.25 |
| 17 | 3.06028 | 6344.22 | 12.3093 | D-VD Silty SAND | 125 | 36 | 1257.65 | 1431.06 | 1797.64 | 0 | 1797.64 | 2072.06 | 2072.06 |
| 18 | 3.06028 | 6617.84 | 13.2809 | D-VD Silty SAND | 125 | 36 | 1294.76 | 1473.28 | 1855.74 | 0 | 1855.74 | 2161.36 | 2161.36 |
| 19 | 3.06028 | 6871.29 | 14.2565 | D-VD Silty SAND | 125 | 36 | 1327.35 | 1510.37 | 1906.79 | 0 | 1906.79 | 2244.06 | 2244.06 |
| 20 | 3.06028 | 7104.33 | 15.2362 | D-VD Silty SAND | 125 | 36 | 1355.5 | 1542.4 | 1950.89 | 0 | 1950.89 | 2320.09 | 2320.09 |
| 21 | 3.06028 | 7316.67 | 16.2206 | D-VD Silty SAND | 125 | 36 | 1379.27 | 1569.44 | 1988.1 | 0 | 1988.1 | 2389.36 | 2389.36 |
| 22 | 3.06028 | 7508.01 | 17.2099 | D-VD Silty SAND | 125 | 36 | 1398.7 | 1591.55 | 2018.53 | 0 | 2018.53 | 2451.76 | 2451.76 |
| 23 | 3.06028 | 7678.03 | 18.2046 | D-VD Silty SAND | 125 | 36 | 1413.83 | 1608.77 | 2042.23 | 0 | 2042.23 | 2507.2 | 2507.2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 3.06028 | 7826.36 | 19.2049 | D-VD Silty SAND | 125 | 36 | 1424.71 | 1621.15 | 2059.28 | 0 | 2059.28 | 2555.55 | 2555.55 |
| 25 | 3.06028 | 7952.62 | 20.2114 | D-VD Silty SAND | 125 | 36 | 1431.38 | 1628.74 | 2069.72 | 0 | 2069.72 | 2596.69 | 2596.69 |
| 26 | 3.06028 | 8056.38 | 21.2244 | D-VD Silty SAND | 125 | 36 | 1433.88 | 1631.58 | 2073.62 | 0 | 2073.62 | 2630.49 | 2630.49 |
| 27 | 3.06028 | 8137.19 | 22.2444 | D-VD Silty SAND | 125 | 36 | 1432.21 | 1629.68 | 2071.02 | 0 | 2071.02 | 2656.79 | 2656.79 |
| 28 | 3.06028 | 8194.56 | 23.272 | D-VD Silty SAND | 125 | 36 | 1426.42 | 1623.09 | 2061.95 | 0 | 2061.95 | 2675.43 | 2675.43 |
| 29 | 3.06028 | 8227.94 | 24.3075 | D-VD Silty SAND | 125 | 36 | 1416.51 | 1611.82 | 2046.44 | 0 | 2046.44 | 2686.24 | 2686.24 |
| 30 | 3.06028 | 8236.77 | 25.3515 | D-VD Silty SAND | 125 | 36 | 1402.52 | 1595.9 | 2024.52 | 0 | 2024.52 | 2689.03 | 2689.03 |
| 31 | 3.06028 | 8221.63 | 26.4046 | D-VD Silty SAND | 125 | 36 | 1384.65 | 1575.56 | 1996.52 | 0 | 1996.52 | 2684 | 2684 |
| 32 | 3.06028 | 8210.62 | 27.4675 | D-VD Silty SAND | 125 | 36 | 1367.38 | 1555.92 | 1969.49 | 0 | 1969.49 | 2680.32 | 2680.32 |
| 33 | 3.06028 | 8185.83 | 28.5407 | D-VD Silty SAND | 125 | 36 | 1347.94 | 1533.79 | 1939.03 | 0 | 1939.03 | 2672.14 | 2672.14 |
| 34 | 3.06028 | 8133.61 | 29.6249 | D-VD Silty SAND | 125 | 36 | 1324.26 | 1506.85 | 1901.95 | 0 | 1901.95 | 2655 | 2655 |
| 35 | 3.06028 | 8053.09 | 30.721 | D-VD Silty SAND | 125 | 36 | 1296.36 | 1475.1 | 1858.26 | 0 | 1858.26 | 2628.62 | 2628.62 |
| 36 | 3.06028 | 7943.3 | 31.8296 | D-VD Silty SAND | 125 | 36 | 1264.23 | 1438.54 | 1807.93 | 0 | 1807.93 | 2592.69 | 2592.69 |
| 37 | 3.06028 | 7803.19 | 32.9518 | D-VD Silty SAND | 125 | 36 | 1227.85 | 1397.15 | 1750.96 | 0 | 1750.96 | 2546.87 | 2546.87 |
| 38 | 3.06028 | 7631.6 | 34.0883 | D-VD Silty SAND | 125 | 36 | 1187.22 | 1350.91 | 1687.32 | 0 | 1687.32 | 2490.77 | 2490.77 |
| 39 | 3.06028 | 7427.28 | 35.2404 | D-VD Silty SAND | 125 | 36 | 1142.3 | 1299.8 | 1616.98 | 0 | 1616.98 | 2423.99 | 2423.99 |
| 40 | 3.06028 | 7187.85 | 36.4091 | D-VD Silty SAND | 125 | 36 | 1092.95 | 1243.65 | 1539.69 | 0 | 1539.69 | 2345.75 | 2345.75 |
| 41 | 3.06028 | 6883.73 | 37.5956 | D-VD Silty SAND | 125 | 36 | 1035.24 | 1177.98 | 1449.3 | 0 | 1449.3 | 2246.41 | 2246.41 |
| 42 | 3.06028 | 6528.59 | 38.8014 | D-VD Silty SAND | 125 | 36 | 971.417 | 1105.36 | 1349.35 | 0 | 1349.35 | 2130.42 | 2130.42 |
| 43 | 3.02508 | 6027.64 | 40.0208 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 950.107 | 1081.11 | 1191.76 | 0 | 1191.76 | 1989.59 | 1989.59 |
| 44 | 3.02508 | 5523.65 | 41.2552 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 863.543 | 982.608 | 1065.69 | 0 | 1065.69 | 1823.13 | 1823.13 |
| 45 | 3.02508 | 4973.84 | 42.5134 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 772.616 | 879.144 | 933.262 | 0 | 933.262 | 1641.57 | 1641.57 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | 3.02508 | 4375.41 | 43.7975 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 677.328 | 770.718 | 794.482 | 0 | 794.482 | 1443.96 | 1443.96 |
| 47 | 3.02508 | 3725.18 | 45.1098 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 577.688 | 657.34 | 649.365 | 0 | 649.365 | 1229.27 | 1229.27 |
| 48 | 3.02508 | 2944.16 | 46.453 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 463.798 | 527.746 | 483.493 | 0 | 483.493 | 971.432 | 971.432 |
| 49 | 3.02508 | 1827.17 | 47.8303 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 310.385 | 353.181 | 260.06 | 0 | 260.06 | 602.732 | 602.732 |
| 50 | 3.02508 | 620.228 | 49.2452 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 151.471 | 172.355 | 28.6136 | 0 | 28.6136 | 204.374 | 204.374 |

# Cross Section GG-GG' - Master Scenario

## Global Minimum Query (bishop simplified) - Safety Factor: 1.33022

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.34925 | 44.2473 | 15.5244 | MD-D SAND/Silty SAND | 50 | 36 | 48.1967 | 64.1122 | 19.4237 | 0 | 19.4237 | 32.812 | 32.812 |
| 2 | 1.34925 | 131.463 | 16.1205 | MD-D SAND/Silty SAND | 50 | 36 | 78.4389 | 104.341 | 74.7943 | 0 | 74.7943 | 97.4649 | 97.4649 |
| 3 | 1.34925 | 216.11 | 16.7184 | MD-D SAND/Silty SAND | 50 | 36 | 107.464 | 142.95 | 127.935 | 0 | 127.935 | 160.214 | 160.214 |
| 4 | 1.34925 | 298.164 | 17.3181 | MD-D SAND/Silty SAND | 50 | 36 | 135.278 | 179.949 | 178.86 | 0 | 178.86 | 221.041 | 221.041 |
| 5 | 1.34925 | 377.599 | 17.9198 | MD-D SAND/Silty SAND | 50 | 36 | 161.887 | 215.345 | 227.579 | 0 | 227.579 | 279.928 | 279.928 |
| 6 | 1.34925 | 454.39 | 18.5236 | MD-D SAND/Silty SAND | 50 | 36 | 187.298 | 249.147 | 274.102 | 0 | 274.102 | 336.856 | 336.856 |
| 7 | 1.34925 | 528.51 | 19.1295 | MD-D SAND/Silty SAND | 50 | 36 | 211.514 | 281.36 | 318.439 | 0 | 318.439 | 391.804 | 391.804 |
| 8 | 1.34925 | 599.928 | 19.7376 | MD-D SAND/Silty SAND | 50 | 36 | 234.54 | 311.99 | 360.599 | 0 | 360.599 | 444.75 | 444.75 |
| 9 | 1.34925 | 668.614 | 20.3481 | MD-D SAND/Silty SAND | 50 | 36 | 256.382 | 341.045 | 400.589 | 0 | 400.589 | 495.672 | 495.672 |
| 10 | 1.34925 | 734.537 | 20.961 | MD-D SAND/Silty SAND | 50 | 36 | 277.042 | 368.527 | 438.415 | 0 | 438.415 | 544.545 | 544.545 |
| 11 | 1.34925 | 797.662 | 21.5764 | MD-D SAND/Silty SAND | 50 | 36 | 296.525 | 394.443 | 474.085 | 0 | 474.085 | 591.346 | 591.346 |
| 12 | 1.34925 | 857.955 | 22.1944 | MD-D SAND/Silty SAND | 50 | 36 | 314.831 | 418.795 | 507.603 | 0 | 507.603 | 636.047 | 636.047 |
| 13 | 1.34925 | 915.378 | 22.8152 | MD-D SAND/Silty SAND | 50 | 36 | 331.965 | 441.587 | 538.973 | 0 | 538.973 | 678.622 | 678.622 |
| 14 | 1.34925 | 969.893 | 23.4388 | MD-D SAND/Silty SAND | 50 | 36 | 347.927 | 462.82 | 568.199 | 0 | 568.199 | 719.04 | 719.04 |
| 15 | 1.34925 | 1021.46 | 24.0653 | MD-D SAND/Silty SAND | 50 | 36 | 362.72 | 482.498 | 595.283 | 0 | 595.283 | 757.272 | 757.272 |
| 16 | 1.34925 | 1070.03 | 24.695 | MD-D SAND/Silty SAND | 50 | 36 | 376.345 | 500.622 | 620.227 | 0 | 620.227 | 793.287 | 793.287 |
| 17 | 1.34925 | 1115.56 | 25.3278 | MD-D SAND/Silty SAND | 50 | 36 | 388.801 | 517.191 | 643.034 | 0 | 643.034 | 827.05 | 827.05 |
| 18 | 1.34925 | 1158.02 | 25.9639 | MD-D SAND/Silty SAND | 50 | 36 | 400.089 | 532.207 | 663.701 | 0 | 663.701 | 858.527 | 858.527 |
| 19 | 1.34925 | 1197.33 | 26.6036 | MD-D SAND/Silty SAND | 50 | 36 | 410.21 | 545.669 | 682.231 | 0 | 682.231 | 887.68 | 887.68 |
| 20 | 1.34925 | 1233.46 | 27.2468 | MD-D SAND/Silty SAND | 50 | 36 | 419.161 | 557.576 | 698.62 | 0 | 698.62 | 914.472 | 914.472 |
| 21 | 1.34925 | 1266.35 | 27.8937 | MD-D SAND/Silty SAND | 50 | 36 | 426.941 | 567.926 | 712.861 | 0 | 712.861 | 938.855 | 938.855 |
| 22 | 1.34925 | 1295.93 | 28.5446 | MD-D SAND/Silty SAND | 50 | 36 | 433.55 | 576.717 | 724.962 | 0 | 724.962 | 960.797 | 960.797 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | 1.34925 | 1322.16 | 29.1995 | MD-D SAND/Silty SAND | 50 | 36 | 438.985 | 583.947 | 734.912 | 0 | 734.912 | 980.247 | 980.247 |
| 24 | 1.34925 | 1344.96 | 29.8586 | MD-D SAND/Silty SAND | 50 | 36 | 443.244 | 589.612 | 742.711 | 0 | 742.711 | 997.162 | 997.162 |
| 25 | 1.34925 | 1364.27 | 30.5221 | MD-D SAND/Silty SAND | 50 | 36 | 446.322 | 593.707 | 748.348 | 0 | 748.348 | 1011.48 | 1011.48 |
| 26 | 1.34925 | 1380.02 | 31.1901 | MD-D SAND/Silty SAND | 50 | 36 | 448.218 | 596.229 | 751.82 | 0 | 751.82 | 1023.17 | 1023.17 |
| 27 | 1.34925 | 1392.12 | 31.8629 | MD-D SAND/Silty SAND | 50 | 36 | 448.928 | 597.173 | 753.121 | 0 | 753.121 | 1032.15 | 1032.15 |
| 28 | 1.34925 | 1400.51 | 32.5407 | MD-D SAND/Silty SAND | 50 | 36 | 448.445 | 596.531 | 752.236 | 0 | 752.236 | 1038.38 | 1038.38 |
| 29 | 1.34925 | 1405.09 | 33.2236 | MD-D SAND/Silty SAND | 50 | 36 | 446.767 | 594.298 | 749.165 | 0 | 749.165 | 1041.78 | 1041.78 |
| 30 | 1.34925 | 1405.79 | 33.9119 | MD-D SAND/Silty SAND | 50 | 36 | 443.887 | 590.467 | 743.888 | 0 | 743.888 | 1042.3 | 1042.3 |
| 31 | 1.34925 | 1402.49 | 34.6058 | MD-D SAND/Silty SAND | 50 | 36 | 439.799 | 585.03 | 736.404 | 0 | 736.404 | 1039.87 | 1039.87 |
| 32 | 1.34925 | 1395.12 | 35.3055 | MD-D SAND/Silty SAND | 50 | 36 | 434.499 | 577.979 | 726.702 | 0 | 726.702 | 1034.41 | 1034.41 |
| 33 | 1.34925 | 1383.54 | 36.0113 | MD-D SAND/Silty SAND | 50 | 36 | 427.978 | 569.305 | 714.762 | 0 | 714.762 | 1025.84 | 1025.84 |
| 34 | 1.34925 | 1367.67 | 36.7235 | MD-D SAND/Silty SAND | 50 | 36 | 420.229 | 558.997 | 700.574 | 0 | 700.574 | 1014.07 | 1014.07 |
| 35 | 1.34925 | 1347.37 | 37.4424 | MD-D SAND/Silty SAND | 50 | 36 | 411.245 | 547.046 | 684.122 | 0 | 684.122 | 999.026 | 999.026 |
| 36 | 1.34925 | 1322.52 | 38.1683 | MD-D SAND/Silty SAND | 50 | 36 | 401.017 | 533.441 | 665.398 | 0 | 665.398 | 980.609 | 980.609 |
| 37 | 1.34925 | 1292.97 | 38.9015 | MD-D SAND/Silty SAND | 50 | 36 | 389.537 | 518.17 | 644.382 | 0 | 644.382 | 958.715 | 958.715 |
| 38 | 1.34925 | 1258.6 | 39.6423 | MD-D SAND/Silty SAND | 50 | 36 | 376.796 | 501.221 | 621.054 | 0 | 621.054 | 933.235 | 933.235 |
| 39 | 1.34925 | 1219.23 | 40.3911 | MD-D SAND/Silty SAND | 50 | 36 | 362.783 | 482.581 | 595.394 | 0 | 595.394 | 904.05 | 904.05 |
| 40 | 1.34925 | 1174.71 | 41.1484 | MD-D SAND/Silty SAND | 50 | 36 | 347.489 | 462.237 | 567.395 | 0 | 567.395 | 871.046 | 871.046 |
| 41 | 1.34925 | 1124.85 | 41.9145 | MD-D SAND/Silty SAND | 50 | 36 | 330.904 | 440.175 | 537.029 | 0 | 537.029 | 834.084 | 834.084 |
| 42 | 1.34925 | 1069.46 | 42.69 | MD-D SAND/Silty SAND | 50 | 36 | 313.016 | 416.38 | 504.278 | 0 | 504.278 | 793.02 | 793.02 |
| 43 | 1.34925 | 1008.33 | 43.4752 | MD-D SAND/Silty SAND | 50 | 36 | 293.814 | 390.837 | 469.122 | 0 | 469.122 | 747.7 | 747.7 |
| 44 | 1.34925 | 933.423 | 44.2708 | MD-D SAND/Silty SAND | 50 | 36 | 271.222 | 360.785 | 427.759 | 0 | 427.759 | 692.164 | 692.164 |
| 45 | 1.34925 | 829.626 | 45.0773 | MD-D SAND/Silty SAND | 50 | 36 | 241.398 | 321.113 | 373.155 | 0 | 373.155 | 615.205 | 615.205 |
| 46 | 1.34925 | 717.914 | 45.8953 | MD-D SAND/Silty SAND | 50 | 36 | 210.013 | 279.364 | 315.693 | 0 | 315.693 | 532.375 | 532.375 |
| 47 | 1.34925 | 599.441 | 46.7256 | MD-D SAND/Silty SAND | 50 | 36 | 177.444 | 236.04 | 256.062 | 0 | 256.062 | 444.53 | 444.53 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 1.34925 | 473.891 | 47.5689 | MD-D SAND/Silty SAND | 50 | 36 | 143.685 | 191.133 | 194.253 | 0 | 194.253 | 351.437 | 351.437 |
| 49 | 1.34925 | 340.652 | 48.426 | MD-D SAND/Silty SAND | 50 | 36 | 108.665 | 144.549 | 130.135 | 0 | 130.135 | 252.64 | 252.64 |
| 50 | 1.34925 | 132.272 | 49.2978 | MD-D SAND/Silty SAND | 50 | 36 | 55.7692 | 74.1853 | 33.2883 | 0 | 33.2883 | 98.121 | 98.121 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.28764

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.33562 | 54.2684 | 10.1996 | MD-D SAND/Silty SAND | 50 | 36 | 56.0667 | 72.1937 | 30.547 | 0 | 30.547 | 40.6345 | 40.6345 |
| 2 | 1.33562 | 161.268 | 10.9631 | MD-D SAND/Silty SAND | 50 | 36 | 96.4235 | 124.159 | 102.071 | 0 | 102.071 | 120.749 | 120.749 |
| 3 | 1.33562 | 265.18 | 11.7286 | MD-D SAND/Silty SAND | 50 | 36 | 135.043 | 173.887 | 170.516 | 0 | 170.516 | 198.553 | 198.553 |
| 4 | 1.33562 | 365.979 | 12.4962 | MD-D SAND/Silty SAND | 50 | 36 | 171.946 | 221.405 | 235.918 | 0 | 235.918 | 274.026 | 274.026 |
| 5 | 1.33562 | 463.64 | 13.2662 | MD-D SAND/Silty SAND | 50 | 36 | 207.15 | 266.735 | 298.31 | 0 | 298.31 | 347.149 | 347.149 |
| 6 | 1.33562 | 558.133 | 14.0385 | MD-D SAND/Silty SAND | 50 | 36 | 240.673 | 309.9 | 357.722 | 0 | 357.722 | 417.901 | 417.901 |
| 7 | 1.33562 | 649.426 | 14.8135 | MD-D SAND/Silty SAND | 50 | 36 | 272.53 | 350.921 | 414.182 | 0 | 414.182 | 486.257 | 486.257 |
| 8 | 1.33562 | 737.486 | 15.5913 | MD-D SAND/Silty SAND | 50 | 36 | 302.737 | 389.816 | 467.716 | 0 | 467.716 | 552.192 | 552.192 |
| 9 | 1.33562 | 822.277 | 16.372 | MD-D SAND/Silty SAND | 50 | 36 | 331.305 | 426.602 | 518.347 | 0 | 518.347 | 615.68 | 615.68 |
| 10 | 1.33562 | 903.76 | 17.1558 | MD-D SAND/Silty SAND | 50 | 36 | 358.248 | 461.294 | 566.098 | 0 | 566.098 | 676.691 | 676.691 |
| 11 | 1.33562 | 981.894 | 17.943 | MD-D SAND/Silty SAND | 50 | 36 | 383.576 | 493.908 | 610.987 | 0 | 610.987 | 735.196 | 735.196 |
| 12 | 1.33562 | 1056.64 | 18.7337 | MD-D SAND/Silty SAND | 50 | 36 | 407.299 | 524.454 | 653.031 | 0 | 653.031 | 791.161 | 791.161 |
| 13 | 1.33562 | 1127.94 | 19.5281 | MD-D SAND/Silty SAND | 50 | 36 | 429.425 | 552.945 | 692.245 | 0 | 692.245 | 844.549 | 844.549 |
| 14 | 1.33562 | 1195.75 | 20.3265 | MD-D SAND/Silty SAND | 50 | 36 | 449.963 | 579.391 | 728.646 | 0 | 728.646 | 895.329 | 895.329 |
| 15 | 1.33562 | 1260.02 | 21.129 | MD-D SAND/Silty SAND | 50 | 36 | 468.918 | 603.798 | 762.234 | 0 | 762.234 | 943.447 | 943.447 |
| 16 | 1.33562 | 1320.69 | 21.9358 | MD-D SAND/Silty SAND | 50 | 36 | 486.296 | 626.174 | 793.035 | 0 | 793.035 | 988.878 | 988.878 |
| 17 | 1.33562 | 1377.7 | 22.7473 | MD-D SAND/Silty SAND | 50 | 36 | 502.101 | 646.525 | 821.044 | 0 | 821.044 | 1031.56 | 1031.56 |
| 18 | 1.33562 | 1430.98 | 23.5636 | MD-D SAND/Silty SAND | 50 | 36 | 516.336 | 664.855 | 846.273 | 0 | 846.273 | 1071.46 | 1071.46 |
| 19 | 1.33562 | 1480.48 | 24.385 | MD-D SAND/Silty SAND | 50 | 36 | 529.003 | 681.166 | 868.725 | 0 | 868.725 | 1108.52 | 1108.52 |
| 20 | 1.33562 | 1526.1 | 25.2118 | MD-D SAND/Silty SAND | 50 | 36 | 540.104 | 695.46 | 888.401 | 0 | 888.401 | 1142.69 | 1142.69 |
| 21 | 1.33562 | 1567.78 | 26.0442 | MD-D SAND/Silty SAND | 50 | 36 | 549.639 | 707.737 | 905.297 | 0 | 905.297 | 1173.9 | 1173.9 |
| 22 | 1.33562 | 1605.43 | 26.8826 | MD-D SAND/Silty SAND | 50 | 36 | 557.605 | 717.995 | 919.416 | 0 | 919.416 | 1202.09 | 1202.09 |
| 23 | 1.33562 | 1638.96 | 27.7273 | MD-D SAND/Silty SAND | 50 | 36 | 564.002 | 726.232 | 930.756 | 0 | 930.756 | 1227.21 | 1227.21 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 1.33562 | 1668.28 | 28.5786 | MD-D SAND/Silty SAND | 50 | 36 | 568.826 | 732.443 | 939.303 | 0 | 939.303 | 1249.16 | 1249.16 |
| 25 | 1.33562 | 1693.29 | 29.4368 | MD-D SAND/Silty SAND | 50 | 36 | 572.072 | 736.623 | 945.058 | 0 | 945.058 | 1267.89 | 1267.89 |
| 26 | 1.33562 | 1713.87 | 30.3023 | MD-D SAND/Silty SAND | 50 | 36 | 573.736 | 738.766 | 948.006 | 0 | 948.006 | 1283.3 | 1283.3 |
| 27 | 1.33562 | 1729.91 | 31.1756 | MD-D SAND/Silty SAND | 50 | 36 | 573.811 | 738.862 | 948.138 | 0 | 948.138 | 1295.32 | 1295.32 |
| 28 | 1.33562 | 1741.29 | 32.0569 | MD-D SAND/Silty SAND | 50 | 36 | 572.289 | 736.902 | 945.44 | 0 | 945.44 | 1303.84 | 1303.84 |
| 29 | 1.33562 | 1747.87 | 32.9469 | MD-D SAND/Silty SAND | 50 | 36 | 569.161 | 732.874 | 939.893 | 0 | 939.893 | 1308.76 | 1308.76 |
| 30 | 1.33562 | 1749.5 | 33.8459 | MD-D SAND/Silty SAND | 50 | 36 | 564.417 | 726.766 | 931.488 | 0 | 931.488 | 1309.99 | 1309.99 |
| 31 | 1.33562 | 1746.03 | 34.7545 | MD-D SAND/Silty SAND | 50 | 36 | 558.047 | 718.564 | 920.199 | 0 | 920.199 | 1307.39 | 1307.39 |
| 32 | 1.33562 | 1737.29 | 35.6732 | MD-D SAND/Silty SAND | 50 | 36 | 550.037 | 708.25 | 906.006 | 0 | 906.006 | 1300.86 | 1300.86 |
| 33 | 1.33562 | 1723.11 | 36.6025 | MD-D SAND/Silty SAND | 50 | 36 | 540.375 | 695.808 | 888.876 | 0 | 888.876 | 1290.23 | 1290.23 |
| 34 | 1.33562 | 1703.27 | 37.5433 | MD-D SAND/Silty SAND | 50 | 36 | 529.044 | 681.218 | 868.798 | 0 | 868.798 | 1275.38 | 1275.38 |
| 35 | 1.33562 | 1677.57 | 38.496 | MD-D SAND/Silty SAND | 50 | 36 | 516.029 | 664.459 | 845.733 | 0 | 845.733 | 1256.14 | 1256.14 |
| 36 | 1.33562 | 1645.77 | 39.4616 | MD-D SAND/Silty SAND | 50 | 36 | 501.312 | 645.509 | 819.648 | 0 | 819.648 | 1232.33 | 1232.33 |
| 37 | 1.33562 | 1607.62 | 40.4407 | MD-D SAND/Silty SAND | 50 | 36 | 484.874 | 624.343 | 790.516 | 0 | 790.516 | 1203.77 | 1203.77 |
| 38 | 1.33562 | 1562.84 | 41.4343 | MD-D SAND/Silty SAND | 50 | 36 | 466.696 | 600.936 | 758.298 | 0 | 758.298 | 1170.24 | 1170.24 |
| 39 | 1.33562 | 1511.12 | 42.4434 | MD-D SAND/Silty SAND | 50 | 36 | 446.755 | 575.259 | 722.956 | 0 | 722.956 | 1131.52 | 1131.52 |
| 40 | 1.33562 | 1452.13 | 43.469 | MD-D SAND/Silty SAND | 50 | 36 | 425.028 | 547.283 | 684.451 | 0 | 684.451 | 1087.35 | 1087.35 |
| 41 | 1.33562 | 1385.49 | 44.5123 | MD-D SAND/Silty SAND | 50 | 36 | 401.492 | 516.977 | 642.737 | 0 | 642.737 | 1037.45 | 1037.45 |
| 42 | 1.33562 | 1310.78 | 45.5746 | MD-D SAND/Silty SAND | 50 | 36 | 376.121 | 484.308 | 597.773 | 0 | 597.773 | 981.515 | 981.515 |
| 43 | 1.33562 | 1227.55 | 46.6575 | MD-D SAND/Silty SAND | 50 | 36 | 348.889 | 449.244 | 549.511 | 0 | 549.511 | 919.193 | 919.193 |
| 44 | 1.33562 | 1133.94 | 47.7625 | MD-D SAND/Silty SAND | 50 | 36 | 319.422 | 411.3 | 497.287 | 0 | 497.287 | 849.097 | 849.097 |
| 45 | 1.33562 | 1008.56 | 48.8915 | MD-D SAND/Silty SAND | 50 | 36 | 282.373 | 363.595 | 431.627 | 0 | 431.627 | 755.22 | 755.22 |
| 46 | 1.33562 | 865.064 | 50.0466 | MD-D SAND/Silty SAND | 50 | 36 | 241.601 | 311.095 | 359.366 | 0 | 359.366 | 647.771 | 647.771 |
| 47 | 1.33562 | 710.515 | 51.2303 | MD-D SAND/Silty SAND | 50 | 36 | 199.135 | 256.414 | 284.104 | 0 | 284.104 | 532.046 | 532.046 |
| 48 | 1.33562 | 544.044 | 52.4452 | MD-D SAND/Silty SAND | 50 | 36 | 154.97 | 199.545 | 205.831 | 0 | 205.831 | 407.392 | 407.392 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | 1.33562 | 364.643 | 53.6947 | MD-D SAND/Silty SAND | 50 | 36 | 109.109 | 140.493 | 124.553 | 0 | 124.553 | 273.057 | 273.057 |
| 50 | 1.33562 | 149.843 | 54.9824 | MD-D SAND/Silty SAND | 50 | 36 | 56.5814 | 72.8565 | 31.4592 | 0 | 31.4592 | 112.213 | 112.213 |

## Cross Section GG-GG' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 0.865524

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.36428 | 45.9568 | 15.1953 | MD-D SAND/Silty SAND | 50 | 36 | 70.0878 | 60.6627 | 14.676 | 0 | 14.676 | 33.7122 | 33.7122 |
| 2 | 1.36428 | 136.56 | 15.7946 | MD-D SAND/Silty SAND | 50 | 36 | 114.615 | 99.2021 | 67.721 | 0 | 67.721 | 100.142 | 100.142 |
| 3 | 1.36428 | 224.531 | 16.3958 | MD-D SAND/Silty SAND | 50 | 36 | 157.158 | 136.024 | 118.402 | 0 | 118.402 | 164.643 | 164.643 |
| 4 | 1.36428 | 309.846 | 16.9987 | MD-D SAND/Silty SAND | 50 | 36 | 197.74 | 171.149 | 166.747 | 0 | 166.747 | 227.197 | 227.197 |
| 5 | 1.36428 | 392.478 | 17.6037 | MD-D SAND/Silty SAND | 50 | 36 | 236.384 | 204.596 | 212.783 | 0 | 212.783 | 287.786 | 287.786 |
| 6 | 1.36428 | 472.402 | 18.2107 | MD-D SAND/Silty SAND | 50 | 36 | 273.113 | 236.386 | 256.539 | 0 | 256.539 | 346.39 | 346.39 |
| 7 | 1.36428 | 549.59 | 18.8198 | MD-D SAND/Silty SAND | 50 | 36 | 307.948 | 266.536 | 298.036 | 0 | 298.036 | 402.988 | 402.988 |
| 8 | 1.36428 | 624.012 | 19.4311 | MD-D SAND/Silty SAND | 50 | 36 | 340.907 | 295.063 | 337.3 | 0 | 337.3 | 457.56 | 457.56 |
| 9 | 1.36428 | 695.637 | 20.0447 | MD-D SAND/Silty SAND | 50 | 36 | 372.009 | 321.983 | 374.353 | 0 | 374.353 | 510.082 | 510.082 |
| 10 | 1.36428 | 764.433 | 20.6607 | MD-D SAND/Silty SAND | 50 | 36 | 401.275 | 347.313 | 409.216 | 0 | 409.216 | 560.531 | 560.531 |
| 11 | 1.36428 | 830.366 | 21.2793 | MD-D SAND/Silty SAND | 50 | 36 | 428.718 | 371.066 | 441.909 | 0 | 441.909 | 608.88 | 608.88 |
| 12 | 1.36428 | 893.4 | 21.9004 | MD-D SAND/Silty SAND | 50 | 36 | 454.356 | 393.256 | 472.452 | 0 | 472.452 | 655.105 | 655.105 |
| 13 | 1.36428 | 953.497 | 22.5243 | MD-D SAND/Silty SAND | 50 | 36 | 478.204 | 413.897 | 500.861 | 0 | 500.861 | 699.177 | 699.177 |
| 14 | 1.36428 | 1010.62 | 23.151 | MD-D SAND/Silty SAND | 50 | 36 | 500.276 | 433.001 | 527.156 | 0 | 527.156 | 741.068 | 741.068 |
| 15 | 1.36428 | 1064.72 | 23.7806 | MD-D SAND/Silty SAND | 50 | 36 | 520.586 | 450.58 | 551.351 | 0 | 551.351 | 780.747 | 780.747 |
| 16 | 1.36428 | 1115.77 | 24.4133 | MD-D SAND/Silty SAND | 50 | 36 | 539.149 | 466.646 | 573.463 | 0 | 573.463 | 818.183 | 818.183 |
| 17 | 1.36428 | 1163.7 | 25.0492 | MD-D SAND/Silty SAND | 50 | 36 | 555.972 | 481.207 | 593.505 | 0 | 593.505 | 853.341 | 853.341 |
| 18 | 1.36428 | 1208.48 | 25.6884 | MD-D SAND/Silty SAND | 50 | 36 | 571.069 | 494.274 | 611.491 | 0 | 611.491 | 886.186 | 886.186 |
| 19 | 1.36428 | 1250.06 | 26.3311 | MD-D SAND/Silty SAND | 50 | 36 | 584.452 | 505.857 | 627.433 | 0 | 627.433 | 916.682 | 916.682 |
| 20 | 1.36428 | 1288.38 | 26.9773 | MD-D SAND/Silty SAND | 50 | 36 | 596.128 | 515.963 | 641.343 | 0 | 641.343 | 944.789 | 944.789 |
| 21 | 1.36428 | 1323.38 | 27.6273 | MD-D SAND/Silty SAND | 50 | 36 | 606.108 | 524.601 | 653.233 | 0 | 653.233 | 970.467 | 970.467 |
| 22 | 1.36428 | 1355.02 | 28.2812 | MD-D SAND/Silty SAND | 50 | 36 | 614.399 | 531.777 | 663.109 | 0 | 663.109 | 993.668 | 993.668 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | 1.36428 | 1383.21 | 28.9391 | MD-D SAND/Silty SAND | 50 | 36 | 621.011 | 537.5 | 670.983 | 0 | 670.983 | 1014.35 | 1014.35 |
| 24 | 1.36428 | 1407.91 | 29.6012 | MD-D SAND/Silty SAND | 50 | 36 | 625.949 | 541.774 | 676.867 | 0 | 676.867 | 1032.47 | 1032.47 |
| 25 | 1.36428 | 1429.04 | 30.2677 | MD-D SAND/Silty SAND | 50 | 36 | 629.221 | 544.606 | 680.768 | 0 | 680.768 | 1047.98 | 1047.98 |
| 26 | 1.36428 | 1446.53 | 30.9387 | MD-D SAND/Silty SAND | 50 | 36 | 630.833 | 546.001 | 682.689 | 0 | 682.689 | 1060.81 | 1060.81 |
| 27 | 1.36428 | 1460.3 | 31.6145 | MD-D SAND/Silty SAND | 50 | 36 | 630.789 | 545.963 | 682.634 | 0 | 682.634 | 1070.92 | 1070.92 |
| 28 | 1.36428 | 1470.27 | 32.2953 | MD-D SAND/Silty SAND | 50 | 36 | 629.095 | 544.497 | 680.617 | 0 | 680.617 | 1078.24 | 1078.24 |
| 29 | 1.36428 | 1476.36 | 32.9811 | MD-D SAND/Silty SAND | 50 | 36 | 625.755 | 541.606 | 676.636 | 0 | 676.636 | 1082.71 | 1082.71 |
| 30 | 1.36428 | 1478.47 | 33.6724 | MD-D SAND/Silty SAND | 50 | 36 | 620.773 | 537.294 | 670.704 | 0 | 670.704 | 1084.28 | 1084.28 |
| 31 | 1.36428 | 1476.52 | 34.3693 | MD-D SAND/Silty SAND | 50 | 36 | 614.153 | 531.564 | 662.818 | 0 | 662.818 | 1082.85 | 1082.85 |
| 32 | 1.36428 | 1470.39 | 35.072 | MD-D SAND/Silty SAND | 50 | 36 | 605.895 | 524.417 | 652.979 | 0 | 652.979 | 1078.37 | 1078.37 |
| 33 | 1.36428 | 1459.98 | 35.7808 | MD-D SAND/Silty SAND | 50 | 36 | 596.004 | 515.856 | 641.198 | 0 | 641.198 | 1070.75 | 1070.75 |
| 34 | 1.36428 | 1445.18 | 36.496 | MD-D SAND/Silty SAND | 50 | 36 | 584.482 | 505.883 | 627.473 | 0 | 627.473 | 1059.9 | 1059.9 |
| 35 | 1.36428 | 1425.86 | 37.2178 | MD-D SAND/Silty SAND | 50 | 36 | 571.329 | 494.499 | 611.803 | 0 | 611.803 | 1045.75 | 1045.75 |
| 36 | 1.36428 | 1401.9 | 37.9467 | MD-D SAND/Silty SAND | 50 | 36 | 556.547 | 481.705 | 594.19 | 0 | 594.19 | 1028.18 | 1028.18 |
| 37 | 1.36428 | 1373.16 | 38.6828 | MD-D SAND/Silty SAND | 50 | 36 | 540.138 | 467.502 | 574.644 | 0 | 574.644 | 1007.11 | 1007.11 |
| 38 | 1.36428 | 1339.48 | 39.4266 | MD-D SAND/Silty SAND | 50 | 36 | 522.099 | 451.889 | 553.154 | 0 | 553.154 | 982.416 | 982.416 |
| 39 | 1.36428 | 1300.71 | 40.1784 | MD-D SAND/Silty SAND | 50 | 36 | 502.434 | 434.869 | 529.726 | 0 | 529.726 | 953.992 | 953.992 |
| 40 | 1.36428 | 1256.68 | 40.9387 | MD-D SAND/Silty SAND | 50 | 36 | 481.142 | 416.44 | 504.362 | 0 | 504.362 | 921.709 | 921.709 |
| 41 | 1.36428 | 1207.2 | 41.7078 | MD-D SAND/Silty SAND | 50 | 36 | 458.224 | 396.604 | 477.059 | 0 | 477.059 | 885.434 | 885.434 |
| 42 | 1.36428 | 1152.09 | 42.4862 | MD-D SAND/Silty SAND | 50 | 36 | 433.679 | 375.36 | 447.82 | 0 | 447.82 | 845.021 | 845.021 |
| 43 | 1.36428 | 1090.9 | 43.2744 | MD-D SAND/Silty SAND | 50 | 36 | 407.432 | 352.642 | 416.552 | 0 | 416.552 | 800.153 | 800.153 |
| 44 | 1.36428 | 1003.93 | 44.073 | MD-D SAND/Silty SAND | 50 | 36 | 372.869 | 322.727 | 375.376 | 0 | 375.376 | 736.371 | 736.371 |
| 45 | 1.36428 | 897.905 | 44.8825 | MD-D SAND/Silty SAND | 50 | 36 | 332.587 | 287.862 | 327.388 | 0 | 327.388 | 658.614 | 658.614 |
| 46 | 1.36428 | 785.282 | 45.7036 | MD-D SAND/Silty SAND | 50 | 36 | 290.971 | 251.842 | 277.811 | 0 | 277.811 | 576.017 | 576.017 |
| 47 | 1.36428 | 665.77 | 46.5369 | MD-D SAND/Silty SAND | 50 | 36 | 248.03 | 214.676 | 226.657 | 0 | 226.657 | 488.364 | 488.364 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 1.36428 | 539.046 | 47.3832 | MD-D SAND/Silty SAND | 50 | 36 | 203.781 | 176.377 | 173.943 | 0 | 173.943 | 395.422 | 395.422 |
| 49 | 1.36428 | 386.473 | 48.2433 | MD-D SAND/Silty SAND | 50 | 36 | 152.432 | 131.933 | 112.772 | 0 | 112.772 | 283.517 | 283.517 |
| 50 | 1.36428 | 134.379 | 49.1182 | MD-D SAND/Silty SAND | 50 | 36 | 71.3552 | 61.7596 | 16.1857 | 0 | 16.1857 | 98.6131 | 98.6131 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.830664

