REPORT

# GEOTECHNICAL EXPLORATION AND RECOMMENDATIONS REPORT

## Proposed Residential and Commercial Development,

## 8150 Sunset Blvd., Los Angeles, California

**Submitted To:** AG SCH 8150
Sunset Boulevard Owner, L.P.
P.O. Box 10506
Beverly Hills, CA 90213

**Submitted By:** Golder Associates Inc.
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**Distribution:** John Irwin, Townscape Partners, LLC
John Tessem, DCI Engineers

**May 18, 2015** **123-92034**

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Mr. John Irwin
AG SCH 8150
Sunset Boulevard Owner, L.P.
P.O. Box 10506
Beverly Hills, CA 90213

**RE: GEOTECHNICAL EXPLORATION AND RECOMMENDATIONS REPORT PROPOSED RESIDENTIAL AND COMMERCIAL DEVELOPMENT, 8150 SUNSET BLVD, LOS ANGELES, CALIFORNIA**

Dear Mr. Irwin:

Golder Associates Inc. (Golder) presents this report containing the results of our geotechnical study for the proposed residential and commercial development to be located at 8150 Sunset Blvd., in the City of Los Angeles, California. This report has been prepared per our proposal dated January 30, 2013 and your authorization to proceed dated February 5, 2013.

Golder's opinion, based on the geotechnical analysis of field and laboratory results, is that the proposed development is feasible from a geotechnical standpoint. Our opinion is conditional upon incorporation of this report's recommendations into the design and construction of the proposed residential and commercial structures. Please refer to Section 7.0 and Appendix D for important information regarding the proper use and interpretation of this report.

Golder has reviewed the laboratory data provided by Hushmand Associates Inc. (HAI) and concurs with the results. Golder accepts responsibility for use of this laboratory data.

Golder appreciates the opportunity to be of service on this important project. If you have any questions, please contact any of the undersigned.

Sincerely,

**GOLDER ASSOCIATES INC.**

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# 1.0 INTRODUCTION

This report presents the results of the geotechnical study performed by Golder Associates Inc. (Golder) for the proposed development to be located at 8150 Sunset Blvd. in Los Angeles, California (the Site). The Site location is shown on Figure 1. This report presents a project description, information on our geotechnical field investigation, laboratory test results, and geotechnical design recommendations for the proposed development.

## 1.1 Site Description

### *1.1.1 Existing Site Conditions*

The Site consists of Lot 1 of Tract No. 31173 in the City of Los Angeles, California and has an area of approximately 2.56 acres. It is bordered to the east by Crescent Heights Blvd., to the north by Sunset Blvd., to the west by Havenhurst Drive, and to the south by two apartment buildings. Havenhurst Drive and Crescent Heights Blvd. slope to the south with an elevation of approximately 405 feet at Sunset Boulevard to an elevation of approximately 385 feet at the southern end of the Site. The boundary that divides the City of Los Angeles and the City of West Hollywood is adjacent to the south east end of the property, and approximately 79 feet north of the south west end.

The Site is currently occupied by a commercial development which includes one two-story stucco building in the northwest corner, and a centrally-located two-story stucco building occupied by multiple retail spaces. The retail structures are at the elevation of Sunset Boulevard. There is an east-west oriented retaining wall under the centrally located two-story building with a height of approximately 20 feet constructed to achieve the grade change from Sunset Boulevard to the southern end of the Site. There is at-grade parking in most of the areas not occupied by buildings, and a parking garage and storage area located below the top floor of the centrally located two-story stucco building. The parking garage and storage area are below grade as compared to Sunset Blvd and at grade as compared to the south end of the Site. The storage area extends from the western half of the centrally located retail spaces towards Sunset Blvd, while the underground parking garage is located underneath the eastern section of the centrally located retail spaces.

## 1.2 Proposed Development

Based on information provided to Golder by Townscape on January 16, 2014, the project consists of demolishing the existing retail buildings and replacing them with a residential and commercial development.

The proposed development consists of a commercial and residential development with one building that has a 9-story portion and a 16-story portion of building. A separate 3-story building is also proposed. The lower two levels will consist of basement levels along Sunset Boulevard and partial basement to the south.

## 1.3 Objective and Scope

The objective of Golder's study was to provide geotechnical recommendations for the design of foundations, earthwork, retaining structures, and pavement for the proposed residential development. Golder's data review, field exploration, sampling, Site characterization, laboratory testing, and engineering design recommendations are provided in the following sections.

# 2.0 GEOTECHNICAL EXPLORATION

## 2.1 Utility Clearance and Data Review

Golder performed a visual reconnaissance of the Site on February 13, 2013 to mark out soil borehole locations to review available subsurface data at the proposed locations. Underground Service Alert of Southern California (Dig Alert) was notified by Golder of the proposed borehole locations as required by law. Golder did not contract the services of any utility location company during this phase of the project.

Appropriate clearances were obtained from The City of Los Angeles, Bureau of Street Lighting through DigAlert prior to the field investigation. Drilling permits were not required by the County of Los Angeles Department of Environmental Health because subsurface exploration depths were above the expected groundwater table.

Geological and geotechnical data available for the region and Site were gathered from the following sources:

- "Surface Fault Rupture Hazard Assessment," report prepared by Golder Associates, dated January 10, 2014
- "Earthquake Zones of Required Investigation, Hollywood Quadrangle," preliminary earthquake fault zones issued for review purposes by the State of California, California Geological Survey, dated January 8, 2014.
- Residential Options conceptual plans for 8150 Sunset Blvd, Los Angeles, California, prepared by Hart Howerton Ltd., dated November 7, 2012.
- "Alta/ACSM Land Title Survey, Townscape Partners, LLC, 8142-8148 Sunset Blvd.," prepared by PSOMAS, dated July 5, 2011.
- "Geologic and Seismic Technical Background Report, City of West Hollywood General Plan Update, West Hollywood, Los Angeles County, California," prepared by KFM Geoscience for the City of West Hollywood, dated March 15, 2010.
- "State of California Seismic Hazard Zones Map, Hollywood Quadrangle," prepared by the State of California Department of Conservation, Division of Mines and Geology, dated March 25, 1999.
- "Soils Engineering Investigation, Proposed Retail and Office Buildings, 8148 through 8150 Sunset Boulevard, Hollywood, California," report prepared by Robert Stone and Associates, dated February 20, 1986.
- "State of California Special Studies Zones Map, Hollywood Quadrangle," prepared by the State of California Department of Conservation, Division of Mines and Geology, dated July 1, 1986. "Report of Geotechnical Investigation, Proposed Sunset / Crescent Heights Hotel, Sunset and Crescent Heights Boulevards, Los Angeles California, for Laurel Avenue Associates," report prepared by Leroy Crandall and Associates, dated July 27, 1984

Based on our preliminary data review and observations, we understand that the geotechnical conditions at the Site include the following:

- The Site is not located within an area mapped as a Liquefaction Hazard Zone by the State of California.
- The Site is not located within an area mapped as a Landslide Hazard Zone by the State of California.
- The January 8, 2014 draft Aquist-Priolo Earthquake Fault Zoning Map released by the State of California (CGS 2014) indicates that the Site is located within the Hollywood fault earthquake fault zone, but the trace of the fault, as mapped by the State of California, is located more than 100 feet northwest of, but not within, the Site.
- A surface fault rupture hazard assessment undertaken by Golder (2014) at the Site showed general continuity of the subsurface stratigraphy, and lack of major discontinuities between geological units beneath the Site. Soils beneath the Site extend through the Holocene and latest Pleistocene Epochs. In addition, a review of relevant data that describe the location and activity of the Hollywood fault indicates that an active fault tectonic geomorphology is not present at the Site.
- The historic high groundwater level is at a depth of over 150 feet. During Golder's (2014) surface fault rupture hazards assessment, groundwater was not encountered to the depths explored of 97 feet at the northwest end, and 155 feet at the southern end of the Site. Groundwater was not encountered during the geotechnical investigations on reports reviewed for the Site and the property at 8000 Sunset Blvd, which advanced boreholes to a depth of 102 feet below ground surface (bgs). Perched or isolated zones of ground water could be present at the Site.

## 2.2 Geotechnical Investigation

The purpose of the geotechnical investigation was to evaluate the subsurface conditions within the proposed project Site in order to determine the engineering characteristics of the underlying soils. The geotechnical investigation consisted of drilling boreholes and advancing cone penetration tests.

### *2.2.1 Boreholes*

The boreholes were drilled on February 23, 2013 and consisted of advancing three boreholes to a total depth of 61.5 feet, and one borehole to a total depth of 76.5 feet below the existing ground surface.

Boreholes were labeled B-101, B-102, B-103, and B-104 (Figure 2). Prior to drilling, the borehole locations were cleared of underground utilities through Underground Service Alert of Southern California, Dig Alert. We did not find groundwater during drilling activities; therefore, drilling permits were not required by the County of Los Angeles Department of Public Health.

The borings were advanced by Martini Drilling Corp. of Huntington Beach, California using a truck-mounted CME-75 hollow-stem auger drill rig. The drill rig was equipped with 5-feet long augers of 7.5-inch outside diameter (O.D.) and 3.5-inch inside diameter (I.D.), and a custom-made 4-claw bit. Samples were obtained using an unlined standard sampler consisting of a 2-inch O.D., and 1.4-inch I.D. split barrel shaft advanced into the soils at the bottom of the boring a total of 18-inches. The standard sampler is used for the Standard Penetration Test (SPT).

A modified California (MC) sampler was also used to obtain samples of the soils encountered. This sampler consisted of a three-inch O.D., 2.4-inch I.D. and 24-inch long split barrel driven a total of 18

inches into the soil at the bottom of the borehole. The sampler was lined with three 2.4-inch diameter brass rings located inside the split barrel shaft which were used to retain soil for laboratory tests as well as visual classification in the field. The borehole records indicate when the MC sampler was used.

Both samplers were driven into the soil using a 140-pound hammer free-falling a vertical distance of 30 inches. The number of hammer blows required to drive the sampler (standard or MC) in three six-inch segments, blow count, were recorded during sampling. The combined blow count for the final two six inch segments with the standard sampler is referred to as the SPT N-value. Sampling procedures employed in the field were generally consistent with those described in ASTM D1586.

Samples were collected at five-foot intervals. Soil collected inside the split barrel shaft was visually classified in the field, placed in sealed plastic bags and stored for future reference and laboratory testing. The boring logs are presented in Appendix A. The soils were described in general accordance with ASTM D2487 and internal Golder procedures. The boundaries between different soil and rock types shown on the logs are approximate because the actual transition between layers may be gradual. All boreholes were completely backfilled with soil cuttings; and asphalt pavement where boreholes were advanced was repaired with cold patch asphalt mix. Remaining soil cuttings were used as bedding soil in planters at the Site. Groundwater was not encountered during drilling to the depths explored.

### *2.2.2 Cone Penetration Test (CPT) Soundings*

CPT soundings were advanced by Kehoe Testing and Engineering of Huntington Beach, California during Golder's site-specific surface fault hazard investigation (Golder 2014) on October 14, 2013 and November, 14, 15, and 18 2013. The CPT's were advanced using a four axle, 30-ton thrust capacity CPT rig. Data was collected in accordance with ASTM D5778 using a standard 15-square-centimeters electronic cone system. Tip resistance and sleeve friction data were recorded continuously at 2.5-centimeters intervals.

The first 5-feet of each CPT location were hand-augured to confirm the absence of utilities. A total of fourteen (14) CPT locations were advanced and labeled CPT-1 through CPT-14 (Figure 3). There were seven soundings in the lower parking lot (CPT-1 through CPT-7) and seven soundings within Havenhurst Drive (CPT-8 through CPT-14). Total depths of CPT soundings ranged from 143 to 185 feet below existing grades. The CPT data graphs are presented in Appendix B.

All CPT soundings were backfilled with bentonite pellets and the upper 6-inches were capped with cold-patch asphalt mix. For the CPT advanced in the city stree, this method of repairing the asphalt was acceptable to the City Inspector due to the limited size of the hole caused by the CPT.

## 2.3 Laboratory Testing

Representative samples retrieved during the field exploration program were evaluated and selected at Golder's Irvine office, and transported to a geotechnical laboratory for testing. The laboratory testing was performed by Hushmand Associates, Inc. (Hushmand) of La Habra, California for the purposes of:

- Substantiating visual field classifications; and
- Providing engineering parameters necessary for geotechnical design.

Laboratory testing consisted of grain size distribution (ASTM D1140 and D422/C 136), water content (D2216), unit weight (D2937), Modified Proctor (D1557), R-value (ASTM D2844), and chemical testing to evaluate the corrosivity of the soils underlying the Site. Results of laboratory testing are presented in Appendix C.

# 3.0 GEOLOGIC CONDITIONS

## 3.1 Regional Geologic Setting

The project Site is located along the northern boundary of the Hollywood basin, and approximately 500 feet away of the southwest end of the Hollywood Hills, which are part of the Santa Monica Mountains, and within the Los Angeles Coastal Plain Hydrologic Unit. The Santa Monica Mountains are located along the southern boundary of the Transverse Ranges Geomorphic Province that is dominated by east-west trending, north-over-south reverse faults. The Santa Monica-Hollywood- Raymond Fault Zone represents the northern structural boundary between the Santa Monica Mountains and the Los Angeles Basin to the south (KFM GeoScience, 2010).

Most of the land along the southern base of the Santa Monica Mountains is underlain by sedimentary rocks from the Paleogene Period from 66 to about 23 million years ago (CDC 1998). The mountains also comprise Cretaceous (145 to 66 million years ago) granodiorite and quartz diorite, which is exposed in the Santa Monica Mountains in the northern part of the map area. Locally, at the surface, the granitic rocks are weathered and erodible.

The Cretaceous granite is overlain unconformably by deep-marine clastic sedimentary rocks of the Cretaceous Tuna Canyon Formation, which consists of interbedded sandstone, siltstone, and pebble-cobble conglomerate. Overlying the Tuna Canyon Formation are the Paleogene (66 to 33 million years ago) non-marine clastic sedimentary rocks (Simi Conglomerate and Las Virgenes Sandstone) and fine-grained marine sandstones of the Santa Susana Formation (Colburn and Novak 1989).

The Paleogene rocks are overlain by alluvial units of varying ages, all within the Quaternary Period. These units consist of alluvial and fan deposits of sand, silt, and clay of the Pleistocene and Holocene Periods (less than 2.6 million years old) that have been deposited on the older alluvial plains by streams draining from the Santa Monica Mountains.

## 3.2 Site Geology and Generalized Subsurface Conditions

The Site is located on alluvial soils derived from the adjacent Santa Monica Mountain range. The alluvial soils are vertically and horizontally discontinuous as a result of periods of stream erosion and subsequent alluvial deposition. The alluvial soils preserve buried soils that represent a hiatus in alluvial deposition. The buried soils are typically reddish brown with higher clay content because of extended exposure at the ground surface. The alluvium and sequences buried soils are thickest along southern City boundary and gradually thin toward the north. The alluvial soils are typically coarser-grained (sandier) near the base of the hills and become finer-grained (silty and clayey) to the south (KMF GeoScience 2010).

Golder's geotechnical exploration confirmed that the area within the Site is underlain by alluvial soils to the depths explored (185 feet below ground surface). These deposits generally consist of a mixture of silt, sand, and/or gravel (Appendix A).

Two subsurface cross sections (A-A' and B-B') were cut through the proposed basement. Section A-A' was oriented north-south and Section B-B' was oriented east-west. The cross sections include the soil profiles from the borehole logs. The cross sections also show the limits of the basement excavation. Figure 4 shows the location of Cross Sections A-A' and B-B'. Figures 5A and 5B present the cross sections.

Artificial fill soils were not encountered in the borings drilled on Site. Grading has been performed in the past at the site and artificial fill is likely present on Site. Specifically, fill is expected to be encountered behind (to the north of) a retaining wall with an east-west orientation in the middle portion of the property, and a height of approximately 18 feet (see Section B-B'). The wall is located under existing site buildings. It is likely the artificial fill is reworked native soils from the southern part of the Site (south of the retaining wall). The proposed development is expected to have two basement levels in the south and three basement levels along Sunset Boulevard. The bottom of the basement level is at approximately Elevation 377.5 feet above mean sea level (amsl). This elevation is approximately 10 feet below ground surface in the southern area of the Site, and approximately 30 feet below ground surface in the northern area of the Site. Therefore, the artificial fill will be removed during construction.

## 3.3 Groundwater

The Site lies in the Hollywood Hydrologic subarea of the Coastal Plain of Los Angeles County. According to the groundwater level contour map prepared by the California Division of Mines and Geology (CDMG, 1998) and presented in the Seismic Hazard Zone Report for the Hollywood 7.5–minute Quadrangle, the historical high groundwater level at the Site is approximately 150 feet below ground surface. Reviews of previous exploration programs show that groundwater has not been encountered in the area at shallow depths; however, perched or isolated zones of groundwater may be present in the Site area. During our surface fault rupture hazard assessment (Golder 2014), groundwater was not encountered.

## 3.4 Potential Geological Hazards

### *3.4.1 Surface Faulting*

Golder (2014) reported the results of a site specific surface fault rupture study to evaluate the presence of any active trace of the Hollywood fault across the Site. This study concluded that there were no active fault traces present at the Site. Accordingly, surface fault rupture is not expected at the Site

### *3.4.2 Landslides and Liquefaction*

According to the CDMG (1998), landslides have not been mapped in or around the vicinity of the Site, and no evidence of landsliding has been observed in this area. However, because the Site is located at the base of the Santa Monica Mountains, under the right geological, geotechnical, and saturation conditions, landslides in the vicinity of the Site are possible.

Liquefaction potential has been thought to be the greatest where the groundwater level is shallow and loose, fine sands occur within a depth of about 50 feet or less of the ground surface. The Site is not located within an area mapped as a liquefaction hazard zone by the California Geological Survey (CDMG, 1998).

# 4.0 GEOTECHNICAL DESIGN RECOMMENDATIONS

## 4.1 Geotechnical Feasibility

Based on the results of the field exploration, laboratory testing, and geotechnical analyses conducted, Golder believes that it is feasible from a geotechnical standpoint to proceed with the proposed development at the Site provided the recommendations presented in this report are incorporated into the project's design and construction.

## 4.2 Seismic Design Considerations

### *4.2.1 General*

The Site is located in the seismically active region of Southern California. The Site is expected to be subjected to seismic hazards during its design life. Potential seismic hazards include strong ground shaking, ground surface rupture due to faulting, liquefaction and seismic settlement, and slope instability. The following sections discuss these potential seismic hazards with respect to the proposed development at the project Site.

### *4.2.2 Ground Shaking*

The bases for the 2013 California Building Code (CBC) seismic design are 5%-damped spectral accelerations for 0.2 seconds ($S_S$) and 1 second ($S_1$) at a rock or very stiff soil site (Site Class B). These 5%-damped spectral accelerations are established for a risk-adjusted Maximum Considered Earthquake ($MCE_R$). Typically, the $MCE_R$ spectral accelerations have a mean return period of 2,475 years (2% probability of being exceeded in 50 years). At some locations, the 2,475-year ground motions are capped by deterministic ground motions. The values for $S_S$ and $S_1$ were determined using the US Seismic Design Maps application (http://earthquake.usgs.gov/designmaps/us/application.php) provided by the United States Geological Survey (USGS). Site coefficients ($F_a$ and $F_v$) were used to scale the spectral accelerations as a function of Site Class to develop a Site-specific, 5%-damped acceleration response spectrum. Table 1 provides the recommended 2013 CBC seismic design parameters for the Site based on the results of Golder's geotechnical exploration and on Section 1613 of the 2013 CBC.

**Table 1: 2013 California Building Code (CBC) Seismic Design Parameters**

| 2013 CBC Seismic Design Parameter | Value |
|---|---|
| Site Class | D |
| 5%-damped, 0.2-sec spectral acceleration ($S_S$) | 2.51 |
| 5%-damped, 1-sec spectral acceleration ($S_1$) | 0.91 |
| Site Class D, 5%-damped , maximum considered earthquake geometric mean ($MCE_M$) peak ground acceleration | 0.96 |
| Site Coefficient, $F_a$ | 1.0 |
| Site Coefficient, $F_v$ | 1.5 |
| Site Coefficient, $F_{pga}$ | 1.0 |

### 4.2.3 Liquefaction Potential and Seismic Settlement

The 2013 CBC requires that liquefaction potential evaluations for soil Site Class D through F be developed based on either a site-specific study taking into account soil amplification effects, or using mapped peak ground accelerations (PGA) adjusted for site effects ($F_{PGA}$), $PGA_{M.}$ The mapped PGA values represent maximum considered earthquake geometric mean ($MCE_G$) peak ground accelerations, rather than risk-targeted values. $F_{PGA}$ and PGA values were determined using tools provided by USGS. Liquefaction potential at the Site was assessed based on procedures presented by Idriss and Boulanger (2009), and Youd et al. (2001). Results from this evaluation indicated that liquefaction is unlikely to occur at the Site.

Seismically-induced settlement at the Site was estimated using the procedure proposed by Tokimatsu and Seed (Tokimatsu and Seed 1984) using an historic ground water level depth at the Site of 150 feet for an **M**6.6 event with a PGA of 0.96g. The total seismic settlement is estimated to be less than one-half of an inch at the Site. A differential settlement equal to one-half of the total settlement should be expected.

### 4.2.4 Other Seismic Considerations

Tsunamis are very large waves in the ocean caused by seismic events, landslides, or volcanic eruptions. Seiches are waves in lakes, bays, or gulfs that result from seismic events, landslides, or atmospheric disturbances. The distance of the project Site from the ocean (approximately 9.5 miles) and other large bodies of water and its elevation of over 420 feet above mean sea level suggest that the probability of experiencing adverse effects from tsunamis and seismic seiches is negligible at the Site.

## 4.3 Foundation Design

### 4.3.1 General

Golder evaluated both shallow and deep foundation systems for the proposed development based on the information obtained from field and laboratory data. The results of this evaluation suggest that the proposed structures may be supported by shallow foundations (spread or strip footings, or mat foundations), or deep foundations (drilled shafts). The final selection of the foundation system in each specific portion of the project will be made by the structural engineer based on the specific design loads

The following sections present Golder's foundation recommendations for the various foundation systems evaluated.

### 4.3.2 Shallow Foundations

#### 4.3.2.1 Allowable Bearing

As discussed in Section 4.3.1, the proposed development will be located entirely in native soil or engineered fill. Therefore, the following design criteria are recommended for the footings:

- Shallow spread footings should have a minimum dimension of 2 feet.
- Shallow continuous footings should have a minimum width of 1.5 feet.
- Locate the bottoms of all footings at least 2 feet below the lowest adjacent grade.
- Individual spread footings should bear on firm, undisturbed native soils or on a minimum of four (4) feet of engineered fill placed in accordance with the recommendations of Section 6.5.
- Design footings bearing on the engineered fill and undisturbed native soils using the maximum static allowable (factor of safety equal to 3.0 in bearing capacity calculations) bearing pressures shown in Tables 2 and 3. The recommended bearing values in Tables 2 and 3 are for equivalent gross loads and may be increased by one-third for wind, seismic, or other transient loading conditions.
- The allowable bearing pressures in Tables 2 and 3 are for a static settlement one inch or less. For the smaller footing, bearing capacity controls the allowable capacity. A differential settlement equal to one-half of the total settlement should be expected. Differential settlements should be reviewed once final building loads and foundation locations and geometry are complete.

**Table 2: Maximum Static Allowable Bearing Pressures for Shallow Footing Foundations**

| Footing Width (feet) | Allowable Bearing Pressure[1] (psf) |
|---|---|
| 2 | 4,600 |
| 5 | 5,200 |
| 10 | 3,550 |
| 15 | 3,050 |
| 20 | 2,850 |

Notes:
[1]Values can be linearly interpolated for intermediate footing widths

**Table 3: Maximum Static Allowable Bearing Pressures Strip Footing Foundations**

| Footing Width (feet)[1] | Allowable Bearing Pressure[2] (psf) |
|---|---|
| 1.5 | 3,300 |
| 5 | 5,150 |
| 10 | 3,500 |
| 15 | 3,000 |

Notes:
[1] Footings are 100 feet long
[2] Values can be linearly interpolated for intermediate footing widths

If larger bearing pressures are required, additional settlements should be expected. Alternatively, an engineering solution could be used to increase the bearing pressure.

For footing founded on compacted fill, the fill beneath the footings shall extend horizontally, beyond the edge of the footing, a distance equal to the depth of compacted fill below the bottom of the footing or a minimum of three feet, whichever is greater. If locations are encountered during

design/construction where this condition cannot be met, the geotechnical engineer shall be notified to perform a location-specific analyses to confirm that the recommended lateral resistance and vertical bearing capacities are applicable.

#### 4.3.2.2 Lateral Resistance

Footing foundations located below grade may derive lateral load resistance from passive resistance along the vertical sides of the foundations, friction acting on the bases of the foundations, or a combination of the two. An allowable (factor of safety equal to 3.0) passive resistance of 180 psf per foot of depth up to a maximum of 2,000 psf may be used for design. An ultimate friction factor of 0.50 between the bases of the concrete foundations and the native alluvial deposits can be used for sliding resistance using the dead load forces. The structural engineer will need to include an appropriate safety factor to comply with building code requirements. The City of Los Angeles requires a minimum factor of safety of 1.5.

The passive resistance and friction factor are based on the native on-site soils. If other soils or borrow material are used, then these values will vary. Friction and passive earth pressure resistance may be combined without reduction provided the passive resistance does not exceed two-thirds of the allowable lateral bearing. Golder recommends that the upper 1 foot of soil cover be neglected in the passive resistance calculations

### *4.3.3 Deep Foundations*

Cast-In-Drilled-Hole (CIDH) piles may be used for the proposed project. The design capacity curves presented herein were developed following the procedures outlined in LRFD for Drilled Shaft Design published by the Federal Highway Administration (FHWA 2010).

#### 4.3.3.1 Axial Capacity

Unfactored axial compressive capacity of drilled piers is presented on Figure 6 for pile diameters of 18, 24, and 30 inches. Curves presented in Figure 6 were developed based on SPT data obtained during Golder's subsurface exploration performed on February 2013 (Appendix A), and CPT data obtained during Golder's surface fault rupture assessment on October 2013 (Appendix B). Figure 6 present the ultimate axial capacity of the piles. The structural engineer will need to include an appropriate safety factor to comply with building code requirements. In developing the design curves presented in Figure 6, the following assumptions were made:

- No permanent casings will be used.
- No drilling fluids will be used. If drilling fluids are used, a one-third reduction in axial and uplift pile capacities is necessary. This reduction of one-third assumes the shaft is excavated and concreted within one work shift (i.e., the holes are not left open overnight).
- All drilled piles are straight-sided and do not have enlarged or belled bases.
- End bearing has been ignored in the unfactored axial capacities. Only side friction has been considered.

The axial capacities presented for CIDH piles correspond to values for individual piles. The settlement of a pile group will be larger than that of an individual pile. Thus, the total axial capacity of a pile group will be less than the sum of the individual pile capacities based upon limiting pile cap deformation. Therefore, the individual pile capacities should be multiplied by a reduction factor when calculating the total axial capacity of the pile group. The following reduction factors, based on the spacing between individual piles in a group, should be applied for preliminary design. For final design, it may be appropriate to refine these factors to account for the number of piles in the pile group.

**Table 4: Axial Load Capacity Reduction Factors for Pile Groups**

| S/D | Reduction Factor |
|---|---|
| 2 | 0.65 |
| 3 | 0.8 |
| 4 | 0.9 |

#### 4.3.3.2 Lateral Resistance

Lateral deflections, moments, and shear for piles can be estimated once load combinations at the pile head are known. Golder can provide these analyses at that time.

### *4.3.4 Slab-on-Grade Floors*

Conventional concrete slab-on-grade floors may be used for the proposed development. It is recommended that the floor slab areas be over-excavated by 2 feet and that the slab-on-grade floors be placed on a minimum of 2 feet of engineered fill to provide a uniform subgrade bearing surface. The engineered fill should be compacted to a minimum of 95 percent of its maximum dry density at a water content within 3 percent of its optimum moisture content, as determined by ASTM D1557.

The modulus of subgrade reaction concept can be used in the design of slabs-on-grade. The modulus of subgrade reaction is not an intrinsic property of the soil/rock since it also depends on the dimensions and stiffness of the slab and the stress level. The modulus of subgrade reaction can be calculated as follows:

$$k = k_1 \left( \frac{B + 1}{2B} \right)^2$$

where:

k = static, vertical modulus of subgrade reaction for the loaded slab;

k1 = static, vertical modulus of subgrade reaction for a 1-foot diameter loaded area;

B = effective diameter of the slab's reaction area (in feet), given by the following equation:

$$B = \frac{4h}{\pi} \left( \frac{E}{E_S} \right)^{0.33}$$

h = slab thickness (in feet);

E = elastic modulus of concrete slab; and

$E_S$ = elastic modulus of subgrade soil.

It is anticipated that the native alluvium to be over-excavated from within the building footprint and the surrounding areas will be used as engineered fill under the slabs-on-grade. These soils consist mostly of silty sands. Therefore, Golder recommends that a $k_1$ of 240 kips per cubic foot (kcf) and a $E_S$ of 250 kips per square foot (ksf) be used to evaluate the modulus of subgrade reaction for the slab-on-grade floors.

## 4.4 Discussion of Foundation Recommendations

The average SPT N-values below the base of the foundation is 15. The soils below the foundation are medium dense. The loose soils above the foundation elevation will be removed. There are numerous correlations available in the literature that has been successfully used to estimate the properties of granular soils since the 1960s. The methods used to calculate the bearing capacities are summarized below:

- Ultimate bearing capacity calculated using bearing capacity formula for soil with a friction angle of 32 degrees and cohesion of 0.
- Allowable bearing capacity calculated using Terzaghi's bearing capacity equation applying a factor-of-safety of 3 to the ultimate bearing capacity calculated.
- Allowable bearing capacity to limit total settlement to 1 inch calculated using method by Burland and Burbridge assuming an SPT blow count of 15 below the proposed foundation (bottom of basement at approximate Elevation 365 feet amsl).
- Ultimate pile capacities based on skin friction were calculated using the CPT and SPT data collected in the field. CPT-based capacities were calculated using the LCPC method (Bustamante and Gianeselli, 1982) while the SPT-based capacities were calculated using the FHWA design method (FHWA 2010).

## 4.5 Lateral Earth Pressures for Retaining Walls

Active earth pressures may be used for retaining walls that are free to rotate at least 0.1 percent of the wall height. The active earth pressures can be computed using an equivalent fluid weight of 32 pounds per cubic foot (pcf). Retaining walls restrained against rotation should be designed for the higher at-rest earth pressure conditions. For design purposes, the at-rest earth pressure exerted on retaining walls can be taken as that exerted by an equivalent fluid having a unit weight of 57pcf. These recommended values do not include compaction-, truck-, or building-induced wall pressures or water pressures (see below). Additional loads on retaining walls may be imposed by surcharges. Golder should be contacted when development plans are finalized for review of wall, backfill, and surcharge conditions on a case-by-case basis. It should be noted that the above lateral earth pressure recommendations assume that the retained fill will be granular soils obtained from processing the native soils at the Site.

Care must be taken during compaction operations not to overstress the retaining wall. Heavy construction equipment should be kept at least 3 feet away from the wall while the backfill soils are being placed. Hand-operated compaction equipment should be used to compact the backfill soils within the 3-foot-wide

zone adjacent to the walls. Soil at the toes of retaining walls should be in place and compacted prior to backfilling behind the walls.

Under earthquake loading, basement retaining walls will be subjected to an additional lateral force equal to $30H^2$ pounds per linear foot of wall, where H is the height of the wall in units of feet. This force should be applied at a point located 0.6H above the base of the wall and it acts in addition to the static lateral pressures discussed above.

The recommended lateral earth pressures provided herein assume that adequate drainage is provided behind the walls to prevent the buildup of hydrostatic pressures. Walls should be provided with backdrains to prevent the buildup of hydrostatic pressure behind the walls. Backdrains could consist of a 2-foot wide zone of Caltrans Class 2 permeable material located immediately behind the wall and extending to within 1 foot of the ground surface. A perforated pipe could be installed at the base of the backdrain and sloped to discharge to a suitable collection point. Alternatively, commercially available synthetic drainage layers could be used for drainage of the wall backfill. The synthetic manufacturer's recommendations should be followed in the installation of synthetic drainage layers or backdrains. Additionally, waterproofing of basement walls may be desirable to prevent moisture intrusion and water seepage through the walls due to perched water tables of lateral migration of subsurface water from the landscaped areas or adjacent properties or streets. However, waterproofing is not required if the owner is willing to accept water staining of the basement walls and minor seepage through the basement walls.

## 4.6 Soil Corrosivity

Golder performed laboratory testing to evaluate soil corrosivity at the Site, and reviewed the results of laboratory tests performed by HDR Schiff of Claremont, CA (Appendix C). Golder tested a sample retrieved from 11.5 to 15 feet bgs in boring B-101 for soil pH, sulfate content, chloride content, and electrical resistivity. The test results were as follows:

- Minimum Soil Resistivity – 18,330 ohm-cm
- Sulfate Content – 8.3 mg/kg
- Chloride Content – 2.7 mg/kg
- pH – 8.0

Based on Caltrans' corrosion guidelines (Caltrans 2012) and Golder's experience with the underlying materials in the vicinity of the project Site, the on-site soils at shallow depths are expected to be to be non-corrosive to buried metallic structures such as ductile iron pipes. If the proposed development includes buried metallic structures that will require protection, then Golder recommends that a specialist corrosion engineer be retained to evaluate the general corrosion potential with respect to construction materials at the Site.

The soils in the area are alluvial fans from the Santa Monica Mountains. In this area, the Santa Monica Mountains are composed of sedimentary rock of marine origin. Marine sediments often contain sulfates

and Type II cement provides a moderate amount of protection against sulfates. Because the soils at the Site have been repeatedly infiltrated by fresh water, some of the sulfates in the upper soils would have been leached out. Due to the horizontal and vertical variability of the on-site soils, this leaching would not occur evenly across the Site and there could be an accumulation of sulfates at depth. Thus, some of the on-site soils may be moderately corrosive to concrete, and Type II cement should be used at the project Site for concrete elements in contact with earth materials.

## 4.7 Pavements

### *4.7.1 General Pavement Recommendations*

Laboratory testing on soil samples for pavement design (Appendix C) was performed a sample retrieved from 26.5 to 30 feet bgs in boring B-101, and from 21.5 to 25 feet bgs in boring B-104 by Labelle Marvin, Inc. (Labelle Marvin) of Santa Ana, California. Results from laboratory testing indicate the minimum R-value corresponding to the tested samples is 63. The flexible pavement recommendations provided below are based on this R-Value.

Subgrade drainage is an important factor that enhances pavement performance. Subgrade surfaces below the pavement structural sections should be sloped to direct runoff to suitable collection points and to prevent ponding. Concrete curbs separating pavement from landscape or exposed earth areas should extend at least 6 inches below subgrade surfaces to reduce the potential for the movement of moisture through the aggregate base-course layers.

The recommended pavement sections described in Sections 4.6.2 and 4.6.3 are preliminary. The actual soils present at subgrade elevation after grading may be different than those assumed for the preliminary design contained herein. Golder recommends that the subgrade soils be observed after grading is completed and that the actual subgrade materials be sampled and a tested. Final pavement design recommendations may be presented after the observation and R-value testing is reviewed.

### *4.7.2 Flexible Asphalt Pavements*

By assuming the traffic index (TI) values shown below, a 20-year design life and based on the Caltrans Highway Design Manual (Caltrans, 2012), Golder has developed the following recommendations for preliminary flexible pavement design:

**Table 5: Preliminary Flexible Pavement Design Sections**

| Traffic Index | Asphalt Concrete Thickness (inches) | Class II Aggregate Base Thickness (inches) |
|---|---|---|
| 5.0 | 3.0 | 2.5 |
| 5.5 | 3.0 | 3.0 |
| 6.0 | 3.5 | 3.0 |
| 6.5 | 3.5 | 3.5 |
| 7.0 | 4.0 | 3.5 |

The asphalt concrete thickness can be divided into base and finish courses. The uppermost 6 inches of subgrade and the Class II aggregate base should be compacted to at least 95 percent of the maximum dry density. Pavement section thicknesses will increase for areas of heavy vehicular use and for areas where larger wheel loads are anticipated.

### *4.7.3 Rigid Concrete Pavements*

Concrete pavements may be desirable in certain areas where heavy equipment may induce large pavement loads. A simplified rigid pavement analysis was performed in general accordance with Caltrans Highway Design Manual (Caltrans, 2012). The simplified analysis indicates that 9 inch thickness of Jointed Plain Concrete Pavement is sufficient for Traffic Indexes less than 9. The thickness corresponds to a 28-day concrete modulus of rupture of 625 pounds per square inch (psi) and a pavement design life of 20 years. The transverse joints in the pavement should be spaced 15 feet apart or less (Table 6).

**Table 6: Rigid Pavement Structural Depth**

| TI | With Lateral Support (in) | | Without Lateral Support (in) | |
|---|---|---|---|---|
| | JPCP[1] | AB[2] | JPCP[1] | AB[2] |
| < 9 | 8.5 | 6 | 9 | 6 |
| 9.5 to 10 | 9 | 7.5 | 10 | 12 |

Notes:
[1] JPCP Jointed plain concrete pavement
[2] AB Aggregate base

# 5.0 CONSTRUCTION CONSIDERATIONS

## 5.1 Existence of Unsuitable Soils

Expansive or collapsible soils were not encountered during the field exploration. If these are encountered in the construction phase, then proper mitigation measures should be designed and implemented.

## 5.2 Site Preparation

Site preparation and earthwork operations should be performed in accordance with all applicable codes. In this report, all references to maximum dry density and optimum moisture content refer to those values obtained in accordance with ASTM D1557 (“Modified Proctor” compaction test).

Existing debris and obstructions should be removed from within the building footprint and all areas to be graded. Additionally, any existing underground structures such as abandoned pipelines should be completely removed from areas underlying the building footprint. After removal of these items, exposed deleterious, vegetative, inert, and oversized materials (materials greater than 8 inches in maximum dimension) should be stripped and isolated prior to removal of reusable soils. The soils exposed in excavation subgrades should be observed by a Golder representative to confirm that these soils have the desired engineering properties. Additional removals may be required as a result of observation and testing of the exposed subgrade soils.

Prior to placement of the first lift of engineered fill, the upper 8 inches of the exposed subgrade should be brought to within 3 percent of its optimum moisture content and compacted to a minimum of 90 percent (95 percent within the building footprint plus a horizontal distance equal to the depth of removal beyond the edge of the foundation) of its maximum dry density as determined by ASTM D1557 to provide a uniform bearing surface.

If the subsurface conditions exposed during grading operations vary from those described in this report, Golder should be notified immediately and a revision of the recommendations contained herein may be necessary.

## 5.3 Excavations

The borings performed at the Site were advanced using a track-mounted hollow stem auger drill rig. Drilling was completed with low effort through the existing native alluvium. Therefore, conventional earth moving equipment will be capable of performing a portion of the excavations required for the development. All surface water should be diverted away from excavations.

## 5.4 Engineered Fill

Golder anticipates that the majority of the existing on-site native soils may be reusable as engineered fill. Particles greater than 8 inches in maximum dimension should be removed or crushed and any vegetative,

expansive, and deleterious material and debris should also be removed. Engineered fill should be placed in lifts no greater than 10 inches thick (loose measurement) and should be compacted to:

- At least 95 percent of its ASTM D1557 maximum dry density in areas underlying slabs-on-grade or spread footings, and adjacent to any type of structures.
- At least 90 percent of its ASTM D1557 maximum dry density elsewhere.

Existing on-site soils used as engineered fill should be placed at a water content that is within 3 percent of their optimum moisture content, as evaluated from ASTM D1557.

No backfill shall be placed around concrete until all forms and shoring have been removed, and the concrete has cured sufficiently to withstand the loading incurred due to backfill.

Imported materials to be used as engineered fill, if required, should have the following characteristics:

- Uniformly-graded with no less than 70 percent passing the ¾-inch sieve and no greater than 30 percent of the particles passing the U.S. No. 200 sieve.
- Have no particles greater than 6 inches in maximum dimension.
- The percent passing the #40 sieve should have a plasticity index less than 15.
- Non-corrosive to buried concrete and metallic structures.

If the imported materials deviate from the above-listed properties, then special earthwork recommendations may be required.

## 5.5 Utility Trenches

Shallow, temporary utility trench excavations may be required for installation of new utility lines. If steep or vertical-sided excavations deeper than 4 feet are necessary, Golder recommends that the sidewalls be braced and shored in accordance with Cal/OSHA standards and all other applicable safety ordinances and codes to provide temporary trench stability during construction. The contractor should be responsible for the structural design and safety of the temporary shoring system and it is recommended that this design be submitted to Golder for review and approval.

Due to the potential for local trench wall instability, Golder recommends that temporary cut slopes needed to achieve the proposed subgrade elevations be constructed at inclinations no steeper than 2H:1V in the native or fill soils. Heavy construction loads, such as those resulting from material stockpiles or heavy machinery, should be set back from the top of an excavation a minimum distance equal to the depth of the excavation unless the excavation is specifically designed by a qualified professional to accommodate these additional surcharge loads. All surface water should be diverted away from excavations.

## 6.0 ADDITIONAL SERVICES

Golder should review the project's construction documents before they are finalized. This review is necessary to verify that the geotechnical recommendations contained in this report have been properly interpreted and implemented into the project's design. If Golder does not perform this review, then Golder can assume no responsibility for misinterpretation of the geotechnical recommendations provided herein.

The construction process is an integral design component with respect to the geotechnical aspects of a project. Geotechnical engineering is not an exact science because of the variability of natural processes. Only a very small portion of the soils that will affect the performance of the proposed project has been sampled, observed, and tested. Unanticipated or changed conditions can occur during grading and excavating (Appendix D). Proper geotechnical observation and testing during construction is necessary to allow the geotechnical engineer the opportunity to verify design assumptions. Therefore, Golder should be retained during Site grading and construction to observe compliance with the design concepts and geotechnical recommendations contained herein. Golder can recommend design changes if subsurface conditions or methods of construction differ from those assumed in this report.

## 7.0 LIMITATIONS

This report has been prepared for the proposed development at the 8150 Sunset Boulevard project in the City of Los Angeles, California. The findings, conclusions, and recommendations presented in this report were prepared in a manner consistent with the level of care and skill ordinarily exercised by other members of the geotechnical engineering profession currently practicing under similar conditions subject to the time limits and financial, physical, and other constraints applicable to the scope of work. No warranty, express or implied, is made Appendix D contain further information regarding the proper use and interpretation of this geotechnical report.

The Owner has the responsibility to see that all parties to the project, including the designer, contractor, subcontractors, etc., are made aware of this report in its entirety. This report contains information that may be useful in the preparation of contract specifications and contractor cost estimates. However, this report is not written as a specification document and may not contain sufficient information for this use without proper modification.

## 8.0 REFERENCES

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# FIGURES

Drawing file: Figure 1.dwg Mar 25, 2014 – 5:06pm

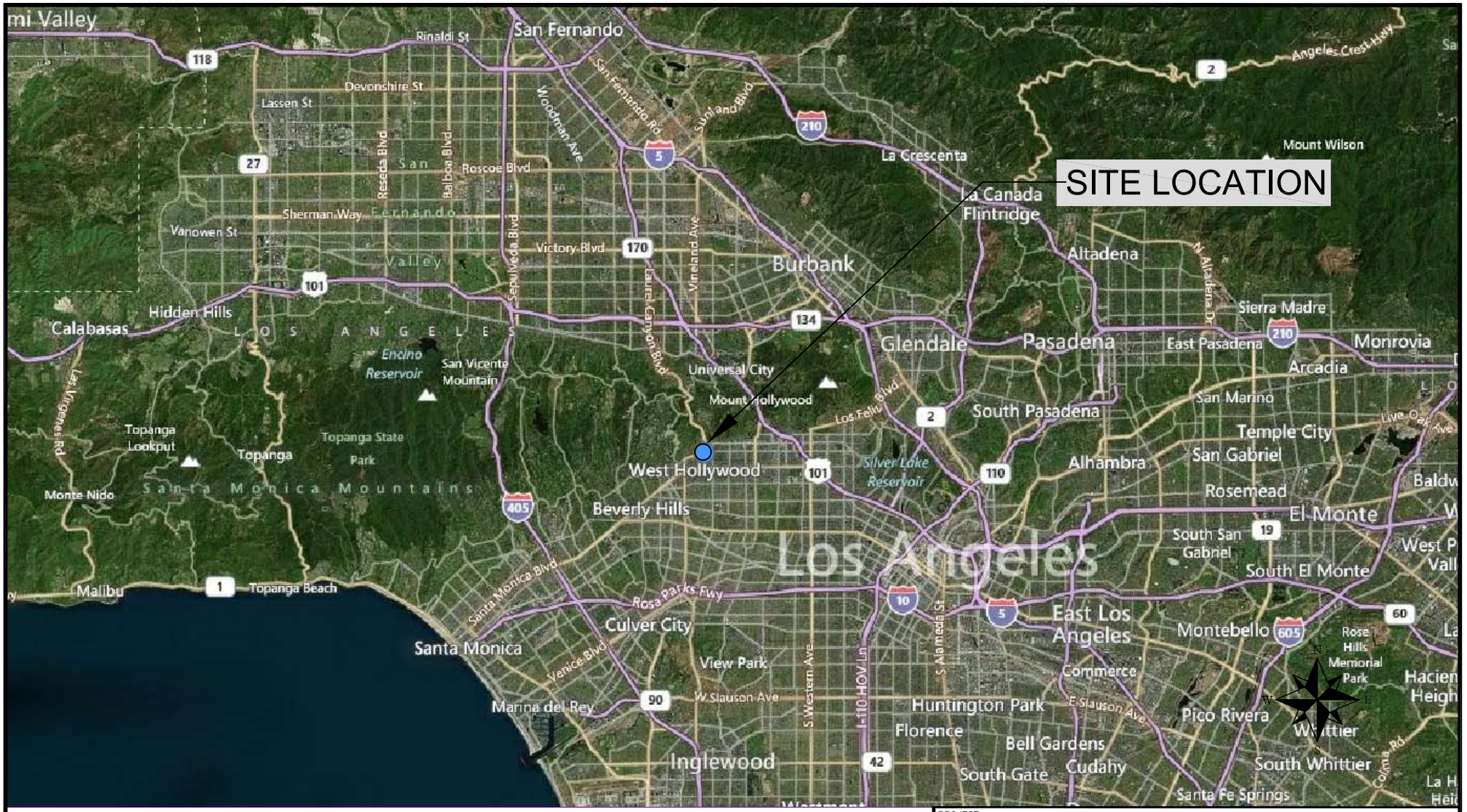



IMAGE SOURCE: GOOGLE EARTH

LEGEND

- PROJECT SITE

PROJECT

8150 SUNSET BOULEVARD
LOS ANGELES, CA 90046

TITLE

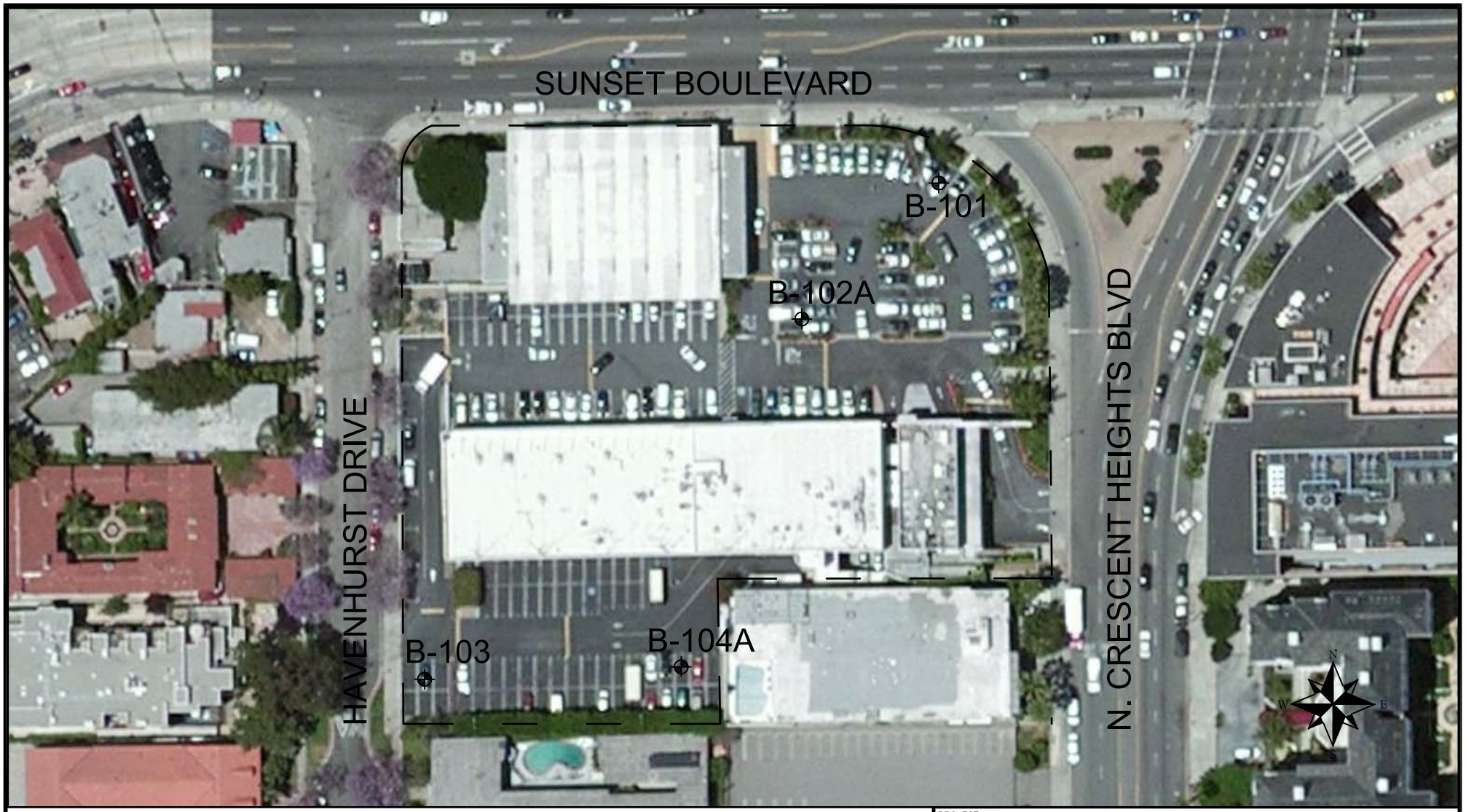
**SITE LOCATION MAP**

Golder Associates

| | | | | |
|---|---|---|---|---|
| PROJECT No. | | 123-92034 | FILE No. | FIGURE 1.DWG |
| DESIGN | LG | 03/2014 | SCALE NTS | REV. 2 |
| CADD | LG | 03/2014 | | |
| CHECK | JB | 03/2014 | | |
| REVIEW | AW | 03/2014 | | |

**FIG. 1**

Drawing file: Figure 2.dwg Mar 25, 2014 – 10:50pm




LEGEND

- BOREHOLE
- – – SITE BOUNDARY

IMAGE SOURCE: BING MAPS

PROJECT

8150 SUNSET BOULEVARD
LOS ANGELES, CA 90046

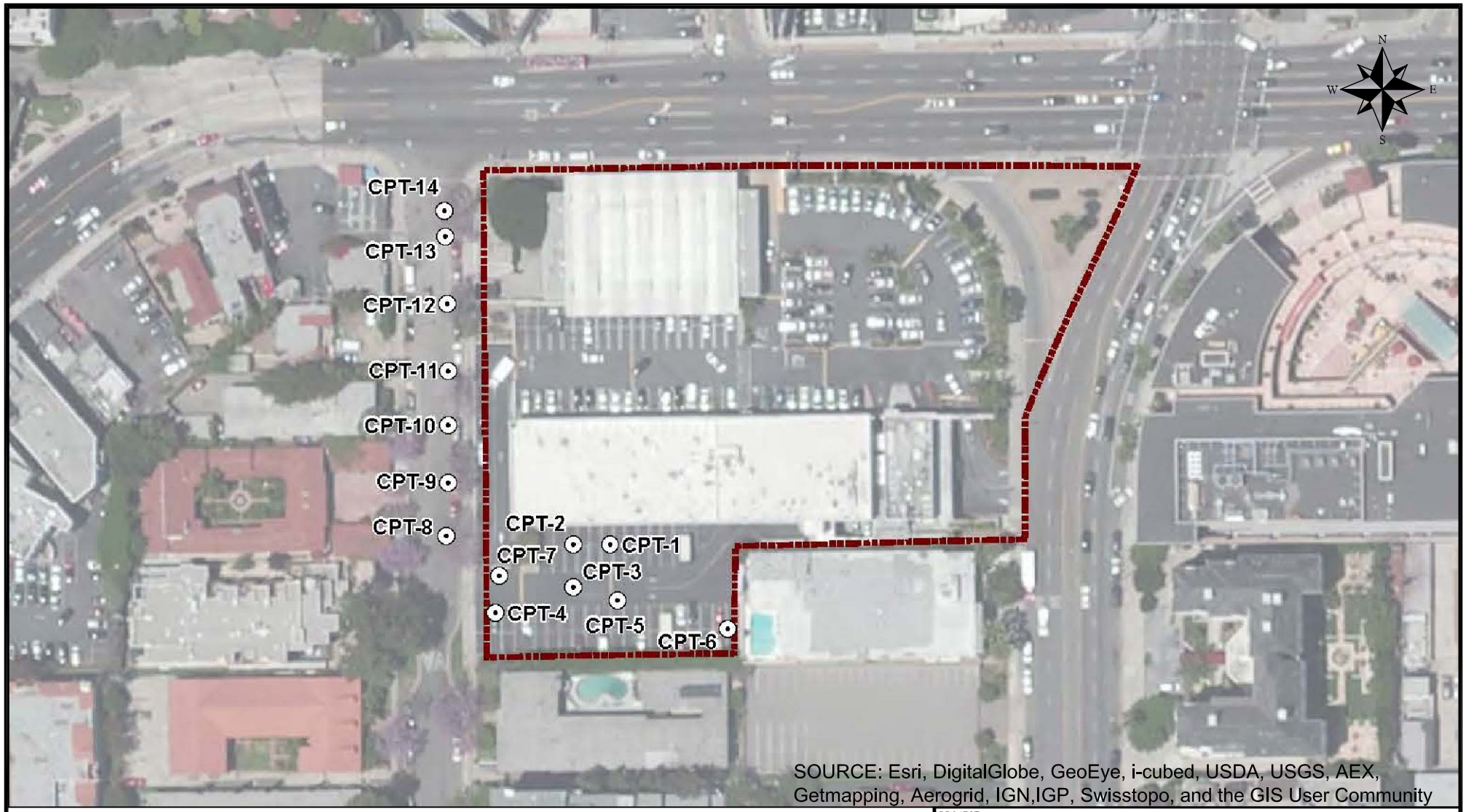
TITLE

**BOREHOLE LOCATION MAP**

Golder Associates

| | | | | | |
|---|---|---|---|---|---|
| PROJECT No. | | 123–92034 | FILE No. | FIGURE 2.DWG | |
| DESIGN | LG | 03/2014 | SCALE | NTS | REV. 2 |
| CADD | LG | 03/2014 | **FIG. 2** | | |
| CHECK | JB | 03/2014 | | | |
| REVIEW | | | | | |

Drawing file: Figure 3.dwg Mar 25, 2014 – 5:04pm




LEGEND

⊙ CPT LOCATION

▪▪▪▪ SITE BOUNDARY

PROJECT

8150 SUNSET BOULEVARD
LOS ANGELES, CA 90046

TITLE

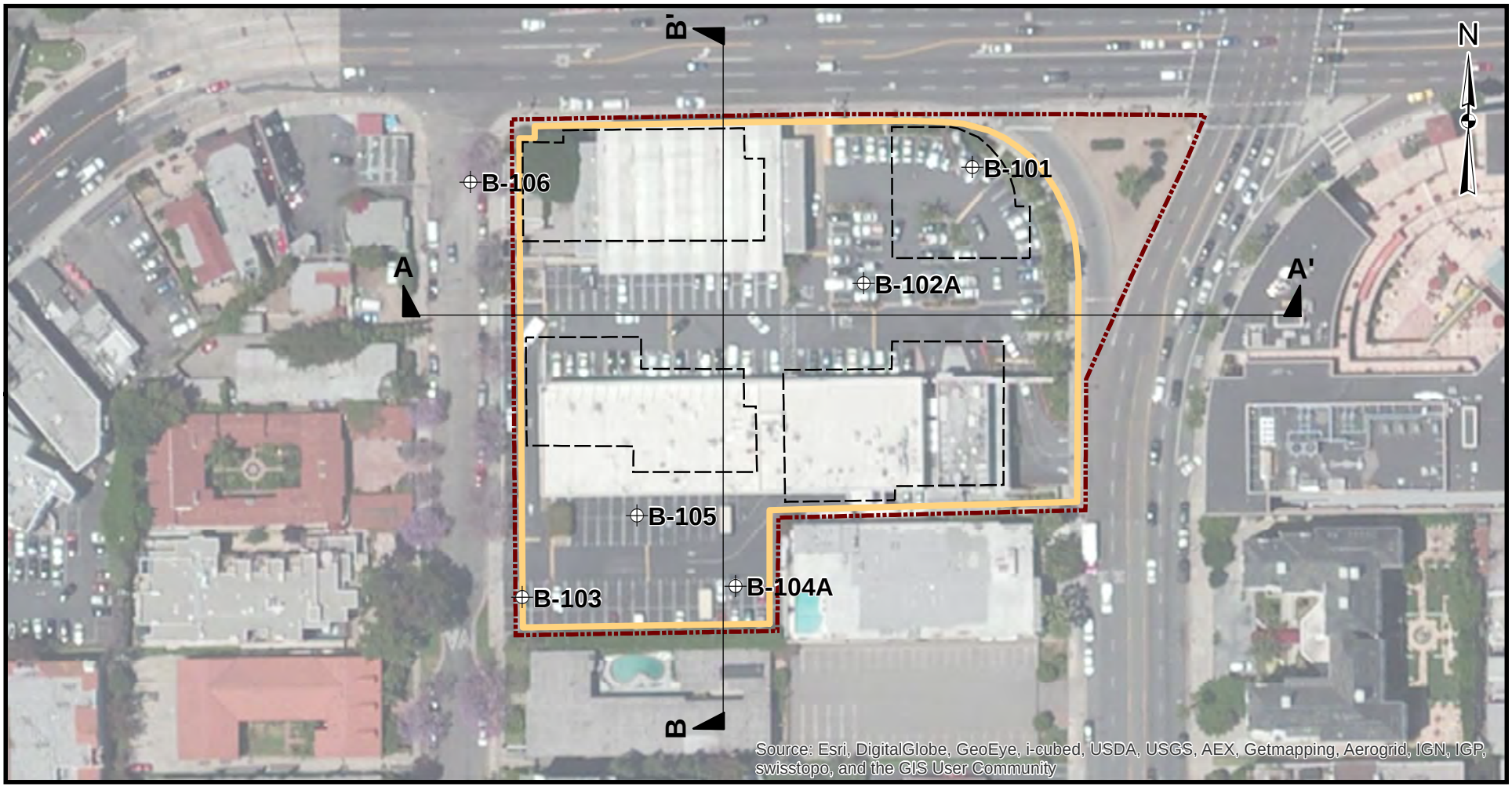
**CPT LOCATION MAP**

Golder Associates

| | | | | | |
|---|---|---|---|---|---|
| PROJECT No. | | 123-92034 | FILE No. | FIGURE 3.DWG | |
| DESIGN | KK | 03/2014 | SCALE | NTS | REV. 2 |
| CADD | CV | 03/2014 | | | |
| CHECK | JB | 03/2014 | | | |
| REVIEW | | | | | |

**FIG. 3**

M:\Projects\123 Jobs\123-92034 Townscape Sunset\99_PROJECTS\GetechnicalReport\02_PRODUCTION\Boring Location figure.mxd, 5/19/2015, 09:49 AM by kkavli




## LEGEND

- SITE BOUNDARY
- BOREHOLE
- APPROXIMATE LIMITS OF BASEMENT EXCAVATION FOR PROPOSED DEVELOPMENT
- APPROXIMATE LOCATION OF PROPOSED BUILDINGS

100 0 100 Feet

30 0 30 Meters

## REFERENCES

1. COORDINATE SYSTEM: NAD 1983 StatePlane California V FIPS 0405 Feet
2. Imagery provided by ESRI online mapping service.

PROJECT

8150 SUNSET BLVD.
CITY OF LOS ANGELES, CALIFORNIA

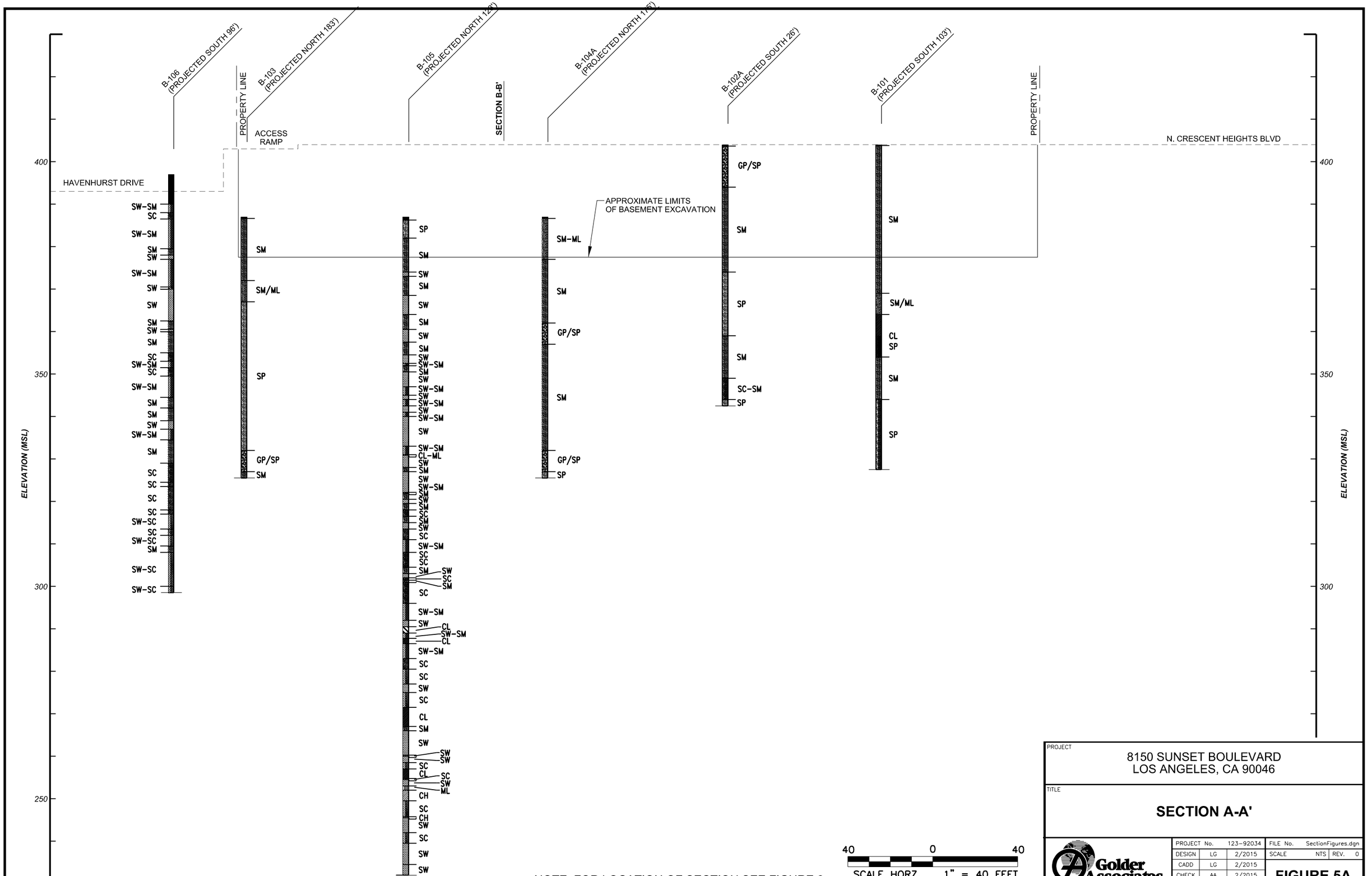
TITLE

# BOREHOLE AND CROSS SECTION LOCATIONS

Golder Associates

| PROJECT NO. 123-92034.02 | | | FILE No. Boring Location figure.mxd | |
|---|---|---|---|---|
| DESIGN | DL | 12/18/2013 | SCALE: AS SHOWN | REV. 0 |
| GIS | KJK | 5/19/2015 | | |
| CHECK | DL | 12/20/2013 | | |
| REVIEW | JB | 12/20/2013 | | |

**FIGURE 4**




NOTE: FOR LOCATION OF SECTION SEE FIGURE 2.

40 0 40

SCALE HORZ. 1" = 40 FEET
SCALE VERT. 1" = 20 FEET

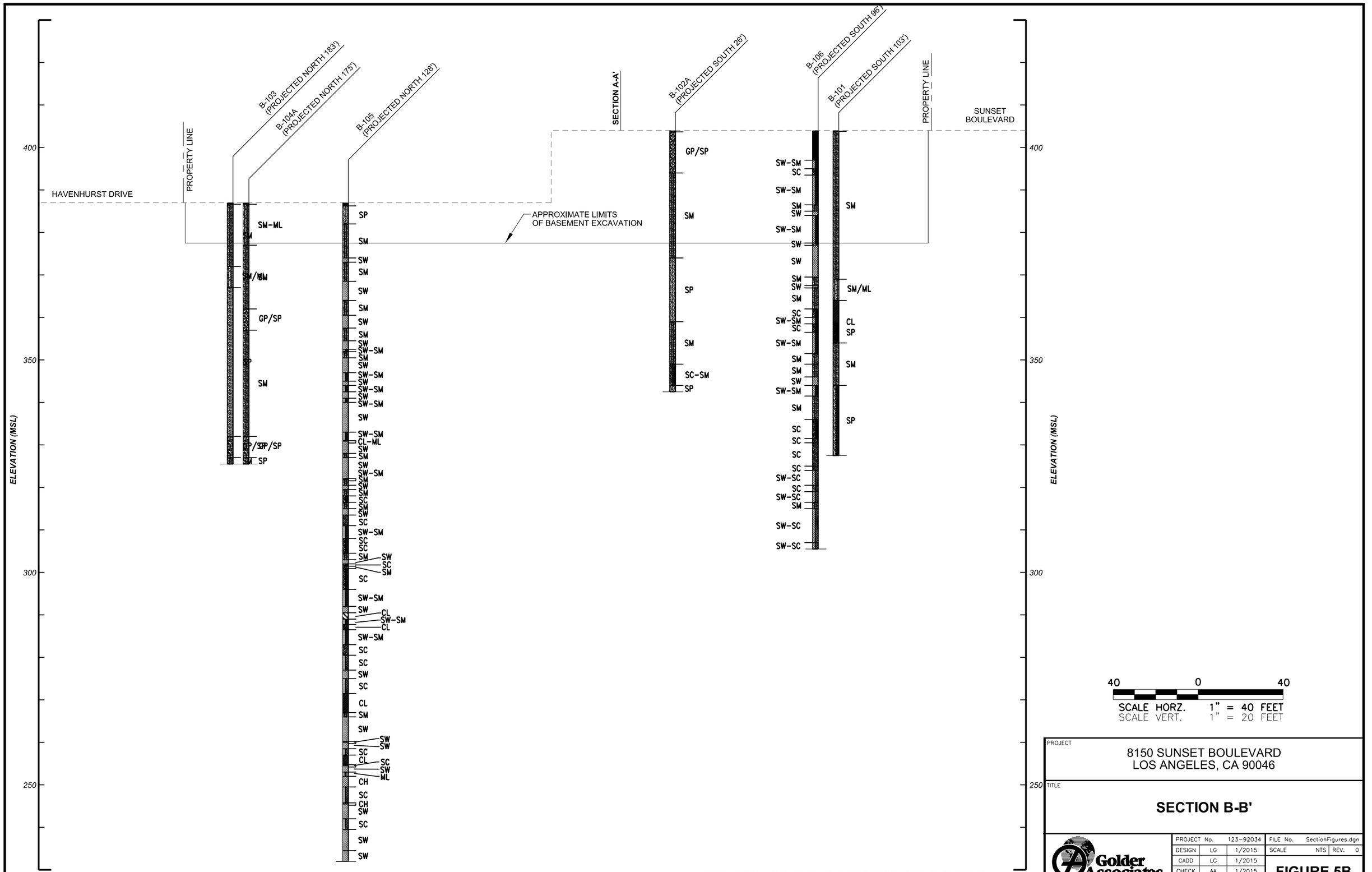
PROJECT
8150 SUNSET BOULEVARD
LOS ANGELES, CA 90046

TITLE
**SECTION A-A'**

Golder Associates

| | | | | | |
|---|---|---|---|---|---|
| PROJECT No. | | 123-92034 | FILE No. | SectionFigures.dgn | |
| DESIGN | LG | 2/2015 | SCALE | NTS | REV. 0 |
| CADD | LG | 2/2015 | | | |
| CHECK | AA | 2/2015 | | | |
| REVIEW | | | | | |

**FIGURE 5A**




NOTE: FOR LOCATION OF SECTION SEE FIGURE 2.

40 0 40

SCALE HORZ. 1" = 40 FEET
SCALE VERT. 1" = 20 FEET

PROJECT

8150 SUNSET BOULEVARD
LOS ANGELES, CA 90046

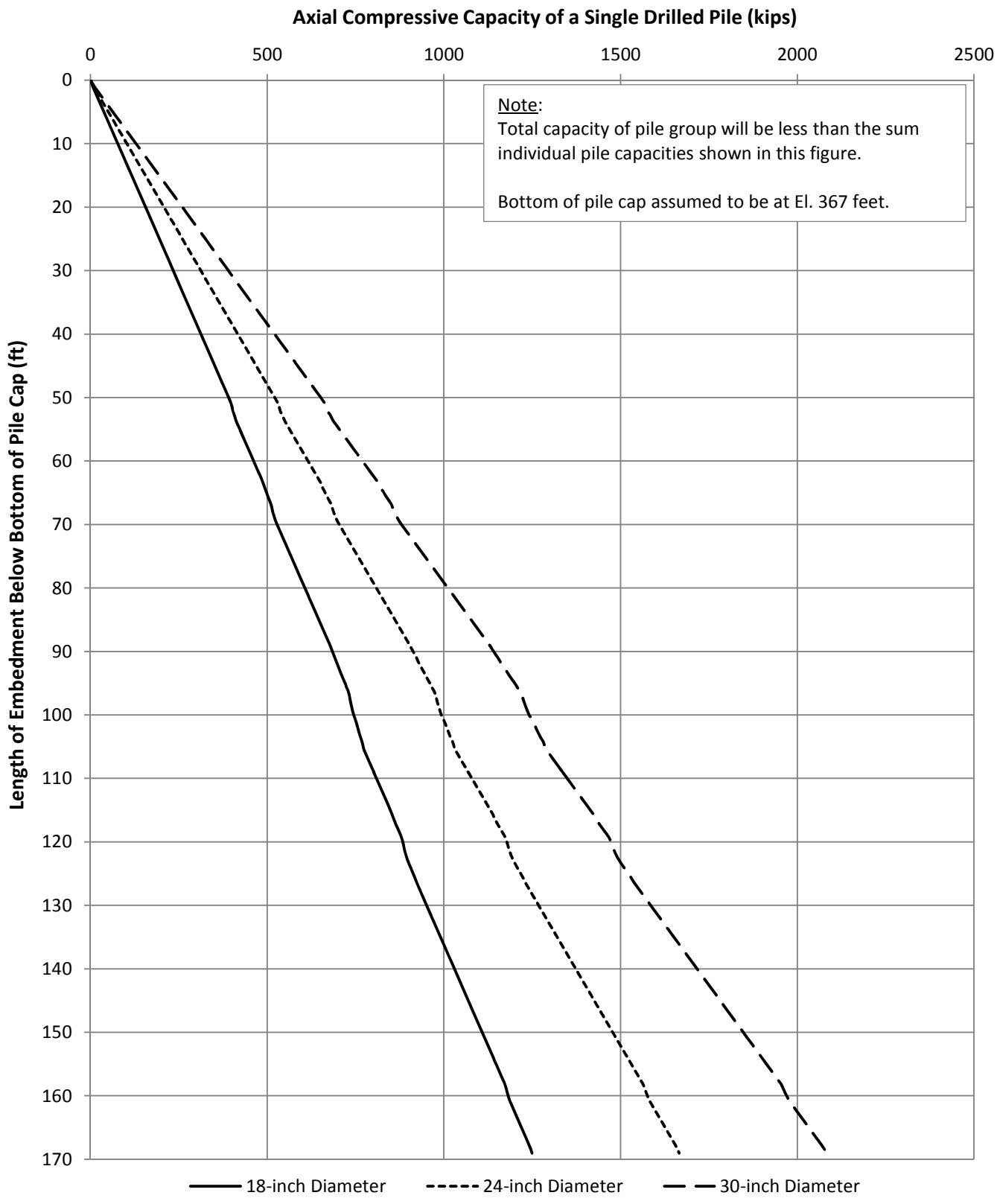
TITLE

**SECTION B-B'**

Golder Associates

| | | | | | |
|---|---|---|---|---|---|
| PROJECT No. | | 123-92034 | FILE No. | SectionFigures.dgn | |
| DESIGN | LG | 1/2015 | SCALE | NTS | REV. 0 |
| CADD | LG | 1/2015 | | | |
| CHECK | AA | 1/2015 | | | |
| REVIEW | | | | | |

**FIGURE 5B**




PROJECT

8150 SUNSET BOULEVARD
LOS ANGELES, CA 90046

TITLE

**UNFACTORED AXIAL CIDH PILE CAPACITY**

Golder Associates

| | | | | | |
|---|---|---|---|---|---|
| PROJECT No. | | 123-92034 | FILE No. | | |
| DESIGN | CV | 3/25/2014 | SCALE | AS SHOWN | REV. 2 |
| DRAWN | CV | 3/25/2014 | | | |
| CHECK | JB | 3/25/2014 | | | |
| REVIEW | AW | 3/25/2014 | | | |

**FIG. 6**

3/25/14 9:55 PM

**APPENDIX A**
**BOREHOLE REPORTS**

# REPORT OF BOREHOLE: B-101

CLIENT: AG-SCH 8150 Sunset Boulevard
PROJECT: Townscape Sunset
LOCATION: Los Angeles, CA
PROJECT NO.: 123-92034

DRIVE WEIGHT: 140 lbs.
DROP DISTANCE: 30 in.
N: E:
ELEVATION: DATUM:
INCLINATION: -90°
BOREHOLE DIAMETER: 8 inches

SHEET: 1 OF 4
DRILLER: Martini Drilling Corp.
DRILL RIG: CME-75
LOGGED: C. Valenzuela DATE: 2/23/13
CHECKED: J. Bueno DATE: 2/23/13

| Drilling | | | | | Sampling | | | Material Description | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| METHOD | DRILL DATE/ TIME | WATER | DEPTH feet | LAYER ELEVATION | SAMPLE OR FIELD TEST | SAMPLE TYPE | BLOWS PER 6 INCHES | GRAPHIC LOG | USCS | (SYMBOL) SOIL NAME, particle size, gradation, shape, minor components; color, contamination; behaviour, moisure, density/consistency | MOISTURE | DRY DENSITY (pcf) | ADDITIONAL LAB TESTING | |
| 8-INCH HOLLOW STEM AUGER | | | 0 | | | | | | SM | 2.5-inch asphalt pavement.<br>SILTY SAND, coarse grained, poorly graded, subangular to subrounded; non-plastic; brown; non-cohesive; moist; loose to compact. | | | | |
| | | | 5 | | S-1 | | 1<br>3<br>4 | | | | | | | |
| | | | 10 | | S-2 | | 2<br>4<br>7 | | | Increased fines content. | | | | |
| | | | | | Bulk 1 | | | | | | | | | |
| | | | 15 | | S-3 | | 3<br>5<br>6 | | | Mostly coarse grained sand, traces of fine gravel. | | | | |
| | | | 20 | | S-4 | | 4<br>6<br>7 | | | | | | | |
| | | | 25 | | | | | | | | | | | |

Report of borehole must be read in conjunction with accompanying notes and abbreviations

GEOTECH WITH MATERIAL GRAPHICS AND USCS TOWNSCAPE SUNSET.GPJ GINT STD US LAB.GDT 5/23/13

# REPORT OF BOREHOLE: B-101

CLIENT: AG-SCH 8150 Sunset Boulevard
PROJECT: Townscape Sunset
LOCATION: Los Angeles, CA
PROJECT NO.: 123-92034

DRIVE WEIGHT: 140 lbs.
DROP DISTANCE: 30 in.
N: E:
ELEVATION: DATUM:
INCLINATION: -90°
BOREHOLE DIAMETER: 8 inches

SHEET: 2 OF 4
DRILLER: Martini Drilling Corp.
DRILL RIG: CME-75
LOGGED: C. Valenzuela DATE: 2/23/13
CHECKED: J. Bueno DATE: 2/23/13

| Drilling | | | | | Sampling | | | Material Description | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| METHOD | DRILL DATE/ TIME | WATER | DEPTH feet | LAYER ELEVATION | SAMPLE OR FIELD TEST | SAMPLE TYPE | BLOWS PER 6 INCHES | GRAPHIC LOG | USCS | (SYMBOL) SOIL NAME, particle size, gradation, shape, minor components; color, contamination; behaviour, moisure, density/consistency | MOISTURE | DRY DENSITY (pcf) | ADDITIONAL LAB TESTING | |
| 8-INCH HOLLOW STEM AUGER | | | 25 | | S-5 | | 4<br>5<br>7 | | SM | SILTY SAND, coarse grained, poorly graded, subangular to subrounded; non-plastic; brown; non-cohesive; moist; loose to compact. *(continued)* | | | | |
| | | | | | Bulk 2 | | | | | | | | | |
| | | | 30 | | MC-1 | | 5<br>11<br>14 | | | | | | | |
| | | | 35 | 35.0 | S-7 | | 3<br>5<br>5 | | SM<br>ML | SILTY SAND/SANDY SILT, fine grained sand, traces of coarse grained sand, subangular to subrounded; non-plastic; brown; non-cohesive; moist; loose to compact. | | | | |
| | | | 40 | 40.0 | MC-2 | | 4<br>8<br>15 | | CL | SILTY CLAY, traces of coarse grained sand, subangular to subrounded; red-brown; low to medium plasticity; cohesive; moist; stiff. | | | | |
| | | | 45 | | S-8 | | 9<br>9<br>8 | | SP | SAND WITH SILT, coarse grained, poorly graded, subangular to subrounded; traces of pebbles (< 5mm.); non plastic; light brown; non-cohesive; moist; compact. | | | | |
| | | | 50 | | | | | | | | | | | |

Report of borehole must be read in conjunction with accompanying notes and abbreviations

GEOTECH WITH MATERIAL GRAPHICS AND USCS TOWNSCAPE SUNSET.GPJ GINT STD US LAB.GDT 5/23/13

# REPORT OF BOREHOLE: B-101

DRIVE WEIGHT: 140 lbs.
DROP DISTANCE: 30 in.
N: E:
ELEVATION: DATUM:
INCLINATION: -90°
BOREHOLE DIAMETER: 8 inches

SHEET: 3 OF 4
DRILLER: Martini Drilling Corp.
DRILL RIG: CME-75
LOGGED: C. Valenzuela DATE: 2/23/13
CHECKED: J. Bueno DATE: 2/23/13

CLIENT: AG-SCH 8150 Sunset Boulevard
PROJECT: Townscape Sunset
LOCATION: Los Angeles, CA
PROJECT NO.: 123-92034

| Drilling | | | | | Sampling | | | Material Description | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| METHOD | DRILL DATE/ TIME | WATER | DEPTH feet | LAYER ELEVATION | SAMPLE OR FIELD TEST | SAMPLE TYPE | BLOWS PER 6 INCHES | GRAPHIC LOG | USCS | (SYMBOL) SOIL NAME, particle size, gradation, shape, minor components; color, contamination; behaviour, moisure, density/consistency | MOISTURE | DRY DENSITY (pcf) | ADDITIONAL LAB TESTING | |
| 8-INCH HOLLOW STEM AUGER | | | 50 | 50.0 | S-9 | | 3<br>6<br>4 | | SM | SILTY SAND, fine grained sand, subangular to subrounded; low plasticity; brown; cohesive; moist; loose to compact. | | | | |
| | | | 55 | | S-10 | | 4<br>6<br>9 | | | | | | | |
| | | | 60 | 60.0 | S-11 | | 4<br>8<br>10 | | SP | SAND WITH SILT, coarse grained sand, subangular to subrounded, non-plastic, brown; non-cohesive; moist; compact. | | | | |
| | | | 65 | | S-12 | | 7<br>10<br>12 | | | | | | | |
| | | | 70 | | S-13 | | 6<br>11<br>11 | | | | | | | |
| | | | 75 | | | | | | | | | | | |

GEOTECH WITH MATERIAL GRAPHICS AND USCS TOWNSCAPE SUNSET.GPJ GINT STD US LAB.GDT 5/23/13

# REPORT OF BOREHOLE: B-101

DRIVE WEIGHT: 140 lbs.
DROP DISTANCE: 30 in.
N: E:
ELEVATION: DATUM:
INCLINATION: -90°
BOREHOLE DIAMETER: 8 inches

SHEET: 4 OF 4
DRILLER: Martini Drilling Corp.
DRILL RIG: CME-75
LOGGED: C. Valenzuela DATE: 2/23/13
CHECKED: J. Bueno DATE: 2/23/13

CLIENT: AG-SCH 8150 Sunset Boulevard
PROJECT: Townscape Sunset
LOCATION: Los Angeles, CA
PROJECT NO.: 123-92034

| Drilling | | | | | Sampling | | | Material Description | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| METHOD | DRILL DATE/ TIME | WATER | DEPTH feet | LAYER ELEVATION | SAMPLE OR FIELD TEST | SAMPLE TYPE | BLOWS PER 6 INCHES | GRAPHIC LOG | USCS | (SYMBOL) SOIL NAME, particle size, gradation, shape, minor components; color, contamination; behaviour, moisure, density/consistency | MOISTURE | DRY DENSITY (pcf) | ADDITIONAL LAB TESTING | |
| | | | 75 | | S-14 | | 7<br>8<br>9 | | SP | SAND WITH SILT, coarse grained sand, subangular to subrounded, non-plastic, brown; non-cohesive; moist; compact. *(continued)* | | | | |
| | | | | 76.5 | | | | | | Bottom of borehole at 76.5 feet. No groundwater observed during drilling. Borehole backfilled with soil cuttings. Asphalt pavement repaired with cold asphalt mix. | | | | |

Report of borehole must be read in conjunction with accompanying notes and abbreviations

# REPORT OF BOREHOLE: B-102

CLIENT: AG-SCH 8150 Sunset Boulevard
PROJECT: Townscape Sunset
LOCATION: Los Angeles, CA
PROJECT NO.: 123-92034

DRIVE WEIGHT: 140 lbs.
DROP DISTANCE: 30 in.
N: E:
ELEVATION: DATUM:
INCLINATION: -90°
BOREHOLE DIAMETER: 8 inches

SHEET: 1 OF 3
DRILLER: Martini Drilling Corp.
DRILL RIG: CME-75
LOGGED: C. Valenzuela DATE: 2/23/13
CHECKED: J. Bueno DATE: 2/23/13

| Drilling | | | | | Sampling | | | Material Description | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| METHOD | DRILL DATE/ TIME | WATER | DEPTH feet | LAYER ELEVATION | SAMPLE OR FIELD TEST | SAMPLE TYPE | BLOWS PER 6 INCHES | GRAPHIC LOG | USCS | (SYMBOL) SOIL NAME, particle size, gradation, shape, minor components; color, contamination; behaviour, moisure, density/consistency | MOISTURE | DRY DENSITY (pcf) | ADDITIONAL LAB TESTING | |
| HOLLOW STEM AUGER | | | 0 | 0.3 | | | | | | 4-inch asphalt pavement<br>SANDY GRAVEL, coarse grained sand, fine gravel, subangular to subrounded; light brown; moist; loose. | | | | |
| | | | 5 | | S-1 | | 3<br>3<br>3 | | | | | | | |
| | | | 10 | 10.0 | S-2 | | 5<br>5<br>7 | | SM | SILTY SAND, fine to coarse grained sand, poorly graded, subangular to subrounded; non-plastic; brown; non-cohesive; moist; loose to compact. | | | | |
| | | | 15 | | S-3 | | 1<br>2<br>3 | | | Increased moisture content, mostly fine grained sand. | | | | |
| | | | 20 | | S-4 | | 2<br>3<br>3 | | | | | | | |
| | | | 25 | | | | | | | | | | | |

GEOTECH WITH MATERIAL GRAPHICS AND USCS TOWNSCAPE SUNSET.GPJ GINT STD US LAB.GDT 5/23/13

Report of borehole must be read in conjunction with accompanying notes and abbreviations

# REPORT OF BOREHOLE: B-102

CLIENT: AG-SCH 8150 Sunset Boulevard
PROJECT: Townscape Sunset
LOCATION: Los Angeles, CA
PROJECT NO.: 123-92034

DRIVE WEIGHT: 140 lbs.
DROP DISTANCE: 30 in.
N: E:
ELEVATION: DATUM:
INCLINATION: -90°
BOREHOLE DIAMETER: 8 inches

SHEET: 2 OF 3
DRILLER: Martini Drilling Corp.
DRILL RIG: CME-75
LOGGED: C. Valenzuela DATE: 2/23/13
CHECKED: J. Bueno DATE: 2/23/13

| Drilling | | | | | Sampling | | | Material Description | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| METHOD | DRILL DATE/ TIME | WATER | DEPTH feet | LAYER ELEVATION | SAMPLE OR FIELD TEST | SAMPLE TYPE | BLOWS PER 6 INCHES | GRAPHIC LOG | USCS | (SYMBOL) SOIL NAME, particle size, gradation, shape, minor components; color, contamination; behaviour, moisure, density/consistency | MOISTURE | DRY DENSITY (pcf) | ADDITIONAL LAB TESTING | |
| HOLLOW STEM AUGER | | | 25 | | S-5 | | 4<br>5<br>4 | | SM | SILTY SAND, fine to coarse grained sand, poorly graded, subangular to subrounded; non-plastic; brown; non-cohesive; moist; loose to compact. *(continued)*<br>Decreased fines content. | | | | |
| | | | 30 | 30.0 | MC-1 | | 7<br>10<br>13 | | SP | SAND, fine to coarse, poorly graded, subangular to subrounded; brown; moist; loose to compact.<br><br>Middle third of sample collected. | | | | |
| | | | | | Bulk 1 | | | | | | | | | |
| | | | 35 | | S-6 | | 3<br>4<br>6 | | | Increased fines content. | | | | |
| | | | 40 | | S-7 | | 4<br>8<br>8 | | | | | | | |
| | | | 45 | 45.0 | S-8 | | 3<br>6<br>6 | | SM | SILTY SAND, fine grained, poorly graded, subangular to subrounded; non-plastic; brown; low cohesion; moist; compact. | | | | |
| | | | 50 | | | | | | | | | | | |

GEOTECH WITH MATERIAL GRAPHICS AND USCS TOWNSCAPE SUNSET.GPJ GINT STD US LAB.GDT 5/23/13

# REPORT OF BOREHOLE: B-102

DRIVE WEIGHT: 140 lbs.
DROP DISTANCE: 30 in.
N: E:
ELEVATION: DATUM:
INCLINATION: -90°
BOREHOLE DIAMETER: 8 inches

SHEET: 3 OF 3
DRILLER: Martini Drilling Corp.
DRILL RIG: CME-75
LOGGED: C. Valenzuela DATE: 2/23/13
CHECKED: J. Bueno DATE: 2/23/13

CLIENT: AG-SCH 8150 Sunset Boulevard
PROJECT: Townscape Sunset
LOCATION: Los Angeles, CA
PROJECT NO.: 123-92034

| Drilling | | | | | Sampling | | | Material Description | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| METHOD | DRILL DATE/ TIME | WATER | DEPTH feet | LAYER ELEVATION | SAMPLE OR FIELD TEST | SAMPLE TYPE | BLOWS PER 6 INCHES | GRAPHIC LOG | USCS | (SYMBOL) SOIL NAME, particle size, gradation, shape, minor components; color, contamination; behaviour, moisure, density/consistency | MOISTURE | DRY DENSITY (pcf) | ADDITIONAL LAB TESTING | |
| HOLLOW STEM AUGER | | | 50 | | S-9 | | 4<br>6<br>7 | | SM | SILTY SAND, fine grained, poorly graded, subangular to subrounded; non-plastic; brown; low cohesion; moist; compact. *(continued)*<br>Increased coarse grained sand content, traces of gravel, pebbles, and fragments of rock. | | | | |
| | | | 55 | 55.0 | S-10 | | 2<br>5<br>7 | | SC<br>SM | SILTY CLAYEY SAND, fine grained sand, subangular to subrounded; low plasticity; red-brown; low cohesion; moist; compact. | | | | |
| | | | 60 | 60.0 | S-11 | | 6<br>9<br>9 | | SP | SAND, coarse to fine grained (mostly coarse grained), poorly graded, subangular to subrounded; brown; moist; compact. | | | | |
| | | | | 61.5 | | | | | | Bottom of borehole at 61.5 feet. No groundwater observed during drilling. Borehole backfilled with soil cuttings. Asphalt pavement repaired with cold asphalt mix. | | | | |

Report of borehole must be read in conjunction with accompanying notes and abbreviations

# REPORT OF BOREHOLE: B-103

CLIENT: AG-SCH 8150 Sunset Boulevard
PROJECT: Townscape Sunset
LOCATION: Los Angeles, CA
PROJECT NO.: 123-92034

DRIVE WEIGHT: 140 lbs.
DROP DISTANCE: 30 in.
N: E:
ELEVATION: DATUM:
INCLINATION: -90°
BOREHOLE DIAMETER: 8 inches

SHEET: 1 OF 3
DRILLER: Martini Drilling Corp.
DRILL RIG: CME-75
LOGGED: C. Valenzuela DATE: 2/23/13
CHECKED: J. Bueno DATE: 2/23/13

| Drilling | | | | | Sampling | | | Material Description | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| METHOD | DRILL DATE/ TIME | WATER | DEPTH feet | LAYER ELEVATION | SAMPLE OR FIELD TEST | SAMPLE TYPE | BLOWS PER 6 INCHES | GRAPHIC LOG | USCS | (SYMBOL) SOIL NAME, particle size, gradation, shape, minor components; color, contamination; behaviour, moisure, density/consistency | MOISTURE | DRY DENSITY (pcf) | ADDITIONAL LAB TESTING | |
| HOLLOW STEM AUGER | | | 0 | | | | | | | 4.5-inch asphalt pavement. | | | | |
| | | | | 0.4 | | | | | SM | SILTY SAND, fine to coarse grained sand (mostly medium to coarse grained), poorly graded, subangular to subrounded; non-plastic; brown; non-cohesive; moist; loose. | | | | |
| | | | 5 | | S-1 | | 2<br>2<br>4 | | | | | | | |
| | | | 10 | | S-2 | | 2<br>3<br>3 | | | | | | | |
| | | | 15 | 15.0 | S-3 | | 2<br>3<br>3 | | SM<br>ML | SILTY SAND/SANDY SILT, fine grained sand, subangular to subrounded; non-plastic; brown; low to non-cohesive; moist; loose. | | | | |
| | | | 20 | 20.0 | MC-1 | | 6<br>9<br>11 | | SP | SAND, coarse grained, poorly graded, subangular to subrounded, traces of fine grained sand, non-plastic; brown; low cohesion; moist; loose to compact. | | | | |
| | | | 25 | | | | | | | | | | | |

GEOTECH WITH MATERIAL GRAPHICS AND USCS TOWNSCAPE SUNSET.GPJ GINT STD US LAB.GDT 5/23/13

# REPORT OF BOREHOLE: B-103

DRIVE WEIGHT: 140 lbs.
DROP DISTANCE: 30 in.
N: E:
ELEVATION: DATUM:
INCLINATION: -90°
BOREHOLE DIAMETER: 8 inches

SHEET: 2 OF 3
DRILLER: Martini Drilling Corp.
DRILL RIG: CME-75
LOGGED: C. Valenzuela DATE: 2/23/13
CHECKED: J. Bueno DATE: 2/23/13

CLIENT: AG-SCH 8150 Sunset Boulevard
PROJECT: Townscape Sunset
LOCATION: Los Angeles, CA
PROJECT NO.: 123-92034

| Drilling | | | | | Sampling | | | Material Description | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| METHOD | DRILL DATE/ TIME | WATER | DEPTH feet | LAYER ELEVATION | SAMPLE OR FIELD TEST | SAMPLE TYPE | BLOWS PER 6 INCHES | GRAPHIC LOG | USCS | (SYMBOL) SOIL NAME, particle size, gradation, shape, minor components; color, contamination; behaviour, moisure, density/consistency | MOISTURE | DRY DENSITY (pcf) | ADDITIONAL LAB TESTING | |
| HOLLOW STEM AUGER | | | 25 | | S-4 | | 3 4 6 | | SP | SAND, coarse grained, poorly graded, subangular to subrounded, traces of fine grained sand, non-plastic; brown; low cohesion; moist; loose to compact. *(continued)* | | | | |
| | | | | | Bulk 1 | | | | | | | | | |
| | | | 30 | | S-5 | | 4 8 7 | | | Decreased fine sand, and moisture content. | | | | |
| | | | 35 | | S-6 | | 3 6 6 | | | Increased fines content, and fine sand. | | | | |
| | | | 40 | | S-7 | | 4 4 5 | | | | | | | |
| | | | 45 | | S-8 | | 9 8 8 | | | | | | | |
| | | | 50 | | | | | | | | | | | |

Report of borehole must be read in conjunction with accompanying notes and abbreviations

GEOTECH WITH MATERIAL GRAPHICS AND USCS TOWNSCAPE SUNSET.GPJ GINT STD US LAB.GDT 5/23/13

# REPORT OF BOREHOLE: B-103

DRIVE WEIGHT: 140 lbs.
DROP DISTANCE: 30 in.
N: E:
ELEVATION: DATUM:
INCLINATION: -90°
BOREHOLE DIAMETER: 8 inches

SHEET: 3 OF 3
DRILLER: Martini Drilling Corp.
DRILL RIG: CME-75
LOGGED: C. Valenzuela DATE: 2/23/13
CHECKED: J. Bueno DATE: 2/23/13

CLIENT: AG-SCH 8150 Sunset Boulevard
PROJECT: Townscape Sunset
LOCATION: Los Angeles, CA
PROJECT NO.: 123-92034

| Drilling | | | | | Sampling | | | Material Description | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| METHOD | DRILL DATE/ TIME | WATER | DEPTH feet | LAYER ELEVATION | SAMPLE OR FIELD TEST | SAMPLE TYPE | BLOWS PER 6 INCHES | GRAPHIC LOG | USCS | (SYMBOL) SOIL NAME, particle size, gradation, shape, minor components; color, contamination; behaviour, moisure, density/consistency | MOISTURE | DRY DENSITY (pcf) | ADDITIONAL LAB TESTING | |
| HOLLOW STEM AUGER | | | 50 | | S-9 | | 3<br>7<br>8 | | SP | SAND, coarse grained, poorly graded, subangular to subrounded, traces of fine grained sand, non-plastic; brown; low cohesion; moist; loose to compact. *(continued)* | | | | |
| | | | 55 | 55.0 | S-10 | | 9<br>9<br>10 | | | SANDY GRAVEL, coarse grained sand, fine gravel, poorly graded, subangular to subrounded; light brown; moist; compact. | | | | |
| | | | 60 | 60.0 | S-11 | | 4<br>7<br>10 | | SM | SILTY SAND, coarse grained sand, poorly graded, subangular to subrounded; non-plastic; brown; non-cohesive; moist, compact. | | | | |
| | | | | 61.5 | | | | | | Bottom of borehole at 61.5 feet. No groundwater observed during drilling. Borehole backfilled with soil cuttings. Asphalt pavement repaired with cold asphalt mix. | | | | |

# REPORT OF BOREHOLE: B-104

DRIVE WEIGHT: 140 lbs.
DROP DISTANCE: 30 in.
N: E:
ELEVATION: DATUM:
INCLINATION: -90°
BOREHOLE DIAMETER: 8 inches

SHEET: 1 OF 3
DRILLER: Martini Drilling Corp.
DRILL RIG: CME-75
LOGGED: C. Valenzuela DATE: 2/23/13
CHECKED: J. Bueno DATE: 2/23/13

CLIENT: AG-SCH 8150 Sunset Boulevard
PROJECT: Townscape Sunset
LOCATION: Los Angeles, CA
PROJECT NO.: 123-92034

| Drilling | | | | | Sampling | | | Material Description | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| METHOD | DRILL DATE/ TIME | WATER | DEPTH feet | LAYER ELEVATION | SAMPLE OR FIELD TEST | SAMPLE TYPE | BLOWS PER 6 INCHES | GRAPHIC LOG | USCS | (SYMBOL) SOIL NAME, particle size, gradation, shape, minor components; color, contamination; behaviour, moisure, density/consistency | MOISTURE | DRY DENSITY (pcf) | ADDITIONAL LAB TESTING |
| HOLLOW STEM AUGER | | | 0 | | | | | | | 4.5-inch asphalt pavement. | | | |
| | | | | 0.4 | | | | | SM ML | SILTY SAND/ SANDY SILT, fine grained sand, poorly graded, subangular to subrounded; non-plastic; brown; non-cohesive; moist; loose. | | | |
| | | | 5 | | S-1 | | 2 3 3 | | | | | | |
| | | | 10 | 10.0 | S-2 | | 1 2 2 | | SM | SILTY SAND, fine to coarse grained sand; poorly graded; subangular to subrounded; low plasticity; red-brown; low cohesion; very loose to compact. | | | |
| | | | 15 | | S-3 | | 2 3 3 | | | Increased coarse grained sand. | | | |
| | | | 20 | | S-4 | | 4 6 5 | | | Decreased moisture content. | | | |
| | | | | | Bulk 1 | | | | | | | | |
| | | | 25 | | | | | | | | | | |

GEOTECH WITH MATERIAL GRAPHICS AND USCS TOWNSCAPE SUNSET.GPJ GINT STD US LAB.GDT 5/23/13

# REPORT OF BOREHOLE: B-104

DRIVE WEIGHT: 140 lbs.
DROP DISTANCE: 30 in.
N: E:
ELEVATION: DATUM:
INCLINATION: -90°
BOREHOLE DIAMETER: 8 inches

SHEET: 2 OF 3
DRILLER: Martini Drilling Corp.
DRILL RIG: CME-75
LOGGED: C. Valenzuela DATE: 2/23/13
CHECKED: J. Bueno DATE: 2/23/13

CLIENT: AG-SCH 8150 Sunset Boulevard
PROJECT: Townscape Sunset
LOCATION: Los Angeles, CA
PROJECT NO.: 123-92034

| Drilling | | | | | Sampling | | | Material Description | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| METHOD | DRILL DATE/ TIME | WATER | DEPTH feet | LAYER ELEVATION | SAMPLE OR FIELD TEST | SAMPLE TYPE | BLOWS PER 6 INCHES | GRAPHIC LOG | USCS | (SYMBOL) SOIL NAME, particle size, gradation, shape, minor components; color, contamination; behaviour, moisure, density/consistency | MOISTURE | DRY DENSITY (pcf) | ADDITIONAL LAB TESTING | |
| HOLLOW STEM AUGER | | | 25 | 25.0 | MC-1 | | 8<br>10<br>11 | | GP<br>SP | SANDY GRAVEL, coarse grained sand; poorly graded; subangular to subrounded; tan to light brown; dry ; very loose to compact. | | | | |
| | | | 30 | 30.0 | S-5 | | 5<br>6<br>7 | | SM | SILTY SAND, fine grained sand, poorly graded, subangular to subrounded; non-plastic; brown; non-cohesive; compact. | | | | |
| | | | 35 | | S-6 | | 4<br>7<br>7 | | | | | | | |
| | | | 40 | | S-7 | | 4<br>6<br>6 | | | Increased coarser grained sand. | | | | |
| | | | 45 | | S-8 | | 3<br>5<br>6 | | | Decreased moisture content. | | | | |
| | | | 50 | | | | | | | | | | | |

GEOTECH WITH MATERIAL GRAPHICS AND USCS TOWNSCAPE SUNSET.GPJ GINT STD US LAB.GDT 5/23/13

# REPORT OF BOREHOLE: B-104

DRIVE WEIGHT: 140 lbs.
DROP DISTANCE: 30 in.
N: E:
ELEVATION: DATUM:
INCLINATION: -90°
BOREHOLE DIAMETER: 8 inches

SHEET: 3 OF 3
DRILLER: Martini Drilling Corp.
DRILL RIG: CME-75
LOGGED: C. Valenzuela DATE: 2/23/13
CHECKED: J. Bueno DATE: 2/23/13

CLIENT: AG-SCH 8150 Sunset Boulevard
PROJECT: Townscape Sunset
LOCATION: Los Angeles, CA
PROJECT NO.: 123-92034

| Drilling | | | | | Sampling | | | Material Description | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| METHOD | DRILL DATE/ TIME | WATER | DEPTH feet | LAYER ELEVATION | SAMPLE OR FIELD TEST | SAMPLE TYPE | BLOWS PER 6 INCHES | GRAPHIC LOG | USCS | (SYMBOL) SOIL NAME, particle size, gradation, shape, minor components; color, contamination; behaviour, moisure, density/consistency | MOISTURE | DRY DENSITY (pcf) | ADDITIONAL LAB TESTING | |
| HOLLOW STEM AUGER | | | 50 | | S-9 | | 5<br>8<br>9 | | SM | SILTY SAND, fine grained sand, poorly graded, subangular to subrounded; non-plastic; brown; non-cohesive; compact. *(continued)* | | | | |
| | | | 55 | 55.0 | S-10 | | 5<br>8<br>8 | | GP<br>SP | SANDY GRAVEL, coarse sand, fine gravel, poorly graded, subangular to subrounded; tan to light brown; compact. | | | | |
| | | | 60 | 60.0 | S-11 | | 6<br>10<br>11 | | SP | SAND, traces of silt, coarse grained sand, poorly graded, subangular to subrounded; brown, compact. | | | | |
| | | | | 61.5 | | | | | | Bottom of borehole at 61.5 feet. No groundwater observed during drilling. Borehole backfilled with soil cuttings. Asphalt pavement repaired with cold asphalt mix. | | | | |

GEOTECH WITH MATERIAL GRAPHICS AND USCS TOWNSCAPE SUNSET.GPJ GINT STD US LAB.GDT 5/23/13

Report of borehole must be read in conjunction with accompanying notes and abbreviations

# REPORT OF BOREHOLE: KEY

DRIVE WEIGHT: 140 lbs.
DROP DISTANCE: 30 in.
N: E:
ELEVATION: DATUM:
INCLINATION: -90°
BOREHOLE DIAMETER: 8 inches

SHEET: 1 OF 1
DRILLER: Martini Drilling Corp.
DRILL RIG: CME-75
LOGGED: C. Valenzuela DATE: 2/23/13
CHECKED: J. Bueno DATE: 2/23/13

CLIENT: AG-SCH 8150 Sunset Boulevard
PROJECT: Townscape Sunset
LOCATION: Los Angeles, CA
PROJECT NO.: 123-92034

| Drilling | | | | | Sampling | | | Material Description | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| METHOD | DRILL DATE/ TIME | WATER | DEPTH feet | LAYER ELEVATION | SAMPLE OR FIELD TEST | SAMPLE TYPE | BLOWS PER 6 INCHES | GRAPHIC LOG | USCS | (SYMBOL) SOIL NAME, particle size, gradation, shape, minor components; color, contamination; behaviour, moisure, density/consistency | MOISTURE | DRY DENSITY (pcf) | ADDITIONAL LAB TESTING | |
| Hollow Stem Auger | | | 0 | | | | | | GP | **Graphic Log:** Standard symbols for soil and rock types<br><br>**USCS:** Unified Soil Classification System per ASTM D2487<br><br>**MATERIAL DESCRIPTION FOR SOIL:**<br>Soil Classifications are based on the Unified Soil Classification System per ASTM D2487 and include density, particle size, color, moisture and minor components. | | | | |
| | | | 5 | | S-1 | | 7<br>8<br>9 | | | Standard Penetration Test (SPT)<br>**Blows Per 6 Inches/Penetration** : Number of hammer blows required to drive sampler 6 inches | | | | |
| | | | | | MC-1 | | 8<br>10<br>11 | | | Modified California Sample (MC) | | | | |
| | | | 10 | | | | | | | | | | | |
| | | | | 11.0 | | | | | SP | Inferred material contact (dashed line) - actual material contact may be gradual<br><br>**RELATIVE DENSITY OR CONSISTENCY:**<br><br>Blows / Coarse-Grained Soil / Blows / Fine-Grained Soil<br>0-4 Very Loose 0-2 Very soft<br>5-10 Loose 3-4 Soft<br>11-30 Compact 5-8 Firm<br>31-50 Dense 9-15 Stiff<br>>50 Very Dense 16-30 Very stiff<br>>30 Hard<br><br>**DESCRIPTIVE TERMINOLOGY DENOTING PROPORTIONS:**<br><br>Descriptive Terms: Range of Proportions:<br>Trace 0-5%<br>Little 5-12%<br>Some 12-30%<br>And 30-50% | | | | |
| | | | 15 | | | | | | | | | | | |
| | | | 20 | | | | | | | | | | | |
| | | | | 22.5 | | | | | | Bottom of borehole (solid line) | | | | |

Report of borehole must be read in conjunction with accompanying notes and abbreviations

GEOTECH WITH MATERIAL GRAPHICS AND USCS TOWNSCAPE SUNSET.GPJ GINT STD US LAB.GDT 5/23/13

**APPENDIX B**
**CONE PENETRATION TEST (CPT) REPORTS**

# SUMMARY

# OF

# CONE PENETRATION TEST DATA

Project:

**8150 Hollywood**
**8150 W. Sunset Blvd.**
**Los Angeles, CA**
**October 14, 2013**

Prepared for:

**Ms. Eva Gladish**
**Golder Associates Inc.**
**230 Commerce, Ste 200**
**Irvine, CA 92602**
**Office (714) 508-4400 / Fax (714) 508-4401**

Prepared by:


KEHOE TESTING & ENGINEERING
5415 Industrial Drive
Huntington Beach, CA 92649-1518
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www.kehoetesting.com

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# SUMMARY

# OF

# CONE PENETRATION TEST DATA

## 1. INTRODUCTION

This report presents the results of a Cone Penetration Test (CPT) program carried out for the 8150 Hollywood project located at 8150 W. Sunset Blvd. in Los Angeles, California. The work was performed by Kehoe Testing & Engineering (KTE) on October 14, 2013. The scope of work was performed as directed by Golder Associates Inc. personnel.