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.34465 | 55.379 | 10.0159 | MD-D SAND/Silty SAND | 50 | 36 | 83.3426 | 69.2297 | 26.4674 | 0 | 26.4674 | 41.1868 | 41.1868 |
| 2 | 1.34465 | 164.575 | 10.7817 | MD-D SAND/Silty SAND | 50 | 36 | 143.368 | 119.091 | 95.0953 | 0 | 95.0953 | 122.397 | 122.397 |
| 3 | 1.34465 | 270.637 | 11.5495 | MD-D SAND/Silty SAND | 50 | 36 | 200.417 | 166.479 | 160.319 | 0 | 160.319 | 201.275 | 201.275 |
| 4 | 1.34465 | 373.539 | 12.3195 | MD-D SAND/Silty SAND | 50 | 36 | 254.552 | 211.447 | 222.212 | 0 | 222.212 | 277.804 | 277.804 |
| 5 | 1.34465 | 473.254 | 13.0917 | MD-D SAND/Silty SAND | 50 | 36 | 305.831 | 254.043 | 280.84 | 0 | 280.84 | 351.963 | 351.963 |
| 6 | 1.34465 | 569.753 | 13.8663 | MD-D SAND/Silty SAND | 50 | 36 | 354.311 | 294.313 | 336.268 | 0 | 336.268 | 423.73 | 423.73 |
| 7 | 1.34465 | 663.004 | 14.6435 | MD-D SAND/Silty SAND | 50 | 36 | 400.043 | 332.301 | 388.554 | 0 | 388.554 | 493.082 | 493.082 |
| 8 | 1.34465 | 752.974 | 15.4235 | MD-D SAND/Silty SAND | 50 | 36 | 443.077 | 368.048 | 437.755 | 0 | 437.755 | 559.994 | 559.994 |
| 9 | 1.34465 | 839.626 | 16.2064 | MD-D SAND/Silty SAND | 50 | 36 | 483.458 | 401.591 | 483.923 | 0 | 483.923 | 624.439 | 624.439 |
| 10 | 1.34465 | 922.923 | 16.9925 | MD-D SAND/Silty SAND | 50 | 36 | 521.229 | 432.966 | 527.107 | 0 | 527.107 | 686.388 | 686.388 |
| 11 | 1.34465 | 1002.82 | 17.7818 | MD-D SAND/Silty SAND | 50 | 36 | 556.431 | 462.207 | 567.354 | 0 | 567.354 | 745.81 | 745.81 |
| 12 | 1.34465 | 1079.28 | 18.5747 | MD-D SAND/Silty SAND | 50 | 36 | 589.102 | 489.346 | 604.708 | 0 | 604.708 | 802.673 | 802.673 |
| 13 | 1.34465 | 1152.25 | 19.3713 | MD-D SAND/Silty SAND | 50 | 36 | 619.277 | 514.411 | 639.207 | 0 | 639.207 | 856.94 | 856.94 |
| 14 | 1.34465 | 1221.67 | 20.1718 | MD-D SAND/Silty SAND | 50 | 36 | 646.991 | 537.432 | 670.892 | 0 | 670.892 | 908.576 | 908.576 |
| 15 | 1.34465 | 1287.51 | 20.9764 | MD-D SAND/Silty SAND | 50 | 36 | 672.272 | 558.432 | 699.796 | 0 | 699.796 | 957.539 | 957.539 |
| 16 | 1.34465 | 1349.69 | 21.7853 | MD-D SAND/Silty SAND | 50 | 36 | 695.15 | 577.436 | 725.951 | 0 | 725.951 | 1003.78 | 1003.78 |
| 17 | 1.34465 | 1408.16 | 22.5989 | MD-D SAND/Silty SAND | 50 | 36 | 715.652 | 594.466 | 749.393 | 0 | 749.393 | 1047.27 | 1047.27 |
| 18 | 1.34465 | 1462.86 | 23.4173 | MD-D SAND/Silty SAND | 50 | 36 | 733.802 | 609.543 | 770.145 | 0 | 770.145 | 1087.95 | 1087.95 |
| 19 | 1.34465 | 1513.7 | 24.2408 | MD-D SAND/Silty SAND | 50 | 36 | 749.624 | 622.686 | 788.233 | 0 | 788.233 | 1125.77 | 1125.77 |
| 20 | 1.34465 | 1560.63 | 25.0697 | MD-D SAND/Silty SAND | 50 | 36 | 763.139 | 633.912 | 803.683 | 0 | 803.683 | 1160.67 | 1160.67 |
| 21 | 1.34465 | 1603.56 | 25.9042 | MD-D SAND/Silty SAND | 50 | 36 | 774.365 | 643.237 | 816.519 | 0 | 816.519 | 1192.6 | 1192.6 |
| 22 | 1.34465 | 1642.41 | 26.7446 | MD-D SAND/Silty SAND | 50 | 36 | 783.32 | 650.676 | 826.759 | 0 | 826.759 | 1221.49 | 1221.49 |
| 23 | 1.34465 | 1677.08 | 27.5914 | MD-D SAND/Silty SAND | 50 | 36 | 790.02 | 656.241 | 834.419 | 0 | 834.419 | 1247.28 | 1247.28 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 1.34465 | 1707.48 | 28.4447 | MD-D SAND/Silty SAND | 50 | 36 | 794.48 | 659.946 | 839.518 | 0 | 839.518 | 1269.89 | 1269.89 |
| 25 | 1.34465 | 1733.51 | 29.3049 | MD-D SAND/Silty SAND | 50 | 36 | 796.711 | 661.799 | 842.07 | 0 | 842.07 | 1289.25 | 1289.25 |
| 26 | 1.34465 | 1755.06 | 30.1725 | MD-D SAND/Silty SAND | 50 | 36 | 796.725 | 661.811 | 842.089 | 0 | 842.089 | 1305.28 | 1305.28 |
| 27 | 1.34465 | 1772 | 31.0478 | MD-D SAND/Silty SAND | 50 | 36 | 794.533 | 659.99 | 839.577 | 0 | 839.577 | 1317.88 | 1317.88 |
| 28 | 1.34465 | 1784.22 | 31.9312 | MD-D SAND/Silty SAND | 50 | 36 | 790.141 | 656.342 | 834.557 | 0 | 834.557 | 1326.97 | 1326.97 |
| 29 | 1.34465 | 1791.58 | 32.8232 | MD-D SAND/Silty SAND | 50 | 36 | 783.557 | 650.873 | 827.034 | 0 | 827.034 | 1332.45 | 1332.45 |
| 30 | 1.34465 | 1793.93 | 33.7242 | MD-D SAND/Silty SAND | 50 | 36 | 774.787 | 643.588 | 817.003 | 0 | 817.003 | 1334.19 | 1334.19 |
| 31 | 1.34465 | 1791.11 | 34.6348 | MD-D SAND/Silty SAND | 50 | 36 | 763.835 | 634.49 | 804.481 | 0 | 804.481 | 1332.1 | 1332.1 |
| 32 | 1.34465 | 1782.95 | 35.5555 | MD-D SAND/Silty SAND | 50 | 36 | 750.703 | 623.582 | 789.471 | 0 | 789.471 | 1326.04 | 1326.04 |
| 33 | 1.34465 | 1769.28 | 36.4869 | MD-D SAND/Silty SAND | 50 | 36 | 735.394 | 610.865 | 771.966 | 0 | 771.966 | 1315.87 | 1315.87 |
| 34 | 1.34465 | 1749.88 | 37.4297 | MD-D SAND/Silty SAND | 50 | 36 | 717.906 | 596.339 | 751.973 | 0 | 751.973 | 1301.44 | 1301.44 |
| 35 | 1.34465 | 1724.54 | 38.3844 | MD-D SAND/Silty SAND | 50 | 36 | 698.243 | 580.005 | 729.489 | 0 | 729.489 | 1282.6 | 1282.6 |
| 36 | 1.34465 | 1693.04 | 39.352 | MD-D SAND/Silty SAND | 50 | 36 | 676.4 | 561.861 | 704.514 | 0 | 704.514 | 1259.17 | 1259.17 |
| 37 | 1.34465 | 1655.1 | 40.3332 | MD-D SAND/Silty SAND | 50 | 36 | 652.376 | 541.905 | 677.052 | 0 | 677.052 | 1230.96 | 1230.96 |
| 38 | 1.34465 | 1610.44 | 41.3288 | MD-D SAND/Silty SAND | 50 | 36 | 626.168 | 520.135 | 647.085 | 0 | 647.085 | 1197.75 | 1197.75 |
| 39 | 1.34465 | 1558.77 | 42.3399 | MD-D SAND/Silty SAND | 50 | 36 | 597.772 | 496.548 | 614.619 | 0 | 614.619 | 1159.31 | 1159.31 |
| 40 | 1.34465 | 1499.73 | 43.3676 | MD-D SAND/Silty SAND | 50 | 36 | 567.187 | 471.142 | 579.65 | 0 | 579.65 | 1115.4 | 1115.4 |
| 41 | 1.34465 | 1432.95 | 44.4129 | MD-D SAND/Silty SAND | 50 | 36 | 534.406 | 443.912 | 542.175 | 0 | 542.175 | 1065.74 | 1065.74 |
| 42 | 1.34465 | 1358 | 45.4773 | MD-D SAND/Silty SAND | 50 | 36 | 499.428 | 414.857 | 502.182 | 0 | 502.182 | 1010 | 1010 |
| 43 | 1.34465 | 1274.43 | 46.5623 | MD-D SAND/Silty SAND | 50 | 36 | 462.249 | 383.974 | 459.676 | 0 | 459.676 | 947.847 | 947.847 |
| 44 | 1.34465 | 1177.64 | 47.6693 | MD-D SAND/Silty SAND | 50 | 36 | 421.522 | 350.143 | 413.111 | 0 | 413.111 | 875.86 | 875.86 |
| 45 | 1.34465 | 1047.31 | 48.8005 | MD-D SAND/Silty SAND | 50 | 36 | 370.907 | 308.099 | 355.242 | 0 | 355.242 | 778.933 | 778.933 |
| 46 | 1.34465 | 902.702 | 49.9577 | MD-D SAND/Silty SAND | 50 | 36 | 317.237 | 263.517 | 293.881 | 0 | 293.881 | 671.382 | 671.382 |
| 47 | 1.34465 | 746.915 | 51.1435 | MD-D SAND/Silty SAND | 50 | 36 | 261.827 | 217.49 | 230.529 | 0 | 230.529 | 555.519 | 555.519 |
| 48 | 1.34465 | 579.069 | 52.3606 | MD-D SAND/Silty SAND | 50 | 36 | 204.716 | 170.05 | 165.235 | 0 | 165.235 | 430.685 | 430.685 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | 1.34465 | 398.145 | 53.6122 | MD-D SAND/Silty SAND | 50 | 36 | 145.961 | 121.244 | 98.0594 | 0 | 98.0594 | 296.124 | 296.124 |
| 50 | 1.34465 | 159.541 | 54.9021 | MD-D SAND/Silty SAND | 50 | 36 | 73.0564 | 60.6853 | 14.707 | 0 | 14.707 | 118.664 | 118.664 |

# Cross Section HH-HH' - Master Scenario

## Global Minimum Query (bishop simplified) - Safety Factor: 1.62684

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.9702 | 88.0662 | 8.96903 | MD-D SAND/Silty SAND | 50 | 36 | 47.3649 | 77.0551 | 37.2382 | 0 | 37.2382 | 44.7138 | 44.7138 |
| 2 | 1.9702 | 261.321 | 9.63082 | MD-D SAND/Silty SAND | 50 | 36 | 83.6434 | 136.075 | 118.472 | 0 | 118.472 | 132.665 | 132.665 |
| 3 | 1.9702 | 428.805 | 10.2939 | MD-D SAND/Silty SAND | 50 | 36 | 118.353 | 192.542 | 196.192 | 0 | 196.192 | 217.688 | 217.688 |
| 4 | 1.9702 | 590.481 | 10.9584 | MD-D SAND/Silty SAND | 50 | 36 | 151.507 | 246.478 | 270.428 | 0 | 270.428 | 299.764 | 299.764 |
| 5 | 1.9702 | 746.312 | 11.6244 | MD-D SAND/Silty SAND | 50 | 36 | 183.116 | 297.9 | 341.205 | 0 | 341.205 | 378.874 | 378.874 |
| 6 | 1.9702 | 896.257 | 12.292 | MD-D SAND/Silty SAND | 50 | 36 | 213.19 | 346.826 | 408.546 | 0 | 408.546 | 454.998 | 454.998 |
| 7 | 1.9702 | 1040.27 | 12.9613 | MD-D SAND/Silty SAND | 50 | 36 | 241.74 | 393.273 | 472.475 | 0 | 472.475 | 528.113 | 528.113 |
| 8 | 1.9702 | 1178.31 | 13.6324 | MD-D SAND/Silty SAND | 50 | 36 | 268.776 | 437.255 | 533.012 | 0 | 533.012 | 598.196 | 598.196 |
| 9 | 1.9702 | 1310.32 | 14.3054 | MD-D SAND/Silty SAND | 50 | 36 | 294.304 | 478.786 | 590.171 | 0 | 590.171 | 665.217 | 665.217 |
| 10 | 1.9702 | 1436.26 | 14.9804 | MD-D SAND/Silty SAND | 50 | 36 | 318.333 | 517.877 | 643.978 | 0 | 643.978 | 729.158 | 729.158 |
| 11 | 1.9702 | 1556.05 | 15.6575 | MD-D SAND/Silty SAND | 50 | 36 | 340.87 | 554.541 | 694.44 | 0 | 694.44 | 789.982 | 789.982 |
| 12 | 1.9702 | 1669.66 | 16.337 | MD-D SAND/Silty SAND | 50 | 36 | 361.921 | 588.788 | 741.579 | 0 | 741.579 | 847.666 | 847.666 |
| 13 | 1.9702 | 1777 | 17.0187 | MD-D SAND/Silty SAND | 50 | 36 | 381.491 | 620.625 | 785.396 | 0 | 785.396 | 902.166 | 902.166 |
| 14 | 1.9702 | 1878.01 | 17.703 | MD-D SAND/Silty SAND | 50 | 36 | 399.585 | 650.061 | 825.914 | 0 | 825.914 | 953.461 | 953.461 |
| 15 | 1.9702 | 1972.63 | 18.3899 | MD-D SAND/Silty SAND | 50 | 36 | 416.208 | 677.104 | 863.133 | 0 | 863.133 | 1001.51 | 1001.51 |
| 16 | 1.9702 | 2060.78 | 19.0795 | MD-D SAND/Silty SAND | 50 | 36 | 431.362 | 701.757 | 897.066 | 0 | 897.066 | 1046.27 | 1046.27 |
| 17 | 1.9702 | 2142.37 | 19.7721 | MD-D SAND/Silty SAND | 50 | 36 | 445.051 | 724.026 | 927.716 | 0 | 927.716 | 1087.7 | 1087.7 |
| 18 | 1.9702 | 2217.32 | 20.4676 | MD-D SAND/Silty SAND | 50 | 36 | 457.276 | 743.915 | 955.094 | 0 | 955.094 | 1125.77 | 1125.77 |
| 19 | 1.9702 | 2285.55 | 21.1663 | MD-D SAND/Silty SAND | 50 | 36 | 468.039 | 761.424 | 979.193 | 0 | 979.193 | 1160.42 | 1160.42 |
| 20 | 1.9702 | 2346.95 | 21.8684 | MD-D SAND/Silty SAND | 50 | 36 | 477.341 | 776.557 | 1000.02 | 0 | 1000.02 | 1191.6 | 1191.6 |
| 21 | 1.9702 | 2401.44 | 22.5739 | MD-D SAND/Silty SAND | 50 | 36 | 485.181 | 789.312 | 1017.58 | 0 | 1017.58 | 1219.28 | 1219.28 |
| 22 | 1.9702 | 2448.9 | 23.283 | MD-D SAND/Silty SAND | 50 | 36 | 491.56 | 799.69 | 1031.86 | 0 | 1031.86 | 1243.39 | 1243.39 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | 1.9702 | 2489.22 | 23.9959 | MD-D SAND/Silty SAND | 50 | 36 | 496.477 | 807.688 | 1042.87 | 0 | 1042.87 | 1263.87 | 1263.87 |
| 24 | 1.9702 | 2522.29 | 24.7128 | MD-D SAND/Silty SAND | 50 | 36 | 499.928 | 813.303 | 1050.59 | 0 | 1050.59 | 1280.67 | 1280.67 |
| 25 | 1.9702 | 2547.98 | 25.4339 | MD-D SAND/Silty SAND | 50 | 36 | 501.912 | 816.531 | 1055.04 | 0 | 1055.04 | 1293.73 | 1293.73 |
| 26 | 1.9702 | 2566.16 | 26.1593 | MD-D SAND/Silty SAND | 50 | 36 | 502.426 | 817.367 | 1056.19 | 0 | 1056.19 | 1302.97 | 1302.97 |
| 27 | 1.9702 | 2576.68 | 26.8892 | MD-D SAND/Silty SAND | 50 | 36 | 501.466 | 815.805 | 1054.04 | 0 | 1054.04 | 1308.33 | 1308.33 |
| 28 | 1.9702 | 2579.42 | 27.6239 | MD-D SAND/Silty SAND | 50 | 36 | 499.027 | 811.837 | 1048.58 | 0 | 1048.58 | 1309.73 | 1309.73 |
| 29 | 1.9702 | 2574.19 | 28.3635 | MD-D SAND/Silty SAND | 50 | 36 | 495.104 | 805.455 | 1039.79 | 0 | 1039.79 | 1307.09 | 1307.09 |
| 30 | 1.9702 | 2560.85 | 29.1084 | MD-D SAND/Silty SAND | 50 | 36 | 489.692 | 796.65 | 1027.68 | 0 | 1027.68 | 1300.33 | 1300.33 |
| 31 | 1.9702 | 2539.21 | 29.8587 | MD-D SAND/Silty SAND | 50 | 36 | 482.783 | 785.411 | 1012.21 | 0 | 1012.21 | 1289.36 | 1289.36 |
| 32 | 1.9702 | 2509.1 | 30.6146 | MD-D SAND/Silty SAND | 50 | 36 | 474.371 | 771.726 | 993.371 | 0 | 993.371 | 1274.08 | 1274.08 |
| 33 | 1.9702 | 2470.3 | 31.3765 | MD-D SAND/Silty SAND | 50 | 36 | 464.448 | 755.582 | 971.149 | 0 | 971.149 | 1254.39 | 1254.39 |
| 34 | 1.9702 | 2422.61 | 32.1447 | MD-D SAND/Silty SAND | 50 | 36 | 453.005 | 736.966 | 945.528 | 0 | 945.528 | 1230.19 | 1230.19 |
| 35 | 1.9702 | 2365.81 | 32.9193 | MD-D SAND/Silty SAND | 50 | 36 | 440.032 | 715.861 | 916.48 | 0 | 916.48 | 1201.36 | 1201.36 |
| 36 | 1.9702 | 2299.66 | 33.7008 | MD-D SAND/Silty SAND | 50 | 36 | 425.519 | 692.252 | 883.983 | 0 | 883.983 | 1167.78 | 1167.78 |
| 37 | 1.9702 | 2223.9 | 34.4895 | MD-D SAND/Silty SAND | 50 | 36 | 409.458 | 666.122 | 848.019 | 0 | 848.019 | 1129.32 | 1129.32 |
| 38 | 1.9702 | 2138.26 | 35.2857 | MD-D SAND/Silty SAND | 50 | 36 | 391.834 | 637.451 | 808.556 | 0 | 808.556 | 1085.84 | 1085.84 |
| 39 | 1.9702 | 2042.44 | 36.0899 | MD-D SAND/Silty SAND | 50 | 36 | 372.637 | 606.22 | 765.57 | 0 | 765.57 | 1037.2 | 1037.2 |
| 40 | 1.9702 | 1936.14 | 36.9023 | MD-D SAND/Silty SAND | 50 | 36 | 351.853 | 572.408 | 719.034 | 0 | 719.034 | 983.235 | 983.235 |
| 41 | 1.9702 | 1819.02 | 37.7235 | MD-D SAND/Silty SAND | 50 | 36 | 329.468 | 535.992 | 668.911 | 0 | 668.911 | 923.769 | 923.769 |
| 42 | 1.9702 | 1690.72 | 38.5539 | MD-D SAND/Silty SAND | 50 | 36 | 305.469 | 496.95 | 615.176 | 0 | 615.176 | 858.627 | 858.627 |
| 43 | 1.9702 | 1550.85 | 39.394 | MD-D SAND/Silty SAND | 50 | 36 | 279.842 | 455.258 | 557.788 | 0 | 557.788 | 787.604 | 787.604 |
| 44 | 1.9702 | 1398.99 | 40.2444 | MD-D SAND/Silty SAND | 50 | 36 | 252.569 | 410.89 | 496.72 | 0 | 496.72 | 710.494 | 710.494 |
| 45 | 1.9702 | 1234.69 | 41.1056 | MD-D SAND/Silty SAND | 50 | 36 | 223.635 | 363.819 | 431.934 | 0 | 431.934 | 627.062 | 627.062 |
| 46 | 1.9702 | 1057.44 | 41.9782 | MD-D SAND/Silty SAND | 50 | 36 | 193.025 | 314.02 | 363.393 | 0 | 363.393 | 537.06 | 537.06 |
| 47 | 1.9702 | 866.733 | 42.8629 | MD-D SAND/Silty SAND | 50 | 36 | 160.72 | 261.466 | 291.057 | 0 | 291.057 | 440.214 | 440.214 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 1.9702 | 661.4 | 43.7606 | MD-D SAND/Silty SAND | 50 | 36 | 126.614 | 205.981 | 214.689 | 0 | 214.689 | 335.94 | 335.94 |
| 49 | 1.9702 | 432.549 | 44.6719 | MD-D SAND/Silty SAND | 50 | 36 | 89.3926 | 145.427 | 131.345 | 0 | 131.345 | 219.719 | 219.719 |
| 50 | 2.23252 | 177.254 | 45.6605 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 87.4434 | 142.256 | -9.91125 | 0 | -9.91125 | 79.5719 | 79.5719 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.58157

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.92576 | 108.831 | 2.93647 | MD-D SAND/Silty SAND | 50 | 36 | 56.2509 | 88.9647 | 53.6305 | 0 | 53.6305 | 56.5159 | 56.5159 |
| 2 | 1.92576 | 322.936 | 3.81263 | MD-D SAND/Silty SAND | 50 | 36 | 105.424 | 166.736 | 160.673 | 0 | 160.673 | 167.699 | 167.699 |
| 3 | 1.92576 | 529.917 | 4.68968 | MD-D SAND/Silty SAND | 50 | 36 | 152.289 | 240.856 | 262.691 | 0 | 262.691 | 275.184 | 275.184 |
| 4 | 1.92576 | 729.749 | 5.56784 | MD-D SAND/Silty SAND | 50 | 36 | 196.883 | 311.384 | 359.764 | 0 | 359.764 | 378.957 | 378.957 |
| 5 | 1.92576 | 922.402 | 6.44732 | MD-D SAND/Silty SAND | 50 | 36 | 239.24 | 378.375 | 451.969 | 0 | 451.969 | 479.004 | 479.004 |
| 6 | 1.92576 | 1107.84 | 7.32832 | MD-D SAND/Silty SAND | 50 | 36 | 279.393 | 441.879 | 539.375 | 0 | 539.375 | 575.307 | 575.307 |
| 7 | 1.92576 | 1286.03 | 8.21107 | MD-D SAND/Silty SAND | 50 | 36 | 317.37 | 501.943 | 622.048 | 0 | 622.048 | 667.844 | 667.844 |
| 8 | 1.92576 | 1456.92 | 9.09578 | MD-D SAND/Silty SAND | 50 | 36 | 353.2 | 558.61 | 700.043 | 0 | 700.043 | 756.59 | 756.59 |
| 9 | 1.92576 | 1620.45 | 9.98269 | MD-D SAND/Silty SAND | 50 | 36 | 386.907 | 611.92 | 773.418 | 0 | 773.418 | 841.519 | 841.519 |
| 10 | 1.92576 | 1776.58 | 10.872 | MD-D SAND/Silty SAND | 50 | 36 | 418.514 | 661.909 | 842.218 | 0 | 842.218 | 922.599 | 922.599 |
| 11 | 1.92576 | 1925.23 | 11.764 | MD-D SAND/Silty SAND | 50 | 36 | 448.042 | 708.609 | 906.499 | 0 | 906.499 | 999.806 | 999.806 |
| 12 | 1.92576 | 2066.34 | 12.6589 | MD-D SAND/Silty SAND | 50 | 36 | 475.509 | 752.05 | 966.291 | 0 | 966.291 | 1073.09 | 1073.09 |
| 13 | 1.92576 | 2199.83 | 13.557 | MD-D SAND/Silty SAND | 50 | 36 | 500.932 | 792.259 | 1021.63 | 0 | 1021.63 | 1142.42 | 1142.42 |
| 14 | 1.92576 | 2325.62 | 14.4584 | MD-D SAND/Silty SAND | 50 | 36 | 524.326 | 829.259 | 1072.56 | 0 | 1072.56 | 1207.75 | 1207.75 |
| 15 | 1.92576 | 2443.61 | 15.3635 | MD-D SAND/Silty SAND | 50 | 36 | 545.705 | 863.071 | 1119.09 | 0 | 1119.09 | 1269.03 | 1269.03 |
| 16 | 1.92576 | 2553.71 | 16.2726 | MD-D SAND/Silty SAND | 50 | 36 | 565.08 | 893.713 | 1161.27 | 0 | 1161.27 | 1326.22 | 1326.22 |
| 17 | 1.92576 | 2655.81 | 17.1859 | MD-D SAND/Silty SAND | 50 | 36 | 582.459 | 921.199 | 1199.1 | 0 | 1199.1 | 1379.25 | 1379.25 |
| 18 | 1.92576 | 2749.79 | 18.1038 | MD-D SAND/Silty SAND | 50 | 36 | 597.852 | 945.544 | 1232.61 | 0 | 1232.61 | 1428.06 | 1428.06 |
| 19 | 1.92576 | 2835.52 | 19.0264 | MD-D SAND/Silty SAND | 50 | 36 | 611.263 | 966.755 | 1261.8 | 0 | 1261.8 | 1472.59 | 1472.59 |
| 20 | 1.92576 | 2912.88 | 19.9542 | MD-D SAND/Silty SAND | 50 | 36 | 622.698 | 984.841 | 1286.7 | 0 | 1286.7 | 1512.78 | 1512.78 |
| 21 | 1.92576 | 2981.72 | 20.8875 | MD-D SAND/Silty SAND | 50 | 36 | 632.16 | 999.806 | 1307.3 | 0 | 1307.3 | 1548.54 | 1548.54 |
| 22 | 1.92576 | 3041.88 | 21.8267 | MD-D SAND/Silty SAND | 50 | 36 | 639.65 | 1011.65 | 1323.6 | 0 | 1323.6 | 1579.79 | 1579.79 |
| 23 | 1.92576 | 3093.19 | 22.7721 | MD-D SAND/Silty SAND | 50 | 36 | 645.167 | 1020.38 | 1335.61 | 0 | 1335.61 | 1606.44 | 1606.44 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 1.92576 | 3135.47 | 23.724 | MD-D SAND/Silty SAND | 50 | 36 | 648.71 | 1025.98 | 1343.32 | 0 | 1343.32 | 1628.41 | 1628.41 |
| 25 | 1.92576 | 3168.52 | 24.683 | MD-D SAND/Silty SAND | 50 | 36 | 650.274 | 1028.45 | 1346.73 | 0 | 1346.73 | 1645.58 | 1645.58 |
| 26 | 1.92576 | 3192.14 | 25.6494 | MD-D SAND/Silty SAND | 50 | 36 | 649.855 | 1027.79 | 1345.81 | 0 | 1345.81 | 1657.86 | 1657.86 |
| 27 | 1.92576 | 3206.09 | 26.6236 | MD-D SAND/Silty SAND | 50 | 36 | 647.445 | 1023.98 | 1340.57 | 0 | 1340.57 | 1665.12 | 1665.12 |
| 28 | 1.92576 | 3210.14 | 27.6063 | MD-D SAND/Silty SAND | 50 | 36 | 643.035 | 1017 | 1330.97 | 0 | 1330.97 | 1667.23 | 1667.23 |
| 29 | 1.92576 | 3204.01 | 28.5979 | MD-D SAND/Silty SAND | 50 | 36 | 636.615 | 1006.85 | 1316.99 | 0 | 1316.99 | 1664.06 | 1664.06 |
| 30 | 1.92576 | 3187.43 | 29.5989 | MD-D SAND/Silty SAND | 50 | 36 | 628.173 | 993.5 | 1298.62 | 0 | 1298.62 | 1655.45 | 1655.45 |
| 31 | 1.92576 | 3160.07 | 30.61 | MD-D SAND/Silty SAND | 50 | 36 | 617.694 | 976.927 | 1275.81 | 0 | 1275.81 | 1641.25 | 1641.25 |
| 32 | 1.92576 | 3121.61 | 31.6317 | MD-D SAND/Silty SAND | 50 | 36 | 605.164 | 957.109 | 1248.53 | 0 | 1248.53 | 1621.29 | 1621.29 |
| 33 | 1.92576 | 3071.68 | 32.6648 | MD-D SAND/Silty SAND | 50 | 36 | 590.563 | 934.016 | 1216.74 | 0 | 1216.74 | 1595.37 | 1595.37 |
| 34 | 1.92576 | 3009.88 | 33.7099 | MD-D SAND/Silty SAND | 50 | 36 | 573.872 | 907.618 | 1180.41 | 0 | 1180.41 | 1563.28 | 1563.28 |
| 35 | 1.92576 | 2935.78 | 34.768 | MD-D SAND/Silty SAND | 50 | 36 | 555.069 | 877.88 | 1139.48 | 0 | 1139.48 | 1524.8 | 1524.8 |
| 36 | 1.92576 | 2848.91 | 35.8398 | MD-D SAND/Silty SAND | 50 | 36 | 534.131 | 844.765 | 1093.9 | 0 | 1093.9 | 1479.69 | 1479.69 |
| 37 | 1.92576 | 2748.75 | 36.9263 | MD-D SAND/Silty SAND | 50 | 36 | 511.031 | 808.232 | 1043.62 | 0 | 1043.62 | 1427.68 | 1427.68 |
| 38 | 1.92576 | 2634.72 | 38.0285 | MD-D SAND/Silty SAND | 50 | 36 | 485.743 | 768.236 | 988.567 | 0 | 988.567 | 1368.46 | 1368.46 |
| 39 | 1.92576 | 2506.2 | 39.1476 | MD-D SAND/Silty SAND | 50 | 36 | 458.236 | 724.732 | 928.687 | 0 | 928.687 | 1301.72 | 1301.72 |
| 40 | 1.92576 | 2362.49 | 40.2847 | MD-D SAND/Silty SAND | 50 | 36 | 428.477 | 677.667 | 863.91 | 0 | 863.91 | 1227.09 | 1227.09 |
| 41 | 1.92576 | 2202.83 | 41.4414 | MD-D SAND/Silty SAND | 50 | 36 | 396.434 | 626.988 | 794.156 | 0 | 794.156 | 1144.17 | 1144.17 |
| 42 | 1.92576 | 2026.35 | 42.619 | MD-D SAND/Silty SAND | 50 | 36 | 362.07 | 572.639 | 719.351 | 0 | 719.351 | 1052.51 | 1052.51 |
| 43 | 1.92576 | 1832.09 | 43.8194 | MD-D SAND/Silty SAND | 50 | 36 | 325.348 | 514.561 | 639.411 | 0 | 639.411 | 951.62 | 951.62 |
| 44 | 1.92576 | 1618.97 | 45.0444 | MD-D SAND/Silty SAND | 50 | 36 | 286.229 | 452.691 | 554.256 | 0 | 554.256 | 840.929 | 840.929 |
| 45 | 1.92576 | 1385.75 | 46.2963 | MD-D SAND/Silty SAND | 50 | 36 | 244.673 | 386.968 | 463.796 | 0 | 463.796 | 719.799 | 719.799 |
| 46 | 1.92576 | 1131.04 | 47.5775 | MD-D SAND/Silty SAND | 50 | 36 | 200.642 | 317.329 | 367.948 | 0 | 367.948 | 587.506 | 587.506 |
| 47 | 1.92576 | 853.235 | 48.8909 | MD-D SAND/Silty SAND | 50 | 36 | 154.096 | 243.714 | 266.624 | 0 | 266.624 | 443.211 | 443.211 |
| 48 | 1.92576 | 550.475 | 50.2397 | MD-D SAND/Silty SAND | 50 | 36 | 105 | 166.065 | 159.75 | 0 | 159.75 | 285.953 | 285.953 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | 1.92576 | 220.357 | 51.628 | MD-D SAND/Silty SAND | 50 | 36 | 53.2883 | 84.2792 | 47.1812 | 0 | 47.1812 | 114.482 | 114.482 |
| 50 | 0.224203 | 2.68931 | 52.4159 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 61.3951 | 97.1006 | -67.7081 | 0 | -67.7081 | 12.0609 | 12.0609 |

## Cross Section HH-HH' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 1.01361

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.3166 | 127.438 | 8.01967 | MD-D SAND/Silty SAND | 50 | 36 | 80.5974 | 81.6943 | 43.6234 | 0 | 43.6234 | 54.9788 | 54.9788 |
| 2 | 2.3166 | 378.315 | 8.68859 | MD-D SAND/Silty SAND | 50 | 36 | 149.917 | 151.957 | 140.331 | 0 | 140.331 | 163.241 | 163.241 |
| 3 | 2.3166 | 621.168 | 9.35871 | MD-D SAND/Silty SAND | 50 | 36 | 215.944 | 218.883 | 232.448 | 0 | 232.448 | 268.037 | 268.037 |
| 4 | 2.3166 | 855.955 | 10.0301 | MD-D SAND/Silty SAND | 50 | 36 | 278.735 | 282.529 | 320.049 | 0 | 320.049 | 369.348 | 369.348 |
| 5 | 2.3166 | 1082.63 | 10.7029 | MD-D SAND/Silty SAND | 50 | 36 | 338.341 | 342.946 | 403.205 | 0 | 403.205 | 467.153 | 467.153 |
| 6 | 2.3166 | 1301.13 | 11.3772 | MD-D SAND/Silty SAND | 50 | 36 | 394.81 | 400.183 | 481.986 | 0 | 481.986 | 561.431 | 561.431 |
| 7 | 2.3166 | 1511.41 | 12.0531 | MD-D SAND/Silty SAND | 50 | 36 | 448.187 | 454.287 | 556.454 | 0 | 556.454 | 652.153 | 652.153 |
| 8 | 2.3166 | 1713.4 | 12.7308 | MD-D SAND/Silty SAND | 50 | 36 | 498.519 | 505.304 | 626.673 | 0 | 626.673 | 739.301 | 739.301 |
| 9 | 2.3166 | 1907.04 | 13.4102 | MD-D SAND/Silty SAND | 50 | 36 | 545.845 | 553.274 | 692.697 | 0 | 692.697 | 822.838 | 822.838 |
| 10 | 2.3166 | 2092.26 | 14.0915 | MD-D SAND/Silty SAND | 50 | 36 | 590.205 | 598.238 | 754.586 | 0 | 754.586 | 902.743 | 902.743 |
| 11 | 2.3166 | 2268.99 | 14.7749 | MD-D SAND/Silty SAND | 50 | 36 | 631.637 | 640.234 | 812.387 | 0 | 812.387 | 978.977 | 978.977 |
| 12 | 2.3166 | 2437.15 | 15.4605 | MD-D SAND/Silty SAND | 50 | 36 | 670.177 | 679.298 | 866.156 | 0 | 866.156 | 1051.51 | 1051.51 |
| 13 | 2.3166 | 2596.65 | 16.1483 | MD-D SAND/Silty SAND | 50 | 36 | 705.856 | 715.463 | 915.93 | 0 | 915.93 | 1120.31 | 1120.31 |
| 14 | 2.3166 | 2747.41 | 16.8385 | MD-D SAND/Silty SAND | 50 | 36 | 738.707 | 748.761 | 961.76 | 0 | 961.76 | 1185.33 | 1185.33 |
| 15 | 2.3166 | 2889.33 | 17.5313 | MD-D SAND/Silty SAND | 50 | 36 | 768.76 | 779.223 | 1003.69 | 0 | 1003.69 | 1246.54 | 1246.54 |
| 16 | 2.3166 | 3022.31 | 18.2267 | MD-D SAND/Silty SAND | 50 | 36 | 796.044 | 806.878 | 1041.75 | 0 | 1041.75 | 1303.89 | 1303.89 |
| 17 | 2.3166 | 3146.25 | 18.9249 | MD-D SAND/Silty SAND | 50 | 36 | 820.583 | 831.751 | 1075.99 | 0 | 1075.99 | 1357.33 | 1357.33 |
| 18 | 2.3166 | 3261.03 | 19.6261 | MD-D SAND/Silty SAND | 50 | 36 | 842.404 | 853.869 | 1106.43 | 0 | 1106.43 | 1406.83 | 1406.83 |
| 19 | 2.3166 | 3366.53 | 20.3303 | MD-D SAND/Silty SAND | 50 | 36 | 861.53 | 873.255 | 1133.11 | 0 | 1133.11 | 1452.32 | 1452.32 |
| 20 | 2.3166 | 3462.64 | 21.0377 | MD-D SAND/Silty SAND | 50 | 36 | 877.982 | 889.931 | 1156.06 | 0 | 1156.06 | 1493.75 | 1493.75 |
| 21 | 2.3166 | 3549.22 | 21.7485 | MD-D SAND/Silty SAND | 50 | 36 | 891.782 | 903.919 | 1175.32 | 0 | 1175.32 | 1531.08 | 1531.08 |
| 22 | 2.3166 | 3626.13 | 22.4628 | MD-D SAND/Silty SAND | 50 | 36 | 902.948 | 915.237 | 1190.89 | 0 | 1190.89 | 1564.22 | 1564.22 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | 2.3166 | 3693.21 | 23.1809 | MD-D SAND/Silty SAND | 50 | 36 | 911.499 | 923.904 | 1202.82 | 0 | 1202.82 | 1593.13 | 1593.13 |
| 24 | 2.3166 | 3750.32 | 23.9028 | MD-D SAND/Silty SAND | 50 | 36 | 917.45 | 929.936 | 1211.13 | 0 | 1211.13 | 1617.74 | 1617.74 |
| 25 | 2.3166 | 3797.29 | 24.6288 | MD-D SAND/Silty SAND | 50 | 36 | 920.818 | 933.35 | 1215.83 | 0 | 1215.83 | 1637.97 | 1637.97 |
| 26 | 2.3166 | 3833.94 | 25.359 | MD-D SAND/Silty SAND | 50 | 36 | 921.617 | 934.16 | 1216.94 | 0 | 1216.94 | 1653.75 | 1653.75 |
| 27 | 2.3166 | 3860.08 | 26.0936 | MD-D SAND/Silty SAND | 50 | 36 | 919.859 | 932.378 | 1214.49 | 0 | 1214.49 | 1665 | 1665 |
| 28 | 2.3166 | 3875.53 | 26.8329 | MD-D SAND/Silty SAND | 50 | 36 | 915.556 | 928.017 | 1208.48 | 0 | 1208.48 | 1671.63 | 1671.63 |
| 29 | 2.3166 | 3880.07 | 27.5771 | MD-D SAND/Silty SAND | 50 | 36 | 908.72 | 921.088 | 1198.95 | 0 | 1198.95 | 1673.56 | 1673.56 |
| 30 | 2.3166 | 3873.47 | 28.3263 | MD-D SAND/Silty SAND | 50 | 36 | 899.361 | 911.601 | 1185.89 | 0 | 1185.89 | 1670.68 | 1670.68 |
| 31 | 2.3166 | 3855.52 | 29.0809 | MD-D SAND/Silty SAND | 50 | 36 | 887.485 | 899.564 | 1169.32 | 0 | 1169.32 | 1662.9 | 1662.9 |
| 32 | 2.3166 | 3825.96 | 29.841 | MD-D SAND/Silty SAND | 50 | 36 | 873.104 | 884.987 | 1149.26 | 0 | 1149.26 | 1650.12 | 1650.12 |
| 33 | 2.3166 | 3784.51 | 30.607 | MD-D SAND/Silty SAND | 50 | 36 | 856.222 | 867.875 | 1125.71 | 0 | 1125.71 | 1632.22 | 1632.22 |
| 34 | 2.3166 | 3730.92 | 31.3791 | MD-D SAND/Silty SAND | 50 | 36 | 836.847 | 848.236 | 1098.68 | 0 | 1098.68 | 1609.07 | 1609.07 |
| 35 | 2.3166 | 3664.86 | 32.1575 | MD-D SAND/Silty SAND | 50 | 36 | 814.981 | 826.073 | 1068.17 | 0 | 1068.17 | 1580.55 | 1580.55 |
| 36 | 2.3166 | 3586.03 | 32.9427 | MD-D SAND/Silty SAND | 50 | 36 | 790.632 | 801.393 | 1034.21 | 0 | 1034.21 | 1546.53 | 1546.53 |
| 37 | 2.3166 | 3494.09 | 33.7349 | MD-D SAND/Silty SAND | 50 | 36 | 763.804 | 774.199 | 996.776 | 0 | 996.776 | 1506.84 | 1506.84 |
| 38 | 2.3166 | 3388.67 | 34.5345 | MD-D SAND/Silty SAND | 50 | 36 | 734.497 | 744.494 | 955.89 | 0 | 955.89 | 1461.35 | 1461.35 |
| 39 | 2.3166 | 3269.38 | 35.3419 | MD-D SAND/Silty SAND | 50 | 36 | 702.717 | 712.281 | 911.551 | 0 | 911.551 | 1409.87 | 1409.87 |
| 40 | 2.3166 | 3135.81 | 36.1574 | MD-D SAND/Silty SAND | 50 | 36 | 668.465 | 677.563 | 863.767 | 0 | 863.767 | 1352.25 | 1352.25 |
| 41 | 2.3166 | 2986.13 | 36.9815 | MD-D SAND/Silty SAND | 50 | 36 | 631.464 | 640.058 | 812.147 | 0 | 812.147 | 1287.67 | 1287.67 |
| 42 | 2.3166 | 2808.52 | 37.8146 | MD-D SAND/Silty SAND | 50 | 36 | 589.475 | 597.498 | 753.568 | 0 | 753.568 | 1211.05 | 1211.05 |
| 43 | 2.3166 | 2612.12 | 38.6572 | MD-D SAND/Silty SAND | 50 | 36 | 544.48 | 551.89 | 690.793 | 0 | 690.793 | 1126.34 | 1126.34 |
| 44 | 2.3166 | 2399.44 | 39.5099 | MD-D SAND/Silty SAND | 50 | 36 | 497.095 | 503.86 | 624.685 | 0 | 624.685 | 1034.6 | 1034.6 |
| 45 | 2.3166 | 2169.88 | 40.3731 | MD-D SAND/Silty SAND | 50 | 36 | 447.324 | 453.412 | 555.251 | 0 | 555.251 | 935.592 | 935.592 |
| 46 | 2.3166 | 1922.79 | 41.2476 | MD-D SAND/Silty SAND | 50 | 36 | 395.175 | 400.553 | 482.495 | 0 | 482.495 | 829.025 | 829.025 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | 2.524 | 1777.51 | 42.1742 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 406.298 | 411.828 | 335.124 | 0 | 335.124 | 703.2 | 703.2 |
| 48 | 2.524 | 1408.5 | 43.1549 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 335.197 | 339.759 | 242.88 | 0 | 242.88 | 557.155 | 557.155 |
| 49 | 2.524 | 1012.63 | 44.1516 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 261.211 | 264.766 | 146.894 | 0 | 146.894 | 400.481 | 400.481 |
| 50 | 2.524 | 470.672 | 45.1655 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 164.124 | 166.358 | 20.9372 | 0 | 20.9372 | 186.012 | 186.012 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.982602