## 2. SUMMARY OF FIELD WORK

The fieldwork consisted of performing CPT soundings at three locations to determine the soil lithology. Groundwater measurements and hole collapse depths provided in **TABLE 2.1** are for information only. The readings indicate the apparent depth to which the hole is open and the apparent water level (if encountered) in the CPT probe hole at the time of measurement upon completion of the CPT. KTE does not warranty the accuracy of the measurements and the reported water levels may not represent the true or stabilized groundwater levels.

| LOCATION | DEPTH OF CPT (ft) | COMMENTS/NOTES: |
|---|---|---|
| **CPT-1** | 176 | Refusal, hole open to 125 ft (dry) |
| **CPT-2** | 143 | Refusal, hole open to 125 ft (dry) |
| **CPT-3** | 151 | Refusal, hole open to 125 ft (dry) |

**TABLE 2.1 - Summary of CPT Soundings**

## 3. FIELD EQUIPMENT & PROCEDURES

The CPT soundings were carried out by **KTE** using an integrated electronic cone system manufactured by Vertek. The CPT soundings were performed in accordance with ASTM standards (D5778). The cone penetrometers were pushed using a 30-ton CPT rig. The cone used during the program was a 15 cm^2 cone and recorded the following parameters at approximately 2.5 cm depth intervals:

- Cone Resistance (qc)
- Sleeve Friction (fs)
- Dynamic Pore Pressure (u)
- Inclination
- Penetration Speed

The above parameters were recorded and viewed in real time using a laptop computer. Data is stored at the KTE office for future analysis and reference. A complete set of baseline readings was taken prior to each sounding to determine temperature shifts and any zero load

offsets. Monitoring base line readings ensures that the cone electronics are operating properly.

## 4. CONE PENETRATION TEST DATA & INTERPRETATION

The Cone Penetration Test data is presented in graphical form in the attached Appendix. These plots were generated using the CPeT-IT program. Penetration depths are referenced to ground surface. The soil classification on the CPT plots is derived from the attached CPT Classification Chart (Robertson) and presents major soil lithologic changes. The stratigraphic interpretation is based on relationships between cone resistance (qc), sleeve friction (fs), and penetration pore pressure (u). The friction ratio (Rf), which is sleeve friction divided by cone resistance, is a calculated parameter that is used along with cone resistance to infer soil behavior type. Generally, cohesive soils (clays) have high friction ratios, low cone resistance and generate excess pore water pressures. Cohesionless soils (sands) have lower friction ratios, high cone bearing and generate little (or negative) excess pore water pressures.

Tables of basic CPT output from the interpretation program CPeT-IT are provided for CPT data averaged over one foot intervals in the Appendix. Spreadsheet files of the averaged basic CPT output and averaged estimated geotechnical parameters are also included for use in further geotechnical analysis. We recommend a geotechnical engineer review the assumed input parameters and the calculated output from the CPeT-IT program. A summary of the equations used for the tabulated parameters is provided in the Appendix.

It should be noted that it is not always possible to clearly identify a soil type based on qc, fs and u. In these situations, experience, judgement and an assessment of the pore pressure data should be used to infer the soil behavior type.

If you have any questions regarding this information, please do not hesitate to call our office at (714) 901-7270.

Sincerely,

KEHOE TESTING & ENGINEERING

Richard W. Koester, Jr.
General Manager

10/16/13-ag-4159

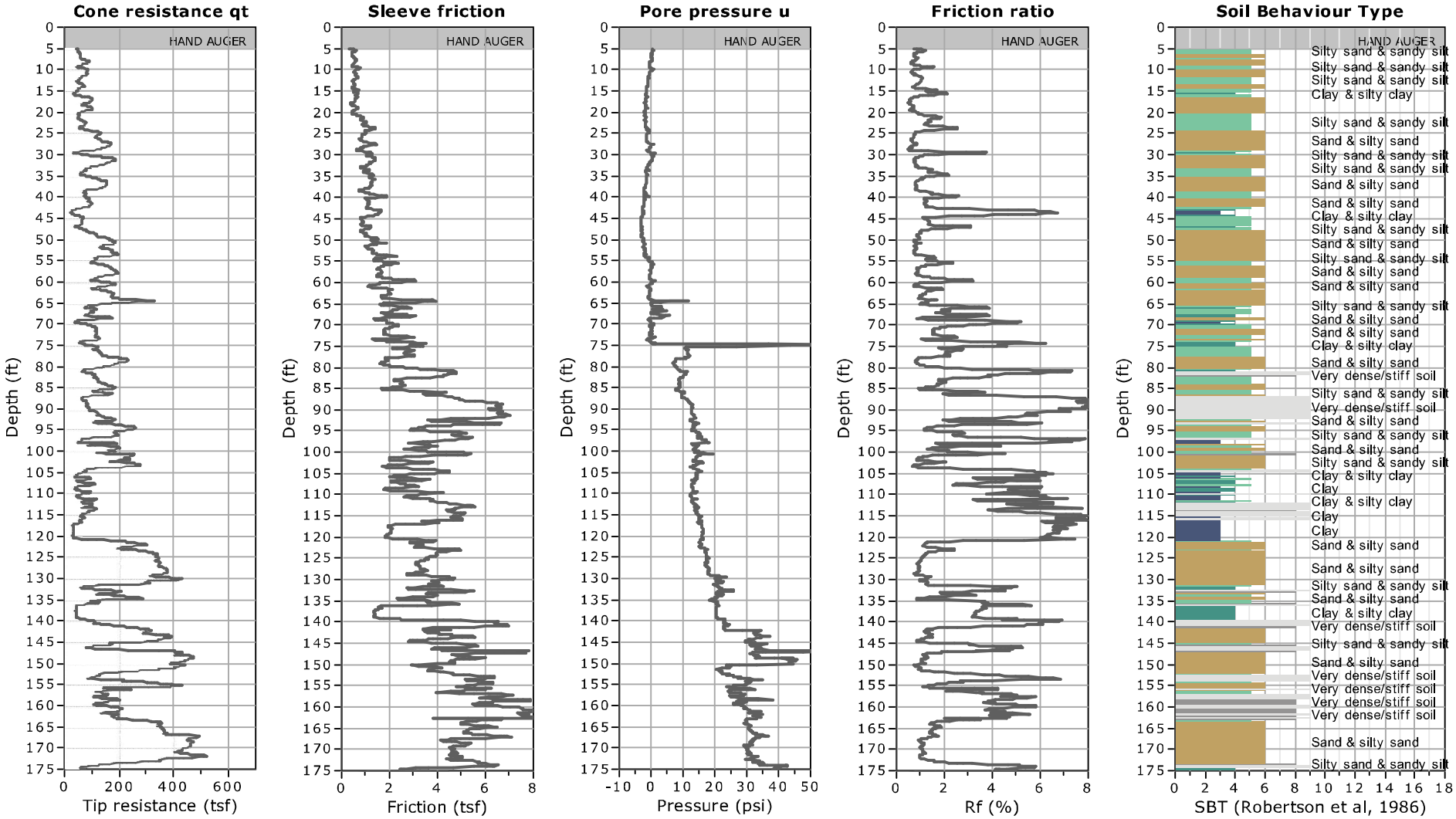
# APPENDIX

**Kehoe Testing and Engineering**
714-901-7270
rich@kehoetesting.com
www.kehoetesting.com

**CPT: CPT-1**

**Project:** **Golder Associates/8150 Hollywood**
**Location:** **8150 W. Sunset Blvd. Los Angeles, CA**

Total depth: 175.75 ft, Date: 10/14/2013
Cone Type: Vertek



**Kehoe Testing and Engineering**
714-901-7270
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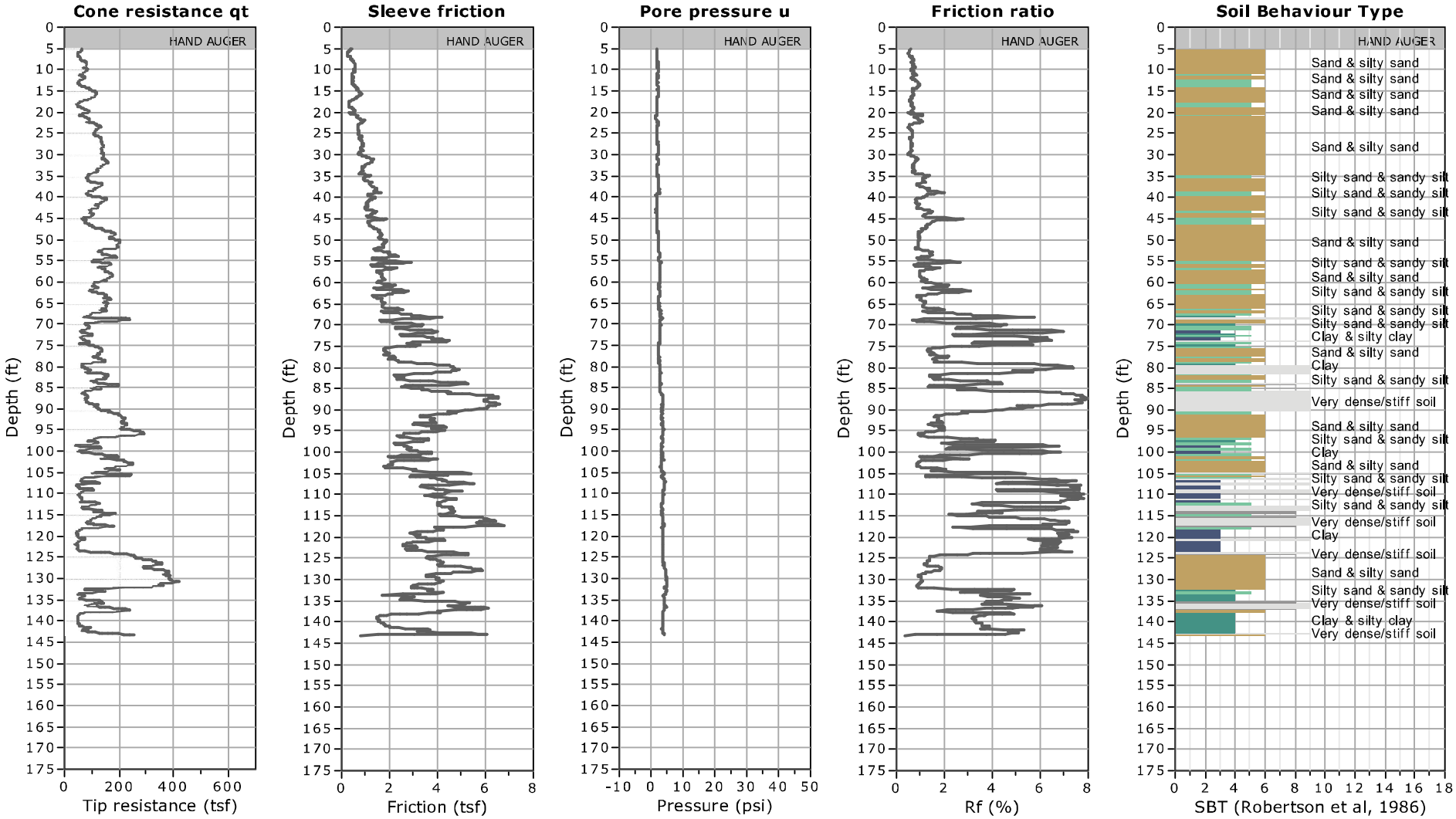
**CPT: CPT-2**

**Project:** **Golder Associates/8150 Hollywood**
**Location:** **8150 W. Sunset Blvd. Los Angeles, CA**

Total depth: 143.33 ft, Date: 10/14/2013
Cone Type: Vertek



**Kehoe Testing and Engineering**
714-901-7270
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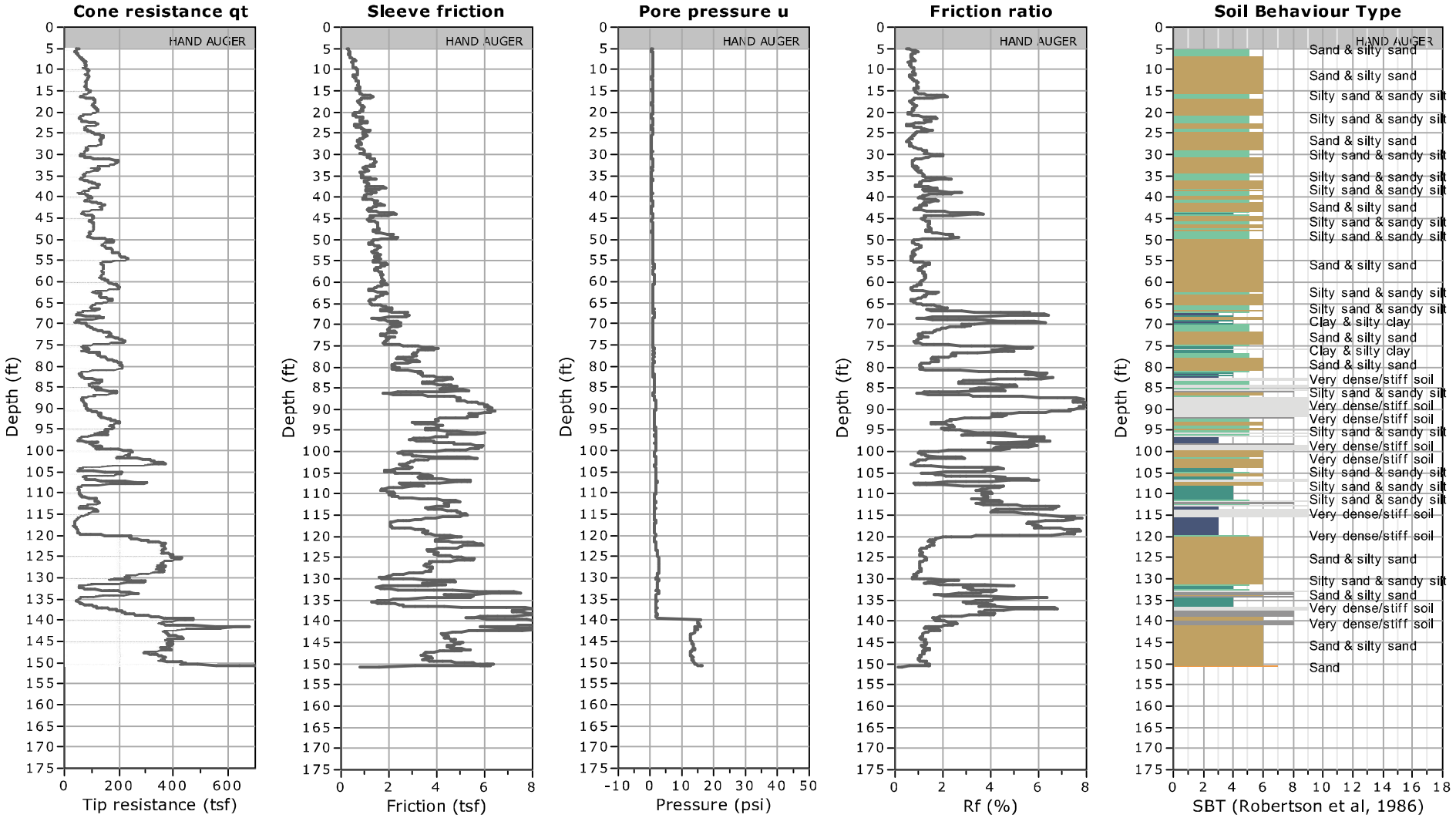
www.kehoetesting.com

**CPT: CPT-3**

**Project:** **Golder Associates/8150 Hollywood**
**Location:** **8150 W. Sunset Blvd. Los Angeles, CA**

Total depth: 150.87 ft, Date: 10/14/2013
Cone Type: Vertek



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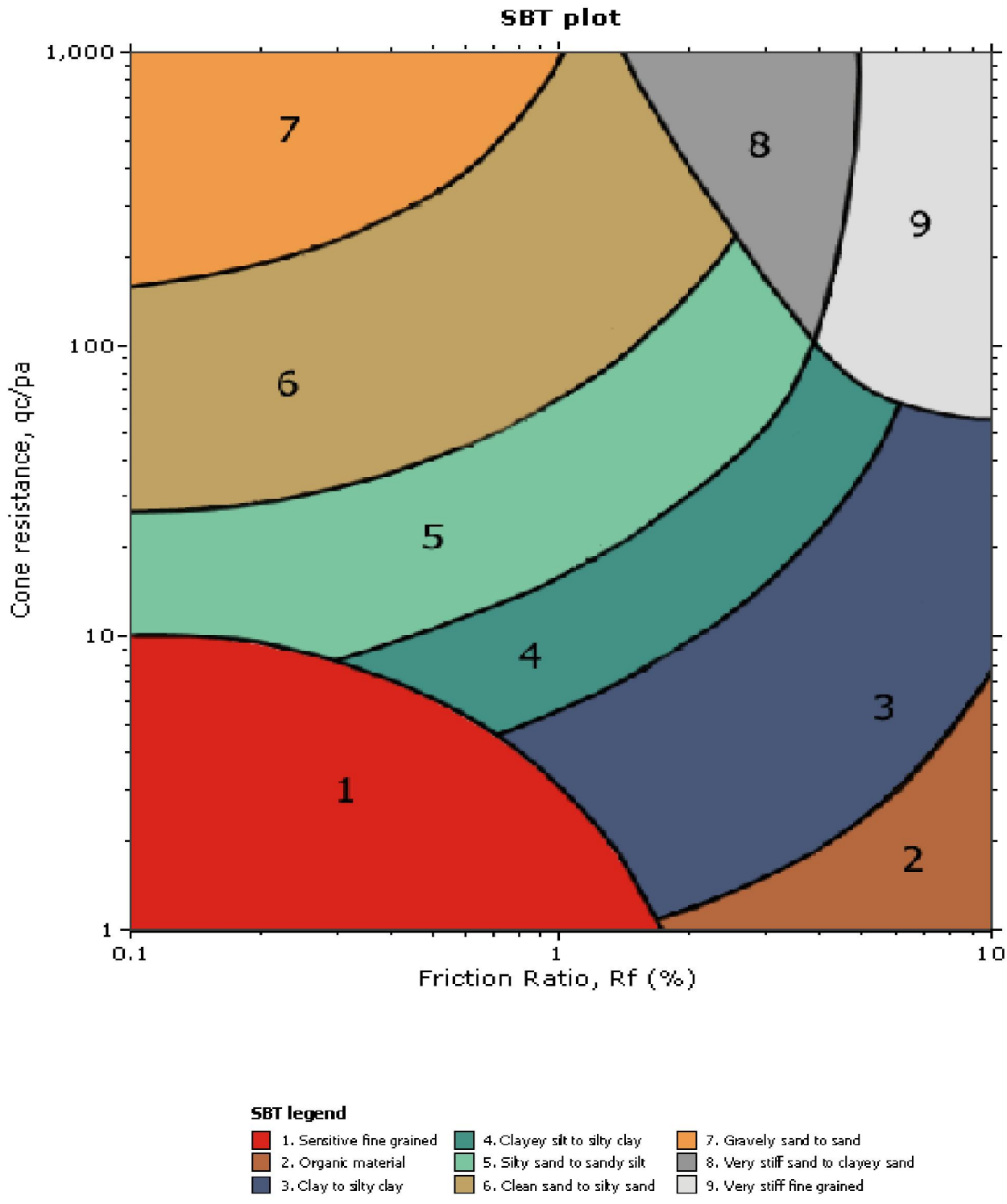

| | CPT-1 | In situ data | | | Basic output data | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth (ft) | qc (tsf) | fs (tsf) | u (psi) | Other | qt (tsf) | Rf(%) | SBT | Ic SBT | ã (pcf) | ó,v (tsf) | u0 (tsf) | ó',vo (tsf) | Qt1 | Fr (%) | Bq | SBTn | n | Cn | Ic | Qtn |
| 1 | 184.6 | 1.88 | 1.46 | 1.02 | 184.618 | 1.0183 | 6 | 1.73675 | 127.6178 | 0.06381 | 0 | 0.0638 | 2892.3 | 1.0187 | 0.0006 | 6 | 0.4393 | 2 | 1.5389 | 348.8379 |
| 2 | 116.6 | 0.96 | 0.14 | 0.83 | 116.602 | 0.8233 | 6 | 1.82433 | 121.5793 | 0.1246 | 0 | 0.1246 | 934.82 | 0.8242 | 9E-05 | 6 | 0.4656 | 2 | 1.6004 | 220.1611 |
| 3 | 81 | 0.72 | 0.08 | 0.88 | 81.001 | 0.8889 | 6 | 1.97021 | 118.5858 | 0.18389 | 0 | 0.1839 | 439.48 | 0.8909 | 7E-05 | 6 | 0.5211 | 2 | 1.7385 | 152.7577 |
| 4 | 58.9 | 0.48 | 0.09 | 0.81 | 58.9011 | 0.8149 | 6 | 2.06228 | 114.8419 | 0.24131 | 0 | 0.2413 | 243.09 | 0.8183 | 0.0001 | 6 | 0.5551 | 2 | 1.8206 | 110.8768 |
| 5 | 41.7 | 0.27 | 0.24 | 0.64 | 41.7029 | 0.6474 | 5 | 2.1393 | 109.7898 | 0.29621 | 0 | 0.2962 | 139.79 | 0.6521 | 0.0004 | 6 | 0.5824 | 2 | 1.8854 | 78.2656 |
| 6 | 53.9 | 0.44 | 0.33 | 0.82 | 53.904 | 0.8163 | 5 | 2.09497 | 113.989 | 0.3532 | 0 | 0.3532 | 151.62 | 0.8217 | 0.0004 | 6 | 0.5811 | 1.892 | 1.872 | 95.75249 |
| 7 | 59.7 | 0.47 | 0.05 | 0.78 | 59.7006 | 0.7873 | 6 | 2.04918 | 114.7208 | 0.41056 | 0 | 0.4106 | 144.41 | 0.7927 | 6E-05 | 6 | 0.5773 | 1.7272 | 1.8588 | 96.78337 |
| 8 | 88.4 | 0.57 | 0.06 | 0.65 | 88.4007 | 0.6448 | 6 | 1.8591 | 117.0896 | 0.46911 | 0 | 0.4691 | 187.44 | 0.6482 | 5E-05 | 6 | 0.5238 | 1.5312 | 1.7113 | 127.2426 |
| 9 | 45.8 | 0.44 | -0.43 | 0.96 | 45.7947 | 0.9608 | 5 | 2.19291 | 113.5914 | 0.5259 | 0 | 0.5259 | 86.078 | 0.972 | -7E-04 | 6 | 0.6509 | 1.5762 | 2.0376 | 67.43545 |
| 10 | 85.8 | 0.61 | 0.22 | 0.71 | 85.8027 | 0.7109 | 6 | 1.89358 | 117.5131 | 0.58466 | 0 | 0.5847 | 145.76 | 0.7158 | 0.0002 | 6 | 0.5561 | 1.3908 | 1.7815 | 112.0157 |
| 11 | 82.3 | 0.62 | -0.42 | 0.76 | 82.2949 | 0.7534 | 6 | 1.92281 | 117.5303 | 0.64342 | 0 | 0.6434 | 126.9 | 0.7593 | -4E-04 | 6 | 0.5763 | 1.332 | 1.8267 | 102.7838 |
| 12 | 56.9 | 0.62 | -0.9 | 1.08 | 56.889 | 1.0898 | 5 | 2.14635 | 116.6298 | 0.70174 | 0 | 0.7017 | 80.069 | 1.1035 | -0.001 | 5 | 0.6674 | 1.3154 | 2.0586 | 69.84719 |
| 13 | 49.5 | 0.47 | -1.09 | 0.96 | 49.4867 | 0.9498 | 5 | 2.16204 | 114.2631 | 0.75887 | 0 | 0.7589 | 64.211 | 0.9645 | -0.002 | 5 | 0.6822 | 1.2545 | 2.0901 | 57.77307 |
| 14 | 68 | 0.46 | -1.24 | 0.68 | 67.9848 | 0.6766 | 6 | 1.96618 | 114.8803 | 0.81631 | 0 | 0.8163 | 82.283 | 0.6848 | -0.001 | 6 | 0.6182 | 1.174 | 1.9149 | 74.52206 |
| 15 | 45.2 | 0.6 | -1.48 | 1.33 | 45.1819 | 1.328 | 5 | 2.27775 | 115.8279 | 0.87422 | 0 | 0.8742 | 50.682 | 1.3542 | -0.002 | 5 | 0.7449 | 1.1528 | 2.2401 | 48.27355 |
| 16 | 46.6 | 0.56 | -1.66 | 1.2 | 46.5797 | 1.2022 | 5 | 2.24176 | 115.3974 | 0.93192 | 0 | 0.9319 | 48.982 | 1.2268 | -0.003 | 5 | 0.7403 | 1.0986 | 2.2209 | 47.3931 |
| 17 | 99.9 | 0.59 | -1.68 | 0.59 | 99.8794 | 0.5907 | 6 | 1.79388 | 117.6397 | 0.99074 | 0 | 0.9907 | 99.813 | 0.5966 | -0.001 | 6 | 0.5774 | 1.0387 | 1.7862 | 97.07596 |
| 18 | 64.3 | 0.35 | -2.03 | 0.54 | 64.2752 | 0.5445 | 6 | 1.93861 | 112.7438 | 1.04712 | 0 | 1.0471 | 60.383 | 0.5536 | -0.002 | 6 | 0.6408 | 1.0067 | 1.9458 | 60.157 |
| 19 | 98.1 | 0.69 | -0.98 | 0.7 | 98.088 | 0.7035 | 6 | 1.8433 | 118.7412 | 1.10649 | 0 | 1.1065 | 87.648 | 0.7115 | -7E-04 | 6 | 0.6109 | 0.9731 | 1.8598 | 89.18622 |
| 20 | 50.6 | 0.43 | -2.21 | 0.86 | 50.573 | 0.8503 | 5 | 2.12785 | 113.6652 | 1.16332 | 0 | 1.1633 | 42.473 | 0.8703 | -0.003 | 5 | 0.7307 | 0.9331 | 2.1672 | 43.57117 |
| 21 | 46.9 | 0.83 | -1.94 | 1.76 | 46.8763 | 1.7706 | 5 | 2.34112 | 118.2921 | 1.22246 | 0 | 1.2225 | 37.346 | 1.818 | -0.003 | 5 | 0.8213 | 0.8882 | 2.3976 | 38.32182 |
| 22 | 66.2 | 0.89 | -1.87 | 1.34 | 66.1771 | 1.3449 | 5 | 2.14956 | 119.6438 | 1.28229 | 0 | 1.2823 | 50.609 | 1.3715 | -0.002 | 5 | 0.7531 | 0.8653 | 2.2108 | 53.06816 |
| 23 | 72 | 0.88 | -1.76 | 1.23 | 71.9785 | 1.2226 | 5 | 2.09519 | 119.7661 | 1.34217 | 0 | 1.3422 | 52.628 | 1.2458 | -0.002 | 5 | 0.7392 | 0.8388 | 2.1668 | 55.99529 |
| 24 | 65.8 | 1.35 | -1.48 | 2.05 | 65.7819 | 2.0522 | 5 | 2.27115 | 122.6777 | 1.40351 | 0 | 1.4035 | 45.87 | 2.097 | -0.002 | 5 | 0.8154 | 0.7943 | 2.3592 | 48.32523 |
| 25 | 130.4 | 1.02 | -1.03 | 0.79 | 130.387 | 0.7823 | 6 | 1.77258 | 122.2954 | 1.46466 | 0 | 1.4647 | 88.023 | 0.7912 | -6E-04 | 6 | 0.6236 | 0.8165 | 1.8488 | 99.48069 |
| 26 | 114.2 | 0.82 | -1.66 | 0.72 | 114.18 | 0.7182 | 6 | 1.79529 | 120.3747 | 1.52484 | 0 | 1.5248 | 73.88 | 0.7279 | -0.001 | 6 | 0.6406 | 0.7913 | 1.8858 | 84.24871 |
| 27 | 149.2 | 0.98 | -1.1 | 0.66 | 149.187 | 0.6569 | 6 | 1.67956 | 122.3312 | 1.58601 | 0 | 1.586 | 93.064 | 0.664 | -5E-04 | 6 | 0.5994 | 0.7846 | 1.7701 | 109.4449 |
| 28 | 159.9 | 0.97 | -0.16 | 0.6 | 159.898 | 0.6066 | 6 | 1.63455 | 122.4253 | 1.64722 | 0 | 1.6472 | 96.071 | 0.613 | -7E-05 | 6 | 0.5876 | 0.771 | 1.7314 | 115.3107 |
| 29 | 88.4 | 0.62 | -0.93 | 0.7 | 88.3886 | 0.7015 | 6 | 1.87964 | 117.7045 | 1.70607 | 0 | 1.7061 | 50.808 | 0.7153 | -8E-04 | 6 | 0.6973 | 0.7167 | 2.0122 | 58.71195 |
| 30 | 73.1 | 1.12 | 0.43 | 1.53 | 73.1053 | 1.532 | 5 | 2.15257 | 121.5685 | 1.76686 | 0 | 1.7669 | 40.376 | 1.57 | 0.0004 | 5 | 0.8128 | 0.6592 | 2.3076 | 44.44446 |
| 31 | 184.8 | 1.41 | 0.47 | 0.76 | 184.806 | 0.763 | 6 | 1.65016 | 125.5153 | 1.82962 | 0 | 1.8296 | 100.01 | 0.7706 | 0.0002 | 6 | 0.6097 | 0.7161 | 1.7668 | 123.8369 |
| 32 | 151.5 | 1.19 | -0.46 | 0.78 | 151.494 | 0.7855 | 6 | 1.72352 | 123.7893 | 1.89151 | 0 | 1.8915 | 79.092 | 0.7954 | -2E-04 | 6 | 0.6477 | 0.6864 | 1.8588 | 97.0517 |
| 33 | 85.3 | 0.8 | -1.24 | 0.94 | 85.2848 | 0.938 | 6 | 1.96632 | 119.4824 | 1.95125 | 0 | 1.9513 | 42.708 | 0.96 | -0.001 | 5 | 0.7593 | 0.6283 | 2.1443 | 49.48565 |
| 34 | 65.4 | 0.85 | -1.75 | 1.29 | 65.3786 | 1.3001 | 5 | 2.1445 | 119.2777 | 2.01089 | 0 | 2.0109 | 31.512 | 1.3414 | -0.002 | 5 | 0.8411 | 0.5827 | 2.3516 | 34.89766 |
| 35 | 81.6 | 1.23 | -1.38 | 1.51 | 81.5831 | 1.5077 | 5 | 2.11209 | 122.5216 | 2.07215 | 0 | 2.0722 | 38.371 | 1.547 | -0.001 | 5 | 0.83 | 0.5724 | 2.3149 | 43.01531 |
| 36 | 134.5 | 1.27 | -1.38 | 0.94 | 134.483 | 0.9444 | 6 | 1.81492 | 123.9748 | 2.13414 | 0 | 2.1341 | 62.015 | 0.9596 | -8E-04 | 6 | 0.7103 | 0.6076 | 1.9926 | 75.99434 |
| 37 | 154.3 | 1.21 | -1.57 | 0.79 | 154.281 | 0.7843 | 6 | 1.71705 | 123.9557 | 2.19612 | 0 | 2.1961 | 69.252 | 0.7956 | -7E-04 | 6 | 0.6756 | 0.6106 | 1.8939 | 87.76063 |
| 38 | 124.5 | 0.97 | -2.09 | 0.78 | 124.474 | 0.7793 | 6 | 1.78727 | 121.8145 | 2.25702 | 0 | 2.257 | 54.15 | 0.7937 | -0.001 | 6 | 0.7143 | 0.5821 | 1.9877 | 67.23657 |
| 39 | 73.9 | 1.13 | -1.63 | 1.53 | 73.8801 | 1.5295 | 5 | 2.14864 | 121.6593 | 2.31785 | 0 | 2.3179 | 30.874 | 1.5791 | -0.002 | 5 | 0.8746 | 0.5037 | 2.4014 | 34.06537 |
| 40 | 80.4 | 1.64 | -2 | 2.04 | 80.3755 | 2.0404 | 5 | 2.20596 | 124.5902 | 2.38015 | 0 | 2.3802 | 32.769 | 2.1027 | -0.002 | 5 | 0.9019 | 0.4814 | 2.463 | 35.48277 |
| 41 | 89.7 | 1.14 | -2.23 | 1.27 | 89.6727 | 1.2713 | 6 | 2.03248 | 122.1962 | 2.44125 | 0 | 2.4413 | 35.732 | 1.3069 | -0.002 | 5 | 0.8375 | 0.4965 | 2.2886 | 40.93188 |
| 42 | 88.6 | 1.12 | -2.22 | 1.26 | 88.5728 | 1.2645 | 6 | 2.03504 | 122.0366 | 2.50227 | 0 | 2.5023 | 34.397 | 1.3013 | -0.002 | 5 | 0.8455 | 0.483 | 2.3019 | 39.28957 |
| 43 | 30.2 | 1.55 | -2.98 | 5.15 | 30.1635 | 5.1387 | 3 | 2.79081 | 121.7868 | 2.56316 | 0 | 2.5632 | 10.768 | 5.6159 | -0.008 | 3 | 1 | 0.4128 | 3.134 | 10.76811 |
| 44 | 29.2 | 1.44 | -2.47 | 4.93 | 29.1698 | 4.9366 | 3 | 2.78935 | 121.1665 | 2.62374 | 0 | 2.6237 | 10.118 | 5.4245 | -0.007 | 3 | 1 | 0.4033 | 3.1457 | 10.11762 |
| 45 | 65.5 | 0.77 | -3.09 | 1.17 | 65.4622 | 1.1763 | 5 | 2.11728 | 118.5576 | 2.68302 | 0 | 2.683 | 23.399 | 1.2265 | -0.004 | 5 | 0.908 | 0.4296 | 2.4436 | 25.4906 |
| 46 | 62.8 | 0.89 | -3.28 | 1.42 | 62.7599 | 1.4181 | 5 | 2.18194 | 119.5145 | 2.74278 | 0 | 2.7428 | 21.882 | 1.4829 | -0.004 | 5 | 0.9421 | 0.4077 | 2.524 | 23.12211 |
| 47 | 38.8 | 1.23 | -3.07 | 3.17 | 38.7624 | 3.1732 | 4 | 2.56843 | 120.7066 | 2.80313 | 0 | 2.8031 | 12.828 | 3.4205 | -0.006 | 3 | 1 | 0.3775 | 2.942 | 12.82826 |
| 48 | 78.1 | 0.77 | -3.37 | 0.99 | 78.0588 | 0.9864 | 6 | 2.01015 | 118.9868 | 2.86262 | 0 | 2.8626 | 26.268 | 1.024 | -0.003 | 5 | 0.8797 | 0.4166 | 2.3469 | 29.6085 |
| 49 | 114.4 | 0.93 | -3.04 | 0.82 | 114.363 | 0.8132 | 6 | 1.82761 | 121.2997 | 2.92327 | 0 | 2.9233 | 38.121 | 0.8345 | -0.002 | 5 | 0.801 | 0.4431 | 2.1323 | 46.66442 |
| 50 | 163.9 | 1.38 | -2.7 | 0.84 | 163.867 | 0.8422 | 6 | 1.71768 | 125.0646 | 2.98581 | 0 | 2.9858 | 53.882 | 0.8578 | -0.001 | 6 | 0.7514 | 0.4586 | 1.994 | 69.7347 |
| 51 | 176.6 | 1.48 | -2.68 | 0.84 | 176.567 | 0.8382 | 6 | 1.69228 | 125.7586 | 3.04869 | 0 | 3.0487 | 56.916 | 0.8529 | -0.001 | 6 | 0.7449 | 0.4547 | 1.9689 | 74.5575 |
| 52 | 131.9 | 1.1 | -2.42 | 0.84 | 131.87 | 0.8342 | 6 | 1.78644 | 122.8755 | 3.11012 | 0 | 3.1101 | 41.4 | 0.8543 | -0.001 | 5 | 0.7985 | 0.4228 | 2.1021 | 51.44896 |
| 53 | 172.5 | 1.25 | -2.02 | 0.73 | 172.475 | 0.7247 | 6 | 1.65797 | 124.4656 | 3.17236 | 0 | 3.1724 | 53.368 | 0.7383 | -9E-04 | 6 | 0.7445 | 0.4416 | 1.9523 | 70.65132 |
| 54 | 119.4 | 1.86 | -2.31 | 1.56 | 119.372 | 1.5582 | 6 | 2.00129 | 126.476 | 3.23559 | 0 | 3.2356 | 35.893 | 1.6016 | -0.001 | 5 | 0.8974 | 0.3668 | 2.347 | 40.25647 |
| 55 | 100.5 | 1.51 | -0.81 | 1.5 | 100.49 | 1.5026 | 5 | 2.04413 | 124.5307 | 3.29786 | 0 | 3.2979 | 29.471 | 1.5536 | -6E-04 | 5 | 0.9292 | 0.3477 | 2.4199 | 31.93977 |
| 56 | 136.3 | 2.01 | -0.32 | 1.48 | 136.296 | 1.4747 | 6 | 1.94377 | 127.3669 | 3.36154 | 0 | 3.3615 | 39.546 | 1.512 | -2E-04 | 5 | 0.882 | 0.3608 | 2.2909 | 45.32334 |
| 57 | 172.4 | 1.47 | -0.01 | 0.85 | 172.4 | 0.8527 | 6 | 1.70495 | 125.6507 | 3.42437 | 0 | 3.4244 | 49.345 | 0.87 | 0 | 6 | 0.7865 | 0.3971 | 2.0313 | 63.40884 |
| 58 | 193.5 | 1.57 | -0.05 | 0.81 | 193.499 | 0.8114 | 6 | 1.65349 | 126.4139 | 3.48758 | 0 | 3.4876 | 54.483 | 0.8263 | -2E-05 | 6 | 0.7677 | 0.4003 | 1.9739 | 71.87877 |
| 59 | 113.2 | 1.8 | -0.44 | 1.59 | 113.195 | 1.5902 | 5 | 2.02389 | 126.1065 | 3.55063 | 0 | 3.5506 | 30.88 | 1.6417 | -3E-04 | 5 | 0.9415 | 0.3199 | 2.4209 | 33.14803 |
| 60 | 142.5 | 2.1 | 0.38 | 1.47 | 142.505 | 1.4736 | 6 | 1.93005 | 127.796 | 3.61453 | 0 | 3.6145 | 38.426 | 1.512 | 0.0002 | 5 | 0.8994 | 0.3312 | 2.3052 | 43.47792 |
| 61 | 145 | 1.05 | -1.02 | 0.73 | 144.988 | 0.7242 | 6 | 1.71567 | 122.7664 | 3.67591 | 0 | 3.6759 | 38.443 | 0.743 | -5E-04 | 5 | 0.823 | 0.3588 | 2.0958 | 47.92152 |
| 62 | 137.4 | 1.92 | -0.13 | 1.4 | 137.398 | 1.3974 | 6 | 1.92466 | 127.0513 | 3.73944 | 0 | 3.7394 | 35.743 | 1.4365 | -7E-05 | 5 | 0.9114 | 0.3165 | 2.321 | 39.97469 |
| 63 | 175.5 | 1.87 | -0.57 | 1.07 | 175.493 | 1.0656 | 6 | 1.76625 | 127.4551 | 3.80316 | 0 | 3.8032 | 45.144 | 1.0892 | -2E-04 | 5 | 0.8449 | 0.3393 | 2.1379 | 55.05226 |
| 64 | 203.3 | 2.67 | -0.52 | 1.31 | 203.294 | 1.3134 | 6 | 1.78853 | 130.4196 | 3.86837 | 0 | 3.8684 | 51.553 | 1.3389 | -2E-04 | 5 | 0.8521 | 0.3313 | 2.1489 | 62.44867 |
| 65 | 168.1 | 1.57 | 0.14 | 0.94 | 168.102 | 0.934 | 6 | 1.73987 | 126.0707 | 3.93141 | 0 | 3.9314 | 41.759 | 0.9563 | 6E-05 | 5 | 0.8493 | 0.328 | 2.1333 | 50.89354 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 66 | 71.3 | 2.82 | 3.03 | 3.95 | 71.3371 | 3.9531 | 4 | 2.44844 | 128.2654 | 3.99554 | 0 | 3.9955 | 16.854 | 4.1876 | 0.0032 | 3 | 1 | 0.2648 | 2.9026 | 16.85417 |
| 67 | 108.1 | 2.04 | 4.53 | 1.89 | 108.155 | 1.8862 | 5 | 2.0904 | 126.9112 | 4.059 | 0 | 4.059 | 25.646 | 1.9597 | 0.0031 | 4 | 1 | 0.2607 | 2.5562 | 25.64586 |
| 68 | 85.3 | 3.08 | 5.21 | 3.61 | 85.3638 | 3.6081 | 5 | 2.36696 | 129.3485 | 4.12367 | 0 | 4.1237 | 19.701 | 3.7912 | 0.0046 | 3 | 1 | 0.2566 | 2.8229 | 19.70092 |
| 69 | 61 | 1.72 | -0.49 | 2.83 | 60.994 | 2.82 | 5 | 2.38982 | 124.2657 | 4.1858 | 0 | 4.1858 | 13.572 | 3.0277 | -6E-04 | 3 | 1 | 0.2528 | 2.8909 | 13.57163 |
| 70 | 75.4 | 2.36 | 0.94 | 3.14 | 75.4115 | 3.1295 | 5 | 2.35751 | 127.0979 | 4.24935 | 0 | 4.2494 | 16.747 | 3.3164 | 0.001 | 3 | 1 | 0.249 | 2.8416 | 16.74659 |
| 71 | 113 | 1.89 | 0.06 | 1.67 | 113.001 | 1.6726 | 5 | 2.03988 | 126.4593 | 4.31258 | 0 | 4.3126 | 25.203 | 1.7389 | 4E-05 | 4 | 1 | 0.2454 | 2.5321 | 25.20257 |
| 72 | 115.3 | 1.83 | -0.24 | 1.59 | 115.297 | 1.5872 | 6 | 2.01764 | 126.2723 | 4.37572 | 0 | 4.3757 | 25.349 | 1.6498 | -2E-04 | 5 | 1 | 0.2418 | 2.5169 | 25.34929 |
| 73 | 118.2 | 3.01 | 1.54 | 2.55 | 118.219 | 2.5461 | 5 | 2.15989 | 129.9745 | 4.44071 | 0 | 4.4407 | 25.622 | 2.6455 | 0.001 | 4 | 1 | 0.2383 | 2.6358 | 25.62164 |
| 74 | 60 | 2.39 | -0.07 | 3.99 | 59.9991 | 3.9834 | 4 | 2.50186 | 126.6327 | 4.50402 | 0 | 4.504 | 12.321 | 4.3067 | -9E-05 | 3 | 1 | 0.2349 | 3.0165 | 12.32124 |
| 75 | 76.1 | 3.21 | 77.84 | 4.15 | 77.0528 | 4.166 | 4 | 2.44323 | 129.4012 | 4.56872 | 0 | 4.5687 | 15.865 | 4.4286 | 0.0773 | 3 | 1 | 0.2316 | 2.9383 | 15.86527 |
| 76 | 109 | 2.99 | 11.27 | 2.74 | 109.138 | 2.7397 | 5 | 2.2067 | 129.7307 | 4.63359 | 0 | 4.6336 | 22.554 | 2.8611 | 0.0078 | 4 | 1 | 0.2284 | 2.7003 | 22.55366 |
| 77 | 134.1 | 2.63 | 11.22 | 1.96 | 134.237 | 1.9592 | 5 | 2.03817 | 129.2969 | 4.69824 | 0 | 4.6982 | 27.572 | 2.0303 | 0.0062 | 4 | 1 | 0.2252 | 2.5402 | 27.57186 |
| 78 | 204.2 | 1.81 | 10.72 | 0.89 | 204.331 | 0.8858 | 6 | 1.66283 | 127.5876 | 4.76203 | 0 | 4.762 | 41.908 | 0.907 | 0.0039 | 5 | 0.8871 | 0.2633 | 2.1292 | 49.66821 |
| 79 | 188.8 | 1.63 | 6.8 | 0.87 | 188.883 | 0.863 | 6 | 1.67948 | 126.6294 | 4.82534 | 0 | 4.8253 | 38.144 | 0.8856 | 0.0027 | 5 | 0.9043 | 0.2536 | 2.1668 | 44.10678 |
| 80 | 141.2 | 2.62 | 7.46 | 1.86 | 141.291 | 1.8543 | 5 | 2.00553 | 129.3939 | 4.89004 | 0 | 4.89 | 27.894 | 1.9208 | 0.0039 | 4 | 1 | 0.2164 | 2.5217 | 27.89368 |
| 81 | 62.3 | 4.71 | 9.23 | 7.55 | 62.413 | 7.5465 | 9 | 2.69963 | 131.6927 | 4.95589 | 0 | 4.9559 | 11.594 | 8.1974 | 0.0116 | 3 | 1 | 0.2135 | 3.2156 | 11.5937 |
| 82 | 111 | 4.27 | 10.34 | 3.84 | 111.127 | 3.8425 | 8 | 2.31417 | 132.3821 | 5.02208 | 0 | 5.0221 | 21.128 | 4.0243 | 0.007 | 3 | 1 | 0.2107 | 2.8162 | 21.1276 |
| 83 | 118.7 | 2.17 | 8.75 | 1.83 | 118.807 | 1.8265 | 5 | 2.052 | 127.5923 | 5.08588 | 0 | 5.0859 | 22.36 | 1.9082 | 0.0055 | 4 | 1 | 0.2081 | 2.5978 | 22.36021 |
| 84 | 144.9 | 2.45 | 8.73 | 1.69 | 145.007 | 1.6896 | 6 | 1.96808 | 128.9664 | 5.15036 | 0 | 5.1504 | 27.155 | 1.7518 | 0.0045 | 5 | 1 | 0.2054 | 2.5075 | 27.15471 |
| 85 | 184.4 | 1.64 | 8.41 | 0.89 | 184.503 | 0.8889 | 6 | 1.69572 | 126.6169 | 5.21367 | 0 | 5.2137 | 34.388 | 0.9147 | 0.0034 | 5 | 0.9506 | 0.2196 | 2.2368 | 37.20693 |
| 86 | 117.3 | 4.38 | 10.12 | 3.73 | 117.424 | 3.7301 | 8 | 2.28916 | 132.7027 | 5.28002 | 0 | 5.28 | 21.239 | 3.9057 | 0.0065 | 3 | 1 | 0.2004 | 2.8061 | 21.23929 |
| 87 | 72.5 | 4.56 | 9.27 | 6.27 | 72.6135 | 6.2798 | 9 | 2.59624 | 131.8251 | 5.34593 | 0 | 5.3459 | 12.583 | 6.7789 | 0.0099 | 3 | 1 | 0.1979 | 3.1345 | 12.58294 |
| 88 | 69 | 5.46 | 11.7 | 7.89 | 69.1432 | 7.8967 | 9 | 2.68735 | 133.0236 | 5.41244 | 0 | 5.4124 | 11.775 | 8.5673 | 0.0132 | 3 | 1 | 0.1955 | 3.2234 | 11.77486 |
| 89 | 79.2 | 6.24 | 13.06 | 7.86 | 79.3599 | 7.8629 | 9 | 2.64943 | 134.3368 | 5.47961 | 0 | 5.4796 | 13.483 | 8.4461 | 0.0127 | 3 | 1 | 0.1931 | 3.1757 | 13.48275 |
| 90 | 89.7 | 6.41 | 12.85 | 7.14 | 89.8573 | 7.1335 | 9 | 2.58325 | 134.8365 | 5.54703 | 0 | 5.547 | 15.199 | 7.6029 | 0.011 | 3 | 1 | 0.1908 | 3.1064 | 15.19917 |
| 91 | 122.4 | 6.64 | 12.42 | 5.42 | 122.552 | 5.4181 | 9 | 2.40727 | 135.8513 | 5.61495 | 0 | 5.615 | 20.826 | 5.6783 | 0.0077 | 3 | 1 | 0.1884 | 2.9199 | 20.826 |
| 92 | 150.6 | 5.95 | 13.76 | 3.95 | 150.768 | 3.9465 | 8 | 2.243 | 135.5538 | 5.68273 | 0 | 5.6827 | 25.531 | 4.101 | 0.0068 | 4 | 1 | 0.1862 | 2.7596 | 25.53098 |
| 93 | 106.5 | 5.36 | 12.97 | 5.02 | 106.659 | 5.0254 | 9 | 2.41694 | 133.9456 | 5.7497 | 0 | 5.7497 | 17.55 | 5.3117 | 0.0093 | 3 | 1 | 0.184 | 2.956 | 17.5503 |
| 94 | 216.6 | 3.38 | 13.07 | 1.56 | 216.76 | 1.5593 | 6 | 1.82719 | 132.3014 | 5.81586 | 0 | 5.8159 | 36.271 | 1.6023 | 0.0045 | 5 | 1 | 0.1819 | 2.3832 | 36.27052 |
| 95 | 221.6 | 3.6 | 12.55 | 1.62 | 221.754 | 1.6234 | 6 | 1.83454 | 132.8184 | 5.88226 | 0 | 5.8823 | 36.699 | 1.6677 | 0.0042 | 5 | 1 | 0.1799 | 2.3896 | 36.69868 |
| 96 | 193.6 | 4.54 | 14.83 | 2.34 | 193.782 | 2.3428 | 5 | 1.99616 | 134.187 | 5.94936 | 0 | 5.9494 | 31.572 | 2.4171 | 0.0057 | 4 | 1 | 0.1779 | 2.5405 | 31.57184 |
| 97 | 63.4 | 4.96 | 15.61 | 7.79 | 63.5911 | 7.7998 | 9 | 2.70571 | 132.1167 | 6.01542 | 0 | 6.0154 | 9.5714 | 8.6148 | 0.0195 | 3 | 1 | 0.1759 | 3.2925 | 9.57135 |
| 98 | 171.4 | 2.89 | 16.81 | 1.68 | 171.606 | 1.6841 | 6 | 1.91822 | 130.5857 | 6.08071 | 0 | 6.0807 | 27.221 | 1.746 | 0.0073 | 5 | 1 | 0.174 | 2.5058 | 27.22134 |
| 99 | 194.9 | 3.05 | 14.34 | 1.56 | 195.076 | 1.5635 | 6 | 1.85744 | 131.2926 | 6.14636 | 0 | 6.1464 | 30.738 | 1.6144 | 0.0055 | 5 | 1 | 0.1722 | 2.4431 | 30.73841 |
| 100 | 184.2 | 4.3 | 14.33 | 2.33 | 184.375 | 2.3322 | 5 | 2.00774 | 133.6682 | 6.21319 | 0 | 6.2132 | 28.675 | 2.4135 | 0.0058 | 4 | 1 | 0.1703 | 2.5727 | 28.67484 |
| 101 | 247 | 2.79 | 14.91 | 1.13 | 247.183 | 1.1287 | 6 | 1.68309 | 131.2181 | 6.2788 | 0 | 6.2788 | 38.368 | 1.1581 | 0.0045 | 5 | 1 | 0.1685 | 2.2815 | 38.3678 |
| 102 | 217.7 | 2.35 | 13.48 | 1.08 | 217.865 | 1.0787 | 6 | 1.70495 | 129.6544 | 6.34363 | 0 | 6.3436 | 33.344 | 1.111 | 0.0046 | 5 | 1 | 0.1668 | 2.3222 | 33.34392 |
| 103 | 267 | 2.24 | 14.28 | 0.84 | 267.175 | 0.8384 | 6 | 1.56446 | 129.8012 | 6.40853 | 0 | 6.4085 | 40.691 | 0.859 | 0.0039 | 5 | 0.9837 | 0.17 | 2.1785 | 41.90524 |
| 104 | 100.3 | 3.26 | 13.16 | 3.24 | 100.461 | 3.245 | 5 | 2.28578 | 130.1613 | 6.47361 | 0 | 6.4736 | 14.519 | 3.4686 | 0.0101 | 3 | 1 | 0.1635 | 2.9026 | 14.51856 |
| 105 | 54.1 | 3.55 | 14.12 | 6.53 | 54.2728 | 6.541 | 3 | 2.69096 | 129.283 | 6.53825 | 0 | 6.5383 | 7.3008 | 7.437 | 0.0213 | 3 | 1 | 0.1618 | 3.3419 | 7.30082 |
| 106 | 41.5 | 2.37 | 14.14 | 5.7 | 41.6731 | 5.6871 | 3 | 2.72298 | 125.6822 | 6.60109 | 0 | 6.6011 | 5.3131 | 6.7575 | 0.029 | 3 | 1 | 0.1603 | 3.4256 | 5.31306 |
| 107 | 43 | 1.99 | 13.33 | 4.61 | 43.1632 | 4.6104 | 4 | 2.64687 | 124.4892 | 6.66333 | 0 | 6.6633 | 5.4777 | 5.4521 | 0.0263 | 3 | 1 | 0.1588 | 3.3599 | 5.47771 |
| 108 | 95.1 | 3.15 | 12.75 | 3.3 | 95.2561 | 3.3069 | 5 | 2.3071 | 129.7804 | 6.72822 | 0 | 6.7282 | 13.158 | 3.5582 | 0.0104 | 3 | 1 | 0.1573 | 2.9434 | 13.15768 |
| 109 | 39.1 | 1.91 | 13.25 | 4.86 | 39.2622 | 4.8647 | 4 | 2.69239 | 123.958 | 6.7902 | 0 | 6.7902 | 4.7822 | 5.882 | 0.0294 | 3 | 1 | 0.1558 | 3.427 | 4.78218 |
| 110 | 63.6 | 3.27 | 12.57 | 5.13 | 63.7539 | 5.1291 | 4 | 2.56539 | 129.0746 | 6.85474 | 0 | 6.8547 | 8.3007 | 5.747 | 0.0159 | 3 | 1 | 0.1544 | 3.2288 | 8.3007 |
| 111 | 54.8 | 3.69 | 12.85 | 6.72 | 54.9573 | 6.7143 | 3 | 2.69602 | 129.5966 | 6.91954 | 0 | 6.9195 | 6.9423 | 7.6815 | 0.0193 | 3 | 1 | 0.1529 | 3.3678 | 6.94233 |
| 112 | 64.6 | 4.36 | 13.22 | 6.73 | 64.7618 | 6.7324 | 9 | 2.65107 | 131.2178 | 6.98515 | 0 | 6.9852 | 8.2714 | 7.5463 | 0.0165 | 3 | 1 | 0.1515 | 3.3038 | 8.27136 |
| 113 | 78.8 | 5.04 | 13.23 | 6.38 | 78.9619 | 6.3828 | 9 | 2.57904 | 132.7618 | 7.05153 | 0 | 7.0515 | 10.198 | 7.0087 | 0.0133 | 3 | 1 | 0.1501 | 3.2134 | 10.19785 |
| 114 | 84.3 | 4.51 | 13.79 | 5.34 | 84.4688 | 5.3393 | 9 | 2.50016 | 132.1133 | 7.11759 | 0 | 7.1176 | 10.868 | 5.8306 | 0.0128 | 3 | 1 | 0.1487 | 3.1411 | 10.86762 |
| 115 | 59.9 | 4.74 | 14.67 | 7.88 | 60.0796 | 7.8895 | 3 | 2.72505 | 131.6462 | 7.18341 | 0 | 7.1834 | 7.3637 | 8.961 | 0.02 | 3 | 1 | 0.1473 | 3.3903 | 7.36366 |
| 116 | 61.1 | 4.47 | 14.94 | 7.3 | 61.2829 | 7.2941 | 3 | 2.69319 | 131.2654 | 7.24904 | 0 | 7.249 | 7.4539 | 8.2726 | 0.0199 | 3 | 1 | 0.146 | 3.3641 | 7.45393 |
| 117 | 36.7 | 2.76 | 15.39 | 7.48 | 36.8884 | 7.482 | 3 | 2.84618 | 126.4994 | 7.31229 | 0 | 7.3123 | 4.0447 | 9.3319 | 0.0375 | 2 | 1 | 0.1447 | 3.6046 | 4.04471 |
| 118 | 29.5 | 2.13 | 16.08 | 7.16 | 29.6968 | 7.1725 | 3 | 2.89761 | 124.0746 | 7.37433 | 0 | 7.3743 | 3.0271 | 9.542 | 0.0519 | 2 | 1 | 0.1435 | 3.7111 | 3.02705 |
| 119 | 29.5 | 2.03 | 16.18 | 6.83 | 29.698 | 6.8355 | 3 | 2.88266 | 123.7229 | 7.43619 | 0 | 7.4362 | 2.9937 | 9.1187 | 0.0523 | 2 | 1 | 0.1423 | 3.7034 | 2.99372 |
| 120 | 29.8 | 1.81 | 15.99 | 6.03 | 29.9957 | 6.0342 | 3 | 2.84124 | 122.9079 | 7.49764 | 0 | 7.4976 | 3.0007 | 8.0451 | 0.0512 | 2 | 1 | 0.1411 | 3.6708 | 3.00069 |
| 121 | 187.9 | 3.59 | 15.31 | 1.91 | 188.087 | 1.9087 | 6 | 1.93417 | 132.3964 | 7.56384 | 0 | 7.5638 | 23.867 | 1.9887 | 0.0061 | 4 | 1 | 0.1399 | 2.5852 | 23.86665 |
| 122 | 298.6 | 3.35 | 15.8 | 1.12 | 298.793 | 1.1212 | 6 | 1.62811 | 133.019 | 7.63035 | 0 | 7.6304 | 38.159 | 1.1506 | 0.0039 | 5 | 1 | 0.1387 | 2.2818 | 38.15854 |
| 123 | 209.5 | 5 | 16.8 | 2.38 | 209.706 | 2.3843 | 5 | 1.98174 | 135.0858 | 7.69789 | 0 | 7.6979 | 26.242 | 2.4752 | 0.006 | 4 | 1 | 0.1375 | 2.6097 | 26.24195 |
| 124 | 325 | 3.9 | 17.2 | 1.2 | 325.211 | 1.1992 | 6 | 1.62855 | 134.3379 | 7.76506 | 0 | 7.7651 | 40.881 | 1.2286 | 0.0039 | 5 | 1 | 0.1363 | 2.2734 | 40.88125 |
| 125 | 339.9 | 3.51 | 17.5 | 1.03 | 340.114 | 1.032 | 6 | 1.56498 | 133.6763 | 7.8319 | 0 | 7.8319 | 42.427 | 1.0563 | 0.0038 | 5 | 1 | 0.1351 | 2.2229 | 42.42677 |
| 126 | 345 | 3 | 17.51 | 0.87 | 345.214 | 0.869 | 6 | 1.50271 | 132.5638 | 7.89818 | 0 | 7.8982 | 42.708 | 0.8894 | 0.0037 | 5 | 1 | 0.134 | 2.1796 | 42.70807 |
| 127 | 341.4 | 3.25 | 16.85 | 0.95 | 341.606 | 0.9514 | 6 | 1.5361 | 133.1239 | 7.96475 | 0 | 7.9648 | 41.89 | 0.9741 | 0.0036 | 5 | 1 | 0.1329 | 2.208 | 41.88979 |
| 128 | 369.7 | 3.53 | 17.86 | 0.95 | 369.919 | 0.9543 | 6 | 1.51574 | 133.9228 | 8.03171 | 0 | 8.0317 | 45.057 | 0.9754 | 0.0036 | 5 | 1 | 0.1317 | 2.1819 | 45.05729 |
| 129 | 330.9 | 3.11 | 17.77 | 0.94 | 331.118 | 0.9392 | 6 | 1.54028 | 132.7256 | 8.09807 | 0 | 8.0981 | 39.888 | 0.9628 | 0.004 | 5 | 1 | 0.1307 | 2.2231 | 39.88845 |
| 130 | 422.8 | 4.17 | 20.72 | 0.99 | 423.054 | 0.9857 | 6 | 1.49225 | 135.4692 | 8.1658 | 0 | 8.1658 | 50.808 | 1.0051 | 0.0036 | 5 | 1 | 0.1296 | 2.1461 | 50.80796 |
| 131 | 312.2 | 3.61 | 21.89 | 1.16 | 312.468 | 1.1553 | 6 | 1.62628 | 133.6751 | 8.23264 | 0 | 8.2326 | 36.955 | 1.1866 | 0.0052 | 5 | 1 | 0.1285 | 2.3009 | 36.95476 |
| 132 | 60.1 | 2.69 | 21.46 | 4.45 | 60.3627 | 4.4564 | 4 | 2.53576 | 127.5126 | 8.2964 | 0 | 8.2964 | 6.2758 | 5.1665 | 0.0297 | 3 | 1 | 0.1275 | 3.2983 | 6.27577 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 133 | 200.4 | 4.48 | 24.38 | 2.23 | 200.698 | 2.2322 | 6 | 1.97022 | 134.1752 | 8.36349 | 0 | 8.3635 | 22.997 | 2.3293 | 0.0091 | 4 | 1 | 0.1265 | 2.639 | 22.99698 |
| 134 | 187.6 | 3.74 | 22.1 | 1.99 | 187.871 | 1.9907 | 6 | 1.9487 | 132.6931 | 8.42983 | 0 | 8.4298 | 21.286 | 2.0843 | 0.0089 | 4 | 1 | 0.1255 | 2.6374 | 21.28639 |
| 135 | 105.5 | 3.71 | 18.17 | 3.51 | 105.722 | 3.5092 | 5 | 2.29737 | 131.2319 | 8.49545 | 0 | 8.4955 | 11.445 | 3.8158 | 0.0135 | 3 | 1 | 0.1246 | 3.0101 | 11.44459 |
| 136 | 61.4 | 3.46 | 20.55 | 5.61 | 61.6515 | 5.6122 | 4 | 2.60444 | 129.406 | 8.56015 | 0 | 8.5602 | 6.2022 | 6.5171 | 0.0279 | 3 | 1 | 0.1236 | 3.3625 | 6.20215 |
| 137 | 42.5 | 1.52 | 20.44 | 3.55 | 42.7502 | 3.5555 | 4 | 2.57081 | 122.4944 | 8.6214 | 0 | 8.6214 | 3.9586 | 4.4537 | 0.0431 | 3 | 1 | 0.1227 | 3.4268 | 3.95861 |
| 138 | 41.5 | 1.39 | 20.46 | 3.32 | 41.7504 | 3.3293 | 4 | 2.55875 | 121.7825 | 8.68229 | 0 | 8.6823 | 3.8087 | 4.2034 | 0.0446 | 3 | 1 | 0.1219 | 3.4273 | 3.80869 |
| 139 | 41.6 | 1.44 | 20.56 | 3.43 | 41.8517 | 3.4407 | 4 | 2.56774 | 122.047 | 8.74331 | 0 | 8.7433 | 3.7867 | 4.3494 | 0.0447 | 3 | 1 | 0.121 | 3.4374 | 3.7867 |
| 140 | 107 | 6.51 | 23.26 | 6.06 | 107.285 | 6.068 | 9 | 2.48102 | 135.3821 | 8.811 | 0 | 8.811 | 11.176 | 6.6109 | 0.017 | 3 | 1 | 0.1201 | 3.1666 | 11.17622 |
| 141 | 164.2 | 6.01 | 24.49 | 3.65 | 164.5 | 3.6535 | 8 | 2.19369 | 135.8398 | 8.87892 | 0 | 8.8789 | 17.527 | 3.862 | 0.0113 | 3 | 1 | 0.1192 | 2.8672 | 17.52699 |
| 142 | 303.6 | 4.12 | 23.35 | 1.36 | 303.886 | 1.3558 | 6 | 1.68884 | 134.5741 | 8.94621 | 0 | 8.9462 | 32.968 | 1.3969 | 0.0057 | 5 | 1 | 0.1183 | 2.3819 | 32.9681 |
| 143 | 304 | 4.26 | 33.01 | 1.4 | 304.404 | 1.3995 | 6 | 1.69945 | 134.8227 | 9.01362 | 0 | 9.0136 | 32.772 | 1.4422 | 0.0081 | 5 | 1 | 0.1174 | 2.392 | 32.77156 |
| 144 | 374.3 | 3.85 | 33.38 | 1.03 | 374.709 | 1.0275 | 6 | 1.53792 | 134.5891 | 9.08092 | 0 | 9.0809 | 40.263 | 1.053 | 0.0066 | 5 | 1 | 0.1165 | 2.241 | 40.2633 |
| 145 | 196.2 | 4.11 | 29.71 | 2.09 | 196.564 | 2.0909 | 6 | 1.95323 | 133.4937 | 9.14766 | 0 | 9.1477 | 20.488 | 2.193 | 0.0114 | 4 | 1 | 0.1157 | 2.6638 | 20.48785 |
| 146 | 87.8 | 4.11 | 32.83 | 4.66 | 88.2018 | 4.6598 | 9 | 2.44243 | 131.5392 | 9.21343 | 0 | 9.2134 | 8.5732 | 5.2033 | 0.0299 | 3 | 1 | 0.1148 | 3.1914 | 8.57318 |
| 147 | 360.2 | 7.35 | 43.68 | 2.04 | 360.735 | 2.0375 | 6 | 1.79353 | 137.28 | 9.28207 | 0 | 9.2821 | 37.864 | 2.0913 | 0.009 | 5 | 1 | 0.114 | 2.4396 | 37.86359 |
| 148 | 410.8 | 5.11 | 32.42 | 1.24 | 411.197 | 1.2427 | 6 | 1.58203 | 136.8873 | 9.35052 | 0 | 9.3505 | 42.976 | 1.2716 | 0.0058 | 5 | 1 | 0.1132 | 2.2644 | 42.97584 |
| 149 | 445.3 | 4.68 | 42.78 | 1.05 | 445.824 | 1.0497 | 6 | 1.50164 | 136.4414 | 9.41874 | 0 | 9.4187 | 46.334 | 1.0724 | 0.0071 | 5 | 1 | 0.1123 | 2.195 | 46.33369 |
| 150 | 387.9 | 2.4 | 43.79 | 0.62 | 388.436 | 0.6179 | 6 | 1.35695 | 131.2188 | 9.48435 | 0 | 9.4844 | 39.955 | 0.6333 | 0.0083 | 5 | 1 | 0.1116 | 2.1295 | 39.95548 |
| 151 | 392.3 | 3.77 | 23.71 | 0.96 | 392.59 | 0.9603 | 6 | 1.50228 | 134.5491 | 9.55162 | 0 | 9.5516 | 40.102 | 0.9842 | 0.0045 | 5 | 1 | 0.1108 | 2.2264 | 40.10194 |
| 152 | 189.6 | 4.64 | 22.25 | 2.44 | 189.872 | 2.4438 | 5 | 2.0161 | 134.2967 | 9.61877 | 0 | 9.6188 | 18.74 | 2.5742 | 0.0089 | 4 | 1 | 0.11 | 2.7362 | 18.73977 |
| 153 | 113.5 | 6.36 | 25.74 | 5.59 | 113.815 | 5.588 | 9 | 2.43699 | 135.3556 | 9.68645 | 0 | 9.6865 | 10.75 | 6.1078 | 0.0178 | 3 | 1 | 0.1092 | 3.1576 | 10.74993 |
| 154 | 215.5 | 5.8 | 31.35 | 2.69 | 215.884 | 2.6866 | 5 | 2.01648 | 136.2426 | 9.75457 | 0 | 9.7546 | 21.132 | 2.8138 | 0.011 | 4 | 1 | 0.1085 | 2.7181 | 21.13155 |
| 155 | 386.3 | 5.25 | 28.97 | 1.36 | 386.655 | 1.3578 | 6 | 1.62886 | 136.935 | 9.82304 | 0 | 9.823 | 38.362 | 1.3932 | 0.0055 | 5 | 1 | 0.1077 | 2.3276 | 38.36202 |
| 156 | 213.6 | 5.27 | 28.37 | 2.46 | 213.947 | 2.4632 | 5 | 1.98805 | 135.5194 | 9.8908 | 0 | 9.8908 | 20.631 | 2.5826 | 0.01 | 4 | 1 | 0.107 | 2.7037 | 20.63094 |
| 157 | 134.6 | 6.25 | 26.92 | 4.63 | 134.93 | 4.6321 | 9 | 2.32761 | 135.643 | 9.95862 | 0 | 9.9586 | 12.549 | 5.0012 | 0.0155 | 3 | 1 | 0.1063 | 3.0506 | 12.54902 |
| 158 | 112.1 | 5.92 | 26.33 | 5.27 | 112.422 | 5.2659 | 9 | 2.4194 | 134.801 | 10.02602 | 0 | 10.026 | 10.213 | 5.7815 | 0.0185 | 3 | 1 | 0.1055 | 3.1598 | 10.21305 |
| 159 | 148.2 | 6.09 | 29.45 | 4.1 | 148.56 | 4.0993 | 8 | 2.26013 | 135.688 | 10.09386 | 0 | 10.094 | 13.718 | 4.3982 | 0.0153 | 3 | 1 | 0.1048 | 2.9855 | 13.7179 |
| 160 | 127.1 | 7.21 | 28.46 | 5.65 | 127.448 | 5.6572 | 9 | 2.41268 | 136.5494 | 10.16214 | 0 | 10.162 | 11.541 | 6.1474 | 0.0175 | 3 | 1 | 0.1041 | 3.1356 | 11.54149 |
| 161 | 183.3 | 8.29 | 30.34 | 4.51 | 183.671 | 4.5135 | 9 | 2.2423 | 137.28 | 10.23078 | 0 | 10.231 | 16.953 | 4.7797 | 0.0126 | 3 | 1 | 0.1034 | 2.9375 | 16.95283 |
| 162 | 181.2 | 7.85 | 34.59 | 4.32 | 181.623 | 4.3221 | 8 | 2.22929 | 137.28 | 10.29942 | 0 | 10.299 | 16.634 | 4.582 | 0.0145 | 3 | 1 | 0.1027 | 2.932 | 16.63434 |
| 163 | 190.1 | 6.28 | 32.86 | 3.3 | 190.502 | 3.2966 | 8 | 2.12042 | 136.5193 | 10.36768 | 0 | 10.368 | 17.375 | 3.4863 | 0.0131 | 3 | 1 | 0.1021 | 2.8424 | 17.37463 |
| 164 | 351.9 | 4.88 | 29.8 | 1.39 | 352.265 | 1.3853 | 6 | 1.65888 | 136.1731 | 10.43576 | 0 | 10.436 | 32.756 | 1.4276 | 0.0063 | 5 | 1 | 0.1014 | 2.3897 | 32.75553 |
| 165 | 350.8 | 5.73 | 30.83 | 1.63 | 351.177 | 1.6317 | 6 | 1.71844 | 137.28 | 10.5044 | 0 | 10.504 | 32.431 | 1.682 | 0.0065 | 5 | 1 | 0.1007 | 2.4348 | 32.43144 |
| 166 | 364.7 | 5.03 | 30.94 | 1.38 | 365.079 | 1.3778 | 6 | 1.64811 | 136.4817 | 10.57264 | 0 | 10.573 | 33.531 | 1.4189 | 0.0063 | 5 | 1 | 0.1001 | 2.3798 | 33.5305 |
| 167 | 471.4 | 6.94 | 35.48 | 1.47 | 471.834 | 1.4709 | 6 | 1.61213 | 137.28 | 10.64128 | 0 | 10.641 | 43.34 | 1.5048 | 0.0055 | 5 | 1 | 0.0994 | 2.3051 | 43.33998 |
| 168 | 449.9 | 4.08 | 31.61 | 0.91 | 450.287 | 0.9061 | 6 | 1.44675 | 135.4618 | 10.70901 | 0 | 10.709 | 41.047 | 0.9282 | 0.0052 | 5 | 1 | 0.0988 | 2.2041 | 41.04746 |
| 169 | 461.6 | 5.19 | 31.37 | 1.12 | 461.984 | 1.1234 | 6 | 1.51757 | 137.28 | 10.77765 | 0 | 10.778 | 41.865 | 1.1503 | 0.005 | 5 | 1 | 0.0982 | 2.2486 | 41.86498 |
| 170 | 431.5 | 4.63 | 29.61 | 1.07 | 431.862 | 1.0721 | 6 | 1.517 | 136.2852 | 10.8458 | 0 | 10.846 | 38.818 | 1.0997 | 0.0051 | 5 | 1 | 0.0976 | 2.2647 | 38.81841 |
| 171 | 408.5 | 4.55 | 30.61 | 1.11 | 408.875 | 1.1128 | 6 | 1.54383 | 136.0242 | 10.91381 | 0 | 10.914 | 36.464 | 1.1433 | 0.0055 | 5 | 1 | 0.097 | 2.2967 | 36.46397 |
| 172 | 497.9 | 4.83 | 33.16 | 0.97 | 498.306 | 0.9693 | 6 | 1.44596 | 136.9436 | 10.98228 | 0 | 10.982 | 44.374 | 0.9911 | 0.0049 | 5 | 1 | 0.0964 | 2.1913 | 44.37362 |
| 173 | 319.2 | 5.63 | 33.03 | 1.76 | 319.604 | 1.7616 | 6 | 1.76884 | 136.9818 | 11.05077 | 0 | 11.051 | 27.921 | 1.8246 | 0.0077 | 4 | 1 | 0.0958 | 2.5081 | 27.92144 |
| 174 | 118.5 | 6.22 | 42.27 | 5.22 | 119.017 | 5.2261 | 9 | 2.40206 | 135.3018 | 11.11842 | 0 | 11.118 | 9.7045 | 5.7647 | 0.0282 | 3 | 1 | 0.0952 | 3.1763 | 9.70452 |
| 175 | 66 | 3.18 | 37.95 | 4.79 | 66.4645 | 4.7845 | 4 | 2.53076 | 128.9719 | 11.18291 | 0 | 11.183 | 4.9434 | 5.7524 | 0.0494 | 3 | 1 | 0.0946 | 3.4097 | 4.9434 |