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.00012 | 118.172 | 2.75965 | MD-D SAND/Silty SAND | 50 | 36 | 91.3194 | 89.7306 | 54.6847 | 0 | 54.6847 | 59.0865 | 59.0865 |
| 2 | 2.00012 | 350.758 | 3.61828 | MD-D SAND/Silty SAND | 50 | 36 | 172.495 | 169.494 | 164.47 | 0 | 164.47 | 175.378 | 175.378 |
| 3 | 2.00012 | 575.816 | 4.47773 | MD-D SAND/Silty SAND | 50 | 36 | 249.329 | 244.991 | 268.382 | 0 | 268.382 | 287.907 | 287.907 |
| 4 | 2.00012 | 793.322 | 5.33818 | MD-D SAND/Silty SAND | 50 | 36 | 321.938 | 316.337 | 366.581 | 0 | 366.581 | 396.662 | 396.662 |
| 5 | 2.00012 | 1003.25 | 6.19985 | MD-D SAND/Silty SAND | 50 | 36 | 390.432 | 383.639 | 459.215 | 0 | 459.215 | 501.629 | 501.629 |
| 6 | 2.00012 | 1205.55 | 7.06292 | MD-D SAND/Silty SAND | 50 | 36 | 454.916 | 447.001 | 546.423 | 0 | 546.423 | 602.787 | 602.787 |
| 7 | 2.00012 | 1400.21 | 7.92762 | MD-D SAND/Silty SAND | 50 | 36 | 515.484 | 506.516 | 628.338 | 0 | 628.338 | 700.121 | 700.121 |
| 8 | 2.00012 | 1587.16 | 8.79413 | MD-D SAND/Silty SAND | 50 | 36 | 572.227 | 562.271 | 705.079 | 0 | 705.079 | 793.604 | 793.604 |
| 9 | 2.00012 | 1766.35 | 9.66267 | MD-D SAND/Silty SAND | 50 | 36 | 625.228 | 614.35 | 776.763 | 0 | 776.763 | 883.216 | 883.216 |
| 10 | 2.00012 | 1937.74 | 10.5335 | MD-D SAND/Silty SAND | 50 | 36 | 674.566 | 662.83 | 843.49 | 0 | 843.49 | 968.921 | 968.921 |
| 11 | 2.00012 | 2101.25 | 11.4067 | MD-D SAND/Silty SAND | 50 | 36 | 720.313 | 707.781 | 905.361 | 0 | 905.361 | 1050.69 | 1050.69 |
| 12 | 2.00012 | 2256.82 | 12.2827 | MD-D SAND/Silty SAND | 50 | 36 | 762.538 | 749.271 | 962.463 | 0 | 962.463 | 1128.48 | 1128.48 |
| 13 | 2.00012 | 2404.36 | 13.1616 | MD-D SAND/Silty SAND | 50 | 36 | 801.304 | 787.363 | 1014.89 | 0 | 1014.89 | 1202.27 | 1202.27 |
| 14 | 2.00012 | 2543.8 | 14.0436 | MD-D SAND/Silty SAND | 50 | 36 | 836.669 | 822.113 | 1062.72 | 0 | 1062.72 | 1272 | 1272 |
| 15 | 2.00012 | 2675.05 | 14.9291 | MD-D SAND/Silty SAND | 50 | 36 | 868.689 | 853.576 | 1106.03 | 0 | 1106.03 | 1337.64 | 1337.64 |
| 16 | 2.00012 | 2797.99 | 15.8182 | MD-D SAND/Silty SAND | 50 | 36 | 897.416 | 881.803 | 1144.88 | 0 | 1144.88 | 1399.13 | 1399.13 |
| 17 | 2.00012 | 2912.54 | 16.7112 | MD-D SAND/Silty SAND | 50 | 36 | 922.897 | 906.84 | 1179.34 | 0 | 1179.34 | 1456.42 | 1456.42 |
| 18 | 2.00012 | 3018.57 | 17.6085 | MD-D SAND/Silty SAND | 50 | 36 | 945.174 | 928.73 | 1209.47 | 0 | 1209.47 | 1509.45 | 1509.45 |
| 19 | 2.00012 | 3115.95 | 18.5102 | MD-D SAND/Silty SAND | 50 | 36 | 964.289 | 947.512 | 1235.32 | 0 | 1235.32 | 1558.16 | 1558.16 |
| 20 | 2.00012 | 3204.56 | 19.4167 | MD-D SAND/Silty SAND | 50 | 36 | 980.28 | 963.225 | 1256.94 | 0 | 1256.94 | 1602.48 | 1602.48 |
| 21 | 2.00012 | 3284.25 | 20.3283 | MD-D SAND/Silty SAND | 50 | 36 | 993.179 | 975.9 | 1274.39 | 0 | 1274.39 | 1642.34 | 1642.34 |
| 22 | 2.00012 | 3354.86 | 21.2453 | MD-D SAND/Silty SAND | 50 | 36 | 1003.02 | 985.57 | 1287.7 | 0 | 1287.7 | 1677.66 | 1677.66 |
| 23 | 2.00012 | 3416.22 | 22.1681 | MD-D SAND/Silty SAND | 50 | 36 | 1009.83 | 992.262 | 1296.91 | 0 | 1296.91 | 1708.36 | 1708.36 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 2.00012 | 3468.17 | 23.0969 | MD-D SAND/Silty SAND | 50 | 36 | 1013.64 | 996.002 | 1302.06 | 0 | 1302.06 | 1734.35 | 1734.35 |
| 25 | 2.00012 | 3510.5 | 24.0322 | MD-D SAND/Silty SAND | 50 | 36 | 1014.46 | 996.814 | 1303.18 | 0 | 1303.18 | 1755.53 | 1755.53 |
| 26 | 2.00012 | 3543 | 24.9744 | MD-D SAND/Silty SAND | 50 | 36 | 1012.33 | 994.716 | 1300.29 | 0 | 1300.29 | 1771.8 | 1771.8 |
| 27 | 2.00012 | 3565.46 | 25.9239 | MD-D SAND/Silty SAND | 50 | 36 | 1007.25 | 989.729 | 1293.43 | 0 | 1293.43 | 1783.04 | 1783.04 |
| 28 | 2.00012 | 3577.62 | 26.881 | MD-D SAND/Silty SAND | 50 | 36 | 999.252 | 981.867 | 1282.6 | 0 | 1282.6 | 1789.14 | 1789.14 |
| 29 | 2.00012 | 3579.24 | 27.8464 | MD-D SAND/Silty SAND | 50 | 36 | 988.339 | 971.144 | 1267.85 | 0 | 1267.85 | 1789.96 | 1789.96 |
| 30 | 2.00012 | 3570.04 | 28.8204 | MD-D SAND/Silty SAND | 50 | 36 | 974.528 | 957.573 | 1249.17 | 0 | 1249.17 | 1785.37 | 1785.37 |
| 31 | 2.00012 | 3549.7 | 29.8036 | MD-D SAND/Silty SAND | 50 | 36 | 957.827 | 941.163 | 1226.58 | 0 | 1226.58 | 1775.21 | 1775.21 |
| 32 | 2.00012 | 3517.9 | 30.7966 | MD-D SAND/Silty SAND | 50 | 36 | 938.245 | 921.921 | 1200.1 | 0 | 1200.1 | 1759.33 | 1759.33 |
| 33 | 2.00012 | 3474.3 | 31.7999 | MD-D SAND/Silty SAND | 50 | 36 | 915.786 | 899.853 | 1169.72 | 0 | 1169.72 | 1737.53 | 1737.53 |
| 34 | 2.00012 | 3418.5 | 32.8143 | MD-D SAND/Silty SAND | 50 | 36 | 890.456 | 874.964 | 1135.47 | 0 | 1135.47 | 1709.64 | 1709.64 |
| 35 | 2.00012 | 3350.09 | 33.8404 | MD-D SAND/Silty SAND | 50 | 36 | 862.258 | 847.256 | 1097.33 | 0 | 1097.33 | 1675.44 | 1675.44 |
| 36 | 2.00012 | 3268.62 | 34.879 | MD-D SAND/Silty SAND | 50 | 36 | 831.191 | 816.73 | 1055.31 | 0 | 1055.31 | 1634.71 | 1634.71 |
| 37 | 2.00012 | 3173.58 | 35.9308 | MD-D SAND/Silty SAND | 50 | 36 | 797.257 | 783.386 | 1009.42 | 0 | 1009.42 | 1587.19 | 1587.19 |
| 38 | 2.00012 | 3064.44 | 36.9969 | MD-D SAND/Silty SAND | 50 | 36 | 760.452 | 747.222 | 959.645 | 0 | 959.645 | 1532.62 | 1532.62 |
| 39 | 2.00012 | 2940.61 | 38.0781 | MD-D SAND/Silty SAND | 50 | 36 | 720.775 | 708.235 | 905.982 | 0 | 905.982 | 1470.7 | 1470.7 |
| 40 | 2.00012 | 2801.42 | 39.1756 | MD-D SAND/Silty SAND | 50 | 36 | 678.223 | 666.423 | 848.435 | 0 | 848.435 | 1401.1 | 1401.1 |
| 41 | 2.00012 | 2646.15 | 40.2905 | MD-D SAND/Silty SAND | 50 | 36 | 632.792 | 621.783 | 786.992 | 0 | 786.992 | 1323.46 | 1323.46 |
| 42 | 2.00012 | 2474.01 | 41.4241 | MD-D SAND/Silty SAND | 50 | 36 | 584.479 | 574.31 | 721.652 | 0 | 721.652 | 1237.38 | 1237.38 |
| 43 | 2.00012 | 2284.11 | 42.5778 | MD-D SAND/Silty SAND | 50 | 36 | 533.281 | 524.003 | 652.407 | 0 | 652.407 | 1142.4 | 1142.4 |
| 44 | 2.00012 | 2075.44 | 43.7533 | MD-D SAND/Silty SAND | 50 | 36 | 479.198 | 470.861 | 579.265 | 0 | 579.265 | 1038.05 | 1038.05 |
| 45 | 2.00012 | 1846.89 | 44.9525 | MD-D SAND/Silty SAND | 50 | 36 | 422.231 | 414.885 | 502.223 | 0 | 502.223 | 923.754 | 923.754 |
| 46 | 2.00012 | 1597.2 | 46.1772 | MD-D SAND/Silty SAND | 50 | 36 | 362.387 | 356.082 | 421.284 | 0 | 421.284 | 798.876 | 798.876 |
| 47 | 2.00012 | 1324.91 | 47.4299 | MD-D SAND/Silty SAND | 50 | 36 | 299.671 | 294.457 | 336.466 | 0 | 336.466 | 662.696 | 662.696 |
| 48 | 2.00012 | 1021.23 | 48.7131 | MD-D SAND/Silty SAND | 50 | 36 | 232.668 | 228.62 | 245.849 | 0 | 245.849 | 510.812 | 510.812 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | 2.00012 | 685.853 | 50.03 | MD-D SAND/Silty SAND | 50 | 36 | 161.814 | 158.999 | 150.024 | 0 | 150.024 | 343.072 | 343.072 |
| 50 | 2.50927 | 320.782 | 51.5623 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 127.09 | 124.878 | -32.1543 | 0 | -32.1543 | 127.976 | 127.976 |

## Cross Section II-II' - Master Scenario

### Global Minimum Query (bishop simplified) - Safety Factor: 1.69979

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.58012 | 41.4072 | 7.66896 | MD-D SAND/Silty SAND | 50 | 36 | 38.4104 | 65.2896 | 21.0443 | 0 | 21.0443 | 26.2164 | 26.2164 |
| 2 | 1.58012 | 122.353 | 8.34175 | MD-D SAND/Silty SAND | 50 | 36 | 58.8333 | 100.004 | 68.825 | 0 | 68.825 | 77.4517 | 77.4517 |
| 3 | 1.58012 | 199.552 | 9.01569 | MD-D SAND/Silty SAND | 50 | 36 | 78.1095 | 132.77 | 113.923 | 0 | 113.923 | 126.316 | 126.316 |
| 4 | 1.58012 | 272.983 | 9.69089 | MD-D SAND/Silty SAND | 50 | 36 | 96.2489 | 163.603 | 156.361 | 0 | 156.361 | 172.797 | 172.797 |
| 5 | 1.58012 | 344.058 | 10.3675 | MD-D SAND/Silty SAND | 50 | 36 | 113.619 | 193.129 | 197.001 | 0 | 197.001 | 217.787 | 217.787 |
| 6 | 1.58012 | 438.795 | 11.0455 | MD-D SAND/Silty SAND | 50 | 36 | 136.729 | 232.41 | 251.065 | 0 | 251.065 | 277.755 | 277.755 |
| 7 | 1.58012 | 540.208 | 11.7251 | MD-D SAND/Silty SAND | 50 | 36 | 161.269 | 274.124 | 308.48 | 0 | 308.48 | 341.951 | 341.951 |
| 8 | 1.58012 | 637.756 | 12.4064 | MD-D SAND/Silty SAND | 50 | 36 | 184.611 | 313.8 | 363.09 | 0 | 363.09 | 403.701 | 403.701 |
| 9 | 1.58012 | 731.407 | 13.0894 | MD-D SAND/Silty SAND | 50 | 36 | 206.761 | 351.451 | 414.911 | 0 | 414.911 | 462.986 | 462.986 |
| 10 | 1.58012 | 821.131 | 13.7744 | MD-D SAND/Silty SAND | 50 | 36 | 227.726 | 387.086 | 463.959 | 0 | 463.959 | 519.786 | 519.786 |
| 11 | 1.58012 | 906.893 | 14.4614 | MD-D SAND/Silty SAND | 50 | 36 | 247.511 | 420.716 | 510.246 | 0 | 510.246 | 574.079 | 574.079 |
| 12 | 1.58012 | 988.658 | 15.1505 | MD-D SAND/Silty SAND | 50 | 36 | 266.121 | 452.349 | 553.786 | 0 | 553.786 | 625.843 | 625.843 |
| 13 | 1.58012 | 1066.39 | 15.8418 | MD-D SAND/Silty SAND | 50 | 36 | 283.561 | 481.995 | 594.59 | 0 | 594.59 | 675.053 | 675.053 |
| 14 | 1.58012 | 1140.04 | 16.5356 | MD-D SAND/Silty SAND | 50 | 36 | 299.836 | 509.659 | 632.667 | 0 | 632.667 | 721.685 | 721.685 |
| 15 | 1.58012 | 1209.57 | 17.2318 | MD-D SAND/Silty SAND | 50 | 36 | 314.949 | 535.347 | 668.025 | 0 | 668.025 | 765.71 | 765.71 |
| 16 | 1.58012 | 1274.94 | 17.9307 | MD-D SAND/Silty SAND | 50 | 36 | 328.903 | 559.066 | 700.667 | 0 | 700.667 | 807.094 | 807.094 |
| 17 | 1.58012 | 1336.09 | 18.6323 | MD-D SAND/Silty SAND | 50 | 36 | 341.7 | 580.818 | 730.605 | 0 | 730.605 | 845.814 | 845.814 |
| 18 | 1.58012 | 1392.98 | 19.3369 | MD-D SAND/Silty SAND | 50 | 36 | 353.341 | 600.606 | 757.844 | 0 | 757.844 | 881.838 | 881.838 |
| 19 | 1.58012 | 1445.55 | 20.0445 | MD-D SAND/Silty SAND | 50 | 36 | 363.83 | 618.434 | 782.386 | 0 | 782.386 | 915.129 | 915.129 |
| 20 | 1.58012 | 1493.74 | 20.7553 | MD-D SAND/Silty SAND | 50 | 36 | 373.166 | 634.303 | 804.225 | 0 | 804.225 | 945.644 | 945.644 |
| 21 | 1.58012 | 1537.49 | 21.4695 | MD-D SAND/Silty SAND | 50 | 36 | 381.348 | 648.211 | 823.368 | 0 | 823.368 | 973.35 | 973.35 |
| 22 | 1.58012 | 1576.74 | 22.1871 | MD-D SAND/Silty SAND | 50 | 36 | 388.378 | 660.161 | 839.816 | 0 | 839.816 | 998.209 | 998.209 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | 1.58012 | 1611.41 | 22.9085 | MD-D SAND/Silty SAND | 50 | 36 | 394.253 | 670.148 | 853.561 | 0 | 853.561 | 1020.17 | 1020.17 |
| 24 | 1.58012 | 1641.44 | 23.6338 | MD-D SAND/Silty SAND | 50 | 36 | 398.975 | 678.173 | 864.605 | 0 | 864.605 | 1039.19 | 1039.19 |
| 25 | 1.58012 | 1666.76 | 24.363 | MD-D SAND/Silty SAND | 50 | 36 | 402.538 | 684.23 | 872.944 | 0 | 872.944 | 1055.23 | 1055.23 |
| 26 | 1.58012 | 1687.26 | 25.0965 | MD-D SAND/Silty SAND | 50 | 36 | 404.941 | 688.315 | 878.564 | 0 | 878.564 | 1068.22 | 1068.22 |
| 27 | 1.58012 | 1702.89 | 25.8345 | MD-D SAND/Silty SAND | 50 | 36 | 406.183 | 690.425 | 881.468 | 0 | 881.468 | 1078.13 | 1078.13 |
| 28 | 1.58012 | 1713.53 | 26.577 | MD-D SAND/Silty SAND | 50 | 36 | 406.257 | 690.551 | 881.642 | 0 | 881.642 | 1084.88 | 1084.88 |
| 29 | 1.58012 | 1719.1 | 27.3244 | MD-D SAND/Silty SAND | 50 | 36 | 405.161 | 688.688 | 879.08 | 0 | 879.08 | 1088.42 | 1088.42 |
| 30 | 1.58012 | 1719.49 | 28.0769 | MD-D SAND/Silty SAND | 50 | 36 | 402.889 | 684.826 | 873.765 | 0 | 873.765 | 1088.68 | 1088.68 |
| 31 | 1.58012 | 1714.6 | 28.8347 | MD-D SAND/Silty SAND | 50 | 36 | 399.436 | 678.957 | 865.684 | 0 | 865.684 | 1085.59 | 1085.59 |
| 32 | 1.58012 | 1704.31 | 29.598 | MD-D SAND/Silty SAND | 50 | 36 | 394.796 | 671.071 | 854.833 | 0 | 854.833 | 1079.09 | 1079.09 |
| 33 | 1.58012 | 1688.5 | 30.3672 | MD-D SAND/Silty SAND | 50 | 36 | 388.964 | 661.157 | 841.183 | 0 | 841.183 | 1069.09 | 1069.09 |
| 34 | 1.58012 | 1667.04 | 31.1425 | MD-D SAND/Silty SAND | 50 | 36 | 381.931 | 649.202 | 824.731 | 0 | 824.731 | 1055.51 | 1055.51 |
| 35 | 1.58012 | 1639.78 | 31.9242 | MD-D SAND/Silty SAND | 50 | 36 | 373.689 | 635.193 | 805.447 | 0 | 805.447 | 1038.27 | 1038.27 |
| 36 | 1.58012 | 1606.59 | 32.7125 | MD-D SAND/Silty SAND | 50 | 36 | 364.231 | 619.117 | 783.323 | 0 | 783.323 | 1017.27 | 1017.27 |
| 37 | 1.58012 | 1567.3 | 33.5079 | MD-D SAND/Silty SAND | 50 | 36 | 353.547 | 600.956 | 758.327 | 0 | 758.327 | 992.405 | 992.405 |
| 38 | 1.58012 | 1521.76 | 34.3107 | MD-D SAND/Silty SAND | 50 | 36 | 341.628 | 580.696 | 730.439 | 0 | 730.439 | 963.575 | 963.575 |
| 39 | 1.58012 | 1469.77 | 35.1212 | MD-D SAND/Silty SAND | 50 | 36 | 328.463 | 558.318 | 699.643 | 0 | 699.643 | 930.672 | 930.672 |
| 40 | 1.58012 | 1411.14 | 35.9399 | MD-D SAND/Silty SAND | 50 | 36 | 314.042 | 533.805 | 665.901 | 0 | 665.901 | 893.563 | 893.563 |
| 41 | 1.58012 | 1345.4 | 36.7672 | MD-D SAND/Silty SAND | 50 | 36 | 298.294 | 507.038 | 629.057 | 0 | 629.057 | 851.944 | 851.944 |
| 42 | 1.58012 | 1263.08 | 37.6035 | MD-D SAND/Silty SAND | 50 | 36 | 279.331 | 474.804 | 584.692 | 0 | 584.692 | 799.832 | 799.832 |
| 43 | 1.58012 | 1168.8 | 38.4493 | MD-D SAND/Silty SAND | 50 | 36 | 258.161 | 438.819 | 535.163 | 0 | 535.163 | 740.14 | 740.14 |
| 44 | 1.58012 | 1066.96 | 39.3051 | MD-D SAND/Silty SAND | 50 | 36 | 235.73 | 400.691 | 482.685 | 0 | 482.685 | 675.663 | 675.663 |
| 45 | 1.58012 | 957.277 | 40.1715 | MD-D SAND/Silty SAND | 50 | 36 | 212.024 | 360.397 | 427.226 | 0 | 427.226 | 606.219 | 606.219 |
| 46 | 1.58012 | 839.458 | 41.0492 | MD-D SAND/Silty SAND | 50 | 36 | 187.033 | 317.916 | 368.754 | 0 | 368.754 | 531.621 | 531.621 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | 1.71872 | 762.623 | 41.9783 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 206.844 | 351.591 | 258.025 | 0 | 258.025 | 444.126 | 444.126 |
| 48 | 1.71872 | 588.301 | 42.9608 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 172.082 | 292.503 | 182.395 | 0 | 182.395 | 342.644 | 342.644 |
| 49 | 1.71872 | 399.721 | 43.9592 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 135.304 | 229.989 | 102.381 | 0 | 102.381 | 232.857 | 232.857 |
| 50 | 1.71872 | 143.839 | 44.9747 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 86.8959 | 147.705 | -2.93782 | 0 | -2.93782 | 83.8814 | 83.8814 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.63638

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.30127 | 37.6945 | 2.50931 | MD-D SAND/Silty SAND | 50 | 36 | 42.5891 | 69.692 | 27.1037 | 0 | 27.1037 | 28.9701 | 28.9701 |
| 2 | 1.30127 | 111.473 | 3.37901 | MD-D SAND/Silty SAND | 50 | 36 | 66.8401 | 109.376 | 81.7241 | 0 | 81.7241 | 85.6705 | 85.6705 |
| 3 | 1.30127 | 182.025 | 4.24948 | MD-D SAND/Silty SAND | 50 | 36 | 89.7072 | 146.795 | 133.227 | 0 | 133.227 | 139.893 | 139.893 |
| 4 | 1.30127 | 250.105 | 5.12094 | MD-D SAND/Silty SAND | 50 | 36 | 111.462 | 182.395 | 182.226 | 0 | 182.226 | 192.215 | 192.215 |
| 5 | 1.30127 | 333.165 | 5.99358 | MD-D SAND/Silty SAND | 50 | 36 | 137.816 | 225.52 | 241.582 | 0 | 241.582 | 256.051 | 256.051 |
| 6 | 1.30127 | 420.708 | 6.86763 | MD-D SAND/Silty SAND | 50 | 36 | 165.276 | 270.454 | 303.429 | 0 | 303.429 | 323.334 | 323.334 |
| 7 | 1.30127 | 504.973 | 7.74328 | MD-D SAND/Silty SAND | 50 | 36 | 191.319 | 313.07 | 362.084 | 0 | 362.084 | 388.099 | 388.099 |
| 8 | 1.30127 | 585.939 | 8.62076 | MD-D SAND/Silty SAND | 50 | 36 | 215.961 | 353.395 | 417.588 | 0 | 417.588 | 450.329 | 450.329 |
| 9 | 1.30127 | 663.584 | 9.50028 | MD-D SAND/Silty SAND | 50 | 36 | 239.221 | 391.457 | 469.976 | 0 | 469.976 | 510.009 | 510.009 |
| 10 | 1.30127 | 737.885 | 10.3821 | MD-D SAND/Silty SAND | 50 | 36 | 261.112 | 427.279 | 519.28 | 0 | 519.28 | 567.119 | 567.119 |
| 11 | 1.30127 | 808.814 | 11.2664 | MD-D SAND/Silty SAND | 50 | 36 | 281.648 | 460.883 | 565.531 | 0 | 565.531 | 621.638 | 621.638 |
| 12 | 1.30127 | 876.342 | 12.1534 | MD-D SAND/Silty SAND | 50 | 36 | 300.839 | 492.287 | 608.756 | 0 | 608.756 | 673.543 | 673.543 |
| 13 | 1.30127 | 940.434 | 13.0433 | MD-D SAND/Silty SAND | 50 | 36 | 318.698 | 521.511 | 648.979 | 0 | 648.979 | 722.81 | 722.81 |
| 14 | 1.30127 | 1001.06 | 13.9365 | MD-D SAND/Silty SAND | 50 | 36 | 335.233 | 548.569 | 686.221 | 0 | 686.221 | 769.41 | 769.41 |
| 15 | 1.30127 | 1058.17 | 14.8332 | MD-D SAND/Silty SAND | 50 | 36 | 350.453 | 573.475 | 720.502 | 0 | 720.502 | 813.313 | 813.313 |
| 16 | 1.30127 | 1111.73 | 15.7336 | MD-D SAND/Silty SAND | 50 | 36 | 364.366 | 596.241 | 751.835 | 0 | 751.835 | 854.484 | 854.484 |
| 17 | 1.30127 | 1161.69 | 16.638 | MD-D SAND/Silty SAND | 50 | 36 | 376.977 | 616.877 | 780.236 | 0 | 780.236 | 892.89 | 892.89 |
| 18 | 1.30127 | 1208 | 17.5467 | MD-D SAND/Silty SAND | 50 | 36 | 388.291 | 635.391 | 805.72 | 0 | 805.72 | 928.495 | 928.495 |
| 19 | 1.30127 | 1250.61 | 18.4599 | MD-D SAND/Silty SAND | 50 | 36 | 398.312 | 651.79 | 828.294 | 0 | 828.294 | 961.258 | 961.258 |
| 20 | 1.30127 | 1289.46 | 19.3781 | MD-D SAND/Silty SAND | 50 | 36 | 407.043 | 666.077 | 847.956 | 0 | 847.956 | 991.124 | 991.124 |
| 21 | 1.30127 | 1324.48 | 20.3015 | MD-D SAND/Silty SAND | 50 | 36 | 414.486 | 678.257 | 864.72 | 0 | 864.72 | 1018.05 | 1018.05 |
| 22 | 1.30127 | 1355.62 | 21.2304 | MD-D SAND/Silty SAND | 50 | 36 | 420.642 | 688.33 | 878.589 | 0 | 878.589 | 1042 | 1042 |
| 23 | 1.30127 | 1382.79 | 22.1652 | MD-D SAND/Silty SAND | 50 | 36 | 425.509 | 696.295 | 889.55 | 0 | 889.55 | 1062.9 | 1062.9 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 1.30127 | 1405.93 | 23.1062 | MD-D SAND/Silty SAND | 50 | 36 | 429.088 | 702.151 | 897.608 | 0 | 897.608 | 1080.68 | 1080.68 |
| 25 | 1.30127 | 1424.93 | 24.0539 | MD-D SAND/Silty SAND | 50 | 36 | 431.375 | 705.893 | 902.758 | 0 | 902.758 | 1095.3 | 1095.3 |
| 26 | 1.30127 | 1439.73 | 25.0086 | MD-D SAND/Silty SAND | 50 | 36 | 432.367 | 707.516 | 904.993 | 0 | 904.993 | 1106.69 | 1106.69 |
| 27 | 1.30127 | 1450.21 | 25.9709 | MD-D SAND/Silty SAND | 50 | 36 | 432.058 | 707.011 | 904.297 | 0 | 904.297 | 1114.75 | 1114.75 |
| 28 | 1.30127 | 1456.27 | 26.941 | MD-D SAND/Silty SAND | 50 | 36 | 430.443 | 704.369 | 900.662 | 0 | 900.662 | 1119.43 | 1119.43 |
| 29 | 1.30127 | 1457.81 | 27.9196 | MD-D SAND/Silty SAND | 50 | 36 | 427.517 | 699.58 | 894.071 | 0 | 894.071 | 1120.62 | 1120.62 |
| 30 | 1.30127 | 1454.69 | 28.9072 | MD-D SAND/Silty SAND | 50 | 36 | 423.269 | 692.629 | 884.502 | 0 | 884.502 | 1118.23 | 1118.23 |
| 31 | 1.30127 | 1446.78 | 29.9042 | MD-D SAND/Silty SAND | 50 | 36 | 417.691 | 683.502 | 871.939 | 0 | 871.939 | 1112.16 | 1112.16 |
| 32 | 1.30127 | 1433.95 | 30.9113 | MD-D SAND/Silty SAND | 50 | 36 | 410.773 | 672.181 | 856.357 | 0 | 856.357 | 1102.31 | 1102.31 |
| 33 | 1.30127 | 1416.04 | 31.9291 | MD-D SAND/Silty SAND | 50 | 36 | 402.502 | 658.647 | 837.728 | 0 | 837.728 | 1088.55 | 1088.55 |
| 34 | 1.30127 | 1392.87 | 32.9584 | MD-D SAND/Silty SAND | 50 | 36 | 392.867 | 642.88 | 816.029 | 0 | 816.029 | 1070.75 | 1070.75 |
| 35 | 1.30127 | 1364.27 | 33.9997 | MD-D SAND/Silty SAND | 50 | 36 | 381.852 | 624.855 | 791.217 | 0 | 791.217 | 1048.78 | 1048.78 |
| 36 | 1.30127 | 1330.04 | 35.054 | MD-D SAND/Silty SAND | 50 | 36 | 369.441 | 604.546 | 763.266 | 0 | 763.266 | 1022.47 | 1022.47 |
| 37 | 1.30127 | 1289.95 | 36.1221 | MD-D SAND/Silty SAND | 50 | 36 | 355.618 | 581.927 | 732.132 | 0 | 732.132 | 991.664 | 991.664 |
| 38 | 1.30127 | 1243.77 | 37.205 | MD-D SAND/Silty SAND | 50 | 36 | 340.365 | 556.966 | 697.782 | 0 | 697.782 | 956.179 | 956.179 |
| 39 | 1.30127 | 1191.24 | 38.3036 | MD-D SAND/Silty SAND | 50 | 36 | 323.661 | 529.632 | 660.154 | 0 | 660.154 | 915.799 | 915.799 |
| 40 | 1.30127 | 1132.06 | 39.4191 | MD-D SAND/Silty SAND | 50 | 36 | 305.484 | 499.888 | 619.221 | 0 | 619.221 | 870.319 | 870.319 |
| 41 | 1.30127 | 1065.91 | 40.5528 | MD-D SAND/Silty SAND | 50 | 36 | 285.813 | 467.698 | 574.913 | 0 | 574.913 | 819.475 | 819.475 |
| 42 | 1.30127 | 992.442 | 41.706 | MD-D SAND/Silty SAND | 50 | 36 | 264.622 | 433.022 | 527.185 | 0 | 527.185 | 763.004 | 763.004 |
| 43 | 1.30127 | 911.255 | 42.8803 | MD-D SAND/Silty SAND | 50 | 36 | 241.886 | 395.818 | 475.978 | 0 | 475.978 | 700.598 | 700.598 |
| 44 | 1.30127 | 821.903 | 44.0774 | MD-D SAND/Silty SAND | 50 | 36 | 217.579 | 356.042 | 421.23 | 0 | 421.23 | 631.913 | 631.913 |
| 45 | 1.30127 | 723.885 | 45.2993 | MD-D SAND/Silty SAND | 50 | 36 | 191.671 | 313.647 | 362.88 | 0 | 362.88 | 556.564 | 556.564 |
| 46 | 1.30127 | 616.633 | 46.5481 | MD-D SAND/Silty SAND | 50 | 36 | 164.135 | 268.588 | 300.86 | 0 | 300.86 | 474.114 | 474.114 |
| 47 | 1.30127 | 499.501 | 47.8264 | MD-D SAND/Silty SAND | 50 | 36 | 134.942 | 220.816 | 235.108 | 0 | 235.108 | 384.066 | 384.066 |
| 48 | 1.30127 | 370.815 | 49.1369 | MD-D SAND/Silty SAND | 50 | 36 | 103.852 | 169.942 | 165.086 | 0 | 165.086 | 285.133 | 285.133 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | 1.30127 | 223.336 | 50.4832 | MD-D SAND/Silty SAND | 50 | 36 | 69.4345 | 113.621 | 87.5671 | 0 | 87.5671 | 171.748 | 171.748 |
| 50 | 1.06877 | 59.8866 | 51.7417 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 73.799 | 120.763 | -37.4213 | 0 | -37.4213 | 56.1643 | 56.1643 |

## Cross Section II-II' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 1.06082

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.75121 | 53.6175 | 6.85755 | MD-D SAND/Silty SAND | 50 | 36 | 62.9212 | 66.7481 | 23.0518 | 0 | 23.0518 | 30.6188 | 30.6188 |
| 2 | 1.75121 | 158.537 | 7.53897 | MD-D SAND/Silty SAND | 50 | 36 | 100.067 | 106.154 | 77.2889 | 0 | 77.2889 | 90.5323 | 90.5323 |
| 3 | 1.75121 | 258.813 | 8.22146 | MD-D SAND/Silty SAND | 50 | 36 | 134.997 | 143.208 | 128.289 | 0 | 128.289 | 147.794 | 147.794 |
| 4 | 1.75121 | 354.424 | 8.90513 | MD-D SAND/Silty SAND | 50 | 36 | 167.748 | 177.95 | 176.109 | 0 | 176.109 | 202.393 | 202.393 |
| 5 | 1.75121 | 445.343 | 9.59008 | MD-D SAND/Silty SAND | 50 | 36 | 198.355 | 210.419 | 220.798 | 0 | 220.798 | 254.312 | 254.312 |
| 6 | 1.75121 | 531.544 | 10.2764 | MD-D SAND/Silty SAND | 50 | 36 | 226.853 | 240.65 | 262.407 | 0 | 262.407 | 303.537 | 303.537 |
| 7 | 1.75121 | 612.996 | 10.9642 | MD-D SAND/Silty SAND | 50 | 36 | 253.273 | 268.677 | 300.983 | 0 | 300.983 | 350.05 | 350.05 |
| 8 | 1.75121 | 690.528 | 11.6537 | MD-D SAND/Silty SAND | 50 | 36 | 277.941 | 294.845 | 337.001 | 0 | 337.001 | 394.325 | 394.325 |
| 9 | 1.75121 | 794.86 | 12.3448 | MD-D SAND/Silty SAND | 50 | 36 | 311.339 | 330.275 | 385.766 | 0 | 385.766 | 453.904 | 453.904 |
| 10 | 1.75121 | 910.286 | 13.0378 | MD-D SAND/Silty SAND | 50 | 36 | 347.965 | 369.128 | 439.243 | 0 | 439.243 | 519.819 | 519.819 |
| 11 | 1.75121 | 1020.82 | 13.7327 | MD-D SAND/Silty SAND | 50 | 36 | 382.382 | 405.638 | 489.494 | 0 | 489.494 | 582.94 | 582.94 |
| 12 | 1.75121 | 1126.42 | 14.4297 | MD-D SAND/Silty SAND | 50 | 36 | 414.616 | 439.833 | 536.559 | 0 | 536.559 | 643.243 | 643.243 |
| 13 | 1.75121 | 1227.04 | 15.1289 | MD-D SAND/Silty SAND | 50 | 36 | 444.693 | 471.739 | 580.476 | 0 | 580.476 | 700.704 | 700.704 |
| 14 | 1.75121 | 1322.63 | 15.8304 | MD-D SAND/Silty SAND | 50 | 36 | 472.638 | 501.384 | 621.274 | 0 | 621.274 | 755.288 | 755.288 |
| 15 | 1.75121 | 1413.14 | 16.5343 | MD-D SAND/Silty SAND | 50 | 36 | 498.473 | 528.79 | 658.998 | 0 | 658.998 | 806.977 | 806.977 |
| 16 | 1.75121 | 1498.52 | 17.2409 | MD-D SAND/Silty SAND | 50 | 36 | 522.22 | 553.981 | 693.67 | 0 | 693.67 | 855.732 | 855.732 |
| 17 | 1.75121 | 1578.7 | 17.9501 | MD-D SAND/Silty SAND | 50 | 36 | 543.898 | 576.978 | 725.323 | 0 | 725.323 | 901.522 | 901.522 |
| 18 | 1.75121 | 1653.63 | 18.6622 | MD-D SAND/Silty SAND | 50 | 36 | 563.527 | 597.801 | 753.985 | 0 | 753.985 | 944.314 | 944.314 |
| 19 | 1.75121 | 1723.24 | 19.3773 | MD-D SAND/Silty SAND | 50 | 36 | 581.125 | 616.469 | 779.676 | 0 | 779.676 | 984.063 | 984.063 |
| 20 | 1.75121 | 1787.46 | 20.0955 | MD-D SAND/Silty SAND | 50 | 36 | 596.707 | 632.999 | 802.427 | 0 | 802.427 | 1020.74 | 1020.74 |
| 21 | 1.75121 | 1846.22 | 20.8171 | MD-D SAND/Silty SAND | 50 | 36 | 610.29 | 647.408 | 822.259 | 0 | 822.259 | 1054.29 | 1054.29 |
| 22 | 1.75121 | 1899.44 | 21.5421 | MD-D SAND/Silty SAND | 50 | 36 | 621.887 | 659.71 | 839.196 | 0 | 839.196 | 1084.69 | 1084.69 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | 1.75121 | 1947.04 | 22.2708 | MD-D SAND/Silty SAND | 50 | 36 | 631.511 | 669.92 | 853.247 | 0 | 853.247 | 1111.87 | 1111.87 |
| 24 | 1.75121 | 1988.93 | 23.0032 | MD-D SAND/Silty SAND | 50 | 36 | 639.177 | 678.052 | 864.437 | 0 | 864.437 | 1135.79 | 1135.79 |
| 25 | 1.75121 | 2025.02 | 23.7397 | MD-D SAND/Silty SAND | 50 | 36 | 644.894 | 684.116 | 872.784 | 0 | 872.784 | 1156.41 | 1156.41 |
| 26 | 1.75121 | 2055.22 | 24.4804 | MD-D SAND/Silty SAND | 50 | 36 | 648.671 | 688.123 | 878.299 | 0 | 878.299 | 1173.65 | 1173.65 |
| 27 | 1.75121 | 2079.41 | 25.2254 | MD-D SAND/Silty SAND | 50 | 36 | 650.52 | 690.085 | 881.001 | 0 | 881.001 | 1187.47 | 1187.47 |
| 28 | 1.75121 | 2097.49 | 25.9751 | MD-D SAND/Silty SAND | 50 | 36 | 650.449 | 690.009 | 880.896 | 0 | 880.896 | 1197.79 | 1197.79 |
| 29 | 1.75121 | 2109.34 | 26.7295 | MD-D SAND/Silty SAND | 50 | 36 | 648.464 | 687.904 | 877.999 | 0 | 877.999 | 1204.56 | 1204.56 |
| 30 | 1.75121 | 2114.84 | 27.489 | MD-D SAND/Silty SAND | 50 | 36 | 644.574 | 683.777 | 872.319 | 0 | 872.319 | 1207.71 | 1207.71 |
| 31 | 1.75121 | 2113.87 | 28.2538 | MD-D SAND/Silty SAND | 50 | 36 | 638.783 | 677.634 | 863.864 | 0 | 863.864 | 1207.15 | 1207.15 |
| 32 | 1.75121 | 2106.27 | 29.0241 | MD-D SAND/Silty SAND | 50 | 36 | 631.098 | 669.481 | 852.642 | 0 | 852.642 | 1202.81 | 1202.81 |
| 33 | 1.75121 | 2091.91 | 29.8002 | MD-D SAND/Silty SAND | 50 | 36 | 621.522 | 659.323 | 838.658 | 0 | 838.658 | 1194.61 | 1194.61 |
| 34 | 1.75121 | 2070.62 | 30.5824 | MD-D SAND/Silty SAND | 50 | 36 | 610.058 | 647.162 | 821.921 | 0 | 821.921 | 1182.45 | 1182.45 |
| 35 | 1.75121 | 2042.24 | 31.3709 | MD-D SAND/Silty SAND | 50 | 36 | 596.711 | 633.003 | 802.433 | 0 | 802.433 | 1166.25 | 1166.25 |
| 36 | 1.75121 | 2006.59 | 32.1661 | MD-D SAND/Silty SAND | 50 | 36 | 581.482 | 616.848 | 780.199 | 0 | 780.199 | 1145.9 | 1145.9 |
| 37 | 1.75121 | 1963.49 | 32.9683 | MD-D SAND/Silty SAND | 50 | 36 | 564.373 | 598.698 | 755.22 | 0 | 755.22 | 1121.28 | 1121.28 |
| 38 | 1.75121 | 1912.72 | 33.7778 | MD-D SAND/Silty SAND | 50 | 36 | 545.385 | 578.555 | 727.496 | 0 | 727.496 | 1092.29 | 1092.29 |
| 39 | 1.75121 | 1854.07 | 34.5951 | MD-D SAND/Silty SAND | 50 | 36 | 524.519 | 556.42 | 697.025 | 0 | 697.025 | 1058.8 | 1058.8 |
| 40 | 1.75121 | 1787.31 | 35.4205 | MD-D SAND/Silty SAND | 50 | 36 | 501.773 | 532.291 | 663.818 | 0 | 663.818 | 1020.68 | 1020.68 |
| 41 | 1.75121 | 1708.57 | 36.2545 | MD-D SAND/Silty SAND | 50 | 36 | 476.205 | 505.168 | 626.485 | 0 | 626.485 | 975.71 | 975.71 |
| 42 | 1.75121 | 1608.22 | 37.0975 | MD-D SAND/Silty SAND | 50 | 36 | 445.434 | 472.525 | 581.558 | 0 | 581.558 | 918.406 | 918.406 |
| 43 | 1.75121 | 1497.79 | 37.9499 | MD-D SAND/Silty SAND | 50 | 36 | 412.579 | 437.672 | 533.583 | 0 | 533.583 | 855.345 | 855.345 |
| 44 | 1.75121 | 1378.14 | 38.8124 | MD-D SAND/Silty SAND | 50 | 36 | 377.942 | 400.928 | 483.013 | 0 | 483.013 | 787.02 | 787.02 |
| 45 | 1.75121 | 1248.93 | 39.6854 | MD-D SAND/Silty SAND | 50 | 36 | 341.524 | 362.295 | 429.837 | 0 | 429.837 | 713.228 | 713.228 |
| 46 | 1.75121 | 1109.78 | 40.5696 | MD-D SAND/Silty SAND | 50 | 36 | 303.326 | 321.774 | 374.064 | 0 | 374.064 | 633.767 | 633.767 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | 1.90882 | 1030.8 | 41.5066 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 326.415 | 346.268 | 251.211 | 0 | 251.211 | 540.066 | 540.066 |
| 48 | 1.90882 | 816.213 | 42.4983 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 272.479 | 289.051 | 177.977 | 0 | 177.977 | 427.643 | 427.643 |
| 49 | 1.90882 | 513.141 | 43.506 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 199.766 | 211.916 | 79.2482 | 0 | 79.2482 | 268.859 | 268.859 |
| 50 | 1.90882 | 173.778 | 44.5308 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 120.882 | 128.234 | -27.8588 | 0 | -27.8588 | 91.0597 | 91.0597 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.01965