| | CPT-2 | In situ data | | | Basic output data | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth (ft) | qc (tsf) | fs (tsf) | u (psi) | Other | qt (tsf) | Rf(%) | SBT | Ic SBT | ã (pcf) | ó,v (tsf) | u0 (tsf) | ó',vo (tsf) | Qt1 | Fr (%) | Bq | SBTn | n | Cn | Ic | Qtn |
| 1 | 124.9 | 1.23 | 1.79 | 0.99 | 124.922 | 0.9846 | 6 | 1.85098 | 123.5608 | 0.06178 | 0 | 0.0618 | 2021 | 0.9851 | 0.001 | 6 | 0.4762 | 2 | 1.6359 | 236.0064 |
| 2 | 70.2 | 0.59 | 2.05 | 0.83 | 70.2251 | 0.8402 | 6 | 2.00639 | 116.7806 | 0.12017 | 0 | 0.1202 | 583.38 | 0.8416 | 0.0021 | 6 | 0.5295 | 2 | 1.7685 | 132.51 |
| 3 | 31.7 | 0.32 | 1.7 | 1.02 | 31.7208 | 1.0088 | 5 | 2.33891 | 110.3657 | 0.17535 | 0 | 0.1754 | 179.9 | 1.0144 | 0.0039 | 5 | 0.6552 | 2 | 2.0917 | 59.62615 |
| 4 | 50.3 | 0.36 | 1.84 | 0.71 | 50.3225 | 0.7154 | 5 | 2.09013 | 112.353 | 0.23153 | 0 | 0.2315 | 216.35 | 0.7187 | 0.0026 | 6 | 0.5625 | 2 | 1.8413 | 94.6803 |
| 5 | 64.2 | 0.4 | 1.91 | 0.62 | 64.2234 | 0.6228 | 6 | 1.96834 | 113.7189 | 0.28839 | 0 | 0.2884 | 221.7 | 0.6256 | 0.0022 | 6 | 0.5215 | 1.9697 | 1.7255 | 119.0147 |
| 6 | 47 | 0.24 | 1.8 | 0.5 | 47.022 | 0.5104 | 6 | 2.04488 | 109.2208 | 0.343 | 0 | 0.343 | 136.09 | 0.5142 | 0.0028 | 6 | 0.556 | 1.8707 | 1.8111 | 82.52464 |
| 7 | 54.4 | 0.35 | 1.8 | 0.65 | 54.422 | 0.6431 | 6 | 2.0373 | 112.3379 | 0.39917 | 0 | 0.3992 | 135.34 | 0.6479 | 0.0024 | 6 | 0.5687 | 1.7409 | 1.8379 | 88.88559 |
| 8 | 72.1 | 0.48 | 1.99 | 0.66 | 72.1244 | 0.6655 | 6 | 1.94066 | 115.3359 | 0.45684 | 0 | 0.4568 | 156.88 | 0.6698 | 0.002 | 6 | 0.5489 | 1.5857 | 1.7789 | 107.4051 |
| 9 | 78.5 | 0.53 | 2.09 | 0.67 | 78.5256 | 0.6749 | 6 | 1.91296 | 116.2683 | 0.51497 | 0 | 0.515 | 151.49 | 0.6794 | 0.0019 | 6 | 0.5504 | 1.4864 | 1.7755 | 109.5889 |
| 10 | 83.5 | 0.5 | 2.17 | 0.6 | 83.5266 | 0.5986 | 6 | 1.86218 | 115.9926 | 0.57297 | 0 | 0.573 | 144.78 | 0.6028 | 0.0019 | 6 | 0.5421 | 1.3945 | 1.7461 | 109.3225 |
| 11 | 54.8 | 0.39 | 1.99 | 0.72 | 54.8244 | 0.7114 | 6 | 2.05703 | 113.1477 | 0.62954 | 0 | 0.6295 | 86.086 | 0.7196 | 0.0026 | 6 | 0.621 | 1.3805 | 1.9458 | 70.70654 |
| 12 | 74 | 0.46 | 1.99 | 0.62 | 74.0244 | 0.6214 | 6 | 1.91522 | 115.0879 | 0.68709 | 0 | 0.6871 | 106.74 | 0.6272 | 0.002 | 6 | 0.5794 | 1.2843 | 1.8296 | 89.01223 |
| 13 | 48.1 | 0.44 | 1.99 | 0.91 | 48.1244 | 0.9143 | 5 | 2.16308 | 113.7124 | 0.74394 | 0 | 0.7439 | 63.688 | 0.9287 | 0.003 | 5 | 0.6799 | 1.2706 | 2.0861 | 56.89738 |
| 14 | 66.2 | 0.61 | 2.09 | 0.92 | 66.2256 | 0.9211 | 6 | 2.05017 | 116.8815 | 0.80238 | 0 | 0.8024 | 81.536 | 0.9324 | 0.0023 | 6 | 0.6478 | 1.1963 | 1.9946 | 73.96678 |
| 15 | 105 | 0.73 | 2.09 | 0.7 | 105.026 | 0.6951 | 6 | 1.81613 | 119.3202 | 0.86204 | 0 | 0.862 | 120.83 | 0.7008 | 0.0014 | 6 | 0.569 | 1.1237 | 1.7803 | 110.619 |
| 16 | 111.1 | 0.79 | 2.09 | 0.71 | 111.126 | 0.7109 | 6 | 1.8021 | 120.0359 | 0.92206 | 0 | 0.9221 | 119.52 | 0.7169 | 0.0014 | 6 | 0.5718 | 1.0819 | 1.7798 | 112.6792 |
| 17 | 78.7 | 0.46 | 1.99 | 0.58 | 78.7244 | 0.5843 | 6 | 1.87841 | 115.2381 | 0.97968 | 0 | 0.9797 | 79.357 | 0.5917 | 0.0018 | 6 | 0.6083 | 1.048 | 1.8686 | 76.99908 |
| 18 | 43.3 | 0.3 | 1.61 | 0.69 | 43.3197 | 0.6925 | 5 | 2.13918 | 110.6535 | 1.03501 | 0 | 1.035 | 40.855 | 0.7095 | 0.0027 | 5 | 0.7171 | 1.016 | 2.1476 | 40.60023 |
| 19 | 61.7 | 0.43 | 1.71 | 0.7 | 61.7209 | 0.6967 | 6 | 2.00848 | 114.1511 | 1.09208 | 0 | 1.0921 | 55.517 | 0.7092 | 0.002 | 6 | 0.6739 | 0.9789 | 2.027 | 56.09188 |
| 20 | 83.1 | 0.5 | 1.88 | 0.6 | 83.123 | 0.6015 | 6 | 1.86508 | 115.9808 | 1.15007 | 0 | 1.1501 | 71.276 | 0.61 | 0.0017 | 6 | 0.6255 | 0.9492 | 1.8926 | 73.5363 |
| 21 | 73.6 | 0.6 | 1.52 | 0.82 | 73.6186 | 0.815 | 6 | 1.98203 | 117.0187 | 1.20858 | 0 | 1.2086 | 59.913 | 0.8286 | 0.0015 | 6 | 0.6785 | 0.9137 | 2.0243 | 62.53016 |
| 22 | 90.4 | 0.83 | 1.79 | 0.92 | 90.4219 | 0.9179 | 6 | 1.94043 | 119.8944 | 1.26853 | 0 | 1.2685 | 70.281 | 0.931 | 0.0015 | 6 | 0.6687 | 0.8858 | 1.991 | 74.63338 |
| 23 | 117 | 0.64 | 2.12 | 0.55 | 117.026 | 0.5469 | 6 | 1.71807 | 118.6214 | 1.32784 | 0 | 1.3278 | 87.133 | 0.5532 | 0.0013 | 6 | 0.5884 | 0.8749 | 1.7734 | 95.66854 |
| 24 | 113.3 | 0.68 | 1.9 | 0.6 | 113.323 | 0.6001 | 6 | 1.75231 | 118.9865 | 1.38733 | 0 | 1.3873 | 80.684 | 0.6075 | 0.0012 | 6 | 0.6086 | 0.848 | 1.819 | 89.70859 |
| 25 | 105.4 | 0.68 | 1.9 | 0.64 | 105.423 | 0.645 | 6 | 1.796 | 118.8103 | 1.44674 | 0 | 1.4467 | 71.87 | 0.654 | 0.0013 | 6 | 0.6329 | 0.8204 | 1.8754 | 80.61499 |
| 26 | 130.2 | 0.68 | 1.99 | 0.52 | 130.224 | 0.5222 | 6 | 1.66837 | 119.3256 | 1.5064 | 0 | 1.5064 | 85.447 | 0.5283 | 0.0011 | 6 | 0.5883 | 0.8124 | 1.7507 | 98.8245 |
| 27 | 135.5 | 0.84 | 2.05 | 0.62 | 135.525 | 0.6198 | 6 | 1.69738 | 120.969 | 1.56688 | 0 | 1.5669 | 85.493 | 0.6271 | 0.0011 | 6 | 0.6055 | 0.7884 | 1.7883 | 99.81705 |
| 28 | 144.2 | 0.9 | 2.24 | 0.62 | 144.227 | 0.624 | 6 | 1.67754 | 121.6257 | 1.6277 | 0 | 1.6277 | 87.608 | 0.6311 | 0.0011 | 6 | 0.6035 | 0.7711 | 1.7756 | 103.9226 |
| 29 | 133.9 | 0.87 | 2.28 | 0.65 | 133.928 | 0.6496 | 6 | 1.71373 | 121.1969 | 1.6883 | 0 | 1.6883 | 78.327 | 0.6579 | 0.0012 | 6 | 0.6249 | 0.7468 | 1.8242 | 93.33193 |
| 30 | 141.3 | 0.76 | 2.21 | 0.54 | 141.327 | 0.5378 | 6 | 1.64644 | 120.339 | 1.74847 | 0 | 1.7485 | 79.829 | 0.5445 | 0.0011 | 6 | 0.6045 | 0.7381 | 1.7632 | 97.36928 |
| 31 | 140.3 | 1.26 | 1.99 | 0.9 | 140.324 | 0.8979 | 6 | 1.78661 | 124.0207 | 1.81048 | 0 | 1.8105 | 76.507 | 0.9097 | 0.001 | 6 | 0.665 | 0.6997 | 1.9142 | 91.58994 |
| 32 | 156 | 1.14 | 2.18 | 0.73 | 156.027 | 0.7306 | 6 | 1.69348 | 123.5471 | 1.87225 | 0 | 1.8723 | 82.336 | 0.7395 | 0.001 | 6 | 0.6337 | 0.6966 | 1.8243 | 101.4802 |
| 33 | 124.8 | 0.87 | 1.98 | 0.7 | 124.824 | 0.697 | 6 | 1.75656 | 121.0252 | 1.93276 | 0 | 1.9328 | 63.583 | 0.7079 | 0.0012 | 6 | 0.6685 | 0.6685 | 1.9082 | 77.6385 |
| 34 | 119.5 | 0.82 | 1.99 | 0.69 | 119.524 | 0.6861 | 6 | 1.76748 | 120.4863 | 1.99301 | 0 | 1.993 | 58.972 | 0.6977 | 0.0012 | 6 | 0.68 | 0.6502 | 1.9308 | 72.21699 |
| 35 | 83.4 | 1.15 | 2.01 | 1.38 | 83.4246 | 1.3785 | 5 | 2.07919 | 122.084 | 2.05405 | 0 | 2.0541 | 39.615 | 1.4133 | 0.0018 | 5 | 0.8148 | 0.5825 | 2.2772 | 44.79354 |
| 36 | 85.7 | 0.92 | 2.09 | 1.08 | 85.7256 | 1.0732 | 6 | 2.00056 | 120.5176 | 2.11431 | 0 | 2.1143 | 39.546 | 1.1003 | 0.0018 | 5 | 0.7906 | 0.5785 | 2.2062 | 45.71297 |
| 37 | 139.8 | 1.19 | 2.12 | 0.85 | 139.826 | 0.8511 | 6 | 1.77258 | 123.5938 | 2.1761 | 0 | 2.1761 | 63.255 | 0.8645 | 0.0011 | 6 | 0.6973 | 0.6048 | 1.9535 | 78.68159 |
| 38 | 102 | 1.45 | 2.19 | 1.42 | 102.027 | 1.4212 | 6 | 2.02283 | 124.271 | 2.23824 | 0 | 2.2382 | 44.584 | 1.4531 | 0.0016 | 5 | 0.8081 | 0.5458 | 2.2367 | 51.47735 |
| 39 | 79.6 | 1.34 | 2.47 | 1.68 | 79.6302 | 1.6828 | 5 | 2.15176 | 123.0893 | 2.29978 | 0 | 2.2998 | 33.625 | 1.7328 | 0.0023 | 5 | 0.8714 | 0.5084 | 2.3954 | 37.15414 |
| 40 | 121.3 | 1.38 | 1.71 | 1.14 | 121.321 | 1.1375 | 6 | 1.90205 | 124.3314 | 2.36195 | 0 | 2.362 | 50.365 | 1.1601 | 0.001 | 5 | 0.7699 | 0.5389 | 2.1208 | 60.58599 |
| 41 | 134.8 | 1.14 | 1.71 | 0.85 | 134.821 | 0.8456 | 6 | 1.78285 | 123.1908 | 2.42354 | 0 | 2.4235 | 54.63 | 0.861 | 0.0009 | 6 | 0.7274 | 0.5473 | 2.0014 | 68.47713 |
| 42 | 114.8 | 1.04 | 1.71 | 0.9 | 114.821 | 0.9058 | 6 | 1.85558 | 122.1274 | 2.48461 | 0 | 2.4846 | 45.213 | 0.9258 | 0.0011 | 5 | 0.7664 | 0.5198 | 2.0963 | 55.19004 |
| 43 | 89.8 | 1.23 | 1.52 | 1.37 | 89.8186 | 1.3694 | 5 | 2.05314 | 122.7562 | 2.54599 | 0 | 2.546 | 34.279 | 1.4094 | 0.0013 | 5 | 0.8567 | 0.4713 | 2.3259 | 38.87502 |
| 44 | 106.4 | 1.25 | 1.61 | 1.17 | 106.42 | 1.1746 | 6 | 1.95381 | 123.2879 | 2.60763 | 0 | 2.6076 | 39.811 | 1.2041 | 0.0011 | 5 | 0.8194 | 0.4776 | 2.2201 | 46.85489 |
| 45 | 64.6 | 1.74 | 1.73 | 2.69 | 64.6212 | 2.6926 | 5 | 2.35785 | 124.4912 | 2.66988 | 0 | 2.6699 | 23.204 | 2.8087 | 0.002 | 4 | 0.9994 | 0.3965 | 2.6854 | 23.21705 |
| 46 | 77 | 1.12 | 1.75 | 1.45 | 77.0214 | 1.4541 | 5 | 2.12061 | 121.6958 | 2.73072 | 0 | 2.7307 | 27.206 | 1.5076 | 0.0017 | 5 | 0.9082 | 0.4227 | 2.4383 | 29.67918 |
| 47 | 102.5 | 1.25 | 1.8 | 1.22 | 102.522 | 1.2193 | 6 | 1.97668 | 123.1968 | 2.79232 | 0 | 2.7923 | 35.716 | 1.2534 | 0.0013 | 5 | 0.8488 | 0.4388 | 2.2743 | 41.36179 |
| 48 | 153 | 1.46 | 1.99 | 0.95 | 153.024 | 0.9541 | 6 | 1.7761 | 125.31 | 2.85498 | 0 | 2.855 | 52.599 | 0.9722 | 0.001 | 6 | 0.7636 | 0.4687 | 2.0425 | 66.51146 |
| 49 | 174.8 | 1.63 | 2.09 | 0.93 | 174.826 | 0.9324 | 6 | 1.72697 | 126.4408 | 2.9182 | 0 | 2.9182 | 58.909 | 0.9482 | 0.0009 | 6 | 0.7461 | 0.4691 | 1.9885 | 76.2196 |
| 50 | 184.2 | 1.75 | 2.19 | 0.95 | 184.227 | 0.9499 | 6 | 1.7162 | 127.0883 | 2.98174 | 0 | 2.9817 | 60.785 | 0.9655 | 0.0009 | 6 | 0.746 | 0.4617 | 1.9805 | 79.07931 |
| 51 | 195 | 1.6 | 2.37 | 0.82 | 195.029 | 0.8204 | 6 | 1.65428 | 126.5716 | 3.04503 | 0 | 3.045 | 63.048 | 0.8334 | 0.0009 | 6 | 0.7262 | 0.4641 | 1.9203 | 84.21212 |
| 52 | 185.4 | 1.45 | 2.37 | 0.78 | 185.429 | 0.782 | 6 | 1.65624 | 125.7282 | 3.10789 | 0 | 3.1079 | 58.664 | 0.7953 | 0.0009 | 6 | 0.7348 | 0.4531 | 1.935 | 78.06691 |
| 53 | 133.7 | 2.01 | 2.37 | 1.5 | 133.729 | 1.503 | 6 | 1.95545 | 127.3205 | 3.17155 | 0 | 3.1716 | 41.165 | 1.5396 | 0.0013 | 5 | 0.8686 | 0.3854 | 2.2793 | 47.55282 |
| 54 | 187.4 | 1.98 | 2.66 | 1.06 | 187.433 | 1.0564 | 6 | 1.74345 | 128.0339 | 3.23557 | 0 | 3.2356 | 56.929 | 1.0749 | 0.001 | 6 | 0.7797 | 0.4183 | 2.0374 | 72.82179 |
| 55 | 99.8 | 2.2 | 2.37 | 2.21 | 99.829 | 2.2038 | 5 | 2.16318 | 127.2683 | 3.2992 | 0 | 3.2992 | 29.259 | 2.2791 | 0.0018 | 4 | 0.9743 | 0.3302 | 2.5404 | 30.127 |
| 56 | 169.1 | 1.24 | 2.75 | 0.73 | 169.134 | 0.7332 | 6 | 1.66768 | 124.3591 | 3.36138 | 0 | 3.3614 | 49.317 | 0.748 | 0.0012 | 6 | 0.7671 | 0.412 | 1.9881 | 64.55019 |
| 57 | 143.6 | 1.88 | 2.91 | 1.31 | 143.636 | 1.3089 | 6 | 1.89092 | 127.0056 | 3.42488 | 0 | 3.4249 | 40.939 | 1.3408 | 0.0015 | 5 | 0.8657 | 0.3618 | 2.2399 | 47.93554 |
| 58 | 166.7 | 1.61 | 2.66 | 0.97 | 166.733 | 0.9656 | 6 | 1.75238 | 126.2348 | 3.488 | 0 | 3.488 | 46.802 | 0.9863 | 0.0012 | 5 | 0.8121 | 0.3796 | 2.0909 | 58.55817 |
| 59 | 161.4 | 1.69 | 2.66 | 1.05 | 161.433 | 1.0469 | 6 | 1.78676 | 126.5109 | 3.55126 | 0 | 3.5513 | 44.458 | 1.0704 | 0.0012 | 5 | 0.8328 | 0.3648 | 2.1374 | 54.43557 |
| 60 | 113.3 | 1.5 | 2.47 | 1.32 | 113.33 | 1.3236 | 6 | 1.96835 | 124.7754 | 3.61365 | 0 | 3.6137 | 30.362 | 1.3672 | 0.0016 | 5 | 0.9253 | 0.321 | 2.3732 | 33.28135 |
| 61 | 101.2 | 2.05 | 2.34 | 2.03 | 101.229 | 2.0251 | 5 | 2.13257 | 126.7856 | 3.67704 | 0 | 3.677 | 26.53 | 2.1015 | 0.0017 | 4 | 1 | 0.2878 | 2.5625 | 26.52994 |
| 62 | 88.6 | 2.69 | 2.5 | 3.04 | 88.6306 | 3.0351 | 5 | 2.30009 | 128.4495 | 3.74126 | 0 | 3.7413 | 22.69 | 3.1688 | 0.0021 | 4 | 1 | 0.2828 | 2.726 | 22.69002 |
| 63 | 147.9 | 1.78 | 2.56 | 1.21 | 147.931 | 1.2033 | 6 | 1.85611 | 126.6775 | 3.8046 | 0 | 3.8046 | 37.882 | 1.235 | 0.0013 | 5 | 0.8879 | 0.321 | 2.2509 | 43.72809 |
| 64 | 167.1 | 1.66 | 2.35 | 0.99 | 167.129 | 0.9933 | 6 | 1.76008 | 126.4644 | 3.86783 | 0 | 3.8678 | 42.21 | 1.0168 | 0.001 | 5 | 0.8512 | 0.3318 | 2.1463 | 51.19044 |
| 65 | 156.7 | 1.76 | 2.29 | 1.12 | 156.728 | 1.123 | 6 | 1.8172 | 126.7357 | 3.9312 | 0 | 3.9312 | 38.868 | 1.1519 | 0.0011 | 5 | 0.8823 | 0.3141 | 2.2204 | 45.36188 |
| 66 | 153.2 | 1.72 | 2.46 | 1.12 | 153.23 | 1.1225 | 6 | 1.8241 | 126.5124 | 3.99446 | 0 | 3.9945 | 37.361 | 1.1525 | 0.0012 | 5 | 0.8922 | 0.3057 | 2.2386 | 43.11411 |
| 67 | 146.6 | 1.55 | 2.62 | 1.06 | 146.632 | 1.0571 | 6 | 1.81994 | 125.6436 | 4.05728 | 0 | 4.0573 | 35.14 | 1.0872 | 0.0013 | 5 | 0.8991 | 0.2987 | 2.2489 | 40.24552 |
| 68 | 79.3 | 3.23 | 2.64 | 4.08 | 79.3323 | 4.0715 | 4 | 2.4274 | 129.5177 | 4.12204 | 0 | 4.122 | 18.246 | 4.2946 | 0.0025 | 3 | 1 | 0.2567 | 2.8831 | 18.24589 |
| 69 | 217.7 | 1.45 | 2.82 | 0.67 | 217.735 | 0.666 | 6 | 1.55772 | 126.1199 | 4.1851 | 0 | 4.1851 | 51.026 | 0.679 | 0.001 | 6 | 0.7903 | 0.3373 | 1.9458 | 68.07721 |
| 70 | 71.4 | 3.2 | 2.87 | 4.48 | 71.4351 | 4.4796 | 4 | 2.48861 | 129.1937 | 4.2497 | 0 | 4.2497 | 15.809 | 4.7629 | 0.0031 | 3 | 1 | 0.249 | 2.9597 | 15.80947 |
| 71 | 86.9 | 2.28 | 2.47 | 2.63 | 86.9302 | 2.6228 | 5 | 2.25936 | 127.1922 | 4.31329 | 0 | 4.3133 | 19.154 | 2.7597 | 0.0022 | 4 | 1 | 0.2453 | 2.7468 | 19.15404 |
| 72 | 69.3 | 3.47 | 2.66 | 5 | 69.3326 | 5.0049 | 4 | 2.53346 | 129.7135 | 4.37815 | 0 | 4.3782 | 14.836 | 5.3422 | 0.003 | 3 | 1 | 0.2417 | 3.0129 | 14.83605 |
| 73 | 57.8 | 3.67 | 2.56 | 6.35 | 57.8313 | 6.346 | 3 | 2.66301 | 129.6812 | 4.44299 | 0 | 4.443 | 12.016 | 6.8742 | 0.0035 | 3 | 1 | 0.2382 | 3.1536 | 12.01631 |
| 74 | 84.1 | 3.62 | 2.66 | 4.31 | 84.1326 | 4.3027 | 4 | 2.42897 | 130.4951 | 4.50824 | 0 | 4.5082 | 17.662 | 4.5464 | 0.0024 | 3 | 1 | 0.2347 | 2.9098 | 17.66197 |
| 75 | 93.5 | 2.95 | 2.37 | 3.15 | 93.529 | 3.1541 | 5 | 2.29692 | 129.2558 | 4.57286 | 0 | 4.5729 | 19.453 | 3.3162 | 0.0019 | 4 | 1 | 0.2314 | 2.7905 | 19.45305 |
| 76 | 138 | 1.77 | 2.33 | 1.28 | 138.029 | 1.2823 | 6 | 1.89695 | 126.4673 | 4.6361 | 0 | 4.6361 | 28.773 | 1.3269 | 0.0013 | 5 | 0.9904 | 0.2315 | 2.413 | 29.18404 |
| 77 | 127 | 1.79 | 2.37 | 1.41 | 127.029 | 1.4091 | 6 | 1.95138 | 126.3469 | 4.69927 | 0 | 4.6993 | 26.032 | 1.4633 | 0.0014 | 5 | 1 | 0.2252 | 2.4779 | 26.03164 |
| 78 | 124.8 | 1.67 | 2.28 | 1.34 | 124.828 | 1.3378 | 6 | 1.94109 | 125.7966 | 4.76217 | 0 | 4.7622 | 25.212 | 1.3909 | 0.0014 | 5 | 1 | 0.2222 | 2.4773 | 25.2124 |
| 79 | 101.6 | 3.03 | 2.33 | 2.99 | 101.629 | 2.9815 | 5 | 2.25472 | 129.6541 | 4.827 | 0 | 4.827 | 20.054 | 3.1301 | 0.0017 | 4 | 1 | 0.2192 | 2.7645 | 20.05419 |
| 80 | 63.3 | 4.67 | 2.73 | 7.38 | 63.3334 | 7.3737 | 9 | 2.68781 | 131.666 | 4.89283 | 0 | 4.8928 | 11.944 | 7.991 | 0.0034 | 3 | 1 | 0.2163 | 3.1986 | 11.94413 |
| 81 | 90 | 4.56 | 2.75 | 5.06 | 90.0337 | 5.0648 | 9 | 2.46494 | 132.3495 | 4.959 | 0 | 4.959 | 17.156 | 5.36 | 0.0023 | 3 | 1 | 0.2134 | 2.966 | 17.15559 |
| 82 | 157.8 | 2.01 | 2.66 | 1.27 | 157.833 | 1.2735 | 6 | 1.85367 | 127.7247 | 5.02287 | 0 | 5.0229 | 30.423 | 1.3154 | 0.0013 | 5 | 1 | 0.2107 | 2.3959 | 30.42281 |
| 83 | 120.9 | 2.48 | 2.47 | 2.06 | 120.93 | 2.0508 | 5 | 2.08339 | 128.6126 | 5.08717 | 0 | 5.0872 | 22.772 | 2.1408 | 0.0015 | 4 | 1 | 0.208 | 2.6206 | 22.7716 |
| 84 | 136.6 | 5.09 | 3.14 | 3.72 | 136.638 | 3.7252 | 8 | 2.24832 | 134.1715 | 5.15426 | 0 | 5.1543 | 25.51 | 3.8712 | 0.0017 | 4 | 1 | 0.2053 | 2.7433 | 25.50981 |
| 85 | 92.2 | 3.33 | 2.75 | 3.61 | 92.2337 | 3.6104 | 5 | 2.3451 | 130.1083 | 5.21931 | 0 | 5.2193 | 16.672 | 3.827 | 0.0023 | 3 | 1 | 0.2027 | 2.8817 | 16.67161 |
| 86 | 65.1 | 4.12 | 2.9 | 6.33 | 65.1355 | 6.3253 | 3 | 2.6286 | 130.8175 | 5.28472 | 0 | 5.2847 | 11.325 | 6.8838 | 0.0035 | 3 | 1 | 0.2002 | 3.1736 | 11.32525 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 87 | 83.9 | 6.48 | 3.43 | 7.72 | 83.942 | 7.7196 | 9 | 2.62842 | 134.7498 | 5.3521 | 0 | 5.3521 | 14.684 | 8.2453 | 0.0031 | 3 | 1 | 0.1977 | 3.1413 | 14.68394 |
| 88 | 75 | 5.94 | 3.6 | 7.91 | 75.0441 | 7.9154 | 9 | 2.66641 | 133.8399 | 5.41902 | 0 | 5.419 | 12.848 | 8.5314 | 0.0037 | 3 | 1 | 0.1953 | 3.1941 | 12.84828 |
| 89 | 113.6 | 6.32 | 3.42 | 5.56 | 113.642 | 5.5613 | 9 | 2.4357 | 135.3057 | 5.48667 | 0 | 5.4867 | 19.712 | 5.8435 | 0.0023 | 3 | 1 | 0.1929 | 2.946 | 19.71236 |
| 90 | 124.2 | 5.23 | 3.32 | 4.21 | 124.241 | 4.2096 | 9 | 2.31559 | 134.1381 | 5.55374 | 0 | 5.5537 | 21.371 | 4.4066 | 0.002 | 3 | 1 | 0.1905 | 2.8382 | 21.37063 |
| 91 | 179.4 | 4.48 | 3.42 | 2.49 | 179.442 | 2.4966 | 5 | 2.03837 | 133.9021 | 5.62069 | 0 | 5.6207 | 30.925 | 2.5774 | 0.0014 | 4 | 1 | 0.1883 | 2.5651 | 30.92524 |
| 92 | 210.3 | 3.75 | 3.3 | 1.78 | 210.34 | 1.7828 | 6 | 1.88064 | 132.9882 | 5.68718 | 0 | 5.6872 | 35.985 | 1.8324 | 0.0012 | 5 | 1 | 0.1861 | 2.4212 | 35.98498 |
| 93 | 203.8 | 3.86 | 3.37 | 1.89 | 203.841 | 1.8936 | 6 | 1.90963 | 133.1232 | 5.75374 | 0 | 5.7537 | 34.428 | 1.9486 | 0.0012 | 5 | 1 | 0.1839 | 2.4528 | 34.42758 |
| 94 | 215.6 | 4.2 | 3.43 | 1.95 | 215.642 | 1.9477 | 6 | 1.90423 | 133.8781 | 5.82068 | 0 | 5.8207 | 36.048 | 2.0017 | 0.0012 | 5 | 1 | 0.1818 | 2.4443 | 36.04753 |
| 95 | 247.5 | 4.03 | 3.83 | 1.63 | 247.547 | 1.628 | 6 | 1.80597 | 133.9123 | 5.88764 | 0 | 5.8876 | 41.045 | 1.6676 | 0.0011 | 5 | 1 | 0.1797 | 2.351 | 41.04518 |
| 96 | 262.7 | 2.65 | 3.6 | 1.01 | 262.744 | 1.0086 | 6 | 1.62883 | 130.9903 | 5.95314 | 0 | 5.9531 | 43.135 | 1.032 | 0.001 | 5 | 0.9676 | 0.188 | 2.1912 | 45.618 |
| 97 | 106.4 | 3.61 | 3.51 | 3.39 | 106.443 | 3.3915 | 5 | 2.28411 | 131.0485 | 6.01866 | 0 | 6.0187 | 16.685 | 3.5948 | 0.0025 | 3 | 1 | 0.1758 | 2.8644 | 16.68549 |
| 98 | 110.8 | 2.04 | 3.42 | 1.84 | 110.842 | 1.8405 | 5 | 2.07533 | 126.9711 | 6.08215 | 0 | 6.0822 | 17.224 | 1.9473 | 0.0024 | 4 | 1 | 0.174 | 2.696 | 17.22414 |
| 99 | 117.8 | 2.87 | 3.6 | 2.44 | 117.844 | 2.4354 | 5 | 2.14631 | 129.6182 | 6.14695 | 0 | 6.147 | 18.171 | 2.5695 | 0.0023 | 4 | 1 | 0.1721 | 2.7465 | 18.17113 |
| 100 | 51.7 | 3.57 | 3.21 | 6.9 | 51.7393 | 6.9 | 3 | 2.72209 | 129.2075 | 6.21156 | 0 | 6.2116 | 7.3295 | 7.8414 | 0.0051 | 3 | 1 | 0.1704 | 3.355 | 7.32952 |
| 101 | 184.5 | 2.06 | 3.49 | 1.12 | 184.543 | 1.1163 | 6 | 1.7653 | 128.2858 | 6.2757 | 0 | 6.2757 | 28.406 | 1.1556 | 0.0014 | 5 | 1 | 0.1686 | 2.39 | 28.40591 |
| 102 | 208.6 | 2.74 | 3.84 | 1.31 | 208.647 | 1.3132 | 6 | 1.78103 | 130.6724 | 6.34104 | 0 | 6.341 | 31.904 | 1.3544 | 0.0014 | 5 | 1 | 0.1669 | 2.386 | 31.90424 |
| 103 | 242.6 | 2.04 | 3.13 | 0.84 | 242.638 | 0.8408 | 6 | 1.59418 | 128.8819 | 6.40548 | 0 | 6.4055 | 36.88 | 0.8636 | 0.001 | 5 | 1 | 0.1652 | 2.2269 | 36.87981 |
| 104 | 146.4 | 3.06 | 3.04 | 2.09 | 146.437 | 2.0896 | 5 | 2.03414 | 130.6171 | 6.47079 | 0 | 6.4708 | 21.631 | 2.1862 | 0.0016 | 4 | 1 | 0.1635 | 2.644 | 21.63051 |
| 105 | 85.5 | 5.44 | 3.47 | 6.35 | 85.5425 | 6.3594 | 9 | 2.55639 | 133.5159 | 6.53754 | 0 | 6.5375 | 12.085 | 6.8857 | 0.0032 | 3 | 1 | 0.1619 | 3.1522 | 12.0848 |
| 106 | 101.8 | 3.8 | 3.23 | 3.73 | 101.84 | 3.7314 | 5 | 2.32826 | 131.316 | 6.6032 | 0 | 6.6032 | 14.423 | 3.9901 | 0.0024 | 3 | 1 | 0.1602 | 2.9422 | 14.42275 |
| 107 | 61.7 | 4.41 | 4.17 | 7.14 | 61.751 | 7.1416 | 3 | 2.684 | 131.1851 | 6.6688 | 0 | 6.6688 | 8.2597 | 8.0062 | 0.0055 | 3 | 1 | 0.1587 | 3.3207 | 8.2597 |
| 108 | 43.6 | 3.23 | 3.89 | 7.39 | 43.6476 | 7.4002 | 3 | 2.79363 | 128.0604 | 6.73283 | 0 | 6.7328 | 5.4828 | 8.7499 | 0.0076 | 2 | 1 | 0.1572 | 3.4832 | 5.48281 |
| 109 | 108.1 | 4.58 | 3.89 | 4.24 | 108.148 | 4.235 | 9 | 2.35456 | 132.8287 | 6.79924 | 0 | 6.7992 | 14.906 | 4.5191 | 0.0028 | 3 | 1 | 0.1556 | 2.9649 | 14.90584 |
| 110 | 48.6 | 3.43 | 3.84 | 7.05 | 48.647 | 7.0508 | 3 | 2.74674 | 128.7645 | 6.86362 | 0 | 6.8636 | 6.0877 | 8.209 | 0.0066 | 3 | 1 | 0.1542 | 3.4304 | 6.08766 |
| 111 | 63.1 | 4.83 | 3.51 | 7.65 | 63.143 | 7.6493 | 9 | 2.70103 | 131.9051 | 6.92957 | 0 | 6.9296 | 8.1121 | 8.5923 | 0.0045 | 3 | 1 | 0.1527 | 3.3464 | 8.1121 |
| 112 | 107.5 | 3.99 | 3.7 | 3.71 | 107.545 | 3.7101 | 5 | 2.31129 | 131.806 | 6.99548 | 0 | 6.9955 | 14.374 | 3.9682 | 0.0027 | 3 | 1 | 0.1513 | 2.9419 | 14.37355 |
| 113 | 68.6 | 4.34 | 3.24 | 6.32 | 68.6397 | 6.3229 | 9 | 2.61398 | 131.326 | 7.06114 | 0 | 7.0611 | 8.7208 | 7.0479 | 0.0038 | 3 | 1 | 0.1499 | 3.2673 | 8.72076 |
| 114 | 135.9 | 4.7 | 3.33 | 3.46 | 135.941 | 3.4574 | 8 | 2.22396 | 133.5758 | 7.12793 | 0 | 7.1279 | 18.072 | 3.6487 | 0.0019 | 3 | 1 | 0.1485 | 2.8414 | 18.07157 |
| 115 | 120.2 | 4.58 | 3.14 | 3.81 | 120.238 | 3.8091 | 8 | 2.28992 | 133.0871 | 7.19447 | 0 | 7.1945 | 15.713 | 4.0515 | 0.002 | 3 | 1 | 0.1471 | 2.9172 | 15.71261 |
| 116 | 96.1 | 6.34 | 3.6 | 6.6 | 96.1441 | 6.5943 | 9 | 2.53834 | 134.9211 | 7.26193 | 0 | 7.2619 | 12.239 | 7.133 | 0.0029 | 3 | 1 | 0.1457 | 3.1581 | 12.23946 |
| 117 | 100.4 | 6.27 | 3.89 | 6.25 | 100.448 | 6.2421 | 9 | 2.50786 | 134.9466 | 7.32941 | 0 | 7.3294 | 12.705 | 6.7334 | 0.003 | 3 | 1 | 0.1444 | 3.1294 | 12.70474 |
| 118 | 87 | 4.07 | 3.33 | 4.68 | 87.0408 | 4.676 | 9 | 2.44725 | 131.4353 | 7.39512 | 0 | 7.3951 | 10.77 | 5.1101 | 0.003 | 3 | 1 | 0.1431 | 3.1083 | 10.77002 |
| 119 | 40.8 | 2.72 | 3.51 | 6.68 | 40.843 | 6.6597 | 3 | 2.77902 | 126.641 | 7.45844 | 0 | 7.4584 | 4.4761 | 8.1475 | 0.0076 | 2 | 1 | 0.1419 | 3.5339 | 4.47607 |
| 120 | 44.7 | 3.24 | 3.55 | 7.24 | 44.7435 | 7.2413 | 3 | 2.77943 | 128.1435 | 7.52252 | 0 | 7.5225 | 4.9479 | 8.7048 | 0.0069 | 2 | 1 | 0.1407 | 3.5169 | 4.94794 |
| 121 | 53.1 | 3.61 | 3.51 | 6.79 | 53.143 | 6.793 | 3 | 2.70936 | 129.3543 | 7.58719 | 0 | 7.5872 | 6.0043 | 7.9244 | 0.0056 | 3 | 1 | 0.1395 | 3.4256 | 6.0043 |
| 122 | 43.1 | 2.61 | 3.6 | 6.04 | 43.1441 | 6.0495 | 3 | 2.73222 | 126.4726 | 7.65043 | 0 | 7.6504 | 4.6394 | 7.3534 | 0.0073 | 3 | 1 | 0.1383 | 3.4948 | 4.63943 |
| 123 | 44.7 | 2.64 | 3.6 | 5.89 | 44.7441 | 5.9002 | 3 | 2.71351 | 126.6451 | 7.71375 | 0 | 7.7138 | 4.8006 | 7.1293 | 0.007 | 3 | 1 | 0.1372 | 3.4748 | 4.80056 |
| 124 | 172.7 | 5.29 | 3.79 | 3.06 | 172.746 | 3.0623 | 8 | 2.11919 | 135.0254 | 7.78126 | 0 | 7.7813 | 21.2 | 3.2067 | 0.0017 | 4 | 1 | 0.136 | 2.7522 | 21.2003 |
| 125 | 259.6 | 3.57 | 3.57 | 1.38 | 259.644 | 1.375 | 6 | 1.73542 | 133.1419 | 7.84784 | 0 | 7.8478 | 32.085 | 1.4178 | 0.001 | 5 | 1 | 0.1348 | 2.3953 | 32.08475 |
| 126 | 332.7 | 4.15 | 3.79 | 1.25 | 332.746 | 1.2472 | 6 | 1.63624 | 134.8484 | 7.91526 | 0 | 7.9153 | 41.039 | 1.2776 | 0.0008 | 5 | 1 | 0.1337 | 2.2819 | 41.0386 |
| 127 | 286.9 | 4.93 | 3.79 | 1.72 | 286.946 | 1.7181 | 6 | 1.78661 | 135.7475 | 7.98313 | 0 | 7.9831 | 34.944 | 1.7673 | 0.001 | 5 | 1 | 0.1325 | 2.4218 | 34.94408 |
| 128 | 356.4 | 5.79 | 4.55 | 1.62 | 356.456 | 1.6243 | 6 | 1.71324 | 137.28 | 8.05177 | 0 | 8.0518 | 43.27 | 1.6619 | 0.0009 | 5 | 1 | 0.1314 | 2.332 | 43.27046 |
| 129 | 371.4 | 3.51 | 4.65 | 0.95 | 371.457 | 0.9449 | 6 | 1.51126 | 133.8913 | 8.11872 | 0 | 8.1187 | 44.753 | 0.966 | 0.0009 | 5 | 1 | 0.1303 | 2.1821 | 44.75314 |
| 130 | 387.6 | 3.97 | 4.86 | 1.03 | 387.659 | 1.0241 | 6 | 1.52798 | 134.8965 | 8.18617 | 0 | 8.1862 | 46.355 | 1.0462 | 0.0009 | 5 | 1 | 0.1293 | 2.1888 | 46.35543 |
| 131 | 370.6 | 3.68 | 4.84 | 0.99 | 370.659 | 0.9928 | 6 | 1.52887 | 134.2321 | 8.25328 | 0 | 8.2533 | 43.911 | 1.0154 | 0.001 | 5 | 1 | 0.1282 | 2.201 | 43.91052 |
| 132 | 267.7 | 3.02 | 4.64 | 1.13 | 267.757 | 1.1279 | 6 | 1.66033 | 131.9927 | 8.31928 | 0 | 8.3193 | 31.185 | 1.1641 | 0.0013 | 5 | 1 | 0.1272 | 2.3577 | 31.18509 |
| 133 | 144.9 | 4.03 | 4.83 | 2.78 | 144.959 | 2.7801 | 5 | 2.13231 | 132.6071 | 8.38558 | 0 | 8.3856 | 16.287 | 2.9508 | 0.0026 | 4 | 1 | 0.1262 | 2.8205 | 16.28671 |
| 134 | 73 | 2.87 | 3.79 | 3.92 | 73.0464 | 3.929 | 4 | 2.43958 | 128.4517 | 8.44981 | 0 | 8.4498 | 7.6447 | 4.443 | 0.0042 | 3 | 1 | 0.1252 | 3.1904 | 7.64474 |
| 135 | 81.3 | 3.5 | 4.17 | 4.3 | 81.351 | 4.3023 | 4 | 2.4384 | 130.1664 | 8.51489 | 0 | 8.5149 | 8.554 | 4.8053 | 0.0041 | 3 | 1 | 0.1243 | 3.1713 | 8.55397 |
| 136 | 85 | 4.7 | 3.9 | 5.53 | 85.0477 | 5.5263 | 9 | 2.50997 | 132.4319 | 8.58111 | 0 | 8.5811 | 8.911 | 6.1465 | 0.0037 | 3 | 1 | 0.1233 | 3.2226 | 8.91104 |
| 137 | 174.9 | 5.91 | 4.05 | 3.38 | 174.95 | 3.3781 | 8 | 2.15044 | 135.8673 | 8.64904 | 0 | 8.649 | 19.228 | 3.5538 | 0.0018 | 3 | 1 | 0.1223 | 2.8132 | 19.22762 |
| 138 | 68.3 | 3.34 | 3.4 | 4.89 | 68.3416 | 4.8872 | 4 | 2.52974 | 129.399 | 8.71374 | 0 | 8.7137 | 6.843 | 5.6014 | 0.0041 | 3 | 1 | 0.1214 | 3.2888 | 6.84297 |
| 139 | 45.4 | 1.44 | 3.79 | 3.16 | 45.4464 | 3.1686 | 4 | 2.51715 | 122.248 | 8.77487 | 0 | 8.7749 | 4.1792 | 3.9268 | 0.0074 | 3 | 1 | 0.1206 | 3.3774 | 4.17916 |
| 140 | 46.5 | 1.57 | 3.7 | 3.38 | 46.5453 | 3.3731 | 4 | 2.52829 | 122.9387 | 8.83633 | 0 | 8.8363 | 4.2675 | 4.1635 | 0.0071 | 3 | 1 | 0.1198 | 3.3835 | 4.26749 |
| 141 | 50.6 | 1.97 | 3.58 | 3.89 | 50.6438 | 3.8899 | 4 | 2.54558 | 124.8051 | 8.89874 | 0 | 8.8987 | 4.6911 | 4.7191 | 0.0062 | 3 | 1 | 0.1189 | 3.3793 | 4.69112 |
| 142 | 64 | 3.36 | 3.49 | 5.25 | 64.0427 | 5.2465 | 4 | 2.57151 | 129.2843 | 8.96338 | 0 | 8.9634 | 6.1449 | 6.1003 | 0.0046 | 3 | 1 | 0.1181 | 3.3484 | 6.14493 |
| 143 | 174.6 | 0 | 3.9 | 0 | 174.648 | 0 | 0 | 0 | 769.6 | 9.34818 | 0 | 9.3482 | 17.683 | 0 | 0.0017 | 0 | 1 | 0.1132 | 0 | 0 |

| | CPT-3 | In situ data | | | Basic output data | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth (ft) | qc (tsf) | fs (tsf) | u (psi) | Other | qt (tsf) | Rf(%) | SBT | Ic SBT | ã (pcf) | ó,v (tsf) | u0 (tsf) | ó',vo (tsf) | Qt1 | Fr (%) | Bq | SBTn | n | Cn | Ic | Qtn |
| 1 | 139.6 | 1.83 | 0.97 | 1.31 | 139.612 | 1.3108 | 6 | 1.90011 | 126.739 | 0.06337 | 0 | 0.0634 | 2202.1 | 1.3114 | 0.0005 | 6 | 0.5006 | 2 | 1.6998 | 263.7699 |
| 2 | 113.4 | 0.82 | 0.85 | 0.72 | 113.41 | 0.723 | 6 | 1.7994 | 120.3582 | 0.12355 | 0 | 0.1236 | 916.94 | 0.7238 | 0.0005 | 6 | 0.4539 | 2 | 1.5696 | 214.131 |
| 3 | 66.5 | 0.59 | 0.76 | 0.88 | 66.5093 | 0.8871 | 6 | 2.03925 | 116.648 | 0.18187 | 0 | 0.1819 | 364.69 | 0.8895 | 0.0008 | 6 | 0.5453 | 2 | 1.8024 | 125.3699 |
| 4 | 42.9 | 0.34 | 0.73 | 0.79 | 42.9089 | 0.7924 | 5 | 2.17232 | 111.5461 | 0.23765 | 0 | 0.2377 | 179.56 | 0.7968 | 0.0012 | 6 | 0.5943 | 2 | 1.9239 | 80.65583 |
| 5 | 55.5 | 0.26 | 0.76 | 0.46 | 55.5093 | 0.4684 | 6 | 1.96374 | 110.2112 | 0.29275 | 0 | 0.2928 | 188.61 | 0.4709 | 0.001 | 6 | 0.5179 | 1.9453 | 1.7144 | 101.5145 |
| 6 | 42.5 | 0.36 | 0.66 | 0.86 | 42.5081 | 0.8469 | 5 | 2.19082 | 111.9414 | 0.34872 | 0 | 0.3487 | 120.9 | 0.8539 | 0.0011 | 6 | 0.6103 | 1.9688 | 1.9513 | 78.44451 |
| 7 | 55.6 | 0.36 | 0.66 | 0.65 | 55.6081 | 0.6474 | 6 | 2.03068 | 112.5966 | 0.40502 | 0 | 0.405 | 136.3 | 0.6521 | 0.0009 | 6 | 0.5679 | 1.7252 | 1.835 | 90.0064 |
| 8 | 73.3 | 0.53 | 0.76 | 0.72 | 73.3093 | 0.723 | 6 | 1.95431 | 116.1007 | 0.46307 | 0 | 0.4631 | 157.31 | 0.7276 | 0.0008 | 6 | 0.5555 | 1.5826 | 1.7953 | 108.9527 |
| 9 | 77 | 0.49 | 0.66 | 0.63 | 77.0081 | 0.6363 | 6 | 1.90618 | 115.6466 | 0.52089 | 0 | 0.5209 | 146.84 | 0.6406 | 0.0006 | 6 | 0.5487 | 1.4752 | 1.7702 | 106.6404 |
| 10 | 83.9 | 0.67 | 0.72 | 0.8 | 83.9088 | 0.7985 | 6 | 1.93045 | 118.1452 | 0.57997 | 0 | 0.58 | 143.68 | 0.804 | 0.0006 | 6 | 0.569 | 1.408 | 1.8159 | 110.88 |
| 11 | 76.8 | 0.66 | 0.76 | 0.86 | 76.8093 | 0.8593 | 6 | 1.98022 | 117.8195 | 0.63888 | 0 | 0.6389 | 119.23 | 0.8665 | 0.0007 | 6 | 0.5966 | 1.3512 | 1.8806 | 97.26966 |
| 12 | 81.4 | 0.6 | 0.57 | 0.73 | 81.407 | 0.737 | 6 | 1.92127 | 117.2639 | 0.69751 | 0 | 0.6975 | 115.71 | 0.7434 | 0.0005 | 6 | 0.5841 | 1.2756 | 1.8403 | 97.29634 |
| 13 | 78.3 | 0.73 | 0.66 | 0.93 | 78.3081 | 0.9322 | 6 | 1.99431 | 118.6042 | 0.75681 | 0 | 0.7568 | 102.47 | 0.9413 | 0.0006 | 6 | 0.6205 | 1.2311 | 1.9285 | 90.23326 |
| 14 | 76.9 | 0.76 | 0.76 | 0.99 | 76.9093 | 0.9882 | 6 | 2.01575 | 118.855 | 0.81624 | 0 | 0.8162 | 93.224 | 0.9988 | 0.0007 | 6 | 0.6374 | 1.1799 | 1.9654 | 84.85083 |
| 15 | 91.8 | 0.79 | 0.67 | 0.86 | 91.8082 | 0.8605 | 6 | 1.91817 | 119.5701 | 0.87602 | 0 | 0.876 | 103.8 | 0.8688 | 0.0005 | 6 | 0.6096 | 1.122 | 1.8843 | 96.42313 |
| 16 | 61.8 | 1.01 | 0.66 | 1.63 | 61.8081 | 1.6341 | 5 | 2.22624 | 120.4027 | 0.93622 | 0 | 0.9362 | 65.018 | 1.6592 | 0.0008 | 5 | 0.7347 | 1.0941 | 2.2059 | 62.94158 |
| 17 | 109.5 | 0.77 | 0.85 | 0.71 | 109.51 | 0.7031 | 6 | 1.80439 | 119.8125 | 0.99613 | 0 | 0.9961 | 108.94 | 0.7096 | 0.0006 | 6 | 0.582 | 1.0358 | 1.7977 | 106.2217 |
| 18 | 104.2 | 0.76 | 0.57 | 0.73 | 104.207 | 0.7293 | 6 | 1.83116 | 119.5958 | 1.05593 | 0 | 1.0559 | 97.688 | 0.7368 | 0.0004 | 6 | 0.5998 | 1.0012 | 1.8369 | 97.60695 |
| 19 | 113.8 | 0.88 | 0.76 | 0.77 | 113.809 | 0.7732 | 6 | 1.81582 | 120.8835 | 1.11637 | 0 | 1.1164 | 100.95 | 0.7809 | 0.0005 | 6 | 0.6011 | 0.9683 | 1.8329 | 103.1273 |
| 20 | 112.5 | 0.77 | 0.76 | 0.68 | 112.509 | 0.6844 | 6 | 1.78799 | 119.8784 | 1.17631 | 0 | 1.1763 | 94.646 | 0.6916 | 0.0005 | 6 | 0.5978 | 0.9387 | 1.8166 | 98.76434 |
| 21 | 56.7 | 0.62 | 0.47 | 1.09 | 56.7058 | 1.0934 | 5 | 2.14831 | 116.6219 | 1.23462 | 0 | 1.2346 | 44.93 | 1.1177 | 0.0006 | 5 | 0.7476 | 0.8911 | 2.2024 | 46.71403 |
| 22 | 62.4 | 0.78 | 0.66 | 1.24 | 62.4081 | 1.2498 | 5 | 2.14981 | 118.5354 | 1.29389 | 0 | 1.2939 | 47.233 | 1.2763 | 0.0008 | 5 | 0.7553 | 0.8591 | 2.2151 | 49.61672 |
| 23 | 111.6 | 0.56 | 0.66 | 0.5 | 111.608 | 0.5018 | 6 | 1.71483 | 117.5287 | 1.35265 | 0 | 1.3527 | 81.511 | 0.5079 | 0.0004 | 6 | 0.5904 | 0.865 | 1.7756 | 90.13586 |
| 24 | 72 | 0.95 | 0.63 | 1.32 | 72.0077 | 1.3193 | 5 | 2.11584 | 120.3271 | 1.41282 | 0 | 1.4128 | 49.968 | 1.3457 | 0.0006 | 5 | 0.7561 | 0.8036 | 2.2022 | 53.61745 |
| 25 | 107.6 | 0.87 | 0.76 | 0.81 | 107.609 | 0.8085 | 6 | 1.84691 | 120.6632 | 1.47315 | 0 | 1.4732 | 72.047 | 0.8197 | 0.0005 | 6 | 0.6552 | 0.8051 | 1.9307 | 80.75411 |
| 26 | 141.3 | 0.92 | 0.39 | 0.65 | 141.305 | 0.6511 | 6 | 1.6958 | 121.7365 | 1.53402 | 0 | 1.534 | 91.114 | 0.6582 | 0.0002 | 6 | 0.6008 | 0.8 | 1.7802 | 105.6762 |
| 27 | 134.2 | 0.75 | 0.38 | 0.56 | 134.205 | 0.5589 | 6 | 1.67442 | 120.1159 | 1.59407 | 0 | 1.5941 | 83.19 | 0.5656 | 0.0002 | 6 | 0.5997 | 0.7821 | 1.7698 | 98.02021 |
| 28 | 101.1 | 0.63 | 0.44 | 0.62 | 101.105 | 0.6231 | 6 | 1.80242 | 118.1495 | 1.65315 | 0 | 1.6532 | 60.159 | 0.6335 | 0.0003 | 6 | 0.6594 | 0.7451 | 1.9193 | 70.03218 |
| 29 | 79.3 | 0.99 | 0.57 | 1.25 | 79.307 | 1.2483 | 5 | 2.0682 | 120.8644 | 1.71358 | 0 | 1.7136 | 45.281 | 1.2759 | 0.0005 | 5 | 0.7725 | 0.6891 | 2.2087 | 50.52983 |
| 30 | 59.9 | 1.07 | 0.4 | 1.79 | 59.9049 | 1.7862 | 5 | 2.26161 | 120.7486 | 1.77395 | 0 | 1.774 | 32.769 | 1.8407 | 0.0005 | 5 | 0.8602 | 0.6412 | 2.4298 | 35.2246 |
| 31 | 123 | 1.2 | 0.66 | 0.98 | 123.008 | 0.9756 | 6 | 1.85342 | 123.3425 | 1.83563 | 0 | 1.8356 | 66.012 | 0.9903 | 0.0004 | 6 | 0.6957 | 0.6816 | 1.9917 | 78.06001 |
| 32 | 191 | 1.4 | 0.76 | 0.73 | 191.009 | 0.733 | 6 | 1.62785 | 125.5437 | 1.8984 | 0 | 1.8984 | 99.616 | 0.7403 | 0.0003 | 6 | 0.6073 | 0.7012 | 1.7519 | 125.3164 |
| 33 | 116 | 0.87 | 0.66 | 0.75 | 116.008 | 0.75 | 6 | 1.80114 | 120.8465 | 1.95882 | 0 | 1.9588 | 58.223 | 0.7628 | 0.0004 | 6 | 0.6899 | 0.6538 | 1.9612 | 70.47405 |
| 34 | 90.4 | 0.91 | 0.53 | 1 | 90.4065 | 1.0066 | 6 | 1.96515 | 120.5673 | 2.01911 | 0 | 2.0191 | 43.776 | 1.0296 | 0.0004 | 5 | 0.7651 | 0.6099 | 2.1511 | 50.95042 |
| 35 | 72.4 | 0.88 | 0.57 | 1.21 | 72.407 | 1.2154 | 5 | 2.09157 | 119.7805 | 2.079 | 0 | 2.079 | 33.828 | 1.2513 | 0.0006 | 5 | 0.826 | 0.5724 | 2.3036 | 38.04589 |
| 36 | 71.2 | 1.1 | 0.73 | 1.54 | 71.2089 | 1.5448 | 5 | 2.16357 | 121.3726 | 2.13968 | 0 | 2.1397 | 32.28 | 1.5926 | 0.0008 | 5 | 0.8611 | 0.5453 | 2.3882 | 35.59687 |
| 37 | 114.5 | 1.17 | 0.57 | 1.02 | 114.507 | 1.0218 | 6 | 1.89012 | 122.9826 | 2.20117 | 0 | 2.2012 | 51.021 | 1.0418 | 0.0004 | 5 | 0.7501 | 0.5773 | 2.089 | 61.26886 |
| 38 | 101.3 | 1.74 | 0.47 | 1.72 | 101.306 | 1.7176 | 5 | 2.08173 | 125.5878 | 2.26397 | 0 | 2.264 | 43.747 | 1.7568 | 0.0003 | 5 | 0.8337 | 0.5304 | 2.3006 | 49.64754 |
| 39 | 47.9 | 1.29 | 0.55 | 2.7 | 47.9067 | 2.6927 | 5 | 2.45239 | 121.5717 | 2.32475 | 0 | 2.3248 | 19.607 | 2.8301 | 0.0009 | 4 | 1 | 0.4552 | 2.7453 | 19.60724 |
| 40 | 96.7 | 0.99 | 0.57 | 1.02 | 96.707 | 1.0237 | 6 | 1.94696 | 121.3482 | 2.38543 | 0 | 2.3854 | 39.541 | 1.0496 | 0.0004 | 5 | 0.7963 | 0.5235 | 2.1872 | 46.66159 |
| 41 | 86.4 | 1.5 | 0.65 | 1.74 | 86.408 | 1.736 | 5 | 2.13484 | 124.1138 | 2.44748 | 0 | 2.4475 | 34.305 | 1.7866 | 0.0006 | 5 | 0.8787 | 0.4786 | 2.396 | 37.97924 |
| 42 | 147.5 | 1.42 | 0.66 | 0.96 | 147.508 | 0.9627 | 6 | 1.79049 | 125.0172 | 2.50999 | 0 | 2.51 | 57.768 | 0.9793 | 0.0003 | 6 | 0.7363 | 0.5294 | 2.0141 | 72.54487 |
| 43 | 123.1 | 1.05 | 0.57 | 0.85 | 123.107 | 0.8529 | 6 | 1.81563 | 122.3674 | 2.57118 | 0 | 2.5712 | 46.88 | 0.8711 | 0.0003 | 6 | 0.7578 | 0.5103 | 2.0627 | 58.12743 |
| 44 | 62.5 | 2.31 | 0.66 | 3.69 | 62.5081 | 3.6955 | 4 | 2.46597 | 126.4835 | 2.63442 | 0 | 2.6344 | 22.727 | 3.8581 | 0.0008 | 4 | 1 | 0.4017 | 2.7802 | 22.72748 |
| 45 | 105.1 | 1.08 | 0.66 | 1.03 | 105.108 | 1.0275 | 6 | 1.92008 | 122.188 | 2.69551 | 0 | 2.6955 | 37.994 | 1.0546 | 0.0005 | 5 | 0.8161 | 0.4662 | 2.2004 | 45.12504 |
| 46 | 101.5 | 1.47 | 0.66 | 1.45 | 101.508 | 1.4482 | 5 | 2.03 | 124.3588 | 2.75769 | 0 | 2.7577 | 35.809 | 1.4886 | 0.0005 | 5 | 0.8659 | 0.4363 | 2.3239 | 40.7158 |
| 47 | 106.4 | 1.48 | 0.66 | 1.39 | 106.408 | 1.3909 | 6 | 2.00307 | 124.5234 | 2.81995 | 0 | 2.82 | 36.734 | 1.4287 | 0.0005 | 5 | 0.8603 | 0.4303 | 2.3014 | 42.12318 |
| 48 | 103.5 | 1.32 | 0.66 | 1.27 | 103.508 | 1.2753 | 6 | 1.98653 | 123.6189 | 2.88176 | 0 | 2.8818 | 34.918 | 1.3118 | 0.0005 | 5 | 0.8615 | 0.4218 | 2.2966 | 40.11722 |
| 49 | 89 | 2.07 | 0.76 | 2.32 | 89.0093 | 2.3256 | 5 | 2.21459 | 126.5429 | 2.94503 | 0 | 2.945 | 29.224 | 2.4052 | 0.0006 | 4 | 0.9621 | 0.3735 | 2.5522 | 30.37884 |
| 50 | 153.6 | 1.58 | 0.85 | 1.03 | 153.61 | 1.0286 | 6 | 1.7971 | 125.8973 | 3.00798 | 0 | 3.008 | 50.068 | 1.0491 | 0.0004 | 5 | 0.7864 | 0.4397 | 2.0833 | 62.5864 |
| 51 | 143.2 | 1.04 | 0.72 | 0.73 | 143.209 | 0.7262 | 6 | 1.72059 | 122.6663 | 3.06932 | 0 | 3.0693 | 45.658 | 0.7421 | 0.0004 | 6 | 0.7659 | 0.4423 | 2.0216 | 58.58542 |
| 52 | 149.3 | 1.57 | 0.76 | 1.05 | 149.309 | 1.0515 | 6 | 1.81264 | 125.7815 | 3.13221 | 0 | 3.1322 | 46.669 | 1.074 | 0.0004 | 5 | 0.8056 | 0.4172 | 2.1182 | 57.63288 |
| 53 | 172.9 | 1.28 | 0.85 | 0.74 | 172.91 | 0.7403 | 6 | 1.66316 | 124.6452 | 3.19453 | 0 | 3.1945 | 53.127 | 0.7542 | 0.0004 | 6 | 0.7485 | 0.4373 | 1.9601 | 70.147 |
| 54 | 203.5 | 1.38 | 1.04 | 0.68 | 203.513 | 0.6781 | 6 | 1.58482 | 125.5931 | 3.25733 | 0 | 3.2573 | 61.478 | 0.6891 | 0.0004 | 6 | 0.7178 | 0.4461 | 1.8715 | 84.43417 |
| 55 | 197.7 | 1.35 | 1.04 | 0.68 | 197.713 | 0.6828 | 6 | 1.59623 | 125.3618 | 3.32001 | 0 | 3.32 | 58.552 | 0.6945 | 0.0004 | 6 | 0.7292 | 0.4344 | 1.8936 | 79.79993 |
| 56 | 136.5 | 1.89 | 1.21 | 1.39 | 136.515 | 1.3845 | 6 | 1.92378 | 126.9204 | 3.38347 | 0 | 3.3835 | 39.348 | 1.4197 | 0.0007 | 5 | 0.8765 | 0.361 | 2.2735 | 45.42345 |
| 57 | 140.3 | 1.34 | 1.23 | 0.95 | 140.315 | 0.955 | 6 | 1.80432 | 124.471 | 3.4457 | 0 | 3.4457 | 39.722 | 0.979 | 0.0007 | 5 | 0.8358 | 0.3728 | 2.1584 | 48.22232 |
| 58 | 142 | 1.66 | 1.14 | 1.17 | 142.014 | 1.1689 | 6 | 1.86007 | 126.0672 | 3.50874 | 0 | 3.5087 | 39.474 | 1.1985 | 0.0006 | 5 | 0.8626 | 0.3556 | 2.2213 | 46.54188 |
| 59 | 129.9 | 1.69 | 1.23 | 1.3 | 129.915 | 1.3009 | 6 | 1.92015 | 125.9811 | 3.57173 | 0 | 3.5717 | 35.373 | 1.3376 | 0.0007 | 5 | 0.896 | 0.3362 | 2.3013 | 40.14668 |
| 60 | 161.5 | 1.69 | 1.23 | 1.04 | 161.515 | 1.0463 | 6 | 1.78645 | 126.5121 | 3.63498 | 0 | 3.635 | 43.434 | 1.0704 | 0.0006 | 5 | 0.8407 | 0.3544 | 2.1477 | 52.87221 |
| 61 | 191 | 1.64 | 1.04 | 0.86 | 191.013 | 0.8586 | 6 | 1.67443 | 126.7015 | 3.69833 | 0 | 3.6983 | 50.648 | 0.8755 | 0.0004 | 6 | 0.796 | 0.3693 | 2.022 | 65.38031 |
| 62 | 147.2 | 1.1 | 0.95 | 0.75 | 147.212 | 0.7472 | 6 | 1.71915 | 123.1439 | 3.7599 | 0 | 3.7599 | 38.153 | 0.7668 | 0.0005 | 5 | 0.8318 | 0.3483 | 2.1084 | 47.22404 |
| 63 | 131.3 | 1.72 | 1.14 | 1.31 | 131.314 | 1.3098 | 6 | 1.91889 | 126.136 | 3.82297 | 0 | 3.823 | 33.349 | 1.3491 | 0.0006 | 5 | 0.9197 | 0.3069 | 2.3325 | 36.97246 |
| 64 | 158.5 | 1.36 | 0.98 | 0.86 | 158.512 | 0.858 | 6 | 1.73383 | 124.8768 | 3.88541 | 0 | 3.8854 | 39.797 | 0.8795 | 0.0005 | 5 | 0.8457 | 0.3329 | 2.1294 | 48.64431 |
| 65 | 137.3 | 1.22 | 0.95 | 0.89 | 137.312 | 0.8885 | 6 | 1.79073 | 123.7317 | 3.94728 | 0 | 3.9473 | 33.786 | 0.9148 | 0.0005 | 5 | 0.8809 | 0.3136 | 2.2145 | 39.52299 |
| 66 | 97.7 | 1.87 | 0.95 | 1.91 | 97.7116 | 1.9138 | 5 | 2.1259 | 126.0269 | 4.01029 | 0 | 4.0103 | 23.365 | 1.9957 | 0.0007 | 4 | 1 | 0.2639 | 2.5936 | 23.36523 |
| 67 | 67.5 | 1.99 | 0.7 | 2.95 | 67.5086 | 2.9478 | 5 | 2.37217 | 125.5801 | 4.07308 | 0 | 4.0731 | 15.574 | 3.1371 | 0.0008 | 3 | 1 | 0.2598 | 2.852 | 15.57433 |
| 68 | 64.1 | 2.82 | 1.33 | 4.4 | 64.1163 | 4.3983 | 4 | 2.5139 | 128.0051 | 4.13708 | 0 | 4.1371 | 14.498 | 4.7016 | 0.0016 | 3 | 1 | 0.2558 | 2.9851 | 14.49794 |
| 69 | 51.9 | 1.76 | 0.83 | 3.4 | 51.9102 | 3.3905 | 4 | 2.49584 | 124.0406 | 4.1991 | 0 | 4.1991 | 11.362 | 3.6889 | 0.0013 | 3 | 1 | 0.252 | 3.0038 | 11.3622 |
| 70 | 76.8 | 2.08 | 0.76 | 2.71 | 76.8093 | 2.708 | 5 | 2.30662 | 126.2186 | 4.26221 | 0 | 4.2622 | 17.021 | 2.8671 | 0.0008 | 4 | 1 | 0.2483 | 2.7977 | 17.02099 |
| 71 | 101 | 1.97 | 0.76 | 1.95 | 101.009 | 1.9503 | 5 | 2.12156 | 126.489 | 4.32546 | 0 | 4.3255 | 22.352 | 2.0376 | 0.0006 | 4 | 1 | 0.2446 | 2.6145 | 22.35228 |
| 72 | 155.3 | 2.12 | 0.91 | 1.36 | 155.311 | 1.365 | 6 | 1.88017 | 128.0753 | 4.38949 | 0 | 4.3895 | 34.382 | 1.4047 | 0.0004 | 5 | 0.9521 | 0.2581 | 2.3443 | 36.80879 |
| 73 | 153.2 | 2.07 | 0.76 | 1.35 | 153.209 | 1.3511 | 6 | 1.88108 | 127.8674 | 4.45343 | 0 | 4.4534 | 33.403 | 1.3915 | 0.0004 | 5 | 0.9592 | 0.252 | 2.3555 | 35.42098 |
| 74 | 221.2 | 1.77 | 0.95 | 0.8 | 221.212 | 0.8001 | 6 | 1.60728 | 127.6177 | 4.51724 | 0 | 4.5172 | 47.971 | 0.8168 | 0.0003 | 6 | 0.8387 | 0.296 | 2.032 | 60.62694 |
| 75 | 83.6 | 2.88 | 0.95 | 3.45 | 83.6116 | 3.4445 | 5 | 2.35786 | 128.8067 | 4.58164 | 0 | 4.5816 | 17.249 | 3.6442 | 0.0009 | 3 | 1 | 0.231 | 2.8568 | 17.24928 |
| 76 | 90.2 | 3.76 | 1.23 | 4.17 | 90.2151 | 4.1678 | 4 | 2.39887 | 130.943 | 4.64711 | 0 | 4.6471 | 18.413 | 4.3942 | 0.001 | 3 | 1 | 0.2277 | 2.8865 | 18.41314 |
| 77 | 124 | 2.98 | 1.14 | 2.4 | 124.014 | 2.403 | 5 | 2.12729 | 130.0179 | 4.71212 | 0 | 4.7121 | 25.318 | 2.4979 | 0.0007 | 4 | 1 | 0.2246 | 2.6244 | 25.31808 |
| 78 | 151.6 | 2.14 | 1.14 | 1.41 | 151.614 | 1.4115 | 6 | 1.89791 | 128.0852 | 4.77616 | 0 | 4.7762 | 30.744 | 1.4574 | 0.0006 | 5 | 0.9967 | 0.2226 | 2.4156 | 30.89705 |
| 79 | 195.5 | 2.8 | 1.23 | 1.43 | 195.515 | 1.4321 | 6 | 1.82794 | 130.6723 | 4.8415 | 0 | 4.8415 | 39.383 | 1.4685 | 0.0005 | 5 | 0.9606 | 0.232 | 2.3111 | 41.81307 |
| 80 | 213.3 | 2.26 | 1.14 | 1.06 | 213.314 | 1.0595 | 6 | 1.70548 | 129.3172 | 4.90616 | 0 | 4.9062 | 42.479 | 1.0844 | 0.0004 | 5 | 0.9136 | 0.2462 | 2.1816 | 48.49665 |
| 81 | 100.3 | 2.86 | 1.04 | 2.86 | 100.313 | 2.8511 | 5 | 2.24393 | 129.1998 | 4.97076 | 0 | 4.9708 | 19.181 | 2.9997 | 0.0008 | 4 | 1 | 0.2129 | 2.7683 | 19.18057 |
| 82 | 59 | 3.27 | 1.15 | 5.53 | 59.0141 | 5.5411 | 4 | 2.61274 | 128.8861 | 5.0352 | 0 | 5.0352 | 10.72 | 6.0579 | 0.0015 | 3 | 1 | 0.2101 | 3.1563 | 10.7203 |
| 83 | 98.2 | 4.53 | 1.23 | 4.62 | 98.2151 | 4.6123 | 9 | 2.40961 | 132.5134 | 5.10146 | 0 | 5.1015 | 18.252 | 4.865 | 0.001 | 3 | 1 | 0.2074 | 2.9181 | 18.25235 |
| 84 | 109.4 | 3.65 | 1.14 | 3.34 | 109.414 | 3.336 | 5 | 2.27094 | 131.1963 | 5.16706 | 0 | 5.1671 | 20.175 | 3.5013 | 0.0008 | 4 | 1 | 0.2048 | 2.7929 | 20.1753 |
| 85 | 119.3 | 4.3 | 1.33 | 3.6 | 119.316 | 3.6039 | 5 | 2.27314 | 132.6068 | 5.23336 | 0 | 5.2334 | 21.799 | 3.7692 | 0.0008 | 4 | 1 | 0.2022 | 2.7875 | 21.79918 |
| 86 | 189.8 | 2.62 | 1.39 | 1.38 | 189.817 | 1.3803 | 6 | 1.82446 | 130.114 | 5.29842 | 0 | 5.2984 | 34.825 | 1.4199 | 0.0005 | 5 | 1 | 0.1997 | 2.3666 | 34.82523 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 87 | 111.7 | 4.33 | 1.14 | 3.88 | 111.714 | 3.876 | 8 | 2.31568 | 132.4971 | 5.36467 | 0 | 5.3647 | 19.824 | 4.0715 | 0.0008 | 3 | 1 | 0.1972 | 2.8406 | 19.82403 |
| 88 | 64.3 | 4.94 | 1.61 | 7.68 | 64.3197 | 7.6804 | 9 | 2.69738 | 132.1149 | 5.43072 | 0 | 5.4307 | 10.844 | 8.3887 | 0.002 | 3 | 1 | 0.1948 | 3.244 | 10.84367 |
| 89 | 77.9 | 6.14 | 1.71 | 7.88 | 77.9209 | 7.8798 | 9 | 2.65497 | 134.174 | 5.49781 | 0 | 5.4978 | 13.173 | 8.478 | 0.0017 | 3 | 1 | 0.1925 | 3.1842 | 13.17309 |
| 90 | 82.3 | 5.97 | 1.61 | 7.25 | 82.3197 | 7.2522 | 9 | 2.61183 | 134.1024 | 5.56486 | 0 | 5.5649 | 13.793 | 7.778 | 0.0015 | 3 | 1 | 0.1901 | 3.1443 | 13.79277 |
| 91 | 120.8 | 5.62 | 1.33 | 4.65 | 120.816 | 4.6517 | 9 | 2.35753 | 134.5961 | 5.63216 | 0 | 5.6322 | 20.451 | 4.8791 | 0.0008 | 3 | 1 | 0.1879 | 2.8817 | 20.45115 |
| 92 | 132.1 | 5.29 | 1.42 | 4 | 132.117 | 4.004 | 8 | 2.28214 | 134.3715 | 5.69934 | 0 | 5.6993 | 22.181 | 4.1845 | 0.0008 | 3 | 1 | 0.1857 | 2.8113 | 22.18115 |
| 93 | 193.3 | 3.67 | 1.42 | 1.9 | 193.317 | 1.8984 | 6 | 1.92486 | 132.6246 | 5.76566 | 0 | 5.7657 | 32.529 | 1.9568 | 0.0006 | 5 | 1 | 0.1835 | 2.4734 | 32.52912 |
| 94 | 160.6 | 3.81 | 1.42 | 2.37 | 160.617 | 2.3721 | 5 | 2.05068 | 132.4465 | 5.83188 | 0 | 5.8319 | 26.541 | 2.4615 | 0.0007 | 4 | 1 | 0.1814 | 2.6043 | 26.54127 |
| 95 | 145.3 | 4.28 | 1.49 | 2.95 | 145.318 | 2.9453 | 5 | 2.15126 | 133.0535 | 5.89841 | 0 | 5.8984 | 23.637 | 3.0699 | 0.0008 | 4 | 1 | 0.1794 | 2.7036 | 23.63686 |
| 96 | 150.3 | 4.45 | 1.87 | 2.96 | 150.323 | 2.9603 | 5 | 2.14393 | 133.4211 | 5.96512 | 0 | 5.9651 | 24.2 | 3.0826 | 0.0009 | 4 | 1 | 0.1774 | 2.6968 | 24.20032 |
| 97 | 52.6 | 2.99 | 1.71 | 5.68 | 52.6209 | 5.6822 | 3 | 2.65397 | 127.9515 | 6.02909 | 0 | 6.0291 | 7.7278 | 6.4174 | 0.0026 | 3 | 1 | 0.1755 | 3.2828 | 7.72784 |
| 98 | 118.1 | 4.65 | 1.65 | 3.93 | 118.12 | 3.9367 | 8 | 2.30594 | 133.1548 | 6.09567 | 0 | 6.0957 | 18.378 | 4.1509 | 0.0011 | 3 | 1 | 0.1736 | 2.8712 | 18.37772 |
| 99 | 130.1 | 5.48 | 1.67 | 4.21 | 130.12 | 4.2115 | 9 | 2.30366 | 134.5925 | 6.16297 | 0 | 6.163 | 20.113 | 4.4209 | 0.001 | 3 | 1 | 0.1717 | 2.859 | 20.11328 |
| 100 | 241 | 2.74 | 1.59 | 1.14 | 241.019 | 1.1368 | 6 | 1.69264 | 131.0242 | 6.22848 | 0 | 6.2285 | 37.696 | 1.167 | 0.0005 | 5 | 1 | 0.1699 | 2.2897 | 37.69636 |
| 101 | 233 | 3.13 | 1.52 | 1.34 | 233.019 | 1.3432 | 6 | 1.75726 | 131.9156 | 6.29444 | 0 | 6.2944 | 36.02 | 1.3805 | 0.0005 | 5 | 1 | 0.1681 | 2.3476 | 36.01977 |
| 102 | 295.6 | 3.47 | 1.9 | 1.17 | 295.623 | 1.1738 | 6 | 1.64657 | 133.2505 | 6.36106 | 0 | 6.3611 | 45.474 | 1.1996 | 0.0005 | 5 | 1 | 0.1663 | 2.2297 | 45.47389 |
| 103 | 367.2 | 2.53 | 1.71 | 0.69 | 367.221 | 0.689 | 6 | 1.40852 | 131.4678 | 6.4268 | 0 | 6.4268 | 56.139 | 0.7012 | 0.0003 | 6 | 0.9011 | 0.1968 | 1.9587 | 67.09883 |
| 104 | 61.6 | 2.75 | 1.61 | 4.46 | 61.6197 | 4.4629 | 4 | 2.53018 | 127.7243 | 6.49066 | 0 | 6.4907 | 8.4936 | 4.9883 | 0.0021 | 3 | 1 | 0.163 | 3.1835 | 8.4936 |
| 105 | 202.7 | 2.05 | 1.62 | 1.01 | 202.72 | 1.0113 | 6 | 1.70609 | 128.4793 | 6.5549 | 0 | 6.5549 | 29.926 | 1.045 | 0.0006 | 5 | 1 | 0.1614 | 2.3476 | 29.92647 |
| 106 | 71.5 | 3.19 | 1.61 | 4.46 | 71.5197 | 4.4603 | 4 | 2.48686 | 129.1737 | 6.61948 | 0 | 6.6195 | 9.8044 | 4.9152 | 0.0018 | 3 | 1 | 0.1599 | 3.1301 | 9.80442 |
| 107 | 136.5 | 5.4 | 2.01 | 3.95 | 136.525 | 3.9553 | 8 | 2.26934 | 134.6021 | 6.68679 | 0 | 6.6868 | 19.417 | 4.159 | 0.0011 | 3 | 1 | 0.1582 | 2.8535 | 19.41708 |
| 108 | 145.9 | 3.35 | 1.57 | 2.29 | 145.919 | 2.2958 | 5 | 2.06624 | 131.271 | 6.75242 | 0 | 6.7524 | 20.61 | 2.4072 | 0.0008 | 4 | 1 | 0.1567 | 2.6857 | 20.60991 |
| 109 | 47.9 | 1.59 | 1.8 | 3.32 | 47.922 | 3.3179 | 4 | 2.5142 | 123.1024 | 6.81397 | 0 | 6.814 | 6.0329 | 3.8679 | 0.0032 | 3 | 1 | 0.1553 | 3.2404 | 6.03291 |
| 110 | 54.4 | 1.98 | 1.61 | 3.64 | 54.4197 | 3.6384 | 4 | 2.50298 | 125.0176 | 6.87648 | 0 | 6.8765 | 6.9139 | 4.1646 | 0.0024 | 3 | 1 | 0.1539 | 3.2097 | 6.91389 |
| 111 | 78.2 | 3.02 | 1.42 | 3.86 | 78.2174 | 3.861 | 4 | 2.41415 | 128.9913 | 6.94098 | 0 | 6.941 | 10.269 | 4.237 | 0.0014 | 3 | 1 | 0.1524 | 3.075 | 10.26893 |
| 112 | 121.9 | 4.53 | 1.61 | 3.71 | 121.92 | 3.7156 | 8 | 2.2777 | 133.0407 | 7.0075 | 0 | 7.0075 | 16.398 | 3.9421 | 0.001 | 3 | 1 | 0.151 | 2.8953 | 16.39847 |
| 113 | 63.9 | 4.19 | 1.52 | 6.56 | 63.9186 | 6.5552 | 3 | 2.64577 | 130.8948 | 7.07294 | 0 | 7.0729 | 8.0371 | 7.3708 | 0.0019 | 3 | 1 | 0.1496 | 3.307 | 8.03706 |
| 114 | 115.6 | 4.79 | 1.43 | 4.14 | 115.618 | 4.143 | 9 | 2.32915 | 133.3196 | 7.1396 | 0 | 7.1396 | 15.194 | 4.4157 | 0.001 | 3 | 1 | 0.1482 | 2.9521 | 15.19383 |
| 115 | 83.5 | 5.22 | 1.52 | 6.25 | 83.5186 | 6.2501 | 9 | 2.55682 | 133.1554 | 7.20618 | 0 | 7.2062 | 10.59 | 6.8403 | 0.0014 | 3 | 1 | 0.1468 | 3.194 | 10.58986 |
| 116 | 43.6 | 3.18 | 1.52 | 7.29 | 43.6186 | 7.2905 | 3 | 2.78897 | 127.9446 | 7.27015 | 0 | 7.2702 | 4.9997 | 8.7487 | 0.003 | 2 | 1 | 0.1455 | 3.5147 | 4.99968 |
| 117 | 36.8 | 2.08 | 1.58 | 5.65 | 36.8193 | 5.6492 | 3 | 2.7582 | 124.4252 | 7.33237 | 0 | 7.3324 | 4.0215 | 7.054 | 0.0039 | 3 | 1 | 0.1443 | 3.5341 | 4.02148 |
| 118 | 39 | 2.38 | 1.52 | 6.1 | 39.0186 | 6.0997 | 3 | 2.76471 | 125.5525 | 7.39514 | 0 | 7.3951 | 4.2763 | 7.5261 | 0.0035 | 2 | 1 | 0.1431 | 3.5292 | 4.27625 |
| 119 | 48.2 | 3.49 | 1.43 | 7.23 | 48.2175 | 7.238 | 3 | 2.75785 | 128.8698 | 7.45958 | 0 | 7.4596 | 5.4638 | 8.5628 | 0.0025 | 2 | 1 | 0.1419 | 3.4786 | 5.46384 |
| 120 | 206.8 | 5.02 | 1.7 | 2.43 | 206.821 | 2.4272 | 5 | 1.99155 | 135.0812 | 7.52712 | 0 | 7.5271 | 26.477 | 2.5189 | 0.0006 | 4 | 1 | 0.1406 | 2.6113 | 26.47676 |
| 121 | 284.1 | 3.88 | 1.42 | 1.37 | 284.117 | 1.3656 | 6 | 1.709 | 133.9708 | 7.5941 | 0 | 7.5941 | 36.413 | 1.4031 | 0.0004 | 5 | 1 | 0.1393 | 2.3478 | 36.41289 |
| 122 | 363.4 | 5.84 | 1.71 | 1.61 | 363.421 | 1.607 | 6 | 1.70472 | 137.28 | 7.66274 | 0 | 7.6627 | 46.427 | 1.6416 | 0.0004 | 5 | 1 | 0.1381 | 2.3047 | 46.427 |
| 123 | 368 | 3.85 | 1.82 | 1.05 | 368.022 | 1.0461 | 6 | 1.54886 | 134.5452 | 7.73002 | 0 | 7.73 | 46.61 | 1.0686 | 0.0004 | 5 | 1 | 0.1369 | 2.192 | 46.60951 |
| 124 | 353.4 | 3.92 | 2.09 | 1.11 | 353.426 | 1.1091 | 6 | 1.57973 | 134.5783 | 7.79731 | 0 | 7.7973 | 44.327 | 1.1342 | 0.0004 | 5 | 1 | 0.1357 | 2.2247 | 44.32663 |
| 125 | 388.8 | 5.09 | 2.41 | 1.31 | 388.83 | 1.3091 | 6 | 1.61433 | 136.7222 | 7.86567 | 0 | 7.8657 | 48.434 | 1.3361 | 0.0005 | 5 | 1 | 0.1345 | 2.2354 | 48.43376 |
| 126 | 368.7 | 3.7 | 2.75 | 1 | 368.734 | 1.0034 | 6 | 1.53391 | 134.2591 | 7.9328 | 0 | 7.9328 | 45.482 | 1.0255 | 0.0006 | 5 | 1 | 0.1334 | 2.1907 | 45.48218 |
| 127 | 332.8 | 3.48 | 2.85 | 1.04 | 332.835 | 1.0456 | 6 | 1.57523 | 133.5607 | 7.99958 | 0 | 7.9996 | 40.607 | 1.0713 | 0.0006 | 5 | 1 | 0.1323 | 2.2421 | 40.60656 |
| 128 | 334.3 | 3.69 | 2.86 | 1.1 | 334.335 | 1.1037 | 6 | 1.59259 | 134.0004 | 8.06658 | 0 | 8.0666 | 40.447 | 1.131 | 0.0006 | 5 | 1 | 0.1312 | 2.2567 | 40.44695 |
| 129 | 284.1 | 2.33 | 2.52 | 0.82 | 284.131 | 0.82 | 6 | 1.53925 | 130.2395 | 8.1317 | 0 | 8.1317 | 33.941 | 0.8442 | 0.0007 | 5 | 1 | 0.1301 | 2.2528 | 33.94115 |
| 130 | 215.6 | 2.7 | 1.71 | 1.25 | 215.621 | 1.2522 | 6 | 1.75608 | 130.645 | 8.19702 | 0 | 8.197 | 25.305 | 1.3017 | 0.0006 | 5 | 1 | 0.1291 | 2.4602 | 25.3048 |
| 131 | 256.5 | 3.31 | 2.28 | 1.29 | 256.528 | 1.2903 | 6 | 1.71722 | 132.5591 | 8.2633 | 0 | 8.2633 | 30.044 | 1.3333 | 0.0007 | 5 | 1 | 0.1281 | 2.4037 | 30.04425 |
| 132 | 51 | 1.44 | 2.18 | 2.83 | 51.0267 | 2.8221 | 5 | 2.44606 | 122.5304 | 8.32456 | 0 | 8.3246 | 5.1297 | 3.3722 | 0.0037 | 3 | 1 | 0.1271 | 3.2669 | 5.12965 |
| 133 | 171.6 | 6.28 | 2.11 | 3.66 | 171.626 | 3.6591 | 8 | 2.18355 | 136.2648 | 8.3927 | 0 | 8.3927 | 19.449 | 3.8473 | 0.0009 | 3 | 1 | 0.1261 | 2.8312 | 19.44943 |
| 134 | 198.4 | 4.72 | 1.71 | 2.38 | 198.421 | 2.3788 | 5 | 1.99525 | 134.5292 | 8.45996 | 0 | 8.46 | 22.454 | 2.4847 | 0.0007 | 4 | 1 | 0.1251 | 2.6642 | 22.45412 |
| 135 | 47.8 | 1.87 | 1.99 | 3.9 | 47.8244 | 3.9101 | 4 | 2.56473 | 124.2843 | 8.5221 | 0 | 8.5221 | 4.6118 | 4.758 | 0.0037 | 3 | 1 | 0.1242 | 3.3874 | 4.6118 |
| 136 | 60.5 | 2.49 | 1.85 | 4.12 | 60.5226 | 4.1142 | 4 | 2.50951 | 126.9538 | 8.58558 | 0 | 8.5856 | 6.0493 | 4.7943 | 0.0026 | 3 | 1 | 0.1232 | 3.2924 | 6.04934 |
| 137 | 118.5 | 8.06 | 1.81 | 6.8 | 118.522 | 6.8004 | 9 | 2.49627 | 137.1878 | 8.65417 | 0 | 8.6542 | 12.695 | 7.3361 | 0.0012 | 3 | 1 | 0.1223 | 3.1542 | 12.69538 |
| 138 | 212.9 | 7.85 | 1.8 | 3.69 | 212.922 | 3.6868 | 8 | 2.13363 | 137.28 | 8.72281 | 0 | 8.7228 | 23.41 | 3.8443 | 0.0006 | 4 | 1 | 0.1213 | 2.7695 | 23.40979 |
| 139 | 312.3 | 5.74 | 1.9 | 1.84 | 312.323 | 1.8378 | 6 | 1.7897 | 137.0672 | 8.79135 | 0 | 8.7914 | 34.526 | 1.8911 | 0.0005 | 5 | 1 | 0.1204 | 2.4438 | 34.52621 |
| 140 | 422 | 8.49 | 15.23 | 2.01 | 422.186 | 2.011 | 8 | 1.75384 | 137.28 | 8.85999 | 0 | 8.86 | 46.651 | 2.0541 | 0.0027 | 5 | 1 | 0.1194 | 2.365 | 46.65091 |
| 141 | 361.8 | 7.38 | 15.34 | 2.04 | 361.988 | 2.0387 | 6 | 1.79297 | 137.28 | 8.92863 | 0 | 8.9286 | 39.542 | 2.0903 | 0.0031 | 5 | 1 | 0.1185 | 2.4249 | 39.54238 |
| 142 | 507.4 | 8.68 | 14.51 | 1.71 | 507.578 | 1.7101 | 6 | 1.65343 | 137.28 | 8.99727 | 0 | 8.9973 | 55.415 | 1.7409 | 0.0021 | 5 | 1 | 0.1176 | 2.2615 | 55.41464 |
| 143 | 368.6 | 4.16 | 14.16 | 1.13 | 368.773 | 1.1281 | 6 | 1.57467 | 135.1168 | 9.06483 | 0 | 9.0648 | 39.682 | 1.1565 | 0.0028 | 5 | 1 | 0.1167 | 2.2691 | 39.68179 |
| 144 | 427 | 4.2 | 12.84 | 0.98 | 427.157 | 0.9832 | 6 | 1.48894 | 135.5452 | 9.1326 | 0 | 9.1326 | 45.773 | 1.0047 | 0.0022 | 5 | 1 | 0.1159 | 2.1834 | 45.7728 |
| 145 | 384.1 | 5.06 | 13.13 | 1.32 | 384.261 | 1.3168 | 6 | 1.61934 | 136.6501 | 9.20092 | 0 | 9.2009 | 40.763 | 1.3491 | 0.0025 | 5 | 1 | 0.115 | 2.2981 | 40.76328 |
| 146 | 382.8 | 4.42 | 13.51 | 1.15 | 382.965 | 1.1542 | 6 | 1.57315 | 135.6525 | 9.26875 | 0 | 9.2688 | 40.318 | 1.1828 | 0.0026 | 5 | 1 | 0.1142 | 2.2689 | 40.31791 |
| 147 | 377.2 | 4.3 | 13.92 | 1.14 | 377.37 | 1.1395 | 6 | 1.57234 | 135.4152 | 9.33646 | 0 | 9.3365 | 39.419 | 1.1684 | 0.0027 | 5 | 1 | 0.1133 | 2.274 | 39.41901 |
| 148 | 323.5 | 3.32 | 12.84 | 1.03 | 323.657 | 1.0258 | 6 | 1.57627 | 133.1481 | 9.40303 | 0 | 9.403 | 33.421 | 1.0565 | 0.0029 | 5 | 1 | 0.1125 | 2.3096 | 33.42051 |
| 149 | 356.5 | 3.36 | 13.32 | 0.94 | 356.663 | 0.9421 | 6 | 1.52109 | 133.4726 | 9.46977 | 0 | 9.4698 | 36.663 | 0.9678 | 0.0028 | 5 | 1 | 0.1117 | 2.2552 | 36.66334 |
| 150 | 446.1 | 5.83 | 14.07 | 1.31 | 446.272 | 1.3064 | 6 | 1.58082 | 137.28 | 9.53841 | 0 | 9.5384 | 45.787 | 1.3349 | 0.0023 | 5 | 1 | 0.1109 | 2.2547 | 45.78687 |

Presented below is a list of formulas used for the estimation of various soil properties. The formulas are presented in SI unit system and assume that all components are expressed in the same units.

**:: Unit Weight, g (kN/m³) ::**

$$g = g_w \cdot \left( 0.27 \cdot \log(R_f) + 0.36 \cdot \log(\frac{q_t}{p_a}) + 1.236 \right)$$

where $g_w$ = water unit weight

**:: Permeability, k (m/s) ::**

$I_c < 3.27$ and $I_c > 1.00$ then $k = 10^{0.952-3.04 \cdot I_c}$

$I_c \leq 4.00$ and $I_c > 3.27$ then $k = 10^{-4.52-1.37 \cdot I_c}$

**:: $N_{SPT}$ (blows per 30 cm) ::**

$$N_{60} = \left( \frac{q_c}{P_a} \right) \cdot \frac{1}{10^{1.1268-0.2817 \cdot I_c}}$$

$$N_{1(60)} = Q_{tn} \cdot \frac{1}{10^{1.1268-0.2817 \cdot I_c}}$$

**:: Young's Modulus, Es (MPa) ::**

$(q_t - \sigma_v) \cdot 0.015 \cdot 10^{0.55 \cdot I_c + 1.68}$

(applicable only to $I_c < I_{c\_cutoff}$)

**:: Relative Density, Dr (%) ::**

$100 \cdot \sqrt{\frac{Q_{tn}}{k_{DR}}}$ (applicable only to $SBT_n$: 5, 6, 7 and 8 or $I_c < I_{c\_cutoff}$)

**:: State Parameter, ψ ::**

$\psi = 0.56 - 0.33 \cdot \log(Q_{tn,cs})$

**:: Peak drained friction angle, φ (°) ::**

$\varphi = 17.60 + 11 \cdot \log(Q_{tn})$

(applicable only to $SBT_n$: 5, 6, 7 and 8)

**:: 1-D constrained modulus, M (MPa) ::**

If $I_c > 2.20$

$\alpha = 14$ for $Q_{tn} > 14$

$\alpha = Q_{tn}$ for $Q_{tn} \leq 14$

$M_{CPT} = \alpha \cdot (q_t - \sigma_v)$

If $I_c \leq 2.20$

$M_{CPT} = (q_t - \sigma_v) \cdot 0.0188 \cdot 10^{0.55 \cdot I_c + 1.68}$

**:: Small strain shear Modulus, Go (MPa) ::**

$$G_0 = (q_t - \sigma_v) \cdot 0.0188 \cdot 10^{0.55 \cdot I_c + 1.68}$$

**:: Shear Wave Velocity, Vs (m/s) ::**

$$V_s = \left( \frac{G_0}{\rho} \right)^{0.50}$$

**:: Undrained peak shear strength, Su (kPa) ::**

$N_{kt} = 10.50 + 7 \cdot \log(F_r)$ or user defined

$$S_u = \frac{(q_t - \sigma_v)}{N_{kt}}$$

(applicable only to $SBT_n$: 1, 2, 3, 4 and 9 or $I_c > I_{c\_cutoff}$)

**:: Remolded undrained shear strength, Su(rem) (kPa) ::**

$S_{u(rem)} = f_s$ (applicable only to $SBT_n$: 1, 2, 3, 4 and 9 or $I_c > I_{c\_cutoff}$)

**:: Overconsolidation Ratio, OCR ::**

$$k_{OCR} = \left[ \frac{Q_{tn}^{0.20}}{0.25 \cdot (10.50 \cdot +7 \cdot \log(F_r))} \right]^{1.25}$$ or user defined

$OCR = k_{OCR} \cdot Q_{tn}$

(applicable only to $SBT_n$: 1, 2, 3, 4 and 9 or $I_c > I_{c\_cutoff}$)

**:: In situ Stress Ratio, Ko ::**

$$K_O = 0.1 \cdot \left( \frac{q_t - \sigma_v}{\sigma'_{vo}} \right)$$

(applicable only to $SBT_n$: 1, 2, 3, 4 and 9 or $I_c > I_{c\_cutoff}$)

**:: Soil Sensitivity, $S_t$ ::**

$$S_t = \frac{N_S}{F_r}$$

(applicable only to $SBT_n$: 1, 2, 3, 4 and 9 or $I_c > I_{c\_cutoff}$)

**:: Effective Stress Friction Angle, φ' (°) ::**

$\varphi' = 29.5° \cdot B_q^{0.121} \cdot (0.256 + 0.336 \cdot B_q + \log Q_t)$

(applicable for $0.10 < B_q < 1.00$)

**References**


- Robertson, P.K., Cabal K.L., Guide to Cone Penetration Testing for Geotechnical Engineering, Gregg Drilling & Testing, Inc., 4th Edition, July 2010
- Robertson, P.K., Interpretation of Cone Penetration Tests - a unified approach., Can. Geotech. J. 46(11): 1337–1355 (2009)

# SUMMARY

# OF

# CONE PENETRATION TEST DATA

Project:

**8150 W. Sunset Blvd.**
**Los Angeles, CA**
**November 4, 14, 15 & 18, 2013**

Prepared for:

**Mr. Don Lowry**
**Golder Associates Inc.**
**230 Commerce, Ste 200**
**Irvine, CA 92602**
**Office (714) 508-4400 / Fax (714) 508-4401**

Prepared by:


KEHOE TESTING & ENGINEERING
5415 Industrial Drive
Huntington Beach, CA 92649-1518
Office (714) 901-7270 / Fax (714) 901-7289
www.kehoetesting.com

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# SUMMARY
# OF
# CONE PENETRATION TEST DATA

## 1. INTRODUCTION

This report presents the results of a Cone Penetration Test (CPT) program carried out for the project located at 8150 W. Sunset Blvd. in Los Angeles, California. The work was performed by Kehoe Testing & Engineering (KTE) on November 4, 14, 15 & 18, 2013. The scope of work was performed as directed by Golder Associates Inc. personnel.

## 2. SUMMARY OF FIELD WORK

The fieldwork consisted of performing CPT soundings at 11 locations to determine the soil lithology. Groundwater measurements and hole collapse depths provided in **TABLE 2.1** are for information only. The readings indicate the apparent depth to which the hole is open and the apparent water level (if encountered) in the CPT probe hole at the time of measurement upon completion of the CPT. KTE does not warranty the accuracy of the measurements and the reported water levels may not represent the true or stabilized groundwater levels.

| LOCATION | DEPTH OF CPT (ft) | COMMENTS/NOTES: |
|---|---|---|
| **CPT-4** | 185 | Hole open to 32.0 ft (dry) |
| **CPT-5** | 160 | Hole open to 150.0 ft (dry) |
| **CPT-6** | 150 | Hole open to 96.1 ft (dry) |
| **CPT-7** | 160 | Hole open to 125.0 ft (dry) |
| **CPT-8** | 160 | Hole open to 125.0 ft (dry) |
| **CPT-9** | 158 | Refusal, hole open to 125.0 ft (dry) |
| **CPT-10** | 151 | Refusal, hole open to 125.0 ft (dry) |
| **CPT-11** | 147 | Refusal, hole open to 125.0 ft (dry) |
| **CPT-12** | 148 | Refusal, hole open to 125.0 ft (dry) |
| **CPT-13** | 164 | Refusal, hole open to 125.0 ft (dry) |
| **CPT-14** | 152 | Refusal, hole open to 125.0 ft (dry) |

**TABLE 2.1 - Summary of CPT Soundings**

## 3. FIELD EQUIPMENT & PROCEDURES

The CPT soundings were carried out by **KTE** using an integrated electronic cone system manufactured by Vertek. The CPT soundings were performed in accordance with ASTM standards (D5778). The cone penetrometers were pushed using a 30-ton CPT rig. The cone

used during the program was a 15 cm^2 cone and recorded the following parameters at approximately 2.5 cm depth intervals:

- Cone Resistance (qc)
- Sleeve Friction (fs)
- Dynamic Pore Pressure (u)
- Inclination
- Penetration Speed

The above parameters were recorded and viewed in real time using a laptop computer. Data is stored at the KTE office for future analysis and reference. A complete set of baseline readings was taken prior to each sounding to determine temperature shifts and any zero load offsets. Monitoring base line readings ensures that the cone electronics are operating properly.

## 4. CONE PENETRATION TEST DATA & INTERPRETATION

The Cone Penetration Test data is presented in graphical form in the attached Appendix. These plots were generated using the CPeT-IT program. Penetration depths are referenced to ground surface. The soil classification on the CPT plots is derived from the attached CPT Classification Chart (Robertson) and presents major soil lithologic changes. The stratigraphic interpretation is based on relationships between cone resistance (qc), sleeve friction (fs), and penetration pore pressure (u). The friction ratio (Rf), which is sleeve friction divided by cone resistance, is a calculated parameter that is used along with cone resistance to infer soil behavior type. Generally, cohesive soils (clays) have high friction ratios, low cone resistance and generate excess pore water pressures. Cohesionless soils (sands) have lower friction ratios, high cone bearing and generate little (or negative) excess pore water pressures.

Tables of basic CPT output from the interpretation program CPeT-IT are provided for CPT data averaged over one foot intervals in the Appendix. Spreadsheet files of the averaged basic CPT output and averaged estimated geotechnical parameters are also included for use in further geotechnical analysis. We recommend a geotechnical engineer review the assumed input parameters and the calculated output from the CPeT-IT program. A summary of the equations used for the tabulated parameters is provided in the Appendix.

It should be noted that it is not always possible to clearly identify a soil type based on qc, fs and u. In these situations, experience, judgement and an assessment of the pore pressure data should be used to infer the soil behavior type.

If you have any questions regarding this information, please do not hesitate to call our office at (714) 901-7270.

Sincerely,

KEHOE TESTING & ENGINEERING

Richard W. Koester, Jr.
General Manager

12/02/13-cb-4159-2

# APPENDIX

**Kehoe Testing and Engineering**
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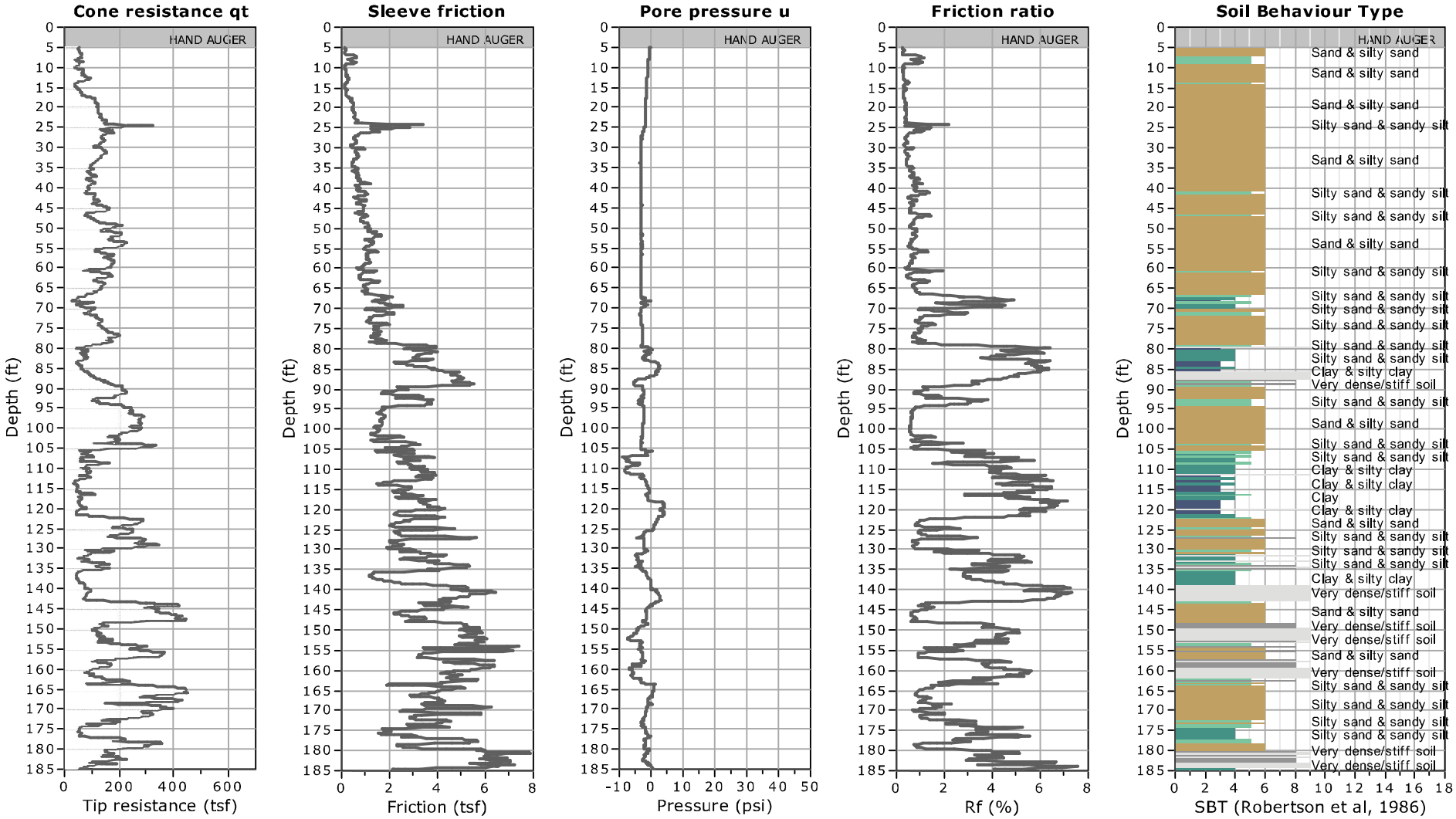
**CPT: CPT-4**

**Project:** **Golder Associates**
**Location:** **8150 W. Sunset Blvd. Los Angeles, CA**

Total depth: 185.65 ft, Date: 11/4/2013
Cone Type: Vertek



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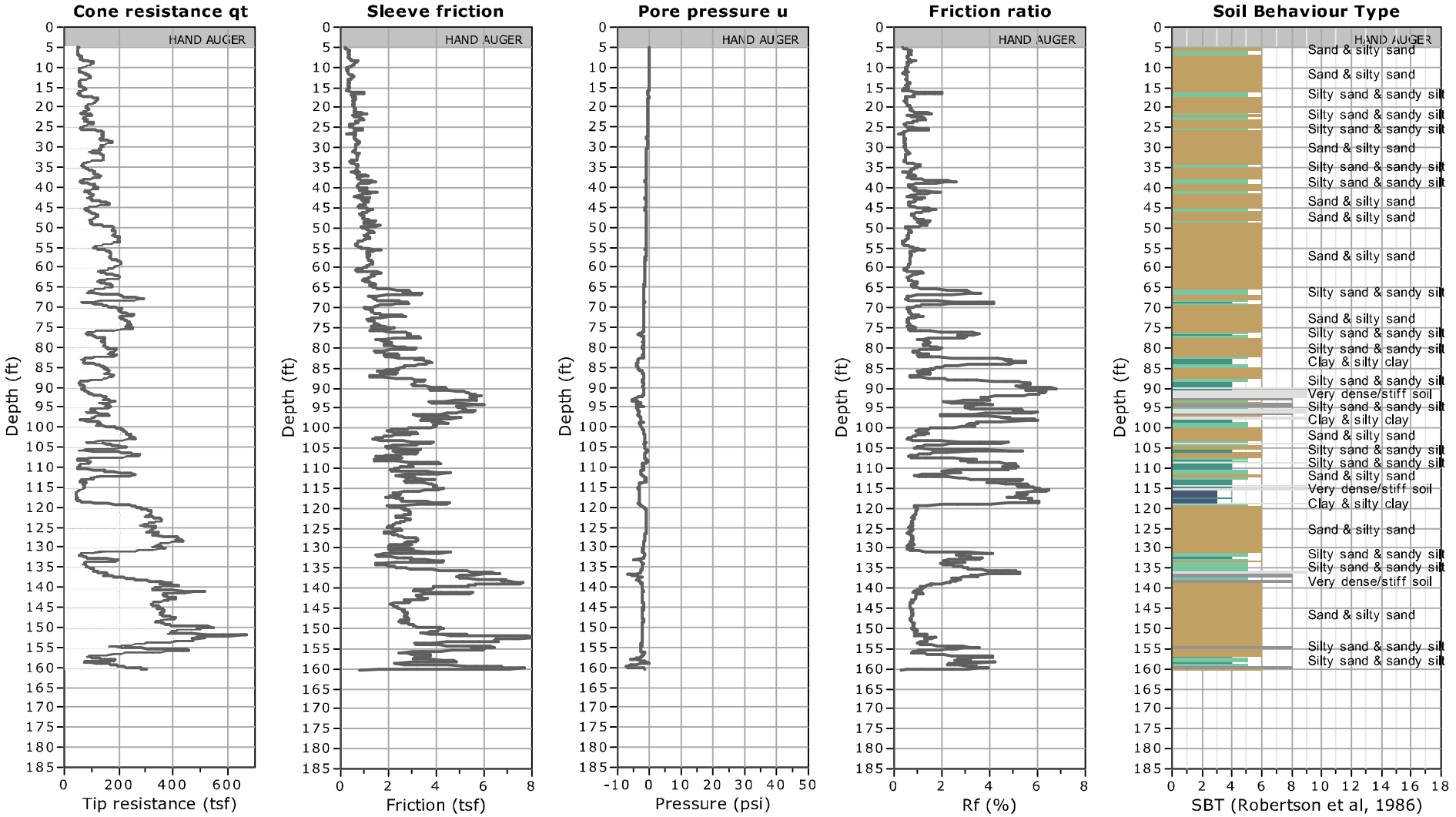
**CPT: CPT-5**

**Project:** **Golder Associates**
**Location:** **8150 W. Sunset Blvd. Los Angeles, CA**

Total depth: 160.50 ft, Date: 11/4/2013
Cone Type: Vertek



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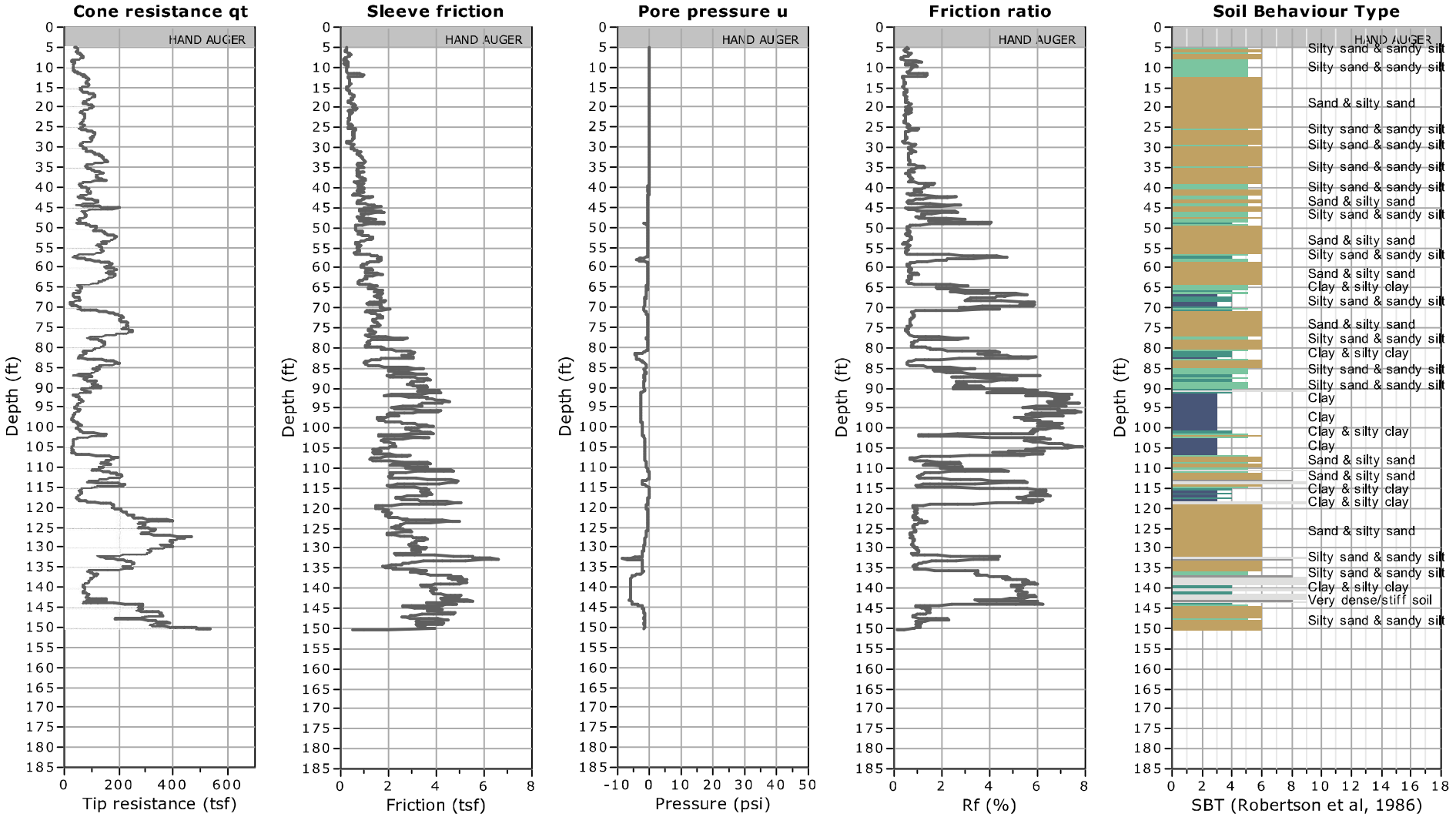
**CPT: CPT-6**

**Project:** **Golder Associates**
**Location:** **8150 W. Sunset Blvd. Los Angeles, CA**

Total depth: 150.52 ft, Date: 11/4/2013
Cone Type: Vertek



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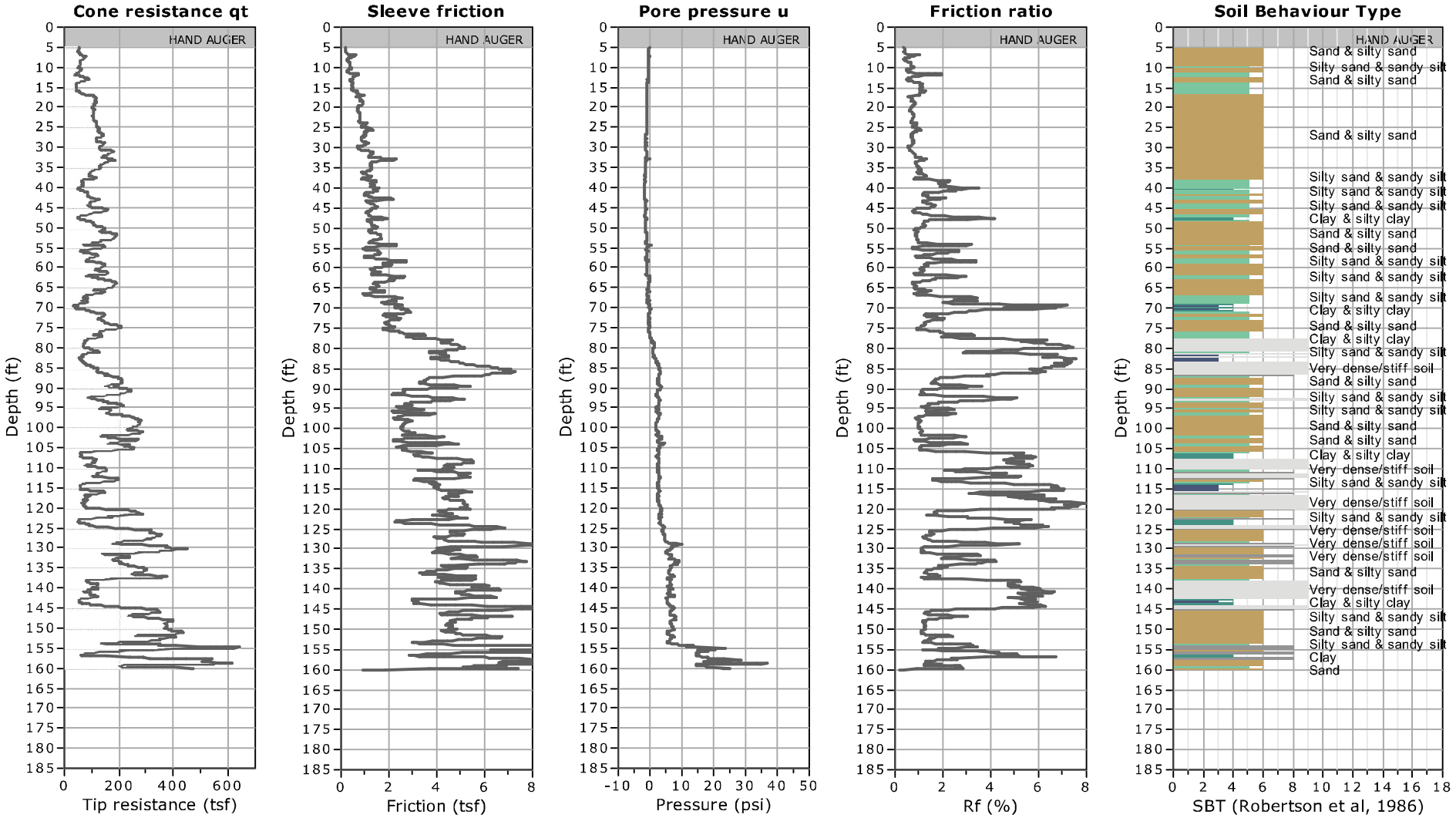
**CPT: CPT-7**

**Project:** **Golder Associates**
**Location:** **8150 W. Sunset Blvd. Los Angeles, CA**

Total depth: 160.25 ft, Date: 11/14/2013
Cone Type: Vertek



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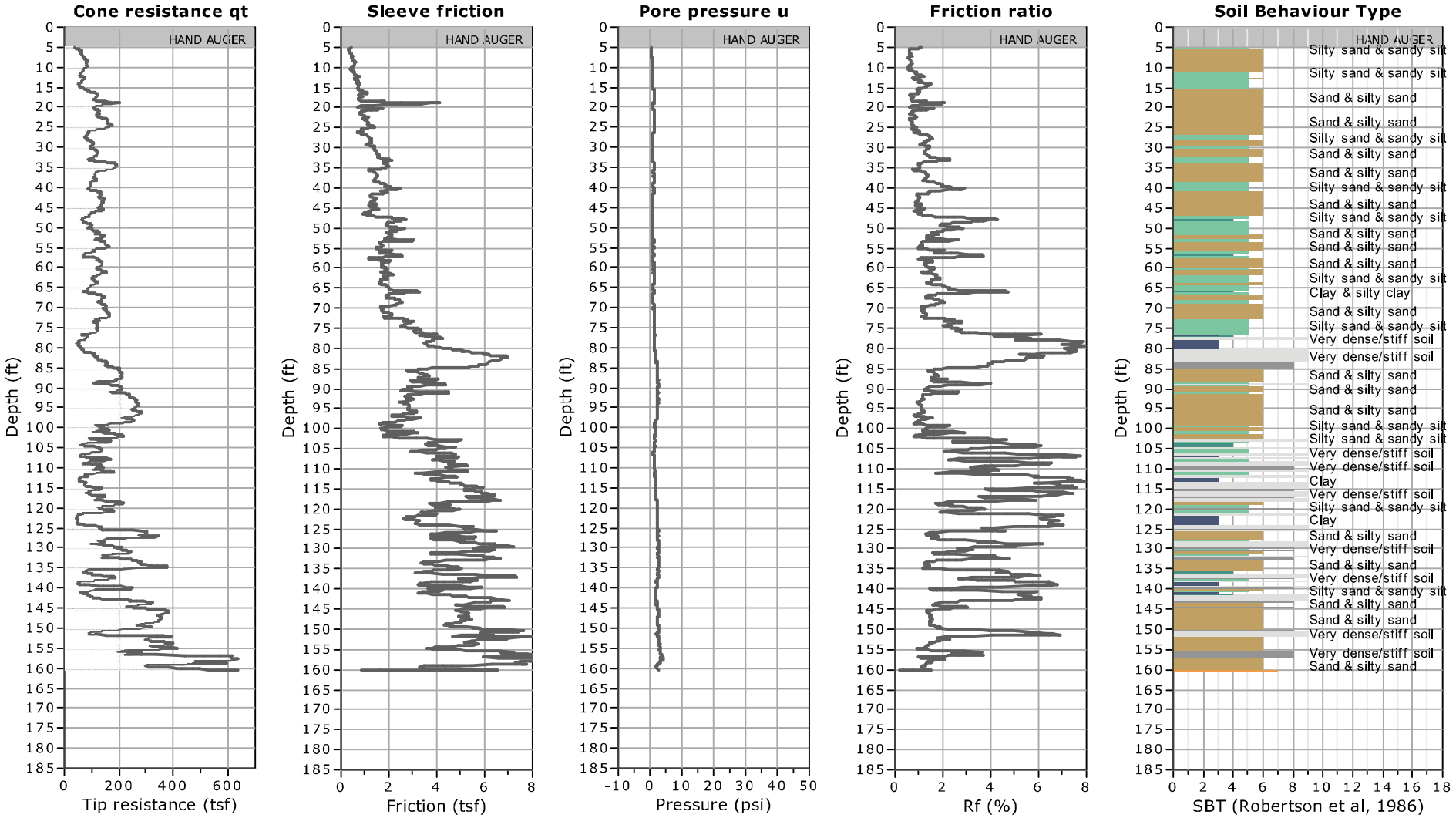
**CPT: CPT-8**

**Project:** **Golder Associates**
**Location:** **8150 W. Sunset Blvd. Los Angeles, CA**

Total depth: 160.41 ft, Date: 11/14/2013
Cone Type: Vertek



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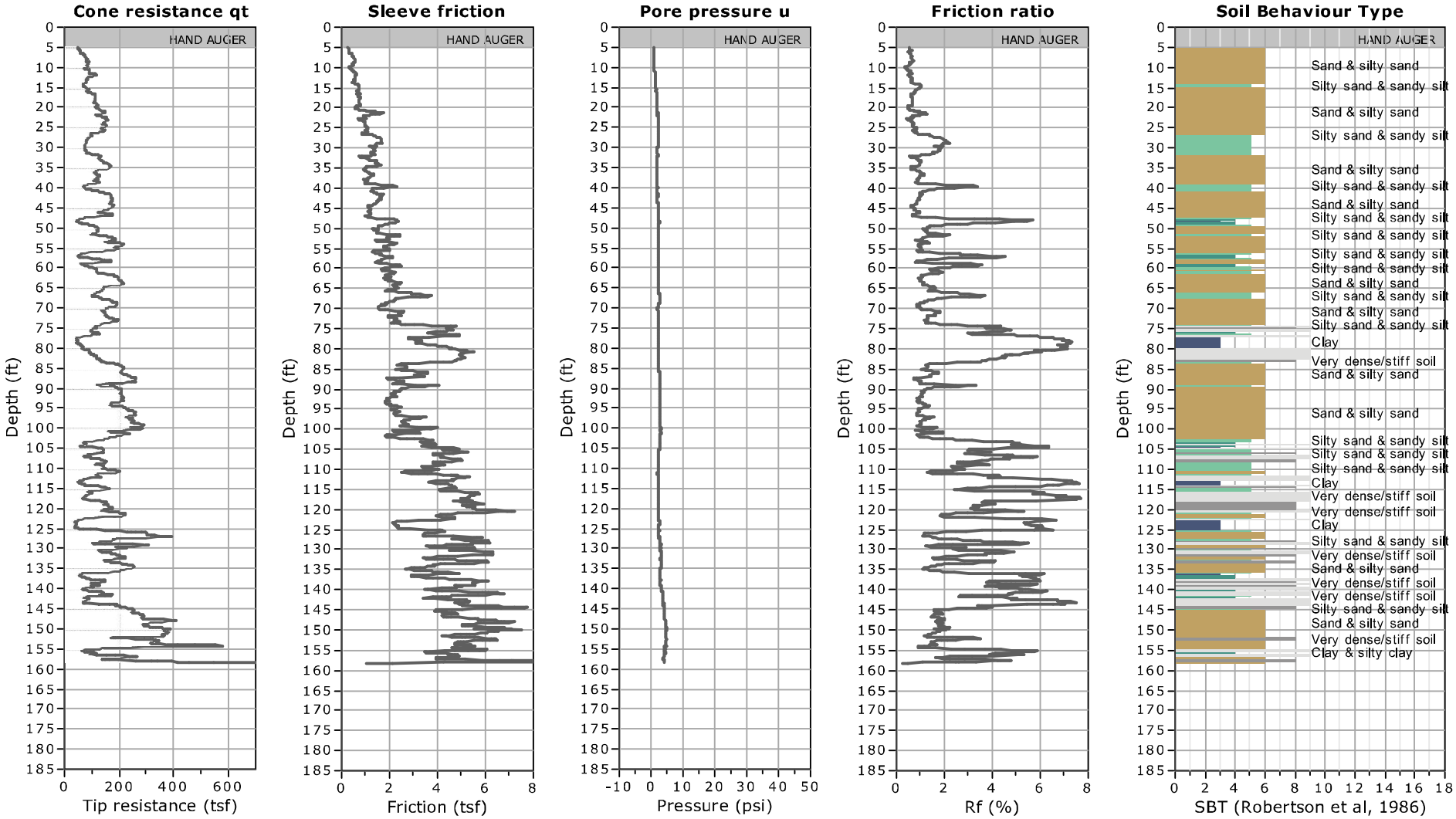
**CPT: CPT-9**

**Project:** **Golder Associates**
**Location:** **8150 W. Sunset Blvd. Los Angeles, CA**

Total depth: 158.38 ft, Date: 11/14/2013
Cone Type: Vertek



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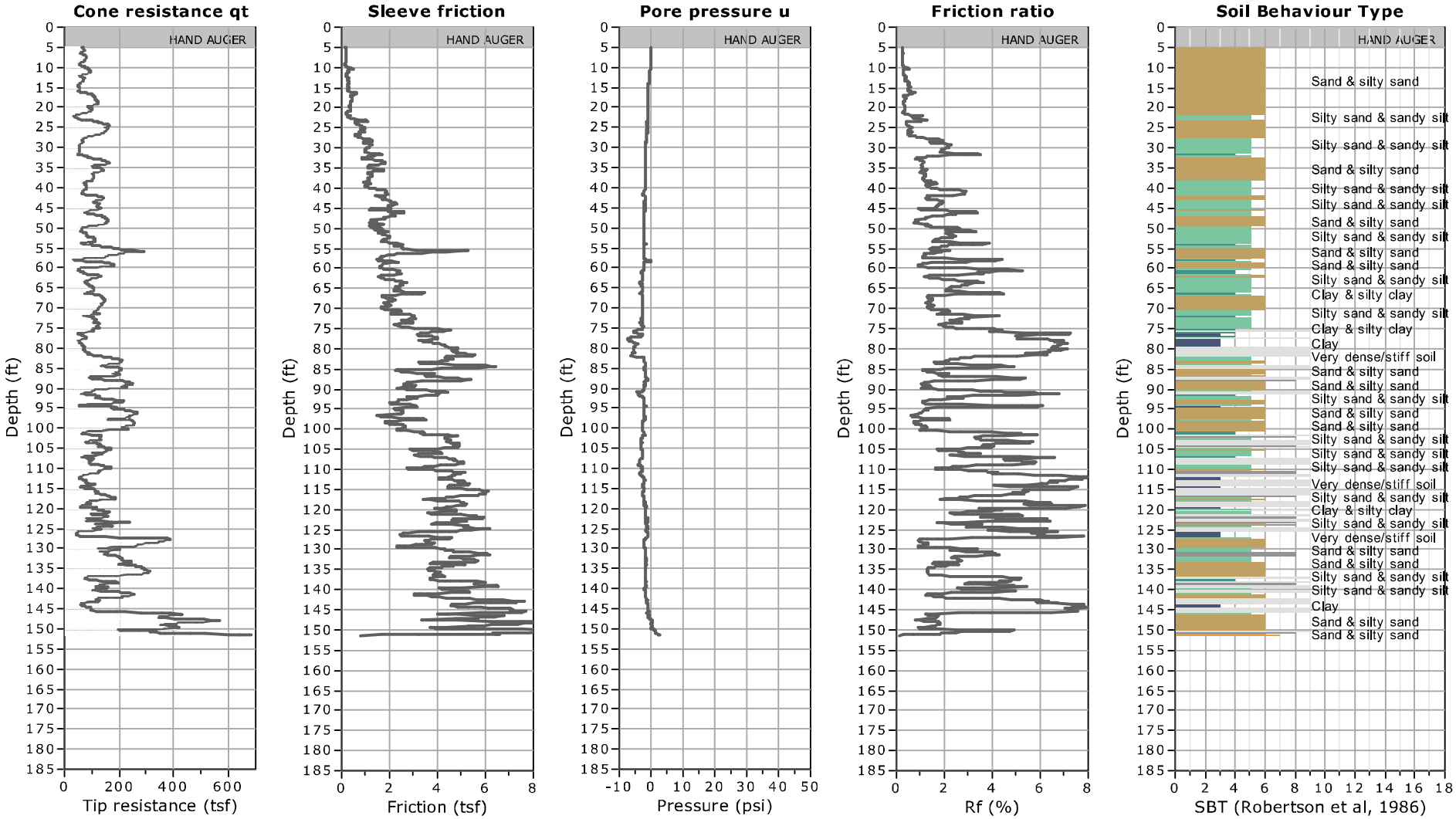
**CPT: CPT-10**

**Project:** **Golder Associates**
**Location:** **8150 W. Sunset Blvd. Los Angeles, CA**

Total depth: 151.45 ft, Date: 11/15/2013
Cone Type: Vertek



**Kehoe Testing and Engineering**
714-901-7270
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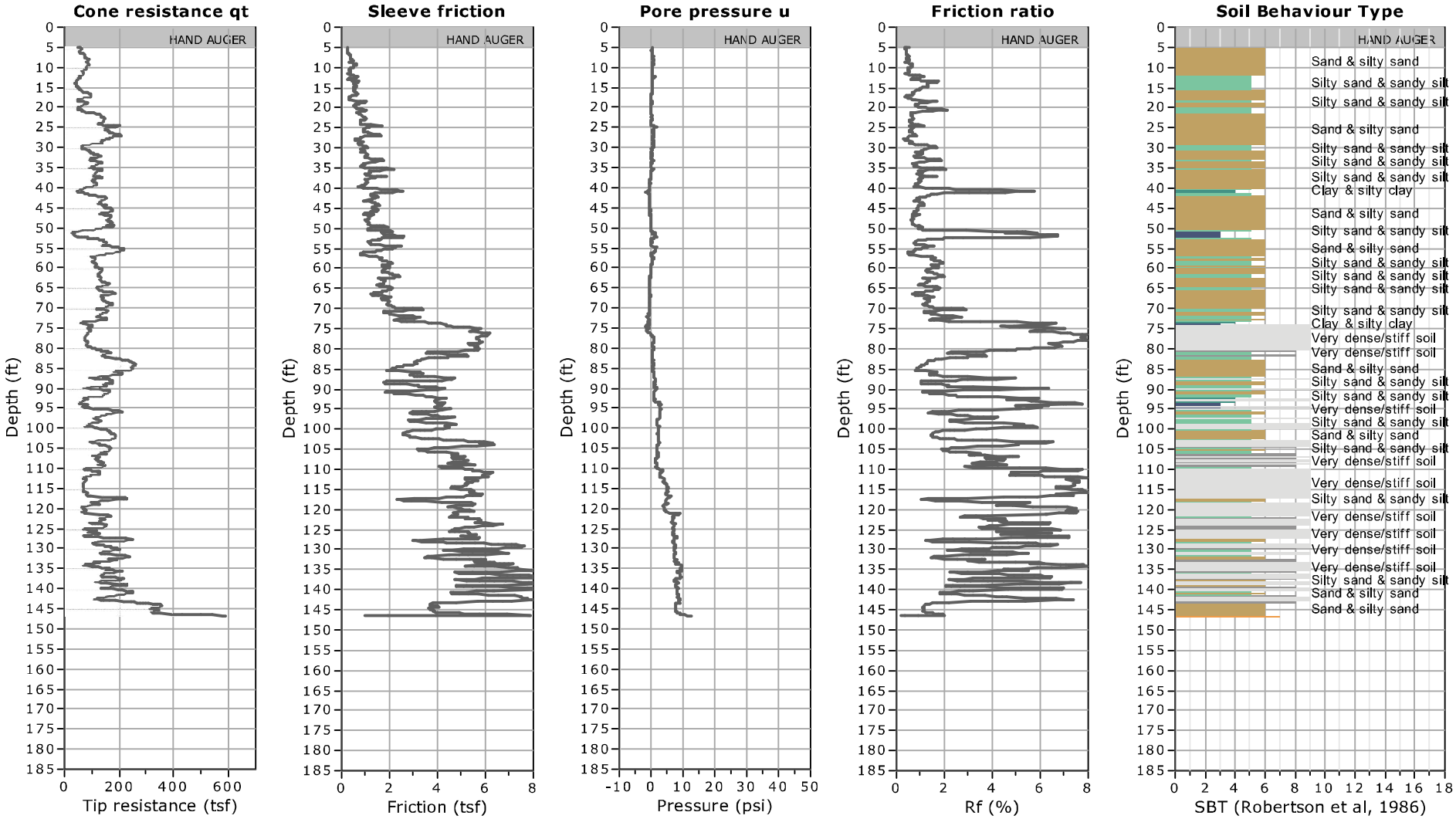
**CPT: CPT-11**

**Project:** **Golder Associates**
**Location:** **8150 W. Sunset Blvd. Los Angeles, CA**

Total depth: 146.69 ft, Date: 11/18/2013
Cone Type: Vertek



**Kehoe Testing and Engineering**
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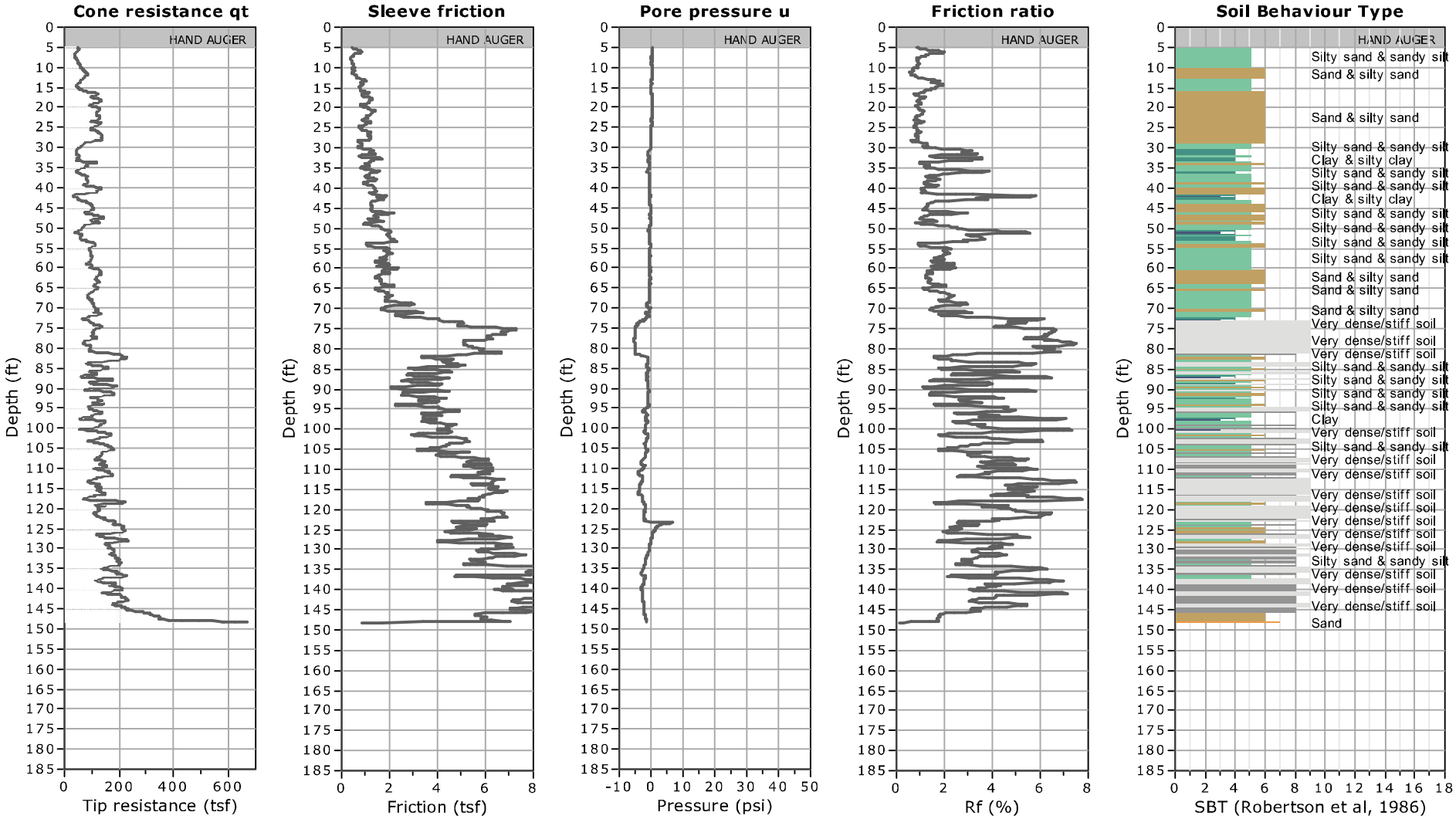
**CPT: CPT-12**

**Project:** **Golder Associates**
**Location:** **8150 W. Sunset Blvd. Los Angeles, CA**

Total depth: 148.33 ft, Date: 11/15/2013
Cone Type: Vertek



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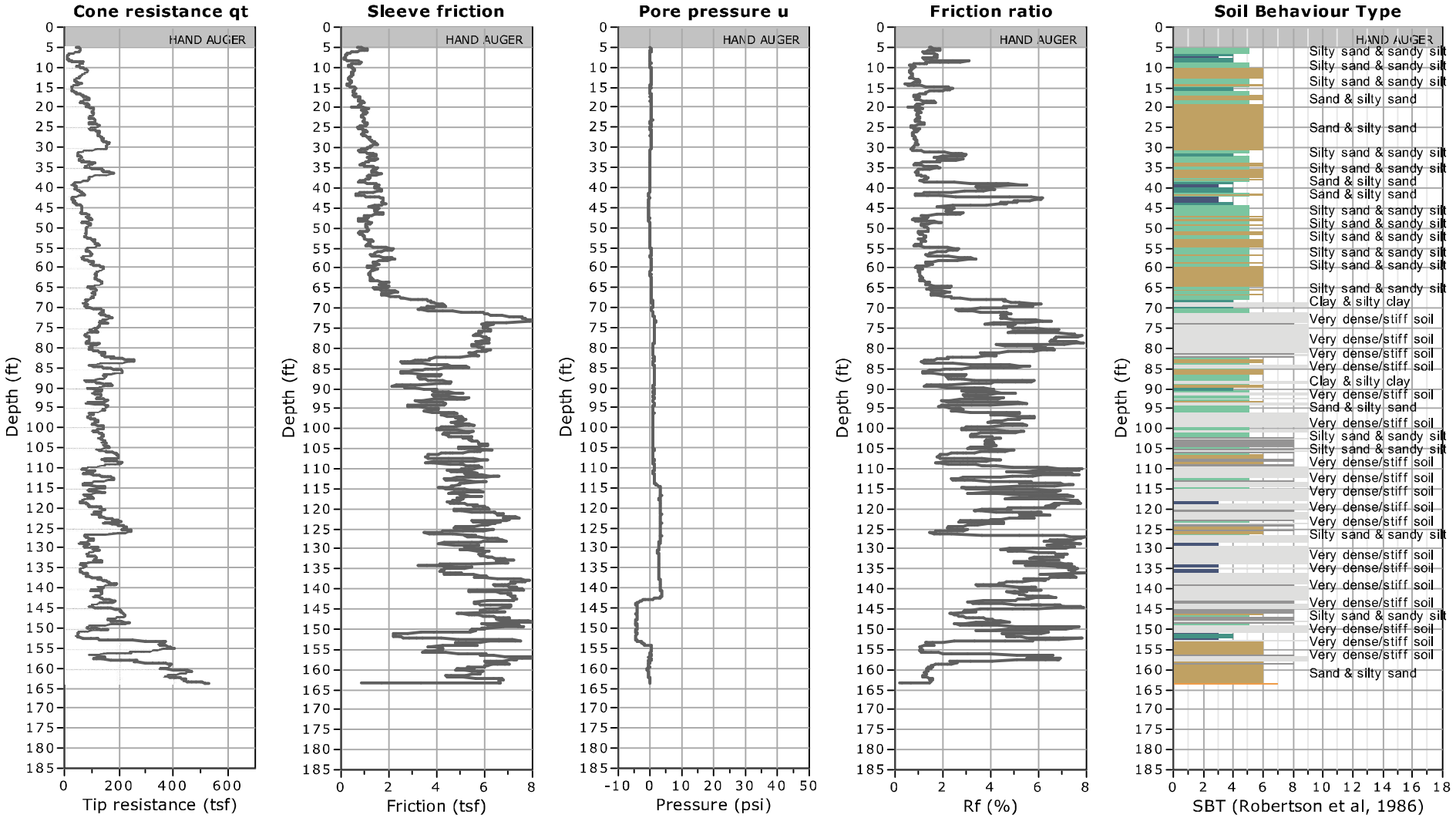
**CPT: CPT-13**

**Project:** **Golder Associates**
**Location:** **8150 W. Sunset Blvd. Los Angeles, CA**

Total depth: 163.69 ft, Date: 11/15/2013
Cone Type: Vertek



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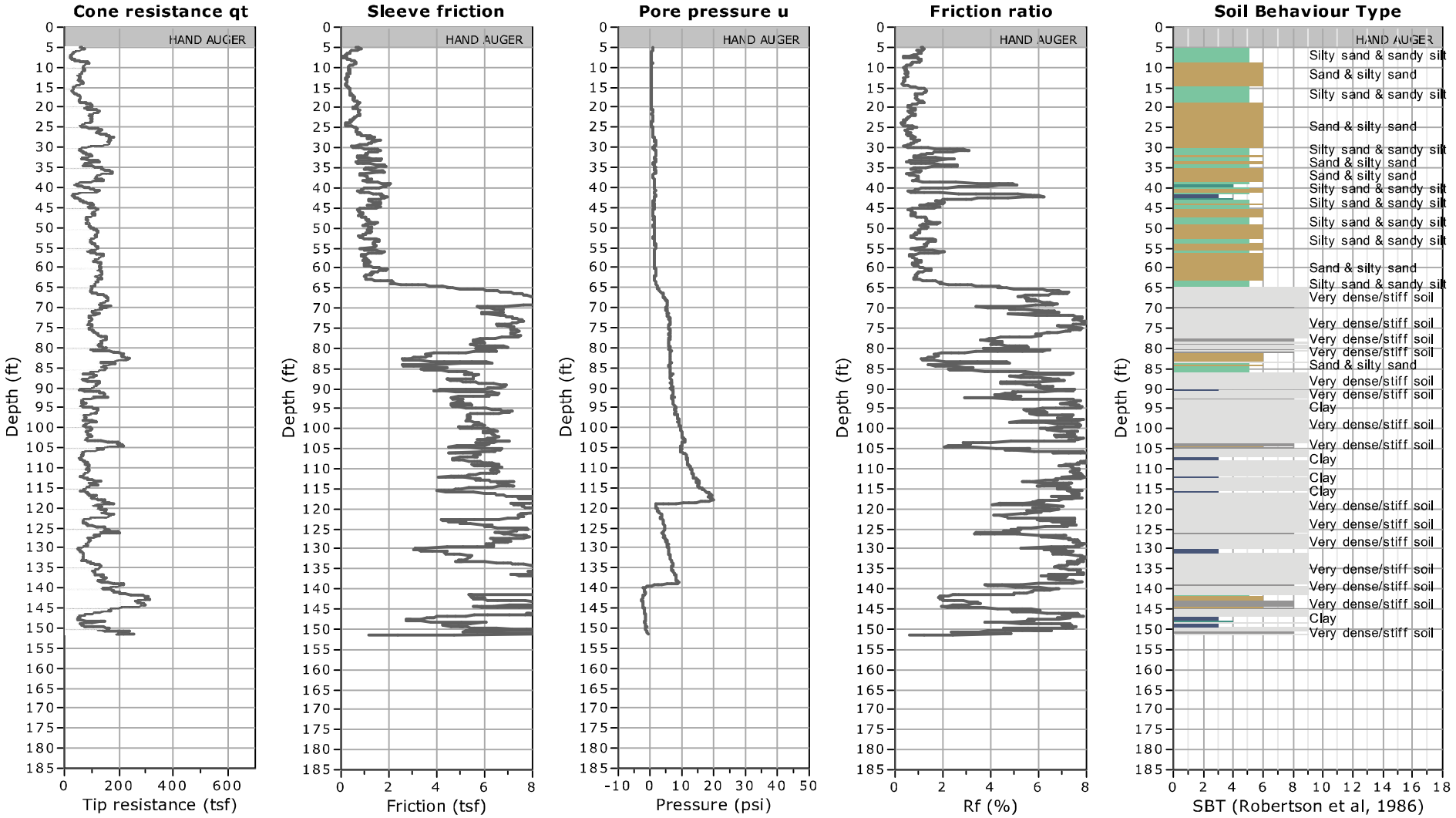
**CPT: CPT-14**

**Project:** **Golder Associates**
**Location:** **8150 W. Sunset Blvd. Los Angeles, CA**

Total depth: 151.63 ft, Date: 11/18/2013
Cone Type: Vertek



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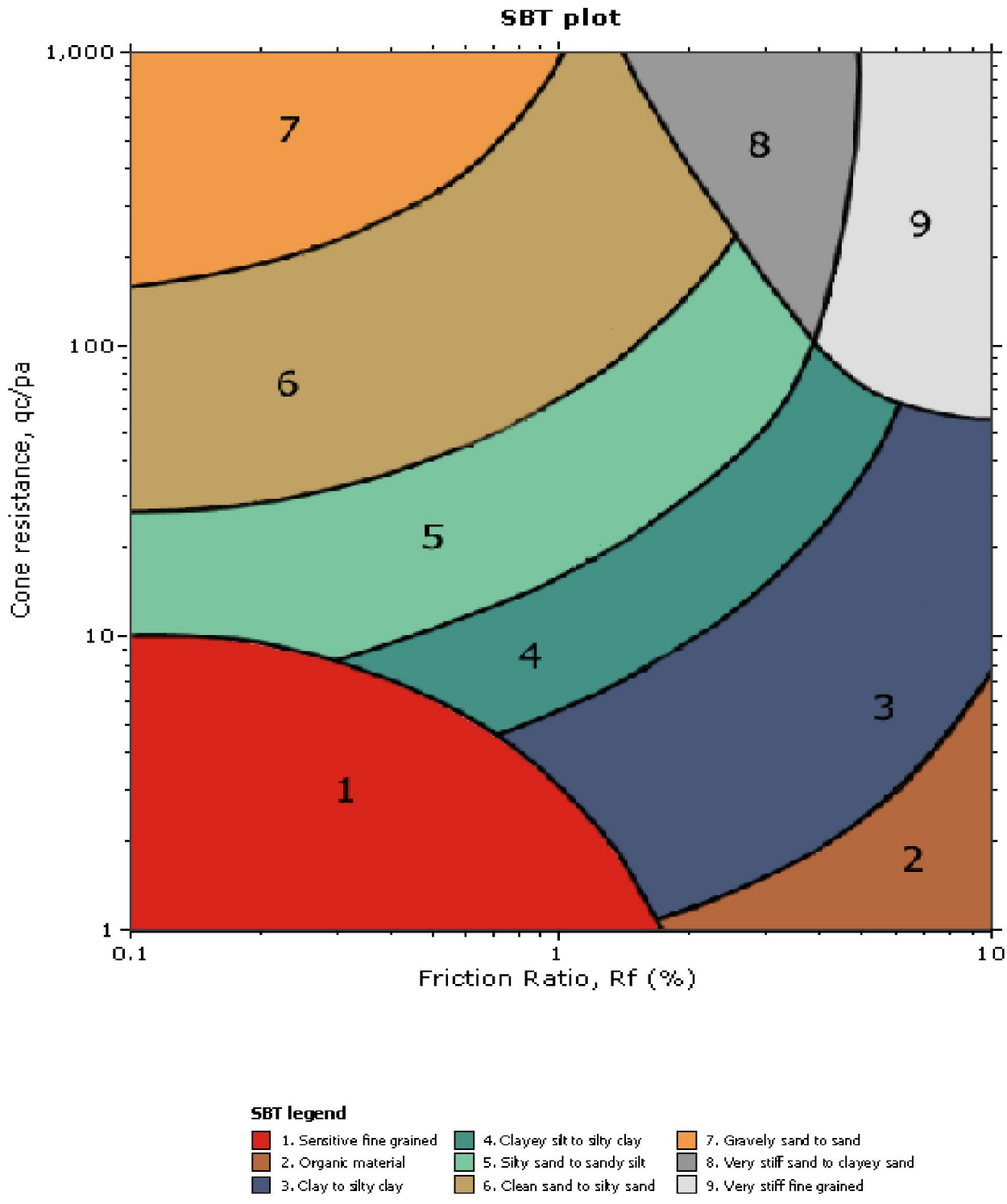


| | CPT-4 | In situ data | | | Basic output data | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth (ft) | qc (tsf) | fs (tsf) | u (psi) | Other | qt (tsf) | Rf(%) | SBT | Ic SBT | ã (pcf) | ó,v (tsf) | u0 (tsf) | ó',vo (tsf) | Qt1 | Fr (%) | Bq | SBTn | n | Cn | Ic | Qtn |
| 1 | 73.6 | 0.21 | -0.09 | 0.29 | 73.5989 | 0.2853 | 6 | 1.76221 | 109.3365 | 0.05467 | 0 | 0.0547 | 1345.3 | 0.2855 | -9E-05 | 6 | 0.4199 | 2 | 1.4891 | 139.0108 |
| 2 | 107.9 | 0.19 | -0.09 | 0.17 | 107.899 | 0.1761 | 6 | 1.53393 | 109.5372 | 0.10944 | 0 | 0.1094 | 984.95 | 0.1763 | -6E-05 | 7 | 0.3318 | 2 | 1.251 | 203.74 |
| 3 | 68.9 | 0.11 | -0.09 | 0.15 | 68.8989 | 0.1597 | 6 | 1.70952 | 104.4441 | 0.16166 | 0 | 0.1617 | 425.2 | 0.16 | -9E-05 | 6 | 0.3991 | 2 | 1.4211 | 129.9248 |
| 4 | 53.8 | 0.12 | -0.1 | 0.22 | 53.7988 | 0.2231 | 6 | 1.85309 | 104.4774 | 0.2139 | 0 | 0.2139 | 250.52 | 0.2239 | -1E-04 | 6 | 0.4589 | 2 | 1.5715 | 101.2843 |
| 5 | 50.6 | 0.13 | -0.18 | 0.25 | 50.5978 | 0.2569 | 6 | 1.89794 | 104.9135 | 0.26635 | 0 | 0.2664 | 188.96 | 0.2583 | -3E-04 | 6 | 0.4846 | 1.9512 | 1.6299 | 92.81476 |
| 6 | 50.4 | 0.14 | -0.55 | 0.28 | 50.3933 | 0.2778 | 6 | 1.91113 | 105.4458 | 0.31908 | 0 | 0.3191 | 156.93 | 0.2796 | -8E-04 | 6 | 0.5017 | 1.8247 | 1.6723 | 86.35262 |
| 7 | 60.5 | 0.57 | -0.56 | 0.94 | 60.4932 | 0.9423 | 5 | 2.08801 | 116.1644 | 0.37716 | 0 | 0.3772 | 159.39 | 0.9482 | -7E-04 | 6 | 0.585 | 1.8284 | 1.8829 | 103.8788 |
| 8 | 39.2 | 0.28 | -0.66 | 0.7 | 39.1919 | 0.7144 | 5 | 2.18368 | 109.9045 | 0.43211 | 0 | 0.4321 | 89.699 | 0.7224 | -0.001 | 6 | 0.6253 | 1.7507 | 1.9822 | 64.12976 |
| 9 | 54.2 | 0.2 | -0.83 | 0.38 | 54.1898 | 0.3691 | 6 | 1.92855 | 108.2328 | 0.48623 | 0 | 0.4862 | 110.45 | 0.3724 | -0.001 | 6 | 0.5457 | 1.5285 | 1.7672 | 77.57957 |
| 10 | 38.8 | 0.12 | -0.94 | 0.3 | 38.7885 | 0.3094 | 6 | 2.03395 | 103.6796 | 0.53807 | 0 | 0.5381 | 71.088 | 0.3137 | -0.002 | 6 | 0.5913 | 1.4916 | 1.8801 | 53.92077 |
| 11 | 61.8 | 0.19 | -0.94 | 0.31 | 61.7885 | 0.3075 | 6 | 1.84482 | 108.1775 | 0.59216 | 0 | 0.5922 | 103.34 | 0.3105 | -0.001 | 6 | 0.5354 | 1.3645 | 1.7265 | 78.91794 |
| 12 | 74 | 0.22 | -1.13 | 0.3 | 73.9862 | 0.2974 | 6 | 1.76706 | 109.6896 | 0.647 | 0 | 0.647 | 113.35 | 0.3 | -0.001 | 6 | 0.5171 | 1.2896 | 1.6711 | 89.38398 |
| 13 | 81.8 | 0.28 | -1.23 | 0.34 | 81.7849 | 0.3424 | 6 | 1.75257 | 111.6987 | 0.70285 | 0 | 0.7029 | 115.36 | 0.3453 | -0.001 | 6 | 0.5211 | 1.2376 | 1.6745 | 94.8367 |
| 14 | 38.7 | 0.19 | -1.32 | 0.5 | 38.6838 | 0.4912 | 5 | 2.11352 | 107.0354 | 0.75637 | 0 | 0.7564 | 50.144 | 0.501 | -0.003 | 6 | 0.6623 | 1.249 | 2.0383 | 44.76989 |
| 15 | 42.6 | 0.14 | -1.42 | 0.33 | 42.5826 | 0.3288 | 6 | 2.00558 | 105.0351 | 0.80889 | 0 | 0.8089 | 51.644 | 0.3351 | -0.002 | 6 | 0.6305 | 1.1845 | 1.9483 | 46.76426 |
| 16 | 59 | 0.17 | -1.5 | 0.29 | 58.9816 | 0.2882 | 6 | 1.85299 | 107.2503 | 0.86251 | 0 | 0.8625 | 67.384 | 0.2925 | -0.002 | 6 | 0.5817 | 1.1262 | 1.8134 | 61.86133 |
| 17 | 71 | 0.2 | -1.51 | 0.28 | 70.9815 | 0.2818 | 6 | 1.77467 | 108.8911 | 0.91696 | 0 | 0.917 | 76.41 | 0.2855 | -0.002 | 6 | 0.5602 | 1.0835 | 1.7499 | 71.74714 |
| 18 | 112.1 | 0.42 | -1.61 | 0.38 | 112.08 | 0.3747 | 6 | 1.64864 | 115.434 | 0.97467 | 0 | 0.9747 | 113.99 | 0.378 | -0.001 | 6 | 0.52 | 1.0436 | 1.6376 | 109.5863 |
| 19 | 118.3 | 0.47 | -1.7 | 0.4 | 118.279 | 0.3974 | 6 | 1.64076 | 116.3883 | 1.03287 | 0 | 1.0329 | 113.52 | 0.4009 | -0.001 | 6 | 0.5241 | 1.0127 | 1.6412 | 112.2186 |
| 20 | 122.7 | 0.45 | -1.7 | 0.37 | 122.679 | 0.3668 | 6 | 1.60982 | 116.1592 | 1.09095 | 0 | 1.091 | 111.45 | 0.3701 | -0.001 | 6 | 0.5192 | 0.9843 | 1.6211 | 113.1019 |
| 21 | 122.4 | 0.51 | -1.8 | 0.41 | 122.378 | 0.4167 | 6 | 1.63846 | 117.069 | 1.14948 | 0 | 1.1495 | 105.46 | 0.4207 | -0.001 | 6 | 0.5371 | 0.9565 | 1.6607 | 109.5857 |
| 22 | 129.9 | 0.56 | -1.8 | 0.43 | 129.878 | 0.4312 | 6 | 1.62406 | 117.8984 | 1.20843 | 0 | 1.2084 | 106.48 | 0.4352 | -0.001 | 6 | 0.5383 | 0.931 | 1.6561 | 113.2122 |
| 23 | 143.7 | 0.62 | -1.89 | 0.43 | 143.677 | 0.4315 | 6 | 1.58713 | 118.8895 | 1.26788 | 0 | 1.2679 | 112.32 | 0.4354 | -1E-03 | 6 | 0.5301 | 0.9086 | 1.6277 | 122.2849 |
| 24 | 147.8 | 1.29 | -1.99 | 0.87 | 147.776 | 0.8729 | 6 | 1.76163 | 124.3191 | 1.33004 | 0 | 1.33 | 110.11 | 0.8809 | -1E-03 | 6 | 0.6035 | 0.8711 | 1.8127 | 120.5591 |
| 25 | 180.1 | 2.58 | -2.08 | 1.43 | 180.075 | 1.4327 | 6 | 1.8518 | 129.8729 | 1.39497 | 0 | 1.395 | 128.09 | 1.4439 | -8E-04 | 6 | 0.6433 | 0.8371 | 1.9091 | 141.3599 |
| 26 | 168.1 | 1.58 | -2.5 | 0.94 | 168.069 | 0.9401 | 6 | 1.74187 | 126.1167 | 1.45803 | 0 | 1.458 | 114.27 | 0.9483 | -0.001 | 6 | 0.6085 | 0.8228 | 1.8099 | 129.5542 |
| 27 | 136.6 | 0.62 | -2.99 | 0.46 | 136.563 | 0.454 | 6 | 1.6176 | 118.7656 | 1.51741 | 0 | 1.5174 | 88.998 | 0.4591 | -0.002 | 6 | 0.5694 | 0.8144 | 1.6999 | 103.9434 |
| 28 | 144.4 | 0.56 | -3 | 0.39 | 144.363 | 0.3879 | 6 | 1.56092 | 118.1563 | 1.57649 | 0 | 1.5765 | 90.573 | 0.3922 | -0.002 | 6 | 0.5533 | 0.802 | 1.6501 | 108.2314 |
| 29 | 131.5 | 0.51 | -3.13 | 0.39 | 131.462 | 0.388 | 6 | 1.59585 | 117.2437 | 1.63511 | 0 | 1.6351 | 79.399 | 0.3928 | -0.002 | 6 | 0.5742 | 0.7789 | 1.6977 | 95.56579 |
| 30 | 124.5 | 0.88 | -3.13 | 0.71 | 124.462 | 0.707 | 6 | 1.76134 | 121.1017 | 1.69566 | 0 | 1.6957 | 72.4 | 0.7168 | -0.002 | 6 | 0.6451 | 0.7377 | 1.8763 | 85.59055 |
| 31 | 149.9 | 0.58 | -3.26 | 0.38 | 149.86 | 0.387 | 6 | 1.54654 | 118.5042 | 1.75492 | 0 | 1.7549 | 84.394 | 0.3916 | -0.002 | 6 | 0.5659 | 0.7511 | 1.6608 | 105.1253 |
| 32 | 132.2 | 0.68 | -3.31 | 0.51 | 132.159 | 0.5145 | 6 | 1.65947 | 119.3616 | 1.8146 | 0 | 1.8146 | 71.831 | 0.5217 | -0.002 | 6 | 0.6176 | 0.7167 | 1.7893 | 88.28412 |
| 33 | 115.6 | 0.51 | -3.29 | 0.44 | 115.56 | 0.4413 | 6 | 1.67262 | 116.9292 | 1.87306 | 0 | 1.8731 | 60.696 | 0.4486 | -0.002 | 6 | 0.6314 | 0.6973 | 1.8181 | 74.91654 |
| 34 | 99.7 | 0.39 | -3.27 | 0.4 | 99.66 | 0.3913 | 6 | 1.70243 | 114.6053 | 1.93036 | 0 | 1.9304 | 50.628 | 0.3991 | -0.002 | 6 | 0.6521 | 0.6757 | 1.8652 | 62.40665 |
| 35 | 90.3 | 0.64 | -3.32 | 0.71 | 90.2594 | 0.7091 | 6 | 1.87484 | 117.9879 | 1.98936 | 0 | 1.9894 | 44.371 | 0.7251 | -0.003 | 6 | 0.7271 | 0.6319 | 2.055 | 52.71275 |
| 36 | 84.6 | 0.59 | -3.32 | 0.7 | 84.5594 | 0.6977 | 6 | 1.89422 | 117.2336 | 2.04797 | 0 | 2.048 | 40.289 | 0.7151 | -0.003 | 5 | 0.7427 | 0.6124 | 2.0885 | 47.75098 |
| 37 | 113.5 | 0.62 | -3.29 | 0.55 | 113.46 | 0.5465 | 6 | 1.72905 | 118.3136 | 2.10713 | 0 | 2.1071 | 52.846 | 0.5568 | -0.002 | 6 | 0.6785 | 0.6266 | 1.9125 | 65.94512 |
| 38 | 85.2 | 0.65 | -3.32 | 0.77 | 85.1594 | 0.7633 | 6 | 1.91388 | 117.9595 | 2.16611 | 0 | 2.1661 | 38.314 | 0.7832 | -0.003 | 5 | 0.7633 | 0.5788 | 2.1278 | 45.39609 |
| 39 | 103.2 | 1.03 | -3.17 | 1 | 103.161 | 0.9984 | 6 | 1.91837 | 121.7955 | 2.22701 | 0 | 2.227 | 45.323 | 1.0205 | -0.002 | 5 | 0.7665 | 0.5653 | 2.1287 | 53.92464 |
| 40 | 89.3 | 0.76 | -3.22 | 0.85 | 89.2606 | 0.8514 | 6 | 1.9252 | 119.2182 | 2.28662 | 0 | 2.2866 | 38.036 | 0.8738 | -0.003 | 5 | 0.7796 | 0.5484 | 2.1557 | 45.07669 |
| 41 | 76.2 | 1.06 | -3.25 | 1.39 | 76.1602 | 1.3918 | 5 | 2.11198 | 121.2655 | 2.34725 | 0 | 2.3473 | 31.447 | 1.4361 | -0.003 | 5 | 0.8629 | 0.5028 | 2.3669 | 35.07771 |
| 42 | 108.7 | 0.64 | -3.32 | 0.59 | 108.659 | 0.589 | 6 | 1.76279 | 118.4404 | 2.40647 | 0 | 2.4065 | 44.153 | 0.6023 | -0.002 | 6 | 0.7243 | 0.5515 | 1.9953 | 55.37854 |
| 43 | 119.1 | 0.97 | -3.22 | 0.81 | 119.061 | 0.8147 | 6 | 1.8144 | 121.706 | 2.46732 | 0 | 2.4673 | 47.255 | 0.832 | -0.002 | 6 | 0.7477 | 0.531 | 2.0492 | 58.5083 |
| 44 | 104.3 | 0.69 | -3.17 | 0.66 | 104.261 | 0.6618 | 6 | 1.80635 | 118.8901 | 2.52677 | 0 | 2.5268 | 40.263 | 0.6782 | -0.002 | 6 | 0.755 | 0.5183 | 2.0608 | 49.83375 |
| 45 | 157.8 | 0.9 | -3.22 | 0.57 | 157.761 | 0.5705 | 6 | 1.62297 | 121.8444 | 2.58769 | 0 | 2.5877 | 59.966 | 0.58 | -0.001 | 6 | 0.6777 | 0.5455 | 1.85 | 79.99973 |
| 46 | 110 | 0.61 | -3.13 | 0.55 | 109.962 | 0.5547 | 6 | 1.74399 | 118.1182 | 2.64675 | 0 | 2.6468 | 40.546 | 0.5684 | -0.002 | 6 | 0.7419 | 0.5065 | 2.0112 | 51.37224 |
| 47 | 81.6 | 1 | -3.26 | 1.23 | 81.5601 | 1.2261 | 5 | 2.05385 | 121.0062 | 2.70725 | 0 | 2.7073 | 29.127 | 1.2682 | -0.003 | 5 | 0.8779 | 0.4384 | 2.3614 | 32.66805 |
| 48 | 110.8 | 0.8 | -3.03 | 0.72 | 110.763 | 0.7223 | 6 | 1.80734 | 120.1199 | 2.76731 | 0 | 2.7673 | 39.025 | 0.7408 | -0.002 | 5 | 0.7784 | 0.4731 | 2.0923 | 48.29095 |
| 49 | 168.1 | 1.02 | -3.03 | 0.61 | 168.063 | 0.6069 | 6 | 1.61764 | 122.9145 | 2.82877 | 0 | 2.8288 | 58.412 | 0.6173 | -0.001 | 6 | 0.697 | 0.5039 | 1.8705 | 78.68479 |
| 50 | 167.3 | 1.09 | -3.03 | 0.65 | 167.263 | 0.6517 | 6 | 1.63859 | 123.3885 | 2.89047 | 0 | 2.8905 | 56.867 | 0.6631 | -0.001 | 6 | 0.7112 | 0.4893 | 1.9 | 76.0176 |
| 51 | 179 | 1.52 | -3.13 | 0.85 | 178.962 | 0.8493 | 6 | 1.69186 | 125.9866 | 2.95346 | 0 | 2.9535 | 59.594 | 0.8636 | -0.001 | 6 | 0.7351 | 0.4702 | 1.9553 | 78.21438 |
| 52 | 168.1 | 1.38 | -3.03 | 0.82 | 168.063 | 0.8211 | 6 | 1.70217 | 125.1263 | 3.01602 | 0 | 3.016 | 54.723 | 0.8361 | -0.001 | 6 | 0.7474 | 0.4571 | 1.9797 | 71.29786 |
| 53 | 164.3 | 0.96 | -3.03 | 0.58 | 164.263 | 0.5844 | 6 | 1.61538 | 122.4151 | 3.07723 | 0 | 3.0772 | 52.38 | 0.5956 | -0.001 | 6 | 0.7211 | 0.4631 | 1.9024 | 70.54951 |
| 54 | 213.9 | 1.28 | -3.03 | 0.6 | 213.863 | 0.5985 | 6 | 1.53296 | 125.1637 | 3.13981 | 0 | 3.1398 | 67.113 | 0.6074 | -0.001 | 6 | 0.6851 | 0.4746 | 1.8001 | 94.5254 |
| 55 | 136.9 | 0.9 | -2.94 | 0.66 | 136.864 | 0.6576 | 6 | 1.70943 | 121.4978 | 3.20056 | 0 | 3.2006 | 41.763 | 0.6733 | -0.002 | 6 | 0.7765 | 0.4234 | 2.0329 | 53.48364 |
| 56 | 125.6 | 1.29 | -3.03 | 1.03 | 125.563 | 1.0274 | 6 | 1.86146 | 123.9218 | 3.26252 | 0 | 3.2625 | 37.486 | 1.0548 | -0.002 | 5 | 0.8444 | 0.3864 | 2.2041 | 44.66448 |
| 57 | 148.1 | 1.02 | -3.07 | 0.69 | 148.062 | 0.6889 | 6 | 1.69496 | 122.6055 | 3.32382 | 0 | 3.3238 | 43.546 | 0.7047 | -0.002 | 6 | 0.7797 | 0.4096 | 2.0259 | 56.03329 |
| 58 | 171.9 | 1.14 | -3.1 | 0.66 | 171.862 | 0.6633 | 6 | 1.63437 | 123.7829 | 3.38572 | 0 | 3.3857 | 49.761 | 0.6767 | -0.001 | 6 | 0.7561 | 0.4151 | 1.9559 | 66.08545 |
| 59 | 172 | 0.97 | -3.06 | 0.57 | 171.963 | 0.5641 | 6 | 1.59023 | 122.6027 | 3.44702 | 0 | 3.447 | 48.887 | 0.5756 | -0.001 | 6 | 0.7451 | 0.4148 | 1.9192 | 66.05744 |
| 60 | 156.6 | 0.53 | -3.13 | 0.34 | 156.562 | 0.3385 | 6 | 1.50049 | 117.9513 | 3.50599 | 0 | 3.506 | 43.655 | 0.3463 | -0.001 | 6 | 0.7212 | 0.4215 | 1.8481 | 60.96822 |
| 61 | 120.7 | 0.99 | -3.13 | 0.82 | 120.662 | 0.8205 | 6 | 1.81178 | 121.8879 | 3.56694 | 0 | 3.5669 | 32.828 | 0.8455 | -0.002 | 5 | 0.8578 | 0.3526 | 2.2012 | 39.0191 |
| 62 | 176.1 | 0.78 | -3.13 | 0.44 | 176.062 | 0.443 | 6 | 1.51999 | 121.065 | 3.62747 | 0 | 3.6275 | 47.536 | 0.4524 | -0.001 | 6 | 0.7347 | 0.4045 | 1.8688 | 65.91263 |
| 63 | 103.4 | 1.43 | -3.27 | 1.38 | 103.36 | 1.3835 | 6 | 2.01077 | 124.2011 | 3.68957 | 0 | 3.6896 | 27.014 | 1.4347 | -0.002 | 5 | 0.955 | 0.3034 | 2.4396 | 28.57763 |
| 64 | 142.6 | 1.02 | -3.22 | 0.72 | 142.561 | 0.7155 | 6 | 1.71808 | 122.5131 | 3.75083 | 0 | 3.7508 | 37.008 | 0.7348 | -0.002 | 5 | 0.8321 | 0.3489 | 2.1104 | 45.7678 |
| 65 | 124.8 | 0.98 | -3.22 | 0.79 | 124.761 | 0.7855 | 6 | 1.78864 | 121.8951 | 3.81177 | 0 | 3.8118 | 31.73 | 0.8103 | -0.002 | 5 | 0.8718 | 0.3272 | 2.2075 | 37.39523 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 66 | 116.2 | 1.1 | -3.22 | 0.95 | 116.161 | 0.947 | 6 | 1.86403 | 122.5661 | 3.87306 | 0 | 3.8731 | 28.992 | 0.9796 | -0.002 | 5 | 0.9104 | 0.3069 | 2.3016 | 32.56726 |
| 67 | 57.6 | 2.11 | -3.28 | 3.67 | 57.5599 | 3.6658 | 4 | 2.48826 | 125.6197 | 3.93587 | 0 | 3.9359 | 13.624 | 3.9348 | -0.004 | 3 | 1 | 0.2688 | 2.9579 | 13.62444 |
| 68 | 26.1 | 1.08 | -1.15 | 4.14 | 26.0859 | 4.1402 | 3 | 2.77367 | 118.789 | 3.99526 | 0 | 3.9953 | 5.5292 | 4.8889 | -0.004 | 3 | 1 | 0.2648 | 3.3292 | 5.52922 |
| 69 | 44.7 | 1.77 | -1.95 | 3.97 | 44.6761 | 3.9619 | 4 | 2.58974 | 123.716 | 4.05712 | 0 | 4.0571 | 10.012 | 4.3576 | -0.003 | 3 | 1 | 0.2608 | 3.0911 | 10.01179 |
| 70 | 106.4 | 1.22 | -3.25 | 1.14 | 106.36 | 1.1471 | 6 | 1.94721 | 123.1087 | 4.11867 | 0 | 4.1187 | 24.824 | 1.1933 | -0.002 | 5 | 0.9725 | 0.2667 | 2.4332 | 25.76838 |
| 71 | 72 | 1.97 | -3.22 | 2.74 | 71.9606 | 2.7376 | 5 | 2.32982 | 125.662 | 4.1815 | 0 | 4.1815 | 16.209 | 2.9065 | -0.003 | 4 | 1 | 0.253 | 2.8182 | 16.20926 |
| 72 | 115.4 | 1.26 | -3.22 | 1.09 | 115.361 | 1.0922 | 6 | 1.90665 | 123.5429 | 4.24328 | 0 | 4.2433 | 26.187 | 1.1339 | -0.002 | 5 | 0.9652 | 0.2617 | 2.3977 | 27.48506 |
| 73 | 139.5 | 1.07 | -3.1 | 0.77 | 139.462 | 0.7672 | 6 | 1.74458 | 122.8097 | 4.30468 | 0 | 4.3047 | 31.398 | 0.7917 | -0.002 | 5 | 0.8976 | 0.2838 | 2.214 | 36.24798 |
| 74 | 120 | 1.79 | -3.03 | 1.49 | 119.963 | 1.4921 | 6 | 1.98653 | 126.2074 | 4.36778 | 0 | 4.3678 | 26.465 | 1.5485 | -0.002 | 5 | 1 | 0.2423 | 2.4858 | 26.4654 |
| 75 | 140.1 | 1.42 | -2.84 | 1.02 | 140.065 | 1.0138 | 6 | 1.82226 | 124.8909 | 4.43023 | 0 | 4.4302 | 30.616 | 1.0469 | -0.002 | 5 | 0.9409 | 0.2599 | 2.3085 | 33.32101 |
| 76 | 159.8 | 1.44 | -2.84 | 0.9 | 159.765 | 0.9013 | 6 | 1.74561 | 125.3142 | 4.49289 | 0 | 4.4929 | 34.56 | 0.9274 | -0.001 | 5 | 0.9081 | 0.269 | 2.2182 | 39.47437 |
| 77 | 186.6 | 1.14 | -2.75 | 0.61 | 186.566 | 0.611 | 6 | 1.58418 | 123.9831 | 4.55488 | 0 | 4.5549 | 39.96 | 0.6263 | -0.001 | 6 | 0.8439 | 0.2917 | 2.0408 | 50.18369 |
| 78 | 163.5 | 1.67 | -2.73 | 1.02 | 163.467 | 1.0216 | 6 | 1.77549 | 126.4543 | 4.61811 | 0 | 4.6181 | 34.397 | 1.0513 | -0.001 | 5 | 0.9299 | 0.2541 | 2.2602 | 38.14239 |
| 79 | 114.4 | 3.33 | -2.94 | 2.91 | 114.364 | 2.9118 | 5 | 2.21341 | 130.6329 | 4.68342 | 0 | 4.6834 | 23.419 | 3.0361 | -0.002 | 4 | 1 | 0.2259 | 2.7036 | 23.4189 |
| 80 | 43.9 | 2.55 | -0.15 | 5.82 | 43.8982 | 5.8089 | 3 | 2.71419 | 126.3447 | 4.74659 | 0 | 4.7466 | 8.2484 | 6.5132 | -3E-04 | 3 | 1 | 0.2229 | 3.2646 | 8.24835 |
| 81 | 61.5 | 3.73 | -1.04 | 6.08 | 61.4873 | 6.0663 | 3 | 2.63083 | 129.9493 | 4.81157 | 0 | 4.8116 | 11.779 | 6.5813 | -0.001 | 3 | 1 | 0.2199 | 3.1479 | 11.77905 |
| 82 | 79 | 3.14 | -2.17 | 3.97 | 78.9734 | 3.976 | 4 | 2.42094 | 129.2999 | 4.87622 | 0 | 4.8762 | 15.196 | 4.2377 | -0.002 | 3 | 1 | 0.217 | 2.9408 | 15.19563 |
| 83 | 48.8 | 3.08 | -1.28 | 6.3 | 48.7843 | 6.3135 | 3 | 2.70999 | 127.9838 | 4.94021 | 0 | 4.9402 | 8.875 | 7.0249 | -0.002 | 3 | 1 | 0.2142 | 3.2605 | 8.87495 |
| 84 | 49.3 | 2.81 | 2.13 | 5.69 | 49.3261 | 5.6968 | 3 | 2.67364 | 127.3395 | 5.00388 | 0 | 5.0039 | 8.8576 | 6.3399 | 0.0035 | 3 | 1 | 0.2115 | 3.2331 | 8.85756 |
| 85 | 60.6 | 3.73 | 2.37 | 6.16 | 60.629 | 6.1522 | 3 | 2.63944 | 129.915 | 5.06884 | 0 | 5.0688 | 10.961 | 6.7134 | 0.0031 | 3 | 1 | 0.2088 | 3.1774 | 10.96113 |
| 86 | 85 | 4.91 | 1.26 | 5.77 | 85.0154 | 5.7754 | 9 | 2.52507 | 132.7508 | 5.13521 | 0 | 5.1352 | 15.555 | 6.1467 | 0.0011 | 3 | 1 | 0.2061 | 3.0372 | 15.55538 |
| 87 | 101.1 | 4.9 | -0.1 | 4.85 | 101.099 | 4.8468 | 9 | 2.41872 | 133.1584 | 5.20179 | 0 | 5.2018 | 18.435 | 5.1097 | -8E-05 | 3 | 1 | 0.2034 | 2.9288 | 18.43537 |
| 88 | 142.7 | 4.54 | -4.8 | 3.19 | 142.641 | 3.1828 | 5 | 2.18276 | 133.4397 | 5.26851 | 0 | 5.2685 | 26.074 | 3.3049 | -0.003 | 4 | 1 | 0.2008 | 2.6912 | 26.07429 |
| 89 | 170.6 | 5.24 | -5.59 | 3.07 | 170.532 | 3.0727 | 8 | 2.1237 | 134.9245 | 5.33597 | 0 | 5.336 | 30.959 | 3.172 | -0.002 | 4 | 1 | 0.1983 | 2.623 | 30.95885 |
| 90 | 212.8 | 2.75 | -2.64 | 1.29 | 212.768 | 1.2925 | 6 | 1.77023 | 130.7468 | 5.40135 | 0 | 5.4014 | 38.392 | 1.3262 | -9E-04 | 5 | 0.9844 | 0.2009 | 2.3059 | 39.3807 |
| 91 | 226.4 | 1.67 | -2.37 | 0.74 | 226.371 | 0.7377 | 6 | 1.57558 | 127.2484 | 5.46497 | 0 | 5.465 | 40.422 | 0.756 | -8E-04 | 5 | 0.9129 | 0.2234 | 2.1098 | 46.63354 |
| 92 | 184.7 | 2.63 | -3.19 | 1.43 | 184.661 | 1.4242 | 6 | 1.84258 | 130.0747 | 5.53001 | 0 | 5.53 | 32.393 | 1.4682 | -0.001 | 5 | 1 | 0.1913 | 2.4006 | 32.39252 |
| 93 | 107.4 | 3.62 | -3.77 | 3.37 | 107.354 | 3.372 | 5 | 2.27982 | 131.0896 | 5.59555 | 0 | 5.5956 | 18.186 | 3.5575 | -0.003 | 3 | 1 | 0.1891 | 2.8324 | 18.18556 |
| 94 | 167.6 | 3.48 | -3.43 | 2.08 | 167.558 | 2.0769 | 5 | 1.99436 | 131.8868 | 5.6615 | 0 | 5.6615 | 28.596 | 2.1495 | -0.002 | 4 | 1 | 0.1869 | 2.5426 | 28.59606 |
| 95 | 241.5 | 1.79 | -2.37 | 0.74 | 241.471 | 0.7413 | 6 | 1.55688 | 127.9136 | 5.72545 | 0 | 5.7255 | 41.175 | 0.7593 | -7E-04 | 5 | 0.9253 | 0.2096 | 2.1102 | 46.70685 |
| 96 | 241.7 | 1.47 | -2.37 | 0.61 | 241.671 | 0.6083 | 6 | 1.49773 | 126.4745 | 5.78869 | 0 | 5.7887 | 40.749 | 0.6232 | -7E-04 | 6 | 0.9095 | 0.2132 | 2.0603 | 47.52162 |
| 97 | 287.5 | 1.81 | -2.46 | 0.63 | 287.47 | 0.6296 | 6 | 1.45317 | 128.4202 | 5.8529 | 0 | 5.8529 | 48.116 | 0.6427 | -6E-04 | 6 | 0.8857 | 0.2198 | 1.989 | 58.50952 |
| 98 | 275 | 1.59 | -2.46 | 0.58 | 274.97 | 0.5783 | 6 | 1.44156 | 127.3635 | 5.91658 | 0 | 5.9166 | 45.474 | 0.591 | -7E-04 | 6 | 0.8908 | 0.2158 | 1.9945 | 54.88181 |
| 99 | 277.5 | 1.65 | -2.56 | 0.59 | 277.469 | 0.5947 | 6 | 1.44701 | 127.6566 | 5.98041 | 0 | 5.9804 | 45.396 | 0.6078 | -7E-04 | 6 | 0.8979 | 0.2112 | 2.0054 | 54.18105 |
| 100 | 276.3 | 1.59 | -2.65 | 0.57 | 276.268 | 0.5755 | 6 | 1.43867 | 127.375 | 6.0441 | 0 | 6.0441 | 44.709 | 0.5884 | -7E-04 | 6 | 0.901 | 0.208 | 2.0059 | 53.1234 |
| 101 | 212.8 | 1.26 | -2.75 | 0.59 | 212.766 | 0.5922 | 6 | 1.53167 | 125.0359 | 6.10662 | 0 | 6.1066 | 33.842 | 0.6097 | -1E-03 | 5 | 0.9638 | 0.1846 | 2.161 | 36.05948 |
| 102 | 157.6 | 2.62 | -2.97 | 1.66 | 157.564 | 1.6628 | 6 | 1.93867 | 129.6598 | 6.17145 | 0 | 6.1715 | 24.531 | 1.7306 | -0.001 | 4 | 1 | 0.1715 | 2.5405 | 24.53107 |
| 103 | 197.5 | 1.21 | -3.03 | 0.61 | 197.463 | 0.6128 | 6 | 1.566 | 124.5576 | 6.23373 | 0 | 6.2337 | 30.677 | 0.6328 | -0.001 | 5 | 0.9945 | 0.1714 | 2.2269 | 30.97935 |
| 104 | 278.3 | 2.92 | -3.13 | 1.05 | 278.262 | 1.0494 | 6 | 1.6256 | 131.8402 | 6.29965 | 0 | 6.2997 | 43.171 | 1.0737 | -8E-04 | 5 | 0.9938 | 0.1699 | 2.2166 | 43.65543 |
| 105 | 203.2 | 2.68 | -3.22 | 1.32 | 203.161 | 1.3192 | 6 | 1.79015 | 130.4454 | 6.36487 | 0 | 6.3649 | 30.919 | 1.3618 | -0.001 | 5 | 1 | 0.1662 | 2.3986 | 30.91905 |
| 106 | 78.3 | 2.96 | -1.87 | 3.78 | 78.2771 | 3.7814 | 4 | 2.40716 | 128.8463 | 6.42929 | 0 | 6.4293 | 11.175 | 4.1198 | -0.002 | 3 | 1 | 0.1646 | 3.0384 | 11.17508 |
| 107 | 99.3 | 3.9 | -7.44 | 3.93 | 99.2089 | 3.9311 | 4 | 2.35296 | 131.4422 | 6.49501 | 0 | 6.495 | 14.275 | 4.2065 | -0.006 | 3 | 1 | 0.1629 | 2.96 | 14.27463 |
| 108 | 56.9 | 3.04 | -8.05 | 5.34 | 56.8015 | 5.352 | 4 | 2.61245 | 128.2593 | 6.55914 | 0 | 6.5591 | 7.6599 | 6.0507 | -0.012 | 3 | 1 | 0.1613 | 3.2701 | 7.65989 |
| 109 | 82.6 | 2.8 | -3.7 | 3.4 | 82.5547 | 3.3917 | 5 | 2.35656 | 128.5695 | 6.62343 | 0 | 6.6234 | 11.464 | 3.6875 | -0.004 | 3 | 1 | 0.1598 | 3.0006 | 11.46405 |
| 110 | 84.3 | 3.31 | -7.55 | 3.94 | 84.2076 | 3.9308 | 4 | 2.39888 | 129.8422 | 6.68835 | 0 | 6.6884 | 11.59 | 4.2699 | -0.007 | 3 | 1 | 0.1582 | 3.0352 | 11.59019 |
| 111 | 85.5 | 3.78 | -7.85 | 4.43 | 85.4039 | 4.426 | 4 | 2.43416 | 130.8481 | 6.75377 | 0 | 6.7538 | 11.645 | 4.8061 | -0.007 | 3 | 1 | 0.1567 | 3.0652 | 11.64536 |
| 112 | 88.5 | 3.6 | -3.1 | 4.07 | 88.4621 | 4.0695 | 4 | 2.39642 | 130.5769 | 6.81906 | 0 | 6.8191 | 11.973 | 4.4094 | -0.003 | 3 | 1 | 0.1552 | 3.0326 | 11.97276 |
| 113 | 38.9 | 2.23 | -1.61 | 5.74 | 38.8803 | 5.7356 | 3 | 2.74646 | 125.0675 | 6.88159 | 0 | 6.8816 | 4.6499 | 6.969 | -0.004 | 3 | 1 | 0.1538 | 3.4801 | 4.6499 |
| 114 | 37.1 | 1.9 | -1.37 | 5.13 | 37.0832 | 5.1236 | 3 | 2.72585 | 123.7803 | 6.94348 | 0 | 6.9435 | 4.3407 | 6.304 | -0.003 | 3 | 1 | 0.1524 | 3.4787 | 4.34072 |
| 115 | 43 | 2.71 | -0.63 | 6.31 | 42.9923 | 6.3035 | 3 | 2.74637 | 126.7391 | 7.00685 | 0 | 7.0069 | 5.1358 | 7.5308 | -0.001 | 3 | 1 | 0.151 | 3.4657 | 5.13575 |
| 116 | 55.4 | 2.43 | -0.84 | 4.38 | 55.3897 | 4.3871 | 4 | 2.55618 | 126.5592 | 7.07013 | 0 | 7.0701 | 6.8343 | 5.029 | -0.001 | 3 | 1 | 0.1497 | 3.2614 | 6.83432 |
| 117 | 49.5 | 2.14 | -1 | 4.32 | 49.4878 | 4.3243 | 4 | 2.58545 | 125.3545 | 7.13281 | 0 | 7.1328 | 5.938 | 5.0525 | -0.002 | 3 | 1 | 0.1483 | 3.3121 | 5.93804 |
| 118 | 47.3 | 3.23 | -0.66 | 6.84 | 47.2919 | 6.8299 | 3 | 2.74447 | 128.256 | 7.19694 | 0 | 7.1969 | 5.5711 | 8.0559 | -0.001 | 3 | 1 | 0.147 | 3.4556 | 5.57112 |
| 119 | 53.1 | 3.62 | 3.97 | 6.81 | 53.1486 | 6.8111 | 3 | 2.7102 | 129.3748 | 7.26163 | 0 | 7.2616 | 6.3191 | 7.889 | 0.0062 | 3 | 1 | 0.1457 | 3.4069 | 6.3191 |
| 120 | 77.9 | 3.97 | 2.93 | 5.1 | 77.9359 | 5.0939 | 9 | 2.50649 | 130.9838 | 7.32712 | 0 | 7.3271 | 9.6366 | 5.6225 | 0.003 | 3 | 1 | 0.1444 | 3.1719 | 9.63663 |
| 121 | 41.7 | 2.12 | 3.81 | 5.07 | 41.7466 | 5.0783 | 4 | 2.68699 | 124.8709 | 7.38955 | 0 | 7.3896 | 4.6494 | 6.1705 | 0.008 | 3 | 1 | 0.1432 | 3.4491 | 4.64941 |
| 122 | 133.8 | 4.2 | 2.77 | 3.14 | 133.834 | 3.1382 | 5 | 2.19507 | 132.7147 | 7.45591 | 0 | 7.4559 | 16.95 | 3.3234 | 0.0016 | 3 | 1 | 0.1419 | 2.838 | 16.95004 |
| 123 | 282 | 2.82 | 1.72 | 1 | 282.021 | 0.9999 | 6 | 1.60586 | 131.6179 | 7.52172 | 0 | 7.5217 | 36.494 | 1.0273 | 0.0005 | 5 | 1 | 0.1407 | 2.2708 | 36.49422 |
| 124 | 231.6 | 1.94 | 1.15 | 0.84 | 231.614 | 0.8376 | 6 | 1.60714 | 128.4008 | 7.58592 | 0 | 7.5859 | 29.532 | 0.866 | 0.0004 | 5 | 1 | 0.1395 | 2.3106 | 29.5321 |
| 125 | 226.9 | 3.89 | 0.69 | 1.72 | 226.908 | 1.7144 | 6 | 1.84689 | 133.4413 | 7.65264 | 0 | 7.6526 | 28.651 | 1.7742 | 0.0002 | 5 | 1 | 0.1383 | 2.4919 | 28.651 |
| 126 | 242 | 2.45 | -2.17 | 1.01 | 241.973 | 1.0125 | 6 | 1.6539 | 130.2153 | 7.71775 | 0 | 7.7178 | 30.353 | 1.0459 | -7E-04 | 5 | 1 | 0.1371 | 2.3426 | 30.35285 |
| 127 | 162.1 | 5.66 | -3.32 | 3.49 | 162.059 | 3.4926 | 8 | 2.18163 | 135.3643 | 7.78543 | 0 | 7.7854 | 19.816 | 3.6688 | -0.002 | 3 | 1 | 0.1359 | 2.8118 | 19.81572 |
| 128 | 285.4 | 1.96 | -2.19 | 0.69 | 285.373 | 0.6868 | 6 | 1.48212 | 128.9849 | 7.84992 | 0 | 7.8499 | 35.354 | 0.7063 | -6E-04 | 5 | 1 | 0.1348 | 2.1989 | 35.35363 |
| 129 | 343 | 2.43 | -2.27 | 0.71 | 342.972 | 0.7085 | 6 | 1.4373 | 131.0061 | 7.91543 | 0 | 7.9154 | 42.33 | 0.7253 | -5E-04 | 5 | 1 | 0.1337 | 2.1367 | 42.32959 |
| 130 | 130.4 | 3.07 | -2.53 | 2.35 | 130.369 | 2.3549 | 5 | 2.10641 | 130.3575 | 7.98061 | 0 | 7.9806 | 15.336 | 2.5084 | -0.001 | 4 | 1 | 0.1326 | 2.8001 | 15.33573 |
| 131 | 98.7 | 3.43 | -2.46 | 3.48 | 98.6699 | 3.4762 | 5 | 2.31356 | 130.4893 | 8.04585 | 0 | 8.0459 | 11.263 | 3.7849 | -0.002 | 3 | 1 | 0.1315 | 3.0135 | 11.26345 |
| 132 | 63.7 | 3.2 | -4.42 | 5.03 | 63.6459 | 5.0278 | 4 | 2.55937 | 128.9121 | 8.11031 | 0 | 8.1103 | 6.8475 | 5.7621 | -0.006 | 3 | 1 | 0.1305 | 3.2959 | 6.84753 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 133 | 65.1 | 3.6 | -3.64 | 5.54 | 65.0555 | 5.5337 | 4 | 2.58458 | 129.8273 | 8.17522 | 0 | 8.1752 | 6.9576 | 6.3291 | -0.005 | 3 | 1 | 0.1294 | 3.3151 | 6.95764 |
| 134 | 119.2 | 5.29 | -3.03 | 4.44 | 119.163 | 4.4393 | 9 | 2.34493 | 134.1197 | 8.24228 | 0 | 8.2423 | 13.458 | 4.7692 | -0.002 | 3 | 1 | 0.1284 | 3.0141 | 13.45752 |
| 135 | 154.6 | 3.54 | -2.99 | 2.29 | 154.563 | 2.2903 | 5 | 2.04944 | 131.815 | 8.30819 | 0 | 8.3082 | 17.604 | 2.4204 | -0.001 | 4 | 1 | 0.1274 | 2.7423 | 17.60375 |
| 136 | 45.8 | 1.3 | -1.51 | 2.84 | 45.7815 | 2.8396 | 4 | 2.48249 | 121.5175 | 8.36895 | 0 | 8.369 | 4.4704 | 3.4748 | -0.003 | 3 | 1 | 0.1264 | 3.3244 | 4.4704 |
| 137 | 44.4 | 1.22 | -0.87 | 2.75 | 44.3894 | 2.7484 | 4 | 2.48292 | 120.9775 | 8.42943 | 0 | 8.4294 | 4.266 | 3.3927 | -0.002 | 3 | 1 | 0.1255 | 3.3362 | 4.26599 |
| 138 | 52.1 | 2.16 | -0.18 | 4.14 | 52.0978 | 4.1461 | 4 | 2.55679 | 125.5479 | 8.49221 | 0 | 8.4922 | 5.1348 | 4.9535 | -3E-04 | 3 | 1 | 0.1246 | 3.3588 | 5.13478 |
| 139 | 73.3 | 4.46 | -0.04 | 6.09 | 73.2995 | 6.0846 | 9 | 2.58302 | 131.6858 | 8.55805 | 0 | 8.5581 | 7.565 | 6.8889 | -4E-05 | 3 | 1 | 0.1236 | 3.3091 | 7.56498 |
| 140 | 82.2 | 4.35 | 0.29 | 5.29 | 82.2036 | 5.2917 | 9 | 2.50456 | 131.7827 | 8.62394 | 0 | 8.6239 | 8.532 | 5.912 | 0.0003 | 3 | 1 | 0.1227 | 3.227 | 8.53201 |
| 141 | 79.6 | 5.6 | 2.07 | 7.04 | 79.6253 | 7.0329 | 9 | 2.61002 | 133.5531 | 8.69072 | 0 | 8.6907 | 8.1621 | 7.8946 | 0.0021 | 3 | 1 | 0.1218 | 3.3208 | 8.16211 |
| 142 | 69.9 | 4.62 | 2.54 | 6.6 | 69.9311 | 6.6065 | 9 | 2.62365 | 131.8289 | 8.75663 | 0 | 8.7566 | 6.9861 | 7.5522 | 0.003 | 3 | 1 | 0.1208 | 3.361 | 6.98607 |
| 143 | 175.9 | 4.44 | 2.15 | 2.53 | 175.926 | 2.5238 | 5 | 2.04733 | 133.7882 | 8.82353 | 0 | 8.8235 | 18.938 | 2.6571 | 0.0009 | 4 | 1 | 0.1199 | 2.7408 | 18.93832 |
| 144 | 411.9 | 4.5 | 0.17 | 1.09 | 411.902 | 1.0925 | 6 | 1.53543 | 135.9614 | 8.89151 | 0 | 8.8915 | 45.325 | 1.1166 | 3E-05 | 5 | 1 | 0.119 | 2.2129 | 45.32533 |
| 145 | 340.3 | 3.78 | -1.45 | 1.11 | 340.282 | 1.1108 | 6 | 1.59017 | 134.2198 | 8.95862 | 0 | 8.9586 | 36.984 | 1.1409 | -3E-04 | 5 | 1 | 0.1181 | 2.2911 | 36.98379 |
| 146 | 351.2 | 2.16 | -1.55 | 0.62 | 351.181 | 0.6151 | 6 | 1.38511 | 130.2019 | 9.02372 | 0 | 9.0237 | 37.918 | 0.6313 | -3E-04 | 5 | 1 | 0.1173 | 2.1488 | 37.91755 |
| 147 | 415.8 | 3.51 | -1.45 | 0.84 | 415.782 | 0.8442 | 6 | 1.44261 | 134.1662 | 9.0908 | 0 | 9.0908 | 44.737 | 0.8631 | -3E-04 | 5 | 1 | 0.1164 | 2.1556 | 44.73658 |
| 148 | 336.2 | 3.65 | -2.63 | 1.09 | 336.168 | 1.0858 | 6 | 1.58551 | 133.934 | 9.15777 | 0 | 9.1578 | 35.708 | 1.1162 | -6E-04 | 5 | 1 | 0.1155 | 2.2985 | 35.70848 |
| 149 | 140.1 | 5.06 | -1.74 | 3.61 | 140.079 | 3.6123 | 8 | 2.23115 | 134.1889 | 9.22486 | 0 | 9.2249 | 14.185 | 3.8669 | -1E-03 | 3 | 1 | 0.1147 | 2.9395 | 14.18491 |
| 150 | 97.5 | 4.88 | -4.59 | 5.01 | 97.4438 | 5.008 | 9 | 2.43977 | 133.0387 | 9.29138 | 0 | 9.2914 | 9.4876 | 5.5359 | -0.004 | 3 | 1 | 0.1139 | 3.1731 | 9.48755 |
| 151 | 129 | 5.69 | -4.72 | 4.41 | 128.942 | 4.4128 | 9 | 2.32228 | 134.8455 | 9.35881 | 0 | 9.3588 | 12.778 | 4.7582 | -0.003 | 3 | 1 | 0.1131 | 3.031 | 12.77764 |
| 152 | 145.8 | 6.09 | -6.69 | 4.18 | 145.718 | 4.1793 | 9 | 2.27184 | 135.6409 | 9.42663 | 0 | 9.4266 | 14.458 | 4.4684 | -0.004 | 3 | 1 | 0.1123 | 2.972 | 14.45814 |
| 153 | 137.5 | 5.74 | -3.26 | 4.17 | 137.46 | 4.1758 | 9 | 2.28648 | 135.0655 | 9.49416 | 0 | 9.4942 | 13.478 | 4.4856 | -0.002 | 3 | 1 | 0.1115 | 2.9968 | 13.47839 |
| 154 | 224.6 | 7.31 | -3.32 | 3.26 | 224.559 | 3.2553 | 8 | 2.07575 | 137.28 | 9.5628 | 0 | 9.5628 | 22.483 | 3.4001 | -0.001 | 4 | 1 | 0.1107 | 2.7485 | 22.4826 |
| 155 | 240.9 | 6.65 | -3.43 | 2.76 | 240.858 | 2.761 | 8 | 1.99934 | 137.28 | 9.63144 | 0 | 9.6314 | 24.007 | 2.876 | -0.001 | 4 | 1 | 0.1099 | 2.6805 | 24.00748 |
| 156 | 357.1 | 3.37 | -2.89 | 0.94 | 357.065 | 0.9438 | 6 | 1.52141 | 133.4971 | 9.69819 | 0 | 9.6982 | 35.818 | 0.9702 | -6E-04 | 5 | 1 | 0.1091 | 2.2643 | 35.81767 |
| 157 | 291.8 | 3.41 | -2.88 | 1.17 | 291.765 | 1.1688 | 6 | 1.64866 | 133.0908 | 9.76473 | 0 | 9.7647 | 28.879 | 1.2092 | -7E-04 | 5 | 1 | 0.1084 | 2.3946 | 28.87944 |
| 158 | 104.5 | 4.18 | -1.88 | 4.01 | 104.477 | 4.0009 | 9 | 2.34465 | 132.0758 | 9.83077 | 0 | 9.8308 | 9.6276 | 4.4165 | -0.001 | 3 | 1 | 0.1076 | 3.1082 | 9.62755 |
| 159 | 165.3 | 6.34 | -5.81 | 3.84 | 165.229 | 3.8371 | 8 | 2.20992 | 136.2417 | 9.89889 | 0 | 9.8989 | 15.692 | 4.0816 | -0.003 | 3 | 1 | 0.1069 | 2.9197 | 15.69165 |
| 160 | 92 | 5.15 | -6.71 | 5.61 | 91.9179 | 5.6028 | 9 | 2.49379 | 133.2903 | 9.96554 | 0 | 9.9655 | 8.2236 | 6.2841 | -0.006 | 3 | 1 | 0.1062 | 3.2559 | 8.22357 |
| 161 | 83.3 | 4.35 | -5.55 | 5.23 | 83.2321 | 5.2264 | 9 | 2.49697 | 131.813 | 10.03144 | 0 | 10.031 | 7.2971 | 5.9426 | -0.005 | 3 | 1 | 0.1055 | 3.282 | 7.29712 |
| 162 | 136.2 | 4.38 | -5.83 | 3.22 | 136.129 | 3.2175 | 5 | 2.19898 | 133.0632 | 10.09798 | 0 | 10.098 | 12.481 | 3.4753 | -0.003 | 3 | 1 | 0.1048 | 2.9557 | 12.48079 |
| 163 | 238.5 | 4.11 | -3.28 | 1.73 | 238.46 | 1.7236 | 6 | 1.83552 | 133.9649 | 10.16496 | 0 | 10.165 | 22.459 | 1.8003 | -0.001 | 4 | 1 | 0.1041 | 2.5817 | 22.45901 |
| 164 | 279.7 | 4.27 | 1.04 | 1.53 | 279.713 | 1.5266 | 6 | 1.75167 | 134.6335 | 10.23227 | 0 | 10.232 | 26.336 | 1.5845 | 0.0003 | 5 | 1 | 0.1034 | 2.4933 | 26.33632 |
| 165 | 440.8 | 4.11 | 0.74 | 0.93 | 440.809 | 0.9324 | 6 | 1.46223 | 135.4635 | 10.30001 | 0 | 10.3 | 41.797 | 0.9547 | 0.0001 | 5 | 1 | 0.1027 | 2.2041 | 41.79697 |
| 166 | 423.4 | 3.43 | 0.56 | 0.81 | 423.407 | 0.8101 | 6 | 1.42359 | 134.0419 | 10.36703 | 0 | 10.367 | 39.842 | 0.8304 | 0.0001 | 5 | 1 | 0.1021 | 2.1894 | 39.84169 |
| 167 | 282.5 | 4.09 | -0.31 | 1.45 | 282.496 | 1.4478 | 6 | 1.73069 | 134.3426 | 10.4342 | 0 | 10.434 | 26.074 | 1.5033 | -8E-05 | 5 | 1 | 0.1014 | 2.4839 | 26.07407 |
| 168 | 377.9 | 3.41 | -0.85 | 0.9 | 377.89 | 0.9024 | 6 | 1.49088 | 133.7217 | 10.50106 | 0 | 10.501 | 34.986 | 0.9282 | -2E-04 | 5 | 1 | 0.1008 | 2.2628 | 34.98586 |
| 169 | 312.6 | 6.01 | -0.87 | 1.92 | 312.589 | 1.9227 | 6 | 1.80578 | 137.28 | 10.5697 | 0 | 10.57 | 28.574 | 1.9899 | -2E-04 | 4 | 1 | 0.1001 | 2.5225 | 28.5741 |
| 170 | 372.1 | 2.53 | -1.27 | 0.68 | 372.084 | 0.68 | 6 | 1.40046 | 131.4999 | 10.63545 | 0 | 10.635 | 33.985 | 0.7 | -3E-04 | 5 | 1 | 0.0995 | 2.212 | 33.98531 |
| 171 | 316.3 | 4.67 | -1.88 | 1.48 | 316.277 | 1.4766 | 6 | 1.7085 | 135.5884 | 10.70324 | 0 | 10.703 | 28.55 | 1.5283 | -4E-04 | 5 | 1 | 0.0989 | 2.4555 | 28.54964 |
| 172 | 247.4 | 2.8 | -2.12 | 1.13 | 247.374 | 1.1319 | 6 | 1.68379 | 131.2462 | 10.76887 | 0 | 10.769 | 21.971 | 1.1834 | -7E-04 | 5 | 1 | 0.0983 | 2.4902 | 21.97123 |
| 173 | 191 | 4.07 | -3 | 2.13 | 190.963 | 2.1313 | 6 | 1.96751 | 133.3516 | 10.83554 | 0 | 10.836 | 16.624 | 2.2595 | -0.001 | 4 | 1 | 0.0977 | 2.7453 | 16.62379 |
| 174 | 128.2 | 4.32 | -2.56 | 3.37 | 128.169 | 3.3706 | 5 | 2.23104 | 132.8153 | 10.90195 | 0 | 10.902 | 10.756 | 3.6839 | -0.002 | 3 | 1 | 0.0971 | 3.0226 | 10.75649 |
| 175 | 54.2 | 2.01 | -1.8 | 3.72 | 54.178 | 3.71 | 4 | 2.51037 | 125.1168 | 10.96451 | 0 | 10.965 | 3.9412 | 4.6513 | -0.003 | 3 | 1 | 0.0965 | 3.4387 | 3.94121 |
| 176 | 61.5 | 2.15 | -1.5 | 3.5 | 61.4816 | 3.497 | 4 | 2.45363 | 125.9179 | 11.02747 | 0 | 11.027 | 4.5753 | 4.2613 | -0.002 | 3 | 1 | 0.096 | 3.3637 | 4.57532 |
| 177 | 123.8 | 3.78 | -0.4 | 3.05 | 123.795 | 3.0534 | 5 | 2.20713 | 131.7536 | 11.09334 | 0 | 11.093 | 10.159 | 3.354 | -3E-04 | 3 | 1 | 0.0954 | 3.0189 | 10.1594 |
| 178 | 222.2 | 5.32 | -1.85 | 2.4 | 222.177 | 2.3945 | 6 | 1.9685 | 135.6806 | 11.16118 | 0 | 11.161 | 18.906 | 2.5211 | -6E-04 | 4 | 1 | 0.0948 | 2.7277 | 18.90625 |
| 179 | 295.4 | 2.61 | -2.09 | 0.88 | 295.374 | 0.8836 | 6 | 1.55212 | 131.1645 | 11.22677 | 0 | 11.227 | 25.31 | 0.9185 | -5E-04 | 5 | 1 | 0.0943 | 2.3814 | 25.30984 |
| 180 | 127.7 | 5.53 | -1.83 | 4.33 | 127.678 | 4.3312 | 9 | 2.31834 | 134.6127 | 11.29407 | 0 | 11.294 | 10.305 | 4.7515 | -0.001 | 3 | 1 | 0.0937 | 3.104 | 10.30483 |
| 181 | 173.5 | 6.17 | -1.31 | 3.56 | 173.484 | 3.5565 | 8 | 2.17077 | 136.1618 | 11.36215 | 0 | 11.362 | 14.269 | 3.8058 | -6E-04 | 3 | 1 | 0.0931 | 2.9332 | 14.26858 |
| 182 | 195.9 | 6.29 | -2.34 | 3.21 | 195.871 | 3.2113 | 8 | 2.10418 | 136.5987 | 11.43045 | 0 | 11.43 | 16.136 | 3.4103 | -9E-04 | 3 | 1 | 0.0926 | 2.8618 | 16.13592 |
| 183 | 99.1 | 6.6 | -1.97 | 6.67 | 99.0759 | 6.6616 | 9 | 2.53415 | 135.2884 | 11.4981 | 0 | 11.498 | 7.6167 | 7.5362 | -0.002 | 3 | 1 | 0.092 | 3.3312 | 7.61672 |
| 184 | 91.9 | 6.47 | -0.39 | 7.04 | 91.8952 | 7.0406 | 9 | 2.57288 | 134.9593 | 11.56558 | 0 | 11.566 | 6.9456 | 8.0543 | -4E-04 | 3 | 1 | 0.0915 | 3.3805 | 6.94558 |
| 185 | 57.6 | 2.6 | 0.61 | 4.51 | 57.6075 | 4.5133 | 4 | 2.55356 | 127.1497 | 11.62915 | 0 | 11.629 | 3.9537 | 5.6548 | 0.001 | 3 | 1 | 0.091 | 3.4849 | 3.95371 |