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.67336 | 66.7376 | 1.06895 | MD-D SAND/Silty SAND | 50 | 36 | 76.4373 | 77.9393 | 38.4551 | 0 | 38.4551 | 39.8813 | 39.8813 |
| 2 | 1.67336 | 197.519 | 1.95006 | MD-D SAND/Silty SAND | 50 | 36 | 129.987 | 132.541 | 113.609 | 0 | 113.609 | 118.035 | 118.035 |
| 3 | 1.67336 | 322.911 | 2.83164 | MD-D SAND/Silty SAND | 50 | 36 | 180.181 | 183.722 | 184.053 | 0 | 184.053 | 192.965 | 192.965 |
| 4 | 1.67336 | 442.901 | 3.71389 | MD-D SAND/Silty SAND | 50 | 36 | 227.117 | 231.58 | 249.924 | 0 | 249.924 | 264.666 | 264.666 |
| 5 | 1.67336 | 557.475 | 4.59702 | MD-D SAND/Silty SAND | 50 | 36 | 270.886 | 276.209 | 311.35 | 0 | 311.35 | 333.13 | 333.13 |
| 6 | 1.67336 | 666.616 | 5.48125 | MD-D SAND/Silty SAND | 50 | 36 | 311.572 | 317.694 | 368.449 | 0 | 368.449 | 398.347 | 398.347 |
| 7 | 1.67336 | 770.301 | 6.36679 | MD-D SAND/Silty SAND | 50 | 36 | 349.252 | 356.115 | 421.332 | 0 | 421.332 | 460.301 | 460.301 |
| 8 | 1.67336 | 880.702 | 7.25386 | MD-D SAND/Silty SAND | 50 | 36 | 388.766 | 396.405 | 476.786 | 0 | 476.786 | 526.269 | 526.269 |
| 9 | 1.67336 | 1016.14 | 8.14269 | MD-D SAND/Silty SAND | 50 | 36 | 437.125 | 445.714 | 544.654 | 0 | 544.654 | 607.198 | 607.198 |
| 10 | 1.67336 | 1147.5 | 9.03349 | MD-D SAND/Silty SAND | 50 | 36 | 482.91 | 492.399 | 608.91 | 0 | 608.91 | 685.685 | 685.685 |
| 11 | 1.67336 | 1273.27 | 9.9265 | MD-D SAND/Silty SAND | 50 | 36 | 525.617 | 535.945 | 668.848 | 0 | 668.848 | 760.833 | 760.833 |
| 12 | 1.67336 | 1393.4 | 10.8219 | MD-D SAND/Silty SAND | 50 | 36 | 565.308 | 576.416 | 724.548 | 0 | 724.548 | 832.611 | 832.611 |
| 13 | 1.67336 | 1507.86 | 11.7201 | MD-D SAND/Silty SAND | 50 | 36 | 602.042 | 613.872 | 776.104 | 0 | 776.104 | 901.001 | 901.001 |
| 14 | 1.67336 | 1616.59 | 12.6212 | MD-D SAND/Silty SAND | 50 | 36 | 635.87 | 648.365 | 823.581 | 0 | 823.581 | 965.961 | 965.961 |
| 15 | 1.67336 | 1719.52 | 13.5254 | MD-D SAND/Silty SAND | 50 | 36 | 666.845 | 679.949 | 867.05 | 0 | 867.05 | 1027.46 | 1027.46 |
| 16 | 1.67336 | 1816.6 | 14.4331 | MD-D SAND/Silty SAND | 50 | 36 | 695.013 | 708.67 | 906.58 | 0 | 906.58 | 1085.46 | 1085.46 |
| 17 | 1.67336 | 1907.75 | 15.3445 | MD-D SAND/Silty SAND | 50 | 36 | 720.415 | 734.571 | 942.23 | 0 | 942.23 | 1139.92 | 1139.92 |
| 18 | 1.67336 | 1992.91 | 16.2599 | MD-D SAND/Silty SAND | 50 | 36 | 743.092 | 757.694 | 974.059 | 0 | 974.059 | 1190.79 | 1190.79 |
| 19 | 1.67336 | 2071.98 | 17.1796 | MD-D SAND/Silty SAND | 50 | 36 | 763.08 | 778.075 | 1002.11 | 0 | 1002.11 | 1238.03 | 1238.03 |
| 20 | 1.67336 | 2144.87 | 18.1039 | MD-D SAND/Silty SAND | 50 | 36 | 780.414 | 795.749 | 1026.43 | 0 | 1026.43 | 1281.57 | 1281.57 |
| 21 | 1.67336 | 2211.5 | 19.0331 | MD-D SAND/Silty SAND | 50 | 36 | 795.124 | 810.748 | 1047.08 | 0 | 1047.08 | 1321.38 | 1321.38 |
| 22 | 1.67336 | 2271.76 | 19.9675 | MD-D SAND/Silty SAND | 50 | 36 | 807.238 | 823.1 | 1064.08 | 0 | 1064.08 | 1357.37 | 1357.37 |
| 23 | 1.67336 | 2325.54 | 20.9075 | MD-D SAND/Silty SAND | 50 | 36 | 816.781 | 832.831 | 1077.47 | 0 | 1077.47 | 1389.5 | 1389.5 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 1.67336 | 2372.72 | 21.8535 | MD-D SAND/Silty SAND | 50 | 36 | 823.778 | 839.965 | 1087.29 | 0 | 1087.29 | 1417.67 | 1417.67 |
| 25 | 1.67336 | 2413.16 | 22.8057 | MD-D SAND/Silty SAND | 50 | 36 | 828.249 | 844.524 | 1093.57 | 0 | 1093.57 | 1441.83 | 1441.83 |
| 26 | 1.67336 | 2446.74 | 23.7646 | MD-D SAND/Silty SAND | 50 | 36 | 830.211 | 846.525 | 1096.32 | 0 | 1096.32 | 1461.88 | 1461.88 |
| 27 | 1.67336 | 2473.29 | 24.7307 | MD-D SAND/Silty SAND | 50 | 36 | 829.684 | 845.987 | 1095.58 | 0 | 1095.58 | 1477.73 | 1477.73 |
| 28 | 1.67336 | 2492.66 | 25.7043 | MD-D SAND/Silty SAND | 50 | 36 | 826.679 | 842.923 | 1091.36 | 0 | 1091.36 | 1489.29 | 1489.29 |
| 29 | 1.67336 | 2504.67 | 26.686 | MD-D SAND/Silty SAND | 50 | 36 | 821.208 | 837.345 | 1083.69 | 0 | 1083.69 | 1496.46 | 1496.46 |
| 30 | 1.67336 | 2509.13 | 27.6761 | MD-D SAND/Silty SAND | 50 | 36 | 813.283 | 829.264 | 1072.57 | 0 | 1072.57 | 1499.12 | 1499.12 |
| 31 | 1.67336 | 2505.85 | 28.6754 | MD-D SAND/Silty SAND | 50 | 36 | 802.912 | 818.689 | 1058.01 | 0 | 1058.01 | 1497.14 | 1497.14 |
| 32 | 1.67336 | 2494.59 | 29.6843 | MD-D SAND/Silty SAND | 50 | 36 | 790.101 | 805.626 | 1040.03 | 0 | 1040.03 | 1490.41 | 1490.41 |
| 33 | 1.67336 | 2475.12 | 30.7034 | MD-D SAND/Silty SAND | 50 | 36 | 774.852 | 790.078 | 1018.63 | 0 | 1018.63 | 1478.76 | 1478.76 |
| 34 | 1.67336 | 2447.19 | 31.7334 | MD-D SAND/Silty SAND | 50 | 36 | 757.172 | 772.05 | 993.817 | 0 | 993.817 | 1462.06 | 1462.06 |
| 35 | 1.67336 | 2410.5 | 32.775 | MD-D SAND/Silty SAND | 50 | 36 | 737.06 | 751.543 | 965.593 | 0 | 965.593 | 1440.14 | 1440.14 |
| 36 | 1.67336 | 2364.76 | 33.8289 | MD-D SAND/Silty SAND | 50 | 36 | 714.515 | 728.555 | 933.949 | 0 | 933.949 | 1412.8 | 1412.8 |
| 37 | 1.67336 | 2309.62 | 34.896 | MD-D SAND/Silty SAND | 50 | 36 | 689.535 | 703.084 | 898.892 | 0 | 898.892 | 1379.85 | 1379.85 |
| 38 | 1.67336 | 2244.73 | 35.9771 | MD-D SAND/Silty SAND | 50 | 36 | 662.117 | 675.128 | 860.415 | 0 | 860.415 | 1341.07 | 1341.07 |
| 39 | 1.67336 | 2169.68 | 37.0733 | MD-D SAND/Silty SAND | 50 | 36 | 632.257 | 644.681 | 818.508 | 0 | 818.508 | 1296.22 | 1296.22 |
| 40 | 1.67336 | 2084.02 | 38.1855 | MD-D SAND/Silty SAND | 50 | 36 | 599.949 | 611.738 | 773.163 | 0 | 773.163 | 1245.03 | 1245.03 |
| 41 | 1.67336 | 1987.27 | 39.315 | MD-D SAND/Silty SAND | 50 | 36 | 565.185 | 576.291 | 724.38 | 0 | 724.38 | 1187.23 | 1187.23 |
| 42 | 1.67336 | 1875.15 | 40.4631 | MD-D SAND/Silty SAND | 50 | 36 | 526.97 | 537.325 | 670.747 | 0 | 670.747 | 1120.24 | 1120.24 |
| 43 | 1.67336 | 1739.17 | 41.6312 | MD-D SAND/Silty SAND | 50 | 36 | 483.283 | 492.78 | 609.436 | 0 | 609.436 | 1038.99 | 1038.99 |
| 44 | 1.67336 | 1589.45 | 42.8208 | MD-D SAND/Silty SAND | 50 | 36 | 437.039 | 445.627 | 544.534 | 0 | 544.534 | 949.531 | 949.531 |
| 45 | 1.67336 | 1426.08 | 44.0338 | MD-D SAND/Silty SAND | 50 | 36 | 388.457 | 396.09 | 476.352 | 0 | 476.352 | 851.923 | 851.923 |
| 46 | 1.67336 | 1248.21 | 45.2721 | MD-D SAND/Silty SAND | 50 | 36 | 337.539 | 344.172 | 404.893 | 0 | 404.893 | 745.655 | 745.655 |
| 47 | 1.67336 | 1054.87 | 46.5382 | MD-D SAND/Silty SAND | 50 | 36 | 284.294 | 289.88 | 330.167 | 0 | 330.167 | 630.15 | 630.15 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 1.86069 | 915.762 | 47.909 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 283.522 | 289.093 | 178.031 | 0 | 178.031 | 491.909 | 491.909 |
| 49 | 1.86069 | 611.173 | 49.3919 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 210.505 | 214.642 | 82.7373 | 0 | 82.7373 | 328.268 | 328.268 |
| 50 | 1.86069 | 220.861 | 50.9211 | MD-VD Silty SAND/Silty SAND with gravel | 150 | 38 | 122.439 | 124.845 | -32.1973 | 0 | -32.1973 | 118.577 | 118.577 |

## Cross Section JJ-JJ' - Master Scenario

### Global Minimum Query (bishop simplified) - Safety Factor: 2.04849

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.52768 | 5.58096 | 7.22713 | D-VD SAND | 0 | 38 | 1.32917 | 2.72279 | 3.48501 | 0 | 3.48501 | 3.65357 | 3.65357 |
| 2 | 1.52768 | 15.458 | 7.74397 | D-VD SAND | 0 | 38 | 3.66926 | 7.51645 | 9.62064 | 0 | 9.62064 | 10.1196 | 10.1196 |
| 3 | 1.52768 | 50.4807 | 8.26144 | D-VD SAND | 0 | 38 | 11.9428 | 24.4647 | 31.3134 | 0 | 31.3134 | 33.0475 | 33.0475 |
| 4 | 1.52768 | 115.165 | 8.77959 | D-VD SAND | 0 | 38 | 27.1555 | 55.6277 | 71.1999 | 0 | 71.1999 | 75.3939 | 75.3939 |
| 5 | 1.52768 | 177.3 | 9.29846 | D-VD SAND | 0 | 38 | 41.6675 | 85.3554 | 109.25 | 0 | 109.25 | 116.072 | 116.072 |
| 6 | 1.52768 | 236.829 | 9.8181 | D-VD SAND | 0 | 38 | 55.4721 | 113.634 | 145.445 | 0 | 145.445 | 155.044 | 155.044 |
| 7 | 1.52768 | 293.739 | 10.3386 | D-VD SAND | 0 | 38 | 68.5725 | 140.47 | 179.793 | 0 | 179.793 | 192.303 | 192.303 |
| 8 | 1.52768 | 348.019 | 10.8599 | D-VD SAND | 0 | 38 | 80.9723 | 165.871 | 212.306 | 0 | 212.306 | 227.84 | 227.84 |
| 9 | 1.52768 | 399.654 | 11.3821 | D-VD SAND | 0 | 38 | 92.6751 | 189.844 | 242.989 | 0 | 242.989 | 261.646 | 261.646 |
| 10 | 1.52768 | 448.631 | 11.9053 | D-VD SAND | 0 | 38 | 103.683 | 212.394 | 271.852 | 0 | 271.852 | 293.712 | 293.712 |
| 11 | 1.52768 | 494.934 | 12.4295 | D-VD SAND | 0 | 38 | 114 | 233.527 | 298.901 | 0 | 298.901 | 324.027 | 324.027 |
| 12 | 1.52768 | 538.547 | 12.9548 | D-VD SAND | 0 | 38 | 123.627 | 253.249 | 324.144 | 0 | 324.144 | 352.583 | 352.583 |
| 13 | 1.52768 | 579.454 | 13.4812 | D-VD SAND | 0 | 38 | 132.568 | 271.564 | 347.586 | 0 | 347.586 | 379.367 | 379.367 |
| 14 | 1.52768 | 617.638 | 14.0087 | D-VD SAND | 0 | 38 | 140.824 | 288.477 | 369.234 | 0 | 369.234 | 404.368 | 404.368 |
| 15 | 1.52768 | 653.079 | 14.5375 | D-VD SAND | 0 | 38 | 148.398 | 303.992 | 389.092 | 0 | 389.092 | 427.574 | 427.574 |
| 16 | 1.52768 | 685.881 | 15.0675 | D-VD SAND | 0 | 38 | 155.319 | 318.17 | 407.239 | 0 | 407.239 | 449.053 | 449.053 |
| 17 | 1.52768 | 719.468 | 15.5988 | D-VD SAND | 0 | 38 | 162.366 | 332.605 | 425.715 | 0 | 425.715 | 471.045 | 471.045 |
| 18 | 1.52768 | 751.897 | 16.1315 | D-VD SAND | 0 | 38 | 169.1 | 346.399 | 443.371 | 0 | 443.371 | 492.28 | 492.28 |
| 19 | 1.52768 | 781.499 | 16.6657 | D-VD SAND | 0 | 38 | 175.149 | 358.791 | 459.231 | 0 | 459.231 | 511.664 | 511.664 |
| 20 | 1.52768 | 808.253 | 17.2014 | D-VD SAND | 0 | 38 | 180.515 | 369.783 | 473.3 | 0 | 473.3 | 529.184 | 529.184 |
| 21 | 1.52768 | 832.133 | 17.7386 | D-VD SAND | 0 | 38 | 185.198 | 379.377 | 485.58 | 0 | 485.58 | 544.822 | 544.822 |
| 22 | 1.52768 | 853.115 | 18.2774 | D-VD SAND | 0 | 38 | 189.2 | 387.575 | 496.073 | 0 | 496.073 | 558.562 | 558.562 |
| 23 | 1.52768 | 871.17 | 18.8179 | D-VD SAND | 0 | 38 | 192.521 | 394.378 | 504.781 | 0 | 504.781 | 570.388 | 570.388 |
| 24 | 1.52768 | 886.272 | 19.3602 | D-VD SAND | 0 | 38 | 195.162 | 399.787 | 511.704 | 0 | 511.704 | 580.279 | 580.279 |
| 25 | 1.52768 | 898.391 | 19.9042 | D-VD SAND | 0 | 38 | 197.122 | 403.803 | 516.844 | 0 | 516.844 | 588.217 | 588.217 |
| 26 | 1.52768 | 907.497 | 20.4502 | D-VD SAND | 0 | 38 | 198.402 | 406.425 | 520.2 | 0 | 520.2 | 594.183 | 594.183 |
| 27 | 1.52768 | 913.557 | 20.998 | D-VD SAND | 0 | 38 | 199.002 | 407.654 | 521.773 | 0 | 521.773 | 598.155 | 598.155 |
| 28 | 1.52768 | 916.54 | 21.5479 | D-VD SAND | 0 | 38 | 198.922 | 407.489 | 521.562 | 0 | 521.562 | 600.111 | 600.111 |
| 29 | 1.52768 | 916.409 | 22.0999 | D-VD SAND | 0 | 38 | 198.16 | 405.929 | 519.565 | 0 | 519.565 | 600.03 | 600.03 |
| 30 | 1.52768 | 913.129 | 22.6541 | D-VD SAND | 0 | 38 | 196.717 | 402.973 | 515.782 | 0 | 515.782 | 597.885 | 597.885 |
| 31 | 1.52768 | 906.662 | 23.2105 | D-VD SAND | 0 | 38 | 194.592 | 398.62 | 510.21 | 0 | 510.21 | 593.655 | 593.655 |
| 32 | 1.52768 | 896.968 | 23.7692 | D-VD SAND | 0 | 38 | 191.784 | 392.868 | 502.848 | 0 | 502.848 | 587.312 | 587.312 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 1.52768 | 882.449 | 24.3304 | D-VD SAND | 0 | 38 | 187.96 | 385.034 | 492.822 | 0 | 492.822 | 577.809 | 577.809 |
| 34 | 1.52768 | 861.916 | 24.894 | D-VD SAND | 0 | 38 | 182.88 | 374.627 | 479.501 | 0 | 479.501 | 564.368 | 564.368 |
| 35 | 1.52768 | 837.978 | 25.4602 | D-VD SAND | 0 | 38 | 177.109 | 362.807 | 464.371 | 0 | 464.371 | 548.698 | 548.698 |
| 36 | 1.52768 | 810.637 | 26.0292 | D-VD SAND | 0 | 38 | 170.657 | 349.59 | 447.455 | 0 | 447.455 | 530.798 | 530.798 |
| 37 | 1.52768 | 779.843 | 26.6008 | D-VD SAND | 0 | 38 | 163.523 | 334.975 | 428.749 | 0 | 428.749 | 510.638 | 510.638 |
| 38 | 1.52768 | 745.545 | 27.1754 | D-VD SAND | 0 | 38 | 155.703 | 318.957 | 408.246 | 0 | 408.246 | 488.183 | 488.183 |
| 39 | 1.52768 | 707.689 | 27.7529 | D-VD SAND | 0 | 38 | 147.198 | 301.533 | 385.944 | 0 | 385.944 | 463.398 | 463.398 |
| 40 | 1.52768 | 666.219 | 28.3335 | D-VD SAND | 0 | 38 | 138.003 | 282.697 | 361.835 | 0 | 361.835 | 436.246 | 436.246 |
| 41 | 1.52768 | 621.075 | 28.9173 | D-VD SAND | 0 | 38 | 128.116 | 262.445 | 335.914 | 0 | 335.914 | 406.688 | 406.688 |
| 42 | 1.52768 | 572.196 | 29.5044 | D-VD SAND | 0 | 38 | 117.536 | 240.771 | 308.173 | 0 | 308.173 | 374.684 | 374.684 |
| 43 | 1.52768 | 519.517 | 30.0949 | D-VD SAND | 0 | 38 | 106.26 | 217.672 | 278.607 | 0 | 278.607 | 340.191 | 340.191 |
| 44 | 1.52768 | 462.97 | 30.689 | D-VD SAND | 0 | 38 | 94.2841 | 193.14 | 247.208 | 0 | 247.208 | 303.165 | 303.165 |
| 45 | 1.52768 | 402.484 | 31.2867 | D-VD SAND | 0 | 38 | 81.6065 | 167.17 | 213.968 | 0 | 213.968 | 263.559 | 263.559 |
| 46 | 1.52768 | 337.984 | 31.8883 | D-VD SAND | 0 | 38 | 68.2234 | 139.755 | 178.878 | 0 | 178.878 | 221.324 | 221.324 |
| 47 | 1.52768 | 269.391 | 32.4938 | D-VD SAND | 0 | 38 | 54.1321 | 110.889 | 141.931 | 0 | 141.931 | 176.409 | 176.409 |
| 48 | 1.52768 | 196.624 | 33.1034 | D-VD SAND | 0 | 38 | 39.3284 | 80.5638 | 103.117 | 0 | 103.117 | 128.758 | 128.758 |
| 49 | 1.52768 | 119.594 | 33.7173 | D-VD SAND | 0 | 38 | 23.8094 | 48.7734 | 62.4271 | 0 | 62.4271 | 78.3165 | 78.3165 |
| 50 | 1.52768 | 39.6987 | 34.3356 | D-VD SAND | 0 | 38 | 7.86589 | 16.1132 | 20.624 | 0 | 20.624 | 25.9969 | 25.9969 |

## Global Minimum Query (janbu simplified) - Safety Factor: 2.02152

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.4259 | 29.7664 | 7.79806 | D-VD SAND | 0 | 38 | 7.66255 | 15.49 | 19.8262 | 0 | 19.8262 | 20.8756 | 20.8756 |
| 2 | 1.4259 | 88.1863 | 8.31044 | D-VD SAND | 0 | 38 | 22.6254 | 45.7377 | 58.5415 | 0 | 58.5415 | 61.8464 | 61.8464 |
| 3 | 1.4259 | 144.376 | 8.8235 | D-VD SAND | 0 | 38 | 36.918 | 74.6305 | 95.5227 | 0 | 95.5227 | 101.253 | 101.253 |
| 4 | 1.4259 | 198.327 | 9.33727 | D-VD SAND | 0 | 38 | 50.5441 | 102.176 | 130.779 | 0 | 130.779 | 139.09 | 139.09 |
| 5 | 1.4259 | 250.03 | 9.8518 | D-VD SAND | 0 | 38 | 63.5077 | 128.382 | 164.321 | 0 | 164.321 | 175.35 | 175.35 |
| 6 | 1.4259 | 299.473 | 10.3671 | D-VD SAND | 0 | 38 | 75.8113 | 153.254 | 196.156 | 0 | 196.156 | 210.025 | 210.025 |
| 7 | 1.4259 | 346.647 | 10.8833 | D-VD SAND | 0 | 38 | 87.4589 | 176.8 | 226.294 | 0 | 226.294 | 243.109 | 243.109 |
| 8 | 1.4259 | 391.539 | 11.4004 | D-VD SAND | 0 | 38 | 98.4531 | 199.025 | 254.74 | 0 | 254.74 | 274.593 | 274.593 |
| 9 | 1.4259 | 434.137 | 11.9184 | D-VD SAND | 0 | 38 | 108.797 | 219.935 | 281.504 | 0 | 281.504 | 304.467 | 304.467 |
| 10 | 1.4259 | 474.43 | 12.4374 | D-VD SAND | 0 | 38 | 118.493 | 239.536 | 306.592 | 0 | 306.592 | 332.726 | 332.726 |
| 11 | 1.4259 | 512.402 | 12.9575 | D-VD SAND | 0 | 38 | 127.544 | 257.832 | 330.01 | 0 | 330.01 | 359.356 | 359.356 |
| 12 | 1.4259 | 548.04 | 13.4786 | D-VD SAND | 0 | 38 | 135.951 | 274.828 | 351.764 | 0 | 351.764 | 384.35 | 384.35 |
| 13 | 1.4259 | 581.667 | 14.0009 | D-VD SAND | 0 | 38 | 143.802 | 290.699 | 372.077 | 0 | 372.077 | 407.934 | 407.934 |
| 14 | 1.4259 | 616.35 | 14.5243 | D-VD SAND | 0 | 38 | 151.856 | 306.98 | 392.916 | 0 | 392.916 | 432.257 | 432.257 |
| 15 | 1.4259 | 649.539 | 15.0491 | D-VD SAND | 0 | 38 | 159.484 | 322.4 | 412.653 | 0 | 412.653 | 455.533 | 455.533 |
| 16 | 1.4259 | 680.33 | 15.5751 | D-VD SAND | 0 | 38 | 166.469 | 336.521 | 430.726 | 0 | 430.726 | 477.127 | 477.127 |
| 17 | 1.4259 | 708.703 | 16.1024 | D-VD SAND | 0 | 38 | 172.812 | 349.343 | 447.139 | 0 | 447.139 | 497.026 | 497.026 |
| 18 | 1.4259 | 734.64 | 16.6312 | D-VD SAND | 0 | 38 | 178.515 | 360.871 | 461.893 | 0 | 461.893 | 515.216 | 515.216 |
| 19 | 1.4259 | 758.121 | 17.1614 | D-VD SAND | 0 | 38 | 183.577 | 371.105 | 474.993 | 0 | 474.993 | 531.685 | 531.685 |
| 20 | 1.4259 | 779.125 | 17.6931 | D-VD SAND | 0 | 38 | 188.002 | 380.049 | 486.441 | 0 | 486.441 | 546.415 | 546.415 |
| 21 | 1.4259 | 797.631 | 18.2265 | D-VD SAND | 0 | 38 | 191.788 | 387.704 | 496.239 | 0 | 496.239 | 559.394 | 559.394 |
| 22 | 1.4259 | 813.615 | 18.7614 | D-VD SAND | 0 | 38 | 194.938 | 394.071 | 504.388 | 0 | 504.388 | 570.604 | 570.604 |
| 23 | 1.4259 | 827.055 | 19.2981 | D-VD SAND | 0 | 38 | 197.451 | 399.151 | 510.89 | 0 | 510.89 | 580.029 | 580.029 |
| 24 | 1.4259 | 837.924 | 19.8365 | D-VD SAND | 0 | 38 | 199.328 | 402.946 | 515.747 | 0 | 515.747 | 587.653 | 587.653 |
| 25 | 1.4259 | 846.198 | 20.3768 | D-VD SAND | 0 | 38 | 200.569 | 405.454 | 518.957 | 0 | 518.957 | 593.456 | 593.456 |
| 26 | 1.4259 | 851.849 | 20.9189 | D-VD SAND | 0 | 38 | 201.173 | 406.676 | 520.522 | 0 | 520.522 | 597.419 | 597.419 |
| 27 | 1.4259 | 854.849 | 21.463 | D-VD SAND | 0 | 38 | 201.142 | 406.613 | 520.441 | 0 | 520.441 | 599.523 | 599.523 |
| 28 | 1.4259 | 855.169 | 22.0092 | D-VD SAND | 0 | 38 | 200.474 | 405.263 | 518.713 | 0 | 518.713 | 599.748 | 599.748 |
| 29 | 1.4259 | 852.778 | 22.5575 | D-VD SAND | 0 | 38 | 199.17 | 402.626 | 515.337 | 0 | 515.337 | 598.071 | 598.071 |
| 30 | 1.4259 | 847.643 | 23.108 | D-VD SAND | 0 | 38 | 197.228 | 398.7 | 510.312 | 0 | 510.312 | 594.47 | 594.47 |
| 31 | 1.4259 | 838.379 | 23.6607 | D-VD SAND | 0 | 38 | 194.334 | 392.85 | 502.825 | 0 | 502.825 | 587.973 | 587.973 |
| 32 | 1.4259 | 823.945 | 24.2158 | D-VD SAND | 0 | 38 | 190.259 | 384.612 | 492.281 | 0 | 492.281 | 577.85 | 577.85 |
| 33 | 1.4259 | 806.62 | 24.7733 | D-VD SAND | 0 | 38 | 185.541 | 375.074 | 480.073 | 0 | 480.073 | 565.7 | 565.7 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 1.4259 | 786.409 | 25.3333 | D-VD SAND | 0 | 38 | 180.188 | 364.253 | 466.223 | 0 | 466.223 | 551.525 | 551.525 |
| 35 | 1.4259 | 763.271 | 25.8959 | D-VD SAND | 0 | 38 | 174.199 | 352.147 | 450.728 | 0 | 450.728 | 535.299 | 535.299 |
| 36 | 1.4259 | 737.166 | 26.4613 | D-VD SAND | 0 | 38 | 167.573 | 338.752 | 433.583 | 0 | 433.583 | 516.991 | 516.991 |
| 37 | 1.4259 | 708.049 | 27.0294 | D-VD SAND | 0 | 38 | 160.308 | 324.066 | 414.786 | 0 | 414.786 | 496.571 | 496.571 |
| 38 | 1.4259 | 675.876 | 27.6004 | D-VD SAND | 0 | 38 | 152.403 | 308.085 | 394.332 | 0 | 394.332 | 474.007 | 474.007 |
| 39 | 1.4259 | 640.598 | 28.1744 | D-VD SAND | 0 | 38 | 143.855 | 290.806 | 372.215 | 0 | 372.215 | 449.266 | 449.266 |
| 40 | 1.4259 | 602.165 | 28.7515 | D-VD SAND | 0 | 38 | 134.663 | 272.223 | 348.429 | 0 | 348.429 | 422.312 | 422.312 |
| 41 | 1.4259 | 560.527 | 29.3318 | D-VD SAND | 0 | 38 | 124.823 | 252.333 | 322.972 | 0 | 322.972 | 393.11 | 393.11 |
| 42 | 1.4259 | 515.627 | 29.9154 | D-VD SAND | 0 | 38 | 114.336 | 231.132 | 295.835 | 0 | 295.835 | 361.622 | 361.622 |
| 43 | 1.4259 | 467.41 | 30.5024 | D-VD SAND | 0 | 38 | 103.196 | 208.613 | 267.013 | 0 | 267.013 | 327.806 | 327.806 |
| 44 | 1.4259 | 415.814 | 31.0931 | D-VD SAND | 0 | 38 | 91.4025 | 184.772 | 236.497 | 0 | 236.497 | 291.62 | 291.62 |
| 45 | 1.4259 | 360.777 | 31.6874 | D-VD SAND | 0 | 38 | 78.9525 | 159.604 | 204.284 | 0 | 204.284 | 253.022 | 253.022 |
| 46 | 1.4259 | 302.234 | 32.2855 | D-VD SAND | 0 | 38 | 65.8425 | 133.102 | 170.363 | 0 | 170.363 | 211.964 | 211.964 |
| 47 | 1.4259 | 240.114 | 32.8877 | D-VD SAND | 0 | 38 | 52.0702 | 105.261 | 134.728 | 0 | 134.728 | 168.398 | 168.398 |
| 48 | 1.4259 | 174.345 | 33.4939 | D-VD SAND | 0 | 38 | 37.6321 | 76.074 | 97.3701 | 0 | 97.3701 | 122.273 | 122.273 |
| 49 | 1.4259 | 105.561 | 34.1044 | D-VD SAND | 0 | 38 | 22.6774 | 45.8428 | 58.676 | 0 | 58.676 | 74.0323 | 74.0323 |
| 50 | 1.4259 | 35.7354 | 34.7194 | D-VD SAND | 0 | 38 | 7.64004 | 15.4445 | 19.7681 | 0 | 19.7681 | 25.0622 | 25.0622 |

## Cross Section JJ-JJ' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 1.17883

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.57495 | 6.60065 | 6.97353 | D-VD SAND | 0 | 38 | 2.56956 | 3.02908 | 3.87705 | 0 | 3.87705 | 4.19135 | 4.19135 |
| 2 | 1.57495 | 18.4326 | 7.49235 | D-VD SAND | 0 | 38 | 7.13541 | 8.41143 | 10.7661 | 0 | 10.7661 | 11.7045 | 11.7045 |
| 3 | 1.57495 | 27.5209 | 8.01179 | D-VD SAND | 0 | 38 | 10.594 | 12.4885 | 15.9846 | 0 | 15.9846 | 17.4757 | 17.4757 |
| 4 | 1.57495 | 64.9231 | 8.53189 | D-VD SAND | 0 | 38 | 24.8522 | 29.2965 | 37.4978 | 0 | 37.4978 | 41.2261 | 41.2261 |
| 5 | 1.57495 | 132.271 | 9.0527 | D-VD SAND | 0 | 38 | 50.3503 | 59.3544 | 75.97 | 0 | 75.97 | 83.9922 | 83.9922 |
| 6 | 1.57495 | 196.847 | 9.57427 | D-VD SAND | 0 | 38 | 74.5148 | 87.8403 | 112.431 | 0 | 112.431 | 125 | 125 |
| 7 | 1.57495 | 258.635 | 10.0966 | D-VD SAND | 0 | 38 | 97.3592 | 114.77 | 146.899 | 0 | 146.899 | 164.236 | 164.236 |
| 8 | 1.57495 | 317.621 | 10.6199 | D-VD SAND | 0 | 38 | 118.899 | 140.162 | 179.399 | 0 | 179.399 | 201.693 | 201.693 |
| 9 | 1.57495 | 373.79 | 11.144 | D-VD SAND | 0 | 38 | 139.148 | 164.032 | 209.952 | 0 | 209.952 | 237.363 | 237.363 |
| 10 | 1.57495 | 427.129 | 11.669 | D-VD SAND | 0 | 38 | 158.121 | 186.398 | 238.579 | 0 | 238.579 | 271.235 | 271.235 |
| 11 | 1.57495 | 477.62 | 12.1951 | D-VD SAND | 0 | 38 | 175.83 | 207.274 | 265.299 | 0 | 265.299 | 303.299 | 303.299 |
| 12 | 1.57495 | 525.248 | 12.7222 | D-VD SAND | 0 | 38 | 192.29 | 226.677 | 290.133 | 0 | 290.133 | 333.545 | 333.545 |
| 13 | 1.57495 | 569.995 | 13.2504 | D-VD SAND | 0 | 38 | 207.511 | 244.62 | 313.099 | 0 | 313.099 | 361.963 | 361.963 |
| 14 | 1.57495 | 611.842 | 13.7797 | D-VD SAND | 0 | 38 | 221.505 | 261.117 | 334.215 | 0 | 334.215 | 388.539 | 388.539 |
| 15 | 1.57495 | 650.771 | 14.3103 | D-VD SAND | 0 | 38 | 234.286 | 276.183 | 353.498 | 0 | 353.498 | 413.262 | 413.262 |
| 16 | 1.57495 | 686.76 | 14.8421 | D-VD SAND | 0 | 38 | 245.862 | 289.83 | 370.966 | 0 | 370.966 | 436.119 | 436.119 |
| 17 | 1.57495 | 720.999 | 15.3752 | D-VD SAND | 0 | 38 | 256.677 | 302.578 | 387.282 | 0 | 387.282 | 457.863 | 457.863 |
| 18 | 1.57495 | 756.373 | 15.9097 | D-VD SAND | 0 | 38 | 267.761 | 315.645 | 404.007 | 0 | 404.007 | 480.33 | 480.33 |
| 19 | 1.57495 | 789.083 | 16.4456 | D-VD SAND | 0 | 38 | 277.771 | 327.445 | 419.111 | 0 | 419.111 | 501.104 | 501.104 |
| 20 | 1.57495 | 818.761 | 16.983 | D-VD SAND | 0 | 38 | 286.596 | 337.848 | 432.425 | 0 | 432.425 | 519.953 | 519.953 |
| 21 | 1.57495 | 845.382 | 17.5219 | D-VD SAND | 0 | 38 | 294.243 | 346.862 | 443.964 | 0 | 443.964 | 536.862 | 536.862 |
| 22 | 1.57495 | 868.92 | 18.0625 | D-VD SAND | 0 | 38 | 300.722 | 354.5 | 453.739 | 0 | 453.739 | 551.812 | 551.812 |
| 23 | 1.57495 | 889.346 | 18.6047 | D-VD SAND | 0 | 38 | 306.041 | 360.77 | 461.765 | 0 | 461.765 | 564.787 | 564.787 |
| 24 | 1.57495 | 906.63 | 19.1487 | D-VD SAND | 0 | 38 | 310.208 | 365.682 | 468.052 | 0 | 468.052 | 575.766 | 575.766 |
| 25 | 1.57495 | 920.743 | 19.6944 | D-VD SAND | 0 | 38 | 313.231 | 369.246 | 472.613 | 0 | 472.613 | 584.731 | 584.731 |
| 26 | 1.57495 | 931.652 | 20.242 | D-VD SAND | 0 | 38 | 315.117 | 371.469 | 475.459 | 0 | 475.459 | 591.661 | 591.661 |
| 27 | 1.57495 | 939.323 | 20.7916 | D-VD SAND | 0 | 38 | 315.873 | 372.361 | 476.6 | 0 | 476.6 | 596.536 | 596.536 |
| 28 | 1.57495 | 943.721 | 21.3431 | D-VD SAND | 0 | 38 | 315.507 | 371.929 | 476.047 | 0 | 476.047 | 599.332 | 599.332 |
| 29 | 1.57495 | 944.81 | 21.8968 | D-VD SAND | 0 | 38 | 314.024 | 370.181 | 473.81 | 0 | 473.81 | 600.026 | 600.026 |
| 30 | 1.57495 | 942.551 | 22.4526 | D-VD SAND | 0 | 38 | 311.431 | 367.124 | 469.898 | 0 | 469.898 | 598.595 | 598.595 |
| 31 | 1.57495 | 936.905 | 23.0106 | D-VD SAND | 0 | 38 | 307.734 | 362.766 | 464.319 | 0 | 464.319 | 595.012 | 595.012 |
| 32 | 1.57495 | 927.83 | 23.571 | D-VD SAND | 0 | 38 | 302.939 | 357.113 | 457.084 | 0 | 457.084 | 589.251 | 589.251 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 1.57495 | 913.89 | 24.1337 | D-VD SAND | 0 | 38 | 296.597 | 349.638 | 447.516 | 0 | 447.516 | 580.4 | 580.4 |
| 34 | 1.57495 | 893.355 | 24.699 | D-VD SAND | 0 | 38 | 288.182 | 339.718 | 434.819 | 0 | 434.819 | 567.362 | 567.362 |
| 35 | 1.57495 | 869.143 | 25.2668 | D-VD SAND | 0 | 38 | 278.666 | 328.5 | 420.461 | 0 | 420.461 | 551.988 | 551.988 |
| 36 | 1.57495 | 841.315 | 25.8373 | D-VD SAND | 0 | 38 | 268.09 | 316.032 | 404.502 | 0 | 404.502 | 534.317 | 534.317 |
| 37 | 1.57495 | 809.819 | 26.4105 | D-VD SAND | 0 | 38 | 256.457 | 302.319 | 386.951 | 0 | 386.951 | 514.317 | 514.317 |
| 38 | 1.57495 | 774.601 | 26.9867 | D-VD SAND | 0 | 38 | 243.774 | 287.368 | 367.814 | 0 | 367.814 | 491.952 | 491.952 |
| 39 | 1.57495 | 735.604 | 27.5657 | D-VD SAND | 0 | 38 | 230.044 | 271.183 | 347.098 | 0 | 347.098 | 467.187 | 467.187 |
| 40 | 1.57495 | 692.769 | 28.1479 | D-VD SAND | 0 | 38 | 215.271 | 253.768 | 324.808 | 0 | 324.808 | 439.984 | 439.984 |
| 41 | 1.57495 | 646.032 | 28.7332 | D-VD SAND | 0 | 38 | 199.46 | 235.129 | 300.951 | 0 | 300.951 | 410.303 | 410.303 |
| 42 | 1.57495 | 595.329 | 29.3219 | D-VD SAND | 0 | 38 | 182.613 | 215.27 | 275.533 | 0 | 275.533 | 378.103 | 378.103 |
| 43 | 1.57495 | 540.591 | 29.9139 | D-VD SAND | 0 | 38 | 164.735 | 194.195 | 248.559 | 0 | 248.559 | 343.339 | 343.339 |
| 44 | 1.57495 | 481.746 | 30.5095 | D-VD SAND | 0 | 38 | 145.83 | 171.909 | 220.034 | 0 | 220.034 | 305.967 | 305.967 |
| 45 | 1.57495 | 418.719 | 31.1088 | D-VD SAND | 0 | 38 | 125.901 | 148.416 | 189.964 | 0 | 189.964 | 265.939 | 265.939 |
| 46 | 1.57495 | 351.432 | 31.7119 | D-VD SAND | 0 | 38 | 104.952 | 123.72 | 158.355 | 0 | 158.355 | 223.204 | 223.204 |
| 47 | 1.57495 | 279.801 | 32.3189 | D-VD SAND | 0 | 38 | 82.9852 | 97.8254 | 125.211 | 0 | 125.211 | 177.71 | 177.71 |
| 48 | 1.57495 | 203.738 | 32.93 | D-VD SAND | 0 | 38 | 60.005 | 70.7357 | 90.5376 | 0 | 90.5376 | 129.401 | 129.401 |
| 49 | 1.57495 | 123.321 | 33.5454 | D-VD SAND | 0 | 38 | 36.0641 | 42.5134 | 54.4146 | 0 | 54.4146 | 78.326 | 78.326 |
| 50 | 1.57495 | 41.4799 | 34.1652 | D-VD SAND | 0 | 38 | 12.0435 | 14.1972 | 18.1716 | 0 | 18.1716 | 26.3456 | 26.3456 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.16126

| Slice Number | Width [ft] | Weight [lbs] | Angle of Slice Base [deg] | Base Material | Base Cohesion [psf] | Base Friction Angle [deg] | Shear Stress [psf] | Shear Strength [psf] | Base Normal Stress [psf] | Pore Pressure [psf] | Effective Normal Stress [psf] | Base Vertical Stress [psf] | Effective Vertical Stress [psf] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.4298 | 29.9401 | 7.79309 | D-VD SAND | 0 | 38 | 12.9006 | 14.981 | 19.1748 | 0 | 19.1748 | 20.9404 | 20.9404 |
| 2 | 1.4298 | 88.7015 | 8.30551 | D-VD SAND | 0 | 38 | 38.0062 | 44.1351 | 56.4904 | 0 | 56.4904 | 62.0386 | 62.0386 |
| 3 | 1.4298 | 145.22 | 8.8186 | D-VD SAND | 0 | 38 | 61.8761 | 71.8542 | 91.969 | 0 | 91.969 | 101.568 | 101.568 |
| 4 | 1.4298 | 199.488 | 9.33241 | D-VD SAND | 0 | 38 | 84.5251 | 98.1556 | 125.634 | 0 | 125.634 | 139.524 | 139.524 |
| 5 | 1.4298 | 251.495 | 9.84698 | D-VD SAND | 0 | 38 | 105.968 | 123.056 | 157.505 | 0 | 157.505 | 175.898 | 175.898 |
| 6 | 1.4298 | 301.23 | 10.3623 | D-VD SAND | 0 | 38 | 126.218 | 146.572 | 187.604 | 0 | 187.604 | 210.684 | 210.684 |
| 7 | 1.4298 | 348.683 | 10.8786 | D-VD SAND | 0 | 38 | 145.29 | 168.719 | 215.951 | 0 | 215.951 | 243.873 | 243.873 |
| 8 | 1.4298 | 393.842 | 11.3957 | D-VD SAND | 0 | 38 | 163.195 | 189.512 | 242.565 | 0 | 242.565 | 275.458 | 275.458 |
| 9 | 1.4298 | 436.694 | 11.9137 | D-VD SAND | 0 | 38 | 179.948 | 208.966 | 267.463 | 0 | 267.463 | 305.429 | 305.429 |
| 10 | 1.4298 | 477.228 | 12.4328 | D-VD SAND | 0 | 38 | 195.557 | 227.093 | 290.666 | 0 | 290.666 | 333.779 | 333.779 |
| 11 | 1.4298 | 515.429 | 12.9529 | D-VD SAND | 0 | 38 | 210.038 | 243.909 | 312.189 | 0 | 312.189 | 360.498 | 360.498 |
| 12 | 1.4298 | 551.282 | 13.474 | D-VD SAND | 0 | 38 | 223.4 | 259.425 | 332.048 | 0 | 332.048 | 385.575 | 385.575 |
| 13 | 1.4298 | 584.809 | 13.9964 | D-VD SAND | 0 | 38 | 235.666 | 273.67 | 350.281 | 0 | 350.281 | 409.024 | 409.024 |
| 14 | 1.4298 | 618.795 | 14.5199 | D-VD SAND | 0 | 38 | 247.973 | 287.961 | 368.573 | 0 | 368.573 | 432.795 | 432.795 |
| 15 | 1.4298 | 652.186 | 15.0446 | D-VD SAND | 0 | 38 | 259.895 | 301.806 | 386.293 | 0 | 386.293 | 456.149 | 456.149 |
| 16 | 1.4298 | 683.165 | 15.5706 | D-VD SAND | 0 | 38 | 270.718 | 314.374 | 402.381 | 0 | 402.381 | 477.817 | 477.817 |
| 17 | 1.4298 | 711.714 | 16.098 | D-VD SAND | 0 | 38 | 280.451 | 325.677 | 416.847 | 0 | 416.847 | 497.785 | 497.785 |
| 18 | 1.4298 | 737.814 | 16.6268 | D-VD SAND | 0 | 38 | 289.103 | 335.724 | 429.706 | 0 | 429.706 | 516.039 | 516.039 |
| 19 | 1.4298 | 761.443 | 17.1571 | D-VD SAND | 0 | 38 | 296.682 | 344.525 | 440.972 | 0 | 440.972 | 532.567 | 532.567 |
| 20 | 1.4298 | 782.583 | 17.6888 | D-VD SAND | 0 | 38 | 303.197 | 352.09 | 450.655 | 0 | 450.655 | 547.352 | 547.352 |
| 21 | 1.4298 | 801.21 | 18.2222 | D-VD SAND | 0 | 38 | 308.655 | 358.429 | 458.768 | 0 | 458.768 | 560.381 | 560.381 |
| 22 | 1.4298 | 817.302 | 18.7572 | D-VD SAND | 0 | 38 | 313.064 | 363.549 | 465.322 | 0 | 465.322 | 571.636 | 571.636 |
| 23 | 1.4298 | 830.835 | 19.2939 | D-VD SAND | 0 | 38 | 316.432 | 367.46 | 470.327 | 0 | 470.327 | 581.102 | 581.102 |
| 24 | 1.4298 | 841.784 | 19.8324 | D-VD SAND | 0 | 38 | 318.765 | 370.169 | 473.795 | 0 | 473.795 | 588.761 | 588.761 |
| 25 | 1.4298 | 850.123 | 20.3726 | D-VD SAND | 0 | 38 | 320.07 | 371.684 | 475.734 | 0 | 475.734 | 594.593 | 594.593 |
| 26 | 1.4298 | 855.825 | 20.9148 | D-VD SAND | 0 | 38 | 320.354 | 372.014 | 476.156 | 0 | 476.156 | 598.582 | 598.582 |
| 27 | 1.4298 | 858.862 | 21.459 | D-VD SAND | 0 | 38 | 319.622 | 371.164 | 475.068 | 0 | 475.068 | 600.706 | 600.706 |
| 28 | 1.4298 | 859.203 | 22.0052 | D-VD SAND | 0 | 38 | 317.881 | 369.142 | 472.48 | 0 | 472.48 | 600.946 | 600.946 |
| 29 | 1.4298 | 856.819 | 22.5535 | D-VD SAND | 0 | 38 | 315.135 | 365.954 | 468.4 | 0 | 468.4 | 599.278 | 599.278 |
| 30 | 1.4298 | 851.676 | 23.104 | D-VD SAND | 0 | 38 | 311.392 | 361.607 | 462.836 | 0 | 462.836 | 595.681 | 595.681 |
| 31 | 1.4298 | 842.975 | 23.6568 | D-VD SAND | 0 | 38 | 306.377 | 355.783 | 455.382 | 0 | 455.382 | 589.596 | 589.596 |
| 32 | 1.4298 | 828.688 | 24.2119 | D-VD SAND | 0 | 38 | 299.38 | 347.658 | 444.982 | 0 | 444.982 | 579.604 | 579.604 |
| 33 | 1.4298 | 811.288 | 24.7694 | D-VD SAND | 0 | 38 | 291.326 | 338.305 | 433.011 | 0 | 433.011 | 567.434 | 567.434 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 1.4298 | 790.986 | 25.3295 | D-VD SAND | 0 | 38 | 282.31 | 327.835 | 419.61 | 0 | 419.61 | 553.235 | 553.235 |
| 35 | 1.4298 | 767.742 | 25.8921 | D-VD SAND | 0 | 38 | 272.336 | 316.253 | 404.785 | 0 | 404.785 | 536.978 | 536.978 |
| 36 | 1.4298 | 741.514 | 26.4575 | D-VD SAND | 0 | 38 | 261.408 | 303.563 | 388.543 | 0 | 388.543 | 518.634 | 518.634 |
| 37 | 1.4298 | 712.258 | 27.0256 | D-VD SAND | 0 | 38 | 249.531 | 289.77 | 370.889 | 0 | 370.889 | 498.172 | 498.172 |
| 38 | 1.4298 | 679.929 | 27.5967 | D-VD SAND | 0 | 38 | 236.708 | 274.879 | 351.83 | 0 | 351.83 | 475.56 | 475.56 |
| 39 | 1.4298 | 644.478 | 28.1707 | D-VD SAND | 0 | 38 | 222.943 | 258.895 | 331.371 | 0 | 331.371 | 450.765 | 450.765 |
| 40 | 1.4298 | 605.856 | 28.7478 | D-VD SAND | 0 | 38 | 208.241 | 241.822 | 309.517 | 0 | 309.517 | 423.752 | 423.752 |
| 41 | 1.4298 | 564.009 | 29.3282 | D-VD SAND | 0 | 38 | 192.604 | 223.663 | 286.275 | 0 | 286.275 | 394.484 | 394.484 |
| 42 | 1.4298 | 518.885 | 29.9118 | D-VD SAND | 0 | 38 | 176.036 | 204.423 | 261.649 | 0 | 261.649 | 362.922 | 362.922 |
| 43 | 1.4298 | 470.423 | 30.4989 | D-VD SAND | 0 | 38 | 158.54 | 184.106 | 235.645 | 0 | 235.645 | 329.028 | 329.028 |
| 44 | 1.4298 | 418.566 | 31.0896 | D-VD SAND | 0 | 38 | 140.119 | 162.715 | 208.266 | 0 | 208.266 | 292.757 | 292.757 |
| 45 | 1.4298 | 363.249 | 31.6839 | D-VD SAND | 0 | 38 | 120.779 | 140.256 | 179.519 | 0 | 179.519 | 254.067 | 254.067 |
| 46 | 1.4298 | 304.405 | 32.2821 | D-VD SAND | 0 | 38 | 100.52 | 116.73 | 149.408 | 0 | 149.408 | 212.91 | 212.91 |
| 47 | 1.4298 | 241.966 | 32.8842 | D-VD SAND | 0 | 38 | 79.3473 | 92.1429 | 117.937 | 0 | 117.937 | 169.239 | 169.239 |
| 48 | 1.4298 | 175.859 | 33.4905 | D-VD SAND | 0 | 38 | 57.2632 | 66.4975 | 85.1128 | 0 | 85.1128 | 123.001 | 123.001 |
| 49 | 1.4298 | 106.392 | 34.1011 | D-VD SAND | 0 | 38 | 34.3963 | 39.9431 | 51.1248 | 0 | 51.1248 | 74.4138 | 74.4138 |
| 50 | 1.4298 | 35.9204 | 34.7161 | D-VD SAND | 0 | 38 | 11.529 | 13.3882 | 17.136 | 0 | 17.136 | 25.1239 | 25.1239 |