| | CPT-5 | In situ data | | | Basic output data | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth (ft) | qc (tsf) | fs (tsf) | u (psi) | Other | qt (tsf) | Rf(%) | SBT | Ic SBT | ã (pcf) | ó,v (tsf) | u0 (tsf) | ó',vo (tsf) | Qt1 | Fr (%) | Bq | SBTn | n | Cn | Ic | Qtn |
| 1 | 106.1 | 0.64 | -0.01 | 0.6 | 106.1 | 0.6032 | 6 | 1.77717 | 118.3823 | 0.05919 | 0 | 0.0592 | 1791.5 | 0.6035 | -1E-05 | 6 | 0.4388 | 2 | 1.5381 | 200.4345 |
| 2 | 52.5 | 0.23 | 0.09 | 0.44 | 52.5011 | 0.4381 | 6 | 1.97247 | 109.1782 | 0.11378 | 0 | 0.1138 | 460.43 | 0.439 | 0.0001 | 6 | 0.5061 | 2 | 1.708 | 99.02075 |
| 3 | 82.1 | 0.35 | 0.09 | 0.42 | 82.1011 | 0.4263 | 6 | 1.79416 | 113.3408 | 0.17045 | 0 | 0.1705 | 480.67 | 0.4272 | 8E-05 | 6 | 0.4436 | 2 | 1.5369 | 154.8626 |
| 4 | 50.7 | 0.27 | 0.09 | 0.53 | 50.7011 | 0.5325 | 6 | 2.02433 | 110.2664 | 0.22558 | 0 | 0.2256 | 223.76 | 0.5349 | 0.0001 | 6 | 0.5337 | 2 | 1.7665 | 95.40712 |
| 5 | 52.5 | 0.16 | 0.09 | 0.31 | 52.5011 | 0.3048 | 6 | 1.9089 | 106.5228 | 0.27885 | 0 | 0.2789 | 187.28 | 0.3064 | 0.0001 | 6 | 0.4931 | 1.9302 | 1.6499 | 95.26149 |
| 6 | 47.6 | 0.36 | 0.09 | 0.75 | 47.6011 | 0.7563 | 5 | 2.12327 | 112.2174 | 0.33495 | 0 | 0.335 | 141.11 | 0.7616 | 0.0001 | 6 | 0.5841 | 1.9579 | 1.8839 | 87.46164 |
| 7 | 53.7 | 0.34 | 0.09 | 0.64 | 53.7011 | 0.6331 | 6 | 2.03889 | 112.0933 | 0.391 | 0 | 0.391 | 136.34 | 0.6378 | 0.0001 | 6 | 0.5673 | 1.759 | 1.8352 | 88.62429 |
| 8 | 60.7 | 0.4 | 0.09 | 0.66 | 60.7011 | 0.659 | 6 | 2.00197 | 113.5813 | 0.44779 | 0 | 0.4478 | 134.56 | 0.6639 | 0.0001 | 6 | 0.5674 | 1.629 | 1.8286 | 92.76081 |
| 9 | 101.8 | 0.52 | 0.07 | 0.51 | 101.801 | 0.5108 | 6 | 1.75276 | 116.7621 | 0.50617 | 0 | 0.5062 | 200.12 | 0.5134 | 5E-05 | 6 | 0.4923 | 1.4376 | 1.6242 | 137.6238 |
| 10 | 61.5 | 0.3 | -0.01 | 0.49 | 61.4999 | 0.4878 | 6 | 1.9324 | 111.5082 | 0.56193 | 0 | 0.5619 | 108.44 | 0.4923 | -1E-05 | 6 | 0.5631 | 1.4281 | 1.8027 | 82.24542 |
| 11 | 50 | 0.25 | 0.09 | 0.51 | 50.0011 | 0.5 | 6 | 2.01705 | 109.6693 | 0.61676 | 0 | 0.6168 | 80.07 | 0.5062 | 0.0001 | 6 | 0.6027 | 1.3845 | 1.8997 | 64.61702 |
| 12 | 87.9 | 0.49 | 0.09 | 0.56 | 87.9011 | 0.5574 | 6 | 1.82694 | 115.9693 | 0.67475 | 0 | 0.6748 | 129.27 | 0.5618 | 7E-05 | 6 | 0.5455 | 1.2782 | 1.742 | 105.366 |
| 13 | 68.3 | 0.34 | -0.03 | 0.5 | 68.2996 | 0.4978 | 6 | 1.89657 | 112.6798 | 0.73109 | 0 | 0.7311 | 92.422 | 0.5032 | -3E-05 | 6 | 0.5787 | 1.2386 | 1.8222 | 79.09282 |
| 14 | 55.1 | 0.35 | -0.18 | 0.64 | 55.0978 | 0.6352 | 6 | 2.02997 | 112.368 | 0.78727 | 0 | 0.7873 | 68.986 | 0.6444 | -2E-04 | 6 | 0.6371 | 1.2073 | 1.9683 | 61.9674 |
| 15 | 66.8 | 0.39 | -0.2 | 0.58 | 66.7976 | 0.5839 | 6 | 1.93931 | 113.6295 | 0.84408 | 0 | 0.8441 | 78.136 | 0.5913 | -2E-04 | 6 | 0.612 | 1.1483 | 1.8954 | 71.57728 |
| 16 | 52.6 | 0.32 | -0.29 | 0.61 | 52.5965 | 0.6084 | 6 | 2.03813 | 111.599 | 0.89988 | 0 | 0.8999 | 57.448 | 0.619 | -4E-04 | 6 | 0.6579 | 1.1124 | 2.0082 | 54.35095 |
| 17 | 56.2 | 0.49 | -0.29 | 0.88 | 56.1965 | 0.8719 | 5 | 2.0955 | 114.8781 | 0.95732 | 0 | 0.9573 | 57.702 | 0.8871 | -4E-04 | 5 | 0.6882 | 1.0713 | 2.081 | 55.92841 |
| 18 | 121.9 | 0.6 | -0.39 | 0.49 | 121.895 | 0.4922 | 6 | 1.67811 | 118.2486 | 1.01645 | 0 | 1.0165 | 118.92 | 0.4964 | -2E-04 | 6 | 0.5363 | 1.0218 | 1.6753 | 116.7284 |
| 19 | 100.9 | 0.55 | -0.39 | 0.55 | 100.895 | 0.5451 | 6 | 1.77114 | 117.1507 | 1.07502 | 0 | 1.075 | 92.854 | 0.551 | -3E-04 | 6 | 0.5793 | 0.9909 | 1.7809 | 93.47559 |
| 20 | 81.2 | 0.56 | -0.48 | 0.68 | 81.1941 | 0.6897 | 6 | 1.90605 | 116.7527 | 1.1334 | 0 | 1.1334 | 70.638 | 0.6995 | -4E-04 | 6 | 0.6391 | 0.957 | 1.9304 | 72.41215 |
| 21 | 70.3 | 0.51 | -0.48 | 0.72 | 70.2941 | 0.7255 | 6 | 1.97039 | 115.7168 | 1.19126 | 0 | 1.1913 | 58.008 | 0.738 | -5E-04 | 6 | 0.6721 | 0.9234 | 2.0097 | 60.3075 |
| 22 | 91.4 | 0.45 | -0.56 | 0.5 | 91.3932 | 0.4924 | 6 | 1.78445 | 115.4412 | 1.24898 | 0 | 1.249 | 72.174 | 0.4992 | -5E-04 | 6 | 0.6066 | 0.9043 | 1.8303 | 77.04044 |
| 23 | 78.4 | 0.92 | -0.58 | 1.17 | 78.3929 | 1.1736 | 5 | 2.05515 | 120.2995 | 1.30913 | 0 | 1.3091 | 58.882 | 1.1935 | -5E-04 | 5 | 0.7189 | 0.8581 | 2.1176 | 62.51323 |
| 24 | 106.7 | 0.57 | -0.58 | 0.53 | 106.693 | 0.5342 | 6 | 1.746 | 117.5483 | 1.3679 | 0 | 1.3679 | 76.997 | 0.5412 | -4E-04 | 6 | 0.6045 | 0.8562 | 1.8107 | 85.22762 |
| 25 | 61 | 0.44 | -0.58 | 0.72 | 60.9929 | 0.7214 | 6 | 2.02089 | 114.2904 | 1.42505 | 0 | 1.4251 | 41.801 | 0.7387 | -7E-04 | 5 | 0.723 | 0.8063 | 2.1146 | 45.39352 |
| 26 | 130.9 | 0.56 | -0.48 | 0.42 | 130.894 | 0.4278 | 6 | 1.6194 | 117.9175 | 1.48401 | 0 | 1.484 | 87.203 | 0.4327 | -3E-04 | 6 | 0.567 | 0.8255 | 1.6976 | 100.96 |
| 27 | 138.2 | 0.61 | -0.67 | 0.44 | 138.192 | 0.4414 | 6 | 1.60668 | 118.6755 | 1.54334 | 0 | 1.5433 | 88.541 | 0.4464 | -4E-04 | 6 | 0.5679 | 0.8071 | 1.6926 | 104.2279 |
| 28 | 133.4 | 0.61 | -0.63 | 0.45 | 133.392 | 0.4573 | 6 | 1.62788 | 118.5893 | 1.60264 | 0 | 1.6026 | 82.233 | 0.4629 | -3E-04 | 6 | 0.5828 | 0.7851 | 1.7244 | 97.78364 |
| 29 | 156.1 | 0.76 | -0.58 | 0.49 | 156.093 | 0.4869 | 6 | 1.58632 | 120.5813 | 1.66293 | 0 | 1.6629 | 92.866 | 0.4921 | -3E-04 | 6 | 0.571 | 0.7725 | 1.6859 | 112.7418 |
| 30 | 131.5 | 0.6 | -0.58 | 0.45 | 131.493 | 0.4563 | 6 | 1.63261 | 118.4334 | 1.72215 | 0 | 1.7222 | 75.354 | 0.4624 | -3E-04 | 6 | 0.5976 | 0.7475 | 1.7483 | 91.67038 |
| 31 | 88.8 | 0.48 | -0.67 | 0.54 | 88.7918 | 0.5406 | 6 | 1.81619 | 115.843 | 1.78007 | 0 | 1.7801 | 48.881 | 0.5517 | -6E-04 | 6 | 0.6813 | 0.7016 | 1.9609 | 57.69392 |
| 32 | 142.5 | 0.67 | -0.67 | 0.47 | 142.492 | 0.4702 | 6 | 1.61051 | 119.4368 | 1.83979 | 0 | 1.8398 | 76.45 | 0.4764 | -3E-04 | 6 | 0.6001 | 0.7175 | 1.7401 | 95.37817 |
| 33 | 138.6 | 0.7 | -0.67 | 0.51 | 138.592 | 0.5051 | 6 | 1.63788 | 119.6896 | 1.89963 | 0 | 1.8996 | 71.957 | 0.5121 | -4E-04 | 6 | 0.6174 | 0.6968 | 1.7779 | 90.01621 |
| 34 | 73.9 | 0.54 | -0.86 | 0.74 | 73.8895 | 0.7308 | 6 | 1.95406 | 116.2567 | 1.95776 | 0 | 1.9578 | 36.742 | 0.7507 | -9E-04 | 5 | 0.7587 | 0.627 | 2.1417 | 42.62421 |
| 35 | 71.7 | 0.63 | -0.96 | 0.88 | 71.6883 | 0.8788 | 6 | 2.01028 | 117.3108 | 2.01641 | 0 | 2.0164 | 34.552 | 0.9042 | -1E-03 | 5 | 0.7878 | 0.6017 | 2.211 | 39.61887 |
| 36 | 109.5 | 0.75 | -0.96 | 0.69 | 109.488 | 0.685 | 6 | 1.79777 | 119.6195 | 2.07622 | 0 | 2.0762 | 51.734 | 0.6983 | -6E-04 | 6 | 0.7025 | 0.6228 | 1.9794 | 63.22247 |
| 37 | 127.3 | 1.13 | -0.97 | 0.89 | 127.288 | 0.8878 | 6 | 1.81557 | 122.9861 | 2.13772 | 0 | 2.1377 | 58.544 | 0.9029 | -6E-04 | 6 | 0.7122 | 0.606 | 1.9973 | 71.67738 |
| 38 | 74.9 | 0.77 | -1.05 | 1.03 | 74.8872 | 1.0282 | 6 | 2.03539 | 118.8856 | 2.19716 | 0 | 2.1972 | 33.084 | 1.0593 | -0.001 | 5 | 0.817 | 0.5505 | 2.2652 | 37.8162 |
| 39 | 76.7 | 0.86 | -1.15 | 1.12 | 76.6859 | 1.1215 | 5 | 2.05033 | 119.7524 | 2.25704 | 0 | 2.257 | 32.976 | 1.1555 | -0.001 | 5 | 0.8288 | 0.5337 | 2.2887 | 37.54201 |
| 40 | 106.4 | 0.82 | -1.05 | 0.77 | 106.387 | 0.7708 | 6 | 1.83827 | 120.2023 | 2.31714 | 0 | 2.3171 | 44.913 | 0.7879 | -7E-04 | 6 | 0.7445 | 0.5579 | 2.0595 | 54.87331 |
| 41 | 73.5 | 1.42 | -1.09 | 1.93 | 73.4867 | 1.9323 | 5 | 2.21804 | 123.3177 | 2.3788 | 0 | 2.3788 | 29.892 | 1.997 | -0.001 | 5 | 0.9092 | 0.4788 | 2.4825 | 32.17487 |
| 42 | 106.2 | 0.8 | -1.05 | 0.75 | 106.187 | 0.7534 | 6 | 1.83298 | 120.017 | 2.4388 | 0 | 2.4388 | 42.541 | 0.7711 | -7E-04 | 5 | 0.7554 | 0.5322 | 2.0729 | 52.18208 |
| 43 | 97.2 | 0.83 | -1.15 | 0.86 | 97.1859 | 0.854 | 6 | 1.8965 | 120.0704 | 2.49884 | 0 | 2.4988 | 37.892 | 0.8766 | -9E-04 | 5 | 0.7889 | 0.5077 | 2.1536 | 45.42899 |
| 44 | 159.2 | 1.01 | -1.05 | 0.63 | 159.187 | 0.6345 | 6 | 1.64809 | 122.7101 | 2.56019 | 0 | 2.5602 | 61.178 | 0.6448 | -5E-04 | 6 | 0.6843 | 0.5463 | 1.871 | 80.85968 |
| 45 | 79.7 | 0.88 | -1.06 | 1.11 | 79.687 | 1.1043 | 6 | 2.0331 | 120.0142 | 2.6202 | 0 | 2.6202 | 29.413 | 1.1419 | -1E-03 | 5 | 0.8613 | 0.458 | 2.3286 | 33.35567 |
| 46 | 89.8 | 1.07 | -1.15 | 1.19 | 89.7859 | 1.1917 | 6 | 2.01389 | 121.7356 | 2.68107 | 0 | 2.6811 | 32.489 | 1.2284 | -1E-03 | 5 | 0.8562 | 0.4511 | 2.3076 | 37.13799 |
| 47 | 119.9 | 0.96 | -1.12 | 0.8 | 119.886 | 0.8008 | 6 | 1.80738 | 121.647 | 2.74189 | 0 | 2.7419 | 42.724 | 0.8195 | -7E-04 | 5 | 0.773 | 0.479 | 2.0812 | 53.03353 |
| 48 | 95.1 | 1.03 | -1.11 | 1.09 | 95.0864 | 1.0832 | 6 | 1.9682 | 121.5968 | 2.80269 | 0 | 2.8027 | 32.927 | 1.1161 | -9E-04 | 5 | 0.8494 | 0.4372 | 2.2748 | 38.1282 |
| 49 | 92.5 | 1.03 | -1.05 | 1.11 | 92.4872 | 1.1137 | 6 | 1.98515 | 121.5292 | 2.86346 | 0 | 2.8635 | 31.299 | 1.1493 | -8E-04 | 5 | 0.8634 | 0.4233 | 2.304 | 35.85751 |
| 50 | 179.7 | 0.86 | -1.05 | 0.48 | 179.687 | 0.4786 | 6 | 1.53219 | 121.8292 | 2.92437 | 0 | 2.9244 | 60.445 | 0.4865 | -4E-04 | 6 | 0.6712 | 0.5055 | 1.7903 | 84.43908 |
| 51 | 184.2 | 1.35 | -1.05 | 0.73 | 184.187 | 0.733 | 6 | 1.63966 | 125.1889 | 2.98696 | 0 | 2.987 | 60.664 | 0.745 | -4E-04 | 6 | 0.7173 | 0.475 | 1.904 | 81.34943 |
| 52 | 175.1 | 0.94 | -1.05 | 0.54 | 175.087 | 0.5369 | 6 | 1.57097 | 122.4167 | 3.04817 | 0 | 3.0482 | 56.44 | 0.5464 | -4E-04 | 6 | 0.6988 | 0.4774 | 1.8475 | 77.62244 |
| 53 | 196.2 | 1.06 | -1.05 | 0.54 | 196.187 | 0.5403 | 6 | 1.53362 | 123.5734 | 3.10996 | 0 | 3.11 | 62.084 | 0.549 | -4E-04 | 6 | 0.686 | 0.4773 | 1.806 | 87.09754 |
| 54 | 169.9 | 0.66 | -1.05 | 0.39 | 169.887 | 0.3885 | 6 | 1.50124 | 119.7556 | 3.16984 | 0 | 3.1698 | 52.595 | 0.3959 | -5E-04 | 6 | 0.6852 | 0.4715 | 1.7959 | 74.29593 |
| 55 | 106.7 | 0.83 | -1.05 | 0.78 | 106.687 | 0.778 | 6 | 1.83974 | 120.2979 | 3.22999 | 0 | 3.23 | 32.03 | 0.8023 | -7E-04 | 5 | 0.84 | 0.3916 | 2.1965 | 38.29061 |
| 56 | 161.6 | 1.11 | -1.05 | 0.69 | 161.587 | 0.6869 | 6 | 1.66469 | 123.4374 | 3.29171 | 0 | 3.2917 | 48.089 | 0.7012 | -5E-04 | 6 | 0.7613 | 0.4215 | 1.9814 | 63.05482 |
| 57 | 167.4 | 1.16 | -1.15 | 0.7 | 167.386 | 0.693 | 6 | 1.65533 | 123.8458 | 3.35363 | 0 | 3.3536 | 48.912 | 0.7072 | -5E-04 | 6 | 0.7621 | 0.4151 | 1.9759 | 64.35513 |
| 58 | 181.8 | 1.17 | -1.24 | 0.64 | 181.785 | 0.6436 | 6 | 1.60724 | 124.1098 | 3.41568 | 0 | 3.4157 | 52.221 | 0.6559 | -5E-04 | 6 | 0.7461 | 0.4171 | 1.9259 | 70.31676 |
| 59 | 204.4 | 1.34 | -1.24 | 0.66 | 204.385 | 0.6556 | 6 | 1.57376 | 125.3883 | 3.47838 | 0 | 3.4784 | 57.759 | 0.667 | -4E-04 | 6 | 0.734 | 0.4175 | 1.8863 | 79.26528 |
| 60 | 179 | 0.99 | -1.34 | 0.55 | 178.984 | 0.5531 | 6 | 1.57127 | 122.8496 | 3.5398 | 0 | 3.5398 | 49.563 | 0.5643 | -6E-04 | 6 | 0.745 | 0.4067 | 1.9071 | 67.43941 |
| 61 | 121.3 | 1.25 | -1.39 | 1.03 | 121.283 | 1.0307 | 6 | 1.87369 | 123.6067 | 3.60161 | 0 | 3.6016 | 32.675 | 1.0622 | -9E-04 | 5 | 0.8846 | 0.3384 | 2.2676 | 37.63594 |
| 62 | 192.4 | 1.35 | -1.43 | 0.7 | 192.383 | 0.7017 | 6 | 1.61298 | 125.2951 | 3.66425 | 0 | 3.6643 | 51.503 | 0.7154 | -6E-04 | 6 | 0.7691 | 0.3847 | 1.9553 | 68.60873 |
| 63 | 140.6 | 0.87 | -1.49 | 0.62 | 140.582 | 0.6189 | 6 | 1.68424 | 121.3151 | 3.72491 | 0 | 3.7249 | 36.741 | 0.6357 | -8E-04 | 5 | 0.8175 | 0.3574 | 2.0749 | 46.22952 |
| 64 | 148.1 | 1.4 | -1.56 | 0.95 | 148.081 | 0.9454 | 6 | 1.78398 | 124.9228 | 3.78737 | 0 | 3.7874 | 38.099 | 0.9702 | -8E-04 | 5 | 0.8587 | 0.3345 | 2.1762 | 45.61881 |
| 65 | 156.1 | 1.44 | -1.62 | 0.92 | 156.08 | 0.9226 | 6 | 1.75992 | 125.2573 | 3.85 | 0 | 3.85 | 39.54 | 0.9459 | -8E-04 | 5 | 0.853 | 0.3323 | 2.1531 | 47.81052 |
| 66 | 89.3 | 2.74 | -1.62 | 3.06 | 89.2802 | 3.069 | 5 | 2.30154 | 128.602 | 3.9143 | 0 | 3.9143 | 21.809 | 3.2097 | -0.001 | 4 | 1 | 0.2703 | 2.7429 | 21.80871 |
| 67 | 207.4 | 1.24 | -1.62 | 0.6 | 207.38 | 0.5979 | 6 | 1.54287 | 124.8563 | 3.97673 | 0 | 3.9767 | 51.148 | 0.6096 | -6E-04 | 6 | 0.7681 | 0.3617 | 1.9131 | 69.53521 |
| 68 | 265.5 | 1.44 | -1.62 | 0.54 | 265.48 | 0.5424 | 6 | 1.43412 | 126.5528 | 4.04001 | 0 | 4.04 | 64.713 | 0.5508 | -5E-04 | 6 | 0.7199 | 0.3812 | 1.7781 | 94.18556 |
| 69 | 89.7 | 2.4 | -1.4 | 2.68 | 89.6829 | 2.6761 | 5 | 2.25643 | 127.6436 | 4.10383 | 0 | 4.1038 | 20.853 | 2.8044 | -0.001 | 4 | 1 | 0.2578 | 2.7217 | 20.85347 |
| 70 | 173.1 | 0.99 | -1.72 | 0.57 | 173.079 | 0.572 | 6 | 1.59171 | 122.7678 | 4.16521 | 0 | 4.1652 | 40.553 | 0.5861 | -7E-04 | 6 | 0.8141 | 0.3277 | 2.0108 | 52.31856 |
| 71 | 204.2 | 1.28 | -1.72 | 0.63 | 204.179 | 0.6269 | 6 | 1.56134 | 125.0507 | 4.22774 | 0 | 4.2277 | 47.295 | 0.6402 | -6E-04 | 6 | 0.7993 | 0.3305 | 1.9639 | 62.45666 |
| 72 | 247.6 | 2.68 | -1.72 | 1.08 | 247.579 | 1.0825 | 6 | 1.66894 | 130.9277 | 4.2932 | 0 | 4.2932 | 56.668 | 1.1016 | -5E-04 | 5 | 0.835 | 0.3105 | 2.0506 | 71.39933 |
| 73 | 216.8 | 1.1 | -1.72 | 0.51 | 216.779 | 0.5074 | 6 | 1.48272 | 124.0878 | 4.35524 | 0 | 4.3552 | 48.774 | 0.5178 | -6E-04 | 6 | 0.7783 | 0.3325 | 1.8922 | 66.74843 |
| 74 | 226.1 | 1.49 | -1.72 | 0.66 | 226.079 | 0.6591 | 6 | 1.54259 | 126.4107 | 4.41845 | 0 | 4.4185 | 50.167 | 0.6722 | -6E-04 | 6 | 0.804 | 0.3169 | 1.9527 | 66.38393 |
| 75 | 238.1 | 2.21 | -1.81 | 0.93 | 238.078 | 0.9283 | 6 | 1.63097 | 129.4213 | 4.48316 | 0 | 4.4832 | 52.105 | 0.9461 | -6E-04 | 6 | 0.8401 | 0.2973 | 2.0401 | 65.63692 |
| 76 | 98.5 | 2.18 | -1.87 | 2.21 | 98.4771 | 2.2137 | 5 | 2.16868 | 127.1682 | 4.54675 | 0 | 4.5468 | 20.659 | 2.3209 | -0.001 | 4 | 1 | 0.2327 | 2.6754 | 20.65882 |
| 77 | 102.2 | 2.7 | -2.78 | 2.64 | 102.166 | 2.6428 | 5 | 2.2141 | 128.8232 | 4.61116 | 0 | 4.6112 | 21.156 | 2.7677 | -0.002 | 4 | 1 | 0.2295 | 2.7133 | 21.15626 |
| 78 | 142.2 | 1.59 | -1.9 | 1.12 | 142.177 | 1.1183 | 6 | 1.84646 | 125.7548 | 4.67403 | 0 | 4.674 | 29.418 | 1.1563 | -1E-03 | 5 | 0.9718 | 0.2361 | 2.3621 | 30.67642 |
| 79 | 147.3 | 1.91 | -1.91 | 1.3 | 147.277 | 1.2969 | 6 | 1.88041 | 127.1825 | 4.73763 | 0 | 4.7376 | 30.087 | 1.34 | -1E-03 | 5 | 0.9879 | 0.2274 | 2.3979 | 30.63748 |
| 80 | 152.9 | 2.95 | -2.29 | 1.93 | 152.872 | 1.9297 | 6 | 1.99578 | 130.4541 | 4.80285 | 0 | 4.8029 | 30.829 | 1.9923 | -0.001 | 5 | 1 | 0.2203 | 2.4966 | 30.82941 |
| 81 | 180.6 | 1.37 | -1.91 | 0.76 | 180.577 | 0.7587 | 6 | 1.65603 | 125.2482 | 4.86548 | 0 | 4.8655 | 36.114 | 0.7797 | -8E-04 | 5 | 0.9023 | 0.2524 | 2.1564 | 41.92043 |
| 82 | 191.7 | 1.74 | -1.93 | 0.91 | 191.676 | 0.9078 | 6 | 1.69012 | 127.143 | 4.92905 | 0 | 4.9291 | 37.887 | 0.9317 | -7E-04 | 5 | 0.917 | 0.2439 | 2.1876 | 43.04561 |
| 83 | 67.9 | 3.13 | -3.52 | 4.61 | 67.8569 | 4.6127 | 4 | 2.51289 | 128.9065 | 4.9935 | 0 | 4.9935 | 12.589 | 4.9791 | -0.004 | 3 | 1 | 0.2119 | 3.0483 | 12.58905 |
| 84 | 87.3 | 3.53 | -3.71 | 4.05 | 87.2546 | 4.0456 | 4 | 2.39833 | 130.3997 | 5.0587 | 0 | 5.0587 | 16.248 | 4.2946 | -0.003 | 3 | 1 | 0.2092 | 2.9219 | 16.24842 |
| 85 | 142.9 | 2.34 | -3.71 | 1.64 | 142.855 | 1.638 | 6 | 1.96263 | 128.5938 | 5.123 | 0 | 5.123 | 26.885 | 1.699 | -0.002 | 5 | 1 | 0.2065 | 2.5033 | 26.88496 |
| 86 | 161.3 | 1.53 | -2.19 | 0.95 | 161.273 | 0.9487 | 6 | 1.75767 | 125.7807 | 5.18589 | 0 | 5.1859 | 30.098 | 0.9802 | -0.001 | 5 | 0.9794 | 0.2108 | 2.3188 | 31.10276 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 87 | 176.4 | 1.21 | -1.91 | 0.68 | 176.377 | 0.686 | 6 | 1.63511 | 124.2821 | 5.24803 | 0 | 5.248 | 32.608 | 0.7071 | -8E-04 | 5 | 0.9326 | 0.2246 | 2.1889 | 36.32493 |
| 88 | 119.5 | 3.4 | -1.91 | 2.84 | 119.477 | 2.8458 | 5 | 2.19352 | 130.8917 | 5.31348 | 0 | 5.3135 | 21.486 | 2.9782 | -0.001 | 4 | 1 | 0.1991 | 2.7276 | 21.48559 |
| 89 | 53.8 | 3.05 | -2 | 5.67 | 53.7755 | 5.6717 | 4 | 2.64708 | 128.1498 | 5.37755 | 0 | 5.3776 | 9 | 6.3019 | -0.003 | 3 | 1 | 0.1968 | 3.226 | 9 |
| 90 | 64.9 | 4.41 | -2.07 | 6.8 | 64.8747 | 6.7977 | 9 | 2.65384 | 131.3055 | 5.4432 | 0 | 5.4432 | 10.918 | 7.4203 | -0.003 | 3 | 1 | 0.1944 | 3.2068 | 10.91847 |
| 91 | 81.3 | 5.18 | -1.9 | 6.37 | 81.2767 | 6.3733 | 9 | 2.57078 | 133.0328 | 5.50972 | 0 | 5.5097 | 13.752 | 6.8368 | -0.002 | 3 | 1 | 0.192 | 3.1079 | 13.75152 |
| 92 | 118.1 | 5.78 | -2.1 | 4.9 | 118.074 | 4.8952 | 9 | 2.38126 | 134.7455 | 5.57709 | 0 | 5.5771 | 20.171 | 5.1379 | -0.001 | 3 | 1 | 0.1897 | 2.9011 | 20.1713 |
| 93 | 143.3 | 5.68 | -5.32 | 3.97 | 143.235 | 3.9655 | 8 | 2.25782 | 135.089 | 5.64464 | 0 | 5.6446 | 24.375 | 4.1282 | -0.003 | 3 | 1 | 0.1875 | 2.7765 | 24.37539 |
| 94 | 143 | 5.82 | -2.69 | 4.07 | 142.967 | 4.0709 | 8 | 2.26748 | 135.2626 | 5.71227 | 0 | 5.7123 | 24.028 | 4.2403 | -0.001 | 3 | 1 | 0.1852 | 2.7889 | 24.02808 |
| 95 | 162.2 | 5.12 | -3.81 | 3.16 | 162.153 | 3.1575 | 8 | 2.14624 | 134.6321 | 5.77958 | 0 | 5.7796 | 27.056 | 3.2742 | -0.002 | 4 | 1 | 0.1831 | 2.6764 | 27.05624 |
| 96 | 85.3 | 5.05 | -3.47 | 5.92 | 85.2575 | 5.9232 | 9 | 2.53293 | 132.9634 | 5.84607 | 0 | 5.8461 | 13.584 | 6.3593 | -0.003 | 3 | 1 | 0.181 | 3.0912 | 13.58374 |
| 97 | 156.3 | 3.92 | -3.42 | 2.51 | 156.258 | 2.5087 | 5 | 2.07711 | 132.5877 | 5.91236 | 0 | 5.9124 | 25.429 | 2.6073 | -0.002 | 4 | 1 | 0.179 | 2.6344 | 25.42907 |
| 98 | 56.5 | 3.33 | -2.68 | 5.9 | 56.4672 | 5.8972 | 3 | 2.64571 | 128.9116 | 5.97682 | 0 | 5.9768 | 8.4477 | 6.5953 | -0.004 | 3 | 1 | 0.177 | 3.2599 | 8.44771 |
| 99 | 128.9 | 4.01 | -3.15 | 3.11 | 128.861 | 3.1119 | 5 | 2.2025 | 132.2836 | 6.04296 | 0 | 6.043 | 20.324 | 3.265 | -0.002 | 4 | 1 | 0.1751 | 2.7714 | 20.32424 |
| 100 | 186.9 | 2.91 | -2.47 | 1.56 | 186.87 | 1.5572 | 6 | 1.86827 | 130.844 | 6.10838 | 0 | 6.1084 | 29.592 | 1.6099 | -1E-03 | 5 | 1 | 0.1732 | 2.4558 | 29.59237 |
| 101 | 223.2 | 2.76 | -1.62 | 1.24 | 223.18 | 1.2367 | 6 | 1.74214 | 130.8898 | 6.17382 | 0 | 6.1738 | 35.149 | 1.2719 | -5E-04 | 5 | 1 | 0.1714 | 2.3359 | 35.14942 |
| 102 | 244.8 | 1.99 | -1.53 | 0.81 | 244.781 | 0.813 | 6 | 1.58106 | 128.7218 | 6.23818 | 0 | 6.2382 | 38.239 | 0.8342 | -5E-04 | 5 | 0.9814 | 0.1753 | 2.1935 | 39.52005 |
| 103 | 218.5 | 1.59 | -1.41 | 0.73 | 218.483 | 0.7278 | 6 | 1.58271 | 126.8027 | 6.30159 | 0 | 6.3016 | 33.671 | 0.7494 | -5E-04 | 5 | 0.9974 | 0.1687 | 2.2282 | 33.82883 |
| 104 | 129.2 | 3.29 | -1.2 | 2.55 | 129.185 | 2.5467 | 5 | 2.1348 | 130.8416 | 6.36701 | 0 | 6.367 | 19.29 | 2.6788 | -7E-04 | 4 | 1 | 0.1662 | 2.7365 | 19.2898 |
| 105 | 224.9 | 1.99 | -1.43 | 0.89 | 224.883 | 0.8849 | 6 | 1.63313 | 128.515 | 6.43126 | 0 | 6.4313 | 33.967 | 0.911 | -5E-04 | 5 | 1 | 0.1645 | 2.2695 | 33.96707 |
| 106 | 159.2 | 2.65 | -0.59 | 1.66 | 159.193 | 1.6647 | 6 | 1.93604 | 129.7682 | 6.49615 | 0 | 6.4962 | 23.506 | 1.7355 | -3E-04 | 4 | 1 | 0.1629 | 2.5564 | 23.50572 |
| 107 | 268 | 1.75 | -1.43 | 0.65 | 267.983 | 0.653 | 6 | 1.48605 | 128.0023 | 6.56015 | 0 | 6.5602 | 39.85 | 0.6694 | -4E-04 | 5 | 0.9699 | 0.1704 | 2.1213 | 42.10174 |
| 108 | 48.6 | 1.27 | -0.98 | 2.62 | 48.588 | 2.6138 | 5 | 2.43917 | 121.4918 | 6.6209 | 0 | 6.6209 | 6.3386 | 3.0262 | -0.002 | 3 | 1 | 0.1598 | 3.1641 | 6.33858 |
| 109 | 66.3 | 3.2 | -2.28 | 4.82 | 66.2721 | 4.8286 | 4 | 2.53459 | 129.0107 | 6.6854 | 0 | 6.6854 | 8.913 | 5.3703 | -0.003 | 3 | 1 | 0.1583 | 3.1863 | 8.91296 |
| 110 | 44.9 | 2.29 | -2.1 | 5.11 | 44.8743 | 5.1031 | 4 | 2.66674 | 125.6115 | 6.74821 | 0 | 6.7482 | 5.6498 | 6.0064 | -0.004 | 3 | 1 | 0.1568 | 3.3737 | 5.64981 |
| 111 | 152.3 | 4.13 | -2.57 | 2.71 | 152.269 | 2.7123 | 5 | 2.11061 | 132.9064 | 6.81466 | 0 | 6.8147 | 21.344 | 2.8394 | -0.001 | 4 | 1 | 0.1553 | 2.7171 | 21.34426 |
| 112 | 245.8 | 2.18 | -2.24 | 0.89 | 245.773 | 0.887 | 6 | 1.60713 | 129.3989 | 6.87936 | 0 | 6.8794 | 34.726 | 0.9125 | -7E-04 | 5 | 1 | 0.1538 | 2.2617 | 34.72609 |
| 113 | 66.3 | 3.56 | -1.38 | 5.38 | 66.2831 | 5.3709 | 4 | 2.56944 | 129.7912 | 6.94426 | 0 | 6.9443 | 8.545 | 5.9994 | -0.002 | 3 | 1 | 0.1524 | 3.2304 | 8.54503 |
| 114 | 71.5 | 3.79 | -3.23 | 5.31 | 71.4605 | 5.3036 | 4 | 2.54411 | 130.4327 | 7.00947 | 0 | 7.0095 | 9.1948 | 5.8804 | -0.004 | 3 | 1 | 0.151 | 3.2 | 9.19484 |
| 115 | 69.8 | 4.28 | -3.42 | 6.14 | 69.7581 | 6.1355 | 9 | 2.59943 | 131.2636 | 7.0751 | 0 | 7.0751 | 8.8597 | 6.828 | -0.004 | 3 | 1 | 0.1496 | 3.2532 | 8.85966 |
| 116 | 44.4 | 2.32 | -3.33 | 5.23 | 44.3592 | 5.23 | 4 | 2.67791 | 125.6786 | 7.13794 | 0 | 7.1379 | 5.2146 | 6.233 | -0.006 | 3 | 1 | 0.1482 | 3.4113 | 5.21457 |
| 117 | 39.8 | 2.04 | -3.33 | 5.12 | 39.7592 | 5.1309 | 3 | 2.705 | 124.4705 | 7.20018 | 0 | 7.2002 | 4.522 | 6.2655 | -0.007 | 3 | 1 | 0.147 | 3.4627 | 4.52198 |
| 118 | 42.9 | 2.45 | -3.31 | 5.72 | 42.8595 | 5.7164 | 3 | 2.71622 | 125.9936 | 7.26317 | 0 | 7.2632 | 4.9009 | 6.8827 | -0.007 | 3 | 1 | 0.1457 | 3.4585 | 4.90093 |
| 119 | 130.4 | 3.92 | -3.38 | 3.01 | 130.359 | 3.0071 | 5 | 2.18779 | 132.1457 | 7.32925 | 0 | 7.3293 | 16.786 | 3.1862 | -0.002 | 3 | 1 | 0.1444 | 2.8302 | 16.78609 |
| 120 | 268.2 | 2.64 | -1.81 | 0.99 | 268.178 | 0.9844 | 6 | 1.61505 | 131.0126 | 7.39475 | 0 | 7.3948 | 35.266 | 1.0123 | -5E-04 | 5 | 1 | 0.1431 | 2.2799 | 35.26596 |
| 121 | 316.7 | 2.85 | -0.96 | 0.9 | 316.688 | 0.8999 | 6 | 1.53838 | 131.9781 | 7.46074 | 0 | 7.4607 | 41.447 | 0.9217 | -2E-04 | 5 | 1 | 0.1418 | 2.1989 | 41.44728 |
| 122 | 297.5 | 2.28 | -0.96 | 0.77 | 297.488 | 0.7664 | 6 | 1.50413 | 130.1929 | 7.52584 | 0 | 7.5258 | 38.529 | 0.7863 | -2E-04 | 5 | 1 | 0.1406 | 2.1897 | 38.52891 |
| 123 | 354.3 | 2.85 | -0.96 | 0.8 | 354.288 | 0.8044 | 6 | 1.46972 | 132.2518 | 7.59196 | 0 | 7.592 | 45.666 | 0.8221 | -2E-04 | 5 | 1 | 0.1394 | 2.1367 | 45.66621 |
| 124 | 305.7 | 2.24 | -0.86 | 0.73 | 305.689 | 0.7328 | 6 | 1.4818 | 130.1297 | 7.65703 | 0 | 7.657 | 38.923 | 0.7516 | -2E-04 | 5 | 1 | 0.1382 | 2.176 | 38.92272 |
| 125 | 333 | 2.19 | -0.86 | 0.66 | 332.989 | 0.6577 | 6 | 1.42213 | 130.1731 | 7.72212 | 0 | 7.7221 | 42.122 | 0.6733 | -2E-04 | 5 | 1 | 0.137 | 2.1224 | 42.12153 |
| 126 | 300.5 | 1.82 | -0.96 | 0.61 | 300.488 | 0.6057 | 6 | 1.42765 | 128.5685 | 7.7864 | 0 | 7.7864 | 37.591 | 0.6218 | -2E-04 | 5 | 1 | 0.1359 | 2.149 | 37.59142 |
| 127 | 333.2 | 2.48 | -1.24 | 0.74 | 333.185 | 0.7443 | 6 | 1.46166 | 131.0845 | 7.85194 | 0 | 7.8519 | 41.433 | 0.7623 | -3E-04 | 5 | 1 | 0.1348 | 2.1557 | 41.43342 |
| 128 | 408.2 | 3.23 | -1.53 | 0.79 | 408.181 | 0.7913 | 6 | 1.42534 | 133.513 | 7.9187 | 0 | 7.9187 | 50.547 | 0.807 | -3E-04 | 5 | 1 | 0.1336 | 2.0952 | 50.5465 |
| 129 | 345.4 | 2.99 | -1.72 | 0.87 | 345.379 | 0.8657 | 6 | 1.5013 | 132.5405 | 7.98497 | 0 | 7.985 | 42.254 | 0.8862 | -4E-04 | 5 | 1 | 0.1325 | 2.1827 | 42.25363 |
| 130 | 355.2 | 2.88 | -2.01 | 0.81 | 355.175 | 0.8109 | 6 | 1.47168 | 132.3345 | 8.05114 | 0 | 8.0511 | 43.115 | 0.8297 | -4E-04 | 5 | 1 | 0.1314 | 2.16 | 43.11494 |
| 131 | 187.6 | 4.63 | -2.41 | 2.47 | 187.571 | 2.4684 | 5 | 2.02278 | 134.2512 | 8.11826 | 0 | 8.1183 | 22.105 | 2.5801 | -1E-03 | 4 | 1 | 0.1303 | 2.6796 | 22.10476 |
| 132 | 59.3 | 1.68 | -1.24 | 2.83 | 59.2848 | 2.8338 | 5 | 2.40014 | 124.0242 | 8.18027 | 0 | 8.1803 | 6.2473 | 3.2874 | -0.002 | 3 | 1 | 0.1294 | 3.1888 | 6.24729 |
| 133 | 187.5 | 3.92 | -5.04 | 2.09 | 187.438 | 2.0914 | 6 | 1.96606 | 133.0314 | 8.24679 | 0 | 8.2468 | 21.729 | 2.1876 | -0.002 | 4 | 1 | 0.1283 | 2.6426 | 21.72864 |
| 134 | 71.5 | 1.23 | -2.19 | 1.71 | 71.4732 | 1.7209 | 5 | 2.1932 | 122.1989 | 8.30789 | 0 | 8.3079 | 7.6031 | 1.9473 | -0.003 | 3 | 1 | 0.1274 | 2.9969 | 7.60305 |
| 135 | 85.5 | 2.64 | -2.19 | 3.08 | 85.4732 | 3.0887 | 5 | 2.31632 | 128.2237 | 8.372 | 0 | 8.372 | 9.2094 | 3.4241 | -0.002 | 3 | 1 | 0.1264 | 3.059 | 9.20941 |
| 136 | 113.1 | 5.96 | -2.66 | 5.28 | 113.067 | 5.2712 | 9 | 2.41827 | 134.8643 | 8.43943 | 0 | 8.4394 | 12.398 | 5.6964 | -0.002 | 3 | 1 | 0.1254 | 3.0906 | 12.39752 |
| 137 | 146 | 4.05 | -4.02 | 2.78 | 145.951 | 2.7749 | 5 | 2.12983 | 132.6599 | 8.50576 | 0 | 8.5058 | 16.159 | 2.9466 | -0.002 | 4 | 1 | 0.1244 | 2.8229 | 16.15905 |
| 138 | 264.8 | 6.81 | -3.77 | 2.57 | 264.754 | 2.5722 | 8 | 1.951 | 137.28 | 8.5744 | 0 | 8.5744 | 29.877 | 2.6583 | -0.001 | 4 | 1 | 0.1234 | 2.5852 | 29.87723 |
| 139 | 348.6 | 5.65 | -2.33 | 1.62 | 348.571 | 1.6209 | 6 | 1.71784 | 137.2194 | 8.64301 | 0 | 8.643 | 39.33 | 1.6621 | -5E-04 | 5 | 1 | 0.1224 | 2.3648 | 39.32986 |
| 140 | 336 | 3.87 | -2.47 | 1.15 | 335.97 | 1.1519 | 6 | 1.60608 | 134.3608 | 8.71019 | 0 | 8.7102 | 37.572 | 1.1826 | -5E-04 | 5 | 1 | 0.1215 | 2.2941 | 37.57202 |
| 141 | 514.3 | 5.23 | -2.1 | 1.02 | 514.274 | 1.017 | 6 | 1.45599 | 137.28 | 8.77883 | 0 | 8.7788 | 57.581 | 1.0346 | -3E-04 | 5 | 1 | 0.1205 | 2.109 | 57.58116 |
| 142 | 365.2 | 3.19 | -2.19 | 0.87 | 365.173 | 0.8736 | 6 | 1.48905 | 133.1502 | 8.84541 | 0 | 8.8454 | 40.284 | 0.8952 | -4E-04 | 5 | 1 | 0.1196 | 2.2025 | 40.28392 |
| 143 | 381.2 | 2.65 | -2.19 | 0.69 | 381.173 | 0.6952 | 6 | 1.40086 | 131.8978 | 8.91136 | 0 | 8.9114 | 41.774 | 0.7119 | -4E-04 | 5 | 1 | 0.1187 | 2.1376 | 41.77386 |
| 144 | 306.4 | 2.17 | -2.03 | 0.71 | 306.375 | 0.7083 | 6 | 1.47036 | 129.9028 | 8.97631 | 0 | 8.9763 | 33.132 | 0.7297 | -5E-04 | 5 | 1 | 0.1179 | 2.2304 | 33.13153 |
| 145 | 343.9 | 2.38 | -2.1 | 0.69 | 343.874 | 0.6921 | 6 | 1.42898 | 130.8603 | 9.04174 | 0 | 9.0417 | 37.032 | 0.7108 | -5E-04 | 5 | 1 | 0.117 | 2.1827 | 37.03187 |
| 146 | 367.6 | 2.77 | -2.1 | 0.75 | 367.574 | 0.7536 | 6 | 1.43774 | 132.1332 | 9.10781 | 0 | 9.1078 | 39.358 | 0.7727 | -4E-04 | 5 | 1 | 0.1162 | 2.1779 | 39.35816 |
| 147 | 360.1 | 2.67 | -2.1 | 0.74 | 360.074 | 0.7415 | 6 | 1.43822 | 131.8139 | 9.17371 | 0 | 9.1737 | 38.251 | 0.7609 | -4E-04 | 5 | 1 | 0.1153 | 2.1852 | 38.25066 |
| 148 | 381.3 | 2.52 | -2.1 | 0.66 | 381.274 | 0.6609 | 6 | 1.38421 | 131.5304 | 9.23948 | 0 | 9.2395 | 40.266 | 0.6774 | -4E-04 | 5 | 1 | 0.1145 | 2.1407 | 40.26578 |
| 149 | 351.1 | 2.99 | -2.1 | 0.85 | 351.074 | 0.8517 | 6 | 1.4913 | 132.5804 | 9.30577 | 0 | 9.3058 | 36.727 | 0.8749 | -4E-04 | 5 | 1 | 0.1137 | 2.2314 | 36.72652 |
| 150 | 542.6 | 4.29 | -2.19 | 0.79 | 542.573 | 0.7907 | 6 | 1.3519 | 136.2837 | 9.37391 | 0 | 9.3739 | 56.881 | 0.8046 | -3E-04 | 6 | 1 | 0.1129 | 2.0514 | 56.8812 |
| 151 | 392.6 | 3.62 | -2.19 | 0.92 | 392.573 | 0.9221 | 6 | 1.48823 | 134.2519 | 9.44104 | 0 | 9.441 | 40.582 | 0.9448 | -4E-04 | 5 | 1 | 0.1121 | 2.2124 | 40.58158 |
| 152 | 653.4 | 7.79 | -2.29 | 1.19 | 653.372 | 1.1923 | 6 | 1.4636 | 137.28 | 9.50968 | 0 | 9.5097 | 67.706 | 1.2099 | -3E-04 | 5 | 1 | 0.1113 | 2.094 | 67.70602 |
| 153 | 459.2 | 6.45 | -2.38 | 1.41 | 459.171 | 1.4047 | 6 | 1.60107 | 137.28 | 9.57832 | 0 | 9.5783 | 46.939 | 1.4346 | -4E-04 | 5 | 1 | 0.1105 | 2.2649 | 46.93858 |
| 154 | 276.9 | 3.63 | -2.51 | 1.31 | 276.869 | 1.3111 | 6 | 1.70191 | 133.4205 | 9.64503 | 0 | 9.645 | 27.706 | 1.3584 | -7E-04 | 5 | 1 | 0.1097 | 2.4375 | 27.70591 |
| 155 | 224 | 5.59 | -3.19 | 2.5 | 223.961 | 2.496 | 5 | 1.98117 | 136.0623 | 9.71306 | 0 | 9.7131 | 22.058 | 2.6091 | -0.001 | 4 | 1 | 0.1089 | 2.6833 | 22.05772 |
| 156 | 339.1 | 2.38 | -2.51 | 0.7 | 339.069 | 0.7019 | 6 | 1.43761 | 130.826 | 9.77847 | 0 | 9.7785 | 33.675 | 0.7228 | -6E-04 | 5 | 1 | 0.1082 | 2.2222 | 33.67508 |
| 157 | 90.7 | 3.54 | -2.09 | 3.91 | 90.6744 | 3.9041 | 4 | 2.37573 | 130.5142 | 9.84373 | 0 | 9.8437 | 8.2114 | 4.3795 | -0.002 | 3 | 1 | 0.1075 | 3.1616 | 8.21139 |
| 158 | 172.7 | 4.61 | -5.89 | 2.67 | 172.628 | 2.6705 | 5 | 2.0718 | 134.017 | 9.91074 | 0 | 9.9107 | 16.418 | 2.8331 | -0.003 | 4 | 1 | 0.1068 | 2.8071 | 16.41827 |
| 159 | 142.6 | 3.51 | -1.17 | 2.46 | 142.586 | 2.4617 | 5 | 2.09592 | 131.556 | 9.97651 | 0 | 9.9765 | 13.292 | 2.6469 | -6E-04 | 4 | 1 | 0.1061 | 2.8643 | 13.29213 |
| 160 | 233.5 | 6.85 | -6.47 | 2.94 | 233.421 | 2.9346 | 8 | 2.02894 | 137.28 | 10.04515 | 0 | 10.045 | 22.237 | 3.0666 | -0.002 | 4 | 1 | 0.1053 | 2.7239 | 22.23716 |

| | CPT-6 | In situ data | | | Basic output data | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth (ft) | qc (tsf) | fs (tsf) | u (psi) | Other | qt (tsf) | Rf(%) | SBT | Ic SBT | ã (pcf) | ó,v (tsf) | u0 (tsf) | ó',vo (tsf) | Qt1 | Fr (%) | Bq | SBTn | n | Cn | Ic | Qtn |
| 1 | 82.4 | 0.43 | 0 | 0.52 | 82.4 | 0.5218 | 6 | 1.83602 | 114.8559 | 0.05743 | 0 | 0.0574 | 1433.8 | 0.5222 | 0 | 6 | 0.4566 | 2 | 1.5851 | 155.6412 |
| 2 | 87.5 | 0.46 | 0.01 | 0.52 | 87.5001 | 0.5257 | 6 | 1.8153 | 115.4958 | 0.11518 | 0 | 0.1152 | 758.71 | 0.5264 | 1E-05 | 6 | 0.4523 | 2 | 1.5664 | 165.1721 |
| 3 | 81.4 | 0.55 | 0.09 | 0.67 | 81.4011 | 0.6757 | 6 | 1.90018 | 116.6271 | 0.17349 | 0 | 0.1735 | 468.2 | 0.6771 | 8E-05 | 6 | 0.4903 | 2 | 1.6589 | 153.5337 |
| 4 | 38.9 | 0.16 | 0.09 | 0.42 | 38.9011 | 0.4113 | 6 | 2.07923 | 105.7916 | 0.22639 | 0 | 0.2264 | 170.84 | 0.4137 | 0.0002 | 6 | 0.5507 | 2 | 1.811 | 73.10164 |
| 5 | 37 | 0.19 | 0.09 | 0.52 | 37.0011 | 0.5135 | 5 | 2.1393 | 106.9269 | 0.27985 | 0 | 0.2799 | 131.22 | 0.5174 | 0.0002 | 6 | 0.5785 | 2 | 1.8773 | 69.40927 |
| 6 | 44.2 | 0.2 | 0.09 | 0.46 | 44.2011 | 0.4525 | 6 | 2.04593 | 107.7359 | 0.33372 | 0 | 0.3337 | 131.45 | 0.4559 | 0.0002 | 6 | 0.5544 | 1.8959 | 1.8033 | 78.60076 |
| 7 | 61.8 | 0.37 | 0.19 | 0.6 | 61.8023 | 0.5987 | 6 | 1.97393 | 113.0547 | 0.39024 | 0 | 0.3902 | 157.37 | 0.6025 | 0.0002 | 6 | 0.5454 | 1.7229 | 1.7779 | 99.99562 |
| 8 | 39.1 | 0.13 | 0.19 | 0.34 | 39.1023 | 0.3325 | 6 | 2.04182 | 104.2849 | 0.44239 | 0 | 0.4424 | 87.39 | 0.3363 | 0.0004 | 6 | 0.5742 | 1.6499 | 1.8474 | 60.28337 |
| 9 | 35.1 | 0.19 | 0.19 | 0.55 | 35.1023 | 0.5413 | 5 | 2.16988 | 106.7984 | 0.49579 | 0 | 0.4958 | 69.801 | 0.549 | 0.0004 | 6 | 0.6325 | 1.6152 | 1.9933 | 52.8275 |
| 10 | 32 | 0.25 | 0.09 | 0.8 | 32.0011 | 0.7812 | 5 | 2.27944 | 108.5809 | 0.55008 | 0 | 0.5501 | 57.176 | 0.7949 | 0.0002 | 5 | 0.6843 | 1.5647 | 2.1223 | 46.50744 |
| 11 | 37 | 0.23 | 0.09 | 0.62 | 37.0011 | 0.6216 | 5 | 2.17667 | 108.3248 | 0.60424 | 0 | 0.6042 | 60.236 | 0.6319 | 0.0002 | 6 | 0.6579 | 1.4457 | 2.0461 | 49.73061 |
| 12 | 65 | 0.95 | 0.09 | 1.46 | 65.0011 | 1.4615 | 5 | 2.17841 | 120.0774 | 0.66428 | 0 | 0.6643 | 96.852 | 1.4766 | 0.0001 | 5 | 0.6743 | 1.3688 | 2.0813 | 83.22602 |
| 13 | 87 | 0.38 | 0.15 | 0.43 | 87.0018 | 0.4368 | 6 | 1.7771 | 114.0839 | 0.72132 | 0 | 0.7213 | 119.61 | 0.4404 | 0.0001 | 6 | 0.5336 | 1.2268 | 1.7049 | 100.0392 |
| 14 | 80.5 | 0.4 | 0.18 | 0.49 | 80.5022 | 0.4969 | 6 | 1.834 | 114.2699 | 0.77845 | 0 | 0.7785 | 102.41 | 0.5017 | 0.0002 | 6 | 0.5631 | 1.1887 | 1.7752 | 89.56036 |
| 15 | 59.9 | 0.24 | 0.17 | 0.4 | 59.9021 | 0.4007 | 6 | 1.90403 | 109.8113 | 0.83336 | 0 | 0.8334 | 70.88 | 0.4063 | 0.0002 | 6 | 0.5967 | 1.1531 | 1.8566 | 64.37331 |
| 16 | 65.7 | 0.33 | 0.09 | 0.51 | 65.7011 | 0.5023 | 6 | 1.9132 | 112.3668 | 0.88954 | 0 | 0.8895 | 72.859 | 0.5092 | 0.0001 | 6 | 0.609 | 1.1115 | 1.8812 | 68.07994 |
| 17 | 110.9 | 0.53 | 0.09 | 0.48 | 110.901 | 0.4779 | 6 | 1.70591 | 117.1103 | 0.9481 | 0 | 0.9481 | 115.97 | 0.482 | 6E-05 | 6 | 0.5385 | 1.0609 | 1.6893 | 110.2434 |
| 18 | 83.9 | 0.47 | 0.19 | 0.56 | 83.9023 | 0.5602 | 6 | 1.84524 | 115.5508 | 1.00587 | 0 | 1.0059 | 82.412 | 0.567 | 0.0002 | 6 | 0.5991 | 1.0308 | 1.8413 | 80.7565 |
| 19 | 68.4 | 0.45 | 0.12 | 0.66 | 68.4015 | 0.6579 | 6 | 1.95744 | 114.7344 | 1.06324 | 0 | 1.0632 | 63.333 | 0.6683 | 0.0001 | 6 | 0.65 | 0.9969 | 1.968 | 63.44035 |
| 20 | 101.8 | 0.5 | 0.09 | 0.49 | 101.801 | 0.4912 | 6 | 1.7438 | 116.4751 | 1.12148 | 0 | 1.1215 | 89.774 | 0.4966 | 6E-05 | 6 | 0.5747 | 0.9671 | 1.7628 | 92.0228 |
| 21 | 39.5 | 0.31 | 0.13 | 0.79 | 39.5016 | 0.7848 | 5 | 2.20108 | 110.6684 | 1.17681 | 0 | 1.1768 | 32.567 | 0.8089 | 0.0002 | 5 | 0.7627 | 0.9221 | 2.2495 | 33.39872 |
| 22 | 74.9 | 0.33 | 0.09 | 0.44 | 74.9011 | 0.4406 | 6 | 1.83605 | 112.6864 | 1.23316 | 0 | 1.2332 | 59.739 | 0.448 | 9E-05 | 6 | 0.6257 | 0.9087 | 1.8826 | 63.2624 |
| 23 | 69.4 | 0.34 | 0.09 | 0.5 | 69.4011 | 0.4899 | 6 | 1.88713 | 112.7188 | 1.28952 | 0 | 1.2895 | 52.82 | 0.4992 | 0.0001 | 6 | 0.6532 | 0.8788 | 1.9475 | 56.56953 |
| 24 | 60 | 0.31 | 0.09 | 0.52 | 60.0011 | 0.5167 | 6 | 1.95366 | 111.688 | 1.34536 | 0 | 1.3454 | 43.599 | 0.5285 | 0.0001 | 6 | 0.6871 | 0.8479 | 2.0302 | 47.00139 |
| 25 | 56.6 | 0.3 | 0.09 | 0.52 | 56.6011 | 0.53 | 6 | 1.98122 | 111.3058 | 1.40101 | 0 | 1.401 | 39.4 | 0.5435 | 0.0001 | 6 | 0.7056 | 0.8203 | 2.0719 | 42.79426 |
| 26 | 97.9 | 0.49 | 0.04 | 0.5 | 97.9005 | 0.5005 | 6 | 1.76255 | 116.232 | 1.45913 | 0 | 1.4591 | 66.095 | 0.5081 | 3E-05 | 6 | 0.6224 | 0.8187 | 1.8461 | 74.62341 |
| 27 | 102 | 0.51 | 0 | 0.5 | 102 | 0.5 | 6 | 1.74714 | 116.6248 | 1.51744 | 0 | 1.5174 | 66.218 | 0.5076 | 0 | 6 | 0.6227 | 0.7989 | 1.8397 | 75.86853 |
| 28 | 100.9 | 0.5 | 0 | 0.49 | 100.9 | 0.4955 | 6 | 1.74911 | 116.4535 | 1.57567 | 0 | 1.5757 | 63.036 | 0.5034 | 0 | 6 | 0.6302 | 0.7781 | 1.8522 | 73.03662 |
| 29 | 55.3 | 0.37 | -0.05 | 0.67 | 55.2994 | 0.6691 | 6 | 2.04007 | 112.7835 | 1.63206 | 0 | 1.6321 | 32.883 | 0.6894 | -7E-05 | 5 | 0.7584 | 0.7199 | 2.1815 | 36.51362 |
| 30 | 68.2 | 0.35 | 0 | 0.52 | 68.2 | 0.5132 | 6 | 1.90355 | 112.8884 | 1.6885 | 0 | 1.6885 | 39.391 | 0.5262 | 0 | 6 | 0.709 | 0.7179 | 2.045 | 45.12899 |
| 31 | 87.6 | 0.82 | -0.01 | 0.93 | 87.5999 | 0.9361 | 6 | 1.95653 | 119.7284 | 1.74837 | 0 | 1.7484 | 49.104 | 0.9551 | -1E-05 | 5 | 0.7319 | 0.6924 | 2.0976 | 56.18128 |
| 32 | 131.1 | 0.79 | 0 | 0.6 | 131.1 | 0.6026 | 6 | 1.70176 | 120.439 | 1.80859 | 0 | 1.8086 | 71.488 | 0.611 | 0 | 6 | 0.6334 | 0.7121 | 1.8315 | 87.01186 |
| 33 | 145.7 | 0.93 | 0 | 0.64 | 145.7 | 0.6383 | 6 | 1.68001 | 121.8903 | 1.86953 | 0 | 1.8695 | 76.934 | 0.6466 | 0 | 6 | 0.6295 | 0.6989 | 1.8136 | 94.99716 |
| 34 | 117.2 | 0.76 | -0.1 | 0.64 | 117.199 | 0.6485 | 6 | 1.75987 | 119.8824 | 1.92947 | 0 | 1.9295 | 59.741 | 0.6593 | -6E-05 | 6 | 0.6707 | 0.6684 | 1.9144 | 72.80905 |
| 35 | 85.4 | 0.82 | -0.1 | 0.96 | 85.3988 | 0.9602 | 6 | 1.97203 | 119.6663 | 1.98931 | 0 | 1.9893 | 41.929 | 0.9831 | -9E-05 | 5 | 0.7658 | 0.6167 | 2.1565 | 48.61104 |
| 36 | 111.2 | 0.72 | -0.1 | 0.65 | 111.199 | 0.6475 | 6 | 1.77803 | 119.3586 | 2.04899 | 0 | 2.049 | 53.27 | 0.6596 | -7E-05 | 6 | 0.6916 | 0.6331 | 1.9543 | 65.31142 |
| 37 | 114.6 | 0.65 | -0.1 | 0.56 | 114.599 | 0.5672 | 6 | 1.73447 | 118.6837 | 2.10833 | 0 | 2.1083 | 53.355 | 0.5778 | -6E-05 | 6 | 0.6805 | 0.6255 | 1.9176 | 66.50286 |
| 38 | 138.8 | 0.91 | -0.1 | 0.66 | 138.799 | 0.6556 | 6 | 1.7038 | 121.6129 | 2.16913 | 0 | 2.1691 | 62.988 | 0.666 | -5E-05 | 6 | 0.6704 | 0.618 | 1.8835 | 79.80233 |
| 39 | 56.8 | 0.87 | -0.19 | 1.53 | 56.7977 | 1.5318 | 5 | 2.23671 | 119.1047 | 2.22869 | 0 | 2.2287 | 24.485 | 1.5943 | -3E-04 | 5 | 0.9072 | 0.5088 | 2.4961 | 26.23721 |
| 40 | 72 | 0.91 | -0.36 | 1.26 | 71.9956 | 1.264 | 5 | 2.10416 | 120.0119 | 2.28869 | 0 | 2.2887 | 30.457 | 1.3055 | -4E-04 | 5 | 0.855 | 0.5171 | 2.3535 | 34.06232 |
| 41 | 82.5 | 0.94 | -0.28 | 1.14 | 82.4966 | 1.1394 | 6 | 2.02986 | 120.5813 | 2.34898 | 0 | 2.349 | 34.12 | 1.1728 | -3E-04 | 5 | 0.829 | 0.5163 | 2.2778 | 39.10474 |
| 42 | 60.7 | 0.76 | -0.28 | 1.25 | 60.6966 | 1.2521 | 5 | 2.15985 | 118.2776 | 2.40812 | 0 | 2.4081 | 24.205 | 1.3039 | -4E-04 | 5 | 0.8957 | 0.4788 | 2.4455 | 26.37325 |
| 43 | 97.8 | 0.91 | -0.4 | 0.93 | 97.7951 | 0.9305 | 6 | 1.91722 | 120.7589 | 2.4685 | 0 | 2.4685 | 38.617 | 0.9546 | -3E-04 | 5 | 0.7934 | 0.5106 | 2.1693 | 46.00249 |
| 44 | 92.4 | 0.7 | -0.28 | 0.76 | 92.3966 | 0.7576 | 6 | 1.88314 | 118.7007 | 2.52785 | 0 | 2.5279 | 35.551 | 0.7789 | -2E-04 | 5 | 0.7886 | 0.5032 | 2.1489 | 42.7398 |
| 45 | 152.3 | 1.11 | -0.28 | 0.73 | 152.297 | 0.7288 | 6 | 1.70089 | 123.2929 | 2.5895 | 0 | 2.5895 | 57.813 | 0.7415 | -1E-04 | 6 | 0.7088 | 0.5303 | 1.9318 | 75.02362 |
| 46 | 65.7 | 1.72 | -0.38 | 2.62 | 65.6954 | 2.6182 | 5 | 2.34421 | 124.4468 | 2.65172 | 0 | 2.6517 | 23.775 | 2.7283 | -4E-04 | 4 | 0.9924 | 0.4018 | 2.6671 | 23.94138 |
| 47 | 77.1 | 0.95 | -0.39 | 1.23 | 77.0952 | 1.2322 | 5 | 2.07412 | 120.4936 | 2.71197 | 0 | 2.712 | 27.428 | 1.2772 | -4E-04 | 5 | 0.8883 | 0.4334 | 2.3882 | 30.46874 |
| 48 | 46.8 | 1.37 | -0.47 | 2.93 | 46.7943 | 2.9277 | 4 | 2.48447 | 121.9546 | 2.77295 | 0 | 2.773 | 15.875 | 3.1121 | -8E-04 | 3 | 1 | 0.3816 | 2.8433 | 15.87529 |
| 49 | 53.1 | 1.69 | -0.96 | 3.19 | 53.0883 | 3.1834 | 4 | 2.46973 | 123.7984 | 2.83484 | 0 | 2.8348 | 17.727 | 3.363 | -0.001 | 3 | 1 | 0.3733 | 2.8259 | 17.72704 |
| 50 | 115.9 | 0.6 | -0.28 | 0.52 | 115.897 | 0.5177 | 6 | 1.70843 | 118.1255 | 2.89391 | 0 | 2.8939 | 39.048 | 0.531 | -2E-04 | 6 | 0.7519 | 0.4693 | 2.0065 | 50.12022 |
| 51 | 134.9 | 0.87 | -0.28 | 0.65 | 134.897 | 0.6449 | 6 | 1.70934 | 121.2145 | 2.95451 | 0 | 2.9545 | 44.658 | 0.6594 | -2E-04 | 6 | 0.7526 | 0.4617 | 2.0008 | 57.57633 |
| 52 | 176.4 | 1.08 | -0.28 | 0.61 | 176.397 | 0.6123 | 6 | 1.6036 | 123.4508 | 3.01624 | 0 | 3.0162 | 57.482 | 0.6229 | -1E-04 | 6 | 0.7079 | 0.4764 | 1.8756 | 78.05733 |
| 53 | 175.2 | 1.23 | -0.28 | 0.7 | 175.197 | 0.7021 | 6 | 1.64383 | 124.3857 | 3.07843 | 0 | 3.0784 | 55.911 | 0.7146 | -1E-04 | 6 | 0.7295 | 0.4588 | 1.9246 | 74.63781 |
| 54 | 149 | 0.58 | -0.28 | 0.39 | 148.997 | 0.3893 | 6 | 1.54999 | 118.4902 | 3.13768 | 0 | 3.1377 | 46.486 | 0.3976 | -1E-04 | 6 | 0.706 | 0.4642 | 1.8547 | 63.99248 |
| 55 | 134.8 | 0.69 | -0.28 | 0.51 | 134.797 | 0.5119 | 6 | 1.65111 | 119.5166 | 3.19744 | 0 | 3.1974 | 41.158 | 0.5243 | -2E-04 | 6 | 0.7546 | 0.4341 | 1.9755 | 53.98895 |
| 56 | 138.6 | 0.68 | -0.28 | 0.49 | 138.597 | 0.4906 | 6 | 1.63079 | 119.4776 | 3.25717 | 0 | 3.2572 | 41.551 | 0.5024 | -2E-04 | 6 | 0.7516 | 0.4295 | 1.96 | 54.93755 |
| 57 | 36 | 1.35 | -0.28 | 3.76 | 35.9966 | 3.7504 | 4 | 2.64113 | 121.2072 | 3.31778 | 0 | 3.3178 | 9.8496 | 4.1311 | -6E-04 | 3 | 1 | 0.3189 | 3.083 | 9.8496 |
| 58 | 81.1 | 1.71 | -4.12 | 2.11 | 81.0496 | 2.1098 | 5 | 2.21346 | 124.9164 | 3.38024 | 0 | 3.3802 | 22.977 | 2.2016 | -0.004 | 4 | 1 | 0.313 | 2.6247 | 22.97748 |
| 59 | 165.1 | 1.1 | -0.47 | 0.67 | 165.094 | 0.6663 | 6 | 1.64907 | 123.4235 | 3.44195 | 0 | 3.442 | 46.965 | 0.6805 | -2E-04 | 6 | 0.7689 | 0.4038 | 1.9825 | 61.68622 |
| 60 | 148.4 | 0.97 | -0.38 | 0.66 | 148.395 | 0.6537 | 6 | 1.68005 | 122.2432 | 3.50307 | 0 | 3.5031 | 41.362 | 0.6695 | -2E-04 | 6 | 0.7915 | 0.3877 | 2.0343 | 53.08973 |
| 61 | 156.9 | 1.03 | -0.38 | 0.66 | 156.895 | 0.6565 | 6 | 1.66224 | 122.8182 | 3.56448 | 0 | 3.5645 | 43.016 | 0.6718 | -2E-04 | 6 | 0.7881 | 0.384 | 2.0176 | 55.64529 |
| 62 | 183 | 1.09 | -0.46 | 0.6 | 182.994 | 0.5957 | 6 | 1.58368 | 123.6078 | 3.62628 | 0 | 3.6263 | 49.463 | 0.6077 | -2E-04 | 6 | 0.7568 | 0.3937 | 1.9276 | 66.73591 |
| 63 | 149.7 | 0.89 | -0.38 | 0.59 | 149.695 | 0.5945 | 6 | 1.65197 | 121.6347 | 3.6871 | 0 | 3.6871 | 39.6 | 0.6096 | -2E-04 | 6 | 0.7984 | 0.3691 | 2.0293 | 50.93339 |
| 64 | 94.4 | 0.73 | -0.47 | 0.77 | 94.3943 | 0.7734 | 6 | 1.88086 | 119.0599 | 3.74663 | 0 | 3.7466 | 24.194 | 0.8053 | -4E-04 | 5 | 0.9151 | 0.3144 | 2.3298 | 26.93475 |
| 65 | 62 | 1.12 | -0.57 | 1.81 | 61.993 | 1.8067 | 5 | 2.25358 | 121.1664 | 3.80721 | 0 | 3.8072 | 15.283 | 1.9249 | -7E-04 | 4 | 1 | 0.2779 | 2.7364 | 15.28304 |
| 66 | 59.9 | 1.42 | -1.32 | 2.38 | 59.8838 | 2.3713 | 5 | 2.34367 | 122.8185 | 3.86862 | 0 | 3.8686 | 14.479 | 2.535 | -0.002 | 4 | 1 | 0.2735 | 2.8231 | 14.47937 |
| 67 | 30.7 | 1.41 | -0.85 | 4.6 | 30.6896 | 4.5944 | 3 | 2.75191 | 121.1363 | 3.92919 | 0 | 3.9292 | 6.8107 | 5.269 | -0.002 | 3 | 1 | 0.2693 | 3.2746 | 6.81067 |
| 68 | 54.4 | 1.65 | -1.27 | 3.04 | 54.3845 | 3.034 | 4 | 2.44767 | 123.682 | 3.99103 | 0 | 3.991 | 12.627 | 3.2742 | -0.002 | 3 | 1 | 0.2651 | 2.9362 | 12.62666 |
| 69 | 19.8 | 1.08 | -1.33 | 5.46 | 19.7837 | 5.459 | 3 | 2.94321 | 118.1145 | 4.05009 | 0 | 4.0501 | 3.8848 | 6.8643 | -0.006 | 3 | 1 | 0.2613 | 3.5394 | 3.88476 |
| 70 | 59.6 | 1.76 | -1.9 | 2.95 | 59.5767 | 2.9542 | 5 | 2.41124 | 124.3766 | 4.11228 | 0 | 4.1123 | 13.488 | 3.1732 | -0.002 | 3 | 1 | 0.2573 | 2.9051 | 13.48753 |
| 71 | 143.7 | 1 | -0.85 | 0.7 | 143.69 | 0.6959 | 6 | 1.7079 | 122.3875 | 4.17347 | 0 | 4.1735 | 33.429 | 0.7168 | -4E-04 | 5 | 0.8692 | 0.3034 | 2.1554 | 40.0007 |
| 72 | 200.5 | 1.65 | -0.57 | 0.83 | 200.493 | 0.823 | 6 | 1.64651 | 126.8641 | 4.2369 | 0 | 4.2369 | 46.321 | 0.8407 | -2E-04 | 6 | 0.8332 | 0.3148 | 2.0525 | 58.38338 |
| 73 | 204.3 | 1.32 | -0.57 | 0.65 | 204.293 | 0.6461 | 6 | 1.56974 | 125.2772 | 4.29954 | 0 | 4.2995 | 46.515 | 0.66 | -2E-04 | 6 | 0.8091 | 0.3216 | 1.9809 | 60.79147 |
| 74 | 230.4 | 1.53 | -0.47 | 0.67 | 230.394 | 0.6641 | 6 | 1.53876 | 126.6507 | 4.36287 | 0 | 4.3629 | 51.808 | 0.6769 | -2E-04 | 6 | 0.7964 | 0.3236 | 1.9395 | 69.13081 |
| 75 | 218.5 | 1.29 | -0.47 | 0.59 | 218.494 | 0.5904 | 6 | 1.52204 | 125.2729 | 4.4255 | 0 | 4.4255 | 48.372 | 0.6026 | -2E-04 | 6 | 0.799 | 0.3188 | 1.9384 | 64.48951 |
| 76 | 247.1 | 1.43 | -0.38 | 0.58 | 247.095 | 0.5787 | 6 | 1.47612 | 126.3268 | 4.48867 | 0 | 4.4887 | 54.049 | 0.5894 | -1E-04 | 6 | 0.7804 | 0.3238 | 1.8812 | 74.2395 |
| 77 | 150.6 | 1.03 | -0.38 | 0.69 | 150.595 | 0.684 | 6 | 1.68725 | 122.7182 | 4.55003 | 0 | 4.55 | 32.098 | 0.7053 | -2E-04 | 5 | 0.8954 | 0.2709 | 2.1774 | 37.39049 |
| 78 | 116.6 | 1.46 | -0.47 | 1.25 | 116.594 | 1.2522 | 6 | 1.94294 | 124.6468 | 4.61235 | 0 | 4.6124 | 24.279 | 1.3038 | -3E-04 | 5 | 1 | 0.2294 | 2.4757 | 24.27871 |
| 79 | 143.9 | 1.19 | -0.53 | 0.83 | 143.894 | 0.827 | 6 | 1.75503 | 123.6637 | 4.67418 | 0 | 4.6742 | 29.785 | 0.8548 | -3E-04 | 5 | 0.9357 | 0.2491 | 2.2687 | 32.76841 |
| 80 | 129.8 | 1.81 | -0.69 | 1.4 | 129.792 | 1.3945 | 6 | 1.94155 | 126.4807 | 4.73742 | 0 | 4.7374 | 26.397 | 1.4474 | -4E-04 | 5 | 1 | 0.2234 | 2.4703 | 26.39709 |
| 81 | 67.2 | 2.96 | -1.18 | 4.41 | 67.1856 | 4.4057 | 4 | 2.50086 | 128.4737 | 4.80166 | 0 | 4.8017 | 12.992 | 4.7448 | -0.001 | 3 | 1 | 0.2204 | 3.0246 | 12.99216 |
| 82 | 52.5 | 2.49 | -3.98 | 4.75 | 52.4513 | 4.7473 | 4 | 2.59737 | 126.6047 | 4.86496 | 0 | 4.865 | 9.7814 | 5.2326 | -0.006 | 3 | 1 | 0.2175 | 3.1475 | 9.78144 |
| 83 | 116.2 | 1.43 | -3.3 | 1.23 | 116.16 | 1.2311 | 6 | 1.93913 | 124.4858 | 4.9272 | 0 | 4.9272 | 22.575 | 1.2856 | -0.002 | 5 | 1 | 0.2148 | 2.4991 | 22.57516 |
| 84 | 197.3 | 1.06 | -1.38 | 0.54 | 197.283 | 0.5373 | 6 | 1.53022 | 123.5869 | 4.989 | 0 | 4.989 | 38.544 | 0.5512 | -5E-04 | 6 | 0.8614 | 0.263 | 2.0324 | 47.78838 |
| 85 | 108 | 3.21 | -1.04 | 2.97 | 107.987 | 2.9726 | 5 | 2.23644 | 130.2244 | 5.05411 | 0 | 5.0541 | 20.366 | 3.1185 | -7E-04 | 4 | 1 | 0.2094 | 2.7583 | 20.36623 |
| 86 | 110.4 | 2.17 | -1.4 | 1.97 | 110.383 | 1.9659 | 5 | 2.09716 | 127.413 | 5.11782 | 0 | 5.1178 | 20.568 | 2.0615 | -1E-03 | 4 | 1 | 0.2068 | 2.6468 | 20.56835 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 87 | 40.1 | 1.96 | -1.44 | 4.9 | 40.0824 | 4.8899 | 4 | 2.68766 | 124.1975 | 5.17991 | 0 | 5.1799 | 6.738 | 5.6157 | -0.003 | 3 | 1 | 0.2043 | 3.2948 | 6.73804 |
| 88 | 74.1 | 3.74 | -1.47 | 5.05 | 74.082 | 5.0485 | 4 | 2.51765 | 130.4234 | 5.24513 | 0 | 5.2451 | 13.124 | 5.4331 | -0.002 | 3 | 1 | 0.2017 | 3.0584 | 13.12397 |
| 89 | 96.8 | 2.99 | -1.9 | 3.09 | 96.7767 | 3.0896 | 5 | 2.28038 | 129.4376 | 5.30985 | 0 | 5.3099 | 17.226 | 3.2689 | -0.002 | 3 | 1 | 0.1993 | 2.8281 | 17.22591 |
| 90 | 133 | 3.13 | -1.68 | 2.36 | 132.979 | 2.3538 | 5 | 2.10063 | 130.5475 | 5.37512 | 0 | 5.3751 | 23.74 | 2.4529 | -1E-03 | 4 | 1 | 0.1969 | 2.6416 | 23.73981 |
| 91 | 83.6 | 3.46 | -1.71 | 4.14 | 83.5791 | 4.1398 | 4 | 2.41806 | 130.1482 | 5.44019 | 0 | 5.4402 | 14.363 | 4.428 | -0.002 | 3 | 1 | 0.1945 | 2.9718 | 14.36325 |
| 92 | 35.2 | 1.99 | -2.75 | 5.66 | 35.1663 | 5.6588 | 3 | 2.77271 | 123.9895 | 5.50219 | 0 | 5.5022 | 5.3913 | 6.7084 | -0.007 | 3 | 1 | 0.1923 | 3.4186 | 5.39134 |
| 93 | 58.5 | 3.96 | -2.75 | 6.77 | 58.4663 | 6.7731 | 3 | 2.6815 | 130.2643 | 5.56732 | 0 | 5.5673 | 9.5017 | 7.486 | -0.004 | 3 | 1 | 0.1901 | 3.2553 | 9.5017 |
| 94 | 50.8 | 3.35 | -2.66 | 6.59 | 50.7674 | 6.5987 | 3 | 2.71288 | 128.6959 | 5.63167 | 0 | 5.6317 | 8.0146 | 7.4221 | -0.004 | 3 | 1 | 0.1879 | 3.3099 | 8.01464 |
| 95 | 35.2 | 2.22 | -2.66 | 6.31 | 35.1674 | 6.3127 | 3 | 2.80668 | 124.7898 | 5.69406 | 0 | 5.6941 | 5.1762 | 7.5322 | -0.007 | 3 | 1 | 0.1858 | 3.463 | 5.17616 |
| 96 | 44.9 | 3.41 | -2.63 | 7.59 | 44.8678 | 7.6001 | 3 | 2.79439 | 128.5245 | 5.75833 | 0 | 5.7583 | 6.7918 | 8.7191 | -0.005 | 3 | 1 | 0.1838 | 3.4098 | 6.79182 |
| 97 | 32.9 | 2.34 | -2.56 | 7.13 | 32.8687 | 7.1192 | 3 | 2.86469 | 125.0102 | 5.82083 | 0 | 5.8208 | 4.6467 | 8.6513 | -0.007 | 2 | 1 | 0.1818 | 3.5368 | 4.64673 |
| 98 | 29.1 | 1.7 | -2.56 | 5.85 | 29.0687 | 5.8482 | 3 | 2.84142 | 122.3726 | 5.88202 | 0 | 5.882 | 3.942 | 7.3318 | -0.008 | 2 | 1 | 0.1799 | 3.551 | 3.94196 |
| 99 | 45.3 | 3.15 | -2.43 | 6.96 | 45.2703 | 6.9582 | 3 | 2.76311 | 127.9659 | 5.946 | 0 | 5.946 | 6.6136 | 8.0103 | -0.004 | 3 | 1 | 0.178 | 3.3956 | 6.61357 |
| 100 | 42.6 | 2.81 | -2.28 | 6.61 | 42.5721 | 6.6006 | 3 | 2.76399 | 126.9803 | 6.00949 | 0 | 6.0095 | 6.0841 | 7.6855 | -0.004 | 3 | 1 | 0.1761 | 3.4128 | 6.08414 |
| 101 | 64.1 | 3.64 | -2.18 | 5.67 | 64.0733 | 5.681 | 4 | 2.59754 | 129.8711 | 6.07443 | 0 | 6.0744 | 9.5481 | 6.276 | -0.003 | 3 | 1 | 0.1742 | 3.2049 | 9.54805 |
| 102 | 141.7 | 1.66 | -2.28 | 1.17 | 141.672 | 1.1717 | 6 | 1.86155 | 126.0614 | 6.13746 | 0 | 6.1375 | 22.083 | 1.2248 | -0.001 | 5 | 1 | 0.1724 | 2.4961 | 22.0832 |
| 103 | 29.3 | 1.67 | -1.42 | 5.68 | 29.2826 | 5.703 | 3 | 2.83151 | 122.2602 | 6.19859 | 0 | 6.1986 | 3.7241 | 7.2344 | -0.004 | 2 | 1 | 0.1707 | 3.5676 | 3.72408 |
| 104 | 31.7 | 2.2 | -1.42 | 6.95 | 31.6826 | 6.9439 | 3 | 2.86794 | 124.4691 | 6.26082 | 0 | 6.2608 | 4.0605 | 8.654 | -0.004 | 2 | 1 | 0.169 | 3.5835 | 4.06046 |
| 105 | 27.2 | 1.71 | -1.42 | 6.28 | 27.1826 | 6.2908 | 3 | 2.8844 | 122.2519 | 6.32195 | 0 | 6.322 | 3.2997 | 8.1972 | -0.005 | 2 | 1 | 0.1674 | 3.642 | 3.29972 |
| 106 | 31.6 | 1.47 | -1.33 | 4.65 | 31.5837 | 4.6543 | 3 | 2.74669 | 121.5113 | 6.3827 | 0 | 6.3827 | 3.9483 | 5.8331 | -0.004 | 3 | 1 | 0.1658 | 3.493 | 3.94833 |
| 107 | 120.8 | 2.73 | -1.42 | 2.26 | 120.783 | 2.2603 | 5 | 2.11499 | 129.3124 | 6.44736 | 0 | 6.4474 | 17.734 | 2.3877 | -9E-04 | 4 | 1 | 0.1641 | 2.7363 | 17.73366 |
| 108 | 164.2 | 1.31 | -1.23 | 0.8 | 164.185 | 0.7979 | 6 | 1.7015 | 124.6885 | 6.5097 | 0 | 6.5097 | 24.222 | 0.8308 | -6E-04 | 5 | 1 | 0.1625 | 2.3768 | 24.22157 |
| 109 | 152.5 | 2.61 | -1.04 | 1.71 | 152.487 | 1.7116 | 6 | 1.95752 | 129.552 | 6.57448 | 0 | 6.5745 | 22.194 | 1.7887 | -5E-04 | 4 | 1 | 0.1609 | 2.5843 | 22.19382 |
| 110 | 141.3 | 2.71 | -0.78 | 1.92 | 141.29 | 1.918 | 5 | 2.01644 | 129.6411 | 6.6393 | 0 | 6.6393 | 20.281 | 2.0126 | -4E-04 | 4 | 1 | 0.1594 | 2.6458 | 20.28093 |
| 111 | 148.1 | 2.46 | -0.71 | 1.66 | 148.091 | 1.6611 | 6 | 1.95646 | 129.0475 | 6.70382 | 0 | 6.7038 | 21.091 | 1.7399 | -4E-04 | 4 | 1 | 0.1578 | 2.5958 | 21.09058 |
| 112 | 209.4 | 2.12 | -0.02 | 1.01 | 209.4 | 1.0124 | 6 | 1.69668 | 128.8041 | 6.76822 | 0 | 6.7682 | 29.939 | 1.0462 | -1E-05 | 5 | 1 | 0.1563 | 2.3477 | 29.93865 |
| 113 | 129.4 | 4.56 | -0.43 | 3.53 | 129.395 | 3.5241 | 8 | 2.24368 | 133.2341 | 6.83484 | 0 | 6.8348 | 17.932 | 3.7206 | -3E-04 | 3 | 1 | 0.1548 | 2.8493 | 17.93164 |
| 114 | 166.5 | 2.89 | -2.47 | 1.73 | 166.47 | 1.7361 | 6 | 1.93684 | 130.5116 | 6.9001 | 0 | 6.9001 | 23.126 | 1.8111 | -0.001 | 4 | 1 | 0.1534 | 2.5728 | 23.12571 |
| 115 | 79.1 | 3.48 | -0.06 | 4.4 | 79.0993 | 4.3995 | 4 | 2.4537 | 130.056 | 6.96513 | 0 | 6.9651 | 10.356 | 4.8244 | -6E-05 | 3 | 1 | 0.1519 | 3.1063 | 10.35647 |
| 116 | 58 | 3.41 | -0.1 | 5.88 | 57.9988 | 5.8794 | 3 | 2.63708 | 129.1506 | 7.0297 | 0 | 7.0297 | 7.2505 | 6.6903 | -1E-04 | 3 | 1 | 0.1505 | 3.3157 | 7.25053 |
| 117 | 49.5 | 2.77 | -0.19 | 5.6 | 49.4977 | 5.5962 | 3 | 2.66691 | 127.243 | 7.09332 | 0 | 7.0933 | 5.9781 | 6.5324 | -3E-04 | 3 | 1 | 0.1492 | 3.3758 | 5.97807 |
| 118 | 52.6 | 3.2 | -0.38 | 6.09 | 52.5954 | 6.0842 | 3 | 2.67627 | 128.447 | 7.15755 | 0 | 7.1576 | 6.3482 | 7.0426 | -6E-04 | 3 | 1 | 0.1478 | 3.375 | 6.34824 |
| 119 | 148.5 | 3.74 | -0.6 | 2.52 | 148.493 | 2.5186 | 5 | 2.09238 | 132.1194 | 7.22361 | 0 | 7.2236 | 19.557 | 2.6474 | -3E-04 | 4 | 1 | 0.1465 | 2.7287 | 19.55658 |
| 120 | 175.8 | 1.52 | -0.66 | 0.87 | 175.792 | 0.8647 | 6 | 1.70283 | 125.943 | 7.28658 | 0 | 7.2866 | 23.125 | 0.9021 | -3E-04 | 5 | 1 | 0.1452 | 2.4116 | 23.12545 |
| 121 | 211.7 | 1.98 | -0.34 | 0.93 | 211.696 | 0.9353 | 6 | 1.66868 | 128.3308 | 7.35074 | 0 | 7.3507 | 27.799 | 0.969 | -1E-04 | 5 | 1 | 0.144 | 2.3579 | 27.79925 |
| 122 | 253.1 | 1.95 | -0.28 | 0.77 | 253.097 | 0.7705 | 6 | 1.55425 | 128.6547 | 7.41507 | 0 | 7.4151 | 33.133 | 0.7937 | -8E-05 | 5 | 1 | 0.1427 | 2.2484 | 33.13273 |
| 123 | 338.9 | 3.1 | -0.28 | 0.91 | 338.897 | 0.9147 | 6 | 1.52501 | 132.7587 | 7.48145 | 0 | 7.4815 | 44.298 | 0.9354 | -6E-05 | 5 | 1 | 0.1414 | 2.1781 | 44.29825 |
| 124 | 271.5 | 2.5 | -0.47 | 0.92 | 271.494 | 0.9208 | 6 | 1.58982 | 130.6439 | 7.54677 | 0 | 7.5468 | 34.975 | 0.9472 | -1E-04 | 5 | 1 | 0.1402 | 2.2676 | 34.97489 |
| 125 | 269.3 | 2.27 | -0.57 | 0.84 | 269.293 | 0.843 | 6 | 1.56384 | 129.9178 | 7.61173 | 0 | 7.6117 | 34.379 | 0.8675 | -2E-04 | 5 | 1 | 0.139 | 2.2541 | 34.37869 |
| 126 | 311.9 | 2.61 | -0.66 | 0.84 | 311.892 | 0.8368 | 6 | 1.51877 | 131.2972 | 7.67738 | 0 | 7.6774 | 39.625 | 0.858 | -2E-04 | 5 | 1 | 0.1378 | 2.1989 | 39.62479 |
| 127 | 371.5 | 2.99 | -0.95 | 0.81 | 371.488 | 0.8049 | 6 | 1.45675 | 132.7183 | 7.74374 | 0 | 7.7437 | 46.973 | 0.822 | -2E-04 | 5 | 1 | 0.1366 | 2.1263 | 46.97275 |
| 128 | 397.2 | 3.44 | -1.23 | 0.87 | 397.185 | 0.8661 | 6 | 1.46354 | 133.9072 | 7.81069 | 0 | 7.8107 | 49.851 | 0.8835 | -2E-04 | 5 | 1 | 0.1355 | 2.1216 | 49.85145 |
| 129 | 382.5 | 2.89 | -1.42 | 0.76 | 382.483 | 0.7556 | 6 | 1.42753 | 132.5405 | 7.87696 | 0 | 7.877 | 47.557 | 0.7715 | -3E-04 | 5 | 1 | 0.1343 | 2.1072 | 47.55713 |
| 130 | 359.9 | 3.51 | -1.72 | 0.98 | 359.879 | 0.9753 | 6 | 1.53055 | 133.8141 | 7.94387 | 0 | 7.9439 | 44.303 | 0.9973 | -4E-04 | 5 | 1 | 0.1332 | 2.1934 | 44.30273 |
| 131 | 303.8 | 3.26 | -2.11 | 1.07 | 303.774 | 1.0732 | 6 | 1.60881 | 132.8601 | 8.0103 | 0 | 8.0103 | 36.923 | 1.1022 | -5E-04 | 5 | 1 | 0.1321 | 2.2833 | 36.92295 |
| 132 | 166.4 | 5.2 | -2.46 | 3.13 | 166.37 | 3.1256 | 8 | 2.13604 | 134.8081 | 8.0777 | 0 | 8.0777 | 19.596 | 3.2851 | -0.001 | 4 | 1 | 0.131 | 2.7854 | 19.59619 |
| 133 | 206.4 | 4.72 | -5.57 | 2.29 | 206.332 | 2.2876 | 6 | 1.97148 | 134.6245 | 8.14501 | 0 | 8.145 | 24.332 | 2.3816 | -0.002 | 4 | 1 | 0.1299 | 2.6253 | 24.33228 |
| 134 | 252.5 | 2.55 | -2.37 | 1.01 | 252.471 | 1.01 | 6 | 1.64077 | 130.6116 | 8.21032 | 0 | 8.2103 | 29.75 | 1.044 | -7E-04 | 5 | 1 | 0.1289 | 2.3496 | 29.75044 |
| 135 | 239.7 | 2.29 | -2.43 | 0.96 | 239.67 | 0.9555 | 6 | 1.63816 | 129.6978 | 8.27517 | 0 | 8.2752 | 27.963 | 0.9897 | -8E-04 | 5 | 1 | 0.1279 | 2.3604 | 27.96258 |
| 136 | 82.5 | 2.88 | -1.9 | 3.49 | 82.4767 | 3.4919 | 5 | 2.36624 | 128.7733 | 8.33956 | 0 | 8.3396 | 8.8898 | 3.8847 | -0.002 | 3 | 1 | 0.1269 | 3.1032 | 8.88982 |
| 137 | 114 | 4.76 | -5.41 | 4.18 | 113.934 | 4.1779 | 9 | 2.33594 | 133.2378 | 8.40618 | 0 | 8.4062 | 12.554 | 4.5107 | -0.004 | 3 | 1 | 0.1259 | 3.0225 | 12.55358 |
| 138 | 91.3 | 5.13 | -5.88 | 5.63 | 91.228 | 5.6233 | 9 | 2.49705 | 133.2435 | 8.4728 | 0 | 8.4728 | 9.7672 | 6.199 | -0.005 | 3 | 1 | 0.1249 | 3.1939 | 9.76717 |
| 139 | 71.8 | 3.95 | -5.79 | 5.51 | 71.7291 | 5.5068 | 9 | 2.55557 | 130.7444 | 8.53817 | 0 | 8.5382 | 7.401 | 6.2509 | -0.007 | 3 | 1 | 0.1239 | 3.2906 | 7.401 |
| 140 | 73.9 | 3.9 | -5.88 | 5.28 | 73.828 | 5.2826 | 9 | 2.53368 | 130.7215 | 8.60353 | 0 | 8.6035 | 7.5811 | 5.9794 | -0.006 | 3 | 1 | 0.123 | 3.2705 | 7.58113 |
| 141 | 69.2 | 3.86 | -5.93 | 5.58 | 69.1274 | 5.5839 | 4 | 2.5705 | 130.4857 | 8.66877 | 0 | 8.6688 | 6.9743 | 6.3845 | -0.007 | 3 | 1 | 0.1221 | 3.3166 | 6.9743 |
| 142 | 83.6 | 4.91 | -6.07 | 5.88 | 83.5257 | 5.8784 | 9 | 2.53586 | 132.7076 | 8.73513 | 0 | 8.7351 | 8.5621 | 6.565 | -0.006 | 3 | 1 | 0.1211 | 3.2541 | 8.56205 |
| 143 | 155.4 | 5.36 | -6.19 | 3.45 | 155.324 | 3.4509 | 8 | 2.18835 | 134.8623 | 8.80256 | 0 | 8.8026 | 16.645 | 3.6582 | -0.003 | 3 | 1 | 0.1202 | 2.87 | 16.64535 |
| 144 | 157.9 | 4.33 | -5.35 | 2.75 | 157.835 | 2.7434 | 5 | 2.10485 | 133.34 | 8.86923 | 0 | 8.8692 | 16.796 | 2.9067 | -0.003 | 4 | 1 | 0.1193 | 2.8059 | 16.79575 |
| 145 | 270.8 | 3.85 | -2.19 | 1.42 | 270.773 | 1.4219 | 6 | 1.73563 | 133.7967 | 8.93613 | 0 | 8.9361 | 29.301 | 1.4704 | -6E-04 | 5 | 1 | 0.1184 | 2.4367 | 29.30096 |
| 146 | 301 | 4.44 | -1.71 | 1.48 | 300.979 | 1.4752 | 6 | 1.7208 | 135.0979 | 9.00368 | 0 | 9.0037 | 32.428 | 1.5207 | -4E-04 | 5 | 1 | 0.1175 | 2.4091 | 32.42847 |
| 147 | 360.6 | 2.86 | -1.52 | 0.79 | 360.581 | 0.7932 | 6 | 1.46011 | 132.3203 | 9.06984 | 0 | 9.0698 | 38.756 | 0.8136 | -3E-04 | 5 | 1 | 0.1167 | 2.1951 | 38.75611 |
| 148 | 286.4 | 4.26 | -1.61 | 1.49 | 286.38 | 1.4875 | 6 | 1.73653 | 134.6738 | 9.13717 | 0 | 9.1372 | 30.342 | 1.5366 | -4E-04 | 5 | 1 | 0.1158 | 2.4352 | 30.34233 |
| 149 | 356.2 | 3.18 | -1.52 | 0.89 | 356.181 | 0.8928 | 6 | 1.50321 | 133.0664 | 9.20371 | 0 | 9.2037 | 37.7 | 0.9165 | -3E-04 | 5 | 1 | 0.115 | 2.2324 | 37.69978 |
| 150 | 430 | 3.53 | -1.52 | 0.82 | 429.981 | 0.821 | 6 | 1.42413 | 134.2897 | 9.27085 | 0 | 9.2709 | 45.38 | 0.8391 | -3E-04 | 5 | 1 | 0.1141 | 2.1438 | 45.37993 |