# Interslice Data

## Cross Section AA-AA' - Master Scenario

### Global Minimum Query (bishop simplified) - Safety Factor: 1.86124

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 152 | 349.565 | 0 | 0 | 0 |
| 2 | 152.033 | 349.612 | -3.43563 | 0 | 0 |
| 3 | 152.066 | 349.659 | -6.73935 | 0 | 0 |
| 4 | 152.099 | 349.706 | -9.91059 | 0 | 0 |
| 5 | 152.132 | 349.754 | -12.9488 | 0 | 0 |
| 6 | 152.165 | 349.801 | -15.8534 | 0 | 0 |
| 7 | 152.199 | 349.848 | -18.6239 | 0 | 0 |
| 8 | 152.232 | 349.896 | -21.2597 | 0 | 0 |
| 9 | 152.265 | 349.943 | -23.7602 | 0 | 0 |
| 10 | 152.298 | 349.991 | -26.1248 | 0 | 0 |
| 11 | 152.331 | 350.038 | -28.3531 | 0 | 0 |
| 12 | 152.364 | 350.086 | -30.4444 | 0 | 0 |
| 13 | 152.397 | 350.134 | -32.3981 | 0 | 0 |
| 14 | 152.43 | 350.182 | -34.2136 | 0 | 0 |
| 15 | 152.463 | 350.23 | -35.8905 | 0 | 0 |
| 16 | 152.496 | 350.278 | -37.4281 | 0 | 0 |
| 17 | 152.529 | 350.326 | -38.8258 | 0 | 0 |
| 18 | 152.562 | 350.374 | -40.083 | 0 | 0 |
| 19 | 152.596 | 350.422 | -41.1992 | 0 | 0 |
| 20 | 152.629 | 350.47 | -42.1737 | 0 | 0 |
| 21 | 152.662 | 350.519 | -43.006 | 0 | 0 |
| 22 | 152.695 | 350.567 | -43.6955 | 0 | 0 |
| 23 | 152.728 | 350.615 | -44.2415 | 0 | 0 |
| 24 | 152.761 | 350.664 | -44.6435 | 0 | 0 |
| 25 | 152.794 | 350.713 | -44.9009 | 0 | 0 |
| 26 | 152.827 | 350.761 | -45.013 | 0 | 0 |
| 27 | 152.86 | 350.81 | -44.9792 | 0 | 0 |
| 28 | 152.893 | 350.859 | -44.799 | 0 | 0 |
| 29 | 152.926 | 350.908 | -44.4717 | 0 | 0 |
| 30 | 152.959 | 350.956 | -43.9967 | 0 | 0 |
| 31 | 152.993 | 351.005 | -43.3734 | 0 | 0 |
| 32 | 153.026 | 351.055 | -42.6012 | 0 | 0 |
| 33 | 153.059 | 351.104 | -41.6794 | 0 | 0 |
| 34 | 153.092 | 351.153 | -40.6074 | 0 | 0 |
| 35 | 153.125 | 351.202 | -39.3846 | 0 | 0 |
| 36 | 153.158 | 351.251 | -38.0103 | 0 | 0 |
| 37 | 153.191 | 351.301 | -36.4839 | 0 | 0 |
| 38 | 153.224 | 351.35 | -34.8048 | 0 | 0 |
| 39 | 153.257 | 351.4 | -32.9723 | 0 | 0 |
| 40 | 153.29 | 351.45 | -30.9858 | 0 | 0 |
| 41 | 153.323 | 351.499 | -28.8447 | 0 | 0 |
| 42 | 153.357 | 351.549 | -26.5482 | 0 | 0 |
| 43 | 153.39 | 351.599 | -24.0958 | 0 | 0 |
| 44 | 153.423 | 351.649 | -21.4867 | 0 | 0 |
| 45 | 153.456 | 351.699 | -18.7204 | 0 | 0 |
| 46 | 153.489 | 351.749 | -15.7961 | 0 | 0 |
| 47 | 153.522 | 351.799 | -12.7132 | 0 | 0 |
| 48 | 153.555 | 351.849 | -9.47105 | 0 | 0 |
| 49 | 153.588 | 351.899 | -6.06894 | 0 | 0 |
| 50 | 153.621 | 351.95 | -2.50622 | 0 | 0 |
| 51 | 153.654 | 352 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.78336

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 122.237 | 322.957 | 0 | 0 | 0 |
| 2 | 123.476 | 322.37 | 245.573 | 0 | 0 |
| 3 | 124.715 | 321.83 | 632.887 | 0 | 0 |
| 4 | 125.954 | 321.336 | 1137.11 | 0 | 0 |
| 5 | 127.193 | 320.885 | 1736.85 | 0 | 0 |
| 6 | 128.433 | 320.476 | 2413.54 | 0 | 0 |
| 7 | 129.672 | 320.108 | 3150.93 | 0 | 0 |
| 8 | 130.911 | 319.78 | 3934.77 | 0 | 0 |
| 9 | 132.15 | 319.49 | 4752.45 | 0 | 0 |
| 10 | 133.389 | 319.239 | 5592.78 | 0 | 0 |
| 11 | 134.629 | 319.025 | 6445.83 | 0 | 0 |
| 12 | 135.868 | 318.848 | 7302.71 | 0 | 0 |
| 13 | 137.107 | 318.707 | 8155.48 | 0 | 0 |
| 14 | 138.346 | 318.602 | 8997.02 | 0 | 0 |
| 15 | 139.586 | 318.533 | 9820.97 | 0 | 0 |
| 16 | 140.825 | 318.5 | 10621.6 | 0 | 0 |
| 17 | 142.064 | 318.502 | 11393.8 | 0 | 0 |
| 18 | 143.303 | 318.54 | 12133.1 | 0 | 0 |
| 19 | 144.542 | 318.613 | 12835.4 | 0 | 0 |
| 20 | 145.782 | 318.722 | 13497.1 | 0 | 0 |
| 21 | 147.021 | 318.867 | 14115.2 | 0 | 0 |
| 22 | 148.26 | 319.049 | 14686.9 | 0 | 0 |
| 23 | 149.499 | 319.267 | 15209.7 | 0 | 0 |
| 24 | 150.738 | 319.523 | 15679.7 | 0 | 0 |
| 25 | 151.978 | 319.817 | 16095.6 | 0 | 0 |
| 26 | 153.217 | 320.15 | 16948.1 | 0 | 0 |
| 27 | 154.456 | 320.523 | 17650.9 | 0 | 0 |
| 28 | 155.695 | 320.937 | 18197.6 | 0 | 0 |
| 29 | 156.935 | 321.393 | 18591.1 | 0 | 0 |
| 30 | 158.174 | 321.893 | 18834.6 | 0 | 0 |
| 31 | 159.413 | 322.438 | 18931.3 | 0 | 0 |
| 32 | 160.652 | 323.031 | 18885 | 0 | 0 |
| 33 | 161.891 | 323.673 | 18699.6 | 0 | 0 |
| 34 | 163.131 | 324.367 | 18379.6 | 0 | 0 |
| 35 | 164.37 | 325.116 | 17929.8 | 0 | 0 |
| 36 | 165.609 | 325.924 | 17355.9 | 0 | 0 |
| 37 | 166.848 | 326.794 | 16664.1 | 0 | 0 |
| 38 | 168.087 | 327.731 | 15861.4 | 0 | 0 |
| 39 | 169.327 | 328.742 | 14956.3 | 0 | 0 |
| 40 | 170.566 | 329.832 | 13958.2 | 0 | 0 |
| 41 | 171.805 | 331.011 | 12878.7 | 0 | 0 |
| 42 | 173.044 | 332.289 | 11731.4 | 0 | 0 |
| 43 | 174.284 | 333.68 | 10533.2 | 0 | 0 |
| 44 | 175.523 | 335.201 | 9304.93 | 0 | 0 |
| 45 | 176.668 | 336.743 | 7952.3 | 0 | 0 |
| 46 | 177.814 | 338.443 | 6396.43 | 0 | 0 |
| 47 | 178.959 | 340.338 | 4771.13 | 0 | 0 |
| 48 | 180.105 | 342.486 | 3213.71 | 0 | 0 |
| 49 | 181.25 | 344.984 | 1794 | 0 | 0 |
| 50 | 182.396 | 348.021 | 633.588 | 0 | 0 |
| 51 | 183.541 | 352.091 | 0 | 0 | 0 |

## Cross Section AA-AA' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 1.18653

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 8.99212 | 269.998 | 0 | 0 | 0 |
| 2 | 12.7277 | 270.272 | 529.486 | 0 | 0 |
| 3 | 16.4632 | 270.592 | 1203.04 | 0 | 0 |
| 4 | 20.1988 | 270.96 | 2064.57 | 0 | 0 |
| 5 | 23.9343 | 271.375 | 3101.94 | 0 | 0 |
| 6 | 27.6699 | 271.837 | 4287.06 | 0 | 0 |
| 7 | 31.4054 | 272.346 | 5593.24 | 0 | 0 |
| 8 | 35.141 | 272.904 | 6995.09 | 0 | 0 |
| 9 | 38.8765 | 273.509 | 8468.56 | 0 | 0 |
| 10 | 42.6121 | 274.163 | 9990.83 | 0 | 0 |
| 11 | 46.3476 | 274.866 | 11540.3 | 0 | 0 |
| 12 | 50.0831 | 275.618 | 13096.7 | 0 | 0 |
| 13 | 53.8187 | 276.419 | 14640.6 | 0 | 0 |
| 14 | 57.5542 | 277.27 | 16154.1 | 0 | 0 |
| 15 | 61.2898 | 278.172 | 17620.2 | 0 | 0 |
| 16 | 65.0253 | 279.124 | 19022.9 | 0 | 0 |
| 17 | 68.7609 | 280.127 | 20347.7 | 0 | 0 |
| 18 | 72.4964 | 281.183 | 21580.6 | 0 | 0 |
| 19 | 76.232 | 282.29 | 22709.2 | 0 | 0 |
| 20 | 79.9675 | 283.451 | 23721.7 | 0 | 0 |
| 21 | 83.7031 | 284.665 | 24607.8 | 0 | 0 |
| 22 | 87.4386 | 285.933 | 25357.9 | 0 | 0 |
| 23 | 91.1742 | 287.257 | 25963.5 | 0 | 0 |
| 24 | 94.9097 | 288.636 | 26417.3 | 0 | 0 |
| 25 | 98.6453 | 290.072 | 26713.1 | 0 | 0 |
| 26 | 102.381 | 291.566 | 26845.5 | 0 | 0 |
| 27 | 106.116 | 293.118 | 26810.4 | 0 | 0 |
| 28 | 109.852 | 294.729 | 26604.8 | 0 | 0 |
| 29 | 113.587 | 296.401 | 26233.8 | 0 | 0 |
| 30 | 117.323 | 298.135 | 25724.6 | 0 | 0 |
| 31 | 121.059 | 299.931 | 25091 | 0 | 0 |
| 32 | 124.794 | 301.791 | 24346.8 | 0 | 0 |
| 33 | 128.53 | 303.717 | 23507.2 | 0 | 0 |
| 34 | 132.265 | 305.709 | 22588.7 | 0 | 0 |
| 35 | 136.001 | 307.77 | 21609.3 | 0 | 0 |
| 36 | 139.736 | 309.901 | 20588.6 | 0 | 0 |
| 37 | 143.472 | 312.104 | 19547.8 | 0 | 0 |
| 38 | 147.207 | 314.38 | 18509.8 | 0 | 0 |
| 39 | 150.943 | 316.731 | 17502.9 | 0 | 0 |
| 40 | 154.678 | 319.161 | 14982.4 | 0 | 0 |
| 41 | 158.414 | 321.67 | 11871.1 | 0 | 0 |
| 42 | 162.15 | 324.262 | 8851.94 | 0 | 0 |
| 43 | 165.885 | 326.938 | 5970.96 | 0 | 0 |
| 44 | 169.621 | 329.703 | 3277.04 | 0 | 0 |
| 45 | 173.356 | 332.558 | 821.949 | 0 | 0 |
| 46 | 177.092 | 335.508 | -1341.96 | 0 | 0 |
| 47 | 180.924 | 338.636 | -4077.85 | 0 | 0 |
| 48 | 184.757 | 341.871 | -6331.53 | 0 | 0 |
| 49 | 188.589 | 345.219 | -8030.5 | 0 | 0 |
| 50 | 192.422 | 348.683 | -9096.9 | 0 | 0 |
| 51 | 196.254 | 352.269 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.13744

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 8.02339 | 269.783 | 0 | 0 | 0 |
| 2 | 11.7223 | 269.657 | 642.927 | 0 | 0 |
| 3 | 15.4212 | 269.592 | 1579.12 | 0 | 0 |
| 4 | 19.1201 | 269.586 | 2850.14 | 0 | 0 |
| 5 | 22.819 | 269.641 | 4457.56 | 0 | 0 |
| 6 | 26.5179 | 269.756 | 6350.04 | 0 | 0 |
| 7 | 30.2168 | 269.93 | 8479.34 | 0 | 0 |
| 8 | 33.9157 | 270.166 | 10800.2 | 0 | 0 |
| 9 | 37.6146 | 270.461 | 13269.9 | 0 | 0 |
| 10 | 41.3135 | 270.817 | 15848.7 | 0 | 0 |
| 11 | 45.0124 | 271.235 | 18499.1 | 0 | 0 |
| 12 | 48.7113 | 271.713 | 21185.8 | 0 | 0 |
| 13 | 52.4102 | 272.254 | 23876.1 | 0 | 0 |
| 14 | 56.1091 | 272.856 | 26539.1 | 0 | 0 |
| 15 | 59.808 | 273.522 | 29146.2 | 0 | 0 |
| 16 | 63.5069 | 274.25 | 31670.6 | 0 | 0 |
| 17 | 67.2058 | 275.042 | 34087.6 | 0 | 0 |
| 18 | 70.9048 | 275.899 | 36374.2 | 0 | 0 |
| 19 | 74.6037 | 276.821 | 38509.1 | 0 | 0 |
| 20 | 78.3026 | 277.81 | 40473.2 | 0 | 0 |
| 21 | 82.0015 | 278.865 | 42248.5 | 0 | 0 |
| 22 | 85.7004 | 279.988 | 43819.4 | 0 | 0 |
| 23 | 89.3993 | 281.181 | 45171.3 | 0 | 0 |
| 24 | 93.0982 | 282.443 | 46291.9 | 0 | 0 |
| 25 | 96.7971 | 283.777 | 47170.1 | 0 | 0 |
| 26 | 100.496 | 285.184 | 47796.7 | 0 | 0 |
| 27 | 104.195 | 286.665 | 48164.4 | 0 | 0 |
| 28 | 107.894 | 288.222 | 48267.2 | 0 | 0 |
| 29 | 111.593 | 289.857 | 48101.4 | 0 | 0 |
| 30 | 115.292 | 291.57 | 47681.3 | 0 | 0 |
| 31 | 118.991 | 293.366 | 47028.1 | 0 | 0 |
| 32 | 122.689 | 295.244 | 46159.3 | 0 | 0 |
| 33 | 126.388 | 297.209 | 45094.1 | 0 | 0 |
| 34 | 130.087 | 299.262 | 43854.3 | 0 | 0 |
| 35 | 133.786 | 301.406 | 42463.9 | 0 | 0 |
| 36 | 137.485 | 303.645 | 40949.7 | 0 | 0 |
| 37 | 141.184 | 305.981 | 39341.3 | 0 | 0 |
| 38 | 144.883 | 308.418 | 37671.4 | 0 | 0 |
| 39 | 148.582 | 310.96 | 35976 | 0 | 0 |
| 40 | 152.281 | 313.612 | 34119 | 0 | 0 |
| 41 | 155.98 | 316.378 | 29917.2 | 0 | 0 |
| 42 | 159.678 | 319.264 | 25758.6 | 0 | 0 |
| 43 | 163.377 | 322.275 | 21712 | 0 | 0 |
| 44 | 167.076 | 325.419 | 17851.8 | 0 | 0 |
| 45 | 170.775 | 328.702 | 14258.9 | 0 | 0 |
| 46 | 174.474 | 332.132 | 11021.8 | 0 | 0 |
| 47 | 178.173 | 335.72 | 8163.9 | 0 | 0 |
| 48 | 181.943 | 339.55 | 4853.91 | 0 | 0 |
| 49 | 185.713 | 343.567 | 2291.94 | 0 | 0 |
| 50 | 189.484 | 347.787 | 618.746 | 0 | 0 |
| 51 | 193.254 | 352.227 | 0 | 0 | 0 |

# Cross Section BB-BB' - Master Scenario

## Global Minimum Query (bishop simplified) - Safety Factor: 1.63998

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 0.0225824 | 274.017 | 0 | 0 | 0 |
| 2 | 2.92517 | 274.633 | 321.614 | 0 | 0 |
| 3 | 5.82776 | 275.282 | 772.13 | 0 | 0 |
| 4 | 8.73035 | 275.965 | 1334.16 | 0 | 0 |
| 5 | 11.6329 | 276.682 | 1967.38 | 0 | 0 |
| 6 | 14.5355 | 277.434 | 2649.97 | 0 | 0 |
| 7 | 17.4381 | 278.22 | 3371.17 | 0 | 0 |
| 8 | 20.3407 | 279.041 | 4120.66 | 0 | 0 |
| 9 | 23.2433 | 279.897 | 4888.56 | 0 | 0 |
| 10 | 26.1459 | 280.789 | 5665.41 | 0 | 0 |
| 11 | 29.0485 | 281.717 | 6442.2 | 0 | 0 |
| 12 | 31.9511 | 282.682 | 7210.33 | 0 | 0 |
| 13 | 34.8537 | 283.683 | 7961.63 | 0 | 0 |
| 14 | 37.7563 | 284.721 | 8688.37 | 0 | 0 |
| 15 | 40.6588 | 285.798 | 9383.26 | 0 | 0 |
| 16 | 43.5614 | 286.912 | 10039.4 | 0 | 0 |
| 17 | 46.464 | 288.065 | 10650.5 | 0 | 0 |
| 18 | 49.3666 | 289.257 | 11210.4 | 0 | 0 |
| 19 | 52.2692 | 290.49 | 11713.8 | 0 | 0 |
| 20 | 55.1718 | 291.762 | 12155.4 | 0 | 0 |
| 21 | 58.0744 | 293.076 | 12530.9 | 0 | 0 |
| 22 | 60.977 | 294.431 | 12836 | 0 | 0 |
| 23 | 63.8796 | 295.829 | 13067.3 | 0 | 0 |
| 24 | 66.7822 | 297.27 | 13221.5 | 0 | 0 |
| 25 | 69.6847 | 298.755 | 13296.2 | 0 | 0 |
| 26 | 72.5873 | 300.284 | 13289.4 | 0 | 0 |
| 27 | 75.4899 | 301.859 | 13199.6 | 0 | 0 |
| 28 | 78.3925 | 303.481 | 13025.9 | 0 | 0 |
| 29 | 81.2951 | 305.15 | 12768.2 | 0 | 0 |
| 30 | 84.1977 | 306.868 | 12426.8 | 0 | 0 |
| 31 | 87.1003 | 308.635 | 12002.8 | 0 | 0 |
| 32 | 90.0029 | 310.454 | 11498 | 0 | 0 |
| 33 | 92.9055 | 312.324 | 10914.9 | 0 | 0 |
| 34 | 95.8081 | 314.248 | 10256.8 | 0 | 0 |
| 35 | 98.7107 | 316.226 | 9527.92 | 0 | 0 |
| 36 | 101.613 | 318.26 | 8733.23 | 0 | 0 |
| 37 | 104.516 | 320.353 | 7878.7 | 0 | 0 |
| 38 | 107.418 | 322.505 | 6971.34 | 0 | 0 |
| 39 | 110.321 | 324.718 | 6019.19 | 0 | 0 |
| 40 | 113.224 | 326.994 | 5031.49 | 0 | 0 |
| 41 | 116.126 | 329.335 | 4018.7 | 0 | 0 |
| 42 | 119.029 | 331.744 | 2992.67 | 0 | 0 |
| 43 | 121.931 | 334.223 | 1966.7 | 0 | 0 |
| 44 | 124.834 | 336.775 | 955.675 | 0 | 0 |
| 45 | 127.737 | 339.401 | -23.7441 | 0 | 0 |
| 46 | 130.639 | 342.106 | -952.999 | 0 | 0 |
| 47 | 133.542 | 344.893 | -1811.42 | 0 | 0 |
| 48 | 136.444 | 347.764 | -2576.03 | 0 | 0 |
| 49 | 139.347 | 350.725 | -3158.82 | 0 | 0 |
| 50 | 142.25 | 353.779 | -3394.28 | 0 | 0 |
| 51 | 145.152 | 356.932 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.58156

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 0.0225824 | 274.017 | 0 | 0 | 0 |
| 2 | 2.86796 | 274.346 | 377.69 | 0 | 0 |
| 3 | 5.71334 | 274.716 | 974.69 | 0 | 0 |
| 4 | 8.55872 | 275.127 | 1764.36 | 0 | 0 |
| 5 | 11.4041 | 275.579 | 2687.58 | 0 | 0 |
| 6 | 14.2495 | 276.073 | 3708.02 | 0 | 0 |
| 7 | 17.0948 | 276.608 | 4807.9 | 0 | 0 |
| 8 | 19.9402 | 277.186 | 5970.25 | 0 | 0 |
| 9 | 22.7856 | 277.807 | 7178.82 | 0 | 0 |
| 10 | 25.631 | 278.471 | 8418.11 | 0 | 0 |
| 11 | 28.4764 | 279.178 | 9673.32 | 0 | 0 |
| 12 | 31.3217 | 279.929 | 10930.4 | 0 | 0 |
| 13 | 34.1671 | 280.725 | 12175.8 | 0 | 0 |
| 14 | 37.0125 | 281.566 | 13397 | 0 | 0 |
| 15 | 39.8579 | 282.452 | 14581.9 | 0 | 0 |
| 16 | 42.7032 | 283.384 | 15719.1 | 0 | 0 |
| 17 | 45.5486 | 284.364 | 16797.9 | 0 | 0 |
| 18 | 48.394 | 285.391 | 17808.4 | 0 | 0 |
| 19 | 51.2394 | 286.466 | 18741.1 | 0 | 0 |
| 20 | 54.0848 | 287.591 | 19587.5 | 0 | 0 |
| 21 | 56.9301 | 288.765 | 20339.6 | 0 | 0 |
| 22 | 59.7755 | 289.991 | 20990.2 | 0 | 0 |
| 23 | 62.6209 | 291.269 | 21532.7 | 0 | 0 |
| 24 | 65.4663 | 292.6 | 21961.4 | 0 | 0 |
| 25 | 68.3116 | 293.986 | 22271.3 | 0 | 0 |
| 26 | 71.157 | 295.427 | 22458.2 | 0 | 0 |
| 27 | 74.0024 | 296.925 | 22518.7 | 0 | 0 |
| 28 | 76.8478 | 298.481 | 22450.2 | 0 | 0 |
| 29 | 79.6932 | 300.098 | 22251.3 | 0 | 0 |
| 30 | 82.5385 | 301.776 | 21921.2 | 0 | 0 |
| 31 | 85.3839 | 303.518 | 21460.3 | 0 | 0 |
| 32 | 88.2293 | 305.324 | 20870.1 | 0 | 0 |
| 33 | 91.0747 | 307.199 | 20153.2 | 0 | 0 |
| 34 | 93.92 | 309.143 | 19313.4 | 0 | 0 |
| 35 | 96.7654 | 311.159 | 18356.1 | 0 | 0 |
| 36 | 99.6108 | 313.251 | 17287.8 | 0 | 0 |
| 37 | 102.456 | 315.42 | 16116.9 | 0 | 0 |
| 38 | 105.302 | 317.67 | 14853.4 | 0 | 0 |
| 39 | 108.147 | 320.005 | 13509.2 | 0 | 0 |
| 40 | 110.992 | 322.429 | 12098.5 | 0 | 0 |
| 41 | 113.838 | 324.945 | 10637.7 | 0 | 0 |
| 42 | 116.683 | 327.559 | 9146.08 | 0 | 0 |
| 43 | 119.528 | 330.275 | 7645.78 | 0 | 0 |
| 44 | 122.374 | 333.101 | 6162.42 | 0 | 0 |
| 45 | 125.219 | 336.041 | 4725.54 | 0 | 0 |
| 46 | 128.065 | 339.104 | 3369.15 | 0 | 0 |
| 47 | 130.91 | 342.298 | 2132.5 | 0 | 0 |
| 48 | 133.755 | 345.633 | 1060.91 | 0 | 0 |
| 49 | 136.601 | 349.12 | 206.905 | 0 | 0 |
| 50 | 139.446 | 352.773 | -279.12 | 0 | 0 |
| 51 | 142.291 | 356.605 | 0 | 0 | 0 |

## Cross Section BB-BB' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 1.05128

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 0.0169368 | 274.013 | 0 | 0 | 0 |
| 2 | 2.96071 | 274.618 | 452.117 | 0 | 0 |
| 3 | 5.90449 | 275.258 | 1034.21 | 0 | 0 |
| 4 | 8.84826 | 275.931 | 1725.91 | 0 | 0 |
| 5 | 11.792 | 276.64 | 2484.24 | 0 | 0 |
| 6 | 14.7358 | 277.383 | 3286.9 | 0 | 0 |
| 7 | 17.6796 | 278.162 | 4121.79 | 0 | 0 |
| 8 | 20.6234 | 278.976 | 4977.4 | 0 | 0 |
| 9 | 23.5671 | 279.826 | 5842.79 | 0 | 0 |
| 10 | 26.5109 | 280.712 | 6707.59 | 0 | 0 |
| 11 | 29.4547 | 281.635 | 7562 | 0 | 0 |
| 12 | 32.3985 | 282.595 | 8396.75 | 0 | 0 |
| 13 | 35.3422 | 283.592 | 9203.14 | 0 | 0 |
| 14 | 38.286 | 284.627 | 9973 | 0 | 0 |
| 15 | 41.2298 | 285.701 | 10698.7 | 0 | 0 |
| 16 | 44.1735 | 286.813 | 11373.2 | 0 | 0 |
| 17 | 47.1173 | 287.964 | 11989.9 | 0 | 0 |
| 18 | 50.0611 | 289.155 | 12542.9 | 0 | 0 |
| 19 | 53.0049 | 290.387 | 13026.7 | 0 | 0 |
| 20 | 55.9486 | 291.66 | 13436.5 | 0 | 0 |
| 21 | 58.8924 | 292.974 | 13767.8 | 0 | 0 |
| 22 | 61.8362 | 294.331 | 14016.9 | 0 | 0 |
| 23 | 64.78 | 295.73 | 14180.7 | 0 | 0 |
| 24 | 67.7237 | 297.174 | 14256.6 | 0 | 0 |
| 25 | 70.6675 | 298.662 | 14242.4 | 0 | 0 |
| 26 | 73.6113 | 300.195 | 14136.9 | 0 | 0 |
| 27 | 76.5551 | 301.774 | 13939.2 | 0 | 0 |
| 28 | 79.4988 | 303.401 | 13649.2 | 0 | 0 |
| 29 | 82.4426 | 305.076 | 13267.5 | 0 | 0 |
| 30 | 85.3864 | 306.8 | 12795.4 | 0 | 0 |
| 31 | 88.3302 | 308.575 | 12234.6 | 0 | 0 |
| 32 | 91.2739 | 310.4 | 11588 | 0 | 0 |
| 33 | 94.2177 | 312.279 | 10859.1 | 0 | 0 |
| 34 | 97.1615 | 314.212 | 10052.1 | 0 | 0 |
| 35 | 100.105 | 316.2 | 9172.09 | 0 | 0 |
| 36 | 103.049 | 318.244 | 8225.26 | 0 | 0 |
| 37 | 105.993 | 320.348 | 7218.57 | 0 | 0 |
| 38 | 108.937 | 322.511 | 6160.04 | 0 | 0 |
| 39 | 111.88 | 324.737 | 5058.77 | 0 | 0 |
| 40 | 114.824 | 327.027 | 3925.01 | 0 | 0 |
| 41 | 117.768 | 329.382 | 2770.22 | 0 | 0 |
| 42 | 120.712 | 331.806 | 1607.2 | 0 | 0 |
| 43 | 123.655 | 334.301 | 450.154 | 0 | 0 |
| 44 | 126.599 | 336.868 | -685.188 | 0 | 0 |
| 45 | 129.543 | 339.512 | -1781.43 | 0 | 0 |
| 46 | 132.487 | 342.236 | -2819.38 | 0 | 0 |
| 47 | 135.431 | 345.041 | -3777.87 | 0 | 0 |
| 48 | 138.374 | 347.933 | -4612.12 | 0 | 0 |
| 49 | 141.318 | 350.915 | -5140.78 | 0 | 0 |
| 50 | 144.262 | 353.991 | -5290.43 | 0 | 0 |
| 51 | 147.206 | 357.166 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.00779

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 0.135494 | 274.102 | 0 | 0 | 0 |
| 2 | 3.01956 | 274.414 | 534.408 | 0 | 0 |
| 3 | 5.90363 | 274.769 | 1310.21 | 0 | 0 |
| 4 | 8.78769 | 275.165 | 2293.73 | 0 | 0 |
| 5 | 11.6718 | 275.604 | 3415.41 | 0 | 0 |
| 6 | 14.5558 | 276.084 | 4637.16 | 0 | 0 |
| 7 | 17.4399 | 276.608 | 5937.97 | 0 | 0 |
| 8 | 20.324 | 277.174 | 7297.96 | 0 | 0 |
| 9 | 23.208 | 277.784 | 8698.31 | 0 | 0 |
| 10 | 26.0921 | 278.438 | 10121.2 | 0 | 0 |
| 11 | 28.9762 | 279.135 | 11550 | 0 | 0 |
| 12 | 31.8602 | 279.878 | 12968.7 | 0 | 0 |
| 13 | 34.7443 | 280.666 | 14362.6 | 0 | 0 |
| 14 | 37.6283 | 281.499 | 15717.6 | 0 | 0 |
| 15 | 40.5124 | 282.379 | 17020.8 | 0 | 0 |
| 16 | 43.3965 | 283.305 | 18260 | 0 | 0 |
| 17 | 46.2805 | 284.279 | 19423.9 | 0 | 0 |
| 18 | 49.1646 | 285.302 | 20502.1 | 0 | 0 |
| 19 | 52.0487 | 286.374 | 21485 | 0 | 0 |
| 20 | 54.9327 | 287.495 | 22364.1 | 0 | 0 |
| 21 | 57.8168 | 288.668 | 23131.4 | 0 | 0 |
| 22 | 60.7009 | 289.892 | 23779.9 | 0 | 0 |
| 23 | 63.5849 | 291.17 | 24303.6 | 0 | 0 |
| 24 | 66.469 | 292.501 | 24697.2 | 0 | 0 |
| 25 | 69.3531 | 293.887 | 24956.4 | 0 | 0 |
| 26 | 72.2371 | 295.329 | 25077.9 | 0 | 0 |
| 27 | 75.1212 | 296.83 | 25059.1 | 0 | 0 |
| 28 | 78.0053 | 298.389 | 24898.5 | 0 | 0 |
| 29 | 80.8893 | 300.01 | 24595.7 | 0 | 0 |
| 30 | 83.7734 | 301.692 | 24151.3 | 0 | 0 |
| 31 | 86.6575 | 303.439 | 23566.8 | 0 | 0 |
| 32 | 89.5415 | 305.252 | 22845.2 | 0 | 0 |
| 33 | 92.4256 | 307.134 | 21990.6 | 0 | 0 |
| 34 | 95.3097 | 309.086 | 21008.1 | 0 | 0 |
| 35 | 98.1937 | 311.111 | 19904.8 | 0 | 0 |
| 36 | 101.078 | 313.212 | 18688.6 | 0 | 0 |
| 37 | 103.962 | 315.392 | 17369.7 | 0 | 0 |
| 38 | 106.846 | 317.654 | 15959.4 | 0 | 0 |
| 39 | 109.73 | 320.001 | 14471.5 | 0 | 0 |
| 40 | 112.614 | 322.438 | 12921.5 | 0 | 0 |
| 41 | 115.498 | 324.969 | 11327.3 | 0 | 0 |
| 42 | 118.382 | 327.598 | 9709.47 | 0 | 0 |
| 43 | 121.266 | 330.331 | 8091.34 | 0 | 0 |
| 44 | 124.15 | 333.174 | 6499.5 | 0 | 0 |
| 45 | 127.034 | 336.134 | 4964.16 | 0 | 0 |
| 46 | 129.918 | 339.217 | 3519.7 | 0 | 0 |
| 47 | 132.803 | 342.432 | 2205.23 | 0 | 0 |
| 48 | 135.687 | 345.79 | 1065.36 | 0 | 0 |
| 49 | 138.571 | 349.302 | 185.947 | 0 | 0 |
| 50 | 141.455 | 352.979 | -185.939 | 0 | 0 |
| 51 | 144.339 | 356.839 | 0 | 0 | 0 |

# Cross Section CC-CC' - Master Scenario

## Global Minimum Query (bishop simplified) - Safety Factor: 1.69983

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 1.80083 | 292.72 | 0 | 0 | 0 |
| 2 | 4.86799 | 293.137 | 257.625 | 0 | 0 |
| 3 | 7.93516 | 293.591 | 589.302 | 0 | 0 |
| 4 | 11.0023 | 294.083 | 985.717 | 0 | 0 |
| 5 | 14.0695 | 294.613 | 1455.66 | 0 | 0 |
| 6 | 17.1367 | 295.18 | 1992.94 | 0 | 0 |
| 7 | 20.2038 | 295.787 | 2587.41 | 0 | 0 |
| 8 | 23.271 | 296.431 | 3232.23 | 0 | 0 |
| 9 | 26.3382 | 297.115 | 3915.89 | 0 | 0 |
| 10 | 29.4053 | 297.838 | 4627.07 | 0 | 0 |
| 11 | 32.4725 | 298.601 | 5355.03 | 0 | 0 |
| 12 | 35.5397 | 299.404 | 6089.51 | 0 | 0 |
| 13 | 38.6068 | 300.247 | 6820.79 | 0 | 0 |
| 14 | 41.674 | 301.131 | 7539.69 | 0 | 0 |
| 15 | 44.7412 | 302.056 | 8237.51 | 0 | 0 |
| 16 | 47.8083 | 303.022 | 8906.1 | 0 | 0 |
| 17 | 50.8755 | 304.031 | 9537.82 | 0 | 0 |
| 18 | 53.9427 | 305.083 | 10125.5 | 0 | 0 |
| 19 | 57.0098 | 306.178 | 10662.7 | 0 | 0 |
| 20 | 60.077 | 307.316 | 11143.3 | 0 | 0 |
| 21 | 63.1442 | 308.499 | 11561.7 | 0 | 0 |
| 22 | 66.2113 | 309.728 | 11913 | 0 | 0 |
| 23 | 69.2785 | 311.002 | 12192.9 | 0 | 0 |
| 24 | 72.3457 | 312.322 | 12397.6 | 0 | 0 |
| 25 | 75.4128 | 313.69 | 12523.8 | 0 | 0 |
| 26 | 78.48 | 315.106 | 12568.9 | 0 | 0 |
| 27 | 81.5472 | 316.571 | 12531 | 0 | 0 |
| 28 | 84.6143 | 318.087 | 12408.8 | 0 | 0 |
| 29 | 87.6815 | 319.653 | 12201.6 | 0 | 0 |
| 30 | 90.7487 | 321.271 | 11909.6 | 0 | 0 |
| 31 | 93.8158 | 322.942 | 11533.4 | 0 | 0 |
| 32 | 96.883 | 324.668 | 11074.9 | 0 | 0 |
| 33 | 99.9502 | 326.449 | 10536.2 | 0 | 0 |
| 34 | 103.017 | 328.287 | 9920.83 | 0 | 0 |
| 35 | 106.085 | 330.183 | 9232.86 | 0 | 0 |
| 36 | 109.152 | 332.14 | 8477.48 | 0 | 0 |
| 37 | 112.219 | 334.157 | 7660.87 | 0 | 0 |
| 38 | 115.286 | 336.239 | 6790.33 | 0 | 0 |
| 39 | 118.353 | 338.385 | 5874.32 | 0 | 0 |
| 40 | 121.42 | 340.598 | 4922.6 | 0 | 0 |
| 41 | 124.488 | 342.881 | 3946.26 | 0 | 0 |
| 42 | 127.555 | 345.235 | 2957.9 | 0 | 0 |
| 43 | 130.622 | 347.664 | 1971.72 | 0 | 0 |
| 44 | 133.689 | 350.169 | 1005.23 | 0 | 0 |
| 45 | 136.756 | 352.754 | 79.0941 | 0 | 0 |
| 46 | 139.823 | 355.423 | -786.205 | 0 | 0 |
| 47 | 142.891 | 358.177 | -1567.88 | 0 | 0 |
| 48 | 145.958 | 361.022 | -2242.55 | 0 | 0 |
| 49 | 149.025 | 363.962 | -2710.2 | 0 | 0 |
| 50 | 152.092 | 367 | -2776.6 | 0 | 0 |
| 51 | 153.079 | 368 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.63519

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 0.300138 | 292.12 | 0 | 0 | 0 |
| 2 | 3.36295 | 292.218 | 314.912 | 0 | 0 |
| 3 | 6.42576 | 292.363 | 782.246 | 0 | 0 |
| 4 | 9.48857 | 292.556 | 1381.26 | 0 | 0 |
| 5 | 12.5514 | 292.797 | 2106.13 | 0 | 0 |
| 6 | 15.6142 | 293.086 | 2961.08 | 0 | 0 |
| 7 | 18.677 | 293.423 | 3925.58 | 0 | 0 |
| 8 | 21.7398 | 293.809 | 4986.35 | 0 | 0 |
| 9 | 24.8026 | 294.243 | 6126.3 | 0 | 0 |
| 10 | 27.8654 | 294.727 | 7325.96 | 0 | 0 |
| 11 | 30.9283 | 295.26 | 8566.83 | 0 | 0 |
| 12 | 33.9911 | 295.843 | 9831.35 | 0 | 0 |
| 13 | 37.0539 | 296.476 | 11102.9 | 0 | 0 |
| 14 | 40.1167 | 297.161 | 12365.7 | 0 | 0 |
| 15 | 43.1795 | 297.896 | 13605 | 0 | 0 |
| 16 | 46.2423 | 298.684 | 14806.7 | 0 | 0 |
| 17 | 49.3051 | 299.524 | 15957.7 | 0 | 0 |
| 18 | 52.3679 | 300.418 | 17045.8 | 0 | 0 |
| 19 | 55.4307 | 301.366 | 18059.5 | 0 | 0 |
| 20 | 58.4936 | 302.368 | 18988.2 | 0 | 0 |
| 21 | 61.5564 | 303.427 | 19822.2 | 0 | 0 |
| 22 | 64.6192 | 304.542 | 20552.7 | 0 | 0 |
| 23 | 67.682 | 305.715 | 21171.6 | 0 | 0 |
| 24 | 70.7448 | 306.947 | 21671.9 | 0 | 0 |
| 25 | 73.8076 | 308.239 | 22047.5 | 0 | 0 |
| 26 | 76.8704 | 309.592 | 22293 | 0 | 0 |
| 27 | 79.9332 | 311.009 | 22404.2 | 0 | 0 |
| 28 | 82.996 | 312.489 | 22377.9 | 0 | 0 |
| 29 | 86.0589 | 314.036 | 22211.9 | 0 | 0 |
| 30 | 89.1217 | 315.65 | 21905.1 | 0 | 0 |
| 31 | 92.1845 | 317.334 | 21457.7 | 0 | 0 |
| 32 | 95.2473 | 319.089 | 20871 | 0 | 0 |
| 33 | 98.3101 | 320.919 | 20147.7 | 0 | 0 |
| 34 | 101.373 | 322.824 | 19291.9 | 0 | 0 |
| 35 | 104.436 | 324.809 | 18309.4 | 0 | 0 |
| 36 | 107.499 | 326.876 | 17207.5 | 0 | 0 |
| 37 | 110.561 | 329.028 | 15995.5 | 0 | 0 |
| 38 | 113.624 | 331.268 | 14684.5 | 0 | 0 |
| 39 | 116.687 | 333.6 | 13288 | 0 | 0 |
| 40 | 119.75 | 336.03 | 11822.1 | 0 | 0 |
| 41 | 122.813 | 338.56 | 10305.2 | 0 | 0 |
| 42 | 125.875 | 341.197 | 8759.35 | 0 | 0 |
| 43 | 128.938 | 343.946 | 7209.75 | 0 | 0 |
| 44 | 132.001 | 346.813 | 5686.01 | 0 | 0 |
| 45 | 135.064 | 349.807 | 4225.81 | 0 | 0 |
| 46 | 138.127 | 352.934 | 2870.18 | 0 | 0 |
| 47 | 141.189 | 356.206 | 1665.27 | 0 | 0 |
| 48 | 144.252 | 359.632 | 664.548 | 0 | 0 |
| 49 | 147.315 | 363.225 | -66.9758 | 0 | 0 |
| 50 | 150.378 | 367 | -243.036 | 0 | 0 |
| 51 | 151.164 | 368 | 0 | 0 | 0 |