| | CPT-7 | In situ data | | | | | | | | | | Basic output data | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth (ft) | qc (tsf) | fs (tsf) | u (psi) | Other | qt (tsf) | Rf(%) | SBT | Ic SBT | ã (pcf) | ó,v (tsf) | u0 (tsf) | ó',vo (tsf) | Qt1 | Fr (%) | Bq | SBTn | n | Cn | Ic | Qtn |
| 1 | 78.8 | 0.42 | -0.1 | 0.53 | 78.7988 | 0.533 | 6 | 1.8574 | 114.5747 | 0.05729 | 0 | 0.0573 | 1374.5 | 0.5334 | -9E-05 | 6 | 0.4647 | 2 | 1.6062 | 148.8345 |
| 2 | 48.4 | 0.26 | -0.1 | 0.54 | 48.3988 | 0.5372 | 6 | 2.04396 | 109.8769 | 0.11223 | 0 | 0.1122 | 430.26 | 0.5385 | -2E-04 | 6 | 0.5351 | 2 | 1.7843 | 91.26961 |
| 3 | 60.3 | 0.31 | -0.19 | 0.51 | 60.2977 | 0.5141 | 6 | 1.95076 | 111.7 | 0.16808 | 0 | 0.1681 | 357.75 | 0.5156 | -2E-04 | 6 | 0.5034 | 2 | 1.694 | 113.6549 |
| 4 | 47.9 | 0.29 | -0.29 | 0.6 | 47.8965 | 0.6055 | 5 | 2.07259 | 110.6504 | 0.2234 | 0 | 0.2234 | 213.4 | 0.6083 | -4E-04 | 6 | 0.5531 | 2 | 1.8177 | 90.10999 |
| 5 | 52.3 | 0.19 | -0.26 | 0.37 | 52.2968 | 0.3633 | 6 | 1.9399 | 107.7708 | 0.27729 | 0 | 0.2773 | 187.6 | 0.3653 | -4E-04 | 6 | 0.5035 | 1.9626 | 1.6791 | 96.48758 |
| 6 | 49 | 0.19 | -0.34 | 0.39 | 48.9958 | 0.3878 | 6 | 1.97727 | 107.6117 | 0.33109 | 0 | 0.3311 | 146.98 | 0.3904 | -5E-04 | 6 | 0.5287 | 1.8482 | 1.7412 | 85.00435 |
| 7 | 64.1 | 0.59 | -0.29 | 0.92 | 64.0965 | 0.9205 | 5 | 2.06161 | 116.5579 | 0.38937 | 0 | 0.3894 | 163.62 | 0.9261 | -3E-04 | 6 | 0.5788 | 1.7836 | 1.8652 | 107.3855 |
| 8 | 64.1 | 0.25 | -0.38 | 0.39 | 64.0954 | 0.39 | 6 | 1.8725 | 110.275 | 0.44451 | 0 | 0.4445 | 143.19 | 0.3928 | -4E-04 | 6 | 0.519 | 1.5685 | 1.7025 | 94.35579 |
| 9 | 57.8 | 0.39 | -0.48 | 0.67 | 57.7941 | 0.6748 | 6 | 2.02555 | 113.2764 | 0.50115 | 0 | 0.5012 | 114.32 | 0.6807 | -6E-04 | 6 | 0.586 | 1.5495 | 1.8707 | 83.90236 |
| 10 | 49 | 0.39 | -0.48 | 0.8 | 48.9941 | 0.796 | 5 | 2.12421 | 112.8735 | 0.55758 | 0 | 0.5576 | 86.869 | 0.8052 | -7E-04 | 6 | 0.632 | 1.4991 | 1.984 | 68.623 |
| 11 | 50.4 | 0.27 | -0.48 | 0.53 | 50.3941 | 0.5358 | 6 | 2.0279 | 110.2515 | 0.61271 | 0 | 0.6127 | 81.248 | 0.5424 | -7E-04 | 6 | 0.6062 | 1.3926 | 1.9092 | 65.51889 |
| 12 | 50.6 | 0.71 | -0.65 | 1.4 | 50.592 | 1.4034 | 5 | 2.25275 | 117.3355 | 0.67138 | 0 | 0.6714 | 74.356 | 1.4223 | -9E-04 | 5 | 0.7017 | 1.3761 | 2.1524 | 64.92099 |
| 13 | 84.6 | 0.42 | -0.67 | 0.49 | 84.5918 | 0.4965 | 6 | 1.81522 | 114.7477 | 0.72875 | 0 | 0.7288 | 115.08 | 0.5008 | -6E-04 | 6 | 0.5489 | 1.2272 | 1.7442 | 97.26091 |
| 14 | 43.4 | 0.48 | -0.67 | 1.1 | 43.3918 | 1.1062 | 5 | 2.24637 | 114.0966 | 0.7858 | 0 | 0.7858 | 54.22 | 1.1266 | -0.001 | 5 | 0.7182 | 1.2382 | 2.1814 | 49.85932 |
| 15 | 42 | 0.46 | -0.76 | 1.09 | 41.9907 | 1.0955 | 5 | 2.2558 | 113.7051 | 0.84265 | 0 | 0.8427 | 48.832 | 1.1179 | -0.001 | 5 | 0.7315 | 1.1812 | 2.2084 | 45.93575 |
| 16 | 51.4 | 0.64 | -0.86 | 1.25 | 51.3895 | 1.2454 | 5 | 2.21618 | 116.6141 | 0.90096 | 0 | 0.901 | 56.039 | 1.2676 | -0.001 | 5 | 0.7257 | 1.1238 | 2.1864 | 53.62102 |
| 17 | 100 | 0.96 | -0.86 | 0.96 | 99.9895 | 0.9601 | 6 | 1.91816 | 121.2044 | 0.96156 | 0 | 0.9616 | 102.99 | 0.9694 | -6E-04 | 6 | 0.6209 | 1.0612 | 1.904 | 99.31828 |
| 18 | 108.8 | 0.78 | -0.86 | 0.71 | 108.789 | 0.717 | 6 | 1.81172 | 119.8908 | 1.02151 | 0 | 1.0215 | 105.5 | 0.7238 | -6E-04 | 6 | 0.588 | 1.0209 | 1.8102 | 103.9798 |
| 19 | 105.5 | 0.89 | -0.86 | 0.84 | 105.489 | 0.8437 | 6 | 1.86508 | 120.781 | 1.0819 | 0 | 1.0819 | 96.504 | 0.8524 | -6E-04 | 6 | 0.6159 | 0.9864 | 1.8761 | 97.33183 |
| 20 | 98.8 | 0.68 | -0.86 | 0.69 | 98.7895 | 0.6883 | 6 | 1.83532 | 118.6518 | 1.14122 | 0 | 1.1412 | 85.565 | 0.6964 | -6E-04 | 6 | 0.6122 | 0.9548 | 1.8588 | 88.11105 |
| 21 | 105.3 | 0.7 | -1.05 | 0.66 | 105.287 | 0.6649 | 6 | 1.80403 | 119.0192 | 1.20073 | 0 | 1.2007 | 86.686 | 0.6725 | -7E-04 | 6 | 0.6072 | 0.9261 | 1.8383 | 91.0997 |
| 22 | 103.4 | 0.8 | -1.05 | 0.77 | 103.387 | 0.7738 | 6 | 1.84923 | 119.9519 | 1.26071 | 0 | 1.2607 | 81.007 | 0.7833 | -7E-04 | 6 | 0.6319 | 0.8952 | 1.8954 | 86.40318 |
| 23 | 106.3 | 0.78 | -1.05 | 0.74 | 106.287 | 0.7339 | 6 | 1.82585 | 119.8341 | 1.32063 | 0 | 1.3206 | 79.482 | 0.7431 | -7E-04 | 6 | 0.6297 | 0.8698 | 1.8825 | 86.2815 |
| 24 | 115.6 | 1.07 | -1.14 | 0.92 | 115.586 | 0.9257 | 6 | 1.85938 | 122.3517 | 1.3818 | 0 | 1.3818 | 82.649 | 0.9369 | -7E-04 | 6 | 0.6488 | 0.841 | 1.9252 | 90.77037 |
| 25 | 121.8 | 1.01 | -1.14 | 0.83 | 121.786 | 0.8293 | 6 | 1.81157 | 122.0569 | 1.44283 | 0 | 1.4428 | 83.408 | 0.8393 | -7E-04 | 6 | 0.6369 | 0.8208 | 1.8863 | 93.34956 |
| 26 | 123 | 1 | -1.14 | 0.81 | 122.986 | 0.8131 | 6 | 1.80287 | 122.008 | 1.50383 | 0 | 1.5038 | 80.782 | 0.8232 | -7E-04 | 6 | 0.6402 | 0.7985 | 1.8875 | 91.67224 |
| 27 | 139.8 | 1 | -1.24 | 0.72 | 139.785 | 0.7154 | 6 | 1.72471 | 122.3203 | 1.56499 | 0 | 1.565 | 88.32 | 0.7235 | -7E-04 | 6 | 0.6153 | 0.786 | 1.8145 | 102.6698 |
| 28 | 115.9 | 0.86 | -1.24 | 0.74 | 115.885 | 0.7421 | 6 | 1.79874 | 120.7594 | 1.62537 | 0 | 1.6254 | 70.297 | 0.7527 | -8E-04 | 6 | 0.6529 | 0.7556 | 1.9055 | 81.59276 |
| 29 | 145.7 | 1.11 | -1.24 | 0.76 | 145.685 | 0.7619 | 6 | 1.72803 | 123.1847 | 1.68697 | 0 | 1.687 | 85.359 | 0.7708 | -6E-04 | 6 | 0.629 | 0.7457 | 1.8351 | 101.4879 |
| 30 | 129.8 | 0.71 | -1.42 | 0.54 | 129.783 | 0.5471 | 6 | 1.68103 | 119.6332 | 1.74678 | 0 | 1.7468 | 73.298 | 0.5545 | -8E-04 | 6 | 0.6191 | 0.7332 | 1.8015 | 88.72137 |
| 31 | 178 | 1.29 | -1.14 | 0.73 | 177.986 | 0.7248 | 6 | 1.64765 | 124.7727 | 1.80917 | 0 | 1.8092 | 97.38 | 0.7322 | -5E-04 | 6 | 0.6074 | 0.722 | 1.7632 | 120.207 |
| 32 | 141.6 | 1.19 | -1.06 | 0.84 | 141.587 | 0.8405 | 6 | 1.76492 | 123.6243 | 1.87098 | 0 | 1.871 | 74.675 | 0.8517 | -6E-04 | 6 | 0.6628 | 0.6854 | 1.9009 | 90.50034 |
| 33 | 178.7 | 2.23 | -1.18 | 1.25 | 178.686 | 1.248 | 6 | 1.80999 | 128.7873 | 1.93537 | 0 | 1.9354 | 91.326 | 1.2617 | -5E-04 | 6 | 0.6822 | 0.6624 | 1.9439 | 110.6468 |
| 34 | 142 | 1.24 | -1.24 | 0.88 | 141.985 | 0.8733 | 6 | 1.77485 | 123.9323 | 1.99734 | 0 | 1.9973 | 70.087 | 0.8858 | -6E-04 | 6 | 0.6796 | 0.6494 | 1.9292 | 85.91072 |
| 35 | 126.5 | 1.26 | -1.33 | 1 | 126.484 | 0.9962 | 6 | 1.85024 | 123.7674 | 2.05922 | 0 | 2.0592 | 60.423 | 1.0127 | -8E-04 | 6 | 0.7175 | 0.6202 | 2.021 | 72.92824 |
| 36 | 93.9 | 1.02 | -1.54 | 1.08 | 93.8812 | 1.0865 | 6 | 1.9733 | 121.4943 | 2.11997 | 0 | 2.12 | 43.284 | 1.1116 | -0.001 | 5 | 0.7785 | 0.5822 | 2.1735 | 50.48829 |
| 37 | 89.9 | 1.18 | -1.62 | 1.31 | 89.8802 | 1.3129 | 5 | 2.04086 | 122.4542 | 2.1812 | 0 | 2.1812 | 40.207 | 1.3455 | -0.001 | 5 | 0.8123 | 0.5557 | 2.2547 | 46.05514 |
| 38 | 70.9 | 0.96 | -1.9 | 1.35 | 70.8767 | 1.3545 | 5 | 2.1284 | 120.3651 | 2.24138 | 0 | 2.2414 | 30.622 | 1.3987 | -0.002 | 5 | 0.8594 | 0.5246 | 2.371 | 34.03052 |
| 39 | 66.6 | 1.19 | -1.79 | 1.79 | 66.5781 | 1.7874 | 5 | 2.22718 | 121.784 | 2.30227 | 0 | 2.3023 | 27.918 | 1.8514 | -0.002 | 5 | 0.9071 | 0.494 | 2.4867 | 30.00874 |
| 40 | 46.8 | 1.58 | -1.91 | 3.39 | 46.7766 | 3.3778 | 4 | 2.52715 | 122.9972 | 2.36377 | 0 | 2.3638 | 18.789 | 3.5575 | -0.003 | 3 | 1 | 0.4476 | 2.8213 | 18.78897 |
| 41 | 74.1 | 1.3 | -2.03 | 1.76 | 74.0752 | 1.755 | 5 | 2.18729 | 122.6912 | 2.42512 | 0 | 2.4251 | 29.545 | 1.8144 | -0.002 | 5 | 0.9024 | 0.4731 | 2.4587 | 32.0351 |
| 42 | 84.2 | 1.08 | -1.9 | 1.28 | 84.1767 | 1.283 | 5 | 2.05597 | 121.6464 | 2.48594 | 0 | 2.4859 | 32.861 | 1.3221 | -0.002 | 5 | 0.8534 | 0.4824 | 2.3249 | 37.2434 |
| 43 | 124 | 2.08 | -1.85 | 1.68 | 123.977 | 1.6777 | 5 | 2.0126 | 127.3863 | 2.54963 | 0 | 2.5496 | 47.626 | 1.713 | -0.001 | 5 | 0.8309 | 0.4815 | 2.2579 | 55.26042 |
| 44 | 93.1 | 1.3 | -1.33 | 1.4 | 93.0837 | 1.3966 | 5 | 2.0472 | 123.2483 | 2.61126 | 0 | 2.6113 | 34.647 | 1.4369 | -0.001 | 5 | 0.8602 | 0.4598 | 2.327 | 39.31161 |
| 45 | 109.6 | 1.24 | -1.33 | 1.13 | 109.584 | 1.1316 | 6 | 1.93356 | 123.3005 | 2.67291 | 0 | 2.6729 | 39.998 | 1.1599 | -9E-04 | 5 | 0.8174 | 0.4689 | 2.2068 | 47.37258 |
| 46 | 137.4 | 1.05 | -1.43 | 0.76 | 137.383 | 0.7643 | 6 | 1.74858 | 122.635 | 2.73423 | 0 | 2.7342 | 49.245 | 0.7798 | -8E-04 | 6 | 0.7449 | 0.493 | 2.0084 | 62.73996 |
| 47 | 58.7 | 1.21 | -1.71 | 2.07 | 58.6791 | 2.0621 | 5 | 2.3094 | 121.5979 | 2.79502 | 0 | 2.795 | 19.994 | 2.1652 | -0.002 | 4 | 0.999 | 0.3789 | 2.6689 | 20.01283 |
| 48 | 69.3 | 1.19 | -1.32 | 1.72 | 69.2838 | 1.7176 | 5 | 2.20276 | 121.8812 | 2.85597 | 0 | 2.856 | 23.259 | 1.7914 | -0.001 | 4 | 0.9584 | 0.3861 | 2.5533 | 24.23927 |
| 49 | 106.5 | 1.27 | -1.43 | 1.19 | 106.483 | 1.1927 | 6 | 1.95801 | 123.4054 | 2.91767 | 0 | 2.9177 | 35.496 | 1.2263 | -1E-03 | 5 | 0.8532 | 0.4209 | 2.2702 | 41.19649 |
| 50 | 141.3 | 1.44 | -1.24 | 1.02 | 141.285 | 1.0192 | 6 | 1.82103 | 125.0144 | 2.98018 | 0 | 2.9802 | 46.408 | 1.0412 | -7E-04 | 5 | 0.7961 | 0.4385 | 2.1122 | 57.32129 |
| 51 | 130.1 | 1.29 | -1.33 | 0.99 | 130.084 | 0.9917 | 6 | 1.83978 | 124.0081 | 3.04218 | 0 | 3.0422 | 41.76 | 1.0154 | -8E-04 | 5 | 0.8126 | 0.4239 | 2.148 | 50.89835 |
| 52 | 189.7 | 1.64 | -0.97 | 0.86 | 189.688 | 0.8646 | 6 | 1.6787 | 126.6845 | 3.10552 | 0 | 3.1055 | 60.081 | 0.879 | -4E-04 | 6 | 0.7423 | 0.4497 | 1.955 | 79.29633 |
| 53 | 150.1 | 1.38 | -1.06 | 0.92 | 150.087 | 0.9195 | 6 | 1.77155 | 124.8504 | 3.16795 | 0 | 3.168 | 46.377 | 0.9393 | -5E-04 | 5 | 0.7931 | 0.4191 | 2.081 | 58.18625 |
| 54 | 91.1 | 1.91 | -1.33 | 2.09 | 91.0837 | 2.097 | 5 | 2.17555 | 126.0104 | 3.23095 | 0 | 3.231 | 27.191 | 2.1741 | -0.001 | 4 | 0.9761 | 0.3364 | 2.5538 | 27.92611 |
| 55 | 135.2 | 0.96 | -0.93 | 0.71 | 135.189 | 0.7101 | 6 | 1.73411 | 121.94 | 3.29192 | 0 | 3.2919 | 40.067 | 0.7278 | -5E-04 | 5 | 0.7955 | 0.4054 | 2.0715 | 50.534 |
| 56 | 65.7 | 1.56 | -0.67 | 2.37 | 65.6918 | 2.3747 | 5 | 2.31482 | 123.7323 | 3.35379 | 0 | 3.3538 | 18.587 | 2.5025 | -8E-04 | 4 | 1 | 0.3155 | 2.7318 | 18.58734 |
| 57 | 116.6 | 1.06 | -0.86 | 0.91 | 116.589 | 0.9092 | 6 | 1.85149 | 122.3041 | 3.41494 | 0 | 3.4149 | 33.141 | 0.9366 | -6E-04 | 5 | 0.8593 | 0.3654 | 2.2242 | 39.08101 |
| 58 | 80.2 | 2.38 | -1.27 | 2.97 | 80.1845 | 2.9682 | 5 | 2.3225 | 127.3093 | 3.47859 | 0 | 3.4786 | 22.051 | 3.1028 | -0.001 | 4 | 1 | 0.3042 | 2.7299 | 22.05082 |
| 59 | 139.7 | 1.74 | -0.95 | 1.25 | 139.688 | 1.2456 | 6 | 1.88442 | 126.3714 | 3.54178 | 0 | 3.5418 | 38.44 | 1.278 | -5E-04 | 5 | 0.8759 | 0.3471 | 2.2522 | 44.65787 |
| 60 | 131.4 | 1.4 | -0.95 | 1.07 | 131.388 | 1.0655 | 6 | 1.85735 | 124.6311 | 3.6041 | 0 | 3.6041 | 35.455 | 1.0956 | -5E-04 | 5 | 0.8747 | 0.3423 | 2.2411 | 41.34183 |
| 61 | 142 | 1.57 | -0.89 | 1.1 | 141.989 | 1.1057 | 6 | 1.8435 | 125.6589 | 3.66693 | 0 | 3.6669 | 37.722 | 1.135 | -5E-04 | 5 | 0.8718 | 0.3384 | 2.2256 | 44.24019 |
| 62 | 77.4 | 2.53 | -0.92 | 3.26 | 77.3887 | 3.2692 | 5 | 2.36369 | 127.6699 | 3.73076 | 0 | 3.7308 | 19.743 | 3.4348 | -9E-04 | 4 | 1 | 0.2836 | 2.795 | 19.74342 |
| 63 | 150.8 | 2.17 | 0 | 1.44 | 150.8 | 1.439 | 6 | 1.90558 | 128.1739 | 3.79485 | 0 | 3.7949 | 38.738 | 1.4761 | 0 | 5 | 0.9048 | 0.3149 | 2.2968 | 43.74833 |
| 64 | 183.1 | 1.38 | -0.57 | 0.75 | 183.093 | 0.7537 | 6 | 1.64965 | 125.3352 | 3.85751 | 0 | 3.8575 | 46.464 | 0.7699 | -2E-04 | 6 | 0.8037 | 0.3536 | 2.0222 | 59.89805 |
| 65 | 164.2 | 1.26 | -0.59 | 0.77 | 164.193 | 0.7674 | 6 | 1.69037 | 124.4038 | 3.91972 | 0 | 3.9197 | 40.889 | 0.7862 | -3E-04 | 5 | 0.8307 | 0.337 | 2.0855 | 51.04032 |
| 66 | 145.5 | 1.67 | -0.24 | 1.15 | 145.497 | 1.1478 | 6 | 1.847 | 126.1703 | 3.9828 | 0 | 3.9828 | 35.531 | 1.1801 | -1E-04 | 5 | 0.9025 | 0.3023 | 2.2674 | 40.43121 |
| 67 | 71.8 | 1.45 | -0.91 | 2.01 | 71.7889 | 2.0198 | 5 | 2.23856 | 123.4137 | 4.04451 | 0 | 4.0445 | 16.75 | 2.1404 | -1E-03 | 4 | 1 | 0.2616 | 2.7292 | 16.74971 |
| 68 | 64.7 | 2.19 | -0.83 | 3.39 | 64.6898 | 3.3854 | 4 | 2.42816 | 126.1768 | 4.1076 | 0 | 4.1076 | 14.749 | 3.6149 | -1E-03 | 3 | 1 | 0.2576 | 2.9082 | 14.74883 |
| 69 | 54.8 | 2.3 | -0.64 | 4.19 | 54.7922 | 4.1977 | 4 | 2.5455 | 126.1304 | 4.17066 | 0 | 4.1707 | 12.138 | 4.5435 | -9E-04 | 3 | 1 | 0.2537 | 3.036 | 12.13752 |
| 70 | 35 | 2.4 | -0.31 | 6.87 | 34.9962 | 6.8579 | 3 | 2.83415 | 125.3484 | 4.23334 | 0 | 4.2333 | 7.2668 | 7.8016 | -7E-04 | 3 | 1 | 0.25 | 3.3566 | 7.26681 |
| 71 | 100.6 | 2.85 | -0.27 | 2.83 | 100.597 | 2.8331 | 5 | 2.24106 | 129.1811 | 4.29793 | 0 | 4.2979 | 22.406 | 2.9595 | -2E-04 | 4 | 1 | 0.2462 | 2.7117 | 22.40586 |
| 72 | 141.5 | 1.95 | -0.38 | 1.38 | 141.495 | 1.3781 | 6 | 1.9114 | 127.2364 | 4.36155 | 0 | 4.3616 | 31.442 | 1.422 | -2E-04 | 5 | 0.9663 | 0.2545 | 2.3863 | 32.97835 |
| 73 | 134 | 2.07 | -0.38 | 1.54 | 133.995 | 1.5448 | 6 | 1.96337 | 127.5406 | 4.42532 | 0 | 4.4253 | 29.279 | 1.5976 | -2E-04 | 5 | 0.9955 | 0.2407 | 2.4554 | 29.46934 |
| 74 | 157 | 1.94 | -0.38 | 1.23 | 156.995 | 1.2357 | 6 | 1.84597 | 127.4523 | 4.48904 | 0 | 4.489 | 33.973 | 1.2721 | -2E-04 | 5 | 0.9482 | 0.254 | 2.3213 | 36.61232 |
| 75 | 207.1 | 2.03 | -0.27 | 0.98 | 207.097 | 0.9802 | 6 | 1.68992 | 128.4597 | 4.55327 | 0 | 4.5533 | 44.483 | 1.0023 | -1E-04 | 5 | 0.877 | 0.2781 | 2.1288 | 53.22832 |
| 76 | 128.3 | 2.4 | -0.38 | 1.87 | 128.295 | 1.8707 | 5 | 2.03665 | 128.5169 | 4.61753 | 0 | 4.6175 | 26.784 | 1.9405 | -2E-04 | 4 | 1 | 0.2292 | 2.5385 | 26.78441 |
| 77 | 137.8 | 2.81 | 0.11 | 2.04 | 137.801 | 2.0392 | 5 | 2.04353 | 129.8452 | 4.68245 | 0 | 4.6825 | 28.429 | 2.1109 | 6E-05 | 4 | 1 | 0.226 | 2.5398 | 28.42931 |
| 78 | 72.1 | 4.64 | 0.57 | 6.44 | 72.107 | 6.4349 | 9 | 2.60639 | 131.9353 | 4.74842 | 0 | 4.7484 | 14.185 | 6.8885 | 0.0006 | 3 | 1 | 0.2228 | 3.1 | 14.18547 |
| 79 | 70.5 | 4.81 | 1.12 | 6.82 | 70.5137 | 6.8214 | 9 | 2.63221 | 132.144 | 4.81449 | 0 | 4.8145 | 13.646 | 7.3212 | 0.0012 | 3 | 1 | 0.2198 | 3.1301 | 13.64614 |
| 80 | 76.9 | 5.12 | 1.09 | 6.65 | 76.9133 | 6.6568 | 9 | 2.60044 | 132.8129 | 4.8809 | 0 | 4.8809 | 14.758 | 7.1079 | 0.0011 | 3 | 1 | 0.2168 | 3.0962 | 14.75803 |
| 81 | 127.4 | 3.64 | 0.71 | 2.86 | 127.409 | 2.857 | 5 | 2.1769 | 131.5476 | 4.94667 | 0 | 4.9467 | 24.756 | 2.9724 | 0.0004 | 4 | 1 | 0.2139 | 2.6791 | 24.75644 |
| 82 | 69.7 | 4.47 | 1.14 | 6.4 | 69.714 | 6.4119 | 9 | 2.61442 | 131.5798 | 5.01246 | 0 | 5.0125 | 12.908 | 6.9087 | 0.0013 | 3 | 1 | 0.2111 | 3.1316 | 12.90812 |
| 83 | 60.1 | 4.4 | 1.85 | 7.33 | 60.1226 | 7.3184 | 3 | 2.69957 | 131.1033 | 5.07801 | 0 | 5.078 | 10.84 | 7.9935 | 0.0024 | 3 | 1 | 0.2084 | 3.2304 | 10.83979 |
| 84 | 74.9 | 5.4 | 2.11 | 7.21 | 74.9258 | 7.2071 | 9 | 2.63461 | 133.1387 | 5.14458 | 0 | 5.1446 | 13.564 | 7.7385 | 0.0022 | 3 | 1 | 0.2057 | 3.1482 | 13.56402 |
| 85 | 113.2 | 6.71 | 2.96 | 5.93 | 113.236 | 5.9257 | 9 | 2.4589 | 135.7352 | 5.21245 | 0 | 5.2125 | 20.724 | 6.2116 | 0.002 | 3 | 1 | 0.203 | 2.948 | 20.72418 |
| 86 | 117.5 | 7.23 | 3.06 | 6.15 | 117.537 | 6.1512 | 9 | 2.46266 | 136.3722 | 5.28064 | 0 | 5.2806 | 21.258 | 6.4406 | 0.002 | 3 | 1 | 0.2004 | 2.9507 | 21.2582 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 87 | 157 | 5.05 | 2.85 | 3.21 | 157.035 | 3.2159 | 8 | 2.16096 | 134.4531 | 5.34786 | 0 | 5.3479 | 28.364 | 3.3292 | 0.0014 | 4 | 1 | 0.1979 | 2.6655 | 28.36404 |
| 88 | 214.1 | 3.47 | 2.55 | 1.62 | 214.131 | 1.6205 | 6 | 1.84349 | 132.4639 | 5.4141 | 0 | 5.4141 | 38.551 | 1.6625 | 0.0009 | 5 | 1 | 0.1954 | 2.3717 | 38.55069 |
| 89 | 195.8 | 3.74 | 2.31 | 1.91 | 195.828 | 1.9098 | 6 | 1.92337 | 132.7943 | 5.48049 | 0 | 5.4805 | 34.732 | 1.9648 | 0.0009 | 5 | 1 | 0.1931 | 2.452 | 34.73187 |
| 90 | 200.4 | 3.63 | 3.31 | 1.81 | 200.441 | 1.811 | 6 | 1.89906 | 132.6326 | 5.54681 | 0 | 5.5468 | 35.136 | 1.8626 | 0.0012 | 5 | 1 | 0.1908 | 2.4338 | 35.13618 |
| 91 | 224.4 | 2.55 | 2.25 | 1.14 | 224.428 | 1.1362 | 6 | 1.71298 | 130.3244 | 5.61197 | 0 | 5.612 | 38.991 | 1.1654 | 0.0007 | 5 | 0.9789 | 0.1953 | 2.2646 | 40.38781 |
| 92 | 112.4 | 3.41 | 1.87 | 3.03 | 112.423 | 3.0332 | 5 | 2.23174 | 130.7648 | 5.67735 | 0 | 5.6774 | 18.802 | 3.1945 | 0.0013 | 4 | 1 | 0.1864 | 2.792 | 18.80199 |
| 93 | 135.7 | 4.3 | 3.17 | 3.17 | 135.739 | 3.1679 | 5 | 2.19445 | 132.9213 | 5.74381 | 0 | 5.7438 | 22.632 | 3.3078 | 0.0018 | 4 | 1 | 0.1842 | 2.7387 | 22.63217 |
| 94 | 193.4 | 2.56 | 2.56 | 1.32 | 193.431 | 1.3235 | 6 | 1.8054 | 129.9905 | 5.80881 | 0 | 5.8088 | 32.3 | 1.3644 | 0.001 | 5 | 1 | 0.1822 | 2.3834 | 32.29965 |
| 95 | 124.5 | 3.17 | 1.9 | 2.54 | 124.523 | 2.5457 | 5 | 2.14505 | 130.4801 | 5.87405 | 0 | 5.8741 | 20.199 | 2.6717 | 0.0012 | 4 | 1 | 0.1801 | 2.7199 | 20.19888 |
| 96 | 153.2 | 2.81 | 2 | 1.83 | 153.224 | 1.8339 | 6 | 1.97849 | 130.104 | 5.9391 | 0 | 5.9391 | 24.799 | 1.9079 | 0.001 | 4 | 1 | 0.1782 | 2.5612 | 24.79927 |
| 97 | 223.8 | 2.34 | 2.47 | 1.04 | 223.83 | 1.0454 | 6 | 1.68701 | 129.6891 | 6.00395 | 0 | 6.004 | 36.281 | 1.0743 | 0.0008 | 5 | 1 | 0.1762 | 2.2836 | 36.28052 |
| 98 | 280.2 | 2.62 | 2.2 | 0.93 | 280.227 | 0.935 | 6 | 1.58563 | 131.0641 | 6.06948 | 0 | 6.0695 | 45.17 | 0.9557 | 0.0006 | 5 | 0.9577 | 0.1877 | 2.1494 | 48.63307 |
| 99 | 272.6 | 2.59 | 1.71 | 0.95 | 272.621 | 0.95 | 6 | 1.59875 | 130.9127 | 6.13493 | 0 | 6.1349 | 43.437 | 0.9719 | 0.0005 | 5 | 0.9701 | 0.1818 | 2.1753 | 45.78052 |
| 100 | 242.9 | 2.47 | 1.81 | 1.02 | 242.922 | 1.0168 | 6 | 1.65412 | 130.2843 | 6.20008 | 0 | 6.2001 | 38.181 | 1.0434 | 0.0006 | 5 | 1 | 0.1707 | 2.2581 | 38.18051 |
| 101 | 283.9 | 2.96 | 2.42 | 1.04 | 283.93 | 1.0425 | 6 | 1.61777 | 131.9889 | 6.26607 | 0 | 6.2661 | 44.312 | 1.066 | 0.0006 | 5 | 0.985 | 0.1734 | 2.2 | 45.51061 |
| 102 | 122.1 | 4.08 | 2.47 | 3.34 | 122.13 | 3.3407 | 5 | 2.24112 | 132.2794 | 6.33221 | 0 | 6.3322 | 18.287 | 3.5234 | 0.0015 | 3 | 1 | 0.1671 | 2.8279 | 18.28714 |
| 103 | 256.8 | 2.08 | 2.46 | 0.81 | 256.83 | 0.8099 | 6 | 1.56534 | 129.1627 | 6.39679 | 0 | 6.3968 | 39.15 | 0.8306 | 0.0007 | 5 | 0.9861 | 0.1696 | 2.1867 | 40.13923 |
| 104 | 188 | 4.51 | 4.26 | 2.4 | 188.052 | 2.3983 | 5 | 2.01214 | 134.0653 | 6.46382 | 0 | 6.4638 | 28.093 | 2.4836 | 0.0017 | 4 | 1 | 0.1637 | 2.5874 | 28.09301 |
| 105 | 255.4 | 2.73 | 3.04 | 1.07 | 255.437 | 1.0688 | 6 | 1.65584 | 131.1391 | 6.52939 | 0 | 6.5294 | 38.121 | 1.0968 | 0.0009 | 5 | 1 | 0.1621 | 2.2706 | 38.12112 |
| 106 | 83.2 | 3.78 | 2.66 | 4.54 | 83.2326 | 4.5415 | 4 | 2.44992 | 130.7853 | 6.59479 | 0 | 6.5948 | 11.621 | 4.9323 | 0.0025 | 3 | 1 | 0.1605 | 3.0729 | 11.62096 |
| 107 | 58 | 3.42 | 1.97 | 5.9 | 58.0241 | 5.8941 | 3 | 2.63777 | 129.1731 | 6.65937 | 0 | 6.6594 | 7.7132 | 6.6583 | 0.0028 | 3 | 1 | 0.1589 | 3.2933 | 7.71315 |
| 108 | 114.7 | 5.42 | 2.56 | 4.72 | 114.731 | 4.7241 | 9 | 2.37639 | 134.205 | 6.72648 | 0 | 6.7265 | 16.057 | 5.0183 | 0.0017 | 3 | 1 | 0.1573 | 2.9691 | 16.05668 |
| 109 | 82.3 | 4.6 | 2.34 | 5.59 | 82.3286 | 5.5874 | 9 | 2.52251 | 132.1952 | 6.79257 | 0 | 6.7926 | 11.12 | 6.0898 | 0.0022 | 3 | 1 | 0.1558 | 3.1454 | 11.12039 |
| 110 | 135 | 4.43 | 2.37 | 3.28 | 135.029 | 3.2808 | 5 | 2.2078 | 133.1264 | 6.85914 | 0 | 6.8591 | 18.686 | 3.4564 | 0.0013 | 3 | 1 | 0.1543 | 2.8153 | 18.68601 |
| 111 | 119.8 | 5.29 | 2.41 | 4.41 | 119.83 | 4.4146 | 9 | 2.34153 | 134.1334 | 6.9262 | 0 | 6.9262 | 16.301 | 4.6854 | 0.0015 | 3 | 1 | 0.1528 | 2.9449 | 16.30089 |
| 112 | 95 | 5.31 | 2.62 | 5.59 | 95.0321 | 5.5876 | 9 | 2.48399 | 133.5955 | 6.993 | 0 | 6.993 | 12.59 | 6.0314 | 0.0021 | 3 | 1 | 0.1513 | 3.1014 | 12.5896 |
| 113 | 185.6 | 3.14 | 2.47 | 1.69 | 185.63 | 1.6915 | 6 | 1.89745 | 131.3844 | 7.05869 | 0 | 7.0587 | 25.298 | 1.7584 | 0.001 | 4 | 1 | 0.1499 | 2.5335 | 25.2981 |
| 114 | 65.8 | 4.04 | 2.23 | 6.14 | 65.8273 | 6.1373 | 3 | 2.6156 | 130.6998 | 7.12404 | 0 | 7.124 | 8.2402 | 6.8821 | 0.0027 | 3 | 1 | 0.1485 | 3.2799 | 8.24016 |
| 115 | 57.9 | 3.98 | 2.3 | 6.88 | 57.9282 | 6.8706 | 3 | 2.68883 | 130.2786 | 7.18918 | 0 | 7.1892 | 7.0577 | 7.8441 | 0.0033 | 3 | 1 | 0.1472 | 3.3679 | 7.05768 |
| 116 | 148.7 | 4.78 | 2.82 | 3.21 | 148.735 | 3.2138 | 5 | 2.17499 | 133.9186 | 7.25614 | 0 | 7.2561 | 19.498 | 3.3786 | 0.0014 | 4 | 1 | 0.1458 | 2.7947 | 19.49774 |
| 117 | 91.6 | 4.34 | 2.74 | 4.74 | 91.6335 | 4.7363 | 9 | 2.43745 | 132.0307 | 7.32216 | 0 | 7.3222 | 11.515 | 5.1476 | 0.0023 | 3 | 1 | 0.1445 | 3.0876 | 11.51455 |
| 118 | 82.6 | 4.97 | 2.56 | 6.02 | 82.6313 | 6.0147 | 9 | 2.54656 | 132.7703 | 7.38854 | 0 | 7.3885 | 10.184 | 6.6053 | 0.0025 | 3 | 1 | 0.1432 | 3.1974 | 10.18371 |
| 119 | 72.5 | 5.28 | 2.8 | 7.28 | 72.5343 | 7.2793 | 9 | 2.6467 | 132.8951 | 7.45499 | 0 | 7.455 | 8.7296 | 8.1132 | 0.0031 | 3 | 1 | 0.1419 | 3.306 | 8.72963 |
| 120 | 83.2 | 5.42 | 3.71 | 6.51 | 83.2454 | 6.5109 | 9 | 2.57171 | 133.4225 | 7.5217 | 0 | 7.5217 | 10.067 | 7.1576 | 0.0035 | 3 | 1 | 0.1407 | 3.2235 | 10.06736 |
| 121 | 261.2 | 4.43 | 3.04 | 1.7 | 261.237 | 1.6958 | 6 | 1.80601 | 134.736 | 7.58907 | 0 | 7.5891 | 33.423 | 1.7465 | 0.0009 | 5 | 1 | 0.1394 | 2.4341 | 33.42283 |
| 122 | 154.6 | 4.84 | 3.11 | 3.13 | 154.638 | 3.1299 | 5 | 2.1556 | 134.1048 | 7.65612 | 0 | 7.6561 | 19.198 | 3.2929 | 0.0015 | 4 | 1 | 0.1382 | 2.793 | 19.19796 |
| 123 | 47.9 | 2.33 | 3.12 | 4.87 | 47.9382 | 4.8604 | 4 | 2.63163 | 125.8993 | 7.71907 | 0 | 7.7191 | 5.2104 | 5.7933 | 0.0056 | 3 | 1 | 0.1371 | 3.3929 | 5.21036 |
| 124 | 83.1 | 4.49 | 3.04 | 5.4 | 83.1372 | 5.4007 | 9 | 2.50836 | 132.042 | 7.78509 | 0 | 7.7851 | 9.679 | 5.9587 | 0.0029 | 3 | 1 | 0.1359 | 3.1862 | 9.67903 |
| 125 | 185.1 | 6.25 | 4.28 | 3.37 | 185.152 | 3.3756 | 8 | 2.13595 | 136.4148 | 7.8533 | 0 | 7.8533 | 22.576 | 3.5251 | 0.0017 | 4 | 1 | 0.1347 | 2.7571 | 22.57638 |
| 126 | 312.5 | 4.77 | 4 | 1.53 | 312.549 | 1.5262 | 6 | 1.72317 | 135.7145 | 7.92116 | 0 | 7.9212 | 38.457 | 1.5659 | 0.001 | 5 | 1 | 0.1336 | 2.3569 | 38.45749 |
| 127 | 344.5 | 3.86 | 4.38 | 1.12 | 344.554 | 1.1203 | 6 | 1.58983 | 134.4034 | 7.98836 | 0 | 7.9884 | 42.132 | 1.1469 | 0.0009 | 5 | 1 | 0.1325 | 2.2456 | 42.13197 |
| 128 | 258.8 | 4.85 | 4.47 | 1.87 | 258.855 | 1.8736 | 6 | 1.84328 | 135.3765 | 8.05605 | 0 | 8.0561 | 31.132 | 1.9338 | 0.0013 | 5 | 1 | 0.1313 | 2.4854 | 31.13173 |
| 129 | 209.2 | 9.12 | 9.26 | 4.36 | 209.313 | 4.3571 | 8 | 2.1987 | 137.28 | 8.12469 | 0 | 8.1247 | 24.763 | 4.5331 | 0.0033 | 3 | 1 | 0.1302 | 2.7985 | 24.76263 |
| 130 | 392.2 | 4.59 | 6.54 | 1.17 | 392.28 | 1.1701 | 6 | 1.572 | 135.9872 | 8.19268 | 0 | 8.1927 | 46.882 | 1.195 | 0.0012 | 5 | 1 | 0.1292 | 2.218 | 46.88177 |
| 131 | 301.2 | 4 | 5.17 | 1.33 | 301.263 | 1.3277 | 6 | 1.68385 | 134.3366 | 8.25985 | 0 | 8.2599 | 35.473 | 1.3652 | 0.0013 | 5 | 1 | 0.1281 | 2.3502 | 35.47322 |
| 132 | 232 | 5.31 | 6.74 | 2.29 | 232.083 | 2.288 | 6 | 1.94141 | 135.7732 | 8.32774 | 0 | 8.3277 | 26.869 | 2.3731 | 0.0022 | 4 | 1 | 0.1271 | 2.5903 | 26.86862 |
| 133 | 182.9 | 7.76 | 8.63 | 4.24 | 183.006 | 4.2403 | 8 | 2.22055 | 137.28 | 8.39638 | 0 | 8.3964 | 20.796 | 4.4442 | 0.0036 | 3 | 1 | 0.126 | 2.8495 | 20.79579 |
| 134 | 218.6 | 4.75 | 8.32 | 2.17 | 218.702 | 2.1719 | 6 | 1.93831 | 134.8129 | 8.46378 | 0 | 8.4638 | 24.84 | 2.2593 | 0.0029 | 4 | 1 | 0.125 | 2.6043 | 24.83973 |
| 135 | 291.3 | 4.6 | 6.58 | 1.58 | 291.381 | 1.5787 | 6 | 1.75289 | 135.2779 | 8.53142 | 0 | 8.5314 | 33.154 | 1.6263 | 0.0017 | 5 | 1 | 0.124 | 2.4184 | 33.15381 |
| 136 | 265.3 | 3.21 | 5.98 | 1.21 | 265.373 | 1.2096 | 6 | 1.68619 | 132.4173 | 8.59763 | 0 | 8.5976 | 29.866 | 1.2501 | 0.0017 | 5 | 1 | 0.1231 | 2.3903 | 29.86586 |
| 137 | 365.5 | 4.34 | 7.68 | 1.19 | 365.594 | 1.1871 | 6 | 1.59482 | 135.4056 | 8.66533 | 0 | 8.6653 | 41.19 | 1.2159 | 0.0016 | 5 | 1 | 0.1221 | 2.2682 | 41.19042 |
| 138 | 78.6 | 4.19 | 6.18 | 5.32 | 78.6756 | 5.3257 | 9 | 2.51877 | 131.4015 | 8.73103 | 0 | 8.731 | 8.011 | 5.9905 | 0.0064 | 3 | 1 | 0.1212 | 3.2521 | 8.01103 |
| 139 | 120 | 5.98 | 6.47 | 4.98 | 120.079 | 4.9801 | 9 | 2.38289 | 135.0355 | 8.79855 | 0 | 8.7986 | 12.648 | 5.3738 | 0.0042 | 3 | 1 | 0.1203 | 3.0677 | 12.64761 |
| 140 | 123.7 | 6.59 | 6.38 | 5.32 | 123.778 | 5.324 | 9 | 2.39857 | 135.8202 | 8.86646 | 0 | 8.8665 | 12.96 | 5.7348 | 0.004 | 3 | 1 | 0.1193 | 3.0776 | 12.96026 |
| 141 | 86.7 | 4.91 | 6.09 | 5.65 | 86.7745 | 5.6583 | 9 | 2.51258 | 132.8007 | 8.93286 | 0 | 8.9329 | 8.7141 | 6.3077 | 0.0056 | 3 | 1 | 0.1185 | 3.2372 | 8.71408 |
| 142 | 119.6 | 6.34 | 7.59 | 5.3 | 119.693 | 5.2969 | 9 | 2.40532 | 135.4554 | 9.00059 | 0 | 9.0006 | 12.298 | 5.7276 | 0.0049 | 3 | 1 | 0.1176 | 3.0948 | 12.29834 |
| 143 | 55.3 | 3.2 | 5.23 | 5.78 | 55.364 | 5.7799 | 4 | 2.64482 | 128.5721 | 9.06488 | 0 | 9.0649 | 5.1075 | 6.9116 | 0.0081 | 3 | 1 | 0.1167 | 3.4452 | 5.10753 |
| 144 | 86.1 | 5.24 | 5.69 | 6.08 | 86.1697 | 6.081 | 9 | 2.53909 | 133.2596 | 9.1315 | 0 | 9.1315 | 8.4365 | 6.8018 | 0.0053 | 3 | 1 | 0.1159 | 3.2687 | 8.43652 |
| 145 | 250 | 7.76 | 7.58 | 3.1 | 250.093 | 3.1029 | 8 | 2.0328 | 137.28 | 9.20014 | 0 | 9.2001 | 26.184 | 3.2214 | 0.0023 | 4 | 1 | 0.115 | 2.6827 | 26.18357 |
| 146 | 345.9 | 4.18 | 6.37 | 1.21 | 345.978 | 1.2082 | 6 | 1.61508 | 134.9962 | 9.26764 | 0 | 9.2676 | 36.332 | 1.2414 | 0.0014 | 5 | 1 | 0.1142 | 2.3181 | 36.33182 |
| 147 | 249.9 | 6.03 | 7.92 | 2.41 | 249.997 | 2.412 | 6 | 1.94169 | 136.8849 | 9.33609 | 0 | 9.3361 | 25.777 | 2.5056 | 0.0024 | 4 | 1 | 0.1133 | 2.619 | 25.77749 |
| 148 | 282 | 4.78 | 5.95 | 1.69 | 282.073 | 1.6946 | 6 | 1.78608 | 135.4796 | 9.40383 | 0 | 9.4038 | 28.996 | 1.753 | 0.0016 | 5 | 1 | 0.1125 | 2.4846 | 28.99554 |
| 149 | 371.8 | 4.59 | 6.57 | 1.23 | 371.88 | 1.2343 | 6 | 1.60431 | 135.857 | 9.47175 | 0 | 9.4718 | 38.262 | 1.2665 | 0.0013 | 5 | 1 | 0.1117 | 2.3046 | 38.26204 |
| 150 | 370 | 4.6 | 7.06 | 1.24 | 370.086 | 1.243 | 6 | 1.60801 | 135.8611 | 9.53968 | 0 | 9.5397 | 37.794 | 1.2758 | 0.0014 | 5 | 1 | 0.1109 | 2.3108 | 37.79441 |
| 151 | 426.8 | 4.87 | 5.52 | 1.14 | 426.868 | 1.1409 | 6 | 1.54215 | 136.6266 | 9.608 | 0 | 9.608 | 43.428 | 1.1671 | 0.001 | 5 | 1 | 0.1101 | 2.2391 | 43.42836 |
| 152 | 394.8 | 6.68 | 7.53 | 1.69 | 394.892 | 1.6916 | 6 | 1.70413 | 137.28 | 9.67664 | 0 | 9.6766 | 39.809 | 1.7341 | 0.0014 | 5 | 1 | 0.1094 | 2.3719 | 39.80882 |
| 153 | 321.6 | 3.83 | 6.18 | 1.19 | 321.676 | 1.1906 | 6 | 1.62894 | 134.1788 | 9.74373 | 0 | 9.7437 | 32.014 | 1.2278 | 0.0014 | 5 | 1 | 0.1086 | 2.3609 | 32.01361 |
| 154 | 265.5 | 8.05 | 7.23 | 3.03 | 265.589 | 3.031 | 8 | 2.01022 | 137.28 | 9.81237 | 0 | 9.8124 | 26.067 | 3.1473 | 0.002 | 4 | 1 | 0.1078 | 2.6777 | 26.06671 |
| 155 | 616.2 | 11.1 | 22.91 | 1.8 | 616.48 | 1.8005 | 8 | 1.63502 | 137.28 | 9.88101 | 0 | 9.881 | 61.39 | 1.8299 | 0.0027 | 5 | 1 | 0.1071 | 2.242 | 61.39045 |
| 156 | 117 | 4.77 | 15.22 | 4.07 | 117.186 | 4.0704 | 9 | 2.3195 | 133.3219 | 9.94767 | 0 | 9.9477 | 10.78 | 4.448 | 0.0102 | 3 | 1 | 0.1064 | 3.071 | 10.78028 |
| 157 | 177.9 | 6.12 | 15.85 | 3.43 | 178.094 | 3.4364 | 8 | 2.15201 | 136.1662 | 10.01575 | 0 | 10.016 | 16.781 | 3.6412 | 0.0068 | 3 | 1 | 0.1056 | 2.8659 | 16.78139 |
| 158 | 509.5 | 7.26 | 24.77 | 1.42 | 509.803 | 1.4241 | 6 | 1.58309 | 137.28 | 10.08439 | 0 | 10.084 | 49.554 | 1.4528 | 0.0036 | 5 | 1 | 0.1049 | 2.2496 | 49.55369 |
| 159 | 413.1 | 6.78 | 27.16 | 1.64 | 413.432 | 1.6399 | 6 | 1.68221 | 137.28 | 10.15303 | 0 | 10.153 | 39.72 | 1.6812 | 0.0049 | 5 | 1 | 0.1042 | 2.3644 | 39.7201 |
| 160 | 460.9 | 0 | 24.13 | 0 | 461.195 | 0 | 0 | 0 | 769.6 | 10.53783 | 0 | 10.538 | 42.766 | 0 | 0.0039 | 0 | 1 | 0.1004 | 0 | 0 |

| | CPT-8 | In situ data | | | | | | Basic output data | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth (ft) | qc (tsf) | fs (tsf) | u (psi) | Other | qt (tsf) | Rf(%) | SBT | Ic SBT | ã (pcf) | ó,v (tsf) | u0 (tsf) | ó',vo (tsf) | Qt1 | Fr (%) | Bq | SBTn | n | Cn | Ic | Qtn |
| 1 | 69.7 | 0.47 | 0.19 | 0.67 | 69.7023 | 0.6743 | 6 | 1.95623 | 115.0985 | 0.05755 | 0 | 0.0576 | 1210.2 | 0.6749 | 0.0002 | 6 | 0.5043 | 2 | 1.7103 | 131.6402 |
| 2 | 75.5 | 0.54 | 0.38 | 0.71 | 75.5047 | 0.7152 | 6 | 1.94104 | 116.3094 | 0.1157 | 0 | 0.1157 | 651.57 | 0.7163 | 0.0004 | 6 | 0.503 | 2 | 1.6995 | 142.4976 |
| 3 | 40.1 | 0.39 | 0.2 | 0.98 | 40.1025 | 0.9725 | 5 | 2.24416 | 112.385 | 0.1719 | 0 | 0.1719 | 232.29 | 0.9767 | 0.0004 | 6 | 0.62 | 2 | 1.9997 | 75.47538 |
| 4 | 36 | 0.32 | 0.29 | 0.88 | 36.0036 | 0.8888 | 5 | 2.26333 | 110.6746 | 0.22723 | 0 | 0.2272 | 157.44 | 0.8945 | 0.0006 | 6 | 0.6286 | 2 | 2.0154 | 67.62318 |
| 5 | 38.8 | 0.44 | 0.29 | 1.13 | 38.8036 | 1.1339 | 5 | 2.29262 | 113.1874 | 0.28383 | 0 | 0.2838 | 135.72 | 1.1423 | 0.0005 | 5 | 0.6459 | 2 | 2.0537 | 72.80868 |
| 6 | 64.4 | 0.36 | 0.48 | 0.56 | 64.4059 | 0.559 | 6 | 1.94347 | 112.9549 | 0.3403 | 0 | 0.3403 | 188.26 | 0.5619 | 0.0005 | 6 | 0.5239 | 1.8118 | 1.7276 | 109.7008 |
| 7 | 65.2 | 0.45 | 0.57 | 0.69 | 65.207 | 0.6901 | 6 | 1.98608 | 114.6178 | 0.39761 | 0 | 0.3976 | 163 | 0.6943 | 0.0006 | 6 | 0.5525 | 1.7173 | 1.7955 | 105.1843 |
| 8 | 76.6 | 0.48 | 0.67 | 0.63 | 76.6082 | 0.6266 | 6 | 1.90451 | 115.483 | 0.45536 | 0 | 0.4554 | 167.24 | 0.6303 | 0.0006 | 6 | 0.536 | 1.5714 | 1.7453 | 113.0938 |
| 9 | 78.3 | 0.54 | 0.76 | 0.69 | 78.3093 | 0.6896 | 6 | 1.91908 | 116.3984 | 0.51355 | 0 | 0.5136 | 151.48 | 0.6941 | 0.0007 | 6 | 0.5524 | 1.4909 | 1.781 | 109.6126 |
| 10 | 74.3 | 0.43 | 0.76 | 0.58 | 74.3093 | 0.5787 | 6 | 1.8976 | 114.6038 | 0.57086 | 0 | 0.5709 | 129.17 | 0.5831 | 0.0007 | 6 | 0.5537 | 1.4073 | 1.777 | 98.07475 |
| 11 | 62.5 | 0.48 | 0.91 | 0.76 | 62.5111 | 0.7679 | 6 | 2.02652 | 114.987 | 0.62835 | 0 | 0.6284 | 98.485 | 0.7757 | 0.0011 | 6 | 0.6104 | 1.3745 | 1.9183 | 80.38921 |
| 12 | 54.3 | 0.59 | 0.95 | 1.1 | 54.3116 | 1.0863 | 5 | 2.16189 | 116.1538 | 0.68643 | 0 | 0.6864 | 78.122 | 1.1002 | 0.0013 | 5 | 0.6704 | 1.3366 | 2.0684 | 67.73857 |
| 13 | 67 | 0.58 | 1.05 | 0.87 | 67.0129 | 0.8655 | 6 | 2.03045 | 116.5413 | 0.7447 | 0 | 0.7447 | 88.987 | 0.8752 | 0.0011 | 6 | 0.6315 | 1.2483 | 1.9589 | 78.18196 |
| 14 | 50.4 | 0.7 | 0.96 | 1.39 | 50.4118 | 1.3886 | 5 | 2.25119 | 117.223 | 0.80331 | 0 | 0.8033 | 61.755 | 1.4111 | 0.0014 | 5 | 0.7234 | 1.2205 | 2.1927 | 57.22365 |
| 15 | 61.6 | 0.7 | 1.14 | 1.14 | 61.614 | 1.1361 | 5 | 2.12913 | 117.7124 | 0.86217 | 0 | 0.8622 | 70.464 | 1.1522 | 0.0014 | 5 | 0.6869 | 1.1511 | 2.0891 | 66.08821 |
| 16 | 89.5 | 0.88 | 1.14 | 0.99 | 89.514 | 0.9831 | 6 | 1.96217 | 120.2978 | 0.92231 | 0 | 0.9223 | 96.054 | 0.9933 | 0.0009 | 6 | 0.6325 | 1.0908 | 1.939 | 91.32488 |
| 17 | 115.3 | 0.76 | 1.24 | 0.65 | 115.315 | 0.6591 | 6 | 1.7697 | 119.8429 | 0.98224 | 0 | 0.9822 | 116.4 | 0.6647 | 0.0008 | 6 | 0.5671 | 1.0431 | 1.7601 | 112.7108 |
| 18 | 107.5 | 0.7 | 1.24 | 0.66 | 107.515 | 0.6511 | 6 | 1.79135 | 119.0703 | 1.04177 | 0 | 1.0418 | 102.2 | 0.6574 | 0.0008 | 6 | 0.5828 | 1.0091 | 1.794 | 101.5429 |
| 19 | 166.3 | 3.14 | 1.03 | 1.89 | 166.313 | 1.888 | 6 | 1.96471 | 131.1163 | 1.10733 | 0 | 1.1073 | 149.19 | 1.9007 | 0.0005 | 6 | 0.6557 | 0.9706 | 1.9772 | 151.5469 |
| 20 | 102.9 | 1.08 | 1.05 | 1.05 | 102.913 | 1.0494 | 6 | 1.933 | 122.1365 | 1.1684 | 0 | 1.1684 | 87.08 | 1.0615 | 0.0007 | 6 | 0.6526 | 0.9373 | 1.9616 | 90.13176 |
| 21 | 124.5 | 0.9 | 1.24 | 0.72 | 124.515 | 0.7228 | 6 | 1.76702 | 121.2672 | 1.22903 | 0 | 1.229 | 100.31 | 0.73 | 0.0007 | 6 | 0.5955 | 0.9147 | 1.8039 | 106.5754 |
| 22 | 115.3 | 0.95 | 1.24 | 0.82 | 115.315 | 0.8238 | 6 | 1.82828 | 121.4756 | 1.28977 | 0 | 1.2898 | 88.408 | 0.8332 | 0.0008 | 6 | 0.6266 | 0.8833 | 1.8776 | 95.19139 |
| 23 | 158.1 | 0.95 | 1.32 | 0.6 | 158.116 | 0.6008 | 6 | 1.63583 | 122.2455 | 1.35089 | 0 | 1.3509 | 116.05 | 0.606 | 0.0006 | 6 | 0.5571 | 0.8728 | 1.6882 | 129.3065 |
| 24 | 156.1 | 1.08 | 1.33 | 0.69 | 156.116 | 0.6918 | 6 | 1.6782 | 123.1529 | 1.41247 | 0 | 1.4125 | 109.53 | 0.6981 | 0.0006 | 6 | 0.58 | 0.8458 | 1.7408 | 123.655 |
| 25 | 148.3 | 1.14 | 1.33 | 0.77 | 148.316 | 0.7686 | 6 | 1.72448 | 123.4235 | 1.47418 | 0 | 1.4742 | 99.609 | 0.7763 | 0.0007 | 6 | 0.6048 | 0.8183 | 1.7983 | 113.5563 |
| 26 | 86.7 | 0.67 | 1.33 | 0.77 | 86.7163 | 0.7726 | 6 | 1.91052 | 118.2254 | 1.53329 | 0 | 1.5333 | 55.556 | 0.7865 | 0.0011 | 6 | 0.6894 | 0.7744 | 2.0128 | 62.34058 |
| 27 | 78.8 | 1.11 | 1.14 | 1.41 | 78.814 | 1.4084 | 5 | 2.10399 | 121.6863 | 1.59414 | 0 | 1.5941 | 48.44 | 1.4375 | 0.0011 | 5 | 0.7722 | 0.7287 | 2.2227 | 53.18051 |
| 28 | 84.8 | 1.22 | 1.14 | 1.44 | 84.814 | 1.4384 | 5 | 2.08594 | 122.5566 | 1.65541 | 0 | 1.6554 | 50.234 | 1.4671 | 0.001 | 5 | 0.7713 | 0.7081 | 2.2128 | 55.64785 |
| 29 | 104.4 | 1.11 | 1.14 | 1.06 | 104.414 | 1.0631 | 6 | 1.93179 | 122.3723 | 1.7166 | 0 | 1.7166 | 59.826 | 1.0809 | 0.0008 | 5 | 0.7157 | 0.7073 | 2.0591 | 68.64895 |
| 30 | 95.7 | 1.33 | 1.05 | 1.39 | 95.7129 | 1.3896 | 5 | 2.03674 | 123.4831 | 1.77834 | 0 | 1.7783 | 52.821 | 1.4159 | 0.0008 | 5 | 0.7644 | 0.6724 | 2.1794 | 59.69342 |
| 31 | 121.6 | 1.44 | 1.05 | 1.18 | 121.613 | 1.1841 | 6 | 1.91303 | 124.6487 | 1.84067 | 0 | 1.8407 | 65.07 | 1.2023 | 0.0006 | 5 | 0.7193 | 0.6715 | 2.0531 | 76.00988 |
| 32 | 112.1 | 1.54 | 1.05 | 1.37 | 112.113 | 1.3736 | 6 | 1.98279 | 124.9416 | 1.90314 | 0 | 1.9031 | 57.91 | 1.3973 | 0.0007 | 5 | 0.7544 | 0.6422 | 2.1375 | 66.88982 |
| 33 | 87.2 | 2.03 | 0.95 | 2.33 | 87.2116 | 2.3277 | 5 | 2.22106 | 126.3503 | 1.96631 | 0 | 1.9663 | 43.353 | 2.3814 | 0.0008 | 5 | 0.8583 | 0.5875 | 2.4024 | 47.3326 |
| 34 | 178.8 | 1.8 | 1.24 | 1 | 178.815 | 1.0066 | 6 | 1.74307 | 127.2217 | 2.02992 | 0 | 2.0299 | 87.09 | 1.0182 | 0.0005 | 6 | 0.6658 | 0.6481 | 1.889 | 108.2763 |
| 35 | 183.1 | 1.84 | 1.18 | 1 | 183.114 | 1.0048 | 6 | 1.73518 | 127.4405 | 2.09364 | 0 | 2.0936 | 86.462 | 1.0165 | 0.0005 | 6 | 0.6685 | 0.6337 | 1.8881 | 108.4128 |
| 36 | 114.9 | 1.39 | 1.14 | 1.21 | 114.914 | 1.2096 | 6 | 1.93744 | 124.2519 | 2.15577 | 0 | 2.1558 | 52.305 | 1.2327 | 0.0007 | 5 | 0.7634 | 0.5808 | 2.1296 | 61.89662 |
| 37 | 108.9 | 1.41 | 1.14 | 1.29 | 108.914 | 1.2946 | 6 | 1.97452 | 124.2257 | 2.21788 | 0 | 2.2179 | 48.107 | 1.3215 | 0.0008 | 5 | 0.7856 | 0.5591 | 2.1802 | 56.3787 |
| 38 | 115.6 | 1.38 | 1.24 | 1.19 | 115.615 | 1.1936 | 6 | 1.9316 | 124.2139 | 2.27999 | 0 | 2.28 | 49.709 | 1.2176 | 0.0008 | 5 | 0.7741 | 0.552 | 2.1421 | 59.12313 |
| 39 | 94.5 | 1.75 | 1.05 | 1.85 | 94.5129 | 1.8516 | 5 | 2.12609 | 125.4604 | 2.34272 | 0 | 2.3427 | 39.343 | 1.8987 | 0.0008 | 5 | 0.8612 | 0.5044 | 2.3631 | 43.93361 |
| 40 | 85.1 | 2.36 | 1.14 | 2.77 | 85.114 | 2.7728 | 5 | 2.28321 | 127.3931 | 2.40642 | 0 | 2.4064 | 34.37 | 2.8534 | 0.001 | 4 | 0.9323 | 0.4649 | 2.5404 | 36.33718 |
| 41 | 124.2 | 1.84 | 1.24 | 1.48 | 124.215 | 1.4813 | 6 | 1.97355 | 126.4939 | 2.46966 | 0 | 2.4697 | 49.296 | 1.5114 | 0.0007 | 5 | 0.8077 | 0.5043 | 2.2068 | 58.02234 |
| 42 | 125.7 | 1.23 | 0.97 | 0.98 | 125.712 | 0.9784 | 6 | 1.84712 | 123.5762 | 2.53145 | 0 | 2.5315 | 48.66 | 0.9985 | 0.0006 | 5 | 0.7651 | 0.513 | 2.0871 | 59.72345 |
| 43 | 142.2 | 1.4 | 1.05 | 0.98 | 142.213 | 0.9844 | 6 | 1.80878 | 124.8242 | 2.59386 | 0 | 2.5939 | 53.827 | 1.0027 | 0.0005 | 6 | 0.7528 | 0.5091 | 2.0469 | 67.18198 |
| 44 | 131.5 | 1.43 | 1.05 | 1.08 | 131.513 | 1.0874 | 6 | 1.86296 | 124.7886 | 2.65626 | 0 | 2.6563 | 48.511 | 1.1098 | 0.0006 | 5 | 0.7824 | 0.4867 | 2.1169 | 59.26758 |
| 45 | 121.4 | 1.35 | 1.05 | 1.11 | 121.413 | 1.1119 | 6 | 1.8952 | 124.1725 | 2.71834 | 0 | 2.7183 | 43.664 | 1.1374 | 0.0006 | 5 | 0.8038 | 0.4684 | 2.1653 | 52.54489 |
| 46 | 108.4 | 1.18 | 1.05 | 1.09 | 108.413 | 1.0884 | 6 | 1.92602 | 122.9114 | 2.7798 | 0 | 2.7798 | 38 | 1.1171 | 0.0007 | 5 | 0.826 | 0.4503 | 2.2159 | 44.9564 |
| 47 | 88.5 | 1.3 | 1.14 | 1.47 | 88.514 | 1.4687 | 5 | 2.07807 | 123.1255 | 2.84136 | 0 | 2.8414 | 30.152 | 1.5174 | 0.001 | 5 | 0.8984 | 0.4117 | 2.3988 | 33.33436 |
| 48 | 64.8 | 2.63 | 1.11 | 4.06 | 64.8136 | 4.0578 | 4 | 2.48489 | 127.5211 | 2.90512 | 0 | 2.9051 | 21.31 | 4.2482 | 0.0013 | 3 | 1 | 0.3642 | 2.8287 | 21.31011 |
| 49 | 85.9 | 1.86 | 1.05 | 2.17 | 85.9129 | 2.165 | 5 | 2.2033 | 125.6738 | 2.96796 | 0 | 2.968 | 27.947 | 2.2425 | 0.0009 | 4 | 0.9617 | 0.3709 | 2.5482 | 29.07219 |
| 50 | 87.2 | 2.45 | 1.05 | 2.81 | 87.2129 | 2.8092 | 5 | 2.28012 | 127.7263 | 3.03182 | 0 | 3.0318 | 27.766 | 2.9104 | 0.0009 | 4 | 0.9971 | 0.3501 | 2.6338 | 27.8496 |
| 51 | 124.6 | 2.21 | 1.14 | 1.77 | 124.614 | 1.7735 | 5 | 2.02843 | 127.8424 | 3.09574 | 0 | 3.0957 | 39.253 | 1.8187 | 0.0007 | 5 | 0.8919 | 0.3838 | 2.3501 | 44.08252 |
| 52 | 145.9 | 1.96 | 1.14 | 1.34 | 145.914 | 1.3433 | 6 | 1.89409 | 127.3489 | 3.15942 | 0 | 3.1594 | 45.184 | 1.373 | 0.0006 | 5 | 0.8403 | 0.3988 | 2.2063 | 53.80806 |
| 53 | 109.2 | 2.71 | 1.07 | 2.48 | 109.213 | 2.4814 | 5 | 2.17438 | 129.013 | 3.22392 | 0 | 3.2239 | 32.876 | 2.5569 | 0.0007 | 4 | 0.9669 | 0.3405 | 2.5302 | 34.10988 |
| 54 | 150.1 | 1.64 | 1.14 | 1.09 | 150.114 | 1.0925 | 6 | 1.82237 | 126.1138 | 3.28698 | 0 | 3.287 | 44.669 | 1.117 | 0.0006 | 5 | 0.8241 | 0.3929 | 2.1477 | 54.52385 |
| 55 | 153.4 | 1.47 | 1.22 | 0.96 | 153.415 | 0.9582 | 6 | 1.77654 | 125.3662 | 3.34966 | 0 | 3.3497 | 44.8 | 0.9796 | 0.0006 | 5 | 0.8118 | 0.3924 | 2.1073 | 55.65254 |
| 56 | 102.3 | 1.66 | 1.14 | 1.62 | 102.314 | 1.6225 | 5 | 2.06141 | 125.2675 | 3.4123 | 0 | 3.4123 | 28.984 | 1.6784 | 0.0008 | 5 | 0.9465 | 0.3302 | 2.4517 | 30.85899 |
| 57 | 68.3 | 2.11 | 1.14 | 3.09 | 68.314 | 3.0887 | 5 | 2.38306 | 126.0375 | 3.47532 | 0 | 3.4753 | 18.657 | 3.2542 | 0.0013 | 4 | 1 | 0.3045 | 2.7996 | 18.6569 |
| 58 | 120.8 | 1.76 | 1.14 | 1.46 | 120.814 | 1.4568 | 6 | 1.97704 | 126.1009 | 3.53837 | 0 | 3.5384 | 33.144 | 1.5007 | 0.0007 | 5 | 0.9179 | 0.3302 | 2.3632 | 36.59906 |
| 59 | 137.9 | 1.65 | 1.17 | 1.2 | 137.914 | 1.1964 | 6 | 1.87624 | 125.9516 | 3.60134 | 0 | 3.6013 | 37.295 | 1.2285 | 0.0006 | 5 | 0.8792 | 0.3407 | 2.2535 | 43.24098 |
| 60 | 105.8 | 1.87 | 1.06 | 1.77 | 105.813 | 1.7673 | 5 | 2.07698 | 126.2212 | 3.66445 | 0 | 3.6645 | 27.876 | 1.8307 | 0.0008 | 5 | 0.9759 | 0.2975 | 2.4991 | 28.72369 |
| 61 | 152.6 | 1.67 | 1.24 | 1.09 | 152.615 | 1.0943 | 6 | 1.81767 | 126.2868 | 3.7276 | 0 | 3.7276 | 39.942 | 1.1217 | 0.0006 | 5 | 0.8642 | 0.3368 | 2.1982 | 47.38998 |
| 62 | 110.1 | 1.84 | 1.24 | 1.67 | 110.115 | 1.671 | 5 | 2.04755 | 126.2 | 3.7907 | 0 | 3.7907 | 28.049 | 1.7306 | 0.0008 | 5 | 0.9754 | 0.2881 | 2.482 | 28.94448 |
| 63 | 105.9 | 1.62 | 1.24 | 1.53 | 105.915 | 1.5295 | 5 | 2.03284 | 125.1734 | 3.85328 | 0 | 3.8533 | 26.487 | 1.5873 | 0.0009 | 5 | 0.9781 | 0.2825 | 2.4816 | 27.24606 |
| 64 | 108.9 | 1.64 | 1.18 | 1.51 | 108.914 | 1.5058 | 6 | 2.01937 | 125.3313 | 3.91595 | 0 | 3.916 | 26.813 | 1.5619 | 0.0008 | 5 | 0.9778 | 0.2782 | 2.473 | 27.60209 |
| 65 | 87.3 | 1.99 | 1.14 | 2.28 | 87.314 | 2.2791 | 5 | 2.21417 | 126.2076 | 3.97905 | 0 | 3.9791 | 20.943 | 2.388 | 0.001 | 4 | 1 | 0.2659 | 2.678 | 20.9434 |
| 66 | 72.2 | 3.15 | 1.28 | 4.36 | 72.2157 | 4.3619 | 4 | 2.47681 | 129.105 | 4.04361 | 0 | 4.0436 | 16.859 | 4.6207 | 0.0014 | 3 | 1 | 0.2617 | 2.9298 | 16.85923 |
| 67 | 138.8 | 1.88 | 1.05 | 1.36 | 138.813 | 1.3543 | 6 | 1.9119 | 126.9223 | 4.10707 | 0 | 4.1071 | 32.799 | 1.3956 | 0.0006 | 5 | 0.9434 | 0.2782 | 2.3563 | 35.41374 |
| 68 | 131.6 | 2.43 | 1.05 | 1.85 | 131.613 | 1.8463 | 5 | 2.02494 | 128.67 | 4.1714 | 0 | 4.1714 | 30.551 | 1.9068 | 0.0006 | 5 | 0.9951 | 0.2554 | 2.4859 | 30.75688 |
| 69 | 136.4 | 2.25 | 1.14 | 1.65 | 136.414 | 1.6494 | 6 | 1.97854 | 128.1943 | 4.2355 | 0 | 4.2355 | 31.207 | 1.7022 | 0.0006 | 5 | 0.9812 | 0.2564 | 2.4422 | 32.03335 |
| 70 | 139.9 | 1.69 | 1.14 | 1.21 | 139.914 | 1.2079 | 6 | 1.87461 | 126.162 | 4.29858 | 0 | 4.2986 | 31.549 | 1.2462 | 0.0006 | 5 | 0.9475 | 0.2649 | 2.3432 | 33.95716 |
| 71 | 153 | 1.79 | 1.24 | 1.17 | 153.015 | 1.1698 | 6 | 1.83707 | 126.8009 | 4.36198 | 0 | 4.362 | 34.079 | 1.2041 | 0.0006 | 5 | 0.9325 | 0.2669 | 2.2993 | 37.49638 |
| 72 | 161.7 | 1.9 | 1.33 | 1.18 | 161.716 | 1.1749 | 6 | 1.82135 | 127.3722 | 4.42567 | 0 | 4.4257 | 35.541 | 1.208 | 0.0006 | 5 | 0.9294 | 0.2645 | 2.2831 | 39.31801 |
| 73 | 118.6 | 2.56 | 1.43 | 2.15 | 118.618 | 2.1582 | 5 | 2.10539 | 128.7978 | 4.49006 | 0 | 4.4901 | 25.418 | 2.2431 | 0.0009 | 4 | 1 | 0.2357 | 2.5945 | 25.41777 |
| 74 | 119.8 | 2.66 | 1.41 | 2.22 | 119.817 | 2.2201 | 5 | 2.11153 | 129.1027 | 4.55462 | 0 | 4.5546 | 25.307 | 2.3078 | 0.0009 | 4 | 1 | 0.2323 | 2.6035 | 25.30677 |
| 75 | 122.9 | 2.99 | 1.43 | 2.43 | 122.918 | 2.4325 | 5 | 2.13383 | 130.0207 | 4.61963 | 0 | 4.6196 | 25.608 | 2.5275 | 0.0009 | 4 | 1 | 0.2291 | 2.6236 | 25.60767 |
| 76 | 110.1 | 3.04 | 1.52 | 2.76 | 110.119 | 2.7607 | 5 | 2.20663 | 129.8739 | 4.68456 | 0 | 4.6846 | 22.507 | 2.8833 | 0.001 | 4 | 1 | 0.2259 | 2.7031 | 22.50669 |
| 77 | 83.5 | 3.45 | 1.49 | 4.13 | 83.5182 | 4.1308 | 4 | 2.41756 | 130.1253 | 4.74963 | 0 | 4.7496 | 16.584 | 4.3799 | 0.0014 | 3 | 1 | 0.2228 | 2.9204 | 16.58417 |
| 78 | 57.9 | 3.79 | 1.29 | 6.55 | 57.9158 | 6.544 | 3 | 2.67274 | 129.9201 | 4.81459 | 0 | 4.8146 | 11.029 | 7.1373 | 0.0018 | 3 | 1 | 0.2198 | 3.1925 | 11.02923 |
| 79 | 49.9 | 3.56 | 1.43 | 7.13 | 49.9175 | 7.1318 | 3 | 2.74313 | 129.0996 | 4.87914 | 0 | 4.8791 | 9.2308 | 7.9044 | 0.0023 | 3 | 1 | 0.2169 | 3.2801 | 9.23081 |
| 80 | 60.6 | 4.32 | 1.43 | 7.13 | 60.6175 | 7.1267 | 3 | 2.68841 | 130.9891 | 4.94463 | 0 | 4.9446 | 11.259 | 7.7596 | 0.0019 | 3 | 1 | 0.214 | 3.2094 | 11.25926 |
| 81 | 68.8 | 5.4 | 1.58 | 7.85 | 68.8193 | 7.8466 | 9 | 2.68644 | 132.9313 | 5.0111 | 0 | 5.0111 | 12.733 | 8.4629 | 0.0018 | 3 | 1 | 0.2112 | 3.1946 | 12.73339 |
| 82 | 110.4 | 6.86 | 1.9 | 6.21 | 110.423 | 6.2125 | 9 | 2.48193 | 135.8356 | 5.07901 | 0 | 5.079 | 20.741 | 6.512 | 0.0013 | 3 | 1 | 0.2083 | 2.9618 | 20.74108 |
| 83 | 130.6 | 6.4 | 2 | 4.9 | 130.624 | 4.8995 | 9 | 2.35563 | 135.7375 | 5.14688 | 0 | 5.1469 | 24.379 | 5.1005 | 0.0012 | 3 | 1 | 0.2056 | 2.838 | 24.37934 |
| 84 | 149.1 | 5.91 | 2.09 | 3.96 | 149.126 | 3.9631 | 8 | 2.24727 | 135.4777 | 5.21462 | 0 | 5.2146 | 27.598 | 4.1067 | 0.0011 | 4 | 1 | 0.2029 | 2.7348 | 27.59758 |
| 85 | 181 | 3.62 | 2.19 | 2 | 181.027 | 1.9997 | 6 | 1.96035 | 132.364 | 5.2808 | 0 | 5.2808 | 33.28 | 2.0598 | 0.0009 | 5 | 1 | 0.2004 | 2.4792 | 33.28016 |
| 86 | 201.2 | 3.14 | 2.18 | 1.56 | 201.227 | 1.5604 | 6 | 1.84807 | 131.5811 | 5.34659 | 0 | 5.3466 | 36.636 | 1.603 | 0.0008 | 5 | 1 | 0.1979 | 2.3798 | 36.63642 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 87 | 203.9 | 3.51 | 2.28 | 1.72 | 203.928 | 1.7212 | 6 | 1.87718 | 132.4287 | 5.41281 | 0 | 5.4128 | 36.675 | 1.7681 | 0.0008 | 5 | 1 | 0.1955 | 2.4052 | 36.67506 |
| 88 | 189.7 | 3.46 | 2.45 | 1.82 | 189.73 | 1.8236 | 6 | 1.91645 | 132.1477 | 5.47888 | 0 | 5.4789 | 33.629 | 1.8779 | 0.001 | 5 | 1 | 0.1931 | 2.451 | 33.62932 |
| 89 | 126.7 | 4.32 | 2.53 | 3.41 | 126.731 | 3.4088 | 5 | 2.23792 | 132.7878 | 5.54528 | 0 | 5.5453 | 21.854 | 3.5648 | 0.0015 | 4 | 1 | 0.1908 | 2.7711 | 21.85386 |
| 90 | 209.3 | 2.95 | 2.28 | 1.41 | 209.328 | 1.4093 | 6 | 1.80325 | 131.2207 | 5.61089 | 0 | 5.6109 | 36.307 | 1.4481 | 0.0008 | 5 | 1 | 0.1886 | 2.3568 | 36.30746 |
| 91 | 164.7 | 4.48 | 2.37 | 2.72 | 164.729 | 2.7196 | 5 | 2.09047 | 133.6935 | 5.67773 | 0 | 5.6777 | 28.013 | 2.8167 | 0.0011 | 4 | 1 | 0.1864 | 2.6228 | 28.01316 |
| 92 | 236.7 | 2.7 | 2.38 | 1.14 | 236.729 | 1.1405 | 6 | 1.69883 | 130.8728 | 5.74317 | 0 | 5.7432 | 40.219 | 1.1689 | 0.0007 | 5 | 0.9816 | 0.1901 | 2.2558 | 41.48858 |
| 93 | 159.6 | 2.89 | 2.21 | 1.81 | 159.627 | 1.8105 | 6 | 1.96256 | 130.4092 | 5.80837 | 0 | 5.8084 | 26.482 | 1.8788 | 0.001 | 4 | 1 | 0.1822 | 2.5342 | 26.48222 |
| 94 | 270.3 | 2.86 | 2.28 | 1.06 | 270.328 | 1.058 | 6 | 1.63644 | 131.6177 | 5.87418 | 0 | 5.8742 | 45.02 | 1.0815 | 0.0006 | 5 | 0.9613 | 0.1925 | 2.1837 | 48.10882 |
| 95 | 256.2 | 2.76 | 2.28 | 1.08 | 256.228 | 1.0772 | 6 | 1.65753 | 131.2266 | 5.9398 | 0 | 5.9398 | 42.137 | 1.1027 | 0.0007 | 5 | 0.9784 | 0.1849 | 2.2225 | 43.73469 |
| 96 | 278.8 | 3.06 | 2.38 | 1.1 | 278.829 | 1.0975 | 6 | 1.63993 | 132.1878 | 6.00589 | 0 | 6.0059 | 45.426 | 1.1216 | 0.0006 | 5 | 0.9717 | 0.1851 | 2.1958 | 47.71805 |
| 97 | 239.1 | 2.23 | 2.28 | 0.93 | 239.128 | 0.9326 | 6 | 1.63112 | 129.498 | 6.07064 | 0 | 6.0706 | 38.391 | 0.9569 | 0.0007 | 5 | 0.9859 | 0.1787 | 2.2266 | 39.34956 |
| 98 | 248 | 2.58 | 1.79 | 1.04 | 248.022 | 1.0402 | 6 | 1.65547 | 130.6538 | 6.13597 | 0 | 6.136 | 39.421 | 1.0666 | 0.0005 | 5 | 0.9979 | 0.1731 | 2.2504 | 39.56883 |
| 99 | 165.2 | 1.91 | 1.52 | 1.15 | 165.219 | 1.156 | 6 | 1.80981 | 127.4628 | 6.1997 | 0 | 6.1997 | 25.649 | 1.2011 | 0.0007 | 5 | 1 | 0.1707 | 2.4365 | 25.64946 |
| 100 | 127.9 | 1.62 | 1.52 | 1.27 | 127.919 | 1.2664 | 6 | 1.91694 | 125.6338 | 6.26251 | 0 | 6.2625 | 19.426 | 1.3316 | 0.0009 | 4 | 1 | 0.169 | 2.5626 | 19.42608 |
| 101 | 118.3 | 3.19 | 1.71 | 2.7 | 118.321 | 2.6961 | 5 | 2.17841 | 130.4015 | 6.32772 | 0 | 6.3277 | 17.699 | 2.8484 | 0.0011 | 4 | 1 | 0.1672 | 2.7824 | 17.69884 |
| 102 | 216.3 | 1.73 | 1.43 | 0.8 | 216.318 | 0.7998 | 6 | 1.6141 | 127.3958 | 6.39141 | 0 | 6.3914 | 32.845 | 0.8241 | 0.0005 | 5 | 1 | 0.1656 | 2.2598 | 32.84502 |
| 103 | 120.5 | 4.99 | 1.73 | 4.14 | 120.521 | 4.1404 | 9 | 2.31789 | 133.7202 | 6.45827 | 0 | 6.4583 | 17.662 | 4.3748 | 0.0011 | 3 | 1 | 0.1638 | 2.8991 | 17.66152 |
| 104 | 63 | 3.5 | 1.43 | 5.55 | 63.0175 | 5.554 | 4 | 2.59479 | 129.5436 | 6.52305 | 0 | 6.5231 | 8.6608 | 6.1953 | 0.0018 | 3 | 1 | 0.1622 | 3.2345 | 8.66075 |
| 105 | 128.2 | 4.15 | 1.52 | 3.24 | 128.219 | 3.2367 | 5 | 2.21717 | 132.5225 | 6.58931 | 0 | 6.5893 | 18.459 | 3.412 | 0.0009 | 4 | 1 | 0.1606 | 2.816 | 18.45859 |
| 106 | 116.4 | 4.02 | 1.08 | 3.45 | 116.413 | 3.4532 | 5 | 2.2654 | 132.054 | 6.65533 | 0 | 6.6553 | 16.492 | 3.6626 | 0.0007 | 3 | 1 | 0.159 | 2.8735 | 16.49172 |
| 107 | 55.6 | 4.12 | 1.33 | 7.4 | 55.6163 | 7.4079 | 3 | 2.72525 | 130.4322 | 6.72055 | 0 | 6.7206 | 7.2756 | 8.4261 | 0.002 | 3 | 1 | 0.1574 | 3.3773 | 7.27556 |
| 108 | 155 | 4.16 | 1.24 | 2.68 | 155.015 | 2.6836 | 5 | 2.10216 | 133.003 | 6.78705 | 0 | 6.7871 | 21.84 | 2.8065 | 0.0006 | 4 | 1 | 0.1559 | 2.7061 | 21.83984 |
| 109 | 85.5 | 5.02 | 1.43 | 5.87 | 85.5175 | 5.8701 | 9 | 2.52904 | 132.9272 | 6.85351 | 0 | 6.8535 | 11.478 | 6.3816 | 0.0013 | 3 | 1 | 0.1544 | 3.1479 | 11.4779 |
| 110 | 135.1 | 4.56 | 1.43 | 3.38 | 135.118 | 3.3748 | 5 | 2.21729 | 133.3397 | 6.92018 | 0 | 6.9202 | 18.525 | 3.557 | 0.0008 | 3 | 1 | 0.1529 | 2.8261 | 18.52513 |
| 111 | 178.4 | 3.01 | 1.52 | 1.69 | 178.419 | 1.687 | 6 | 1.90773 | 130.9783 | 6.98567 | 0 | 6.9857 | 24.541 | 1.7558 | 0.0006 | 4 | 1 | 0.1515 | 2.5439 | 24.54064 |
| 112 | 82.6 | 4.81 | 1.62 | 5.83 | 82.6198 | 5.8219 | 9 | 2.53551 | 132.5305 | 7.05194 | 0 | 7.0519 | 10.716 | 6.3651 | 0.0015 | 3 | 1 | 0.15 | 3.1701 | 10.7159 |
| 113 | 50.5 | 3.98 | 1.71 | 7.88 | 50.5209 | 7.8779 | 3 | 2.77256 | 129.9449 | 7.11691 | 0 | 7.1169 | 6.0987 | 9.1697 | 0.0028 | 2 | 1 | 0.1487 | 3.4599 | 6.09872 |
| 114 | 72.7 | 4.98 | 1.64 | 6.85 | 72.7201 | 6.8482 | 9 | 2.6252 | 132.4733 | 7.18315 | 0 | 7.1832 | 9.1237 | 7.5988 | 0.0018 | 3 | 1 | 0.1473 | 3.273 | 9.12371 |
| 115 | 129.6 | 5.25 | 1.81 | 4.05 | 129.622 | 4.0502 | 8 | 2.29111 | 134.2694 | 7.25028 | 0 | 7.2503 | 16.878 | 4.2902 | 0.0011 | 3 | 1 | 0.1459 | 2.9088 | 16.87822 |
| 116 | 80.1 | 5.86 | 1.81 | 7.32 | 80.1222 | 7.3138 | 9 | 2.62188 | 133.9004 | 7.31723 | 0 | 7.3172 | 9.9498 | 8.0489 | 0.0018 | 3 | 1 | 0.1446 | 3.2604 | 9.94979 |
| 117 | 147.3 | 5.11 | 1.98 | 3.47 | 147.324 | 3.4685 | 8 | 2.20388 | 134.3839 | 7.38442 | 0 | 7.3844 | 18.951 | 3.6516 | 0.001 | 3 | 1 | 0.1433 | 2.8256 | 18.95067 |
| 118 | 129.5 | 6.37 | 2.14 | 4.92 | 129.526 | 4.9179 | 9 | 2.35909 | 135.6825 | 7.45227 | 0 | 7.4523 | 16.381 | 5.2182 | 0.0013 | 3 | 1 | 0.142 | 2.9736 | 16.38078 |
| 119 | 200.2 | 4.21 | 2.09 | 2.1 | 200.226 | 2.1026 | 6 | 1.95023 | 133.7146 | 7.51912 | 0 | 7.5191 | 25.629 | 2.1847 | 0.0008 | 4 | 1 | 0.1407 | 2.5847 | 25.62885 |
| 120 | 129.1 | 4.82 | 2.19 | 3.73 | 129.127 | 3.7328 | 8 | 2.26395 | 133.6348 | 7.58594 | 0 | 7.5859 | 16.022 | 3.9657 | 0.0013 | 3 | 1 | 0.1395 | 2.9048 | 16.02186 |
| 121 | 153.2 | 3.39 | 2.19 | 2.21 | 153.227 | 2.2124 | 5 | 2.04029 | 131.477 | 7.65168 | 0 | 7.6517 | 19.025 | 2.3287 | 0.0011 | 4 | 1 | 0.1383 | 2.7052 | 19.02525 |
| 122 | 43.3 | 2.71 | 2.19 | 6.26 | 43.3268 | 6.2548 | 3 | 2.74161 | 126.7581 | 7.71506 | 0 | 7.7151 | 4.6159 | 7.6099 | 0.0044 | 3 | 1 | 0.1372 | 3.5054 | 4.61588 |
| 123 | 47.7 | 3.24 | 2.19 | 6.8 | 47.7268 | 6.7886 | 3 | 2.73986 | 128.301 | 7.77921 | 0 | 7.7792 | 5.1352 | 8.1106 | 0.004 | 3 | 1 | 0.136 | 3.4853 | 5.13517 |
| 124 | 51.1 | 3.48 | 2.09 | 6.8 | 51.1256 | 6.8068 | 3 | 2.72102 | 128.9916 | 7.8437 | 0 | 7.8437 | 5.518 | 8.0403 | 0.0035 | 3 | 1 | 0.1349 | 3.4583 | 5.51804 |
| 125 | 121.5 | 5.08 | 2.09 | 4.18 | 121.526 | 4.1802 | 9 | 2.31899 | 133.8712 | 7.91064 | 0 | 7.9106 | 14.362 | 4.4712 | 0.0013 | 3 | 1 | 0.1338 | 2.9745 | 14.36229 |
| 126 | 296.1 | 4.23 | 2.09 | 1.43 | 296.126 | 1.4285 | 6 | 1.71374 | 134.7038 | 7.97799 | 0 | 7.978 | 36.118 | 1.468 | 0.0005 | 5 | 1 | 0.1326 | 2.3622 | 36.11781 |
| 127 | 325.1 | 5.61 | 2.46 | 1.73 | 325.13 | 1.7255 | 6 | 1.75722 | 136.9976 | 8.04649 | 0 | 8.0465 | 39.406 | 1.7693 | 0.0006 | 5 | 1 | 0.1315 | 2.3807 | 39.40645 |
| 128 | 110.3 | 5.12 | 2.39 | 4.64 | 110.329 | 4.6407 | 9 | 2.38055 | 133.6929 | 8.11334 | 0 | 8.1133 | 12.599 | 5.009 | 0.0017 | 3 | 1 | 0.1304 | 3.0497 | 12.5985 |
| 129 | 130.6 | 6.12 | 2.7 | 4.68 | 130.633 | 4.6849 | 9 | 2.33986 | 135.4103 | 8.18104 | 0 | 8.181 | 14.968 | 4.9979 | 0.0016 | 3 | 1 | 0.1293 | 2.9913 | 14.96778 |
| 130 | 208.7 | 5.73 | 2.38 | 2.75 | 208.729 | 2.7452 | 5 | 2.03257 | 136.0715 | 8.24908 | 0 | 8.2491 | 24.303 | 2.8581 | 0.0009 | 4 | 1 | 0.1283 | 2.6746 | 24.30333 |
| 131 | 241.2 | 3.68 | 2.47 | 1.53 | 241.23 | 1.5255 | 6 | 1.79063 | 133.1845 | 8.31567 | 0 | 8.3157 | 28.009 | 1.58 | 0.0008 | 5 | 1 | 0.1272 | 2.4706 | 28.00911 |
| 132 | 156.9 | 6.12 | 2.47 | 3.9 | 156.93 | 3.8998 | 8 | 2.22864 | 135.8576 | 8.3836 | 0 | 8.3836 | 17.719 | 4.1199 | 0.0012 | 3 | 1 | 0.1262 | 2.8814 | 17.71872 |
| 133 | 252.5 | 3.97 | 2.47 | 1.57 | 252.53 | 1.5721 | 6 | 1.78867 | 133.8512 | 8.45052 | 0 | 8.4505 | 28.883 | 1.6265 | 0.0007 | 5 | 1 | 0.1252 | 2.467 | 28.88338 |
| 134 | 272 | 3.84 | 2.47 | 1.41 | 272.03 | 1.4116 | 6 | 1.73192 | 133.789 | 8.51742 | 0 | 8.5174 | 30.938 | 1.4572 | 0.0007 | 5 | 1 | 0.1242 | 2.4151 | 30.9381 |
| 135 | 293.4 | 5.15 | 2.53 | 1.75 | 293.431 | 1.7551 | 6 | 1.78856 | 136.1214 | 8.58548 | 0 | 8.5855 | 33.178 | 1.808 | 0.0006 | 5 | 1 | 0.1232 | 2.4457 | 33.17758 |
| 136 | 72.9 | 3.06 | 2.52 | 4.2 | 72.9308 | 4.1958 | 4 | 2.46133 | 128.9169 | 8.64994 | 0 | 8.6499 | 7.4314 | 4.7604 | 0.0028 | 3 | 1 | 0.1223 | 3.218 | 7.43137 |
| 137 | 158.6 | 6.59 | 2.63 | 4.16 | 158.632 | 4.1543 | 8 | 2.2483 | 136.4253 | 8.71815 | 0 | 8.7182 | 17.196 | 4.3959 | 0.0013 | 3 | 1 | 0.1214 | 2.9093 | 17.19562 |
| 138 | 101.9 | 5.27 | 2.19 | 5.17 | 101.927 | 5.1704 | 9 | 2.43873 | 133.711 | 8.78501 | 0 | 8.785 | 10.602 | 5.658 | 0.0017 | 3 | 1 | 0.1204 | 3.1413 | 10.60236 |
| 139 | 50.8 | 3.08 | 2.09 | 6.05 | 50.8256 | 6.0599 | 3 | 2.68485 | 128.0838 | 8.84905 | 0 | 8.8491 | 4.7436 | 7.3374 | 0.0036 | 3 | 1 | 0.1196 | 3.4865 | 4.74362 |
| 140 | 246.3 | 3.96 | 2.05 | 1.61 | 246.325 | 1.6076 | 6 | 1.80296 | 133.772 | 8.91593 | 0 | 8.9159 | 26.628 | 1.668 | 0.0006 | 5 | 1 | 0.1187 | 2.5021 | 26.62751 |
| 141 | 62.3 | 3.31 | 1.71 | 5.3 | 62.3209 | 5.3112 | 4 | 2.5833 | 129.1081 | 8.98049 | 0 | 8.9805 | 5.9396 | 6.2054 | 0.0023 | 3 | 1 | 0.1178 | 3.3647 | 5.93959 |
| 142 | 93.2 | 5.42 | 1.71 | 5.82 | 93.2209 | 5.8141 | 9 | 2.50277 | 133.6986 | 9.04734 | 0 | 9.0473 | 9.3037 | 6.4391 | 0.0015 | 3 | 1 | 0.117 | 3.2207 | 9.30369 |
| 143 | 240 | 6.28 | 2.05 | 2.61 | 240.025 | 2.6164 | 8 | 1.98083 | 137.0829 | 9.11588 | 0 | 9.1159 | 25.33 | 2.7197 | 0.0006 | 4 | 1 | 0.1161 | 2.6471 | 25.33044 |
| 144 | 281 | 4.81 | 2 | 1.71 | 281.024 | 1.7116 | 6 | 1.79054 | 135.5163 | 9.18364 | 0 | 9.1836 | 29.601 | 1.7694 | 0.0005 | 5 | 1 | 0.1152 | 2.4798 | 29.60056 |
| 145 | 276.7 | 4.98 | 2.26 | 1.8 | 276.728 | 1.7996 | 6 | 1.81214 | 135.7328 | 9.2515 | 0 | 9.2515 | 28.912 | 1.8619 | 0.0006 | 5 | 1 | 0.1144 | 2.5011 | 28.91164 |
| 146 | 376.3 | 5.33 | 2.66 | 1.42 | 376.333 | 1.4163 | 6 | 1.65062 | 136.9797 | 9.31999 | 0 | 9.32 | 39.379 | 1.4523 | 0.0005 | 5 | 1 | 0.1135 | 2.3291 | 39.37906 |
| 147 | 350.7 | 4.91 | 2.85 | 1.4 | 350.735 | 1.3999 | 6 | 1.6637 | 136.2073 | 9.3881 | 0 | 9.3881 | 36.36 | 1.4384 | 0.0006 | 5 | 1 | 0.1127 | 2.3546 | 36.35953 |
| 148 | 343.9 | 4.96 | 2.08 | 1.44 | 343.925 | 1.4422 | 6 | 1.67916 | 136.2336 | 9.45621 | 0 | 9.4562 | 35.37 | 1.483 | 0.0005 | 5 | 1 | 0.1119 | 2.3721 | 35.37031 |
| 149 | 277.8 | 4.34 | 2.18 | 1.56 | 277.827 | 1.5621 | 6 | 1.76144 | 134.736 | 9.52358 | 0 | 9.5236 | 28.173 | 1.6176 | 0.0006 | 5 | 1 | 0.1111 | 2.4744 | 28.1725 |
| 150 | 246.8 | 6.22 | 2.63 | 2.52 | 246.832 | 2.5199 | 6 | 1.96051 | 137.0809 | 9.59212 | 0 | 9.5921 | 24.733 | 2.6218 | 0.0008 | 4 | 1 | 0.1103 | 2.6453 | 24.7328 |
| 151 | 91.6 | 5.77 | 2.7 | 6.3 | 91.6331 | 6.2969 | 9 | 2.53483 | 134.1145 | 9.65918 | 0 | 9.6592 | 8.4866 | 7.0388 | 0.0024 | 3 | 1 | 0.1095 | 3.2761 | 8.48663 |
| 152 | 373.7 | 7.33 | 1.93 | 1.96 | 373.724 | 1.9613 | 6 | 1.7714 | 137.28 | 9.72782 | 0 | 9.7278 | 37.418 | 2.0138 | 0.0004 | 5 | 1 | 0.1088 | 2.4333 | 37.41802 |
| 153 | 305.8 | 5.45 | 2.73 | 1.78 | 305.833 | 1.782 | 6 | 1.78375 | 136.6367 | 9.79614 | 0 | 9.7961 | 30.22 | 1.841 | 0.0007 | 5 | 1 | 0.108 | 2.4828 | 30.21979 |
| 154 | 392.7 | 5.22 | 3 | 1.33 | 392.737 | 1.3291 | 6 | 1.61739 | 136.9311 | 9.8646 | 0 | 9.8646 | 38.813 | 1.3634 | 0.0006 | 5 | 1 | 0.1073 | 2.318 | 38.81272 |
| 155 | 409 | 3.94 | 3.03 | 0.96 | 409.037 | 0.9632 | 6 | 1.49273 | 134.9719 | 9.93209 | 0 | 9.9321 | 40.183 | 0.9872 | 0.0006 | 5 | 1 | 0.1065 | 2.2263 | 40.18339 |
| 156 | 267.8 | 6.71 | 3.13 | 2.5 | 267.838 | 2.5052 | 8 | 1.93867 | 137.28 | 10.00073 | 0 | 10.001 | 25.782 | 2.6024 | 0.0009 | 4 | 1 | 0.1058 | 2.6292 | 25.78188 |
| 157 | 613.5 | 5.97 | 3.22 | 0.97 | 613.539 | 0.973 | 6 | 1.39964 | 137.28 | 10.06937 | 0 | 10.069 | 59.931 | 0.9893 | 0.0004 | 5 | 1 | 0.1051 | 2.0835 | 59.93126 |
| 158 | 521.5 | 8.12 | 3.75 | 1.56 | 521.546 | 1.5569 | 6 | 1.61201 | 137.28 | 10.13801 | 0 | 10.138 | 50.445 | 1.5878 | 0.0005 | 5 | 1 | 0.1044 | 2.2675 | 50.4446 |
| 159 | 348.4 | 4.3 | 2.26 | 1.23 | 348.428 | 1.2341 | 6 | 1.62073 | 135.2205 | 10.20562 | 0 | 10.206 | 33.141 | 1.2714 | 0.0005 | 5 | 1 | 0.1037 | 2.3569 | 33.14076 |
| 160 | 420.1 | 6.17 | 2.12 | 1.47 | 420.126 | 1.4686 | 6 | 1.63781 | 137.28 | 10.27426 | 0 | 10.274 | 39.891 | 1.5054 | 0.0004 | 5 | 1 | 0.103 | 2.3339 | 39.89111 |