## Cross Section CC-CC' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 1.06814

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 0.0750345 | 292.03 | 0 | 0 | 0 |
| 2 | 3.22305 | 292.43 | 389.772 | 0 | 0 |
| 3 | 6.37106 | 292.869 | 859.281 | 0 | 0 |
| 4 | 9.51907 | 293.346 | 1395.53 | 0 | 0 |
| 5 | 12.6671 | 293.863 | 1996.3 | 0 | 0 |
| 6 | 15.8151 | 294.419 | 2665.27 | 0 | 0 |
| 7 | 18.9631 | 295.015 | 3388.93 | 0 | 0 |
| 8 | 22.1111 | 295.65 | 4158.78 | 0 | 0 |
| 9 | 25.2591 | 296.326 | 4962.89 | 0 | 0 |
| 10 | 28.4072 | 297.042 | 5788.22 | 0 | 0 |
| 11 | 31.5552 | 297.799 | 6622.48 | 0 | 0 |
| 12 | 34.7032 | 298.597 | 7454.07 | 0 | 0 |
| 13 | 37.8512 | 299.436 | 8272.08 | 0 | 0 |
| 14 | 40.9992 | 300.318 | 9066.31 | 0 | 0 |
| 15 | 44.1472 | 301.242 | 9827.2 | 0 | 0 |
| 16 | 47.2952 | 302.209 | 10545.9 | 0 | 0 |
| 17 | 50.4432 | 303.219 | 11214.2 | 0 | 0 |
| 18 | 53.5913 | 304.273 | 11824.6 | 0 | 0 |
| 19 | 56.7393 | 305.372 | 12370.1 | 0 | 0 |
| 20 | 59.8873 | 306.515 | 12844.7 | 0 | 0 |
| 21 | 63.0353 | 307.705 | 13242.6 | 0 | 0 |
| 22 | 66.1833 | 308.94 | 13559.1 | 0 | 0 |
| 23 | 69.3313 | 310.223 | 13789.9 | 0 | 0 |
| 24 | 72.4793 | 311.554 | 13931.6 | 0 | 0 |
| 25 | 75.6273 | 312.933 | 13981.3 | 0 | 0 |
| 26 | 78.7754 | 314.362 | 13936.9 | 0 | 0 |
| 27 | 81.9234 | 315.841 | 13797 | 0 | 0 |
| 28 | 85.0714 | 317.371 | 13560.9 | 0 | 0 |
| 29 | 88.2194 | 318.953 | 13228.8 | 0 | 0 |
| 30 | 91.3674 | 320.589 | 12801.6 | 0 | 0 |
| 31 | 94.5154 | 322.28 | 12280.9 | 0 | 0 |
| 32 | 97.6634 | 324.026 | 11669.4 | 0 | 0 |
| 33 | 100.811 | 325.829 | 10970.4 | 0 | 0 |
| 34 | 103.959 | 327.691 | 10188.4 | 0 | 0 |
| 35 | 107.107 | 329.612 | 9328.64 | 0 | 0 |
| 36 | 110.255 | 331.595 | 8397.44 | 0 | 0 |
| 37 | 113.404 | 333.64 | 7402.2 | 0 | 0 |
| 38 | 116.552 | 335.751 | 6351.45 | 0 | 0 |
| 39 | 119.7 | 337.928 | 5254.91 | 0 | 0 |
| 40 | 122.848 | 340.174 | 4123.59 | 0 | 0 |
| 41 | 125.996 | 342.491 | 2969.85 | 0 | 0 |
| 42 | 129.144 | 344.881 | 1807.52 | 0 | 0 |
| 43 | 132.292 | 347.347 | 652.388 | 0 | 0 |
| 44 | 135.44 | 349.892 | -474.957 | 0 | 0 |
| 45 | 138.588 | 352.519 | -1554.33 | 0 | 0 |
| 46 | 141.736 | 355.23 | -2564.27 | 0 | 0 |
| 47 | 144.884 | 358.03 | -3481.27 | 0 | 0 |
| 48 | 148.032 | 360.922 | -4258.36 | 0 | 0 |
| 49 | 151.18 | 363.91 | -4675.56 | 0 | 0 |
| 50 | 154.328 | 367 | -4649.71 | 0 | 0 |
| 51 | 155.324 | 368 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.02219

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 0.300138 | 292.12 | 0 | 0 | 0 |
| 2 | 3.39463 | 292.201 | 467.16 | 0 | 0 |
| 3 | 6.48913 | 292.33 | 1102.63 | 0 | 0 |
| 4 | 9.58362 | 292.508 | 1881.09 | 0 | 0 |
| 5 | 12.6781 | 292.735 | 2795.07 | 0 | 0 |
| 6 | 15.7726 | 293.01 | 3845.81 | 0 | 0 |
| 7 | 18.8671 | 293.334 | 5008.77 | 0 | 0 |
| 8 | 21.9616 | 293.707 | 6267.86 | 0 | 0 |
| 9 | 25.0561 | 294.13 | 7602.31 | 0 | 0 |
| 10 | 28.1506 | 294.602 | 8989.68 | 0 | 0 |
| 11 | 31.2451 | 295.125 | 10408.9 | 0 | 0 |
| 12 | 34.3396 | 295.698 | 11840.2 | 0 | 0 |
| 13 | 37.4341 | 296.323 | 13265.1 | 0 | 0 |
| 14 | 40.5286 | 296.998 | 14666.2 | 0 | 0 |
| 15 | 43.6231 | 297.726 | 16027.5 | 0 | 0 |
| 16 | 46.7175 | 298.507 | 17333.9 | 0 | 0 |
| 17 | 49.812 | 299.341 | 18571.7 | 0 | 0 |
| 18 | 52.9065 | 300.228 | 19728.1 | 0 | 0 |
| 19 | 56.001 | 301.171 | 20791.3 | 0 | 0 |
| 20 | 59.0955 | 302.169 | 21750.7 | 0 | 0 |
| 21 | 62.19 | 303.223 | 22596.8 | 0 | 0 |
| 22 | 65.2845 | 304.335 | 23321.1 | 0 | 0 |
| 23 | 68.379 | 305.506 | 23916 | 0 | 0 |
| 24 | 71.4735 | 306.736 | 24375.2 | 0 | 0 |
| 25 | 74.568 | 308.026 | 24693.3 | 0 | 0 |
| 26 | 77.6625 | 309.379 | 24866.1 | 0 | 0 |
| 27 | 80.757 | 310.795 | 24890.3 | 0 | 0 |
| 28 | 83.8515 | 312.277 | 24764.1 | 0 | 0 |
| 29 | 86.946 | 313.825 | 24486.5 | 0 | 0 |
| 30 | 90.0405 | 315.441 | 24057.9 | 0 | 0 |
| 31 | 93.135 | 317.127 | 23480 | 0 | 0 |
| 32 | 96.2294 | 318.886 | 22755.8 | 0 | 0 |
| 33 | 99.3239 | 320.72 | 21889.7 | 0 | 0 |
| 34 | 102.418 | 322.631 | 20887.5 | 0 | 0 |
| 35 | 105.513 | 324.621 | 19756.6 | 0 | 0 |
| 36 | 108.607 | 326.694 | 18506.4 | 0 | 0 |
| 37 | 111.702 | 328.853 | 17147.8 | 0 | 0 |
| 38 | 114.796 | 331.101 | 15693.9 | 0 | 0 |
| 39 | 117.891 | 333.442 | 14159.7 | 0 | 0 |
| 40 | 120.985 | 335.881 | 12563 | 0 | 0 |
| 41 | 124.08 | 338.422 | 10924 | 0 | 0 |
| 42 | 127.174 | 341.07 | 9265.85 | 0 | 0 |
| 43 | 130.269 | 343.831 | 7615.06 | 0 | 0 |
| 44 | 133.363 | 346.712 | 6003.34 | 0 | 0 |
| 45 | 136.458 | 349.719 | 4469.03 | 0 | 0 |
| 46 | 139.552 | 352.862 | 3052.15 | 0 | 0 |
| 47 | 142.647 | 356.15 | 1798.17 | 0 | 0 |
| 48 | 145.741 | 359.594 | 757.266 | 0 | 0 |
| 49 | 148.836 | 363.205 | 64.8 | 0 | 0 |
| 50 | 151.93 | 367 | 12.2971 | 0 | 0 |
| 51 | 152.72 | 368 | 0 | 0 | 0 |

## Cross Section DD-DD' - Master Scenario

### Global Minimum Query (bishop simplified) - Safety Factor: 1.75738

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 5.24779 | 304.099 | 0 | 0 | 0 |
| 2 | 8.41282 | 304.454 | 267.088 | 0 | 0 |
| 3 | 11.5779 | 304.847 | 624.433 | 0 | 0 |
| 4 | 14.7429 | 305.279 | 1059.59 | 0 | 0 |
| 5 | 17.9079 | 305.749 | 1560.73 | 0 | 0 |
| 6 | 21.073 | 306.259 | 2118.4 | 0 | 0 |
| 7 | 24.238 | 306.807 | 2743.23 | 0 | 0 |
| 8 | 27.4031 | 307.395 | 3428.63 | 0 | 0 |
| 9 | 30.5681 | 308.023 | 4161.73 | 0 | 0 |
| 10 | 33.7331 | 308.691 | 4930.22 | 0 | 0 |
| 11 | 36.8982 | 309.399 | 5722.37 | 0 | 0 |
| 12 | 40.0632 | 310.147 | 6527.01 | 0 | 0 |
| 13 | 43.2283 | 310.937 | 7333.52 | 0 | 0 |
| 14 | 46.3933 | 311.768 | 8131.83 | 0 | 0 |
| 15 | 49.5583 | 312.641 | 8912.42 | 0 | 0 |
| 16 | 52.7234 | 313.555 | 9666.31 | 0 | 0 |
| 17 | 55.8884 | 314.513 | 10385.1 | 0 | 0 |
| 18 | 59.0534 | 315.514 | 11060.9 | 0 | 0 |
| 19 | 62.2185 | 316.558 | 11686.4 | 0 | 0 |
| 20 | 65.3835 | 317.646 | 12254.8 | 0 | 0 |
| 21 | 68.5486 | 318.779 | 12760 | 0 | 0 |
| 22 | 71.7136 | 319.958 | 13196.3 | 0 | 0 |
| 23 | 74.8786 | 321.182 | 13558.7 | 0 | 0 |
| 24 | 78.0437 | 322.454 | 13842.8 | 0 | 0 |
| 25 | 81.2087 | 323.772 | 14044.7 | 0 | 0 |
| 26 | 84.3738 | 325.139 | 14161.1 | 0 | 0 |
| 27 | 87.5388 | 326.555 | 14189.7 | 0 | 0 |
| 28 | 90.7038 | 328.021 | 14128.3 | 0 | 0 |
| 29 | 93.8689 | 329.537 | 13975.9 | 0 | 0 |
| 30 | 97.0339 | 331.105 | 13731.8 | 0 | 0 |
| 31 | 100.199 | 332.726 | 13396.4 | 0 | 0 |
| 32 | 103.364 | 334.401 | 12970.6 | 0 | 0 |
| 33 | 106.529 | 336.131 | 12456.2 | 0 | 0 |
| 34 | 109.694 | 337.917 | 11855.9 | 0 | 0 |
| 35 | 112.859 | 339.761 | 11173.3 | 0 | 0 |
| 36 | 116.024 | 341.664 | 10412.8 | 0 | 0 |
| 37 | 119.189 | 343.627 | 9580 | 0 | 0 |
| 38 | 122.354 | 345.652 | 8681.38 | 0 | 0 |
| 39 | 125.519 | 347.741 | 7724.67 | 0 | 0 |
| 40 | 128.684 | 349.896 | 6718.8 | 0 | 0 |
| 41 | 131.849 | 352.118 | 5673.95 | 0 | 0 |
| 42 | 135.014 | 354.41 | 4594.79 | 0 | 0 |
| 43 | 138.179 | 356.774 | 3487.9 | 0 | 0 |
| 44 | 141.344 | 359.212 | 2366.43 | 0 | 0 |
| 45 | 144.509 | 361.727 | 1245.25 | 0 | 0 |
| 46 | 147.675 | 364.322 | 141.107 | 0 | 0 |
| 47 | 150.84 | 367 | -927.149 | 0 | 0 |
| 48 | 154.357 | 370.077 | -1849 | 0 | 0 |
| 49 | 157.874 | 373.266 | -2635.69 | 0 | 0 |
| 50 | 161.391 | 376.571 | -3051.27 | 0 | 0 |
| 51 | 164.909 | 380 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.6897

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 6.18489 | 304.474 | 0 | 0 | 0 |
| 2 | 9.33339 | 304.507 | 328.193 | 0 | 0 |
| 3 | 12.4819 | 304.589 | 831.798 | 0 | 0 |
| 4 | 15.6304 | 304.72 | 1487.4 | 0 | 0 |
| 5 | 18.7789 | 304.902 | 2272.85 | 0 | 0 |
| 6 | 21.9274 | 305.133 | 3175.72 | 0 | 0 |
| 7 | 25.0759 | 305.415 | 4207.15 | 0 | 0 |
| 8 | 28.2244 | 305.746 | 5347.33 | 0 | 0 |
| 9 | 31.3729 | 306.128 | 6574.17 | 0 | 0 |
| 10 | 34.5214 | 306.561 | 7866.69 | 0 | 0 |
| 11 | 37.6699 | 307.045 | 9204.98 | 0 | 0 |
| 12 | 40.8184 | 307.581 | 10570.1 | 0 | 0 |
| 13 | 43.9669 | 308.168 | 11944.3 | 0 | 0 |
| 14 | 47.1154 | 308.808 | 13310.5 | 0 | 0 |
| 15 | 50.2639 | 309.5 | 14652.9 | 0 | 0 |
| 16 | 53.4124 | 310.246 | 15956.3 | 0 | 0 |
| 17 | 56.5609 | 311.047 | 17206.8 | 0 | 0 |
| 18 | 59.7094 | 311.901 | 18391.2 | 0 | 0 |
| 19 | 62.8579 | 312.812 | 19497.2 | 0 | 0 |
| 20 | 66.0064 | 313.779 | 20513.5 | 0 | 0 |
| 21 | 69.1549 | 314.802 | 21429.6 | 0 | 0 |
| 22 | 72.3034 | 315.884 | 22236 | 0 | 0 |
| 23 | 75.4519 | 317.025 | 22924.3 | 0 | 0 |
| 24 | 78.6004 | 318.226 | 23486.7 | 0 | 0 |
| 25 | 81.7489 | 319.489 | 23916.6 | 0 | 0 |
| 26 | 84.8974 | 320.814 | 24208.3 | 0 | 0 |
| 27 | 88.0459 | 322.203 | 24357.2 | 0 | 0 |
| 28 | 91.1944 | 323.657 | 24359.7 | 0 | 0 |
| 29 | 94.3429 | 325.179 | 24213.4 | 0 | 0 |
| 30 | 97.4914 | 326.769 | 23917 | 0 | 0 |
| 31 | 100.64 | 328.43 | 23470.4 | 0 | 0 |
| 32 | 103.788 | 330.163 | 22874.9 | 0 | 0 |
| 33 | 106.937 | 331.971 | 22133 | 0 | 0 |
| 34 | 110.085 | 333.856 | 21248.9 | 0 | 0 |
| 35 | 113.234 | 335.822 | 20228.2 | 0 | 0 |
| 36 | 116.382 | 337.869 | 19078.5 | 0 | 0 |
| 37 | 119.531 | 340.003 | 17809.1 | 0 | 0 |
| 38 | 122.679 | 342.225 | 16431.2 | 0 | 0 |
| 39 | 125.828 | 344.54 | 14958.7 | 0 | 0 |
| 40 | 128.976 | 346.952 | 13407.7 | 0 | 0 |
| 41 | 132.125 | 349.465 | 11796.9 | 0 | 0 |
| 42 | 135.273 | 352.085 | 10139.1 | 0 | 0 |
| 43 | 138.422 | 354.817 | 8452.51 | 0 | 0 |
| 44 | 141.57 | 357.667 | 6764.62 | 0 | 0 |
| 45 | 144.719 | 360.642 | 5107.16 | 0 | 0 |
| 46 | 147.867 | 363.75 | 3517.08 | 0 | 0 |
| 47 | 151.016 | 367 | 2037.3 | 0 | 0 |
| 48 | 153.839 | 370.043 | 1023.79 | 0 | 0 |
| 49 | 156.661 | 373.218 | 206.374 | 0 | 0 |
| 50 | 159.484 | 376.533 | -274.153 | 0 | 0 |
| 51 | 162.307 | 380 | 0 | 0 | 0 |

## Cross Section DD-DD' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 1.09495

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 0.0937105 | 302.037 | 0 | 0 | 0 |
| 2 | 3.41158 | 302.381 | 415.578 | 0 | 0 |
| 3 | 6.72945 | 302.766 | 933.147 | 0 | 0 |
| 4 | 10.0473 | 303.191 | 1536.98 | 0 | 0 |
| 5 | 13.3652 | 303.657 | 2212.24 | 0 | 0 |
| 6 | 16.6831 | 304.164 | 2944.95 | 0 | 0 |
| 7 | 20.0009 | 304.713 | 3721.98 | 0 | 0 |
| 8 | 23.3188 | 305.303 | 4545.92 | 0 | 0 |
| 9 | 26.6367 | 305.936 | 5417 | 0 | 0 |
| 10 | 29.9545 | 306.61 | 6320.3 | 0 | 0 |
| 11 | 33.2724 | 307.327 | 7241.71 | 0 | 0 |
| 12 | 36.5903 | 308.087 | 8167.92 | 0 | 0 |
| 13 | 39.9081 | 308.89 | 9086.41 | 0 | 0 |
| 14 | 43.226 | 309.737 | 9985.43 | 0 | 0 |
| 15 | 46.5439 | 310.628 | 10854 | 0 | 0 |
| 16 | 49.8617 | 311.564 | 11681.8 | 0 | 0 |
| 17 | 53.1796 | 312.544 | 12459.4 | 0 | 0 |
| 18 | 56.4975 | 313.57 | 13178 | 0 | 0 |
| 19 | 59.8153 | 314.642 | 13829.6 | 0 | 0 |
| 20 | 63.1332 | 315.76 | 14406.8 | 0 | 0 |
| 21 | 66.4511 | 316.926 | 14903.1 | 0 | 0 |
| 22 | 69.7689 | 318.14 | 15312.7 | 0 | 0 |
| 23 | 73.0868 | 319.402 | 15630.4 | 0 | 0 |
| 24 | 76.4047 | 320.713 | 15851.9 | 0 | 0 |
| 25 | 79.7225 | 322.074 | 15973.6 | 0 | 0 |
| 26 | 83.0404 | 323.486 | 15992.6 | 0 | 0 |
| 27 | 86.3583 | 324.95 | 15907 | 0 | 0 |
| 28 | 89.6761 | 326.466 | 15715.4 | 0 | 0 |
| 29 | 92.994 | 328.035 | 15417.4 | 0 | 0 |
| 30 | 96.3119 | 329.659 | 15013.3 | 0 | 0 |
| 31 | 99.6298 | 331.339 | 14504.5 | 0 | 0 |
| 32 | 102.948 | 333.076 | 13893.1 | 0 | 0 |
| 33 | 106.265 | 334.87 | 13182.2 | 0 | 0 |
| 34 | 109.583 | 336.724 | 12375.7 | 0 | 0 |
| 35 | 112.901 | 338.639 | 11478.8 | 0 | 0 |
| 36 | 116.219 | 340.615 | 10497.5 | 0 | 0 |
| 37 | 119.537 | 342.655 | 9439.05 | 0 | 0 |
| 38 | 122.855 | 344.761 | 8311.76 | 0 | 0 |
| 39 | 126.173 | 346.934 | 7125.24 | 0 | 0 |
| 40 | 129.491 | 349.176 | 5890.39 | 0 | 0 |
| 41 | 132.808 | 351.489 | 4618.59 | 0 | 0 |
| 42 | 136.126 | 353.876 | 3312.51 | 0 | 0 |
| 43 | 139.444 | 356.338 | 1982.89 | 0 | 0 |
| 44 | 142.762 | 358.879 | 645.093 | 0 | 0 |
| 45 | 146.08 | 361.501 | -683.725 | 0 | 0 |
| 46 | 149.398 | 364.207 | -1984.44 | 0 | 0 |
| 47 | 152.716 | 367 | -3235.82 | 0 | 0 |
| 48 | 156.257 | 370.082 | -4234.9 | 0 | 0 |
| 49 | 159.799 | 373.273 | -5011.14 | 0 | 0 |
| 50 | 163.341 | 376.577 | -5312.09 | 0 | 0 |
| 51 | 166.882 | 380 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.04817

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 0.374842 | 302.15 | 0 | 0 | 0 |
| 2 | 3.62064 | 302.151 | 504.918 | 0 | 0 |
| 3 | 6.86643 | 302.202 | 1218.57 | 0 | 0 |
| 4 | 10.1122 | 302.304 | 2110.91 | 0 | 0 |
| 5 | 13.358 | 302.457 | 3153.78 | 0 | 0 |
| 6 | 16.6038 | 302.661 | 4320.88 | 0 | 0 |
| 7 | 19.8496 | 302.916 | 5587.61 | 0 | 0 |
| 8 | 23.0954 | 303.222 | 6952.19 | 0 | 0 |
| 9 | 26.3412 | 303.579 | 8414.42 | 0 | 0 |
| 10 | 29.587 | 303.988 | 9948.8 | 0 | 0 |
| 11 | 32.8328 | 304.449 | 11531.4 | 0 | 0 |
| 12 | 36.0786 | 304.962 | 13139.5 | 0 | 0 |
| 13 | 39.3244 | 305.528 | 14752.3 | 0 | 0 |
| 14 | 42.5702 | 306.147 | 16349.8 | 0 | 0 |
| 15 | 45.816 | 306.82 | 17913.6 | 0 | 0 |
| 16 | 49.0618 | 307.547 | 19426.7 | 0 | 0 |
| 17 | 52.3075 | 308.329 | 20873.1 | 0 | 0 |
| 18 | 55.5533 | 309.166 | 22238.1 | 0 | 0 |
| 19 | 58.7991 | 310.059 | 23508.2 | 0 | 0 |
| 20 | 62.0449 | 311.009 | 24671.1 | 0 | 0 |
| 21 | 65.2907 | 312.017 | 25715.5 | 0 | 0 |
| 22 | 68.5365 | 313.083 | 26631.3 | 0 | 0 |
| 23 | 71.7823 | 314.209 | 27409.7 | 0 | 0 |
| 24 | 75.0281 | 315.395 | 28042.9 | 0 | 0 |
| 25 | 78.2739 | 316.643 | 28524.2 | 0 | 0 |
| 26 | 81.5197 | 317.954 | 28848.1 | 0 | 0 |
| 27 | 84.7655 | 319.329 | 29010.3 | 0 | 0 |
| 28 | 88.0113 | 320.77 | 29007.6 | 0 | 0 |
| 29 | 91.2571 | 322.277 | 28838.2 | 0 | 0 |
| 30 | 94.5029 | 323.854 | 28501.4 | 0 | 0 |
| 31 | 97.7487 | 325.5 | 27997.8 | 0 | 0 |
| 32 | 100.994 | 327.22 | 27329.5 | 0 | 0 |
| 33 | 104.24 | 329.013 | 26499.9 | 0 | 0 |
| 34 | 107.486 | 330.883 | 25513.9 | 0 | 0 |
| 35 | 110.732 | 332.832 | 24378.1 | 0 | 0 |
| 36 | 113.978 | 334.863 | 23100.7 | 0 | 0 |
| 37 | 117.223 | 336.978 | 21691.7 | 0 | 0 |
| 38 | 120.469 | 339.181 | 20163.2 | 0 | 0 |
| 39 | 123.715 | 341.475 | 18529.1 | 0 | 0 |
| 40 | 126.961 | 343.864 | 16806 | 0 | 0 |
| 41 | 130.207 | 346.352 | 15012.6 | 0 | 0 |
| 42 | 133.452 | 348.944 | 13168.1 | 0 | 0 |
| 43 | 136.698 | 351.644 | 11284.1 | 0 | 0 |
| 44 | 139.944 | 354.459 | 9385.2 | 0 | 0 |
| 45 | 143.19 | 357.394 | 7500.91 | 0 | 0 |
| 46 | 146.436 | 360.458 | 5665.23 | 0 | 0 |
| 47 | 149.681 | 363.656 | 3916.95 | 0 | 0 |
| 48 | 152.927 | 367 | 2300.38 | 0 | 0 |
| 49 | 156.712 | 371.095 | 949.103 | 0 | 0 |
| 50 | 160.496 | 375.421 | 154.173 | 0 | 0 |
| 51 | 164.281 | 380 | 0 | 0 | 0 |

## Cross Section EE-EE' - Master Scenario

### Global Minimum Query (bishop simplified) - Safety Factor: 1.82285

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 18.747 | 317.999 | 0 | 0 | 0 |
| 2 | 22.4693 | 318.313 | 307.536 | 0 | 0 |
| 3 | 26.1916 | 318.675 | 725.858 | 0 | 0 |
| 4 | 29.914 | 319.084 | 1289.84 | 0 | 0 |
| 5 | 33.6363 | 319.541 | 1994.57 | 0 | 0 |
| 6 | 37.3586 | 320.046 | 2818.75 | 0 | 0 |
| 7 | 41.081 | 320.599 | 3742 | 0 | 0 |
| 8 | 44.8033 | 321.201 | 4744.87 | 0 | 0 |
| 9 | 48.5257 | 321.852 | 5808.81 | 0 | 0 |
| 10 | 52.248 | 322.551 | 6916.16 | 0 | 0 |
| 11 | 55.9703 | 323.3 | 8050.12 | 0 | 0 |
| 12 | 59.6927 | 324.099 | 9194.77 | 0 | 0 |
| 13 | 63.415 | 324.949 | 10335 | 0 | 0 |
| 14 | 67.1373 | 325.848 | 11456.7 | 0 | 0 |
| 15 | 70.8597 | 326.8 | 12548.4 | 0 | 0 |
| 16 | 74.582 | 327.802 | 13599.1 | 0 | 0 |
| 17 | 78.3044 | 328.858 | 14596 | 0 | 0 |
| 18 | 82.0267 | 329.966 | 15527.5 | 0 | 0 |
| 19 | 85.749 | 331.127 | 16382.7 | 0 | 0 |
| 20 | 89.4714 | 332.343 | 17151.6 | 0 | 0 |
| 21 | 93.1937 | 333.613 | 17825.1 | 0 | 0 |
| 22 | 96.916 | 334.939 | 18394.8 | 0 | 0 |
| 23 | 100.638 | 336.321 | 18853.4 | 0 | 0 |
| 24 | 104.361 | 337.761 | 19194.3 | 0 | 0 |
| 25 | 108.083 | 339.259 | 19411.9 | 0 | 0 |
| 26 | 111.805 | 340.816 | 19501.5 | 0 | 0 |
| 27 | 115.528 | 342.433 | 19459.6 | 0 | 0 |
| 28 | 119.25 | 344.111 | 19283.3 | 0 | 0 |
| 29 | 122.972 | 345.851 | 18970.8 | 0 | 0 |
| 30 | 126.695 | 347.655 | 18517.7 | 0 | 0 |
| 31 | 130.417 | 349.524 | 17921.7 | 0 | 0 |
| 32 | 134.139 | 351.46 | 17182.7 | 0 | 0 |
| 33 | 137.862 | 353.463 | 16301.6 | 0 | 0 |
| 34 | 141.584 | 355.535 | 15280.6 | 0 | 0 |
| 35 | 145.306 | 357.678 | 14123.3 | 0 | 0 |
| 36 | 149.029 | 359.894 | 12834.7 | 0 | 0 |
| 37 | 152.751 | 362.185 | 11421.2 | 0 | 0 |
| 38 | 156.473 | 364.553 | 9890.85 | 0 | 0 |
| 39 | 160.196 | 367 | 8253.41 | 0 | 0 |
| 40 | 163.746 | 369.409 | 6894.5 | 0 | 0 |
| 41 | 167.296 | 371.895 | 5475.09 | 0 | 0 |
| 42 | 170.846 | 374.459 | 4041.95 | 0 | 0 |
| 43 | 174.396 | 377.105 | 2684.93 | 0 | 0 |
| 44 | 177.946 | 379.835 | 1439.85 | 0 | 0 |
| 45 | 181.497 | 382.651 | 343.442 | 0 | 0 |
| 46 | 185.047 | 385.558 | -723.573 | 0 | 0 |
| 47 | 188.597 | 388.558 | -1948.05 | 0 | 0 |
| 48 | 192.147 | 391.656 | -2886.59 | 0 | 0 |
| 49 | 195.697 | 394.856 | -3484.59 | 0 | 0 |
| 50 | 198.435 | 397.395 | -3828 | 0 | 0 |
| 51 | 201.172 | 400 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.75082

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 21.4454 | 318.863 | 0 | 0 | 0 |
| 2 | 24.5658 | 318.852 | 301.746 | 0 | 0 |
| 3 | 27.6863 | 318.89 | 773.003 | 0 | 0 |
| 4 | 30.8068 | 318.978 | 1434.01 | 0 | 0 |
| 5 | 33.9273 | 319.116 | 2259.69 | 0 | 0 |
| 6 | 37.0477 | 319.304 | 3225.54 | 0 | 0 |
| 7 | 40.1682 | 319.541 | 4308.28 | 0 | 0 |
| 8 | 43.2887 | 319.829 | 5485.82 | 0 | 0 |
| 9 | 46.4091 | 320.167 | 6737.2 | 0 | 0 |
| 10 | 49.5296 | 320.556 | 8042.56 | 0 | 0 |
| 11 | 52.6501 | 320.996 | 9383.08 | 0 | 0 |
| 12 | 55.7705 | 321.486 | 10741 | 0 | 0 |
| 13 | 58.891 | 322.029 | 12099.4 | 0 | 0 |
| 14 | 62.0115 | 322.624 | 13442.6 | 0 | 0 |
| 15 | 65.1319 | 323.271 | 14755.7 | 0 | 0 |
| 16 | 68.2524 | 323.971 | 16025.1 | 0 | 0 |
| 17 | 71.3729 | 324.725 | 17240.1 | 0 | 0 |
| 18 | 74.4934 | 325.533 | 18388.7 | 0 | 0 |
| 19 | 77.6138 | 326.396 | 19458.9 | 0 | 0 |
| 20 | 80.7343 | 327.315 | 20439.7 | 0 | 0 |
| 21 | 83.8548 | 328.291 | 21320.9 | 0 | 0 |
| 22 | 86.9752 | 329.324 | 22093.4 | 0 | 0 |
| 23 | 90.0957 | 330.416 | 22748.9 | 0 | 0 |
| 24 | 93.2162 | 331.567 | 23279.9 | 0 | 0 |
| 25 | 96.3366 | 332.779 | 23680.2 | 0 | 0 |
| 26 | 99.4571 | 334.052 | 23944.2 | 0 | 0 |
| 27 | 102.578 | 335.389 | 24067.6 | 0 | 0 |
| 28 | 105.698 | 336.791 | 24047.1 | 0 | 0 |
| 29 | 108.819 | 338.258 | 23880.3 | 0 | 0 |
| 30 | 111.939 | 339.793 | 23566.2 | 0 | 0 |
| 31 | 115.059 | 341.398 | 23105 | 0 | 0 |
| 32 | 118.18 | 343.074 | 22497.8 | 0 | 0 |
| 33 | 121.3 | 344.824 | 21747.6 | 0 | 0 |
| 34 | 124.421 | 346.65 | 20855.6 | 0 | 0 |
| 35 | 127.541 | 348.554 | 19822.6 | 0 | 0 |
| 36 | 130.662 | 350.54 | 18654.2 | 0 | 0 |
| 37 | 133.782 | 352.609 | 17357.7 | 0 | 0 |
| 38 | 136.903 | 354.766 | 15942.4 | 0 | 0 |
| 39 | 140.023 | 357.014 | 14420 | 0 | 0 |
| 40 | 143.144 | 359.357 | 12804.3 | 0 | 0 |
| 41 | 146.264 | 361.799 | 11111.8 | 0 | 0 |
| 42 | 149.385 | 364.345 | 9361.98 | 0 | 0 |
| 43 | 152.505 | 367 | 7577.75 | 0 | 0 |
| 44 | 155.519 | 369.674 | 6079.01 | 0 | 0 |
| 45 | 158.532 | 372.461 | 4621.2 | 0 | 0 |
| 46 | 161.546 | 375.369 | 3240.34 | 0 | 0 |
| 47 | 164.56 | 378.406 | 1977.81 | 0 | 0 |
| 48 | 167.573 | 381.579 | 881.207 | 0 | 0 |
| 49 | 170.587 | 384.898 | 55.1645 | 0 | 0 |
| 50 | 173.6 | 388.377 | -341.295 | 0 | 0 |
| 51 | 176.614 | 392.027 | 0 | 0 | 0 |

## Cross Section EE-EE' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 1.12169

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 15.871 | 317.079 | 0 | 0 | 0 |
| 2 | 19.5569 | 317.388 | 450.755 | 0 | 0 |
| 3 | 23.2429 | 317.743 | 1004.61 | 0 | 0 |
| 4 | 26.9288 | 318.144 | 1654.01 | 0 | 0 |
| 5 | 30.6148 | 318.591 | 2431.12 | 0 | 0 |
| 6 | 34.3007 | 319.084 | 3321.17 | 0 | 0 |
| 7 | 37.9866 | 319.625 | 4302.68 | 0 | 0 |
| 8 | 41.6726 | 320.212 | 5355.29 | 0 | 0 |
| 9 | 45.3585 | 320.847 | 6459.75 | 0 | 0 |
| 10 | 49.0445 | 321.529 | 7597.86 | 0 | 0 |
| 11 | 52.7304 | 322.259 | 8752.48 | 0 | 0 |
| 12 | 56.4163 | 323.037 | 9907.49 | 0 | 0 |
| 13 | 60.1023 | 323.864 | 11047.8 | 0 | 0 |
| 14 | 63.7882 | 324.739 | 12159.2 | 0 | 0 |
| 15 | 67.4742 | 325.665 | 13228.6 | 0 | 0 |
| 16 | 71.1601 | 326.64 | 14245.5 | 0 | 0 |
| 17 | 74.846 | 327.666 | 15199.2 | 0 | 0 |
| 18 | 78.532 | 328.742 | 16078.4 | 0 | 0 |
| 19 | 82.2179 | 329.871 | 16872.9 | 0 | 0 |
| 20 | 85.9039 | 331.051 | 17573.3 | 0 | 0 |
| 21 | 89.5898 | 332.285 | 18171.3 | 0 | 0 |
| 22 | 93.2757 | 333.571 | 18659.3 | 0 | 0 |
| 23 | 96.9617 | 334.912 | 19030.9 | 0 | 0 |
| 24 | 100.648 | 336.309 | 19280.4 | 0 | 0 |
| 25 | 104.334 | 337.761 | 19403.2 | 0 | 0 |
| 26 | 108.02 | 339.269 | 19395.7 | 0 | 0 |
| 27 | 111.705 | 340.836 | 19255.1 | 0 | 0 |
| 28 | 115.391 | 342.461 | 18979.8 | 0 | 0 |
| 29 | 119.077 | 344.146 | 18569.2 | 0 | 0 |
| 30 | 122.763 | 345.892 | 18023.2 | 0 | 0 |
| 31 | 126.449 | 347.699 | 17337.8 | 0 | 0 |
| 32 | 130.135 | 349.571 | 16512.4 | 0 | 0 |
| 33 | 133.821 | 351.506 | 15548.7 | 0 | 0 |
| 34 | 137.507 | 353.508 | 14449.9 | 0 | 0 |
| 35 | 141.193 | 355.578 | 13220.3 | 0 | 0 |
| 36 | 144.879 | 357.716 | 11865.3 | 0 | 0 |
| 37 | 148.565 | 359.926 | 10392.2 | 0 | 0 |
| 38 | 152.251 | 362.208 | 8809.05 | 0 | 0 |
| 39 | 155.937 | 364.566 | 7125.94 | 0 | 0 |
| 40 | 159.623 | 367 | 5354.3 | 0 | 0 |
| 41 | 163.159 | 369.41 | 3949.76 | 0 | 0 |
| 42 | 166.696 | 371.895 | 2502.72 | 0 | 0 |
| 43 | 170.232 | 374.458 | 1051.22 | 0 | 0 |
| 44 | 173.769 | 377.1 | -301.691 | 0 | 0 |
| 45 | 177.305 | 379.825 | -1515.29 | 0 | 0 |
| 46 | 180.842 | 382.636 | -2553.56 | 0 | 0 |
| 47 | 184.378 | 385.535 | -3439.47 | 0 | 0 |
| 48 | 187.915 | 388.526 | -4593.01 | 0 | 0 |
| 49 | 191.451 | 391.613 | -5434.97 | 0 | 0 |
| 50 | 194.988 | 394.799 | -5913.92 | 0 | 0 |
| 51 | 200.526 | 400 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.07536

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 14.4863 | 316.636 | 0 | 0 | 0 |
| 2 | 18.1865 | 316.533 | 579.588 | 0 | 0 |
| 3 | 21.8867 | 316.49 | 1406.44 | 0 | 0 |
| 4 | 25.5869 | 316.506 | 2444.34 | 0 | 0 |
| 5 | 29.2872 | 316.583 | 3726.06 | 0 | 0 |
| 6 | 32.9874 | 316.719 | 5247.48 | 0 | 0 |
| 7 | 36.6876 | 316.916 | 6967.17 | 0 | 0 |
| 8 | 40.3878 | 317.172 | 8846.23 | 0 | 0 |
| 9 | 44.0881 | 317.489 | 10848.2 | 0 | 0 |
| 10 | 47.7883 | 317.866 | 12938.9 | 0 | 0 |
| 11 | 51.4885 | 318.304 | 15086.3 | 0 | 0 |
| 12 | 55.1887 | 318.804 | 17260.5 | 0 | 0 |
| 13 | 58.8889 | 319.365 | 19433.6 | 0 | 0 |
| 14 | 62.5892 | 319.988 | 21579.5 | 0 | 0 |
| 15 | 66.2894 | 320.673 | 23674 | 0 | 0 |
| 16 | 69.9896 | 321.422 | 25696.6 | 0 | 0 |
| 17 | 73.6898 | 322.235 | 27629.5 | 0 | 0 |
| 18 | 77.39 | 323.112 | 29452.7 | 0 | 0 |
| 19 | 81.0903 | 324.054 | 31147.5 | 0 | 0 |
| 20 | 84.7905 | 325.063 | 32696.9 | 0 | 0 |
| 21 | 88.4907 | 326.139 | 34085.6 | 0 | 0 |
| 22 | 92.1909 | 327.282 | 35299.7 | 0 | 0 |
| 23 | 95.8912 | 328.495 | 36326.9 | 0 | 0 |
| 24 | 99.5914 | 329.778 | 37156.5 | 0 | 0 |
| 25 | 103.292 | 331.132 | 37779.3 | 0 | 0 |
| 26 | 106.992 | 332.56 | 38187.7 | 0 | 0 |
| 27 | 110.692 | 334.061 | 38375.7 | 0 | 0 |
| 28 | 114.392 | 335.639 | 38338.8 | 0 | 0 |
| 29 | 118.092 | 337.294 | 38074.3 | 0 | 0 |
| 30 | 121.793 | 339.029 | 37581.2 | 0 | 0 |
| 31 | 125.493 | 340.846 | 36856.5 | 0 | 0 |
| 32 | 129.193 | 342.746 | 35898.4 | 0 | 0 |
| 33 | 132.893 | 344.732 | 34708.7 | 0 | 0 |
| 34 | 136.594 | 346.807 | 33291.3 | 0 | 0 |
| 35 | 140.294 | 348.974 | 31652.3 | 0 | 0 |
| 36 | 143.994 | 351.235 | 29800 | 0 | 0 |
| 37 | 147.694 | 353.594 | 27744.9 | 0 | 0 |
| 38 | 151.394 | 356.055 | 25500.4 | 0 | 0 |
| 39 | 155.095 | 358.621 | 23082.3 | 0 | 0 |
| 40 | 158.795 | 361.297 | 20509.9 | 0 | 0 |
| 41 | 162.495 | 364.089 | 17805.2 | 0 | 0 |
| 42 | 166.195 | 367 | 14994.5 | 0 | 0 |
| 43 | 169.819 | 369.973 | 12626.2 | 0 | 0 |
| 44 | 173.442 | 373.074 | 10359.3 | 0 | 0 |
| 45 | 177.066 | 376.309 | 8269.98 | 0 | 0 |
| 46 | 180.69 | 379.687 | 6425.05 | 0 | 0 |
| 47 | 184.313 | 383.215 | 4836.8 | 0 | 0 |
| 48 | 187.937 | 386.904 | 2978.32 | 0 | 0 |
| 49 | 191.56 | 390.767 | 1620.45 | 0 | 0 |
| 50 | 195.184 | 394.815 | 870.949 | 0 | 0 |
| 51 | 199.582 | 400 | 0 | 0 | 0 |

## Cross Section FF-FF' - Master Scenario

### Global Minimum Query (bishop simplified) - Safety Factor: 1.95254

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 39.2466 | 327.326 | 0 | 0 | 0 |
| 2 | 42.1681 | 327.522 | 225.155 | 0 | 0 |
| 3 | 45.0896 | 327.754 | 526.71 | 0 | 0 |
| 4 | 48.011 | 328.023 | 895.241 | 0 | 0 |
| 5 | 50.9325 | 328.33 | 1337.42 | 0 | 0 |
| 6 | 53.854 | 328.673 | 1846.33 | 0 | 0 |
| 7 | 56.7755 | 329.054 | 2410.28 | 0 | 0 |
| 8 | 59.697 | 329.472 | 3018.16 | 0 | 0 |
| 9 | 62.6185 | 329.927 | 3659.36 | 0 | 0 |
| 10 | 65.54 | 330.421 | 4323.85 | 0 | 0 |
| 11 | 68.4615 | 330.953 | 5002.09 | 0 | 0 |
| 12 | 71.3829 | 331.523 | 5685.75 | 0 | 0 |
| 13 | 74.3044 | 332.132 | 6370.36 | 0 | 0 |
| 14 | 77.2259 | 332.78 | 7047.82 | 0 | 0 |
| 15 | 80.1474 | 333.467 | 7709.7 | 0 | 0 |
| 16 | 83.0689 | 334.194 | 8348.04 | 0 | 0 |
| 17 | 85.9904 | 334.962 | 8955.43 | 0 | 0 |
| 18 | 88.9119 | 335.769 | 9524.92 | 0 | 0 |
| 19 | 91.8333 | 336.618 | 10050.1 | 0 | 0 |
| 20 | 94.7548 | 337.508 | 10525 | 0 | 0 |
| 21 | 97.6763 | 338.439 | 10944.3 | 0 | 0 |
| 22 | 100.598 | 339.414 | 11303.1 | 0 | 0 |
| 23 | 103.519 | 340.431 | 11596.9 | 0 | 0 |
| 24 | 106.441 | 341.492 | 11822 | 0 | 0 |
| 25 | 109.362 | 342.597 | 11975.1 | 0 | 0 |
| 26 | 112.284 | 343.747 | 12053.4 | 0 | 0 |
| 27 | 115.205 | 344.942 | 12054.9 | 0 | 0 |
| 28 | 118.127 | 346.184 | 11977.8 | 0 | 0 |
| 29 | 121.048 | 347.474 | 11821.3 | 0 | 0 |
| 30 | 123.97 | 348.811 | 11585.1 | 0 | 0 |
| 31 | 126.891 | 350.197 | 11269.4 | 0 | 0 |
| 32 | 129.813 | 351.633 | 10873.8 | 0 | 0 |
| 33 | 132.734 | 353.12 | 10396.8 | 0 | 0 |
| 34 | 135.656 | 354.659 | 9839.61 | 0 | 0 |
| 35 | 138.577 | 356.251 | 9204.29 | 0 | 0 |
| 36 | 141.499 | 357.898 | 8493.78 | 0 | 0 |
| 37 | 144.42 | 359.601 | 7711.86 | 0 | 0 |
| 38 | 147.342 | 361.361 | 6863.21 | 0 | 0 |
| 39 | 150.263 | 363.18 | 5953.49 | 0 | 0 |
| 40 | 153.185 | 365.059 | 4989.41 | 0 | 0 |
| 41 | 156.106 | 367 | 3979.45 | 0 | 0 |
| 42 | 159.092 | 369.05 | 3096.31 | 0 | 0 |
| 43 | 162.077 | 371.169 | 2207.47 | 0 | 0 |
| 44 | 165.063 | 373.36 | 1328.9 | 0 | 0 |
| 45 | 168.049 | 375.624 | 478.389 | 0 | 0 |
| 46 | 171.034 | 377.966 | -324.205 | 0 | 0 |
| 47 | 174.02 | 380.387 | -1056.82 | 0 | 0 |
| 48 | 177.005 | 382.89 | -1694.93 | 0 | 0 |
| 49 | 179.991 | 385.481 | -2182.87 | 0 | 0 |
| 50 | 182.977 | 388.161 | -2389.88 | 0 | 0 |
| 51 | 185.962 | 390.937 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.86934

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 39.6763 | 327.475 | 0 | 0 | 0 |
| 2 | 42.5181 | 327.364 | 273.975 | 0 | 0 |
| 3 | 45.3599 | 327.3 | 694.006 | 0 | 0 |
| 4 | 48.2017 | 327.282 | 1243.38 | 0 | 0 |
| 5 | 51.0435 | 327.31 | 1927.63 | 0 | 0 |
| 6 | 53.8853 | 327.384 | 2731.73 | 0 | 0 |
| 7 | 56.7271 | 327.504 | 3635.98 | 0 | 0 |
| 8 | 59.569 | 327.67 | 4621.75 | 0 | 0 |
| 9 | 62.4108 | 327.883 | 5671.37 | 0 | 0 |
| 10 | 65.2526 | 328.142 | 6768.18 | 0 | 0 |
| 11 | 68.0944 | 328.448 | 7896.4 | 0 | 0 |
| 12 | 70.9362 | 328.801 | 9041.65 | 0 | 0 |
| 13 | 73.778 | 329.202 | 10195.7 | 0 | 0 |
| 14 | 76.6198 | 329.649 | 11346.3 | 0 | 0 |
| 15 | 79.4616 | 330.145 | 12479.7 | 0 | 0 |
| 16 | 82.3034 | 330.69 | 13583.4 | 0 | 0 |
| 17 | 85.1452 | 331.283 | 14645.3 | 0 | 0 |
| 18 | 87.987 | 331.925 | 15654.4 | 0 | 0 |
| 19 | 90.8288 | 332.618 | 16600.3 | 0 | 0 |
| 20 | 93.6706 | 333.361 | 17473.4 | 0 | 0 |
| 21 | 96.5124 | 334.155 | 18264.8 | 0 | 0 |
| 22 | 99.3542 | 335.001 | 18966.6 | 0 | 0 |
| 23 | 102.196 | 335.9 | 19571.3 | 0 | 0 |
| 24 | 105.038 | 336.853 | 20072.6 | 0 | 0 |
| 25 | 107.88 | 337.859 | 20464.8 | 0 | 0 |
| 26 | 110.721 | 338.922 | 20742.8 | 0 | 0 |
| 27 | 113.563 | 340.041 | 20902.7 | 0 | 0 |
| 28 | 116.405 | 341.218 | 20941.2 | 0 | 0 |
| 29 | 119.247 | 342.454 | 20856 | 0 | 0 |
| 30 | 122.089 | 343.75 | 20645.7 | 0 | 0 |
| 31 | 124.93 | 345.109 | 20310 | 0 | 0 |
| 32 | 127.772 | 346.531 | 19849.4 | 0 | 0 |
| 33 | 130.614 | 348.018 | 19262.8 | 0 | 0 |
| 34 | 133.456 | 349.572 | 18550.6 | 0 | 0 |
| 35 | 136.298 | 351.196 | 17715.3 | 0 | 0 |
| 36 | 139.139 | 352.891 | 16760.8 | 0 | 0 |
| 37 | 141.981 | 354.66 | 15692.5 | 0 | 0 |
| 38 | 144.823 | 356.506 | 14517.4 | 0 | 0 |
| 39 | 147.665 | 358.432 | 13243.9 | 0 | 0 |
| 40 | 150.507 | 360.44 | 11882.4 | 0 | 0 |
| 41 | 153.348 | 362.535 | 10445.4 | 0 | 0 |
| 42 | 156.19 | 364.72 | 8948.55 | 0 | 0 |
| 43 | 159.032 | 367 | 7418.01 | 0 | 0 |
| 44 | 161.997 | 369.485 | 6020.7 | 0 | 0 |
| 45 | 164.962 | 372.085 | 4659.27 | 0 | 0 |
| 46 | 167.927 | 374.806 | 3370.85 | 0 | 0 |
| 47 | 170.892 | 377.656 | 2198.28 | 0 | 0 |
| 48 | 173.857 | 380.646 | 1191.05 | 0 | 0 |
| 49 | 176.822 | 383.784 | 406.466 | 0 | 0 |
| 50 | 179.787 | 387.084 | -57.5961 | 0 | 0 |
| 51 | 182.752 | 390.559 | 0 | 0 | 0 |

## Cross Section FF-FF' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 1.19269

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 28.9323 | 323.77 | 0 | 0 | 0 |
| 2 | 32.1761 | 323.944 | 386.119 | 0 | 0 |
| 3 | 35.4198 | 324.161 | 871.597 | 0 | 0 |
| 4 | 38.6636 | 324.42 | 1440.44 | 0 | 0 |
| 5 | 41.9073 | 324.72 | 2077.63 | 0 | 0 |
| 6 | 45.1511 | 325.063 | 2769.11 | 0 | 0 |
| 7 | 48.3948 | 325.449 | 3504.09 | 0 | 0 |
| 8 | 51.6385 | 325.877 | 4287.86 | 0 | 0 |
| 9 | 54.8823 | 326.348 | 5109.68 | 0 | 0 |
| 10 | 58.126 | 326.862 | 5955.55 | 0 | 0 |
| 11 | 61.3698 | 327.419 | 6812.33 | 0 | 0 |
| 12 | 64.6135 | 328.021 | 7667.74 | 0 | 0 |
| 13 | 67.8573 | 328.666 | 8510.3 | 0 | 0 |
| 14 | 71.101 | 329.355 | 9329.68 | 0 | 0 |
| 15 | 74.3448 | 330.09 | 10119.4 | 0 | 0 |
| 16 | 77.5885 | 330.869 | 10870.3 | 0 | 0 |
| 17 | 80.8322 | 331.694 | 11572.8 | 0 | 0 |
| 18 | 84.076 | 332.565 | 12218 | 0 | 0 |
| 19 | 87.3197 | 333.483 | 12797.9 | 0 | 0 |
| 20 | 90.5635 | 334.447 | 13305.2 | 0 | 0 |
| 21 | 93.8072 | 335.459 | 13733.5 | 0 | 0 |
| 22 | 97.051 | 336.52 | 14076.9 | 0 | 0 |
| 23 | 100.295 | 337.629 | 14330.5 | 0 | 0 |
| 24 | 103.538 | 338.788 | 14490.2 | 0 | 0 |
| 25 | 106.782 | 339.997 | 14552.5 | 0 | 0 |
| 26 | 110.026 | 341.257 | 14514.8 | 0 | 0 |
| 27 | 113.27 | 342.569 | 14375.2 | 0 | 0 |
| 28 | 116.513 | 343.933 | 14132.9 | 0 | 0 |
| 29 | 119.757 | 345.352 | 13787.6 | 0 | 0 |
| 30 | 123.001 | 346.825 | 13340.1 | 0 | 0 |
| 31 | 126.245 | 348.354 | 12792 | 0 | 0 |
| 32 | 129.488 | 349.94 | 12144.4 | 0 | 0 |
| 33 | 132.732 | 351.583 | 11394.9 | 0 | 0 |
| 34 | 135.976 | 353.287 | 10546.2 | 0 | 0 |
| 35 | 139.22 | 355.051 | 9602.44 | 0 | 0 |
| 36 | 142.463 | 356.877 | 8568.61 | 0 | 0 |
| 37 | 145.707 | 358.767 | 7451.04 | 0 | 0 |
| 38 | 148.951 | 360.722 | 6257.15 | 0 | 0 |
| 39 | 152.195 | 362.745 | 4995.64 | 0 | 0 |
| 40 | 155.438 | 364.837 | 3676.65 | 0 | 0 |
| 41 | 158.682 | 367 | 2319.84 | 0 | 0 |
| 42 | 161.731 | 369.1 | 1278.97 | 0 | 0 |
| 43 | 164.78 | 371.268 | 245.233 | 0 | 0 |
| 44 | 167.829 | 373.504 | -764.833 | 0 | 0 |
| 45 | 170.878 | 375.812 | -1733.08 | 0 | 0 |
| 46 | 173.927 | 378.194 | -2639.63 | 0 | 0 |
| 47 | 176.977 | 380.652 | -3462.73 | 0 | 0 |
| 48 | 180.026 | 383.19 | -4149.39 | 0 | 0 |
| 49 | 183.075 | 385.811 | -4570.75 | 0 | 0 |
| 50 | 186.124 | 388.518 | -4678.35 | 0 | 0 |
| 51 | 189.173 | 391.314 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.13788

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 33.2299 | 325.252 | 0 | 0 | 0 |
| 2 | 36.2902 | 325.094 | 458.087 | 0 | 0 |
| 3 | 39.3505 | 324.987 | 1107.48 | 0 | 0 |
| 4 | 42.4108 | 324.931 | 1919.39 | 0 | 0 |
| 5 | 45.4711 | 324.926 | 2867 | 0 | 0 |
| 6 | 48.5313 | 324.971 | 3930.34 | 0 | 0 |
| 7 | 51.5916 | 325.067 | 5113.57 | 0 | 0 |
| 8 | 54.6519 | 325.213 | 6395.65 | 0 | 0 |
| 9 | 57.7122 | 325.411 | 7752.3 | 0 | 0 |
| 10 | 60.7725 | 325.659 | 9160.87 | 0 | 0 |
| 11 | 63.8327 | 325.959 | 10600.2 | 0 | 0 |
| 12 | 66.893 | 326.31 | 12050.7 | 0 | 0 |
| 13 | 69.9533 | 326.712 | 13494 | 0 | 0 |
| 14 | 73.0136 | 327.167 | 14917.4 | 0 | 0 |
| 15 | 76.0738 | 327.675 | 16308.7 | 0 | 0 |
| 16 | 79.1341 | 328.235 | 17651.8 | 0 | 0 |
| 17 | 82.1944 | 328.849 | 18932 | 0 | 0 |
| 18 | 85.2547 | 329.517 | 20135.5 | 0 | 0 |
| 19 | 88.315 | 330.239 | 21250 | 0 | 0 |
| 20 | 91.3752 | 331.017 | 22264.1 | 0 | 0 |
| 21 | 94.4355 | 331.85 | 23167.6 | 0 | 0 |
| 22 | 97.4958 | 332.741 | 23951.5 | 0 | 0 |
| 23 | 100.556 | 333.688 | 24607.6 | 0 | 0 |
| 24 | 103.616 | 334.695 | 25129.1 | 0 | 0 |
| 25 | 106.677 | 335.761 | 25510.1 | 0 | 0 |
| 26 | 109.737 | 336.888 | 25745.9 | 0 | 0 |
| 27 | 112.797 | 338.076 | 25832.8 | 0 | 0 |
| 28 | 115.857 | 339.328 | 25768.4 | 0 | 0 |
| 29 | 118.918 | 340.644 | 25551.2 | 0 | 0 |
| 30 | 121.978 | 342.026 | 25181.2 | 0 | 0 |
| 31 | 125.038 | 343.476 | 24659.4 | 0 | 0 |
| 32 | 128.099 | 344.995 | 23988 | 0 | 0 |
| 33 | 131.159 | 346.586 | 23166.5 | 0 | 0 |
| 34 | 134.219 | 348.251 | 22196.8 | 0 | 0 |
| 35 | 137.279 | 349.991 | 21083.9 | 0 | 0 |
| 36 | 140.34 | 351.81 | 19834.3 | 0 | 0 |
| 37 | 143.4 | 353.709 | 18456.3 | 0 | 0 |
| 38 | 146.46 | 355.693 | 16959.7 | 0 | 0 |
| 39 | 149.521 | 357.764 | 15356.6 | 0 | 0 |
| 40 | 152.581 | 359.926 | 13661.2 | 0 | 0 |
| 41 | 155.641 | 362.183 | 11890.2 | 0 | 0 |
| 42 | 158.701 | 364.539 | 10071.7 | 0 | 0 |
| 43 | 161.762 | 367 | 8233.78 | 0 | 0 |
| 44 | 164.787 | 369.54 | 6704.95 | 0 | 0 |
| 45 | 167.812 | 372.194 | 5228.81 | 0 | 0 |
| 46 | 170.837 | 374.967 | 3842.57 | 0 | 0 |
| 47 | 173.862 | 377.868 | 2588.28 | 0 | 0 |
| 48 | 176.887 | 380.904 | 1513.63 | 0 | 0 |
| 49 | 179.912 | 384.087 | 705.984 | 0 | 0 |
| 50 | 182.937 | 387.427 | 359.636 | 0 | 0 |
| 51 | 185.962 | 390.937 | 0 | 0 | 0 |

# Cross Section GG-GG' - Master Scenario

## Global Minimum Query (bishop simplified) - Safety Factor: 1.33022

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 49.5765 | 301.051 | 0 | 0 | 0 |
| 2 | 50.9258 | 301.426 | 57.6616 | 0 | 0 |
| 3 | 52.275 | 301.816 | 134.185 | 0 | 0 |
| 4 | 53.6243 | 302.221 | 227.137 | 0 | 0 |
| 5 | 54.9735 | 302.642 | 334.166 | 0 | 0 |
| 6 | 56.3228 | 303.078 | 453.002 | 0 | 0 |
| 7 | 57.672 | 303.53 | 581.458 | 0 | 0 |
| 8 | 59.0213 | 303.998 | 717.428 | 0 | 0 |
| 9 | 60.3705 | 304.482 | 858.888 | 0 | 0 |
| 10 | 61.7198 | 304.983 | 1003.89 | 0 | 0 |
| 11 | 63.0691 | 305.5 | 1150.58 | 0 | 0 |
| 12 | 64.4183 | 306.033 | 1297.17 | 0 | 0 |
| 13 | 65.7676 | 306.584 | 1441.97 | 0 | 0 |
| 14 | 67.1168 | 307.151 | 1583.35 | 0 | 0 |
| 15 | 68.4661 | 307.736 | 1719.79 | 0 | 0 |
| 16 | 69.8153 | 308.339 | 1849.83 | 0 | 0 |
| 17 | 71.1646 | 308.959 | 1972.11 | 0 | 0 |
| 18 | 72.5138 | 309.598 | 2085.36 | 0 | 0 |
| 19 | 73.8631 | 310.255 | 2188.38 | 0 | 0 |
| 20 | 75.2123 | 310.93 | 2280.08 | 0 | 0 |
| 21 | 76.5616 | 311.625 | 2359.46 | 0 | 0 |
| 22 | 77.9109 | 312.34 | 2425.61 | 0 | 0 |
| 23 | 79.2601 | 313.073 | 2477.7 | 0 | 0 |
| 24 | 80.6094 | 313.828 | 2515.03 | 0 | 0 |
| 25 | 81.9586 | 314.602 | 2537 | 0 | 0 |
| 26 | 83.3079 | 315.398 | 2543.1 | 0 | 0 |
| 27 | 84.6571 | 316.214 | 2532.94 | 0 | 0 |
| 28 | 86.0064 | 317.053 | 2506.25 | 0 | 0 |
| 29 | 87.3556 | 317.914 | 2462.89 | 0 | 0 |
| 30 | 88.7049 | 318.798 | 2402.82 | 0 | 0 |
| 31 | 90.0541 | 319.705 | 2326.17 | 0 | 0 |
| 32 | 91.4034 | 320.636 | 2233.19 | 0 | 0 |
| 33 | 92.7527 | 321.591 | 2124.27 | 0 | 0 |
| 34 | 94.1019 | 322.572 | 1999.97 | 0 | 0 |
| 35 | 95.4512 | 323.578 | 1861.02 | 0 | 0 |
| 36 | 96.8004 | 324.612 | 1708.33 | 0 | 0 |
| 37 | 98.1497 | 325.672 | 1542.99 | 0 | 0 |
| 38 | 99.4989 | 326.761 | 1366.28 | 0 | 0 |
| 39 | 100.848 | 327.879 | 1179.72 | 0 | 0 |
| 40 | 102.197 | 329.027 | 985.064 | 0 | 0 |
| 41 | 103.547 | 330.206 | 784.3 | 0 | 0 |
| 42 | 104.896 | 331.417 | 579.701 | 0 | 0 |
| 43 | 106.245 | 332.662 | 373.833 | 0 | 0 |
| 44 | 107.594 | 333.941 | 169.586 | 0 | 0 |
| 45 | 108.944 | 335.256 | -27.6101 | 0 | 0 |
| 46 | 110.293 | 336.609 | -207.184 | 0 | 0 |
| 47 | 111.642 | 338.001 | -363.68 | 0 | 0 |
| 48 | 112.991 | 339.434 | -491.544 | 0 | 0 |
| 49 | 114.341 | 340.91 | -584.658 | 0 | 0 |
| 50 | 115.69 | 342.431 | -636.186 | 0 | 0 |
| 51 | 117.039 | 344 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.28764

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 49.6235 | 301.082 | 0 | 0 | 0 |
| 2 | 50.9591 | 301.323 | 67.5216 | 0 | 0 |
| 3 | 52.2947 | 301.581 | 169.861 | 0 | 0 |
| 4 | 53.6304 | 301.859 | 302.893 | 0 | 0 |
| 5 | 54.966 | 302.155 | 462.648 | 0 | 0 |
| 6 | 56.3016 | 302.47 | 645.306 | 0 | 0 |
| 7 | 57.6372 | 302.804 | 847.196 | 0 | 0 |
| 8 | 58.9728 | 303.157 | 1064.79 | 0 | 0 |
| 9 | 60.3085 | 303.529 | 1294.7 | 0 | 0 |
| 10 | 61.6441 | 303.922 | 1533.68 | 0 | 0 |
| 11 | 62.9797 | 304.334 | 1778.61 | 0 | 0 |
| 12 | 64.3153 | 304.767 | 2026.53 | 0 | 0 |
| 13 | 65.6509 | 305.22 | 2274.57 | 0 | 0 |
| 14 | 66.9866 | 305.693 | 2520.03 | 0 | 0 |
| 15 | 68.3222 | 306.188 | 2760.34 | 0 | 0 |
| 16 | 69.6578 | 306.704 | 2993.02 | 0 | 0 |
| 17 | 70.9934 | 307.242 | 3215.78 | 0 | 0 |
| 18 | 72.329 | 307.802 | 3426.42 | 0 | 0 |
| 19 | 73.6646 | 308.385 | 3622.89 | 0 | 0 |
| 20 | 75.0003 | 308.99 | 3803.27 | 0 | 0 |
| 21 | 76.3359 | 309.619 | 3965.79 | 0 | 0 |
| 22 | 77.6715 | 310.272 | 4108.79 | 0 | 0 |
| 23 | 79.0071 | 310.949 | 4230.8 | 0 | 0 |
| 24 | 80.3427 | 311.651 | 4330.46 | 0 | 0 |
| 25 | 81.6784 | 312.378 | 4406.59 | 0 | 0 |
| 26 | 83.014 | 313.132 | 4458.14 | 0 | 0 |
| 27 | 84.3496 | 313.913 | 4484.25 | 0 | 0 |
| 28 | 85.6852 | 314.721 | 4484.23 | 0 | 0 |
| 29 | 87.0208 | 315.557 | 4457.57 | 0 | 0 |
| 30 | 88.3565 | 316.423 | 4403.96 | 0 | 0 |
| 31 | 89.6921 | 317.318 | 4323.29 | 0 | 0 |
| 32 | 91.0277 | 318.245 | 4215.66 | 0 | 0 |
| 33 | 92.3633 | 319.204 | 4081.42 | 0 | 0 |
| 34 | 93.6989 | 320.196 | 3921.17 | 0 | 0 |
| 35 | 95.0346 | 321.222 | 3735.78 | 0 | 0 |
| 36 | 96.3702 | 322.285 | 3526.43 | 0 | 0 |
| 37 | 97.7058 | 323.384 | 3294.6 | 0 | 0 |
| 38 | 99.0414 | 324.522 | 3042.14 | 0 | 0 |
| 39 | 100.377 | 325.701 | 2771.31 | 0 | 0 |
| 40 | 101.713 | 326.923 | 2484.78 | 0 | 0 |
| 41 | 103.048 | 328.189 | 2185.73 | 0 | 0 |
| 42 | 104.384 | 329.502 | 1877.85 | 0 | 0 |
| 43 | 105.72 | 330.865 | 1565.49 | 0 | 0 |
| 44 | 107.055 | 332.28 | 1253.66 | 0 | 0 |
| 45 | 108.391 | 333.751 | 948.628 | 0 | 0 |
| 46 | 109.726 | 335.281 | 665.019 | 0 | 0 |
| 47 | 111.062 | 336.876 | 414.654 | 0 | 0 |
| 48 | 112.398 | 338.539 | 208.089 | 0 | 0 |
| 49 | 113.733 | 340.276 | 57.4456 | 0 | 0 |
| 50 | 115.069 | 342.094 | -23.2891 | 0 | 0 |
| 51 | 116.404 | 344 | 0 | 0 | 0 |

## Cross Section GG-GG' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 0.865524

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 49.4959 | 300.997 | 0 | 0 | 0 |
| 2 | 50.8602 | 301.368 | 79.4784 | 0 | 0 |
| 3 | 52.2245 | 301.754 | 178.085 | 0 | 0 |
| 4 | 53.5888 | 302.155 | 293.023 | 0 | 0 |
| 5 | 54.9531 | 302.572 | 421.611 | 0 | 0 |
| 6 | 56.3173 | 303.005 | 561.28 | 0 | 0 |
| 7 | 57.6816 | 303.454 | 709.569 | 0 | 0 |
| 8 | 59.0459 | 303.919 | 864.131 | 0 | 0 |
| 9 | 60.4102 | 304.4 | 1022.72 | 0 | 0 |
| 10 | 61.7745 | 304.898 | 1183.21 | 0 | 0 |
| 11 | 63.1387 | 305.412 | 1343.56 | 0 | 0 |
| 12 | 64.503 | 305.944 | 1501.85 | 0 | 0 |
| 13 | 65.8673 | 306.492 | 1656.26 | 0 | 0 |
| 14 | 67.2316 | 307.058 | 1805.07 | 0 | 0 |
| 15 | 68.5958 | 307.641 | 1946.68 | 0 | 0 |
| 16 | 69.9601 | 308.242 | 2079.58 | 0 | 0 |
| 17 | 71.3244 | 308.862 | 2202.37 | 0 | 0 |
| 18 | 72.6887 | 309.499 | 2313.74 | 0 | 0 |
| 19 | 74.053 | 310.156 | 2412.52 | 0 | 0 |
| 20 | 75.4172 | 310.831 | 2497.61 | 0 | 0 |
| 21 | 76.7815 | 311.525 | 2568.06 | 0 | 0 |
| 22 | 78.1458 | 312.239 | 2622.99 | 0 | 0 |
| 23 | 79.5101 | 312.973 | 2661.65 | 0 | 0 |
| 24 | 80.8744 | 313.728 | 2683.42 | 0 | 0 |
| 25 | 82.2386 | 314.503 | 2687.77 | 0 | 0 |
| 26 | 83.6029 | 315.299 | 2674.31 | 0 | 0 |
| 27 | 84.9672 | 316.117 | 2642.78 | 0 | 0 |
| 28 | 86.3315 | 316.956 | 2593.02 | 0 | 0 |
| 29 | 87.6958 | 317.819 | 2525.03 | 0 | 0 |
| 30 | 89.06 | 318.704 | 2438.93 | 0 | 0 |
| 31 | 90.4243 | 319.613 | 2335.01 | 0 | 0 |
| 32 | 91.7886 | 320.546 | 2213.67 | 0 | 0 |
| 33 | 93.1529 | 321.504 | 2075.49 | 0 | 0 |
| 34 | 94.5171 | 322.487 | 1921.23 | 0 | 0 |
| 35 | 95.8814 | 323.496 | 1751.78 | 0 | 0 |
| 36 | 97.2457 | 324.533 | 1568.25 | 0 | 0 |
| 37 | 98.61 | 325.597 | 1371.91 | 0 | 0 |
| 38 | 99.9743 | 326.689 | 1164.27 | 0 | 0 |
| 39 | 101.339 | 327.811 | 947.018 | 0 | 0 |
| 40 | 102.703 | 328.963 | 722.105 | 0 | 0 |
| 41 | 104.067 | 330.146 | 491.715 | 0 | 0 |
| 42 | 105.431 | 331.362 | 258.297 | 0 | 0 |
| 43 | 106.796 | 332.611 | 24.5915 | 0 | 0 |
| 44 | 108.16 | 333.896 | -206.29 | 0 | 0 |
| 45 | 109.524 | 335.217 | -425.013 | 0 | 0 |
| 46 | 110.888 | 336.575 | -623.241 | 0 | 0 |
| 47 | 112.253 | 337.974 | -795.88 | 0 | 0 |
| 48 | 113.617 | 339.413 | -937.369 | 0 | 0 |
| 49 | 114.981 | 340.896 | -1041.64 | 0 | 0 |
| 50 | 116.346 | 342.424 | -1095.19 | 0 | 0 |
| 51 | 117.71 | 344 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.830664

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 49.5161 | 301.011 | 0 | 0 | 0 |
| 2 | 50.8607 | 301.248 | 93.0277 | 0 | 0 |
| 3 | 52.2054 | 301.504 | 223.577 | 0 | 0 |
| 4 | 53.55 | 301.779 | 386.728 | 0 | 0 |
| 5 | 54.8947 | 302.073 | 577.792 | 0 | 0 |
| 6 | 56.2393 | 302.385 | 792.299 | 0 | 0 |
| 7 | 57.584 | 302.717 | 1025.99 | 0 | 0 |
| 8 | 58.9287 | 303.069 | 1274.83 | 0 | 0 |
| 9 | 60.2733 | 303.44 | 1534.94 | 0 | 0 |
| 10 | 61.618 | 303.83 | 1802.69 | 0 | 0 |
| 11 | 62.9626 | 304.241 | 2074.59 | 0 | 0 |
| 12 | 64.3073 | 304.673 | 2347.37 | 0 | 0 |
| 13 | 65.6519 | 305.125 | 2617.91 | 0 | 0 |
| 14 | 66.9966 | 305.597 | 2883.28 | 0 | 0 |
| 15 | 68.3412 | 306.091 | 3140.74 | 0 | 0 |
| 16 | 69.6859 | 306.607 | 3387.69 | 0 | 0 |
| 17 | 71.0305 | 307.144 | 3621.71 | 0 | 0 |
| 18 | 72.3752 | 307.704 | 3840.56 | 0 | 0 |
| 19 | 73.7198 | 308.286 | 4042.17 | 0 | 0 |
| 20 | 75.0645 | 308.892 | 4224.6 | 0 | 0 |
| 21 | 76.4091 | 309.521 | 4386.13 | 0 | 0 |
| 22 | 77.7538 | 310.174 | 4525.19 | 0 | 0 |
| 23 | 79.0985 | 310.851 | 4640.36 | 0 | 0 |
| 24 | 80.4431 | 311.554 | 4730.42 | 0 | 0 |
| 25 | 81.7878 | 312.283 | 4794.33 | 0 | 0 |
| 26 | 83.1324 | 313.037 | 4831.23 | 0 | 0 |
| 27 | 84.4771 | 313.819 | 4840.43 | 0 | 0 |
| 28 | 85.8217 | 314.628 | 4821.46 | 0 | 0 |
| 29 | 87.1664 | 315.466 | 4774.05 | 0 | 0 |
| 30 | 88.511 | 316.334 | 4698.13 | 0 | 0 |
| 31 | 89.8557 | 317.231 | 4593.86 | 0 | 0 |
| 32 | 91.2003 | 318.16 | 4461.62 | 0 | 0 |
| 33 | 92.545 | 319.121 | 4302.07 | 0 | 0 |
| 34 | 93.8896 | 320.116 | 4116.11 | 0 | 0 |
| 35 | 95.2343 | 321.145 | 3904.93 | 0 | 0 |
| 36 | 96.5789 | 322.21 | 3670.01 | 0 | 0 |
| 37 | 97.9236 | 323.313 | 3413.19 | 0 | 0 |
| 38 | 99.2683 | 324.454 | 3136.63 | 0 | 0 |
| 39 | 100.613 | 325.637 | 2842.9 | 0 | 0 |
| 40 | 101.958 | 326.862 | 2534.99 | 0 | 0 |
| 41 | 103.302 | 328.132 | 2216.38 | 0 | 0 |
| 42 | 104.647 | 329.45 | 1891.04 | 0 | 0 |
| 43 | 105.992 | 330.817 | 1563.55 | 0 | 0 |
| 44 | 107.336 | 332.237 | 1239.14 | 0 | 0 |
| 45 | 108.681 | 333.713 | 925.179 | 0 | 0 |
| 46 | 110.025 | 335.249 | 637.309 | 0 | 0 |
| 47 | 111.37 | 336.849 | 385.961 | 0 | 0 |
| 48 | 112.715 | 338.518 | 181.421 | 0 | 0 |
| 49 | 114.059 | 340.262 | 35.3663 | 0 | 0 |
| 50 | 115.404 | 342.087 | -38.8941 | 0 | 0 |
| 51 | 116.749 | 344 | 0 | 0 | 0 |

# Cross Section HH-HH' - Master Scenario

## Global Minimum Query (bishop simplified) - Safety Factor: 1.62684

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 28.0255 | 301.055 | 0 | 0 | 0 |
| 2 | 29.9957 | 301.366 | 81.5561 | 0 | 0 |
| 3 | 31.9659 | 301.7 | 206.42 | 0 | 0 |
| 4 | 33.9361 | 302.058 | 368.939 | 0 | 0 |
| 5 | 35.9063 | 302.44 | 563.69 | 0 | 0 |
| 6 | 37.8765 | 302.845 | 785.468 | 0 | 0 |
| 7 | 39.8467 | 303.274 | 1029.29 | 0 | 0 |
| 8 | 41.8169 | 303.728 | 1290.39 | 0 | 0 |
| 9 | 43.7871 | 304.205 | 1564.21 | 0 | 0 |
| 10 | 45.7573 | 304.708 | 1846.41 | 0 | 0 |
| 11 | 47.7275 | 305.235 | 2132.87 | 0 | 0 |
| 12 | 49.6977 | 305.787 | 2419.65 | 0 | 0 |
| 13 | 51.6679 | 306.365 | 2703.04 | 0 | 0 |
| 14 | 53.638 | 306.968 | 2979.55 | 0 | 0 |
| 15 | 55.6082 | 307.597 | 3245.86 | 0 | 0 |
| 16 | 57.5784 | 308.252 | 3498.91 | 0 | 0 |
| 17 | 59.5486 | 308.933 | 3735.8 | 0 | 0 |
| 18 | 61.5188 | 309.641 | 3953.88 | 0 | 0 |
| 19 | 63.489 | 310.377 | 4150.71 | 0 | 0 |
| 20 | 65.4592 | 311.14 | 4324.05 | 0 | 0 |
| 21 | 67.4294 | 311.93 | 4471.9 | 0 | 0 |
| 22 | 69.3996 | 312.749 | 4592.47 | 0 | 0 |
| 23 | 71.3698 | 313.597 | 4684.23 | 0 | 0 |
| 24 | 73.34 | 314.474 | 4745.86 | 0 | 0 |
| 25 | 75.3102 | 315.381 | 4776.28 | 0 | 0 |
| 26 | 77.2804 | 316.318 | 4774.7 | 0 | 0 |
| 27 | 79.2506 | 317.286 | 4740.55 | 0 | 0 |
| 28 | 81.2208 | 318.285 | 4673.54 | 0 | 0 |
| 29 | 83.191 | 319.316 | 4573.67 | 0 | 0 |
| 30 | 85.1612 | 320.379 | 4441.22 | 0 | 0 |
| 31 | 87.1314 | 321.476 | 4276.79 | 0 | 0 |
| 32 | 89.1016 | 322.607 | 4081.28 | 0 | 0 |
| 33 | 91.0718 | 323.773 | 3855.93 | 0 | 0 |
| 34 | 93.042 | 324.975 | 3602.35 | 0 | 0 |
| 35 | 95.0122 | 326.213 | 3322.51 | 0 | 0 |
| 36 | 96.9824 | 327.488 | 3018.77 | 0 | 0 |
| 37 | 98.9526 | 328.802 | 2693.93 | 0 | 0 |
| 38 | 100.923 | 330.156 | 2351.23 | 0 | 0 |
| 39 | 102.893 | 331.55 | 1994.39 | 0 | 0 |
| 40 | 104.863 | 332.986 | 1627.64 | 0 | 0 |
| 41 | 106.833 | 334.466 | 1255.77 | 0 | 0 |
| 42 | 108.804 | 335.99 | 884.173 | 0 | 0 |
| 43 | 110.774 | 337.56 | 518.887 | 0 | 0 |
| 44 | 112.744 | 339.178 | 166.651 | 0 | 0 |
| 45 | 114.714 | 340.845 | -165.027 | 0 | 0 |
| 46 | 116.684 | 342.564 | -467.801 | 0 | 0 |
| 47 | 118.655 | 344.337 | -732.404 | 0 | 0 |
| 48 | 120.625 | 346.165 | -948.557 | 0 | 0 |
| 49 | 122.595 | 348.052 | -1104.66 | 0 | 0 |
| 50 | 124.565 | 350 | -1184.71 | 0 | 0 |
| 51 | 126.798 | 352.285 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.58157

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 28.0255 | 301.055 | 0 | 0 | 0 |
| 2 | 29.9512 | 301.154 | 102.938 | 0 | 0 |
| 3 | 31.877 | 301.282 | 285.172 | 0 | 0 |
| 4 | 33.8028 | 301.44 | 536.703 | 0 | 0 |
| 5 | 35.7285 | 301.628 | 847.999 | 0 | 0 |
| 6 | 37.6543 | 301.845 | 1209.98 | 0 | 0 |
| 7 | 39.58 | 302.093 | 1613.99 | 0 | 0 |
| 8 | 41.5058 | 302.371 | 2051.81 | 0 | 0 |
| 9 | 43.4315 | 302.679 | 2515.59 | 0 | 0 |
| 10 | 45.3573 | 303.018 | 2997.91 | 0 | 0 |
| 11 | 47.2831 | 303.388 | 3491.69 | 0 | 0 |
| 12 | 49.2088 | 303.789 | 3990.24 | 0 | 0 |
| 13 | 51.1346 | 304.222 | 4487.24 | 0 | 0 |
| 14 | 53.0603 | 304.686 | 4976.72 | 0 | 0 |
| 15 | 54.9861 | 305.183 | 5453.03 | 0 | 0 |
| 16 | 56.9118 | 305.712 | 5910.92 | 0 | 0 |
| 17 | 58.8376 | 306.274 | 6345.44 | 0 | 0 |
| 18 | 60.7633 | 306.869 | 6752 | 0 | 0 |
| 19 | 62.6891 | 307.499 | 7126.35 | 0 | 0 |
| 20 | 64.6149 | 308.163 | 7464.57 | 0 | 0 |
| 21 | 66.5406 | 308.862 | 7763.12 | 0 | 0 |
| 22 | 68.4664 | 309.597 | 8018.77 | 0 | 0 |
| 23 | 70.3921 | 310.368 | 8228.69 | 0 | 0 |
| 24 | 72.3179 | 311.177 | 8390.38 | 0 | 0 |
| 25 | 74.2436 | 312.023 | 8501.74 | 0 | 0 |
| 26 | 76.1694 | 312.908 | 8561.04 | 0 | 0 |
| 27 | 78.0951 | 313.833 | 8566.99 | 0 | 0 |
| 28 | 80.0209 | 314.798 | 8518.67 | 0 | 0 |
| 29 | 81.9467 | 315.805 | 8415.65 | 0 | 0 |
| 30 | 83.8724 | 316.855 | 8257.94 | 0 | 0 |
| 31 | 85.7982 | 317.949 | 8046.05 | 0 | 0 |
| 32 | 87.7239 | 319.088 | 7781.02 | 0 | 0 |
| 33 | 89.6497 | 320.275 | 7464.45 | 0 | 0 |
| 34 | 91.5754 | 321.509 | 7098.55 | 0 | 0 |
| 35 | 93.5012 | 322.794 | 6686.18 | 0 | 0 |
| 36 | 95.4269 | 324.131 | 6230.92 | 0 | 0 |
| 37 | 97.3527 | 325.522 | 5737.13 | 0 | 0 |
| 38 | 99.2785 | 326.969 | 5210.04 | 0 | 0 |
| 39 | 101.204 | 328.475 | 4655.8 | 0 | 0 |
| 40 | 103.13 | 330.043 | 4081.63 | 0 | 0 |
| 41 | 105.056 | 331.675 | 3495.96 | 0 | 0 |
| 42 | 106.981 | 333.375 | 2908.49 | 0 | 0 |
| 43 | 108.907 | 335.147 | 2330.48 | 0 | 0 |
| 44 | 110.833 | 336.995 | 1774.88 | 0 | 0 |
| 45 | 112.759 | 338.924 | 1256.61 | 0 | 0 |
| 46 | 114.685 | 340.939 | 792.89 | 0 | 0 |
| 47 | 116.61 | 343.046 | 403.58 | 0 | 0 |
| 48 | 118.536 | 345.253 | 111.694 | 0 | 0 |
| 49 | 120.462 | 347.568 | -56.0298 | 0 | 0 |
| 50 | 122.388 | 350 | -68.2455 | 0 | 0 |
| 51 | 122.612 | 350.291 | 0 | 0 | 0 |

## Cross Section HH-HH' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 1.01361

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 27.9515 | 301.016 | 0 | 0 | 0 |
| 2 | 30.2681 | 301.343 | 143.691 | 0 | 0 |
| 3 | 32.5847 | 301.697 | 355.276 | 0 | 0 |
| 4 | 34.9013 | 302.079 | 625.331 | 0 | 0 |
| 5 | 37.2179 | 302.488 | 944.87 | 0 | 0 |
| 6 | 39.5345 | 302.926 | 1305.34 | 0 | 0 |
| 7 | 41.8511 | 303.392 | 1698.6 | 0 | 0 |
| 8 | 44.1677 | 303.887 | 2116.93 | 0 | 0 |
| 9 | 46.4843 | 304.41 | 2553 | 0 | 0 |
| 10 | 48.8009 | 304.963 | 2999.87 | 0 | 0 |
| 11 | 51.1175 | 305.544 | 3450.97 | 0 | 0 |
| 12 | 53.4341 | 306.155 | 3900.13 | 0 | 0 |
| 13 | 55.7507 | 306.796 | 4341.54 | 0 | 0 |
| 14 | 58.0673 | 307.467 | 4769.74 | 0 | 0 |
| 15 | 60.3839 | 308.168 | 5179.65 | 0 | 0 |
| 16 | 62.7005 | 308.9 | 5566.53 | 0 | 0 |
| 17 | 65.0171 | 309.662 | 5926.02 | 0 | 0 |
| 18 | 67.3337 | 310.457 | 6254.09 | 0 | 0 |
| 19 | 69.6503 | 311.283 | 6547.07 | 0 | 0 |
| 20 | 71.9669 | 312.141 | 6801.65 | 0 | 0 |
| 21 | 74.2835 | 313.032 | 7014.86 | 0 | 0 |
| 22 | 76.6001 | 313.956 | 7184.1 | 0 | 0 |
| 23 | 78.9167 | 314.914 | 7307.12 | 0 | 0 |
| 24 | 81.2333 | 315.906 | 7382.05 | 0 | 0 |
| 25 | 83.5499 | 316.933 | 7407.37 | 0 | 0 |
| 26 | 85.8665 | 317.995 | 7381.95 | 0 | 0 |
| 27 | 88.1831 | 319.093 | 7305.03 | 0 | 0 |
| 28 | 90.4997 | 320.227 | 7176.25 | 0 | 0 |
| 29 | 92.8163 | 321.399 | 6995.67 | 0 | 0 |
| 30 | 95.1329 | 322.609 | 6763.72 | 0 | 0 |
| 31 | 97.4495 | 323.858 | 6481.31 | 0 | 0 |
| 32 | 99.7661 | 325.146 | 6149.75 | 0 | 0 |
| 33 | 102.083 | 326.475 | 5770.84 | 0 | 0 |
| 34 | 104.399 | 327.846 | 5346.84 | 0 | 0 |
| 35 | 106.716 | 329.259 | 4880.53 | 0 | 0 |
| 36 | 109.032 | 330.715 | 4375.21 | 0 | 0 |
| 37 | 111.349 | 332.216 | 3834.7 | 0 | 0 |
| 38 | 113.666 | 333.763 | 3263.46 | 0 | 0 |
| 39 | 115.982 | 335.357 | 2666.53 | 0 | 0 |
| 40 | 118.299 | 337 | 2049.6 | 0 | 0 |
| 41 | 120.615 | 338.693 | 1419.08 | 0 | 0 |
| 42 | 122.932 | 340.438 | 782.46 | 0 | 0 |
| 43 | 125.249 | 342.235 | 151.114 | 0 | 0 |
| 44 | 127.565 | 344.089 | -464.879 | 0 | 0 |
| 45 | 129.882 | 345.999 | -1055.28 | 0 | 0 |
| 46 | 132.198 | 347.969 | -1608.83 | 0 | 0 |
| 47 | 134.515 | 350 | -2113.18 | 0 | 0 |
| 48 | 137.039 | 352.287 | -2259.89 | 0 | 0 |
| 49 | 139.563 | 354.653 | -2310.18 | 0 | 0 |
| 50 | 142.087 | 357.103 | -2241.86 | 0 | 0 |
| 51 | 144.611 | 359.642 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 0.982602