| | CPT-9 | In situ data | | | Basic output data | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth (ft) | qc (tsf) | fs (tsf) | u (psi) | Other | qt (tsf) | Rf(%) | SBT | Ic SBT | ã (pcf) | ó,v (tsf) | u0 (tsf) | ó',vo (tsf) | Qt1 | Fr (%) | Bq | SBTn | n | Cn | Ic | Qtn |
| 1 | 70.9 | 0.32 | 0.78 | 0.45 | 70.9096 | 0.4513 | 6 | 1.86194 | 112.3277 | 0.05616 | 0 | 0.0562 | 1261.5 | 0.4516 | 0.0008 | 6 | 0.4634 | 2 | 1.6029 | 133.9247 |
| 2 | 61.6 | 0.29 | 0.69 | 0.48 | 61.6085 | 0.4707 | 6 | 1.92449 | 111.2645 | 0.1118 | 0 | 0.1118 | 550.08 | 0.4716 | 0.0008 | 6 | 0.4896 | 2 | 1.6648 | 116.2389 |
| 3 | 45.7 | 0.28 | 0.77 | 0.62 | 45.7094 | 0.6126 | 5 | 2.09281 | 110.2797 | 0.16694 | 0 | 0.1669 | 272.81 | 0.6148 | 0.0012 | 6 | 0.5577 | 2 | 1.8369 | 86.08287 |
| 4 | 45.7 | 0.28 | 0.78 | 0.62 | 45.7096 | 0.6126 | 5 | 2.0928 | 110.2797 | 0.22208 | 0 | 0.2221 | 204.83 | 0.6156 | 0.0012 | 6 | 0.5606 | 2 | 1.8376 | 85.97888 |
| 5 | 38.1 | 0.26 | 0.69 | 0.69 | 38.1085 | 0.6823 | 5 | 2.18457 | 109.2938 | 0.27672 | 0 | 0.2767 | 136.71 | 0.6873 | 0.0013 | 6 | 0.5987 | 2 | 1.9308 | 71.50824 |
| 6 | 57.7 | 0.3 | 0.78 | 0.52 | 57.7096 | 0.5198 | 6 | 1.9698 | 111.3531 | 0.3324 | 0 | 0.3324 | 172.62 | 0.5229 | 0.001 | 6 | 0.5297 | 1.8465 | 1.7435 | 100.1277 |
| 7 | 75.5 | 0.45 | 0.89 | 0.59 | 75.5109 | 0.5959 | 6 | 1.89831 | 114.9756 | 0.38989 | 0 | 0.3899 | 192.67 | 0.599 | 0.0009 | 6 | 0.5207 | 1.6818 | 1.7133 | 119.401 |
| 8 | 82.1 | 0.54 | 1.07 | 0.66 | 82.1131 | 0.6576 | 6 | 1.89055 | 116.5141 | 0.44814 | 0 | 0.4481 | 182.23 | 0.6612 | 0.0009 | 6 | 0.5306 | 1.5775 | 1.7318 | 121.7491 |
| 9 | 84.1 | 0.47 | 1.07 | 0.56 | 84.1131 | 0.5588 | 6 | 1.84374 | 115.5569 | 0.50592 | 0 | 0.5059 | 165.26 | 0.5622 | 0.0009 | 6 | 0.5237 | 1.4717 | 1.7068 | 116.2901 |
| 10 | 61.7 | 0.3 | 1.07 | 0.49 | 61.7131 | 0.4861 | 6 | 1.93037 | 111.5167 | 0.56168 | 0 | 0.5617 | 108.87 | 0.4906 | 0.0013 | 6 | 0.5623 | 1.4277 | 1.8008 | 82.51357 |
| 11 | 88 | 0.45 | 1.16 | 0.51 | 88.0142 | 0.5113 | 6 | 1.80689 | 115.3493 | 0.61936 | 0 | 0.6194 | 141.11 | 0.5149 | 0.001 | 6 | 0.5293 | 1.3277 | 1.7067 | 109.6653 |
| 12 | 106.1 | 0.56 | 1.35 | 0.53 | 106.117 | 0.5277 | 6 | 1.74509 | 117.4056 | 0.67806 | 0 | 0.6781 | 155.5 | 0.5311 | 0.0009 | 6 | 0.5166 | 1.2585 | 1.6658 | 125.4033 |
| 13 | 82.7 | 0.53 | 1.45 | 0.63 | 82.7178 | 0.6407 | 6 | 1.8817 | 116.3952 | 0.73626 | 0 | 0.7363 | 111.35 | 0.6465 | 0.0013 | 6 | 0.5751 | 1.2319 | 1.8119 | 95.44618 |
| 14 | 67.8 | 0.62 | 1.36 | 0.92 | 67.8167 | 0.9142 | 6 | 2.03988 | 117.0584 | 0.79479 | 0 | 0.7948 | 84.327 | 0.9251 | 0.0015 | 6 | 0.6429 | 1.202 | 1.9825 | 76.13422 |
| 15 | 76.3 | 0.74 | 1.54 | 0.97 | 76.3189 | 0.9696 | 6 | 2.01348 | 118.641 | 0.85411 | 0 | 0.8541 | 88.355 | 0.9806 | 0.0015 | 6 | 0.642 | 1.1474 | 1.9729 | 81.83383 |
| 16 | 80.5 | 0.63 | 1.54 | 0.78 | 80.5189 | 0.7824 | 6 | 1.93998 | 117.5942 | 0.9129 | 0 | 0.9129 | 87.201 | 0.7914 | 0.0014 | 6 | 0.6227 | 1.0963 | 1.9143 | 82.47665 |
| 17 | 104 | 0.65 | 1.64 | 0.62 | 104.02 | 0.6249 | 6 | 1.79293 | 118.4475 | 0.97213 | 0 | 0.9721 | 106 | 0.6308 | 0.0012 | 6 | 0.5746 | 1.0499 | 1.7812 | 102.2493 |
| 18 | 109.3 | 0.72 | 1.64 | 0.66 | 109.32 | 0.6586 | 6 | 1.78835 | 119.317 | 1.03178 | 0 | 1.0318 | 104.95 | 0.6649 | 0.0011 | 6 | 0.5803 | 1.0147 | 1.7889 | 103.8487 |
| 19 | 113.8 | 0.75 | 1.71 | 0.66 | 113.821 | 0.6589 | 6 | 1.77424 | 119.7141 | 1.09164 | 0 | 1.0916 | 103.27 | 0.6653 | 0.0011 | 6 | 0.5822 | 0.982 | 1.7865 | 104.6206 |
| 20 | 114.4 | 0.54 | 1.64 | 0.47 | 114.42 | 0.472 | 6 | 1.69151 | 117.3233 | 1.1503 | 0 | 1.1503 | 98.469 | 0.4767 | 0.001 | 6 | 0.5577 | 0.9545 | 1.7148 | 102.1757 |
| 21 | 147.2 | 1.01 | 1.89 | 0.68 | 147.223 | 0.686 | 6 | 1.69576 | 122.5195 | 1.21156 | 0 | 1.2116 | 120.52 | 0.6917 | 0.0009 | 6 | 0.5654 | 0.9263 | 1.7269 | 127.822 |
| 22 | 126 | 1.03 | 2.04 | 0.82 | 126.025 | 0.8173 | 6 | 1.79603 | 122.2838 | 1.27271 | 0 | 1.2727 | 98.021 | 0.8256 | 0.0012 | 6 | 0.6116 | 0.8932 | 1.8406 | 105.3097 |
| 23 | 158.6 | 0.75 | 2.3 | 0.47 | 158.628 | 0.4728 | 6 | 1.5733 | 120.5237 | 1.33297 | 0 | 1.333 | 118 | 0.4768 | 0.0011 | 6 | 0.5312 | 0.8846 | 1.6225 | 131.4967 |
| 24 | 137 | 0.99 | 2.11 | 0.72 | 137.026 | 0.7225 | 6 | 1.73416 | 122.1981 | 1.39407 | 0 | 1.3941 | 97.292 | 0.7299 | 0.0011 | 6 | 0.6007 | 0.8474 | 1.7973 | 108.618 |
| 25 | 134 | 1.1 | 2.2 | 0.82 | 134.027 | 0.8207 | 6 | 1.77652 | 122.9151 | 1.45552 | 0 | 1.4555 | 91.082 | 0.8297 | 0.0012 | 6 | 0.6239 | 0.8196 | 1.8505 | 102.689 |
| 26 | 135 | 1.11 | 2.3 | 0.82 | 135.028 | 0.8221 | 6 | 1.77448 | 122.9994 | 1.51702 | 0 | 1.517 | 88.009 | 0.8314 | 0.0012 | 6 | 0.6297 | 0.797 | 1.8582 | 100.5692 |
| 27 | 98.3 | 1.37 | 2.2 | 1.39 | 98.3269 | 1.3933 | 6 | 2.02884 | 123.7657 | 1.57891 | 0 | 1.5789 | 61.275 | 1.4161 | 0.0016 | 5 | 0.7383 | 0.7442 | 2.1355 | 68.04277 |
| 28 | 81.3 | 1.62 | 2.28 | 2 | 81.3279 | 1.9919 | 5 | 2.19503 | 124.5292 | 1.64117 | 0 | 1.6412 | 48.555 | 2.033 | 0.0021 | 5 | 0.8127 | 0.7 | 2.3218 | 52.71514 |
| 29 | 73.5 | 1.44 | 2.3 | 1.96 | 73.5282 | 1.9584 | 5 | 2.22182 | 123.4215 | 1.70288 | 0 | 1.7029 | 42.179 | 2.0049 | 0.0023 | 5 | 0.8321 | 0.673 | 2.3651 | 45.68579 |
| 30 | 73.2 | 1.39 | 2.01 | 1.9 | 73.2246 | 1.8983 | 5 | 2.21395 | 123.1528 | 1.76446 | 0 | 1.7645 | 40.5 | 1.9451 | 0.002 | 5 | 0.836 | 0.6522 | 2.3689 | 44.04342 |
| 31 | 79.9 | 1.25 | 2.01 | 1.56 | 79.9246 | 1.564 | 5 | 2.12933 | 122.5896 | 1.82575 | 0 | 1.8258 | 42.776 | 1.6005 | 0.0019 | 5 | 0.8089 | 0.6432 | 2.2903 | 47.4756 |
| 32 | 127.9 | 1.21 | 2.11 | 0.94 | 127.926 | 0.9459 | 6 | 1.83176 | 123.4988 | 1.8875 | 0 | 1.8875 | 66.775 | 0.96 | 0.0012 | 6 | 0.6921 | 0.6699 | 1.9759 | 79.79962 |
| 33 | 130.3 | 1.18 | 1.72 | 0.9 | 130.321 | 0.9055 | 6 | 1.81331 | 123.3604 | 1.94918 | 0 | 1.9492 | 65.859 | 0.9192 | 0.001 | 6 | 0.6912 | 0.6556 | 1.9656 | 79.53557 |
| 34 | 155.1 | 1.53 | 1.82 | 0.99 | 155.122 | 0.9863 | 6 | 1.78154 | 125.6859 | 2.01203 | 0 | 2.012 | 76.098 | 0.9993 | 0.0009 | 6 | 0.6818 | 0.6452 | 1.9332 | 93.36608 |
| 35 | 163.2 | 0.97 | 1.73 | 0.59 | 163.221 | 0.5943 | 6 | 1.62201 | 122.4754 | 2.07326 | 0 | 2.0733 | 77.727 | 0.6019 | 0.0008 | 6 | 0.6255 | 0.6566 | 1.7777 | 99.99123 |
| 36 | 102.1 | 1.08 | 1.82 | 1.06 | 102.122 | 1.0576 | 6 | 1.93771 | 122.1177 | 2.13432 | 0 | 2.1343 | 46.848 | 1.0801 | 0.0013 | 5 | 0.7642 | 0.585 | 2.1343 | 55.27643 |
| 37 | 126 | 1.25 | 1.92 | 0.99 | 126.024 | 0.9919 | 6 | 1.8502 | 123.7002 | 2.19617 | 0 | 2.1962 | 56.383 | 1.0095 | 0.0011 | 6 | 0.7318 | 0.586 | 2.0415 | 68.58093 |
| 38 | 106.3 | 0.76 | 1.92 | 0.72 | 106.324 | 0.7148 | 6 | 1.81896 | 119.6449 | 2.25599 | 0 | 2.256 | 46.129 | 0.7303 | 0.0013 | 6 | 0.7306 | 0.5752 | 2.0307 | 56.56752 |
| 39 | 97.1 | 1.11 | 1.82 | 1.15 | 97.1223 | 1.1429 | 6 | 1.9761 | 122.1957 | 2.31709 | 0 | 2.3171 | 40.916 | 1.1708 | 0.0014 | 5 | 0.8 | 0.5342 | 2.2056 | 47.85928 |
| 40 | 73.6 | 1.44 | 2.01 | 1.95 | 73.6246 | 1.9559 | 5 | 2.22102 | 123.4247 | 2.3788 | 0 | 2.3788 | 29.95 | 2.0212 | 0.002 | 5 | 0.9102 | 0.4784 | 2.4854 | 32.20925 |
| 41 | 126.9 | 1.32 | 2.01 | 1.04 | 126.925 | 1.04 | 6 | 1.86147 | 124.1163 | 2.44086 | 0 | 2.4409 | 51 | 1.0604 | 0.0012 | 5 | 0.7611 | 0.5293 | 2.0879 | 62.27146 |
| 42 | 35.5 | 1.7 | 1.54 | 4.78 | 35.5189 | 4.7862 | 4 | 2.71834 | 122.8613 | 2.50229 | 0 | 2.5023 | 13.195 | 5.1489 | 0.0034 | 3 | 1 | 0.4229 | 3.0417 | 13.19452 |
| 43 | 167.5 | 1.54 | 2.01 | 0.92 | 167.525 | 0.9193 | 6 | 1.73626 | 125.9211 | 2.56525 | 0 | 2.5653 | 64.305 | 0.9336 | 0.0009 | 6 | 0.7171 | 0.5299 | 1.9565 | 82.61623 |
| 44 | 166.1 | 1.34 | 2.11 | 0.81 | 166.126 | 0.8066 | 6 | 1.70079 | 124.8828 | 2.6277 | 0 | 2.6277 | 62.221 | 0.8196 | 0.0009 | 6 | 0.7098 | 0.5243 | 1.9295 | 81.01887 |
| 45 | 159.1 | 1.17 | 2.11 | 0.74 | 159.126 | 0.7353 | 6 | 1.68869 | 123.7851 | 2.68959 | 0 | 2.6896 | 58.164 | 0.7479 | 0.001 | 6 | 0.7126 | 0.5144 | 1.929 | 76.05099 |
| 46 | 119.6 | 1.17 | 2.11 | 0.98 | 119.626 | 0.9781 | 6 | 1.86334 | 123.0892 | 2.75113 | 0 | 2.7511 | 42.482 | 1.0011 | 0.0013 | 5 | 0.7954 | 0.4676 | 2.1392 | 51.65339 |
| 47 | 141.6 | 0.96 | 2.2 | 0.68 | 141.627 | 0.6778 | 6 | 1.70574 | 122.0535 | 2.81216 | 0 | 2.8122 | 49.362 | 0.6916 | 0.0011 | 6 | 0.7352 | 0.4874 | 1.973 | 63.94537 |
| 48 | 40.9 | 2.3 | 2.3 | 5.63 | 40.9282 | 5.6196 | 3 | 2.72462 | 125.4189 | 2.87487 | 0 | 2.8749 | 13.237 | 6.0442 | 0.0044 | 3 | 1 | 0.3681 | 3.0854 | 13.23653 |
| 49 | 71.9 | 1.93 | 2.3 | 2.68 | 71.9282 | 2.6832 | 5 | 2.32377 | 125.5108 | 2.93762 | 0 | 2.9376 | 23.485 | 2.7975 | 0.0024 | 4 | 1 | 0.3602 | 2.6804 | 23.48515 |
| 50 | 119.9 | 1.54 | 2.3 | 1.28 | 119.928 | 1.2841 | 6 | 1.94142 | 125.1059 | 3.00018 | 0 | 3.0002 | 38.974 | 1.3171 | 0.0014 | 5 | 0.8505 | 0.4121 | 2.2531 | 45.5428 |
| 51 | 113.2 | 1.45 | 2.2 | 1.28 | 113.227 | 1.2806 | 6 | 1.95891 | 124.5251 | 3.06244 | 0 | 3.0624 | 35.973 | 1.3162 | 0.0014 | 5 | 0.8659 | 0.3984 | 2.2856 | 41.48359 |
| 52 | 150.1 | 2.12 | 2.39 | 1.41 | 150.129 | 1.4121 | 6 | 1.90101 | 127.9925 | 3.12644 | 0 | 3.1264 | 47.019 | 1.4422 | 0.0012 | 5 | 0.8386 | 0.4031 | 2.2059 | 56.00471 |
| 53 | 178.4 | 1.08 | 2.3 | 0.61 | 178.428 | 0.6053 | 6 | 1.5966 | 123.4787 | 3.18818 | 0 | 3.1882 | 54.966 | 0.6163 | 0.0009 | 6 | 0.7212 | 0.4514 | 1.8889 | 74.75339 |
| 54 | 211.1 | 2.16 | 2.3 | 1.03 | 211.128 | 1.0231 | 6 | 1.69751 | 128.9609 | 3.25266 | 0 | 3.2527 | 63.909 | 1.0391 | 0.0008 | 6 | 0.7589 | 0.4265 | 1.9804 | 83.78414 |
| 55 | 188.3 | 1.89 | 2.2 | 1 | 188.327 | 1.0036 | 6 | 1.72617 | 127.7051 | 3.31651 | 0 | 3.3165 | 55.785 | 1.0216 | 0.0009 | 6 | 0.7805 | 0.41 | 2.0293 | 71.6819 |
| 56 | 92 | 1.34 | 2.2 | 1.46 | 92.0269 | 1.4561 | 5 | 2.06301 | 123.4422 | 3.37823 | 0 | 3.3782 | 26.241 | 1.5116 | 0.0018 | 5 | 0.9486 | 0.3325 | 2.4616 | 27.85407 |
| 57 | 45.9 | 2.04 | 2.12 | 4.43 | 45.926 | 4.4419 | 4 | 2.61644 | 124.8221 | 3.44064 | 0 | 3.4406 | 12.348 | 4.8017 | 0.0036 | 3 | 1 | 0.3075 | 3.045 | 12.34808 |
| 58 | 151.7 | 1.6 | 2.3 | 1.06 | 151.728 | 1.0545 | 6 | 1.80842 | 125.9592 | 3.50362 | 0 | 3.5036 | 42.306 | 1.0794 | 0.0011 | 5 | 0.8393 | 0.3661 | 2.1606 | 51.28005 |
| 59 | 55.2 | 2.06 | 2.11 | 3.73 | 55.2258 | 3.7301 | 4 | 2.50622 | 125.3433 | 3.56629 | 0 | 3.5663 | 14.486 | 3.9877 | 0.0029 | 3 | 1 | 0.2967 | 2.9405 | 14.48551 |
| 60 | 103.3 | 1.76 | 2.2 | 1.71 | 103.327 | 1.7033 | 5 | 2.07307 | 125.7196 | 3.62915 | 0 | 3.6292 | 27.471 | 1.7653 | 0.0016 | 5 | 0.9721 | 0.3018 | 2.4933 | 28.43267 |
| 61 | 116.1 | 2.24 | 2.3 | 1.93 | 116.128 | 1.9289 | 5 | 2.07598 | 127.769 | 3.69304 | 0 | 3.693 | 30.445 | 1.9923 | 0.0015 | 5 | 0.9736 | 0.2961 | 2.4896 | 31.46503 |
| 62 | 186.4 | 1.95 | 2.3 | 1.05 | 186.428 | 1.046 | 6 | 1.74202 | 127.9091 | 3.75699 | 0 | 3.757 | 48.622 | 1.0675 | 0.0009 | 5 | 0.8283 | 0.3501 | 2.1 | 60.43599 |
| 63 | 203.2 | 1.92 | 2.2 | 0.94 | 203.227 | 0.9448 | 6 | 1.68425 | 128.006 | 3.82099 | 0 | 3.821 | 52.187 | 0.9629 | 0.0008 | 6 | 0.8081 | 0.3543 | 2.0386 | 66.7699 |
| 64 | 205.7 | 2.26 | 2.2 | 1.1 | 205.727 | 1.0985 | 6 | 1.72771 | 129.2288 | 3.88561 | 0 | 3.8856 | 51.946 | 1.1197 | 0.0008 | 5 | 0.83 | 0.3397 | 2.0883 | 64.80573 |
| 65 | 141.6 | 2.31 | 2.3 | 1.63 | 141.628 | 1.631 | 6 | 1.96383 | 128.4784 | 3.94985 | 0 | 3.9499 | 34.857 | 1.6778 | 0.0012 | 5 | 0.9466 | 0.2874 | 2.3846 | 37.39841 |
| 66 | 119.1 | 2.75 | 2.31 | 2.31 | 119.128 | 2.3084 | 5 | 2.12581 | 129.3321 | 4.01451 | 0 | 4.0145 | 28.674 | 2.3889 | 0.0014 | 4 | 1 | 0.2636 | 2.5699 | 28.6744 |
| 67 | 105.7 | 3.46 | 2.58 | 3.27 | 105.732 | 3.2724 | 5 | 2.27412 | 130.7216 | 4.07987 | 0 | 4.0799 | 24.915 | 3.4038 | 0.0018 | 4 | 1 | 0.2594 | 2.7146 | 24.9154 |
| 68 | 167.2 | 2.17 | 2.49 | 1.3 | 167.23 | 1.2976 | 6 | 1.84208 | 128.4262 | 4.14409 | 0 | 4.1441 | 39.354 | 1.3306 | 0.0011 | 5 | 0.9085 | 0.2893 | 2.2631 | 44.5886 |
| 69 | 193.2 | 1.37 | 2.39 | 0.71 | 193.229 | 0.709 | 6 | 1.61451 | 125.4134 | 4.20679 | 0 | 4.2068 | 44.933 | 0.7248 | 0.0009 | 6 | 0.8204 | 0.3223 | 2.0224 | 57.57352 |
| 70 | 150.1 | 1.53 | 2.01 | 1.02 | 150.125 | 1.0192 | 6 | 1.80164 | 125.606 | 4.2696 | 0 | 4.2696 | 34.161 | 1.049 | 0.001 | 5 | 0.9114 | 0.2804 | 2.2549 | 38.65725 |
| 71 | 142.1 | 2.53 | 2.24 | 1.78 | 142.127 | 1.7801 | 6 | 1.99067 | 129.1526 | 4.33417 | 0 | 4.3342 | 31.792 | 1.8361 | 0.0012 | 5 | 0.9938 | 0.2463 | 2.4615 | 32.07247 |
| 72 | 150.3 | 1.91 | 2.28 | 1.27 | 150.328 | 1.2706 | 6 | 1.86782 | 127.2325 | 4.39779 | 0 | 4.3978 | 33.183 | 1.3089 | 0.0011 | 5 | 0.9502 | 0.2583 | 2.3382 | 35.62087 |
| 73 | 193.5 | 2.33 | 2.25 | 1.2 | 193.528 | 1.204 | 6 | 1.77492 | 129.3029 | 4.46244 | 0 | 4.4624 | 42.368 | 1.2324 | 0.0009 | 5 | 0.9047 | 0.272 | 2.2133 | 48.59869 |
| 74 | 132.4 | 3.29 | 2.2 | 2.48 | 132.427 | 2.4844 | 5 | 2.11963 | 130.9021 | 4.52789 | 0 | 4.5279 | 28.247 | 2.5723 | 0.0012 | 4 | 1 | 0.2337 | 2.5951 | 28.24693 |
| 75 | 110.7 | 4.32 | 2.3 | 3.9 | 110.728 | 3.9015 | 8 | 2.32031 | 132.4585 | 4.59412 | 0 | 4.5941 | 23.102 | 4.0703 | 0.0016 | 3 | 1 | 0.2303 | 2.79 | 23.10214 |
| 76 | 106.6 | 3.07 | 2.39 | 2.88 | 106.629 | 2.8791 | 5 | 2.22957 | 129.8672 | 4.65905 | 0 | 4.6591 | 21.886 | 3.0107 | 0.0017 | 4 | 1 | 0.2271 | 2.7243 | 21.88646 |
| 77 | 64.9 | 3.7 | 2.39 | 5.7 | 64.9293 | 5.6985 | 4 | 2.59481 | 130.0231 | 4.72407 | 0 | 4.7241 | 12.744 | 6.1457 | 0.0029 | 3 | 1 | 0.224 | 3.1026 | 12.74436 |
| 78 | 46.5 | 3.33 | 2.3 | 7.16 | 46.5282 | 7.157 | 3 | 2.76437 | 128.4394 | 4.78829 | 0 | 4.7883 | 8.7171 | 7.978 | 0.004 | 3 | 1 | 0.221 | 3.3017 | 8.71708 |
| 79 | 56.8 | 3.83 | 2.3 | 6.74 | 56.8282 | 6.7396 | 3 | 2.68782 | 129.9507 | 4.85326 | 0 | 4.8533 | 10.709 | 7.3689 | 0.0032 | 3 | 1 | 0.218 | 3.2112 | 10.70927 |
| 80 | 63.6 | 4.42 | 2.3 | 6.94 | 63.6282 | 6.9466 | 9 | 2.66646 | 131.2747 | 4.9189 | 0 | 4.9189 | 11.935 | 7.5286 | 0.0028 | 3 | 1 | 0.2151 | 3.1817 | 11.93545 |
| 81 | 92 | 4.91 | 2.11 | 5.33 | 92.0258 | 5.3355 | 9 | 2.47675 | 132.944 | 4.98537 | 0 | 4.9854 | 17.459 | 5.6411 | 0.0018 | 3 | 1 | 0.2122 | 2.9749 | 17.45918 |
| 82 | 115 | 5.08 | 2.11 | 4.42 | 115.026 | 4.4164 | 9 | 2.35246 | 133.7372 | 5.05224 | 0 | 5.0522 | 21.767 | 4.6193 | 0.0014 | 3 | 1 | 0.2094 | 2.8457 | 21.7673 |
| 83 | 128.5 | 4.79 | 2.2 | 3.72 | 128.527 | 3.7269 | 8 | 2.26464 | 133.5778 | 5.11903 | 0 | 5.119 | 24.108 | 3.8814 | 0.0013 | 4 | 1 | 0.2067 | 2.7625 | 24.10768 |
| 84 | 193.7 | 2.34 | 2.25 | 1.21 | 193.728 | 1.2079 | 6 | 1.77565 | 129.3368 | 5.1837 | 0 | 5.1837 | 36.372 | 1.2411 | 0.0009 | 5 | 0.9732 | 0.213 | 2.3024 | 37.95585 |
| 85 | 217.7 | 2.29 | 2.37 | 1.05 | 217.729 | 1.0518 | 6 | 1.69709 | 129.4636 | 5.24843 | 0 | 5.2484 | 40.485 | 1.0778 | 0.0008 | 5 | 0.9407 | 0.2217 | 2.2106 | 44.51594 |
| 86 | 203.8 | 3.58 | 2.49 | 1.76 | 203.83 | 1.7564 | 6 | 1.88413 | 132.572 | 5.31471 | 0 | 5.3147 | 37.352 | 1.8034 | 0.0009 | 5 | 1 | 0.1991 | 2.4042 | 37.35211 |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 87 | 236.9 | 3.45 | 2.58 | 1.46 | 236.932 | 1.4561 | 6 | 1.77973 | 132.6684 | 5.38105 | 0 | 5.3811 | 43.031 | 1.49 | 0.0008 | 5 | 0.9787 | 0.2036 | 2.2929 | 44.54812 |
| 88 | 250.3 | 2.54 | 2.49 | 1.01 | 250.33 | 1.0147 | 6 | 1.64472 | 130.5621 | 5.44633 | 0 | 5.4463 | 44.963 | 1.0372 | 0.0007 | 5 | 0.9295 | 0.2181 | 2.1563 | 50.46667 |
| 89 | 111.1 | 3.54 | 2.49 | 3.19 | 111.13 | 3.1854 | 5 | 2.25123 | 131.0104 | 5.51183 | 0 | 5.5118 | 19.162 | 3.3517 | 0.0017 | 4 | 1 | 0.192 | 2.7985 | 19.16216 |
| 90 | 197 | 2.39 | 2.68 | 1.21 | 197.033 | 1.213 | 6 | 1.77201 | 129.5327 | 5.5766 | 0 | 5.5766 | 34.332 | 1.2483 | 0.001 | 5 | 1 | 0.1897 | 2.3397 | 34.33206 |
| 91 | 200.4 | 2.26 | 2.68 | 1.13 | 200.433 | 1.1276 | 6 | 1.74371 | 129.1652 | 5.64118 | 0 | 5.6412 | 34.53 | 1.1602 | 0.001 | 5 | 1 | 0.1876 | 2.3199 | 34.53028 |
| 92 | 209.7 | 2.33 | 2.75 | 1.11 | 209.734 | 1.1109 | 6 | 1.72556 | 129.4991 | 5.70593 | 0 | 5.7059 | 35.757 | 1.142 | 0.001 | 5 | 0.9973 | 0.1863 | 2.3018 | 35.92334 |
| 93 | 214.5 | 1.94 | 2.77 | 0.91 | 214.534 | 0.9043 | 6 | 1.65419 | 128.2139 | 5.77004 | 0 | 5.77 | 36.181 | 0.9293 | 0.001 | 5 | 0.9755 | 0.1912 | 2.2354 | 37.71905 |
| 94 | 167.4 | 2.02 | 2.68 | 1.21 | 167.433 | 1.2065 | 6 | 1.81895 | 127.905 | 5.83399 | 0 | 5.834 | 27.7 | 7.25 | 0.0012 | 5 | 1 | 0.1814 | 2.4177 | 27.69952 |
| 95 | 224.9 | 2.04 | 2.77 | 0.91 | 224.934 | 0.9069 | 6 | 1.64071 | 128.6971 | 5.89834 | 0 | 5.8983 | 37.135 | 0.9314 | 0.0009 | 5 | 0.9786 | 0.1861 | 2.2281 | 38.52417 |
| 96 | 258.9 | 2.09 | 2.77 | 0.81 | 258.934 | 0.8072 | 6 | 1.56184 | 129.2177 | 5.96295 | 0 | 5.963 | 42.424 | 0.8262 | 0.0008 | 5 | 0.9436 | 0.1956 | 2.1291 | 46.77167 |
| 97 | 224.4 | 3.37 | 2.72 | 1.5 | 224.433 | 1.5016 | 6 | 1.80494 | 132.3646 | 6.02913 | 0 | 6.0291 | 36.225 | 1.543 | 0.0009 | 5 | 1 | 0.1755 | 2.3739 | 36.22481 |
| 98 | 252 | 2.48 | 2.84 | 0.99 | 252.035 | 0.984 | 6 | 1.63283 | 130.4037 | 6.09433 | 0 | 6.0943 | 40.356 | 1.0084 | 0.0008 | 5 | 0.9845 | 0.1784 | 2.22 | 41.46357 |
| 99 | 280.2 | 2.52 | 2.86 | 0.9 | 280.235 | 0.8993 | 6 | 1.57296 | 130.7794 | 6.15972 | 0 | 6.1597 | 44.495 | 0.9195 | 0.0008 | 5 | 0.9611 | 0.184 | 2.1475 | 47.64778 |
| 100 | 286.7 | 3.42 | 3.23 | 1.19 | 286.74 | 1.1927 | 6 | 1.66026 | 133.0699 | 6.22626 | 0 | 6.2263 | 45.053 | 1.2192 | 0.0008 | 5 | 0.9966 | 0.171 | 2.235 | 45.32904 |
| 101 | 184.9 | 3.09 | 3.05 | 1.67 | 184.937 | 1.6708 | 6 | 1.89442 | 131.2578 | 6.29189 | 0 | 6.2919 | 28.393 | 1.7297 | 0.0012 | 5 | 1 | 0.1682 | 2.4886 | 28.39298 |
| 102 | 178.6 | 1.96 | 2.68 | 1.1 | 178.633 | 1.0972 | 6 | 1.76984 | 127.8423 | 6.35581 | 0 | 6.3558 | 27.105 | 1.1377 | 0.0011 | 5 | 1 | 0.1665 | 2.4036 | 27.10544 |
| 103 | 101.1 | 3.61 | 2.69 | 3.57 | 101.133 | 3.5696 | 5 | 2.31542 | 130.9237 | 6.42127 | 0 | 6.4213 | 14.75 | 3.8116 | 0.002 | 3 | 1 | 0.1648 | 2.9223 | 14.74968 |
| 104 | 70.8 | 3.75 | 2.57 | 5.29 | 70.8315 | 5.2943 | 4 | 2.546 | 130.3335 | 6.48644 | 0 | 6.4864 | 9.9199 | 5.828 | 0.0029 | 3 | 1 | 0.1631 | 3.1718 | 9.91993 |
| 105 | 134.5 | 4.55 | 2.58 | 3.38 | 134.532 | 3.3821 | 5 | 2.21919 | 133.313 | 6.55309 | 0 | 6.5531 | 19.529 | 3.5553 | 0.0015 | 3 | 1 | 0.1615 | 2.8081 | 19.52948 |
| 106 | 144.7 | 4.35 | 2.26 | 3.01 | 144.728 | 3.0057 | 5 | 2.15928 | 133.1623 | 6.61967 | 0 | 6.6197 | 20.863 | 3.1497 | 0.0012 | 4 | 1 | 0.1598 | 2.7528 | 20.86326 |
| 107 | 67.8 | 4.06 | 2.11 | 5.98 | 67.8258 | 5.9859 | 4 | 2.59895 | 130.8089 | 6.68508 | 0 | 6.6851 | 9.1459 | 6.6404 | 0.0025 | 3 | 1 | 0.1583 | 3.2349 | 9.14585 |
| 108 | 144.4 | 4.66 | 2.2 | 3.23 | 144.427 | 3.2266 | 5 | 2.18413 | 133.6609 | 6.75191 | 0 | 6.7519 | 20.391 | 3.3848 | 0.0012 | 4 | 1 | 0.1567 | 2.7801 | 20.39053 |
| 109 | 125.3 | 4.22 | 2.3 | 3.36 | 125.328 | 3.3672 | 5 | 2.23676 | 132.5893 | 6.8182 | 0 | 6.8182 | 17.381 | 3.5609 | 0.0014 | 3 | 1 | 0.1552 | 2.848 | 17.3814 |
| 110 | 141.8 | 4.03 | 2.11 | 2.84 | 141.826 | 2.8415 | 5 | 2.14565 | 132.5538 | 6.88448 | 0 | 6.8845 | 19.601 | 2.9865 | 0.0011 | 4 | 1 | 0.1537 | 2.7597 | 19.6008 |
| 111 | 169.2 | 3.23 | 2.11 | 1.91 | 169.226 | 1.9087 | 6 | 1.96345 | 131.3655 | 6.95016 | 0 | 6.9502 | 23.348 | 1.9904 | 0.0009 | 4 | 1 | 0.1522 | 2.5932 | 23.34846 |
| 112 | 124.6 | 5.13 | 2.2 | 4.12 | 124.627 | 4.1163 | 9 | 2.30703 | 134.0044 | 7.01717 | 0 | 7.0172 | 16.76 | 4.3619 | 0.0014 | 3 | 1 | 0.1508 | 2.9158 | 16.76029 |
| 113 | 54.3 | 3.96 | 2.22 | 7.28 | 54.3272 | 7.2892 | 3 | 2.72643 | 130.0852 | 7.08221 | 0 | 7.0822 | 6.6709 | 8.3819 | 0.0034 | 3 | 1 | 0.1494 | 3.405 | 6.67094 |
| 114 | 68 | 4.48 | 2.2 | 6.59 | 68.0269 | 6.5856 | 9 | 2.63014 | 131.5364 | 7.14798 | 0 | 7.148 | 8.517 | 7.3589 | 0.0026 | 3 | 1 | 0.148 | 3.2871 | 8.51695 |
| 115 | 162.9 | 3.88 | 2.2 | 2.38 | 162.927 | 2.3814 | 5 | 2.04812 | 132.6145 | 7.21428 | 0 | 7.2143 | 21.584 | 2.4918 | 0.001 | 4 | 1 | 0.1467 | 2.6786 | 21.58393 |
| 116 | 100.8 | 5.76 | 2.11 | 5.71 | 100.826 | 5.7128 | 9 | 2.47606 | 134.335 | 7.28145 | 0 | 7.2815 | 12.847 | 6.1575 | 0.0016 | 3 | 1 | 0.1453 | 3.1005 | 12.84694 |
| 117 | 69.7 | 5.28 | 2.11 | 7.57 | 69.7258 | 7.5725 | 9 | 2.67078 | 132.7988 | 7.34785 | 0 | 7.3479 | 8.4893 | 8.4645 | 0.0024 | 3 | 1 | 0.144 | 3.3271 | 8.48928 |
| 118 | 126.6 | 4.63 | 2.2 | 3.66 | 126.627 | 3.6564 | 8 | 2.26207 | 133.2929 | 7.4145 | 0 | 7.4145 | 16.078 | 3.8838 | 0.0013 | 3 | 1 | 0.1427 | 2.8979 | 16.07829 |
| 119 | 153.5 | 4.9 | 2.2 | 3.19 | 153.527 | 3.1916 | 5 | 2.16425 | 134.1774 | 7.48159 | 0 | 7.4816 | 19.521 | 3.3551 | 0.0011 | 4 | 1 | 0.1414 | 2.7924 | 19.52064 |
| 120 | 165.1 | 5.76 | 2.3 | 3.49 | 165.128 | 3.4882 | 8 | 2.17641 | 135.5382 | 7.54936 | 0 | 7.5494 | 20.873 | 3.6553 | 0.0011 | 4 | 1 | 0.1402 | 2.7934 | 20.87315 |
| 121 | 199.9 | 4.68 | 2.39 | 2.34 | 199.929 | 2.3408 | 5 | 1.98769 | 134.4854 | 7.6166 | 0 | 7.6166 | 25.249 | 2.4335 | 0.0009 | 4 | 1 | 0.1389 | 2.6183 | 25.24915 |
| 122 | 158 | 4.72 | 2.39 | 2.99 | 158.029 | 2.9868 | 5 | 2.13373 | 133.974 | 7.68359 | 0 | 7.6836 | 19.567 | 3.1394 | 0.0011 | 4 | 1 | 0.1377 | 2.7737 | 19.56712 |
| 123 | 41.1 | 2.41 | 2.49 | 5.87 | 41.1305 | 5.8594 | 3 | 2.7363 | 125.7727 | 7.74647 | 0 | 7.7465 | 4.3096 | 7.219 | 0.0054 | 3 | 1 | 0.1366 | 3.5158 | 4.30958 |
| 124 | 37.5 | 2.27 | 2.49 | 6.04 | 37.5305 | 6.0484 | 3 | 2.77372 | 125.1114 | 7.80903 | 0 | 7.809 | 3.806 | 7.6376 | 0.006 | 2 | 1 | 0.1355 | 3.5738 | 3.80604 |
| 125 | 59.9 | 3.94 | 2.39 | 6.58 | 59.9293 | 6.5744 | 3 | 2.66469 | 130.2875 | 7.87417 | 0 | 7.8742 | 6.6109 | 7.5689 | 0.0033 | 3 | 1 | 0.1344 | 3.3804 | 6.61087 |
| 126 | 290.1 | 3.43 | 2.11 | 1.18 | 290.126 | 1.1823 | 6 | 1.65409 | 133.1199 | 7.94073 | 0 | 7.9407 | 35.536 | 1.2155 | 0.0005 | 5 | 1 | 0.1333 | 2.3208 | 35.53641 |
| 127 | 388.1 | 5.87 | 2.3 | 1.51 | 388.128 | 1.5124 | 6 | 1.66706 | 137.28 | 8.00937 | 0 | 8.0094 | 47.459 | 1.5443 | 0.0004 | 5 | 1 | 0.1321 | 2.2807 | 47.45926 |
| 128 | 157.5 | 5.99 | 2.69 | 3.81 | 157.533 | 3.8024 | 8 | 2.21874 | 135.7099 | 8.07723 | 0 | 8.0772 | 18.503 | 4.0079 | 0.0013 | 3 | 1 | 0.131 | 2.8592 | 18.50335 |
| 129 | 297.7 | 4.12 | 3.05 | 1.38 | 297.737 | 1.3838 | 6 | 1.70127 | 134.5242 | 8.14449 | 0 | 8.1445 | 35.557 | 1.4227 | 0.0008 | 5 | 1 | 0.1299 | 2.3597 | 35.55691 |
| 130 | 203.2 | 4.84 | 2.94 | 2.38 | 203.236 | 2.3815 | 5 | 1.98941 | 134.7714 | 8.21187 | 0 | 8.2119 | 23.749 | 2.4817 | 0.0011 | 4 | 1 | 0.1289 | 2.6446 | 23.74904 |
| 131 | 168.1 | 6.22 | 2.98 | 3.7 | 168.136 | 3.6994 | 8 | 2.19259 | 136.1445 | 8.27995 | 0 | 8.28 | 19.306 | 3.891 | 0.0013 | 3 | 1 | 0.1278 | 2.8368 | 19.30647 |
| 132 | 218.5 | 3.46 | 3.05 | 1.58 | 218.537 | 1.5833 | 6 | 1.83007 | 132.4925 | 8.34619 | 0 | 8.3462 | 25.184 | 1.6461 | 0.001 | 5 | 1 | 0.1268 | 2.5187 | 25.18408 |
| 133 | 151.5 | 6.09 | 3.05 | 4.02 | 151.537 | 4.0188 | 8 | 2.2481 | 135.7364 | 8.41406 | 0 | 8.4141 | 17.01 | 4.2551 | 0.0015 | 3 | 1 | 0.1258 | 2.904 | 17.01001 |
| 134 | 231.2 | 3.87 | 3.05 | 1.67 | 231.237 | 1.6736 | 6 | 1.8336 | 133.4497 | 8.48079 | 0 | 8.4808 | 26.266 | 1.7373 | 0.001 | 4 | 1 | 0.1248 | 2.5172 | 26.26603 |
| 135 | 225.9 | 2.87 | 2.96 | 1.27 | 225.936 | 1.2703 | 6 | 1.74744 | 131.2057 | 8.54639 | 0 | 8.5464 | 25.436 | 1.3202 | 0.001 | 5 | 1 | 0.1238 | 2.4616 | 25.43646 |
| 136 | 90 | 4.69 | 2.82 | 5.21 | 90.0345 | 5.2091 | 9 | 2.47448 | 132.5552 | 8.61267 | 0 | 8.6127 | 9.4537 | 5.7601 | 0.0025 | 3 | 1 | 0.1229 | 3.185 | 9.45373 |
| 137 | 65.6 | 3.83 | 2.86 | 5.84 | 65.635 | 5.8353 | 4 | 2.59963 | 130.3021 | 8.67782 | 0 | 8.6778 | 6.5635 | 6.7244 | 0.0036 | 3 | 1 | 0.1219 | 3.3512 | 6.56354 |
| 138 | 149.5 | 5.65 | 2.97 | 3.78 | 149.536 | 3.7784 | 8 | 2.22983 | 135.1553 | 8.74539 | 0 | 8.7454 | 16.099 | 4.013 | 0.0015 | 3 | 1 | 0.121 | 2.9064 | 16.09887 |
| 139 | 126.7 | 4.64 | 2.77 | 3.66 | 126.734 | 3.6612 | 8 | 2.26229 | 133.3107 | 8.81205 | 0 | 8.8121 | 13.382 | 3.9348 | 0.0017 | 3 | 1 | 0.1201 | 2.9641 | 13.38189 |
| 140 | 65.9 | 3.44 | 3.21 | 5.22 | 65.9393 | 5.2169 | 4 | 2.56135 | 129.5276 | 8.87681 | 0 | 8.8768 | 6.4283 | 6.0285 | 0.0041 | 3 | 1 | 0.1192 | 3.3297 | 6.42826 |
| 141 | 142.2 | 6.81 | 3.46 | 4.79 | 142.242 | 4.7876 | 9 | 2.32596 | 136.3996 | 8.94501 | 0 | 8.945 | 14.902 | 5.1089 | 0.0019 | 3 | 1 | 0.1183 | 2.9989 | 14.90186 |
| 142 | 69.5 | 3.23 | 3.46 | 4.65 | 69.5424 | 4.6447 | 4 | 2.50811 | 129.1965 | 9.00961 | 0 | 9.0096 | 6.7187 | 5.336 | 0.0041 | 3 | 1 | 0.1174 | 3.2826 | 6.71868 |
| 143 | 71.8 | 5.32 | 3.65 | 7.4 | 71.8447 | 7.4049 | 9 | 2.6551 | 132.927 | 9.07608 | 0 | 9.0761 | 6.9158 | 8.4756 | 0.0042 | 3 | 1 | 0.1166 | 3.3959 | 6.91583 |
| 144 | 189.9 | 6.54 | 3.65 | 3.44 | 189.945 | 3.4431 | 8 | 2.13666 | 136.809 | 9.14448 | 0 | 9.1445 | 19.772 | 3.6173 | 0.0015 | 3 | 1 | 0.1157 | 2.8087 | 19.77151 |
| 145 | 243.3 | 4.17 | 3.84 | 1.71 | 243.347 | 1.7136 | 6 | 1.82817 | 134.1205 | 9.21154 | 0 | 9.2115 | 25.418 | 1.781 | 0.0012 | 4 | 1 | 0.1149 | 2.5351 | 25.41762 |
| 146 | 252.7 | 4.54 | 3.94 | 1.8 | 252.748 | 1.7963 | 6 | 1.83463 | 134.8349 | 9.27896 | 0 | 9.279 | 26.239 | 1.8647 | 0.0012 | 4 | 1 | 0.114 | 2.5355 | 26.23886 |
| 147 | 278.7 | 5.09 | 4.13 | 1.83 | 278.751 | 1.826 | 6 | 1.81546 | 135.9105 | 9.34691 | 0 | 9.3469 | 28.823 | 1.8894 | 0.0011 | 4 | 1 | 0.1132 | 2.506 | 28.82274 |
| 148 | 373.5 | 7.29 | 4.51 | 1.95 | 373.555 | 1.9515 | 6 | 1.76964 | 137.28 | 9.41555 | 0 | 9.4156 | 38.674 | 2.002 | 0.0009 | 5 | 1 | 0.1124 | 2.4205 | 38.67427 |
| 149 | 278.4 | 5.26 | 4.51 | 1.89 | 278.455 | 1.889 | 6 | 1.82777 | 136.1483 | 9.48363 | 0 | 9.4836 | 28.362 | 1.9556 | 0.0012 | 4 | 1 | 0.1116 | 2.5206 | 28.36168 |
| 150 | 355.1 | 6.15 | 4.79 | 1.73 | 355.159 | 1.7316 | 6 | 1.73736 | 137.28 | 9.55227 | 0 | 9.5523 | 36.181 | 1.7795 | 0.001 | 5 | 1 | 0.1108 | 2.4116 | 36.18056 |
| 151 | 367.6 | 5.38 | 4.6 | 1.46 | 367.656 | 1.4633 | 6 | 1.66804 | 136.9911 | 9.62076 | 0 | 9.6208 | 37.215 | 1.5026 | 0.0009 | 5 | 1 | 0.11 | 2.3576 | 37.21488 |
| 152 | 175.2 | 5.74 | 4.41 | 3.28 | 175.254 | 3.2753 | 8 | 2.1391 | 135.6579 | 9.68859 | 0 | 9.6886 | 17.089 | 3.4669 | 0.0019 | 3 | 1 | 0.1092 | 2.8466 | 17.0887 |
| 153 | 339.9 | 4.87 | 4.7 | 1.43 | 339.958 | 1.4325 | 6 | 1.67965 | 136.0713 | 9.75663 | 0 | 9.7566 | 33.844 | 1.4749 | 0.001 | 5 | 1 | 0.1085 | 2.3863 | 33.84376 |
| 154 | 463.6 | 5.45 | 4.59 | 1.18 | 463.656 | 1.1754 | 6 | 1.53322 | 137.28 | 9.82527 | 0 | 9.8253 | 46.19 | 1.2009 | 0.0007 | 5 | 1 | 0.1077 | 2.2245 | 46.19019 |
| 155 | 107.1 | 5.72 | 4.41 | 5.34 | 107.154 | 5.3381 | 9 | 2.43663 | 134.4325 | 9.89248 | 0 | 9.8925 | 9.8319 | 5.8811 | 0.0033 | 3 | 1 | 0.107 | 3.1773 | 9.83186 |
| 156 | 109.6 | 4.49 | 4.35 | 4.1 | 109.653 | 4.0947 | 9 | 2.33937 | 132.7172 | 9.95884 | 0 | 9.9588 | 10.011 | 4.5038 | 0.0031 | 3 | 1 | 0.1063 | 3.0998 | 10.01064 |
| 157 | 238.3 | 3.99 | 3.88 | 1.67 | 238.347 | 1.674 | 6 | 1.82561 | 133.747 | 10.02572 | 0 | 10.026 | 22.774 | 1.7475 | 0.0012 | 4 | 1 | 0.1055 | 2.5694 | 22.77361 |
| 158 | 342.6 | 8.45 | 4.12 | 2.47 | 342.65 | 2.4661 | 8 | 1.87605 | 137.28 | 10.09436 | 0 | 10.094 | 32.945 | 2.5409 | 0.0009 | 4 | 1 | 0.1048 | 2.54 | 32.94476 |

| | CPT-10 | In situ data | | | Basic output data | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth (ft) | qc (tsf) | fs (tsf) | u (psi) | Other | qt (tsf) | Rf(%) | SBT | Ic SBT | ã (pcf) | ó,v (tsf) | u0 (tsf) | ó',vo (tsf) | Qt1 | Fr (%) | Bq | SBTn | n | Cn | Ic | Qtn |
| 1 | 125.9 | 0.18 | 0.08 | 0.14 | 125.901 | 0.143 | 6 | 1.44411 | 109.518 | 0.05476 | 0 | 0.0548 | 2298.2 | 0.143 | 5E-05 | 7 | 0.2931 | 2 | 1.1563 | 237.8703 |
| 2 | 72.2 | 0.15 | -0.1 | 0.2 | 72.1988 | 0.2078 | 6 | 1.72205 | 106.8276 | 0.10817 | 0 | 0.1082 | 666.44 | 0.2081 | -1E-04 | 6 | 0.4038 | 2 | 1.44 | 136.2632 |
| 3 | 52.6 | 0.17 | 0.07 | 0.32 | 52.6009 | 0.3232 | 6 | 1.91769 | 106.9711 | 0.16166 | 0 | 0.1617 | 324.38 | 0.3242 | 0.0001 | 6 | 0.4844 | 2 | 1.6451 | 99.1188 |
| 4 | 61.6 | 0.18 | 0.04 | 0.29 | 61.6005 | 0.2922 | 6 | 1.83766 | 107.7745 | 0.21555 | 0 | 0.2156 | 284.79 | 0.2932 | 5E-05 | 6 | 0.4562 | 2 | 1.5645 | 116.0278 |
| 5 | 63.5 | 0.15 | 0 | 0.24 | 63.5 | 0.2362 | 6 | 1.79278 | 106.5145 | 0.2688 | 0 | 0.2688 | 235.23 | 0.2372 | 0 | 6 | 0.4506 | 1.8542 | 1.5447 | 110.8068 |
| 6 | 66.4 | 0.15 | 0 | 0.23 | 66.4 | 0.2259 | 6 | 1.7681 | 106.6234 | 0.32211 | 0 | 0.3221 | 205.14 | 0.227 | 0 | 6 | 0.455 | 1.718 | 1.5504 | 107.2885 |
| 7 | 75.4 | 0.16 | 0 | 0.21 | 75.4 | 0.2122 | 6 | 1.70708 | 107.4057 | 0.37582 | 0 | 0.3758 | 199.63 | 0.2133 | 0 | 6 | 0.4463 | 1.5872 | 1.5212 | 112.5383 |
| 8 | 73.2 | 0.17 | -0.1 | 0.23 | 73.1988 | 0.2322 | 6 | 1.73214 | 107.777 | 0.42971 | 0 | 0.4297 | 169.35 | 0.2336 | -1E-04 | 6 | 0.4657 | 1.5215 | 1.5652 | 104.6368 |
| 9 | 56.9 | 0.13 | -0.19 | 0.23 | 56.8977 | 0.2285 | 6 | 1.83322 | 105.1997 | 0.48231 | 0 | 0.4823 | 116.97 | 0.2304 | -2E-04 | 6 | 0.5098 | 1.4926 | 1.6738 | 79.58026 |
| 10 | 77.2 | 0.29 | -0.19 | 0.38 | 77.1977 | 0.3757 | 6 | 1.79274 | 111.8146 | 0.53821 | 0 | 0.5382 | 142.43 | 0.3783 | -2E-04 | 6 | 0.509 | 1.4107 | 1.6642 | 102.2038 |
| 11 | 94 | 0.29 | -0.38 | 0.31 | 93.9954 | 0.3085 | 6 | 1.67864 | 112.2948 | 0.59436 | 0 | 0.5944 | 157.15 | 0.3105 | -3E-04 | 6 | 0.4777 | 1.3172 | 1.5747 | 116.2724 |
| 12 | 54.6 | 0.18 | -0.48 | 0.34 | 54.5941 | 0.3297 | 6 | 1.9061 | 107.48 | 0.6481 | 0 | 0.6481 | 83.237 | 0.3337 | -6E-04 | 6 | 0.5671 | 1.3205 | 1.8023 | 67.32222 |
| 13 | 67.3 | 0.25 | -0.45 | 0.37 | 67.2945 | 0.3715 | 6 | 1.8443 | 110.3938 | 0.7033 | 0 | 0.7033 | 94.684 | 0.3754 | -5E-04 | 6 | 0.5545 | 1.2542 | 1.7621 | 78.93056 |
| 14 | 54.8 | 0.29 | -0.67 | 0.52 | 54.7918 | 0.5293 | 6 | 1.99334 | 110.9785 | 0.75879 | 0 | 0.7588 | 71.21 | 0.5367 | -9E-04 | 6 | 0.6186 | 1.2284 | 1.9234 | 62.72839 |
| 15 | 53 | 0.28 | -0.75 | 0.52 | 52.9908 | 0.5284 | 6 | 2.0058 | 110.6402 | 0.81411 | 0 | 0.8141 | 64.091 | 0.5366 | -0.001 | 6 | 0.6321 | 1.1802 | 1.9517 | 58.19768 |
| 16 | 52.5 | 0.32 | -0.76 | 0.6 | 52.4907 | 0.6096 | 6 | 2.03932 | 111.5941 | 0.8699 | 0 | 0.8699 | 59.341 | 0.6199 | -0.001 | 6 | 0.6538 | 1.1366 | 2.0011 | 55.45042 |
| 17 | 103.1 | 0.26 | -0.86 | 0.25 | 103.089 | 0.2522 | 6 | 1.60651 | 111.721 | 0.92576 | 0 | 0.9258 | 110.36 | 0.2545 | -6E-04 | 6 | 0.4977 | 1.0688 | 1.5851 | 103.1918 |
| 18 | 114.7 | 0.43 | -0.95 | 0.38 | 114.688 | 0.3749 | 6 | 1.64 | 115.6623 | 0.9836 | 0 | 0.9836 | 115.6 | 0.3782 | -6E-04 | 6 | 0.5179 | 1.0385 | 1.6307 | 111.6019 |
| 19 | 119 | 0.36 | -0.95 | 0.31 | 118.988 | 0.3026 | 6 | 1.58264 | 114.452 | 1.04082 | 0 | 1.0408 | 113.32 | 0.3052 | -6E-04 | 6 | 0.5029 | 1.0083 | 1.5845 | 112.3975 |
| 20 | 83.6 | 0.35 | -1.05 | 0.42 | 83.5872 | 0.4187 | 6 | 1.78361 | 113.3846 | 1.09751 | 0 | 1.0975 | 75.16 | 0.4243 | -9E-04 | 6 | 0.5875 | 0.9788 | 1.7996 | 76.30264 |
| 21 | 87.1 | 0.3 | -1.14 | 0.34 | 87.0861 | 0.3445 | 6 | 1.72917 | 112.3567 | 1.15369 | 0 | 1.1537 | 74.485 | 0.3491 | -1E-03 | 6 | 0.5737 | 0.9516 | 1.7563 | 77.2818 |
| 22 | 33.2 | 0.38 | -1.14 | 1.13 | 33.1861 | 1.1451 | 5 | 2.35168 | 111.7332 | 1.20956 | 0 | 1.2096 | 26.436 | 1.1884 | -0.003 | 5 | 0.8271 | 0.8953 | 2.4144 | 27.05507 |
| 23 | 75.1 | 1.02 | -0.98 | 1.36 | 75.088 | 1.3584 | 5 | 2.10991 | 120.9495 | 1.27003 | 0 | 1.27 | 58.123 | 1.3818 | -1E-03 | 5 | 0.7352 | 0.8744 | 2.1654 | 61.00204 |
| 24 | 136.9 | 0.59 | -1.2 | 0.43 | 136.885 | 0.431 | 6 | 1.60462 | 118.4085 | 1.32924 | 0 | 1.3292 | 101.98 | 0.4352 | -6E-04 | 6 | 0.5439 | 0.8833 | 1.6563 | 113.1634 |
| 25 | 155.7 | 0.95 | -1.25 | 0.61 | 155.685 | 0.6102 | 6 | 1.64527 | 122.2077 | 1.39034 | 0 | 1.3903 | 110.98 | 0.6157 | -6E-04 | 6 | 0.565 | 0.857 | 1.7043 | 124.9715 |
| 26 | 149 | 0.55 | -1.03 | 0.37 | 148.987 | 0.3692 | 6 | 1.5381 | 118.1014 | 1.44939 | 0 | 1.4494 | 101.79 | 0.3728 | -5E-04 | 6 | 0.5307 | 0.8462 | 1.6066 | 117.9933 |
| 27 | 95.6 | 0.55 | -1.42 | 0.58 | 95.5826 | 0.5754 | 6 | 1.80361 | 117.0188 | 1.5079 | 0 | 1.5079 | 62.388 | 0.5846 | -0.001 | 6 | 0.6441 | 0.796 | 1.8971 | 70.77119 |
| 28 | 66.2 | 1.22 | -1.48 | 1.85 | 66.1819 | 1.8434 | 5 | 2.238 | 121.9516 | 1.56888 | 0 | 1.5689 | 41.184 | 1.8882 | -0.002 | 5 | 0.8237 | 0.7229 | 2.3599 | 44.14593 |
| 29 | 56.3 | 1.15 | -1.65 | 2.04 | 56.2798 | 2.0434 | 5 | 2.32037 | 121.124 | 1.62944 | 0 | 1.6294 | 33.539 | 2.1043 | -0.002 | 5 | 0.8657 | 0.6882 | 2.4627 | 35.5421 |
| 30 | 52.3 | 1.05 | -1.78 | 2.02 | 52.2782 | 2.0085 | 5 | 2.33967 | 120.2784 | 1.68958 | 0 | 1.6896 | 29.942 | 2.0756 | -0.003 | 4 | 0.8822 | 0.6618 | 2.4986 | 31.63847 |
| 31 | 52.6 | 0.97 | -1.81 | 1.85 | 52.5779 | 1.8449 | 5 | 2.31392 | 119.7125 | 1.74943 | 0 | 1.7494 | 29.054 | 1.9084 | -0.003 | 5 | 0.8799 | 0.6425 | 2.4849 | 30.86269 |
| 32 | 72.1 | 1.33 | -1.84 | 1.84 | 72.0775 | 1.8452 | 5 | 2.21071 | 122.7914 | 1.81083 | 0 | 1.8108 | 38.804 | 1.8928 | -0.002 | 5 | 0.8406 | 0.6366 | 2.3752 | 42.27447 |
| 33 | 133 | 1.27 | -1.72 | 0.96 | 132.979 | 0.955 | 6 | 1.82181 | 123.9474 | 1.8728 | 0 | 1.8728 | 70.005 | 0.9687 | -9E-04 | 6 | 0.686 | 0.6759 | 1.9617 | 83.75057 |
| 34 | 155.7 | 1.68 | -1.89 | 1.08 | 155.677 | 1.0792 | 6 | 1.80727 | 126.3789 | 1.93599 | 0 | 1.936 | 79.412 | 1.0928 | -9E-04 | 6 | 0.6839 | 0.6616 | 1.9482 | 96.12254 |
| 35 | 123.2 | 1.2 | -1.9 | 0.98 | 123.177 | 0.9742 | 6 | 1.85258 | 123.3458 | 1.99767 | 0 | 1.9977 | 60.66 | 0.9903 | -0.001 | 6 | 0.7125 | 0.6358 | 2.0157 | 72.81913 |
| 36 | 117.1 | 1.21 | -1.9 | 1.04 | 117.077 | 1.0335 | 6 | 1.88605 | 123.2827 | 2.05931 | 0 | 2.0593 | 55.852 | 1.052 | -0.001 | 5 | 0.733 | 0.6138 | 2.0618 | 66.71859 |
| 37 | 105.1 | 1.29 | -1.9 | 1.23 | 105.077 | 1.2277 | 6 | 1.97066 | 123.4874 | 2.12105 | 0 | 2.1211 | 48.54 | 1.253 | -0.001 | 5 | 0.7747 | 0.5835 | 2.1636 | 56.77277 |
| 38 | 100.6 | 1.16 | -1.85 | 1.16 | 100.577 | 1.1533 | 6 | 1.96712 | 122.6034 | 2.18235 | 0 | 2.1824 | 45.087 | 1.1789 | -0.001 | 5 | 0.7811 | 0.5681 | 2.1726 | 52.82934 |
| 39 | 72.7 | 1.24 | -2 | 1.71 | 72.6755 | 1.7062 | 5 | 2.1853 | 122.2989 | 2.2435 | 0 | 2.2435 | 31.394 | 1.7606 | -0.002 | 5 | 0.8807 | 0.5159 | 2.4268 | 34.33778 |
| 40 | 80.1 | 1.29 | -2 | 1.62 | 80.0755 | 1.611 | 5 | 2.13728 | 122.8246 | 2.30491 | 0 | 2.3049 | 33.741 | 1.6587 | -0.002 | 5 | 0.8663 | 0.5094 | 2.3812 | 37.44314 |
| 41 | 64 | 1.78 | -2.09 | 2.79 | 63.9744 | 2.7824 | 5 | 2.37095 | 124.633 | 2.36723 | 0 | 2.3672 | 26.025 | 2.8893 | -0.002 | 4 | 0.9705 | 0.4577 | 2.6465 | 26.65114 |
| 42 | 117.6 | 1.5 | -2.1 | 1.28 | 117.574 | 1.2758 | 6 | 1.94579 | 124.865 | 2.42966 | 0 | 2.4297 | 47.391 | 1.3027 | -0.001 | 5 | 0.7946 | 0.5166 | 2.1773 | 56.21428 |
| 43 | 112.6 | 1.82 | -2 | 1.61 | 112.576 | 1.6167 | 5 | 2.03063 | 126.174 | 2.49275 | 0 | 2.4928 | 44.161 | 1.6533 | -0.001 | 5 | 0.8351 | 0.4889 | 2.2758 | 50.86582 |
| 44 | 127.7 | 2.32 | -2.02 | 1.81 | 127.675 | 1.8171 | 5 | 2.02886 | 128.257 | 2.55688 | 0 | 2.5569 | 48.934 | 1.8542 | -0.001 | 5 | 0.837 | 0.4778 | 2.2729 | 56.5037 |
| 45 | 125.8 | 1.86 | -2.04 | 1.48 | 125.775 | 1.4788 | 6 | 1.96919 | 126.6034 | 2.62018 | 0 | 2.6202 | 47.002 | 1.5103 | -0.001 | 5 | 0.821 | 0.475 | 2.2229 | 55.28602 |
| 46 | 71.7 | 2.6 | -2.5 | 3.62 | 71.6694 | 3.6278 | 4 | 2.41952 | 127.6824 | 2.68402 | 0 | 2.684 | 25.702 | 3.7689 | -0.003 | 4 | 1 | 0.3942 | 2.7332 | 25.70224 |
| 47 | 136.3 | 2.02 | -2.09 | 1.49 | 136.274 | 1.4823 | 6 | 1.94541 | 127.4028 | 2.74772 | 0 | 2.7477 | 48.595 | 1.5128 | -0.001 | 5 | 0.822 | 0.4564 | 2.2096 | 57.59378 |
| 48 | 155.8 | 1.33 | -2.09 | 0.85 | 155.774 | 0.8538 | 6 | 1.73808 | 124.6711 | 2.81006 | 0 | 2.8101 | 54.435 | 0.8695 | -1E-03 | 6 | 0.744 | 0.4835 | 1.9966 | 69.89904 |
| 49 | 137 | 1.76 | -2.16 | 1.28 | 136.974 | 1.2849 | 6 | 1.89994 | 126.4071 | 2.87326 | 0 | 2.8733 | 46.672 | 1.3125 | -0.001 | 5 | 0.8169 | 0.4422 | 2.1804 | 56.04193 |
| 50 | 61 | 1.68 | -2.25 | 2.76 | 60.9725 | 2.7553 | 5 | 2.3829 | 124.0927 | 2.93531 | 0 | 2.9353 | 19.772 | 2.8947 | -0.003 | 4 | 1 | 0.3605 | 2.7484 | 19.77207 |
| 51 | 68.1 | 1.47 | -2.49 | 2.16 | 68.0695 | 2.1596 | 5 | 2.27528 | 123.3842 | 2.997 | 0 | 2.997 | 21.713 | 2.259 | -0.003 | 4 | 1 | 0.3531 | 2.6511 | 21.71254 |
| 52 | 83.2 | 1.95 | -2.34 | 2.35 | 83.1714 | 2.3446 | 5 | 2.23775 | 125.9404 | 3.05997 | 0 | 3.06 | 26.18 | 2.4341 | -0.002 | 4 | 0.9857 | 0.3511 | 2.6008 | 26.57984 |
| 53 | 109.7 | 1.76 | -2.28 | 1.61 | 109.672 | 1.6048 | 5 | 2.03647 | 125.8649 | 3.1229 | 0 | 3.1229 | 34.119 | 1.6518 | -0.002 | 5 | 0.9031 | 0.3763 | 2.376 | 37.89263 |
| 54 | 79 | 2.53 | -1.53 | 3.2 | 78.9813 | 3.2033 | 5 | 2.35119 | 127.7196 | 3.18676 | 0 | 3.1868 | 23.784 | 3.338 | -0.001 | 4 | 1 | 0.332 | 2.7246 | 23.78416 |
| 55 | 169.3 | 2.53 | -2.29 | 1.49 | 169.272 | 1.4946 | 6 | 1.88344 | 129.5789 | 3.25155 | 0 | 3.2516 | 51.059 | 1.5239 | -1E-03 | 5 | 0.839 | 0.3899 | 2.1914 | 61.17577 |
| 56 | 216.1 | 3.91 | -2.21 | 1.81 | 216.073 | 1.8096 | 6 | 1.87848 | 133.3595 | 3.31823 | 0 | 3.3182 | 64.117 | 1.8378 | -8E-04 | 5 | 0.8332 | 0.3859 | 2.168 | 77.58372 |
| 57 | 153.3 | 1.72 | -2.28 | 1.12 | 153.272 | 1.1222 | 6 | 1.82393 | 126.5131 | 3.38149 | 0 | 3.3815 | 44.327 | 1.1475 | -0.001 | 5 | 0.833 | 0.3799 | 2.1592 | 53.8203 |
| 58 | 37.4 | 1.61 | -1.62 | 4.31 | 37.3802 | 4.3071 | 4 | 2.67052 | 122.5879 | 3.44278 | 0 | 3.4428 | 9.8575 | 4.744 | -0.003 | 3 | 1 | 0.3073 | 3.1188 | 9.85754 |
| 59 | 171.1 | 1.72 | -2.38 | 1.01 | 171.071 | 1.0054 | 6 | 1.75646 | 126.7811 | 3.50617 | 0 | 3.5062 | 47.791 | 1.0265 | -0.001 | 5 | 0.8142 | 0.377 | 2.0942 | 59.7036 |
| 60 | 48 | 1.7 | -2.38 | 3.54 | 47.9709 | 3.5438 | 4 | 2.53377 | 123.5943 | 3.56797 | 0 | 3.568 | 12.445 | 3.8286 | -0.004 | 3 | 1 | 0.2966 | 2.9819 | 12.44486 |
| 61 | 68.2 | 2.27 | -3.1 | 3.33 | 68.1621 | 3.3303 | 4 | 2.40731 | 126.5669 | 3.63125 | 0 | 3.6313 | 17.771 | 3.5177 | -0.003 | 3 | 1 | 0.2914 | 2.8371 | 17.77094 |
| 62 | 130 | 1.47 | -2.47 | 1.13 | 129.97 | 1.131 | 6 | 1.87831 | 124.9617 | 3.69374 | 0 | 3.6937 | 34.187 | 1.1641 | -0.001 | 5 | 0.892 | 0.3279 | 2.2757 | 39.12624 |
| 63 | 87.1 | 2.2 | -2.59 | 2.53 | 87.0683 | 2.5268 | 5 | 2.24716 | 126.9348 | 3.7572 | 0 | 3.7572 | 22.174 | 2.6407 | -0.002 | 4 | 1 | 0.2816 | 2.6846 | 22.1737 |
| 64 | 84.6 | 2.5 | -3.16 | 2.96 | 84.5613 | 2.9564 | 5 | 2.3055 | 127.7989 | 3.8211 | 0 | 3.8211 | 21.13 | 3.0964 | -0.003 | 4 | 1 | 0.2769 | 2.7438 | 21.13009 |
| 65 | 105.9 | 2.33 | -2.75 | 2.2 | 105.866 | 2.2009 | 5 | 2.14521 | 127.8316 | 3.88502 | 0 | 3.885 | 26.25 | 2.2847 | -0.002 | 4 | 1 | 0.2724 | 2.5882 | 26.2499 |
| 66 | 80.7 | 3.11 | -2.94 | 3.86 | 80.664 | 3.8555 | 4 | 2.40483 | 129.2813 | 3.94966 | 0 | 3.9497 | 19.423 | 4.054 | -0.003 | 3 | 1 | 0.2679 | 2.8462 | 19.42303 |
| 67 | 132.2 | 1.68 | -2.49 | 1.27 | 132.17 | 1.2711 | 6 | 1.90779 | 125.9796 | 4.01265 | 0 | 4.0127 | 31.938 | 1.3109 | -0.001 | 5 | 0.9356 | 0.2873 | 2.3469 | 34.80254 |
| 68 | 147.9 | 2.19 | -2.66 | 1.48 | 147.867 | 1.4811 | 6 | 1.92052 | 128.1932 | 4.07675 | 0 | 4.0768 | 35.271 | 1.5231 | -0.001 | 5 | 0.9403 | 0.2813 | 2.3517 | 38.22941 |
| 69 | 136.7 | 2 | -2.66 | 1.46 | 136.667 | 1.4634 | 6 | 1.94055 | 127.337 | 4.14041 | 0 | 4.1404 | 32.008 | 1.5091 | -0.001 | 5 | 0.958 | 0.2706 | 2.3916 | 33.89464 |
| 70 | 121.5 | 1.66 | -2.47 | 1.37 | 121.47 | 1.3666 | 6 | 1.95603 | 125.6861 | 4.20326 | 0 | 4.2033 | 27.899 | 1.4156 | -0.002 | 5 | 0.9764 | 0.2601 | 2.4332 | 28.82244 |
| 71 | 104.5 | 2.21 | -2.52 | 2.11 | 104.469 | 2.1155 | 5 | 2.1367 | 127.4123 | 4.26696 | 0 | 4.267 | 23.483 | 2.2055 | -0.002 | 4 | 1 | 0.248 | 2.6175 | 23.48326 |
| 72 | 88.2 | 3.05 | -2.79 | 3.46 | 88.1659 | 3.4594 | 5 | 2.34397 | 129.3557 | 4.33164 | 0 | 4.3316 | 19.354 | 3.6381 | -0.002 | 3 | 1 | 0.2443 | 2.8175 | 19.35392 |
| 73 | 111.4 | 2.45 | -2.65 | 2.2 | 111.368 | 2.1999 | 5 | 2.13006 | 128.3226 | 4.3958 | 0 | 4.3958 | 24.335 | 2.2903 | -0.002 | 4 | 1 | 0.2407 | 2.615 | 24.33498 |
| 74 | 122.9 | 2.16 | -2.57 | 1.76 | 122.869 | 1.758 | 5 | 2.02991 | 127.6405 | 4.45962 | 0 | 4.4596 | 26.551 | 1.8242 | -0.002 | 4 | 1 | 0.2373 | 2.5257 | 26.55134 |
| 75 | 124.7 | 3.4 | -2.53 | 2.72 | 124.669 | 2.7272 | 5 | 2.16748 | 130.9955 | 4.52512 | 0 | 4.5251 | 26.55 | 2.8299 | -0.002 | 4 | 1 | 0.2338 | 2.6421 | 26.55044 |
| 76 | 57.4 | 3.53 | -5.45 | 6.16 | 57.3333 | 6.157 | 3 | 2.6555 | 129.3755 | 4.58981 | 0 | 4.5898 | 11.491 | 6.6928 | -0.007 | 3 | 1 | 0.2305 | 3.1608 | 11.49144 |
| 77 | 76 | 3.91 | -3.09 | 5.15 | 75.9622 | 5.1473 | 9 | 2.5171 | 130.8098 | 4.65521 | 0 | 4.6552 | 15.318 | 5.4833 | -0.003 | 3 | 1 | 0.2273 | 3.0097 | 15.31766 |
| 78 | 43 | 3.04 | -6.97 | 7.09 | 42.9147 | 7.0838 | 3 | 2.78438 | 127.5755 | 4.719 | 0 | 4.719 | 8.094 | 7.959 | -0.013 | 3 | 1 | 0.2242 | 3.3258 | 8.09402 |
| 79 | 63.3 | 4.28 | -4.46 | 6.77 | 63.2454 | 6.7673 | 3 | 2.65935 | 131.0245 | 4.78451 | 0 | 4.7845 | 12.219 | 7.3211 | -0.005 | 3 | 1 | 0.2212 | 3.1661 | 12.21878 |
| 80 | 70.2 | 4.84 | -5.71 | 6.9 | 70.1301 | 6.9015 | 9 | 2.63765 | 132.1762 | 4.8506 | 0 | 4.8506 | 13.458 | 7.4143 | -0.006 | 3 | 1 | 0.2181 | 3.1383 | 13.45803 |
| 81 | 84.8 | 4.64 | -5.04 | 5.47 | 84.7383 | 5.4757 | 9 | 2.50784 | 132.329 | 4.91677 | 0 | 4.9168 | 16.235 | 5.813 | -0.005 | 3 | 1 | 0.2152 | 3.0072 | 16.23457 |
| 82 | 134.4 | 4.33 | -6.47 | 3.22 | 134.321 | 3.2236 | 5 | 2.20322 | 132.9466 | 4.98324 | 0 | 4.9832 | 25.955 | 3.3478 | -0.004 | 4 | 1 | 0.2123 | 2.6964 | 25.95452 |
| 83 | 209.1 | 4.33 | -2.47 | 2.07 | 209.07 | 2.0711 | 6 | 1.93358 | 134.0257 | 5.05025 | 0 | 5.0503 | 40.398 | 2.1224 | -9E-04 | 5 | 1 | 0.2095 | 2.4219 | 40.39789 |
| 84 | 143.4 | 5.34 | -1.9 | 3.72 | 143.377 | 3.7245 | 8 | 2.23568 | 134.6398 | 5.11757 | 0 | 5.1176 | 27.017 | 3.8623 | -1E-03 | 4 | 1 | 0.2068 | 2.7239 | 27.01656 |
| 85 | 205.4 | 3.52 | -2.13 | 1.71 | 205.374 | 1.714 | 6 | 1.87382 | 132.4668 | 5.1838 | 0 | 5.1838 | 38.618 | 1.7583 | -8E-04 | 5 | 1 | 0.2041 | 2.386 | 38.61838 |
| 86 | 185.2 | 2.92 | -1.62 | 1.58 | 185.18 | 1.5768 | 6 | 1.87497 | 130.8469 | 5.24923 | 0 | 5.2492 | 34.278 | 1.6228 | -7E-04 | 5 | 1 | 0.2016 | 2.4062 | 34.2776 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 87 | 105.7 | 3.9 | -2.04 | 3.69 | 105.675 | 3.6906 | 5 | 2.31435 | 131.5962 | 5.31503 | 0 | 5.315 | 18.882 | 3.886 | -0.001 | 3 | 1 | 0.1991 | 2.8439 | 18.88232 |
| 88 | 185.9 | 4.15 | -2.04 | 2.23 | 185.875 | 2.2327 | 5 | 1.99063 | 133.4282 | 5.38174 | 0 | 5.3817 | 33.538 | 2.2993 | -8E-04 | 4 | 1 | 0.1966 | 2.5065 | 33.53809 |
| 89 | 237.9 | 2.74 | -2.04 | 1.15 | 237.875 | 1.1519 | 6 | 1.70068 | 130.9922 | 5.44724 | 0 | 5.4472 | 42.669 | 1.1789 | -6E-04 | 5 | 0.9559 | 0.2088 | 2.2223 | 45.87005 |
| 90 | 159.6 | 2.65 | -2.18 | 1.66 | 159.573 | 1.6607 | 6 | 1.93457 | 129.774 | 5.51212 | 0 | 5.5121 | 27.95 | 1.7201 | -0.001 | 5 | 1 | 0.192 | 2.4927 | 27.94952 |
| 91 | 71.1 | 4.12 | -4.66 | 5.81 | 71.043 | 5.7993 | 9 | 2.57551 | 131.0293 | 5.57764 | 0 | 5.5776 | 11.737 | 6.2934 | -0.005 | 3 | 1 | 0.1897 | 3.1366 | 11.73711 |
| 92 | 126.4 | 2.71 | -2.95 | 2.14 | 126.364 | 2.1446 | 5 | 2.08491 | 129.3687 | 5.64232 | 0 | 5.6423 | 21.396 | 2.2448 | -0.002 | 4 | 1 | 0.1875 | 2.6546 | 21.39572 |
| 93 | 202.4 | 2.37 | -2.28 | 1.17 | 202.372 | 1.1711 | 6 | 1.75292 | 129.5365 | 5.70709 | 0 | 5.7071 | 34.46 | 1.2051 | -8E-04 | 5 | 1 | 0.1854 | 2.3298 | 34.45977 |
| 94 | 72 | 3.01 | -2.55 | 4.18 | 71.9688 | 4.1824 | 4 | 2.46412 | 128.764 | 5.77147 | 0 | 5.7715 | 11.47 | 4.547 | -0.003 | 3 | 1 | 0.1833 | 3.0555 | 11.46974 |
| 95 | 171.6 | 2.18 | -2.47 | 1.27 | 171.57 | 1.2706 | 6 | 1.8278 | 128.5223 | 5.83573 | 0 | 5.8357 | 28.4 | 1.3154 | -0.001 | 5 | 1 | 0.1813 | 2.4208 | 28.39986 |
| 96 | 264.7 | 2.55 | -2.34 | 0.96 | 264.671 | 0.9635 | 6 | 1.61184 | 130.7267 | 5.9011 | 0 | 5.9011 | 43.851 | 0.9854 | -7E-04 | 5 | 0.9565 | 0.1932 | 2.1673 | 47.25258 |
| 97 | 237.6 | 1.82 | -1.98 | 0.77 | 237.576 | 0.7661 | 6 | 1.57193 | 127.9955 | 5.96509 | 0 | 5.9651 | 38.828 | 0.7858 | -6E-04 | 5 | 0.9564 | 0.1913 | 2.1586 | 41.86864 |
| 98 | 250.1 | 2.2 | -2.4 | 0.88 | 250.071 | 0.8798 | 6 | 1.59937 | 129.508 | 6.02985 | 0 | 6.0299 | 40.472 | 0.9015 | -7E-04 | 5 | 0.9678 | 0.1856 | 2.1819 | 42.80805 |
| 99 | 250.3 | 2.58 | -2.57 | 1.03 | 250.269 | 1.0309 | 6 | 1.64994 | 130.6758 | 6.09519 | 0 | 6.0952 | 40.06 | 1.0566 | -8E-04 | 5 | 0.9929 | 0.1758 | 2.2392 | 40.56361 |
| 100 | 225.2 | 2.39 | -2.55 | 1.06 | 225.169 | 1.0614 | 6 | 1.69011 | 129.8583 | 6.16012 | 0 | 6.1601 | 35.553 | 1.0913 | -8E-04 | 5 | 1 | 0.1718 | 2.2947 | 35.55269 |
| 101 | 69.9 | 3.2 | -2.28 | 4.58 | 69.8721 | 4.5798 | 4 | 2.50216 | 129.1397 | 6.22469 | 0 | 6.2247 | 10.225 | 5.0277 | -0.003 | 3 | 1 | 0.17 | 3.1217 | 10.225 |
| 102 | 124.5 | 4.28 | -2.66 | 3.44 | 124.467 | 3.4387 | 5 | 2.24576 | 132.6758 | 6.29102 | 0 | 6.291 | 18.785 | 3.6217 | -0.002 | 3 | 1 | 0.1682 | 2.8263 | 18.78493 |
| 103 | 86 | 4.41 | -3.32 | 5.13 | 85.9594 | 5.1303 | 9 | 2.48189 | 131.9919 | 6.35702 | 0 | 6.357 | 12.522 | 5.54 | -0.003 | 3 | 1 | 0.1665 | 3.0795 | 12.52196 |
| 104 | 128.6 | 4.61 | -3.23 | 3.59 | 128.56 | 3.5859 | 8 | 2.25135 | 133.2981 | 6.42367 | 0 | 6.4237 | 19.014 | 3.7745 | -0.002 | 3 | 1 | 0.1647 | 2.8335 | 19.01356 |
| 105 | 164.9 | 3.19 | -3.3 | 1.94 | 164.86 | 1.935 | 6 | 1.97531 | 131.2105 | 6.48927 | 0 | 6.4893 | 24.405 | 2.0143 | -0.002 | 4 | 1 | 0.1631 | 2.5807 | 24.40494 |
| 106 | 109.1 | 3.49 | -2.8 | 3.2 | 109.066 | 3.1999 | 5 | 2.25798 | 130.8605 | 6.5547 | 0 | 6.5547 | 15.639 | 3.4045 | -0.002 | 3 | 1 | 0.1614 | 2.8721 | 15.63931 |
| 107 | 63.8 | 3.95 | -2.72 | 6.2 | 63.7667 | 6.1945 | 3 | 2.62755 | 130.4574 | 6.61993 | 0 | 6.6199 | 8.6325 | 6.912 | -0.003 | 3 | 1 | 0.1598 | 3.2653 | 8.63253 |
| 108 | 91.8 | 4.82 | -3.61 | 5.25 | 91.7558 | 5.2531 | 9 | 2.47223 | 132.8015 | 6.68633 | 0 | 6.6863 | 12.723 | 5.666 | -0.003 | 3 | 1 | 0.1583 | 3.0804 | 12.72289 |
| 109 | 116 | 4.26 | -3.84 | 3.67 | 115.953 | 3.6739 | 5 | 2.28742 | 132.4687 | 6.75257 | 0 | 6.7526 | 16.172 | 3.9011 | -0.003 | 3 | 1 | 0.1567 | 2.8972 | 16.17169 |
| 110 | 157.6 | 3.29 | -2.96 | 2.09 | 157.564 | 2.088 | 5 | 2.01326 | 131.326 | 6.81823 | 0 | 6.8182 | 22.109 | 2.1825 | -0.001 | 4 | 1 | 0.1552 | 2.6359 | 22.10919 |
| 111 | 121.7 | 4.95 | -3.33 | 4.07 | 121.659 | 4.0687 | 9 | 2.30939 | 133.6842 | 6.88507 | 0 | 6.8851 | 16.67 | 4.3128 | -0.002 | 3 | 1 | 0.1537 | 2.9144 | 16.67 |
| 112 | 55.2 | 4.37 | -2.84 | 7.93 | 55.1652 | 7.9217 | 3 | 2.74989 | 130.8434 | 6.95049 | 0 | 6.9505 | 6.9369 | 9.0636 | -0.004 | 3 | 1 | 0.1522 | 3.4134 | 6.93688 |
| 113 | 78.8 | 5.1 | -2.24 | 6.48 | 78.7726 | 6.4743 | 9 | 2.58454 | 132.8425 | 7.01692 | 0 | 7.0169 | 10.226 | 7.1075 | -0.002 | 3 | 1 | 0.1508 | 3.2164 | 10.2261 |
| 114 | 112 | 4.66 | -2.5 | 4.16 | 111.969 | 4.1619 | 9 | 2.33928 | 133.0401 | 7.08344 | 0 | 7.0834 | 14.807 | 4.4429 | -0.002 | 3 | 1 | 0.1494 | 2.9624 | 14.80722 |
| 115 | 89 | 5.42 | -2.34 | 6.09 | 88.9714 | 6.0919 | 9 | 2.53119 | 133.5848 | 7.15023 | 0 | 7.1502 | 11.443 | 6.6242 | -0.002 | 3 | 1 | 0.148 | 3.1593 | 11.44315 |
| 116 | 113.1 | 5.98 | -2.64 | 5.29 | 113.068 | 5.2889 | 9 | 2.41944 | 134.8888 | 7.21767 | 0 | 7.2177 | 14.665 | 5.6495 | -0.002 | 3 | 1 | 0.1466 | 3.0325 | 14.66539 |
| 117 | 153.4 | 4.39 | -2.57 | 2.86 | 153.369 | 2.8624 | 5 | 2.12705 | 133.3707 | 7.28436 | 0 | 7.2844 | 20.055 | 3.0051 | -0.001 | 4 | 1 | 0.1453 | 2.7536 | 20.0545 |
| 118 | 92.5 | 4.87 | -2.09 | 5.26 | 92.4744 | 5.2663 | 9 | 2.47099 | 132.896 | 7.35081 | 0 | 7.3508 | 11.58 | 5.7211 | -0.002 | 3 | 1 | 0.1439 | 3.1146 | 11.58017 |
| 119 | 80.6 | 5.14 | -2.1 | 6.38 | 80.5743 | 6.3792 | 9 | 2.57342 | 132.9549 | 7.41728 | 0 | 7.4173 | 9.8631 | 7.026 | -0.002 | 3 | 1 | 0.1427 | 3.2252 | 9.86305 |
| 120 | 97 | 4.4 | -2 | 4.54 | 96.9755 | 4.5372 | 9 | 2.40749 | 132.2693 | 7.48342 | 0 | 7.4834 | 11.959 | 4.9166 | -0.002 | 3 | 1 | 0.1414 | 3.0623 | 11.95872 |
| 121 | 156 | 3.76 | -1.9 | 2.41 | 155.977 | 2.4106 | 5 | 2.06413 | 132.2783 | 7.54956 | 0 | 7.5496 | 19.66 | 2.5332 | -9E-04 | 4 | 1 | 0.1402 | 2.7153 | 19.66038 |
| 122 | 144.4 | 6.08 | -1.73 | 4.21 | 144.379 | 4.2111 | 9 | 2.27686 | 135.6063 | 7.61736 | 0 | 7.6174 | 17.954 | 4.4457 | -9E-04 | 3 | 1 | 0.1389 | 2.8981 | 17.95392 |
| 123 | 90.1 | 5.21 | -1.41 | 5.79 | 90.0827 | 5.7836 | 9 | 2.51005 | 133.3259 | 7.68402 | 0 | 7.684 | 10.723 | 6.3229 | -0.001 | 3 | 1 | 0.1377 | 3.168 | 10.72338 |
| 124 | 155.5 | 5.29 | -1.52 | 3.4 | 155.481 | 3.4023 | 8 | 2.18315 | 134.7686 | 7.75141 | 0 | 7.7514 | 19.058 | 3.5809 | -7E-04 | 3 | 1 | 0.1365 | 2.8183 | 19.05847 |
| 125 | 108.1 | 5.63 | -1.09 | 5.2 | 108.087 | 5.2088 | 9 | 2.42585 | 134.3376 | 7.81858 | 0 | 7.8186 | 12.824 | 5.615 | -8E-04 | 3 | 1 | 0.1353 | 3.0753 | 12.82434 |
| 126 | 38.6 | 2.56 | -1.14 | 6.63 | 38.5861 | 6.6345 | 3 | 2.79461 | 126.0588 | 7.88161 | 0 | 7.8816 | 3.8957 | 8.3376 | -0.003 | 2 | 1 | 0.1343 | 3.5882 | 3.89571 |
| 127 | 121.1 | 4.52 | -0.76 | 3.73 | 121.091 | 3.7327 | 8 | 2.28111 | 133.0079 | 7.94811 | 0 | 7.9481 | 14.235 | 3.995 | -5E-04 | 3 | 1 | 0.1331 | 2.947 | 14.23516 |
| 128 | 351.6 | 3.51 | -2.1 | 1 | 351.574 | 0.9984 | 6 | 1.54478 | 133.7571 | 8.01499 | 0 | 8.015 | 42.865 | 1.0217 | -4E-04 | 5 | 1 | 0.132 | 2.2111 | 42.8646 |
| 129 | 266.4 | 2.67 | -2.28 | 1 | 266.372 | 1.0024 | 6 | 1.62288 | 131.0788 | 8.08053 | 0 | 8.0805 | 31.965 | 1.0337 | -6E-04 | 5 | 1 | 0.131 | 2.3208 | 31.96469 |
| 130 | 155.5 | 4.24 | -1.98 | 2.72 | 155.476 | 2.7271 | 5 | 2.10685 | 133.1496 | 8.1471 | 0 | 8.1471 | 18.084 | 2.8779 | -1E-03 | 4 | 1 | 0.1299 | 2.7777 | 18.08357 |
| 131 | 151.9 | 6.06 | -1.71 | 3.99 | 151.879 | 3.99 | 8 | 2.24499 | 135.7058 | 8.21496 | 0 | 8.215 | 17.488 | 4.2182 | -9E-04 | 3 | 1 | 0.1288 | 2.8923 | 17.48812 |
| 132 | 198.1 | 4.64 | -1.78 | 2.34 | 198.078 | 2.3425 | 5 | 1.99037 | 134.3999 | 8.28216 | 0 | 8.2822 | 22.916 | 2.4447 | -7E-04 | 4 | 1 | 0.1278 | 2.6529 | 22.91626 |
| 133 | 230.4 | 4.22 | -1.37 | 1.83 | 230.383 | 1.8317 | 6 | 1.8656 | 134.0741 | 8.34919 | 0 | 8.3492 | 26.593 | 1.9006 | -4E-04 | 4 | 1 | 0.1267 | 2.5357 | 26.59347 |
| 134 | 227.1 | 4.68 | -1.52 | 2.06 | 227.081 | 2.0609 | 6 | 1.91029 | 134.796 | 8.41659 | 0 | 8.4166 | 25.98 | 2.1403 | -5E-04 | 4 | 1 | 0.1257 | 2.5746 | 25.98021 |
| 135 | 289.1 | 3.62 | -1.81 | 1.25 | 289.078 | 1.2523 | 6 | 1.67466 | 133.5055 | 8.48334 | 0 | 8.4833 | 33.076 | 1.2901 | -5E-04 | 5 | 1 | 0.1247 | 2.3611 | 33.07593 |
| 136 | 291.7 | 3.91 | -1.81 | 1.34 | 291.678 | 1.3405 | 6 | 1.69566 | 134.0913 | 8.55039 | 0 | 8.5504 | 33.113 | 1.381 | -5E-04 | 5 | 1 | 0.1238 | 2.3775 | 33.11282 |
| 137 | 74.9 | 3.7 | -2.02 | 4.94 | 74.8753 | 4.9416 | 4 | 2.50757 | 130.3707 | 8.61557 | 0 | 8.6156 | 7.6907 | 5.5841 | -0.002 | 3 | 1 | 0.1228 | 3.2475 | 7.69069 |
| 138 | 135 | 6.06 | -1.7 | 4.49 | 134.979 | 4.4896 | 9 | 2.31654 | 135.418 | 8.68328 | 0 | 8.6833 | 14.545 | 4.7983 | -1E-03 | 3 | 1 | 0.1219 | 2.9896 | 14.54472 |
| 139 | 137.7 | 6.37 | -1.68 | 4.63 | 137.679 | 4.6267 | 9 | 2.32208 | 135.8314 | 8.7512 | 0 | 8.7512 | 14.733 | 4.9407 | -9E-04 | 3 | 1 | 0.1209 | 2.9934 | 14.73264 |
| 140 | 135.9 | 4.41 | -2.16 | 3.25 | 135.874 | 3.2457 | 5 | 2.20246 | 133.1085 | 8.81775 | 0 | 8.8178 | 14.409 | 3.4709 | -0.001 | 3 | 1 | 0.12 | 2.9054 | 14.40909 |
| 141 | 225 | 3.27 | -1.87 | 1.45 | 224.977 | 1.4535 | 6 | 1.79335 | 132.1501 | 8.88383 | 0 | 8.8838 | 24.324 | 1.5132 | -6E-04 | 5 | 1 | 0.1191 | 2.5105 | 24.32434 |
| 142 | 197 | 4.59 | -1.75 | 2.33 | 196.979 | 2.3302 | 5 | 1.99 | 134.307 | 8.95098 | 0 | 8.951 | 21.006 | 2.4411 | -7E-04 | 4 | 1 | 0.1182 | 2.6827 | 21.00637 |
| 143 | 125.3 | 7.32 | -1.21 | 5.85 | 125.285 | 5.8427 | 9 | 2.42842 | 136.6184 | 9.01929 | 0 | 9.0193 | 12.891 | 6.2959 | -8E-04 | 3 | 1 | 0.1173 | 3.1056 | 12.8908 |
| 144 | 60.7 | 4.67 | -0.92 | 7.7 | 60.6887 | 7.695 | 3 | 2.71387 | 131.5619 | 9.08507 | 0 | 9.0851 | 5.6801 | 9.0497 | -0.001 | 2 | 1 | 0.1165 | 3.4803 | 5.68005 |
| 145 | 96.1 | 7.04 | -0.92 | 7.33 | 96.0887 | 7.3266 | 9 | 2.57537 | 135.686 | 9.15291 | 0 | 9.1529 | 9.4982 | 8.0979 | -8E-04 | 3 | 1 | 0.1156 | 3.2775 | 9.49816 |
| 146 | 301.4 | 2.62 | -1.21 | 0.87 | 301.385 | 0.8693 | 6 | 1.54102 | 131.2416 | 9.21854 | 0 | 9.2185 | 31.693 | 0.8968 | -3E-04 | 5 | 1 | 0.1148 | 2.2918 | 31.69339 |
| 147 | 344 | 5.59 | -0.89 | 1.63 | 343.989 | 1.6251 | 6 | 1.72195 | 137.109 | 9.28709 | 0 | 9.2871 | 36.039 | 1.6701 | -2E-04 | 5 | 1 | 0.1139 | 2.3962 | 36.03949 |
| 148 | 547.2 | 9.68 | 0.41 | 1.77 | 547.205 | 1.769 | 6 | 1.65116 | 137.28 | 9.35573 | 0 | 9.3557 | 57.489 | 1.7998 | 5E-05 | 5 | 1 | 0.1131 | 2.2587 | 57.48876 |
| 149 | 352.7 | 5.22 | 0.08 | 1.48 | 352.701 | 1.48 | 6 | 1.68222 | 136.6689 | 9.42406 | 0 | 9.4241 | 36.426 | 1.5206 | 2E-05 | 5 | 1 | 0.1123 | 2.3682 | 36.42557 |
| 150 | 247.9 | 8.66 | -0.02 | 3.49 | 247.9 | 3.4934 | 8 | 2.07836 | 137.28 | 9.4927 | 0 | 9.4927 | 25.115 | 3.6324 | -1E-05 | 4 | 1 | 0.1115 | 2.7303 | 25.11477 |
| 151 | 366.8 | 6.6 | 1.27 | 1.8 | 366.816 | 1.7993 | 6 | 1.74384 | 137.28 | 9.56134 | 0 | 9.5613 | 37.364 | 1.8474 | 0.0003 | 5 | 1 | 0.1107 | 2.4105 | 37.36443 |