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 28.1242 | 301.106 | 0 | 0 | 0 |
| 2 | 30.1243 | 301.203 | 150.041 | 0 | 0 |
| 3 | 32.1244 | 301.329 | 393.28 | 0 | 0 |
| 4 | 34.1245 | 301.486 | 717.065 | 0 | 0 |
| 5 | 36.1247 | 301.673 | 1109.45 | 0 | 0 |
| 6 | 38.1248 | 301.89 | 1559.17 | 0 | 0 |
| 7 | 40.1249 | 302.138 | 2055.58 | 0 | 0 |
| 8 | 42.125 | 302.416 | 2588.67 | 0 | 0 |
| 9 | 44.1252 | 302.726 | 3149 | 0 | 0 |
| 10 | 46.1253 | 303.066 | 3727.67 | 0 | 0 |
| 11 | 48.1254 | 303.438 | 4316.34 | 0 | 0 |
| 12 | 50.1255 | 303.842 | 4907.18 | 0 | 0 |
| 13 | 52.1256 | 304.277 | 5492.85 | 0 | 0 |
| 14 | 54.1258 | 304.745 | 6066.5 | 0 | 0 |
| 15 | 56.1259 | 305.245 | 6621.74 | 0 | 0 |
| 16 | 58.126 | 305.779 | 7152.65 | 0 | 0 |
| 17 | 60.1261 | 306.345 | 7653.75 | 0 | 0 |
| 18 | 62.1263 | 306.946 | 8120 | 0 | 0 |
| 19 | 64.1264 | 307.581 | 8546.79 | 0 | 0 |
| 20 | 66.1265 | 308.25 | 8929.95 | 0 | 0 |
| 21 | 68.1266 | 308.955 | 9265.74 | 0 | 0 |
| 22 | 70.1267 | 309.696 | 9550.82 | 0 | 0 |
| 23 | 72.1269 | 310.474 | 9782.3 | 0 | 0 |
| 24 | 74.127 | 311.289 | 9957.72 | 0 | 0 |
| 25 | 76.1271 | 312.142 | 10075 | 0 | 0 |
| 26 | 78.1272 | 313.034 | 10132.7 | 0 | 0 |
| 27 | 80.1274 | 313.965 | 10129.5 | 0 | 0 |
| 28 | 82.1275 | 314.937 | 10064.8 | 0 | 0 |
| 29 | 84.1276 | 315.951 | 9938.46 | 0 | 0 |
| 30 | 86.1277 | 317.008 | 9750.71 | 0 | 0 |
| 31 | 88.1278 | 318.108 | 9502.38 | 0 | 0 |
| 32 | 90.128 | 319.254 | 9194.85 | 0 | 0 |
| 33 | 92.1281 | 320.446 | 8830.02 | 0 | 0 |
| 34 | 94.1282 | 321.686 | 8410.44 | 0 | 0 |
| 35 | 96.1283 | 322.976 | 7939.27 | 0 | 0 |
| 36 | 98.1285 | 324.317 | 7420.36 | 0 | 0 |
| 37 | 100.129 | 325.711 | 6858.3 | 0 | 0 |
| 38 | 102.129 | 327.161 | 6258.47 | 0 | 0 |
| 39 | 104.129 | 328.668 | 5627.13 | 0 | 0 |
| 40 | 106.129 | 330.235 | 4971.46 | 0 | 0 |
| 41 | 108.129 | 331.865 | 4299.68 | 0 | 0 |
| 42 | 110.129 | 333.56 | 3621.17 | 0 | 0 |
| 43 | 112.129 | 335.325 | 2946.58 | 0 | 0 |
| 44 | 114.129 | 337.163 | 2287.96 | 0 | 0 |
| 45 | 116.13 | 339.078 | 1658.99 | 0 | 0 |
| 46 | 118.13 | 341.075 | 1075.15 | 0 | 0 |
| 47 | 120.13 | 343.159 | 554.011 | 0 | 0 |
| 48 | 122.13 | 345.336 | 115.525 | 0 | 0 |
| 49 | 124.13 | 347.614 | -214.376 | 0 | 0 |
| 50 | 126.13 | 350 | -406.738 | 0 | 0 |
| 51 | 128.639 | 353.162 | 0 | 0 | 0 |

## Cross Section II-II' - Master Scenario

### Global Minimum Query (bishop simplified) - Safety Factor: 1.69979

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 62.5254 | 337.01 | 0 | 0 | 0 |
| 2 | 64.1055 | 337.223 | 56.0813 | 0 | 0 |
| 3 | 65.6856 | 337.455 | 132.893 | 0 | 0 |
| 4 | 67.2657 | 337.705 | 227.481 | 0 | 0 |
| 5 | 68.8459 | 337.975 | 337.038 | 0 | 0 |
| 6 | 70.426 | 338.264 | 459.225 | 0 | 0 |
| 7 | 72.0061 | 338.573 | 597.355 | 0 | 0 |
| 8 | 73.5862 | 338.901 | 750.45 | 0 | 0 |
| 9 | 75.1664 | 339.248 | 915.305 | 0 | 0 |
| 10 | 76.7465 | 339.616 | 1088.85 | 0 | 0 |
| 11 | 78.3266 | 340.003 | 1268.17 | 0 | 0 |
| 12 | 79.9067 | 340.411 | 1450.47 | 0 | 0 |
| 13 | 81.4869 | 340.838 | 1633.11 | 0 | 0 |
| 14 | 83.067 | 341.287 | 1813.58 | 0 | 0 |
| 15 | 84.6471 | 341.756 | 1989.51 | 0 | 0 |
| 16 | 86.2272 | 342.246 | 2158.68 | 0 | 0 |
| 17 | 87.8074 | 342.757 | 2318.98 | 0 | 0 |
| 18 | 89.3875 | 343.29 | 2468.48 | 0 | 0 |
| 19 | 90.9676 | 343.844 | 2605.34 | 0 | 0 |
| 20 | 92.5477 | 344.421 | 2727.92 | 0 | 0 |
| 21 | 94.1279 | 345.02 | 2834.67 | 0 | 0 |
| 22 | 95.708 | 345.641 | 2924.23 | 0 | 0 |
| 23 | 97.2881 | 346.286 | 2995.36 | 0 | 0 |
| 24 | 98.8682 | 346.953 | 3046.99 | 0 | 0 |
| 25 | 100.448 | 347.645 | 3078.2 | 0 | 0 |
| 26 | 102.028 | 348.36 | 3088.22 | 0 | 0 |
| 27 | 103.609 | 349.101 | 3076.46 | 0 | 0 |
| 28 | 105.189 | 349.866 | 3042.51 | 0 | 0 |
| 29 | 106.769 | 350.656 | 2986.1 | 0 | 0 |
| 30 | 108.349 | 351.472 | 2907.2 | 0 | 0 |
| 31 | 109.929 | 352.315 | 2805.92 | 0 | 0 |
| 32 | 111.509 | 353.185 | 2682.6 | 0 | 0 |
| 33 | 113.089 | 354.083 | 2537.78 | 0 | 0 |
| 34 | 114.669 | 355.009 | 2372.23 | 0 | 0 |
| 35 | 116.25 | 355.963 | 2186.94 | 0 | 0 |
| 36 | 117.83 | 356.948 | 1983.18 | 0 | 0 |
| 37 | 119.41 | 357.963 | 1762.43 | 0 | 0 |
| 38 | 120.99 | 359.009 | 1526.5 | 0 | 0 |
| 39 | 122.57 | 360.087 | 1277.47 | 0 | 0 |
| 40 | 124.15 | 361.199 | 1017.75 | 0 | 0 |
| 41 | 125.73 | 362.344 | 750.094 | 0 | 0 |
| 42 | 127.31 | 363.525 | 477.681 | 0 | 0 |
| 43 | 128.891 | 364.742 | 206.505 | 0 | 0 |
| 44 | 130.471 | 365.997 | -57.8908 | 0 | 0 |
| 45 | 132.051 | 367.29 | -310.61 | 0 | 0 |
| 46 | 133.631 | 368.624 | -546.229 | 0 | 0 |
| 47 | 135.211 | 370 | -758.741 | 0 | 0 |
| 48 | 136.93 | 371.546 | -803.021 | 0 | 0 |
| 49 | 138.649 | 373.147 | -799.845 | 0 | 0 |
| 50 | 140.367 | 374.804 | -737.494 | 0 | 0 |
| 51 | 142.086 | 376.522 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.63638

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 65.1057 | 338.042 | 0 | 0 | 0 |
| 2 | 66.407 | 338.099 | 53.7964 | 0 | 0 |
| 3 | 67.7082 | 338.176 | 134.372 | 0 | 0 |
| 4 | 69.0095 | 338.273 | 238.06 | 0 | 0 |
| 5 | 70.3108 | 338.389 | 361.649 | 0 | 0 |
| 6 | 71.612 | 338.526 | 507.727 | 0 | 0 |
| 7 | 72.9133 | 338.683 | 674.939 | 0 | 0 |
| 8 | 74.2146 | 338.86 | 859.479 | 0 | 0 |
| 9 | 75.5158 | 339.057 | 1057.73 | 0 | 0 |
| 10 | 76.8171 | 339.275 | 1266.24 | 0 | 0 |
| 11 | 78.1184 | 339.513 | 1481.74 | 0 | 0 |
| 12 | 79.4196 | 339.772 | 1701.12 | 0 | 0 |
| 13 | 80.7209 | 340.053 | 1921.45 | 0 | 0 |
| 14 | 82.0222 | 340.354 | 2139.94 | 0 | 0 |
| 15 | 83.3234 | 340.677 | 2353.97 | 0 | 0 |
| 16 | 84.6247 | 341.022 | 2561.06 | 0 | 0 |
| 17 | 85.926 | 341.388 | 2758.92 | 0 | 0 |
| 18 | 87.2272 | 341.777 | 2945.37 | 0 | 0 |
| 19 | 88.5285 | 342.189 | 3118.41 | 0 | 0 |
| 20 | 89.8298 | 342.623 | 3276.2 | 0 | 0 |
| 21 | 91.131 | 343.081 | 3417.03 | 0 | 0 |
| 22 | 92.4323 | 343.562 | 3539.36 | 0 | 0 |
| 23 | 93.7336 | 344.068 | 3641.81 | 0 | 0 |
| 24 | 95.0348 | 344.598 | 3723.17 | 0 | 0 |
| 25 | 96.3361 | 345.153 | 3782.39 | 0 | 0 |
| 26 | 97.6374 | 345.734 | 3818.59 | 0 | 0 |
| 27 | 98.9386 | 346.341 | 3831.07 | 0 | 0 |
| 28 | 100.24 | 346.975 | 3819.31 | 0 | 0 |
| 29 | 101.541 | 347.636 | 3783 | 0 | 0 |
| 30 | 102.842 | 348.325 | 3722.02 | 0 | 0 |
| 31 | 104.144 | 349.044 | 3636.48 | 0 | 0 |
| 32 | 105.445 | 349.792 | 3526.69 | 0 | 0 |
| 33 | 106.746 | 350.572 | 3393.24 | 0 | 0 |
| 34 | 108.048 | 351.382 | 3236.97 | 0 | 0 |
| 35 | 109.349 | 352.226 | 3058.98 | 0 | 0 |
| 36 | 110.65 | 353.104 | 2860.72 | 0 | 0 |
| 37 | 111.951 | 354.017 | 2643.93 | 0 | 0 |
| 38 | 113.253 | 354.966 | 2410.75 | 0 | 0 |
| 39 | 114.554 | 355.954 | 2163.7 | 0 | 0 |
| 40 | 115.855 | 356.982 | 1905.77 | 0 | 0 |
| 41 | 117.156 | 358.052 | 1640.41 | 0 | 0 |
| 42 | 118.458 | 359.165 | 1371.66 | 0 | 0 |
| 43 | 119.759 | 360.325 | 1104.18 | 0 | 0 |
| 44 | 121.06 | 361.533 | 843.339 | 0 | 0 |
| 45 | 122.361 | 362.793 | 595.31 | 0 | 0 |
| 46 | 123.663 | 364.108 | 367.214 | 0 | 0 |
| 47 | 124.964 | 365.482 | 167.249 | 0 | 0 |
| 48 | 126.265 | 366.918 | 4.88269 | 0 | 0 |
| 49 | 127.567 | 368.422 | -108.487 | 0 | 0 |
| 50 | 128.868 | 370 | -156.408 | 0 | 0 |
| 51 | 129.937 | 371.355 | 0 | 0 | 0 |

## Cross Section II-II' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 1.06082

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 56.3203 | 334.528 | 0 | 0 | 0 |
| 2 | 58.0715 | 334.739 | 92.9825 | 0 | 0 |
| 3 | 59.8227 | 334.97 | 213.815 | 0 | 0 |
| 4 | 61.5739 | 335.224 | 358.196 | 0 | 0 |
| 5 | 63.3251 | 335.498 | 522.067 | 0 | 0 |
| 6 | 65.0763 | 335.794 | 701.61 | 0 | 0 |
| 7 | 66.8275 | 336.111 | 893.238 | 0 | 0 |
| 8 | 68.5787 | 336.451 | 1093.59 | 0 | 0 |
| 9 | 70.3299 | 336.812 | 1299.7 | 0 | 0 |
| 10 | 72.0812 | 337.195 | 1514.16 | 0 | 0 |
| 11 | 73.8324 | 337.601 | 1735.93 | 0 | 0 |
| 12 | 75.5836 | 338.028 | 1961.18 | 0 | 0 |
| 13 | 77.3348 | 338.479 | 2186.28 | 0 | 0 |
| 14 | 79.086 | 338.953 | 2407.85 | 0 | 0 |
| 15 | 80.8372 | 339.449 | 2622.7 | 0 | 0 |
| 16 | 82.5884 | 339.969 | 2827.86 | 0 | 0 |
| 17 | 84.3396 | 340.512 | 3020.58 | 0 | 0 |
| 18 | 86.0908 | 341.08 | 3198.31 | 0 | 0 |
| 19 | 87.842 | 341.671 | 3358.7 | 0 | 0 |
| 20 | 89.5932 | 342.287 | 3499.64 | 0 | 0 |
| 21 | 91.3444 | 342.928 | 3619.19 | 0 | 0 |
| 22 | 93.0956 | 343.594 | 3715.64 | 0 | 0 |
| 23 | 94.8468 | 344.285 | 3787.5 | 0 | 0 |
| 24 | 96.5981 | 345.002 | 3833.47 | 0 | 0 |
| 25 | 98.3493 | 345.746 | 3852.48 | 0 | 0 |
| 26 | 100.1 | 346.516 | 3843.68 | 0 | 0 |
| 27 | 101.852 | 347.313 | 3806.43 | 0 | 0 |
| 28 | 103.603 | 348.138 | 3740.34 | 0 | 0 |
| 29 | 105.354 | 348.991 | 3645.23 | 0 | 0 |
| 30 | 107.105 | 349.873 | 3521.18 | 0 | 0 |
| 31 | 108.857 | 350.784 | 3368.5 | 0 | 0 |
| 32 | 110.608 | 351.725 | 3187.77 | 0 | 0 |
| 33 | 112.359 | 352.697 | 2979.83 | 0 | 0 |
| 34 | 114.11 | 353.7 | 2745.8 | 0 | 0 |
| 35 | 115.861 | 354.735 | 2487.08 | 0 | 0 |
| 36 | 117.613 | 355.803 | 2205.37 | 0 | 0 |
| 37 | 119.364 | 356.904 | 1902.71 | 0 | 0 |
| 38 | 121.115 | 358.04 | 1581.44 | 0 | 0 |
| 39 | 122.866 | 359.211 | 1244.29 | 0 | 0 |
| 40 | 124.617 | 360.419 | 894.324 | 0 | 0 |
| 41 | 126.369 | 361.665 | 535.041 | 0 | 0 |
| 42 | 128.12 | 362.949 | 171.3 | 0 | 0 |
| 43 | 129.871 | 364.273 | -188.833 | 0 | 0 |
| 44 | 131.622 | 365.639 | -539.67 | 0 | 0 |
| 45 | 133.373 | 367.048 | -875.285 | 0 | 0 |
| 46 | 135.125 | 368.501 | -1189.17 | 0 | 0 |
| 47 | 136.876 | 370 | -1474.18 | 0 | 0 |
| 48 | 138.785 | 371.689 | -1512.64 | 0 | 0 |
| 49 | 140.693 | 373.438 | -1491.63 | 0 | 0 |
| 50 | 142.602 | 375.25 | -1371.98 | 0 | 0 |
| 51 | 144.511 | 377.128 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.01965

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 57.8562 | 335.142 | 0 | 0 | 0 |
| 2 | 59.5296 | 335.174 | 111.46 | 0 | 0 |
| 3 | 61.2029 | 335.231 | 277.248 | 0 | 0 |
| 4 | 62.8763 | 335.313 | 489.495 | 0 | 0 |
| 5 | 64.5496 | 335.422 | 740.837 | 0 | 0 |
| 6 | 66.223 | 335.557 | 1024.38 | 0 | 0 |
| 7 | 67.8963 | 335.717 | 1333.69 | 0 | 0 |
| 8 | 69.5697 | 335.904 | 1662.74 | 0 | 0 |
| 9 | 71.243 | 336.117 | 2009.7 | 0 | 0 |
| 10 | 72.9164 | 336.356 | 2377.63 | 0 | 0 |
| 11 | 74.5898 | 336.622 | 2760.45 | 0 | 0 |
| 12 | 76.2631 | 336.915 | 3151.98 | 0 | 0 |
| 13 | 77.9365 | 337.235 | 3546.46 | 0 | 0 |
| 14 | 79.6098 | 337.582 | 3938.47 | 0 | 0 |
| 15 | 81.2832 | 337.957 | 4322.97 | 0 | 0 |
| 16 | 82.9565 | 338.359 | 4695.24 | 0 | 0 |
| 17 | 84.6299 | 338.79 | 5050.92 | 0 | 0 |
| 18 | 86.3033 | 339.249 | 5385.97 | 0 | 0 |
| 19 | 87.9766 | 339.737 | 5696.67 | 0 | 0 |
| 20 | 89.65 | 340.255 | 5979.62 | 0 | 0 |
| 21 | 91.3233 | 340.802 | 6231.74 | 0 | 0 |
| 22 | 92.9967 | 341.379 | 6450.25 | 0 | 0 |
| 23 | 94.67 | 341.987 | 6632.69 | 0 | 0 |
| 24 | 96.3434 | 342.626 | 6776.91 | 0 | 0 |
| 25 | 98.0167 | 343.297 | 6881.08 | 0 | 0 |
| 26 | 99.6901 | 344.001 | 6943.68 | 0 | 0 |
| 27 | 101.363 | 344.738 | 6963.52 | 0 | 0 |
| 28 | 103.037 | 345.508 | 6939.73 | 0 | 0 |
| 29 | 104.71 | 346.314 | 6871.78 | 0 | 0 |
| 30 | 106.384 | 347.155 | 6759.5 | 0 | 0 |
| 31 | 108.057 | 348.033 | 6603.08 | 0 | 0 |
| 32 | 109.73 | 348.948 | 6403.08 | 0 | 0 |
| 33 | 111.404 | 349.902 | 6160.47 | 0 | 0 |
| 34 | 113.077 | 350.895 | 5876.63 | 0 | 0 |
| 35 | 114.75 | 351.93 | 5553.39 | 0 | 0 |
| 36 | 116.424 | 353.008 | 5193.03 | 0 | 0 |
| 37 | 118.097 | 354.129 | 4798.37 | 0 | 0 |
| 38 | 119.77 | 355.296 | 4372.76 | 0 | 0 |
| 39 | 121.444 | 356.511 | 3920.14 | 0 | 0 |
| 40 | 123.117 | 357.775 | 3445.1 | 0 | 0 |
| 41 | 124.79 | 359.091 | 2952.94 | 0 | 0 |
| 42 | 126.464 | 360.462 | 2449.73 | 0 | 0 |
| 43 | 128.137 | 361.889 | 1943.59 | 0 | 0 |
| 44 | 129.811 | 363.376 | 1446.53 | 0 | 0 |
| 45 | 131.484 | 364.927 | 968.471 | 0 | 0 |
| 46 | 133.157 | 366.545 | 520.358 | 0 | 0 |
| 47 | 134.831 | 368.234 | 114.553 | 0 | 0 |
| 48 | 136.504 | 370 | -234.936 | 0 | 0 |
| 49 | 138.365 | 372.06 | -284.317 | 0 | 0 |
| 50 | 140.225 | 374.23 | -212.45 | 0 | 0 |
| 51 | 142.086 | 376.522 | 0 | 0 | 0 |

## Cross Section JJ-JJ' - Master Scenario

### Global Minimum Query (bishop simplified) - Safety Factor: 2.04849

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 8.88531 | 341.481 | 0 | 0 | 0 |
| 2 | 10.413 | 341.675 | 1.35141 | 0 | 0 |
| 3 | 11.9407 | 341.882 | 4.9472 | 0 | 0 |
| 4 | 13.4683 | 342.104 | 16.2103 | 0 | 0 |
| 5 | 14.996 | 342.34 | 40.8144 | 0 | 0 |
| 6 | 16.5237 | 342.59 | 77.0174 | 0 | 0 |
| 7 | 18.0514 | 342.855 | 123.142 | 0 | 0 |
| 8 | 19.579 | 343.133 | 177.586 | 0 | 0 |
| 9 | 21.1067 | 343.426 | 238.821 | 0 | 0 |
| 10 | 22.6344 | 343.734 | 305.392 | 0 | 0 |
| 11 | 24.1621 | 344.056 | 375.916 | 0 | 0 |
| 12 | 25.6898 | 344.393 | 449.086 | 0 | 0 |
| 13 | 27.2174 | 344.744 | 523.665 | 0 | 0 |
| 14 | 28.7451 | 345.11 | 598.49 | 0 | 0 |
| 15 | 30.2728 | 345.491 | 672.471 | 0 | 0 |
| 16 | 31.8005 | 345.888 | 744.59 | 0 | 0 |
| 17 | 33.3281 | 346.299 | 813.916 | 0 | 0 |
| 18 | 34.8558 | 346.725 | 879.902 | 0 | 0 |
| 19 | 36.3835 | 347.167 | 941.819 | 0 | 0 |
| 20 | 37.9112 | 347.625 | 998.843 | 0 | 0 |
| 21 | 39.4388 | 348.098 | 1050.23 | 0 | 0 |
| 22 | 40.9665 | 348.586 | 1095.3 | 0 | 0 |
| 23 | 42.4942 | 349.091 | 1133.47 | 0 | 0 |
| 24 | 44.0219 | 349.611 | 1164.21 | 0 | 0 |
| 25 | 45.5495 | 350.148 | 1187.1 | 0 | 0 |
| 26 | 47.0772 | 350.701 | 1201.76 | 0 | 0 |
| 27 | 48.6049 | 351.271 | 1207.92 | 0 | 0 |
| 28 | 50.1326 | 351.857 | 1205.38 | 0 | 0 |
| 29 | 51.6602 | 352.461 | 1194.04 | 0 | 0 |
| 30 | 53.1879 | 353.081 | 1173.87 | 0 | 0 |
| 31 | 54.7156 | 353.718 | 1144.94 | 0 | 0 |
| 32 | 56.2433 | 354.374 | 1107.39 | 0 | 0 |
| 33 | 57.771 | 355.046 | 1061.48 | 0 | 0 |
| 34 | 59.2986 | 355.737 | 1007.64 | 0 | 0 |
| 35 | 60.8263 | 356.446 | 946.536 | 0 | 0 |
| 36 | 62.354 | 357.173 | 878.802 | 0 | 0 |
| 37 | 63.8817 | 357.919 | 805.17 | 0 | 0 |
| 38 | 65.4093 | 358.685 | 726.482 | 0 | 0 |
| 39 | 66.937 | 359.469 | 643.695 | 0 | 0 |
| 40 | 68.4647 | 360.273 | 557.882 | 0 | 0 |
| 41 | 69.9924 | 361.096 | 470.239 | 0 | 0 |
| 42 | 71.52 | 361.94 | 382.088 | 0 | 0 |
| 43 | 73.0477 | 362.805 | 294.884 | 0 | 0 |
| 44 | 74.5754 | 363.69 | 210.221 | 0 | 0 |
| 45 | 76.1031 | 364.597 | 129.837 | 0 | 0 |
| 46 | 77.6307 | 365.525 | 55.6211 | 0 | 0 |
| 47 | 79.1584 | 366.476 | -10.3777 | 0 | 0 |
| 48 | 80.6861 | 367.449 | -65.9441 | 0 | 0 |
| 49 | 82.2138 | 368.445 | -108.687 | 0 | 0 |
| 50 | 83.7414 | 369.464 | -136.03 | 0 | 0 |
| 51 | 85.2691 | 370.508 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 2.02152

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 15.0078 | 343.146 | 0 | 0 | 0 |
| 2 | 16.4337 | 343.341 | 7.0534 | 0 | 0 |
| 3 | 17.8596 | 343.549 | 27.1187 | 0 | 0 |
| 4 | 19.2855 | 343.771 | 58.6121 | 0 | 0 |
| 5 | 20.7114 | 344.005 | 100.015 | 0 | 0 |
| 6 | 22.1373 | 344.253 | 149.872 | 0 | 0 |
| 7 | 23.5632 | 344.514 | 206.792 | 0 | 0 |
| 8 | 24.9891 | 344.788 | 269.449 | 0 | 0 |
| 9 | 26.415 | 345.075 | 336.576 | 0 | 0 |
| 10 | 27.8409 | 345.376 | 406.973 | 0 | 0 |
| 11 | 29.2668 | 345.691 | 479.499 | 0 | 0 |
| 12 | 30.6927 | 346.019 | 553.076 | 0 | 0 |
| 13 | 32.1186 | 346.361 | 626.69 | 0 | 0 |
| 14 | 33.5445 | 346.716 | 699.429 | 0 | 0 |
| 15 | 34.9704 | 347.086 | 770.793 | 0 | 0 |
| 16 | 36.3963 | 347.469 | 839.978 | 0 | 0 |
| 17 | 37.8222 | 347.866 | 906.132 | 0 | 0 |
| 18 | 39.2481 | 348.278 | 968.465 | 0 | 0 |
| 19 | 40.674 | 348.704 | 1026.25 | 0 | 0 |
| 20 | 42.0999 | 349.144 | 1078.83 | 0 | 0 |
| 21 | 43.5258 | 349.599 | 1125.61 | 0 | 0 |
| 22 | 44.9517 | 350.069 | 1166.05 | 0 | 0 |
| 23 | 46.3776 | 350.553 | 1199.69 | 0 | 0 |
| 24 | 47.8035 | 351.052 | 1226.13 | 0 | 0 |
| 25 | 49.2294 | 351.567 | 1245.03 | 0 | 0 |
| 26 | 50.6553 | 352.096 | 1256.14 | 0 | 0 |
| 27 | 52.0812 | 352.641 | 1259.26 | 0 | 0 |
| 28 | 53.5071 | 353.202 | 1254.28 | 0 | 0 |
| 29 | 54.933 | 353.778 | 1241.14 | 0 | 0 |
| 30 | 56.3589 | 354.371 | 1219.87 | 0 | 0 |
| 31 | 57.7848 | 354.979 | 1190.58 | 0 | 0 |
| 32 | 59.2107 | 355.604 | 1153.51 | 0 | 0 |
| 33 | 60.6366 | 356.245 | 1109.08 | 0 | 0 |
| 34 | 62.0625 | 356.903 | 1057.7 | 0 | 0 |
| 35 | 63.4884 | 357.578 | 999.889 | 0 | 0 |
| 36 | 64.9143 | 358.271 | 936.238 | 0 | 0 |
| 37 | 66.3402 | 358.98 | 867.433 | 0 | 0 |
| 38 | 67.7661 | 359.708 | 794.258 | 0 | 0 |
| 39 | 69.192 | 360.453 | 717.592 | 0 | 0 |
| 40 | 70.6179 | 361.217 | 638.421 | 0 | 0 |
| 41 | 72.0438 | 361.999 | 557.833 | 0 | 0 |
| 42 | 73.4697 | 362.8 | 477.032 | 0 | 0 |
| 43 | 74.8956 | 363.621 | 397.333 | 0 | 0 |
| 44 | 76.3215 | 364.461 | 320.176 | 0 | 0 |
| 45 | 77.7474 | 365.321 | 247.125 | 0 | 0 |
| 46 | 79.1733 | 366.201 | 179.878 | 0 | 0 |
| 47 | 80.5992 | 367.102 | 120.271 | 0 | 0 |
| 48 | 82.0251 | 368.024 | 70.2892 | 0 | 0 |
| 49 | 83.451 | 368.968 | 32.0685 | 0 | 0 |
| 50 | 84.8769 | 369.933 | 7.74538 | 0 | 0 |
| 51 | 86.3028 | 370.921 | 0 | 0 | 0 |

## Cross Section JJ-JJ' - Seismic

### Global Minimum Query (bishop simplified) - Safety Factor: 1.17883

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 7.25467 | 341.209 | 0 | 0 | 0 |
| 2 | 8.82962 | 341.402 | 1.77781 | 0 | 0 |
| 3 | 10.4046 | 341.609 | 6.53484 | 0 | 0 |
| 4 | 11.9795 | 341.831 | 13.3298 | 0 | 0 |
| 5 | 13.5545 | 342.067 | 28.639 | 0 | 0 |
| 6 | 15.1294 | 342.318 | 58.3722 | 0 | 0 |
| 7 | 16.7044 | 342.583 | 100.468 | 0 | 0 |
| 8 | 18.2793 | 342.864 | 152.966 | 0 | 0 |
| 9 | 19.8543 | 343.159 | 214.006 | 0 | 0 |
| 10 | 21.4292 | 343.469 | 281.827 | 0 | 0 |
| 11 | 23.0042 | 343.795 | 354.766 | 0 | 0 |
| 12 | 24.5791 | 344.135 | 431.256 | 0 | 0 |
| 13 | 26.1541 | 344.491 | 509.827 | 0 | 0 |
| 14 | 27.729 | 344.862 | 589.099 | 0 | 0 |
| 15 | 29.304 | 345.248 | 667.791 | 0 | 0 |
| 16 | 30.8789 | 345.65 | 744.71 | 0 | 0 |
| 17 | 32.4539 | 346.067 | 818.759 | 0 | 0 |
| 18 | 34.0288 | 346.5 | 889.049 | 0 | 0 |
| 19 | 35.6038 | 346.949 | 954.998 | 0 | 0 |
| 20 | 37.1787 | 347.414 | 1015.7 | 0 | 0 |
| 21 | 38.7537 | 347.895 | 1070.31 | 0 | 0 |
| 22 | 40.3286 | 348.392 | 1118.06 | 0 | 0 |
| 23 | 41.9035 | 348.906 | 1158.3 | 0 | 0 |
| 24 | 43.4785 | 349.436 | 1190.44 | 0 | 0 |
| 25 | 45.0534 | 349.983 | 1214.02 | 0 | 0 |
| 26 | 46.6284 | 350.546 | 1228.64 | 0 | 0 |
| 27 | 48.2033 | 351.127 | 1234.01 | 0 | 0 |
| 28 | 49.7783 | 351.725 | 1229.94 | 0 | 0 |
| 29 | 51.3532 | 352.341 | 1216.33 | 0 | 0 |
| 30 | 52.9282 | 352.974 | 1193.16 | 0 | 0 |
| 31 | 54.5031 | 353.624 | 1160.54 | 0 | 0 |
| 32 | 56.0781 | 354.293 | 1118.66 | 0 | 0 |
| 33 | 57.653 | 354.98 | 1067.81 | 0 | 0 |
| 34 | 59.228 | 355.686 | 1008.49 | 0 | 0 |
| 35 | 60.8029 | 356.41 | 941.468 | 0 | 0 |
| 36 | 62.3779 | 357.154 | 867.453 | 0 | 0 |
| 37 | 63.9528 | 357.916 | 787.267 | 0 | 0 |
| 38 | 65.5278 | 358.699 | 701.845 | 0 | 0 |
| 39 | 67.1027 | 359.501 | 612.237 | 0 | 0 |
| 40 | 68.6777 | 360.323 | 519.618 | 0 | 0 |
| 41 | 70.2526 | 361.165 | 425.283 | 0 | 0 |
| 42 | 71.8276 | 362.029 | 330.661 | 0 | 0 |
| 43 | 73.4025 | 362.913 | 237.312 | 0 | 0 |
| 44 | 74.9775 | 363.82 | 146.934 | 0 | 0 |
| 45 | 76.5524 | 364.748 | 61.369 | 0 | 0 |
| 46 | 78.1274 | 365.698 | -17.3907 | 0 | 0 |
| 47 | 79.7023 | 366.671 | -87.1978 | 0 | 0 |
| 48 | 81.2773 | 367.668 | -145.743 | 0 | 0 |
| 49 | 82.8522 | 368.688 | -190.546 | 0 | 0 |
| 50 | 84.4272 | 369.732 | -218.99 | 0 | 0 |
| 51 | 86.0021 | 370.801 | 0 | 0 | 0 |

## Global Minimum Query (janbu simplified) - Safety Factor: 1.16126

| Slice Number | X coordinate [ft] | Y coordinate - Bottom [ft] | Interslice Normal Force [lbs] | Interslice Shear Force [lbs] | Interslice Force Angle [deg] |
|---|---|---|---|---|---|
| 1 | 14.5875 | 342.986 | 0 | 0 | 0 |
| 2 | 16.0173 | 343.181 | 7.80428 | 0 | 0 |
| 3 | 17.4471 | 343.39 | 29.9454 | 0 | 0 |
| 4 | 18.8769 | 343.612 | 64.6018 | 0 | 0 |
| 5 | 20.3067 | 343.847 | 110.036 | 0 | 0 |
| 6 | 21.7365 | 344.095 | 164.594 | 0 | 0 |
| 7 | 23.1663 | 344.357 | 226.704 | 0 | 0 |
| 8 | 24.5961 | 344.631 | 294.873 | 0 | 0 |
| 9 | 26.0259 | 344.919 | 367.689 | 0 | 0 |
| 10 | 27.4556 | 345.221 | 443.817 | 0 | 0 |
| 11 | 28.8854 | 345.536 | 521.999 | 0 | 0 |
| 12 | 30.3152 | 345.865 | 601.054 | 0 | 0 |
| 13 | 31.745 | 346.208 | 679.876 | 0 | 0 |
| 14 | 33.1748 | 346.564 | 757.44 | 0 | 0 |
| 15 | 34.6046 | 346.934 | 833.135 | 0 | 0 |
| 16 | 36.0344 | 347.319 | 906.221 | 0 | 0 |
| 17 | 37.4642 | 347.717 | 975.795 | 0 | 0 |
| 18 | 38.894 | 348.13 | 1041.03 | 0 | 0 |
| 19 | 40.3238 | 348.557 | 1101.16 | 0 | 0 |
| 20 | 41.7536 | 348.998 | 1155.5 | 0 | 0 |
| 21 | 43.1834 | 349.454 | 1203.46 | 0 | 0 |
| 22 | 44.6132 | 349.925 | 1244.49 | 0 | 0 |
| 23 | 46.043 | 350.411 | 1278.13 | 0 | 0 |
| 24 | 47.4728 | 350.911 | 1303.99 | 0 | 0 |
| 25 | 48.9026 | 351.427 | 1321.76 | 0 | 0 |
| 26 | 50.3324 | 351.958 | 1331.2 | 0 | 0 |
| 27 | 51.7622 | 352.504 | 1332.16 | 0 | 0 |
| 28 | 53.192 | 353.066 | 1324.55 | 0 | 0 |
| 29 | 54.6218 | 353.644 | 1308.36 | 0 | 0 |
| 30 | 56.0516 | 354.238 | 1283.67 | 0 | 0 |
| 31 | 57.4814 | 354.848 | 1250.63 | 0 | 0 |
| 32 | 58.9112 | 355.474 | 1209.51 | 0 | 0 |
| 33 | 60.341 | 356.117 | 1160.81 | 0 | 0 |
| 34 | 61.7708 | 356.777 | 1105.02 | 0 | 0 |
| 35 | 63.2006 | 357.453 | 1042.71 | 0 | 0 |
| 36 | 64.6304 | 358.148 | 974.525 | 0 | 0 |
| 37 | 66.0601 | 358.859 | 901.218 | 0 | 0 |
| 38 | 67.4899 | 359.588 | 823.628 | 0 | 0 |
| 39 | 68.9197 | 360.336 | 742.692 | 0 | 0 |
| 40 | 70.3495 | 361.101 | 659.447 | 0 | 0 |
| 41 | 71.7793 | 361.886 | 575.032 | 0 | 0 |
| 42 | 73.2091 | 362.689 | 490.693 | 0 | 0 |
| 43 | 74.6389 | 363.512 | 407.786 | 0 | 0 |
| 44 | 76.0687 | 364.354 | 327.781 | 0 | 0 |
| 45 | 77.4985 | 365.216 | 252.268 | 0 | 0 |
| 46 | 78.9283 | 366.099 | 182.959 | 0 | 0 |
| 47 | 80.3581 | 367.002 | 121.696 | 0 | 0 |
| 48 | 81.7879 | 367.926 | 70.4543 | 0 | 0 |
| 49 | 83.2177 | 368.872 | 31.3513 | 0 | 0 |
| 50 | 84.6475 | 369.84 | 6.56081 | 0 | 0 |
| 51 | 86.0773 | 370.831 | 0 | 0 | 0 |

# Discharge Sections

# Entity Information

## Cross Section AA-AA'

**Shared Entities**

| Type | Coordinates (x,y) |
|---|---|
| External Boundary | 152, 330.588<br>149, 330<br>111, 320<br>15, 272<br>9, 270<br>0, 268<br>0, 210.939<br>0, 200<br>320, 200<br>320, 350<br>320, 354<br>177, 352<br>152, 352 |
| Material Boundary | 170, 307<br>237, 345.286 |
| Material Boundary | 0, 210.939<br>170, 307 |
| Material Boundary | 152, 330.588<br>200, 340<br>237, 345.286<br>242, 346<br>320, 350 |

**Scenario-based Entities**

| Type | Coordinates (x,y) | Master Scenario | Seismic |
|---|---|---|---|
| Distributed Load | 320, 354<br>177, 352 | Constant DistributionOrientation: Normal to boundaryMagnitude: 400 lbs/ft2Creates Excess Pore Pressure: No | Constant DistributionOrientation: Normal to boundaryMagnitude: 400 lbs/ft2Creates Excess Pore Pressure: No |

## Cross Section BB-BB'

**Shared Entities**

| Type | Coordinates (x,y) |
|---|---|
| External Boundary | 152, 357.714<br>137, 356<br>8, 280<br>0, 274<br>0, 253.066<br>0, 200<br>300, 200<br>300, 362<br>251.943, 362<br>205, 362<br>180, 360<br>172, 360<br>152, 360 |
| Material Boundary | 122, 306<br>216, 347<br>251.943, 362 |
| Material Boundary | 0, 253.066<br>122, 306 |
| Material Boundary | 152, 357.714<br>172, 360 |

**Scenario-based Entities**

| Type | Coordinates (x,y) | Master Scenario | Seismic |
|---|---|---|---|
| Distributed Load | 300, 362<br>251.943, 362<br>205, 362<br>180, 360 | Constant<br>DistributionOrientation: Normal to boundaryMagnitude: 400 lbs/ft2Creates Excess Pore Pressure: No | Constant<br>DistributionOrientation: Normal to boundaryMagnitude: 400 lbs/ft2Creates Excess Pore Pressure: No |

## Cross Section CC-CC'

**Shared Entities**

| Type | Coordinates (x,y) |
|---|---|
| External Boundary | 0, 250<br>240, 250<br>240, 367<br>240, 368<br>171, 368<br>146.429, 368<br>144.5, 367<br>131, 360<br>18, 300<br>10, 296<br>5, 294<br>0, 292 |
| Material Boundary | 144.5, 367<br>169, 367<br>240, 367 |

**Scenario-based Entities**

| Type | Coordinates (x,y) | Master Scenario | Seismic |
|---|---|---|---|
| Distributed Load | 240, 368<br>171, 368 | Constant DistributionOrientation: Normal to boundaryMagnitude: 400 lbs/ft2Creates Excess Pore Pressure: No | Constant DistributionOrientation: Normal to boundaryMagnitude: 400 lbs/ft2Creates Excess Pore Pressure: No |

## Cross Section DD-DD'

### Shared Entities

| Type | Coordinates (x,y) |
|---|---|
| External Boundary | 20, 310<br>0, 302<br>0, 280<br>240, 280<br>240, 367<br>240, 380<br>175, 380<br>157.083, 380<br>131.625, 367 |
| Material Boundary | 131.625, 367<br>240, 367 |

### Scenario-based Entities

| Type | Coordinates (x,y) | Master Scenario | Seismic |
|---|---|---|---|
| Distributed Load | 240, 380<br>175, 380 | Constant DistributionOrientation: Normal to boundaryMagnitude: 400 lbs/ft2Creates Excess Pore Pressure: No | Constant DistributionOrientation: Normal to boundaryMagnitude: 400 lbs/ft2Creates Excess Pore Pressure: No |

## Cross Section EE-EE'

### Shared Entities

| Type | Coordinates (x,y) |
|---|---|
| External Boundary | 184, 393.765<br>168, 390<br>121.54, 367<br>67, 340<br>46, 330<br>25, 320<br>0, 312<br>0, 250<br>262, 250<br>262, 367<br>262, 398<br>262, 400<br>196, 400<br>184, 398 |
| Material Boundary | 121.54, 367<br>262, 367 |
| Material Boundary | 184, 393.765<br>185, 394<br>210, 396<br>262, 398 |

## Cross Section FF-FF'

**Shared Entities**

| Type | Coordinates (x,y) |
|---|---|
| External Boundary | 240, 396.632<br>215, 394<br>195, 392<br>178, 390<br>155, 380<br>127.375, 367<br>70, 340<br>47, 330<br>18, 320<br>0, 316<br>0, 250<br>272, 250<br>272, 367<br>272, 400<br>240, 400 |
| Material Boundary | 127.375, 367<br>272, 367 |
| Material Boundary | 240, 396.632<br>272, 400 |

## Cross Section GG-GG'

**Shared Entities**

| Type | Coordinates (x,y) |
|---|---|
| External Boundary | 115.6, 344<br>108, 340<br>49.5, 301<br>48, 300<br>25, 290<br>0, 284<br>0, 250<br>180, 250<br>232, 250<br>232, 301<br>232, 344<br>187, 344 |
| Material Boundary | 49.5, 301<br>180, 301 |
| Material Boundary | 180, 301<br>232, 301 |

**Scenario-based Entities**

| Type | Coordinates (x,y) | Master Scenario | Seismic |
|---|---|---|---|
| Distributed Load | 232, 344<br>187, 344 | Constant DistributionOrientation: Normal to boundaryMagnitude: 150 lbs/ft2Creates Excess Pore Pressure: No | Constant DistributionOrientation: Normal to boundaryMagnitude: 150 lbs/ft2Creates Excess Pore Pressure: No |

## Cross Section HH-HH'

**Shared Entities**

| Type | Coordinates (x,y) |
|---|---|
| External Boundary | 0, 250<br>240, 250<br>240, 301<br>240, 346<br>240, 350<br>240, 356<br>222, 356<br>183, 357.114<br>152, 358<br>143, 360<br>122, 350<br>27.92, 301<br>26, 300<br>0, 292 |
| Material Boundary | 122, 350<br>183, 350<br>240, 350 |
| Material Boundary | 27.92, 301<br>240, 301 |
| Material Boundary | 183, 356<br>183, 350<br>183, 346<br>240, 346 |
| Material Boundary | 183, 356<br>183, 357.114 |

## Cross Section II-II'

**Shared Entities**

| Type | Coordinates (x,y) |
|---|---|
| External Boundary | 0, 260<br>200, 260<br>200, 370<br>200, 380<br>163, 380<br>148, 378<br>140, 376<br>127, 370<br>70, 340<br>45, 330<br>0, 322 |
| Material Boundary | 127, 370<br>200, 370 |

**Scenario-based Entities**

| Type | Coordinates (x,y) | Master Scenario | Seismic |
|---|---|---|---|
| Distributed Load | 200, 380<br>165, 380 | Constant DistributionOrientation: Normal to boundaryMagnitude: 400 lbs/ft2Creates Excess Pore Pressure: No | Constant DistributionOrientation: Normal to boundaryMagnitude: 400 lbs/ft2Creates Excess Pore Pressure: No |

## Cross Section JJ-JJ'

**Shared Entities**

| Type | Coordinates (x,y) |
|---|---|
| External Boundary | 0, 300<br>380, 300<br>380, 371<br>380, 380<br>308, 384<br>260, 386<br>124, 386<br>109, 380<br>86.5, 371<br>84, 370<br>58, 360<br>33, 350<br>12, 342<br>0, 340 |
| Material Boundary | 86.5, 371<br>380, 371 |

**Scenario-based Entities**

| Type | Coordinates (x,y) | Master Scenario | Seismic |
|---|---|---|---|
| Distributed Load | 380, 380<br>308, 384<br>260, 386<br>158, 386 | Constant DistributionOrientation: Normal to boundaryMagnitude: 400 lbs/ft2Creates Excess Pore Pressure: No | Constant DistributionOrientation: Normal to boundaryMagnitude: 400 lbs/ft2Creates Excess Pore Pressure: No |