| | CPT-11 | In situ data | | | Basic output data | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth (ft) | qc (tsf) | fs (tsf) | u (psi) | Other | qt (tsf) | Rf(%) | SBT | Ic SBT | ã (pcf) | ó,v (tsf) | u0 (tsf) | ó',vo (tsf) | Qt1 | Fr (%) | Bq | SBTn | n | Cn | Ic | Qtn |
| 1 | 72 | 0.4 | 0.12 | 0.55 | 72.0015 | 0.5555 | 6 | 1.90028 | 113.9977 | 0.057 | 0 | 0.057 | 1262.2 | 0.556 | 0.0001 | 6 | 0.4808 | 2 | 1.6485 | 135.987 |
| 2 | 54.1 | 0.38 | 0.16 | 0.7 | 54.102 | 0.7024 | 6 | 2.05908 | 112.9253 | 0.11346 | 0 | 0.1135 | 475.83 | 0.7039 | 0.0002 | 6 | 0.5448 | 2 | 1.8096 | 102.0472 |
| 3 | 46.5 | 0.52 | 0.29 | 1.12 | 46.5036 | 1.1182 | 5 | 2.22424 | 114.8512 | 0.17089 | 0 | 0.1709 | 271.13 | 1.1223 | 0.0005 | 6 | 0.615 | 2 | 1.9867 | 87.57643 |
| 4 | 51 | 0.48 | 0.31 | 0.95 | 51.0038 | 0.9411 | 5 | 2.14893 | 114.4908 | 0.22813 | 0 | 0.2281 | 222.57 | 0.9453 | 0.0004 | 6 | 0.588 | 2 | 1.9087 | 95.97444 |
| 5 | 47.7 | 0.27 | 0.46 | 0.56 | 47.7056 | 0.566 | 6 | 2.06011 | 110.1178 | 0.28319 | 0 | 0.2832 | 167.46 | 0.5694 | 0.0007 | 6 | 0.5507 | 2 | 1.804 | 89.63629 |
| 6 | 52.2 | 0.22 | 0.15 | 0.41 | 52.2018 | 0.4214 | 6 | 1.96742 | 108.839 | 0.33761 | 0 | 0.3376 | 153.62 | 0.4242 | 0.0002 | 6 | 0.5279 | 1.8276 | 1.7384 | 89.58213 |
| 7 | 73.5 | 0.34 | 0.42 | 0.46 | 73.5051 | 0.4626 | 6 | 1.85326 | 112.859 | 0.39404 | 0 | 0.394 | 185.54 | 0.4651 | 0.0004 | 6 | 0.5042 | 1.6455 | 1.6697 | 113.6941 |
| 8 | 86 | 0.42 | 0.69 | 0.49 | 86.0085 | 0.4883 | 6 | 1.80536 | 114.7882 | 0.45143 | 0 | 0.4514 | 189.52 | 0.4909 | 0.0006 | 6 | 0.4999 | 1.5309 | 1.6514 | 123.7852 |
| 9 | 85.3 | 0.51 | 0.46 | 0.6 | 85.3056 | 0.5979 | 6 | 1.85416 | 116.1889 | 0.50953 | 0 | 0.5095 | 166.42 | 0.6014 | 0.0004 | 6 | 0.5285 | 1.4714 | 1.7187 | 117.9138 |
| 10 | 79.1 | 0.47 | 0.38 | 0.59 | 79.1047 | 0.5942 | 6 | 1.88045 | 115.4072 | 0.56723 | 0 | 0.5672 | 138.46 | 0.5984 | 0.0004 | 6 | 0.5474 | 1.4067 | 1.7607 | 104.4121 |
| 11 | 66.3 | 0.33 | 0.6 | 0.49 | 66.3073 | 0.4977 | 6 | 1.90778 | 112.3892 | 0.62343 | 0 | 0.6234 | 105.36 | 0.5024 | 0.0007 | 6 | 0.5653 | 1.3486 | 1.8006 | 83.71467 |
| 12 | 51.2 | 0.47 | 0.52 | 0.92 | 51.2064 | 0.9179 | 5 | 2.14148 | 114.3464 | 0.6806 | 0 | 0.6806 | 74.237 | 0.9302 | 0.0007 | 6 | 0.6613 | 1.3388 | 2.0451 | 63.93079 |
| 13 | 43.4 | 0.32 | 0.3 | 0.74 | 43.4037 | 0.7373 | 5 | 2.15207 | 111.1305 | 0.73617 | 0 | 0.7362 | 57.959 | 0.75 | 0.0005 | 5 | 0.6739 | 1.277 | 2.0714 | 51.49307 |
| 14 | 37.2 | 0.51 | 0.49 | 1.37 | 37.206 | 1.3708 | 5 | 2.35431 | 114.1651 | 0.79325 | 0 | 0.7933 | 45.903 | 1.4006 | 0.001 | 5 | 0.7605 | 1.2449 | 2.2903 | 42.84228 |
| 15 | 46.6 | 0.43 | 0.31 | 0.93 | 46.6038 | 0.9227 | 5 | 2.17693 | 113.4659 | 0.84998 | 0 | 0.85 | 53.829 | 0.9398 | 0.0005 | 5 | 0.7028 | 1.1664 | 2.1323 | 50.43721 |
| 16 | 64.8 | 0.49 | 0.26 | 0.76 | 64.8032 | 0.7561 | 6 | 2.00977 | 115.2257 | 0.90759 | 0 | 0.9076 | 70.401 | 0.7669 | 0.0003 | 6 | 0.6483 | 1.1046 | 1.9822 | 66.70236 |
| 17 | 94.4 | 0.55 | 0.15 | 0.58 | 94.4018 | 0.5826 | 6 | 1.81108 | 116.9885 | 0.96609 | 0 | 0.9661 | 96.716 | 0.5886 | 0.0001 | 6 | 0.5808 | 1.0543 | 1.7981 | 93.09611 |
| 18 | 48.2 | 0.36 | 0 | 0.76 | 48.2 | 0.7469 | 5 | 2.11582 | 112.2479 | 1.02221 | 0 | 1.0222 | 46.153 | 0.7631 | 0 | 5 | 0.7059 | 1.0247 | 2.1196 | 45.68648 |
| 19 | 81.8 | 0.72 | -0.08 | 0.88 | 81.799 | 0.8802 | 6 | 1.96425 | 118.6097 | 1.08152 | 0 | 1.0815 | 74.634 | 0.892 | -7E-05 | 6 | 0.6545 | 0.9858 | 1.9774 | 75.20003 |
| 20 | 46.7 | 0.58 | -0.15 | 1.25 | 46.6982 | 1.242 | 5 | 2.24909 | 115.6604 | 1.13935 | 0 | 1.1394 | 39.987 | 1.2731 | -2E-04 | 5 | 0.7742 | 0.9443 | 2.2843 | 40.66038 |
| 21 | 71.8 | 0.75 | -0.15 | 1.04 | 71.7982 | 1.0446 | 5 | 2.05412 | 118.5903 | 1.19864 | 0 | 1.1986 | 58.9 | 1.0623 | -2E-04 | 5 | 0.7049 | 0.9159 | 2.0949 | 61.10763 |
| 22 | 133 | 0.84 | 0.23 | 0.63 | 133.003 | 0.6316 | 6 | 1.7088 | 120.9232 | 1.2591 | 0 | 1.2591 | 104.63 | 0.6376 | 0.0001 | 6 | 0.5764 | 0.9046 | 1.7497 | 112.6334 |
| 23 | 143.5 | 0.94 | 0.32 | 0.65 | 143.504 | 0.655 | 6 | 1.6921 | 121.9316 | 1.32007 | 0 | 1.3201 | 107.71 | 0.6611 | 0.0002 | 6 | 0.576 | 0.8804 | 1.7418 | 118.3 |
| 24 | 121.2 | 0.79 | 0.08 | 0.65 | 121.201 | 0.6518 | 6 | 1.7494 | 120.2476 | 1.38019 | 0 | 1.3802 | 86.814 | 0.6593 | 5E-05 | 6 | 0.6061 | 0.8512 | 1.8132 | 96.39518 |
| 25 | 149.1 | 1.02 | 0.55 | 0.69 | 149.107 | 0.6841 | 6 | 1.69067 | 122.6226 | 1.4415 | 0 | 1.4415 | 102.44 | 0.6908 | 0.0003 | 6 | 0.5883 | 0.8337 | 1.759 | 116.3441 |
| 26 | 164.8 | 0.99 | 0.47 | 0.6 | 164.806 | 0.6007 | 6 | 1.62157 | 122.6483 | 1.50283 | 0 | 1.5028 | 108.66 | 0.6062 | 0.0002 | 6 | 0.5673 | 0.8195 | 1.6961 | 126.481 |
| 27 | 192.4 | 1.63 | 0.58 | 0.85 | 192.407 | 0.8472 | 6 | 1.66814 | 126.6745 | 1.56617 | 0 | 1.5662 | 121.85 | 0.8541 | 0.0002 | 6 | 0.5898 | 0.7935 | 1.7474 | 143.1172 |
| 28 | 140 | 0.56 | 0.41 | 0.4 | 140.005 | 0.4 | 6 | 1.57921 | 118.0816 | 1.62521 | 0 | 1.6252 | 85.146 | 0.4047 | 0.0002 | 6 | 0.5659 | 0.7844 | 1.6771 | 102.5838 |
| 29 | 100.8 | 0.65 | 0.61 | 0.65 | 100.807 | 0.6448 | 6 | 1.81188 | 118.3709 | 1.68439 | 0 | 1.6844 | 58.848 | 0.6558 | 0.0004 | 6 | 0.6666 | 0.7335 | 1.9343 | 68.71353 |
| 30 | 63.7 | 1.05 | 0.32 | 1.65 | 63.7039 | 1.6483 | 5 | 2.21864 | 120.7606 | 1.74477 | 0 | 1.7448 | 35.511 | 1.6947 | 0.0004 | 5 | 0.8389 | 0.6573 | 2.3773 | 38.49169 |
| 31 | 95.2 | 0.74 | 0.06 | 0.78 | 95.2007 | 0.7773 | 6 | 1.87918 | 119.1802 | 1.80436 | 0 | 1.8044 | 51.761 | 0.7923 | 5E-05 | 6 | 0.707 | 0.6857 | 2.0252 | 60.52372 |
| 32 | 131 | 1.05 | 0.27 | 0.8 | 131.003 | 0.8015 | 6 | 1.77763 | 122.519 | 1.86562 | 0 | 1.8656 | 69.22 | 0.8131 | 0.0002 | 6 | 0.6686 | 0.6844 | 1.9168 | 83.53271 |
| 33 | 92.8 | 1.74 | 0.35 | 1.88 | 92.8043 | 1.8749 | 5 | 2.13556 | 125.374 | 1.92831 | 0 | 1.9283 | 47.127 | 1.9147 | 0.0003 | 5 | 0.8198 | 0.6114 | 2.3061 | 52.50969 |
| 34 | 123.7 | 0.95 | 0.39 | 0.77 | 123.705 | 0.768 | 6 | 1.78543 | 121.6469 | 1.98913 | 0 | 1.9891 | 61.19 | 0.7805 | 0.0002 | 6 | 0.6857 | 0.6487 | 1.9464 | 74.6159 |
| 35 | 91.3 | 1.45 | -0.22 | 1.58 | 91.2973 | 1.5882 | 5 | 2.09102 | 124 | 2.05113 | 0 | 2.0511 | 43.511 | 1.6247 | -2E-04 | 5 | 0.8168 | 0.5824 | 2.2828 | 49.12133 |
| 36 | 112.7 | 1.15 | -0.17 | 1.02 | 112.698 | 1.0204 | 6 | 1.895 | 122.8176 | 2.11254 | 0 | 2.1125 | 52.347 | 1.0399 | -1E-04 | 5 | 0.743 | 0.5983 | 2.0814 | 62.52523 |
| 37 | 107.4 | 1.35 | -0.08 | 1.26 | 107.399 | 1.257 | 6 | 1.97042 | 123.8733 | 2.17448 | 0 | 2.1745 | 48.391 | 1.283 | -5E-05 | 5 | 0.7798 | 0.5703 | 2.1703 | 56.70864 |
| 38 | 98.5 | 0.98 | -0.38 | 1 | 98.4954 | 0.995 | 6 | 1.93298 | 121.3186 | 2.23514 | 0 | 2.2351 | 43.067 | 1.0181 | -3E-04 | 5 | 0.7742 | 0.5605 | 2.148 | 50.98799 |
| 39 | 117.6 | 0.99 | -0.15 | 0.85 | 117.598 | 0.8419 | 6 | 1.82749 | 121.8252 | 2.29605 | 0 | 2.2961 | 50.218 | 0.8586 | -9E-05 | 6 | 0.7353 | 0.5657 | 2.0381 | 61.64715 |
| 40 | 70.4 | 1.14 | -0.31 | 1.61 | 70.3962 | 1.6194 | 5 | 2.18073 | 121.6059 | 2.35685 | 0 | 2.3569 | 28.869 | 1.6755 | -3E-04 | 5 | 0.8928 | 0.4892 | 2.4445 | 31.45564 |
| 41 | 50.8 | 2.07 | -1.52 | 4.06 | 50.7814 | 4.0763 | 4 | 2.55925 | 125.1741 | 2.41944 | 0 | 2.4194 | 19.989 | 4.2802 | -0.002 | 3 | 1 | 0.4373 | 2.8519 | 19.9889 |
| 42 | 112 | 1.44 | -0.47 | 1.29 | 111.994 | 1.2858 | 6 | 1.96359 | 124.4477 | 2.48166 | 0 | 2.4817 | 44.129 | 1.3149 | -3E-04 | 5 | 0.8083 | 0.5021 | 2.2069 | 51.96129 |
| 43 | 132.8 | 1.25 | -0.39 | 0.94 | 132.795 | 0.9413 | 6 | 1.81813 | 123.8279 | 2.54358 | 0 | 2.5436 | 51.208 | 0.9597 | -2E-04 | 6 | 0.7535 | 0.5164 | 2.0551 | 63.56562 |
| 44 | 123.4 | 1.46 | -0.46 | 1.18 | 123.394 | 1.1832 | 6 | 1.90816 | 124.7851 | 2.60597 | 0 | 2.606 | 46.351 | 1.2087 | -3E-04 | 5 | 0.7968 | 0.4877 | 2.1609 | 55.66891 |
| 45 | 152.9 | 1.28 | -0.46 | 0.84 | 152.894 | 0.8372 | 6 | 1.73853 | 124.3452 | 2.66814 | 0 | 2.6681 | 56.304 | 0.8521 | -2E-04 | 6 | 0.7309 | 0.5087 | 1.9799 | 72.21576 |
| 46 | 158.4 | 1.18 | -0.23 | 0.74 | 158.397 | 0.745 | 6 | 1.69388 | 123.8362 | 2.73006 | 0 | 2.7301 | 57.02 | 0.758 | -1E-04 | 6 | 0.7187 | 0.506 | 1.94 | 74.44452 |
| 47 | 157.7 | 1.13 | -0.2 | 0.71 | 157.698 | 0.7166 | 6 | 1.68452 | 123.5086 | 2.79182 | 0 | 2.7918 | 55.486 | 0.7295 | -9E-05 | 6 | 0.7213 | 0.4967 | 1.939 | 72.71536 |
| 48 | 156.2 | 1.02 | -0.08 | 0.65 | 156.199 | 0.653 | 6 | 1.66231 | 122.736 | 2.85318 | 0 | 2.8532 | 53.746 | 0.6652 | -4E-05 | 6 | 0.7191 | 0.49 | 1.9255 | 71.01548 |
| 49 | 157.9 | 1.08 | -0.07 | 0.68 | 157.899 | 0.684 | 6 | 1.67126 | 123.1806 | 2.91477 | 0 | 2.9148 | 53.172 | 0.6968 | -3E-05 | 6 | 0.7281 | 0.4782 | 1.9416 | 70.03587 |
| 50 | 135 | 1.23 | 0.04 | 0.91 | 135 | 0.9111 | 6 | 1.80344 | 123.75 | 2.97665 | 0 | 2.9767 | 44.353 | 0.9317 | 2E-05 | 5 | 0.7907 | 0.4414 | 2.0986 | 55.07196 |
| 51 | 28.5 | 1.62 | 0.52 | 5.67 | 28.5064 | 5.6829 | 3 | 2.83881 | 121.9722 | 3.03763 | 0 | 3.0376 | 8.3844 | 6.3607 | 0.0015 | 3 | 1 | 0.3483 | 3.2526 | 8.3844 |
| 52 | 37.6 | 2.62 | 1.28 | 6.97 | 37.6157 | 6.9652 | 3 | 2.8176 | 126.1662 | 3.10072 | 0 | 3.1007 | 11.131 | 7.5909 | 0.0027 | 3 | 1 | 0.3413 | 3.2069 | 11.13128 |
| 53 | 134.6 | 1.55 | 0.15 | 1.15 | 134.602 | 1.1515 | 6 | 1.87249 | 125.4348 | 3.16344 | 0 | 3.1634 | 41.549 | 1.1793 | 8E-05 | 5 | 0.8358 | 0.4004 | 2.1939 | 49.73567 |
| 54 | 148.9 | 1.14 | 0.06 | 0.77 | 148.901 | 0.7656 | 6 | 1.72208 | 123.4331 | 3.22515 | 0 | 3.2252 | 45.169 | 0.7826 | 3E-05 | 6 | 0.7802 | 0.4192 | 2.0396 | 57.70853 |
| 55 | 200.1 | 2.1 | 1.46 | 1.05 | 200.118 | 1.0494 | 6 | 1.72155 | 128.6241 | 3.28946 | 0 | 3.2895 | 59.836 | 1.0669 | 0.0005 | 6 | 0.7737 | 0.4158 | 2.0147 | 77.34739 |
| 56 | 183.8 | 0.96 | 1.15 | 0.52 | 183.814 | 0.5223 | 6 | 1.5469 | 122.6894 | 3.35081 | 0 | 3.3508 | 53.857 | 0.532 | 0.0005 | 6 | 0.7165 | 0.4378 | 1.856 | 74.67068 |
| 57 | 100.7 | 1.35 | 0.15 | 1.34 | 100.702 | 1.3406 | 6 | 2.00991 | 123.7163 | 3.41267 | 0 | 3.4127 | 28.508 | 1.3876 | 0.0001 | 5 | 0.928 | 0.3373 | 2.4021 | 31.01466 |
| 58 | 103.2 | 1.77 | 0.49 | 1.71 | 103.206 | 1.715 | 5 | 2.07551 | 125.7582 | 3.47555 | 0 | 3.4756 | 28.695 | 1.7748 | 0.0004 | 5 | 0.9577 | 0.3202 | 2.4738 | 30.17605 |
| 59 | 114.7 | 1.98 | 0.16 | 1.72 | 114.702 | 1.7262 | 5 | 2.04505 | 126.8361 | 3.53896 | 0 | 3.539 | 31.411 | 1.7812 | 0.0001 | 5 | 0.9476 | 0.3185 | 2.4388 | 33.4644 |
| 60 | 121.8 | 1.89 | -0.08 | 1.55 | 121.799 | 1.5517 | 6 | 1.99383 | 126.6422 | 3.60228 | 0 | 3.6023 | 32.812 | 1.599 | -5E-05 | 5 | 0.9318 | 0.3193 | 2.3885 | 35.67095 |
| 61 | 126.7 | 1.91 | -0.07 | 1.51 | 126.699 | 1.5075 | 6 | 1.97284 | 126.8154 | 3.66569 | 0 | 3.6657 | 33.563 | 1.5524 | -4E-05 | 5 | 0.9266 | 0.3162 | 2.3703 | 36.77015 |
| 62 | 124.1 | 2.37 | -0.23 | 1.91 | 124.097 | 1.9098 | 5 | 2.05307 | 128.3437 | 3.72986 | 0 | 3.7299 | 32.271 | 1.969 | -1E-04 | 5 | 0.9654 | 0.2963 | 2.4628 | 33.71039 |
| 63 | 133.2 | 1.82 | -0.54 | 1.36 | 133.193 | 1.3664 | 6 | 1.92734 | 126.5841 | 3.79316 | 0 | 3.7932 | 34.114 | 1.4065 | -3E-04 | 5 | 0.9192 | 0.3093 | 2.3351 | 37.81913 |
| 64 | 159.7 | 1.5 | -0.34 | 0.94 | 159.696 | 0.9393 | 6 | 1.75786 | 125.6118 | 3.85596 | 0 | 3.856 | 40.415 | 0.9625 | -2E-04 | 5 | 0.8516 | 0.3325 | 2.1487 | 48.96807 |
| 65 | 118.4 | 2.1 | -0.31 | 1.77 | 118.396 | 1.7737 | 5 | 2.04387 | 127.344 | 3.91963 | 0 | 3.9196 | 29.206 | 1.8344 | -2E-04 | 5 | 0.9828 | 0.2761 | 2.4859 | 29.87132 |
| 66 | 157.5 | 1.31 | -0.3 | 0.83 | 157.496 | 0.8318 | 6 | 1.72699 | 124.587 | 3.98193 | 0 | 3.9819 | 38.553 | 0.8533 | -1E-04 | 5 | 0.8527 | 0.323 | 2.1359 | 46.86301 |
| 67 | 131.2 | 1.95 | -0.15 | 1.49 | 131.198 | 1.4863 | 6 | 1.9578 | 127.0521 | 4.04545 | 0 | 4.0455 | 31.431 | 1.5336 | -8E-05 | 5 | 0.9576 | 0.2769 | 2.4022 | 33.27191 |
| 68 | 139.5 | 1.93 | -0.41 | 1.38 | 139.495 | 1.3836 | 6 | 1.91696 | 127.1263 | 4.10902 | 0 | 4.109 | 32.949 | 1.4256 | -2E-04 | 5 | 0.9452 | 0.2774 | 2.3609 | 35.49077 |
| 69 | 172.2 | 1.88 | -0.38 | 1.09 | 172.195 | 1.0918 | 6 | 1.77954 | 127.4479 | 4.17274 | 0 | 4.1727 | 40.267 | 1.1189 | -2E-04 | 5 | 0.8859 | 0.2965 | 2.1998 | 47.08965 |
| 70 | 130.9 | 2.78 | -0.62 | 2.12 | 130.892 | 2.1239 | 5 | 2.07158 | 129.6412 | 4.23756 | 0 | 4.2376 | 29.889 | 2.1949 | -4E-04 | 4 | 1 | 0.2497 | 2.533 | 29.88862 |
| 71 | 148.6 | 1.79 | -0.4 | 1.21 | 148.595 | 1.2046 | 6 | 1.85507 | 126.7294 | 4.30093 | 0 | 4.3009 | 33.55 | 1.2405 | -2E-04 | 5 | 0.9352 | 0.2694 | 2.3139 | 36.74165 |
| 72 | 117.8 | 3.12 | -1 | 2.65 | 117.788 | 2.6488 | 5 | 2.17389 | 130.2282 | 4.36604 | 0 | 4.366 | 25.978 | 2.7508 | -6E-04 | 4 | 1 | 0.2424 | 2.6417 | 25.97817 |
| 73 | 128.9 | 2.3 | -0.54 | 1.78 | 128.893 | 1.7844 | 5 | 2.02029 | 128.2168 | 4.43015 | 0 | 4.4302 | 28.095 | 1.8479 | -3E-04 | 4 | 1 | 0.2388 | 2.5092 | 28.0946 |
| 74 | 74.3 | 4.37 | -0.76 | 5.88 | 74.2907 | 5.8823 | 9 | 2.56795 | 131.5694 | 4.49593 | 0 | 4.4959 | 15.524 | 6.2612 | -8E-04 | 3 | 1 | 0.2354 | 3.0432 | 15.52398 |
| 75 | 81.8 | 5.81 | -1.13 | 7.1 | 81.7862 | 7.1039 | 9 | 2.6064 | 133.8878 | 4.56288 | 0 | 4.5629 | 16.924 | 7.5236 | -0.001 | 3 | 1 | 0.2319 | 3.0691 | 16.92425 |
| 76 | 85.7 | 5.81 | -0.79 | 6.79 | 85.6903 | 6.7802 | 9 | 2.57802 | 134.0015 | 4.62988 | 0 | 4.6299 | 17.508 | 7.1675 | -7E-04 | 3 | 1 | 0.2285 | 3.044 | 17.50812 |
| 77 | 74.8 | 5.76 | 0.46 | 7.7 | 74.8056 | 7.7 | 9 | 2.65775 | 133.607 | 4.69668 | 0 | 4.6967 | 14.927 | 8.2158 | 0.0005 | 3 | 1 | 0.2253 | 3.135 | 14.92734 |
| 78 | 75.2 | 5.74 | 1.06 | 7.63 | 75.213 | 7.6317 | 9 | 2.65324 | 133.5948 | 4.76348 | 0 | 4.7635 | 14.79 | 8.1477 | 0.0011 | 3 | 1 | 0.2221 | 3.1355 | 14.7895 |
| 79 | 78.2 | 5.41 | 0.48 | 6.92 | 78.2059 | 6.9176 | 9 | 2.60913 | 133.2567 | 4.83011 | 0 | 4.8301 | 15.191 | 7.373 | 0.0005 | 3 | 1 | 0.2191 | 3.0976 | 15.19133 |
| 80 | 105 | 5.58 | 0.69 | 5.31 | 105.008 | 5.3139 | 9 | 2.44034 | 134.2018 | 4.89721 | 0 | 4.8972 | 20.443 | 5.5738 | 0.0005 | 3 | 1 | 0.2161 | 2.9205 | 20.44251 |
| 81 | 162.8 | 3.42 | 0.4 | 2.1 | 162.805 | 2.1007 | 5 | 2.00614 | 131.6894 | 4.96305 | 0 | 4.9631 | 31.803 | 2.1667 | 0.0002 | 4 | 1 | 0.2132 | 2.5083 | 31.80338 |
| 82 | 148.8 | 4.4 | 0.47 | 2.96 | 148.806 | 2.9569 | 5 | 2.14624 | 133.3137 | 5.02971 | 0 | 5.0297 | 28.585 | 3.0603 | 0.0002 | 4 | 1 | 0.2104 | 2.6392 | 28.58536 |
| 83 | 233 | 3.2 | 0.65 | 1.37 | 233.008 | 1.3733 | 6 | 1.76467 | 132.0773 | 5.09575 | 0 | 5.0958 | 44.726 | 1.4041 | 0.0002 | 5 | 0.9492 | 0.2249 | 2.2484 | 48.44202 |
| 84 | 259.1 | 2.9 | 0.69 | 1.12 | 259.108 | 1.1192 | 6 | 1.66698 | 131.616 | 5.16156 | 0 | 5.1616 | 49.2 | 1.142 | 0.0002 | 5 | 0.9097 | 0.2366 | 2.1393 | 56.77356 |
| 85 | 247.6 | 2.06 | 0.67 | 0.83 | 247.608 | 0.832 | 6 | 1.58478 | 129.0028 | 5.22606 | 0 | 5.2261 | 46.38 | 0.8499 | 0.0002 | 5 | 0.888 | 0.2421 | 2.0736 | 55.46832 |
| 86 | 199.2 | 3.31 | 0.8 | 1.66 | 199.21 | 1.6616 | 6 | 1.8718 | 131.9424 | 5.29203 | 0 | 5.292 | 36.643 | 1.7069 | 0.0003 | 5 | 1 | 0.1999 | 2.3962 | 36.64337 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 87 | 133 | 3.78 | 0.77 | 2.85 | 133.009 | 2.8419 | 5 | 2.16325 | 131.9287 | 5.35799 | 0 | 5.358 | 23.824 | 2.9612 | 0.0004 | 4 | 1 | 0.1975 | 2.691 | 23.82448 |
| 88 | 169.4 | 3.71 | 1.3 | 2.19 | 169.416 | 2.1899 | 5 | 2.00913 | 132.382 | 5.42418 | 0 | 5.4242 | 30.233 | 2.2623 | 0.0006 | 4 | 1 | 0.1951 | 2.5372 | 30.23344 |
| 89 | 143.3 | 3.15 | 0.67 | 2.2 | 143.308 | 2.1981 | 5 | 2.05692 | 130.7765 | 5.48957 | 0 | 5.4896 | 25.106 | 2.2856 | 0.0004 | 4 | 1 | 0.1928 | 2.6037 | 25.10553 |
| 90 | 82.4 | 4.25 | 1.61 | 5.16 | 82.4197 | 5.1565 | 9 | 2.49513 | 131.6189 | 5.55538 | 0 | 5.5554 | 13.836 | 5.5292 | 0.0015 | 3 | 1 | 0.1905 | 3.0457 | 13.83601 |
| 91 | 158.8 | 2.14 | 1.05 | 1.35 | 158.813 | 1.3475 | 6 | 1.86942 | 128.1983 | 5.61948 | 0 | 5.6195 | 27.261 | 1.3969 | 0.0005 | 5 | 1 | 0.1883 | 2.45 | 27.26112 |
| 92 | 105.3 | 3.75 | 1.06 | 3.56 | 105.313 | 3.5608 | 5 | 2.30333 | 131.3009 | 5.68513 | 0 | 5.6851 | 17.524 | 3.764 | 0.0008 | 3 | 1 | 0.1861 | 2.8603 | 17.52428 |
| 93 | 59.6 | 3.89 | 0.92 | 6.53 | 59.6113 | 6.5256 | 3 | 2.66371 | 130.1811 | 5.75022 | 0 | 5.7502 | 9.3668 | 7.2223 | 0.0012 | 3 | 1 | 0.184 | 3.2501 | 9.36678 |
| 94 | 81.7 | 4.13 | 3.17 | 5.05 | 81.7388 | 5.0527 | 9 | 2.49058 | 131.3891 | 5.81592 | 0 | 5.8159 | 13.054 | 5.4397 | 0.003 | 3 | 1 | 0.1819 | 3.0605 | 13.05433 |
| 95 | 88 | 4.52 | 2.34 | 5.14 | 88.0286 | 5.1347 | 9 | 2.4757 | 132.2301 | 5.88203 | 0 | 5.882 | 13.966 | 5.5024 | 0.0021 | 3 | 1 | 0.1799 | 3.0412 | 13.96569 |
| 96 | 193.3 | 2.74 | 2.54 | 1.42 | 193.331 | 1.4173 | 6 | 1.82775 | 130.4865 | 5.94728 | 0 | 5.9473 | 31.508 | 1.4622 | 0.001 | 5 | 1 | 0.1779 | 2.4095 | 31.50751 |
| 97 | 119.6 | 4.49 | 2.48 | 3.75 | 119.63 | 3.7532 | 8 | 2.28624 | 132.9296 | 6.01374 | 0 | 6.0137 | 18.893 | 3.9519 | 0.0016 | 3 | 1 | 0.176 | 2.8484 | 18.89284 |
| 98 | 126.5 | 2.78 | 1.74 | 2.2 | 126.521 | 2.1973 | 5 | 2.0924 | 129.5584 | 6.07852 | 0 | 6.0785 | 19.814 | 2.3082 | 0.001 | 4 | 1 | 0.1741 | 2.6886 | 19.81449 |
| 99 | 88.1 | 4.67 | 1.9 | 5.3 | 88.1233 | 5.2994 | 9 | 2.48612 | 132.4716 | 6.14475 | 0 | 6.1448 | 13.341 | 5.6966 | 0.0017 | 3 | 1 | 0.1722 | 3.0661 | 13.34122 |
| 100 | 122.3 | 3.92 | 2.16 | 3.2 | 122.326 | 3.2045 | 5 | 2.22664 | 131.9906 | 6.21075 | 0 | 6.2108 | 18.696 | 3.3759 | 0.0013 | 4 | 1 | 0.1704 | 2.8088 | 18.69592 |
| 101 | 168.7 | 2.52 | 2.22 | 1.49 | 168.727 | 1.4935 | 6 | 1.88414 | 129.542 | 6.27552 | 0 | 6.2755 | 25.887 | 1.5512 | 0.001 | 5 | 1 | 0.1686 | 2.4942 | 25.88656 |
| 102 | 187.7 | 3 | 2.09 | 1.6 | 187.726 | 1.5981 | 6 | 1.8755 | 131.078 | 6.34106 | 0 | 6.3411 | 28.605 | 1.6539 | 0.0008 | 5 | 1 | 0.1669 | 2.4746 | 28.60476 |
| 103 | 112.4 | 5.22 | 2.22 | 4.64 | 112.427 | 4.643 | 9 | 2.37574 | 133.8804 | 6.408 | 0 | 6.408 | 16.545 | 4.9236 | 0.0015 | 3 | 1 | 0.1651 | 2.9539 | 16.54481 |
| 104 | 125 | 6.03 | 2.09 | 4.82 | 125.026 | 4.823 | 9 | 2.3613 | 135.1949 | 6.4756 | 0 | 6.4756 | 18.307 | 5.0865 | 0.0013 | 3 | 1 | 0.1634 | 2.9298 | 18.30719 |
| 105 | 167.9 | 3.21 | 1.84 | 1.91 | 167.923 | 1.9116 | 6 | 1.96612 | 131.3012 | 6.54125 | 0 | 6.5413 | 24.671 | 1.9891 | 0.0008 | 4 | 1 | 0.1618 | 2.5736 | 24.67133 |
| 106 | 133.6 | 4.8 | 1.91 | 3.59 | 133.623 | 3.5922 | 8 | 2.24167 | 133.6879 | 6.60809 | 0 | 6.6081 | 19.221 | 3.7791 | 0.0011 | 3 | 1 | 0.1601 | 2.8302 | 19.22117 |
| 107 | 112.7 | 4.11 | 2.13 | 3.64 | 112.726 | 3.646 | 5 | 2.29253 | 132.1375 | 6.67416 | 0 | 6.6742 | 15.89 | 3.8755 | 0.0015 | 3 | 1 | 0.1585 | 2.9014 | 15.88992 |
| 108 | 123.5 | 5.12 | 1.34 | 4.14 | 123.516 | 4.1452 | 9 | 2.3118 | 133.9683 | 6.74115 | 0 | 6.7412 | 17.323 | 4.3845 | 0.0008 | 3 | 1 | 0.157 | 2.9062 | 17.32276 |
| 109 | 121.8 | 5.4 | 1.67 | 4.43 | 121.82 | 4.4328 | 9 | 2.33864 | 134.3241 | 6.80831 | 0 | 6.8083 | 16.893 | 4.6952 | 0.0011 | 3 | 1 | 0.1554 | 2.9336 | 16.89291 |
| 110 | 70 | 5.26 | 1.9 | 7.52 | 70.0233 | 7.5118 | 9 | 2.66689 | 132.7814 | 6.8747 | 0 | 6.8747 | 9.1857 | 8.3296 | 0.0022 | 3 | 1 | 0.1539 | 3.2965 | 9.18565 |
| 111 | 116.5 | 6.16 | 2.89 | 5.29 | 116.535 | 5.286 | 9 | 2.41146 | 135.1794 | 6.94229 | 0 | 6.9423 | 15.786 | 5.6208 | 0.0019 | 3 | 1 | 0.1524 | 3.0068 | 15.78631 |
| 112 | 73.1 | 5.79 | 2.87 | 7.91 | 73.1351 | 7.9169 | 9 | 2.67329 | 133.5899 | 7.00908 | 0 | 7.0091 | 9.4343 | 8.756 | 0.0031 | 3 | 1 | 0.151 | 3.3018 | 9.43434 |
| 113 | 73.4 | 5.4 | 3.96 | 7.35 | 73.4485 | 7.3521 | 9 | 2.64675 | 133.0901 | 7.07563 | 0 | 7.0756 | 9.3805 | 8.1359 | 0.0043 | 3 | 1 | 0.1495 | 3.2829 | 9.38049 |
| 114 | 69.5 | 5.2 | 4.91 | 7.48 | 69.5601 | 7.4756 | 9 | 2.66702 | 132.6813 | 7.14197 | 0 | 7.142 | 8.7396 | 8.3309 | 0.0057 | 3 | 1 | 0.1482 | 3.313 | 8.73963 |
| 115 | 67.4 | 5.09 | 5.22 | 7.55 | 67.4639 | 7.5448 | 9 | 2.67841 | 132.4502 | 7.20819 | 0 | 7.2082 | 8.3593 | 8.4473 | 0.0062 | 3 | 1 | 0.1468 | 3.3316 | 8.35933 |
| 116 | 84.4 | 5.58 | 5.09 | 6.6 | 84.4623 | 6.6065 | 9 | 2.57288 | 133.6708 | 7.27503 | 0 | 7.275 | 10.61 | 7.2292 | 0.0048 | 3 | 1 | 0.1454 | 3.2089 | 10.60989 |
| 117 | 102.5 | 4.33 | 6.24 | 4.22 | 102.576 | 4.2212 | 9 | 2.36778 | 132.289 | 7.34117 | 0 | 7.3412 | 12.973 | 4.5466 | 0.0047 | 3 | 1 | 0.1441 | 3.0135 | 12.97275 |
| 118 | 134.6 | 3.39 | 4.65 | 2.51 | 134.657 | 2.5175 | 5 | 2.11934 | 131.1619 | 7.40675 | 0 | 7.4068 | 17.18 | 2.664 | 0.0026 | 4 | 1 | 0.1429 | 2.7754 | 17.18029 |
| 119 | 120.2 | 5.09 | 4.66 | 4.23 | 120.257 | 4.2326 | 9 | 2.32606 | 133.86 | 7.47368 | 0 | 7.4737 | 15.091 | 4.5131 | 0.003 | 3 | 1 | 0.1416 | 2.9604 | 15.09073 |
| 120 | 69.8 | 5.09 | 4.25 | 7.3 | 69.852 | 7.2868 | 9 | 2.65718 | 132.5351 | 7.53995 | 0 | 7.54 | 8.2643 | 8.1686 | 0.0049 | 3 | 1 | 0.1403 | 3.3261 | 8.26425 |
| 121 | 67.5 | 4.68 | 5.49 | 6.93 | 67.5672 | 6.9264 | 9 | 2.64901 | 131.8395 | 7.60587 | 0 | 7.6059 | 7.8836 | 7.805 | 0.0066 | 3 | 1 | 0.1391 | 3.3293 | 7.88356 |
| 122 | 151.7 | 5.3 | 7.01 | 3.49 | 151.786 | 3.4918 | 8 | 2.19843 | 134.7238 | 7.67323 | 0 | 7.6732 | 18.781 | 3.6777 | 0.0035 | 3 | 1 | 0.1379 | 2.8305 | 18.78121 |
| 123 | 129.9 | 5.65 | 6.87 | 4.35 | 129.984 | 4.3467 | 9 | 2.31493 | 134.8135 | 7.74064 | 0 | 7.7406 | 15.792 | 4.6219 | 0.0041 | 3 | 1 | 0.1367 | 2.9517 | 15.79242 |
| 124 | 152.3 | 6.11 | 7.09 | 4.01 | 152.387 | 4.0095 | 8 | 2.24587 | 135.774 | 7.80853 | 0 | 7.8085 | 18.515 | 4.2261 | 0.0035 | 3 | 1 | 0.1355 | 2.8737 | 18.51543 |
| 125 | 68 | 4.51 | 6.63 | 6.62 | 68.0812 | 6.6245 | 9 | 2.6319 | 131.5872 | 7.87432 | 0 | 7.8743 | 7.646 | 7.4908 | 0.0079 | 3 | 1 | 0.1344 | 3.3283 | 7.64597 |
| 126 | 81.6 | 5.09 | 7.01 | 6.22 | 81.6858 | 6.2312 | 9 | 2.56172 | 132.9168 | 7.94078 | 0 | 7.9408 | 9.2869 | 6.9022 | 0.0068 | 3 | 1 | 0.1333 | 3.2404 | 9.28688 |
| 127 | 101.1 | 5.71 | 7.9 | 5.64 | 101.197 | 5.6425 | 9 | 2.47081 | 134.2802 | 8.00792 | 0 | 8.0079 | 11.637 | 6.1274 | 0.0061 | 3 | 1 | 0.1321 | 3.132 | 11.63708 |
| 128 | 184.1 | 3.82 | 7.06 | 2.07 | 184.186 | 2.074 | 6 | 1.96796 | 132.7997 | 8.07432 | 0 | 8.0743 | 21.811 | 2.1691 | 0.0029 | 4 | 1 | 0.1311 | 2.639 | 21.81139 |
| 129 | 118.1 | 7.51 | 7.63 | 6.35 | 118.193 | 6.354 | 9 | 2.47278 | 136.6638 | 8.14265 | 0 | 8.1427 | 13.515 | 6.8241 | 0.005 | 3 | 1 | 0.13 | 3.113 | 13.51535 |
| 130 | 191.4 | 4.91 | 7.55 | 2.56 | 191.492 | 2.5641 | 5 | 2.03058 | 134.7313 | 8.21002 | 0 | 8.21 | 22.324 | 2.6789 | 0.003 | 4 | 1 | 0.1289 | 2.6861 | 22.32424 |
| 131 | 124.7 | 6.83 | 7.63 | 5.47 | 124.793 | 5.4731 | 9 | 2.40624 | 136.1019 | 8.27807 | 0 | 8.2781 | 14.075 | 5.8619 | 0.0047 | 3 | 1 | 0.1278 | 3.0565 | 14.07518 |
| 132 | 235.6 | 3.47 | 7.47 | 1.47 | 235.691 | 1.4723 | 6 | 1.78488 | 132.6979 | 8.34442 | 0 | 8.3444 | 27.245 | 1.5263 | 0.0024 | 5 | 1 | 0.1268 | 2.4719 | 27.24541 |
| 133 | 145.8 | 5.73 | 7.32 | 3.92 | 145.89 | 3.9276 | 8 | 2.24974 | 135.1979 | 8.41202 | 0 | 8.412 | 16.343 | 4.168 | 0.0038 | 3 | 1 | 0.1258 | 2.9117 | 16.343 |
| 134 | 72.4 | 5.46 | 9.11 | 7.53 | 72.5115 | 7.5298 | 9 | 2.65836 | 133.1396 | 8.47859 | 0 | 8.4786 | 7.5523 | 8.5269 | 0.0102 | 3 | 1 | 0.1248 | 3.3681 | 7.55231 |
| 135 | 160.9 | 7.52 | 8.81 | 4.67 | 161.008 | 4.6706 | 9 | 2.28645 | 137.28 | 8.54723 | 0 | 8.5472 | 17.837 | 4.9324 | 0.0042 | 3 | 1 | 0.1238 | 2.9296 | 17.83744 |
| 136 | 147.6 | 5.61 | 8.55 | 3.8 | 147.705 | 3.7981 | 8 | 2.23482 | 135.0732 | 8.61476 | 0 | 8.6148 | 16.146 | 4.0334 | 0.0044 | 3 | 1 | 0.1228 | 2.9068 | 16.14553 |
| 137 | 149.4 | 8.09 | 9.27 | 5.41 | 149.513 | 5.4109 | 9 | 2.35738 | 137.28 | 8.6834 | 0 | 8.6834 | 16.218 | 5.7445 | 0.0047 | 3 | 1 | 0.1219 | 3.0042 | 16.21831 |
| 138 | 124.5 | 7.5 | 7.44 | 6.01 | 124.591 | 6.0197 | 9 | 2.44041 | 136.7826 | 8.75179 | 0 | 8.7518 | 13.236 | 6.4745 | 0.0046 | 3 | 1 | 0.1209 | 3.1048 | 13.23606 |
| 139 | 228.6 | 4.24 | 7.68 | 1.86 | 228.694 | 1.854 | 6 | 1.87172 | 134.0908 | 8.81884 | 0 | 8.8188 | 24.932 | 1.9284 | 0.0025 | 4 | 1 | 0.12 | 2.562 | 24.93244 |
| 140 | 164.5 | 8.27 | 8.4 | 5.03 | 164.603 | 5.0242 | 9 | 2.30738 | 137.28 | 8.88748 | 0 | 8.8875 | 17.521 | 5.311 | 0.0039 | 3 | 1 | 0.1191 | 2.9565 | 17.52076 |
| 141 | 238.5 | 4.9 | 8.29 | 2.05 | 238.601 | 2.0536 | 6 | 1.89631 | 135.2528 | 8.9551 | 0 | 8.9551 | 25.644 | 2.1337 | 0.0026 | 4 | 1 | 0.1182 | 2.5783 | 25.64418 |
| 142 | 142 | 7.4 | 8.37 | 5.21 | 142.102 | 5.2075 | 9 | 2.35612 | 137.0052 | 9.02361 | 0 | 9.0236 | 14.748 | 5.5606 | 0.0045 | 3 | 1 | 0.1173 | 3.0262 | 14.74785 |
| 143 | 201.4 | 5.32 | 8.64 | 2.64 | 201.506 | 2.6401 | 5 | 2.02771 | 135.4424 | 9.09133 | 0 | 9.0913 | 21.165 | 2.7649 | 0.0032 | 4 | 1 | 0.1164 | 2.7129 | 21.16461 |
| 144 | 342.8 | 4 | 7.6 | 1.17 | 342.893 | 1.1665 | 6 | 1.60515 | 134.6523 | 9.15865 | 0 | 9.1587 | 36.439 | 1.1986 | 0.0016 | 5 | 1 | 0.1155 | 2.3084 | 36.43923 |
| 145 | 320.1 | 3.77 | 7.7 | 1.18 | 320.194 | 1.1774 | 6 | 1.6263 | 134.052 | 9.22568 | 0 | 9.2257 | 33.707 | 1.2123 | 0.0018 | 5 | 1 | 0.1147 | 2.3392 | 33.70684 |
| 146 | 329.1 | 5.69 | 8.28 | 1.73 | 329.201 | 1.7284 | 6 | 1.75482 | 137.1316 | 9.29425 | 0 | 9.2943 | 34.42 | 1.7786 | 0.0019 | 5 | 1 | 0.1139 | 2.4287 | 34.41991 |

| | CPT-12 | In situ data | | | Basic output data | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth (ft) | qc (tsf) | fs (tsf) | u (psi) | Other | qt (tsf) | Rf(%) | SBT | Ic SBT | ã (pcf) | ó,v (tsf) | u0 (tsf) | ó',vo (tsf) | Qt1 | Fr (%) | Bq | SBTn | n | Cn | Ic | Qtn |
| 1 | 88 | 0.71 | 0 | 0.8 | 88 | 0.8068 | 6 | 1.91632 | 118.6856 | 0.05934 | 0 | 0.0593 | 1481.9 | 0.8074 | 0 | 6 | 0.4939 | 2 | 1.6826 | 166.2225 |
| 2 | 76.4 | 0.56 | 0 | 0.73 | 76.4 | 0.733 | 6 | 1.94272 | 116.6043 | 0.11764 | 0 | 0.1176 | 648.41 | 0.7341 | 0 | 6 | 0.5041 | 2 | 1.7023 | 144.1863 |
| 3 | 62.3 | 0.48 | 0.05 | 0.77 | 62.3006 | 0.7705 | 6 | 2.02855 | 114.9788 | 0.17513 | 0 | 0.1751 | 354.73 | 0.7726 | 6E-05 | 6 | 0.5386 | 2 | 1.7856 | 117.4275 |
| 4 | 46 | 0.54 | 0 | 1.18 | 46 | 1.1739 | 5 | 2.24021 | 115.1008 | 0.23268 | 0 | 0.2327 | 196.69 | 1.1799 | 0 | 6 | 0.6248 | 2 | 2.0047 | 86.50783 |
| 5 | 47.8 | 0.41 | 0.38 | 0.87 | 47.8047 | 0.8577 | 5 | 2.15048 | 113.1794 | 0.28927 | 0 | 0.2893 | 164.26 | 0.8629 | 0.0006 | 6 | 0.5902 | 2 | 1.907 | 89.81196 |
| 6 | 43.8 | 0.84 | 0.38 | 1.91 | 43.8047 | 1.9176 | 5 | 2.38578 | 118.2144 | 0.34838 | 0 | 0.3484 | 124.74 | 1.933 | 0.0006 | 5 | 0.6914 | 2 | 2.1652 | 82.13957 |
| 7 | 37.9 | 0.47 | 0.28 | 1.25 | 37.9034 | 1.24 | 5 | 2.32283 | 113.6127 | 0.40519 | 0 | 0.4052 | 92.545 | 1.2534 | 0.0005 | 5 | 0.6718 | 1.9057 | 2.1044 | 67.53614 |
| 8 | 42 | 0.37 | 0.19 | 0.89 | 42.0023 | 0.8809 | 5 | 2.20424 | 112.1127 | 0.46124 | 0 | 0.4612 | 90.063 | 0.8907 | 0.0003 | 6 | 0.6406 | 1.7021 | 2.0185 | 66.82401 |
| 9 | 48 | 0.45 | 0.19 | 0.94 | 48.0023 | 0.9375 | 5 | 2.16995 | 113.8707 | 0.51818 | 0 | 0.5182 | 91.636 | 0.9477 | 0.0003 | 6 | 0.6413 | 1.5806 | 2.0134 | 70.93256 |
| 10 | 58 | 0.49 | 0.28 | 0.84 | 58.0034 | 0.8448 | 5 | 2.07645 | 114.9553 | 0.57566 | 0 | 0.5757 | 99.76 | 0.8533 | 0.0004 | 6 | 0.6192 | 1.4578 | 1.9481 | 79.12133 |
| 11 | 76.7 | 0.49 | 0.38 | 0.64 | 76.7047 | 0.6388 | 6 | 1.90855 | 115.6369 | 0.63348 | 0 | 0.6335 | 120.09 | 0.6441 | 0.0004 | 6 | 0.5686 | 1.3387 | 1.808 | 96.24529 |
| 12 | 77.3 | 0.57 | 0.28 | 0.73 | 77.3034 | 0.7374 | 6 | 1.93993 | 116.7625 | 0.69186 | 0 | 0.6919 | 110.73 | 0.744 | 0.0003 | 6 | 0.5899 | 1.2848 | 1.8563 | 93.02517 |
| 13 | 62.4 | 0.88 | 0.21 | 1.42 | 62.4026 | 1.4102 | 5 | 2.18235 | 119.4179 | 0.75157 | 0 | 0.7516 | 82.03 | 1.4274 | 0.0003 | 5 | 0.6898 | 1.2661 | 2.111 | 73.77064 |
| 14 | 47.7 | 0.82 | 0.28 | 1.73 | 47.7034 | 1.719 | 5 | 2.32714 | 118.246 | 0.81069 | 0 | 0.8107 | 57.843 | 1.7487 | 0.0004 | 5 | 0.7536 | 1.2223 | 2.2703 | 54.16828 |
| 15 | 47 | 0.77 | 0.09 | 1.63 | 47.0011 | 1.6383 | 5 | 2.3192 | 117.7495 | 0.86956 | 0 | 0.8696 | 53.051 | 1.6691 | 0.0001 | 5 | 0.76 | 1.1608 | 2.2801 | 50.61014 |
| 16 | 82.8 | 0.96 | 0.09 | 1.15 | 82.8011 | 1.1594 | 6 | 2.03337 | 120.7444 | 0.92994 | 0 | 0.9299 | 88.04 | 1.1726 | 8E-05 | 6 | 0.6605 | 1.089 | 2.0117 | 84.26349 |
| 17 | 99.9 | 0.84 | 0.38 | 0.84 | 99.9047 | 0.8408 | 6 | 1.88287 | 120.2253 | 0.99005 | 0 | 0.9901 | 99.909 | 0.8492 | 0.0003 | 6 | 0.6112 | 1.0415 | 1.875 | 97.35921 |
| 18 | 128.3 | 1.21 | 0.47 | 0.94 | 128.306 | 0.9431 | 6 | 1.82995 | 123.506 | 1.0518 | 0 | 1.0518 | 120.99 | 0.9509 | 0.0003 | 6 | 0.5984 | 1.0036 | 1.8338 | 120.6965 |
| 19 | 101.5 | 1.05 | 0.35 | 1.03 | 101.504 | 1.0344 | 6 | 1.93359 | 121.8968 | 1.11275 | 0 | 1.1128 | 90.219 | 1.0459 | 0.0003 | 6 | 0.646 | 0.968 | 1.9512 | 91.8418 |
| 20 | 119.4 | 1.12 | 0.38 | 0.93 | 119.405 | 0.938 | 6 | 1.85221 | 122.7651 | 1.17413 | 0 | 1.1741 | 100.7 | 0.9473 | 0.0002 | 6 | 0.6218 | 0.9374 | 1.8798 | 104.7379 |
| 21 | 118.3 | 1.32 | 0.28 | 1.12 | 118.303 | 1.1158 | 6 | 1.9046 | 123.9447 | 1.2361 | 0 | 1.2361 | 94.707 | 1.1276 | 0.0002 | 6 | 0.6492 | 0.904 | 1.944 | 100.0158 |
| 22 | 122.9 | 1.08 | 0.28 | 0.88 | 122.903 | 0.8787 | 6 | 1.82442 | 122.5695 | 1.29739 | 0 | 1.2974 | 93.731 | 0.8881 | 0.0002 | 6 | 0.6255 | 0.8803 | 1.8739 | 101.1678 |
| 23 | 108.7 | 0.72 | 0.19 | 0.66 | 108.702 | 0.6624 | 6 | 1.79178 | 119.3032 | 1.35704 | 0 | 1.357 | 79.102 | 0.6707 | 0.0001 | 6 | 0.6207 | 0.8569 | 1.8544 | 86.93273 |
| 24 | 131.1 | 0.99 | 0.32 | 0.75 | 131.104 | 0.7551 | 6 | 1.76112 | 122.0904 | 1.41809 | 0 | 1.4181 | 91.451 | 0.7634 | 0.0002 | 6 | 0.6141 | 0.8354 | 1.8294 | 102.3935 |
| 25 | 91.8 | 0.8 | 0.19 | 0.88 | 91.8023 | 0.8714 | 6 | 1.9215 | 119.662 | 1.47792 | 0 | 1.4779 | 61.116 | 0.8857 | 0.0002 | 6 | 0.6863 | 0.7951 | 2.0116 | 67.87031 |
| 26 | 118.1 | 1.18 | 0.09 | 1 | 118.101 | 0.9991 | 6 | 1.8736 | 123.1202 | 1.53948 | 0 | 1.5395 | 75.715 | 1.0123 | 6E-05 | 6 | 0.6718 | 0.7773 | 1.966 | 85.63004 |
| 27 | 136 | 1.15 | 0 | 0.85 | 136 | 0.8456 | 6 | 1.77996 | 123.276 | 1.60112 | 0 | 1.6011 | 83.941 | 0.8557 | 0 | 6 | 0.6408 | 0.7669 | 1.8768 | 97.40817 |
| 28 | 131.1 | 1.18 | 0 | 0.9 | 131.1 | 0.9001 | 6 | 1.80966 | 123.3749 | 1.6628 | 0 | 1.6628 | 77.843 | 0.9116 | 0 | 6 | 0.6593 | 0.7423 | 1.9178 | 90.80287 |
| 29 | 68.1 | 0.87 | -0.19 | 1.28 | 68.0977 | 1.2776 | 5 | 2.12592 | 119.5473 | 1.72258 | 0 | 1.7226 | 38.532 | 1.3107 | -2E-04 | 5 | 0.7986 | 0.6776 | 2.276 | 42.50595 |
| 30 | 49.6 | 0.74 | -0.1 | 1.49 | 49.5988 | 1.492 | 5 | 2.27578 | 117.5899 | 1.78137 | 0 | 1.7814 | 26.843 | 1.5476 | -2E-04 | 5 | 0.8708 | 0.6354 | 2.4566 | 28.71249 |
| 31 | 42.6 | 1.17 | -0.81 | 2.74 | 42.5901 | 2.7471 | 4 | 2.49618 | 120.5704 | 1.84166 | 0 | 1.8417 | 22.126 | 2.8713 | -0.001 | 4 | 0.9664 | 0.5853 | 2.7014 | 22.54143 |
| 32 | 49 | 0.75 | -0.81 | 1.52 | 48.9901 | 1.5309 | 5 | 2.28688 | 117.658 | 1.90049 | 0 | 1.9005 | 24.778 | 1.5927 | -0.001 | 5 | 0.8904 | 0.5937 | 2.4934 | 26.41957 |
| 33 | 40.2 | 1.09 | -0.71 | 2.72 | 40.1913 | 2.712 | 4 | 2.51137 | 119.9107 | 1.96044 | 0 | 1.9604 | 19.501 | 2.8511 | -0.001 | 4 | 0.9901 | 0.5431 | 2.747 | 19.62102 |
| 34 | 93.4 | 0.95 | -0.54 | 1.02 | 93.3934 | 1.0172 | 6 | 1.95698 | 120.9613 | 2.02092 | 0 | 2.0209 | 45.213 | 1.0397 | -4E-04 | 5 | 0.7614 | 0.611 | 2.1411 | 52.76131 |
| 35 | 58.8 | 0.76 | -0.5 | 1.3 | 58.7939 | 1.2927 | 5 | 2.17925 | 118.1999 | 2.08002 | 0 | 2.08 | 27.266 | 1.3401 | -6E-04 | 5 | 0.8655 | 0.5571 | 2.4072 | 29.86061 |
| 36 | 40.7 | 1.37 | -1.49 | 3.38 | 40.6818 | 3.3676 | 4 | 2.57038 | 121.6132 | 2.14083 | 0 | 2.1408 | 18.003 | 3.5547 | -0.003 | 3 | 1 | 0.4943 | 2.8356 | 18.00281 |
| 37 | 78.6 | 0.99 | -0.57 | 1.26 | 78.593 | 1.2597 | 5 | 2.07372 | 120.8423 | 2.20125 | 0 | 2.2013 | 34.704 | 1.296 | -5E-04 | 5 | 0.8308 | 0.5441 | 2.301 | 39.28221 |
| 38 | 82.3 | 1.38 | -0.57 | 1.68 | 82.293 | 1.6769 | 5 | 2.14019 | 123.3847 | 2.26294 | 0 | 2.2629 | 35.366 | 1.7244 | -5E-04 | 5 | 0.8619 | 0.5193 | 2.375 | 39.27945 |
| 39 | 73.4 | 0.92 | -0.38 | 1.25 | 73.3954 | 1.2535 | 5 | 2.09538 | 120.1389 | 2.32301 | 0 | 2.323 | 30.595 | 1.2945 | -4E-04 | 5 | 0.8549 | 0.5105 | 2.349 | 34.29262 |
| 40 | 125.9 | 1.37 | -0.38 | 1.08 | 125.895 | 1.0882 | 6 | 1.87723 | 124.3685 | 2.3852 | 0 | 2.3852 | 51.782 | 1.1092 | -2E-04 | 5 | 0.7617 | 0.5384 | 2.0964 | 62.84875 |
| 41 | 115.7 | 1.21 | -0.28 | 1.04 | 115.697 | 1.0458 | 6 | 1.89331 | 123.2537 | 2.44682 | 0 | 2.4468 | 46.284 | 1.0684 | -2E-04 | 5 | 0.7767 | 0.5215 | 2.1282 | 55.81093 |
| 42 | 30.4 | 1.9 | -0.1 | 6.25 | 30.3988 | 6.2503 | 3 | 2.84792 | 123.2955 | 2.50847 | 0 | 2.5085 | 11.118 | 6.8124 | -3E-04 | 3 | 1 | 0.4218 | 3.1767 | 11.11845 |
| 43 | 48.9 | 1.63 | -0.38 | 3.34 | 48.8954 | 3.3337 | 4 | 2.50933 | 123.3332 | 2.57014 | 0 | 2.5701 | 18.024 | 3.5186 | -6E-04 | 3 | 1 | 0.4117 | 2.8324 | 18.02442 |
| 44 | 91 | 1.2 | -0.28 | 1.32 | 90.9966 | 1.3187 | 5 | 2.03809 | 122.6073 | 2.63144 | 0 | 2.6314 | 33.581 | 1.358 | -2E-04 | 5 | 0.8596 | 0.457 | 2.323 | 38.16142 |
| 45 | 102.2 | 1.26 | -0.17 | 1.24 | 102.198 | 1.2329 | 6 | 1.98091 | 123.2474 | 2.69306 | 0 | 2.6931 | 36.949 | 1.2663 | -1E-04 | 5 | 0.8401 | 0.4562 | 2.264 | 42.90088 |
| 46 | 73.5 | 1.84 | -0.28 | 2.51 | 73.4966 | 2.5035 | 5 | 2.29585 | 125.214 | 2.75567 | 0 | 2.7557 | 25.671 | 2.601 | -3E-04 | 4 | 0.9803 | 0.3913 | 2.6241 | 26.16054 |
| 47 | 120.5 | 1.41 | -0.28 | 1.17 | 120.497 | 1.1702 | 6 | 1.91251 | 124.4722 | 2.81791 | 0 | 2.8179 | 41.761 | 1.1982 | -2E-04 | 5 | 0.8208 | 0.4475 | 2.1977 | 49.77308 |
| 48 | 91.7 | 1.27 | -0.1 | 1.39 | 91.6988 | 1.385 | 5 | 2.04965 | 123.0409 | 2.87943 | 0 | 2.8794 | 30.846 | 1.4299 | -8E-05 | 5 | 0.8902 | 0.4102 | 2.3724 | 34.43122 |
| 49 | 86.4 | 0.91 | -0.19 | 1.05 | 86.3977 | 1.0533 | 6 | 1.99283 | 120.4567 | 2.93966 | 0 | 2.9397 | 28.39 | 1.0904 | -2E-04 | 5 | 0.8772 | 0.4081 | 2.3307 | 32.18515 |
| 50 | 64.2 | 1.64 | -0.46 | 2.55 | 64.1944 | 2.5547 | 5 | 2.344 | 124.042 | 3.00168 | 0 | 3.0017 | 20.386 | 2.6801 | -5E-04 | 4 | 1 | 0.3525 | 2.7175 | 20.38617 |
| 51 | 35.9 | 2.06 | -0.38 | 5.72 | 35.8954 | 5.7389 | 3 | 2.77081 | 124.2925 | 3.06382 | 0 | 3.0638 | 10.716 | 6.2745 | -8E-04 | 3 | 1 | 0.3454 | 3.1661 | 10.71587 |
| 52 | 57.8 | 1.97 | -0.4 | 3.41 | 57.7951 | 3.4086 | 4 | 2.46446 | 125.1273 | 3.12639 | 0 | 3.1264 | 17.486 | 3.6035 | -5E-04 | 3 | 1 | 0.3384 | 2.8492 | 17.48623 |
| 53 | 72.9 | 2.1 | -0.75 | 2.88 | 72.8908 | 2.881 | 5 | 2.34176 | 126.1609 | 3.18947 | 0 | 3.1895 | 21.854 | 3.0129 | -8E-04 | 4 | 1 | 0.3318 | 2.725 | 21.8536 |
| 54 | 103.7 | 0.97 | -0.24 | 0.93 | 103.697 | 0.9354 | 6 | 1.89875 | 121.369 | 3.25015 | 0 | 3.2502 | 30.905 | 0.9657 | -2E-04 | 5 | 0.8659 | 0.3784 | 2.2622 | 35.92402 |
| 55 | 88.3 | 2.02 | -0.26 | 2.29 | 88.2968 | 2.2877 | 5 | 2.21193 | 126.3443 | 3.31332 | 0 | 3.3133 | 25.649 | 2.3769 | -2E-04 | 4 | 0.9997 | 0.3195 | 2.6066 | 25.65758 |
| 56 | 93.8 | 2 | -0.47 | 2.13 | 93.7943 | 2.1323 | 5 | 2.17175 | 126.4189 | 3.37653 | 0 | 3.3765 | 26.778 | 2.212 | -4E-04 | 4 | 0.9882 | 0.3177 | 2.5681 | 27.14661 |
| 57 | 96.8 | 1.85 | -0.38 | 1.91 | 96.7954 | 1.9113 | 5 | 2.12839 | 125.9252 | 3.4395 | 0 | 3.4395 | 27.142 | 1.9817 | -3E-04 | 4 | 0.9769 | 0.3161 | 2.5298 | 27.89208 |
| 58 | 94.2 | 1.69 | -0.46 | 1.8 | 94.1944 | 1.7942 | 5 | 2.11759 | 125.1969 | 3.50209 | 0 | 3.5021 | 25.897 | 1.8634 | -4E-04 | 4 | 0.9805 | 0.3093 | 2.5318 | 26.50764 |
| 59 | 79.9 | 1.96 | -0.54 | 2.46 | 79.8934 | 2.4533 | 5 | 2.26402 | 125.8798 | 3.56503 | 0 | 3.565 | 21.41 | 2.5679 | -5E-04 | 4 | 1 | 0.2968 | 2.6893 | 21.41027 |
| 60 | 94.7 | 2.36 | -0.3 | 2.49 | 94.6963 | 2.4922 | 5 | 2.21771 | 127.6533 | 3.62886 | 0 | 3.6289 | 25.095 | 2.5915 | -2E-04 | 4 | 1 | 0.2916 | 2.6373 | 25.09533 |
| 61 | 130 | 1.95 | -0.22 | 1.5 | 129.997 | 1.5 | 6 | 1.96345 | 127.0297 | 3.69238 | 0 | 3.6924 | 34.207 | 1.5439 | -1E-04 | 5 | 0.9243 | 0.315 | 2.361 | 37.59999 |
| 62 | 115.5 | 0.99 | -0.28 | 0.86 | 115.497 | 0.8572 | 6 | 1.8385 | 121.7812 | 3.75327 | 0 | 3.7533 | 29.772 | 0.886 | -2E-04 | 5 | 0.8889 | 0.3245 | 2.26 | 34.26724 |
| 63 | 116.1 | 1.62 | -0.28 | 1.39 | 116.097 | 1.3954 | 6 | 1.97648 | 125.3973 | 3.81596 | 0 | 3.816 | 29.424 | 1.4428 | -2E-04 | 5 | 0.9487 | 0.2961 | 2.4071 | 31.42384 |
| 64 | 104.7 | 1.86 | -0.38 | 1.78 | 104.695 | 1.7766 | 5 | 2.08186 | 126.156 | 3.87904 | 0 | 3.879 | 25.99 | 1.8449 | -3E-04 | 4 | 0.9996 | 0.2729 | 2.5359 | 26.00461 |
| 65 | 121.9 | 1.33 | -0.4 | 1.09 | 121.895 | 1.0911 | 6 | 1.88844 | 124.0729 | 3.94108 | 0 | 3.9411 | 29.929 | 1.1276 | -2E-04 | 5 | 0.9238 | 0.2968 | 2.3286 | 33.08335 |
| 66 | 97.4 | 1.91 | -0.38 | 1.97 | 97.3954 | 1.9611 | 5 | 2.1344 | 126.1738 | 4.00417 | 0 | 4.0042 | 23.324 | 2.0452 | -3E-04 | 4 | 1 | 0.2643 | 2.6005 | 23.3235 |
| 67 | 85.5 | 1.92 | -0.8 | 2.24 | 85.4902 | 2.2459 | 5 | 2.21608 | 125.8941 | 4.06711 | 0 | 4.0671 | 20.02 | 2.3581 | -7E-04 | 4 | 1 | 0.2602 | 2.6905 | 20.01987 |
| 68 | 99.1 | 1.77 | -0.38 | 1.78 | 99.0954 | 1.7862 | 5 | 2.10047 | 125.659 | 4.12994 | 0 | 4.1299 | 22.994 | 1.8638 | -3E-04 | 4 | 1 | 0.2562 | 2.582 | 22.99436 |
| 69 | 105.6 | 2.96 | -1.42 | 2.8 | 105.583 | 2.8035 | 5 | 2.22371 | 129.5762 | 4.19473 | 0 | 4.1947 | 24.17 | 2.9195 | -0.001 | 4 | 1 | 0.2523 | 2.6823 | 24.1703 |
| 70 | 109.9 | 1.64 | -0.57 | 1.49 | 109.893 | 1.4924 | 6 | 2.01388 | 125.3531 | 4.25741 | 0 | 4.2574 | 24.812 | 1.5525 | -4E-04 | 5 | 1 | 0.2485 | 2.5096 | 24.81219 |
| 71 | 105.9 | 3.41 | -0.83 | 3.22 | 105.89 | 3.2203 | 5 | 2.26839 | 130.6188 | 4.32272 | 0 | 4.3227 | 23.496 | 3.3574 | -6E-04 | 4 | 1 | 0.2448 | 2.7303 | 23.49613 |
| 72 | 91.1 | 2.69 | -0.66 | 2.95 | 91.0919 | 2.9531 | 5 | 2.28329 | 128.5163 | 4.38698 | 0 | 4.387 | 19.764 | 3.1025 | -6E-04 | 4 | 1 | 0.2412 | 2.7671 | 19.76418 |
| 73 | 85.5 | 4.13 | -2.44 | 4.83 | 85.4701 | 4.8321 | 9 | 2.46329 | 131.498 | 4.45272 | 0 | 4.4527 | 18.195 | 5.0977 | -0.002 | 3 | 1 | 0.2376 | 2.9324 | 18.19502 |
| 74 | 100.7 | 4.74 | -4.93 | 4.7 | 100.64 | 4.7099 | 9 | 2.41015 | 132.9044 | 4.51918 | 0 | 4.5192 | 21.269 | 4.9313 | -0.004 | 3 | 1 | 0.2341 | 2.872 | 21.26947 |
| 75 | 115.8 | 7.03 | -4.86 | 6.08 | 115.741 | 6.0739 | 9 | 2.46207 | 136.1294 | 4.58724 | 0 | 4.5872 | 24.231 | 6.3246 | -0.003 | 3 | 1 | 0.2307 | 2.9042 | 24.23096 |
| 76 | 101.9 | 6.61 | -4.93 | 6.49 | 101.84 | 6.4906 | 9 | 2.51798 | 135.3666 | 4.65492 | 0 | 4.6549 | 20.878 | 6.8015 | -0.004 | 3 | 1 | 0.2273 | 2.9727 | 20.87783 |
| 77 | 100.1 | 6.03 | -5.07 | 6.03 | 100.038 | 6.0277 | 9 | 2.49675 | 134.6511 | 4.72225 | 0 | 4.7223 | 20.184 | 6.3264 | -0.004 | 3 | 1 | 0.2241 | 2.9618 | 20.18438 |
| 78 | 71.7 | 5 | -5.31 | 6.99 | 71.635 | 6.9798 | 9 | 2.63574 | 132.466 | 4.78848 | 0 | 4.7885 | 13.96 | 7.4798 | -0.006 | 3 | 1 | 0.221 | 3.129 | 13.95985 |
| 79 | 70.7 | 5.16 | -5.12 | 7.3 | 70.6373 | 7.3049 | 9 | 2.65502 | 132.6623 | 4.85481 | 0 | 4.8548 | 13.55 | 7.844 | -0.006 | 3 | 1 | 0.218 | 3.1524 | 13.54996 |
| 80 | 91.8 | 5.85 | -5.2 | 6.37 | 91.7364 | 6.377 | 9 | 2.53891 | 134.218 | 4.92192 | 0 | 4.9219 | 17.638 | 6.7385 | -0.004 | 3 | 1 | 0.215 | 3.0234 | 17.63832 |
| 81 | 112.8 | 6.74 | -4.96 | 5.98 | 112.739 | 5.9784 | 9 | 2.46313 | 135.7571 | 4.9898 | 0 | 4.9898 | 21.594 | 6.2553 | -0.003 | 3 | 1 | 0.2121 | 2.9371 | 21.59394 |
| 82 | 212.1 | 3.36 | -2.75 | 1.59 | 212.066 | 1.5844 | 6 | 1.83858 | 132.2046 | 5.0559 | 0 | 5.0559 | 40.944 | 1.6231 | -1E-03 | 5 | 0.9786 | 0.2164 | 2.3331 | 42.33935 |
| 83 | 182.9 | 4.25 | -0.95 | 2.32 | 182.888 | 2.3238 | 5 | 2.00866 | 133.5629 | 5.12269 | 0 | 5.1227 | 34.702 | 2.3908 | -4E-04 | 4 | 1 | 0.2066 | 2.5058 | 34.70166 |
| 84 | 89.5 | 5.04 | -1.12 | 5.63 | 89.4863 | 5.6322 | 9 | 2.50274 | 133.067 | 5.18922 | 0 | 5.1892 | 16.245 | 5.9789 | -1E-03 | 3 | 1 | 0.2039 | 3.0151 | 16.24466 |
| 85 | 160.5 | 3.06 | -0.84 | 1.91 | 160.49 | 1.9067 | 6 | 1.97802 | 130.8406 | 5.25464 | 0 | 5.2546 | 29.542 | 1.9712 | -4E-04 | 4 | 1 | 0.2014 | 2.5085 | 29.54248 |
| 86 | 96.2 | 4.35 | -1.11 | 4.52 | 96.1864 | 4.5225 | 9 | 2.40861 | 132.1658 | 5.32072 | 0 | 5.3207 | 17.078 | 4.7873 | -9E-04 | 3 | 1 | 0.1989 | 2.9355 | 17.0777 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 87 | 57 | 3.68 | -1.14 | 6.46 | 56.9861 | 6.4577 | 3 | 2.67292 | 129.6652 | 5.38555 | 0 | 5.3856 | 9.5813 | 7.1317 | -0.002 | 3 | 1 | 0.1965 | 3.239 | 9.58128 |
| 88 | 156.7 | 2.5 | -1.21 | 1.59 | 156.685 | 1.5956 | 6 | 1.92701 | 129.3031 | 5.45021 | 0 | 5.4502 | 27.748 | 1.6531 | -6E-04 | 5 | 1 | 0.1941 | 2.4852 | 27.74849 |
| 89 | 118.2 | 3.96 | -0.79 | 3.35 | 118.19 | 3.3505 | 5 | 2.25108 | 131.9809 | 5.5162 | 0 | 5.5162 | 20.426 | 3.5146 | -5E-04 | 4 | 1 | 0.1918 | 2.7898 | 20.42606 |
| 90 | 82 | 2.7 | -0.83 | 3.29 | 81.9898 | 3.2931 | 5 | 2.34906 | 128.2867 | 5.58034 | 0 | 5.5803 | 13.693 | 3.5336 | -8E-04 | 3 | 1 | 0.1896 | 2.9278 | 13.69263 |
| 91 | 169.2 | 2.56 | -0.76 | 1.51 | 169.191 | 1.5131 | 6 | 1.88753 | 129.6639 | 5.64517 | 0 | 5.6452 | 28.971 | 1.5653 | -3E-04 | 5 | 1 | 0.1874 | 2.4563 | 28.97087 |
| 92 | 97.4 | 3.52 | -0.76 | 3.61 | 97.3907 | 3.6143 | 5 | 2.33012 | 130.647 | 5.7105 | 0 | 5.7105 | 16.055 | 3.8394 | -6E-04 | 3 | 1 | 0.1853 | 2.8953 | 16.05468 |
| 93 | 122.4 | 3.24 | -0.76 | 2.64 | 122.391 | 2.6473 | 5 | 2.16283 | 130.5978 | 5.77579 | 0 | 5.7758 | 20.19 | 2.7784 | -5E-04 | 4 | 1 | 0.1832 | 2.7304 | 20.19028 |
| 94 | 133.7 | 2.19 | -0.85 | 1.64 | 133.69 | 1.6381 | 6 | 1.98241 | 127.9473 | 5.83977 | 0 | 5.8398 | 21.893 | 1.713 | -5E-04 | 4 | 1 | 0.1812 | 2.5786 | 21.89296 |
| 95 | 92.3 | 4.19 | -1.31 | 4.54 | 92.284 | 4.5403 | 9 | 2.42127 | 131.7906 | 5.90566 | 0 | 5.9057 | 14.626 | 4.8508 | -0.001 | 3 | 1 | 0.1792 | 2.9907 | 14.62635 |
| 96 | 135.3 | 3.18 | -2.26 | 2.35 | 135.272 | 2.3508 | 5 | 2.09538 | 130.7051 | 5.97102 | 0 | 5.971 | 21.655 | 2.4594 | -0.001 | 4 | 1 | 0.1772 | 2.6741 | 21.65483 |
| 97 | 87.6 | 3.3 | -1.65 | 3.77 | 87.5798 | 3.768 | 4 | 2.37384 | 129.9158 | 6.03597 | 0 | 6.036 | 13.51 | 4.0469 | -0.001 | 3 | 1 | 0.1753 | 2.9683 | 13.50964 |
| 98 | 125.1 | 3.31 | -1.82 | 2.64 | 125.078 | 2.6464 | 5 | 2.15659 | 130.8072 | 6.10138 | 0 | 6.1014 | 19.5 | 2.7821 | -0.001 | 4 | 1 | 0.1734 | 2.7427 | 19.49992 |
| 99 | 126.6 | 4.65 | -1.61 | 3.68 | 126.58 | 3.6736 | 8 | 2.26377 | 133.3235 | 6.16804 | 0 | 6.168 | 19.522 | 3.8617 | -1E-03 | 3 | 1 | 0.1716 | 2.831 | 19.52197 |
| 100 | 58.3 | 3.94 | -1.98 | 6.77 | 58.2758 | 6.761 | 3 | 2.68181 | 130.2193 | 6.23315 | 0 | 6.2332 | 8.3493 | 7.5707 | -0.003 | 3 | 1 | 0.1698 | 3.3016 | 8.34933 |
| 101 | 139 | 3.48 | -2.43 | 2.5 | 138.97 | 2.5041 | 5 | 2.10877 | 131.4305 | 6.29886 | 0 | 6.2989 | 21.063 | 2.623 | -0.001 | 4 | 1 | 0.168 | 2.7006 | 21.06275 |
| 102 | 143.5 | 4.24 | -0.92 | 2.96 | 143.489 | 2.9549 | 5 | 2.15579 | 132.9539 | 6.36534 | 0 | 6.3653 | 21.542 | 3.0921 | -5E-04 | 4 | 1 | 0.1662 | 2.7369 | 21.54219 |
| 103 | 85.2 | 5.32 | -1.52 | 6.25 | 85.1814 | 6.2455 | 9 | 2.55131 | 133.3423 | 6.43201 | 0 | 6.432 | 12.243 | 6.7556 | -0.001 | 3 | 1 | 0.1645 | 3.1425 | 12.24335 |
| 104 | 142.1 | 4.35 | -2.09 | 3.06 | 142.074 | 3.0618 | 5 | 2.17056 | 133.1172 | 6.49857 | 0 | 6.4986 | 20.862 | 3.2085 | -0.001 | 4 | 1 | 0.1628 | 2.7578 | 20.86241 |
| 105 | 175.2 | 3.15 | -1.61 | 1.8 | 175.18 | 1.7982 | 6 | 1.93397 | 131.2663 | 6.5642 | 0 | 6.5642 | 25.687 | 1.8682 | -7E-04 | 4 | 1 | 0.1612 | 2.5434 | 25.68721 |
| 106 | 135.7 | 4.6 | -1.42 | 3.39 | 135.683 | 3.3903 | 5 | 2.21774 | 133.4138 | 6.63091 | 0 | 6.6309 | 19.462 | 3.5645 | -8E-04 | 3 | 1 | 0.1596 | 2.81 | 19.46214 |
| 107 | 123.1 | 4.99 | -1.9 | 4.05 | 123.077 | 4.0544 | 9 | 2.30511 | 133.7714 | 6.6978 | 0 | 6.6978 | 17.376 | 4.2877 | -0.001 | 3 | 1 | 0.158 | 2.899 | 17.37571 |
| 108 | 134.2 | 5.28 | -3.21 | 3.93 | 134.161 | 3.9356 | 8 | 2.27215 | 134.395 | 6.76499 | 0 | 6.765 | 18.832 | 4.1446 | -0.002 | 3 | 1 | 0.1564 | 2.8627 | 18.83161 |
| 109 | 134.8 | 4.84 | -3.31 | 3.6 | 134.759 | 3.5916 | 8 | 2.23937 | 133.7692 | 6.83188 | 0 | 6.8319 | 18.725 | 3.7834 | -0.002 | 3 | 1 | 0.1549 | 2.8393 | 18.7251 |
| 110 | 103.1 | 6.04 | -2.62 | 5.86 | 103.068 | 5.8602 | 9 | 2.47919 | 134.736 | 6.89925 | 0 | 6.8993 | 13.939 | 6.2806 | -0.002 | 3 | 1 | 0.1534 | 3.0792 | 13.93901 |
| 111 | 160.2 | 6.19 | -4.08 | 3.87 | 160.15 | 3.8651 | 8 | 2.22035 | 135.9904 | 6.96724 | 0 | 6.9672 | 21.986 | 4.0409 | -0.002 | 3 | 1 | 0.1519 | 2.8042 | 21.98615 |
| 112 | 141.4 | 4.99 | -2.7 | 3.53 | 141.367 | 3.5298 | 8 | 2.22076 | 134.1093 | 7.0343 | 0 | 7.0343 | 19.097 | 3.7147 | -0.001 | 3 | 1 | 0.1504 | 2.8277 | 19.09682 |
| 113 | 86.4 | 6.29 | -3 | 7.28 | 86.3633 | 7.2832 | 9 | 2.60078 | 134.6015 | 7.1016 | 0 | 7.1016 | 11.161 | 7.9357 | -0.003 | 3 | 1 | 0.149 | 3.2187 | 11.16111 |
| 114 | 127.2 | 5.91 | -3.49 | 4.65 | 127.157 | 4.6478 | 9 | 2.344 | 135.089 | 7.16914 | 0 | 7.1691 | 16.737 | 4.9255 | -0.002 | 3 | 1 | 0.1476 | 2.9502 | 16.73675 |
| 115 | 125.9 | 6.18 | -3.79 | 4.91 | 125.854 | 4.9105 | 9 | 2.3659 | 135.3908 | 7.23684 | 0 | 7.2368 | 16.391 | 5.2101 | -0.002 | 3 | 1 | 0.1462 | 2.9729 | 16.39069 |
| 116 | 138.1 | 6.17 | -3.98 | 4.47 | 138.051 | 4.4694 | 9 | 2.30921 | 135.6046 | 7.30464 | 0 | 7.3046 | 17.899 | 4.7191 | -0.002 | 3 | 1 | 0.1449 | 2.9159 | 17.89912 |
| 117 | 84 | 5.72 | -2.84 | 6.81 | 83.9652 | 6.8123 | 9 | 2.58501 | 133.8377 | 7.37156 | 0 | 7.3716 | 10.39 | 7.468 | -0.003 | 3 | 1 | 0.1435 | 3.225 | 10.39043 |
| 118 | 163.7 | 5.12 | -2.94 | 3.13 | 163.664 | 3.1284 | 8 | 2.1406 | 134.6547 | 7.43889 | 0 | 7.4389 | 21.001 | 3.2773 | -0.001 | 4 | 1 | 0.1422 | 2.7613 | 21.00115 |
| 119 | 97.9 | 4.97 | -2.09 | 5.08 | 97.8744 | 5.0779 | 9 | 2.44333 | 133.1832 | 7.50548 | 0 | 7.5055 | 12.04 | 5.4997 | -0.002 | 3 | 1 | 0.141 | 3.0906 | 12.0404 |
| 120 | 123.7 | 6.1 | -1.99 | 4.93 | 123.676 | 4.9323 | 9 | 2.37193 | 135.2529 | 7.5731 | 0 | 7.5731 | 15.331 | 5.254 | -0.001 | 3 | 1 | 0.1397 | 2.9974 | 15.33091 |
| 121 | 102.6 | 6.75 | -2.09 | 6.58 | 102.574 | 6.5806 | 9 | 2.52097 | 135.5375 | 7.64087 | 0 | 7.6409 | 12.424 | 7.1102 | -0.002 | 3 | 1 | 0.1385 | 3.1523 | 12.42444 |
| 122 | 123.7 | 6.36 | -2.09 | 5.15 | 123.674 | 5.1425 | 9 | 2.38658 | 135.5582 | 7.70865 | 0 | 7.7087 | 15.044 | 5.4844 | -0.001 | 3 | 1 | 0.1373 | 3.0157 | 15.04359 |
| 123 | 171.8 | 5.64 | -2.16 | 3.29 | 171.774 | 3.2834 | 8 | 2.14507 | 135.4804 | 7.77639 | 0 | 7.7764 | 21.089 | 3.4391 | -1E-03 | 4 | 1 | 0.1361 | 2.7731 | 21.08911 |
| 124 | 175.1 | 5.98 | 3.24 | 3.41 | 175.14 | 3.4144 | 8 | 2.15395 | 135.9561 | 7.84437 | 0 | 7.8444 | 21.327 | 3.5745 | 0.0014 | 4 | 1 | 0.1349 | 2.78 | 21.3268 |
| 125 | 206.8 | 5.54 | 1.38 | 2.68 | 206.817 | 2.6787 | 5 | 2.02622 | 135.8023 | 7.91227 | 0 | 7.9123 | 25.139 | 2.7853 | 0.0005 | 4 | 1 | 0.1337 | 2.6562 | 25.13875 |
| 126 | 184.9 | 5.89 | 0.57 | 3.19 | 184.907 | 3.1854 | 8 | 2.11571 | 135.9775 | 7.98026 | 0 | 7.9803 | 22.171 | 3.3291 | 0.0002 | 4 | 1 | 0.1326 | 2.7474 | 22.17055 |
| 127 | 129.2 | 7.01 | 0.21 | 5.43 | 129.203 | 5.4256 | 9 | 2.39442 | 136.3769 | 8.04845 | 0 | 8.0485 | 15.053 | 5.786 | 0.0001 | 3 | 1 | 0.1315 | 3.0306 | 15.0531 |
| 128 | 231.5 | 3.87 | 0.09 | 1.67 | 231.501 | 1.6717 | 6 | 1.83291 | 133.4524 | 8.11517 | 0 | 8.1152 | 27.527 | 1.7324 | 3E-05 | 5 | 1 | 0.1304 | 2.4999 | 27.52694 |
| 129 | 152.7 | 6.21 | -0.28 | 4.07 | 152.697 | 4.0669 | 8 | 2.25036 | 135.8978 | 8.18312 | 0 | 8.1831 | 17.66 | 4.2972 | -1E-04 | 3 | 1 | 0.1293 | 2.8941 | 17.65994 |
| 130 | 160 | 5.79 | -0.66 | 3.62 | 159.992 | 3.6189 | 8 | 2.1974 | 135.4992 | 8.25087 | 0 | 8.2509 | 18.391 | 3.8157 | -3E-04 | 3 | 1 | 0.1282 | 2.8477 | 18.39091 |
| 131 | 173.6 | 6.95 | -0.82 | 4.01 | 173.59 | 4.0037 | 8 | 2.21278 | 137.0343 | 8.31939 | 0 | 8.3194 | 19.866 | 4.2052 | -4E-04 | 3 | 1 | 0.1272 | 2.849 | 19.86571 |
| 132 | 181.4 | 6.24 | -1.33 | 3.44 | 181.384 | 3.4402 | 8 | 2.14782 | 136.3529 | 8.38757 | 0 | 8.3876 | 20.625 | 3.607 | -6E-04 | 4 | 1 | 0.1262 | 2.7937 | 20.62531 |
| 133 | 187.3 | 5.95 | -1.8 | 3.17 | 187.278 | 3.1771 | 8 | 2.11158 | 136.0827 | 8.45561 | 0 | 8.4556 | 21.148 | 3.3273 | -7E-04 | 4 | 1 | 0.1251 | 2.7631 | 21.14838 |
| 134 | 198.8 | 6.45 | -2.03 | 3.25 | 198.775 | 3.2449 | 8 | 2.10425 | 136.8184 | 8.52402 | 0 | 8.524 | 22.319 | 3.3903 | -8E-04 | 4 | 1 | 0.1241 | 2.7502 | 22.31942 |
| 135 | 126.3 | 8.31 | -2.52 | 6.58 | 126.269 | 6.5812 | 9 | 2.46896 | 137.28 | 8.59266 | 0 | 8.5927 | 13.695 | 7.0617 | -0.002 | 3 | 1 | 0.1231 | 3.1186 | 13.69501 |
| 136 | 190.4 | 8.08 | -3.12 | 4.25 | 190.362 | 4.2446 | 8 | 2.21147 | 137.28 | 8.6613 | 0 | 8.6613 | 20.978 | 4.4469 | -0.001 | 3 | 1 | 0.1222 | 2.8468 | 20.97844 |
| 137 | 191.2 | 6.56 | -1.9 | 3.43 | 191.177 | 3.4314 | 8 | 2.13384 | 136.8471 | 8.72972 | 0 | 8.7297 | 20.9 | 3.5956 | -8E-04 | 4 | 1 | 0.1212 | 2.7884 | 20.89953 |
| 138 | 123.6 | 7.93 | -2.18 | 6.41 | 123.573 | 6.4172 | 9 | 2.46525 | 137.1706 | 8.79831 | 0 | 8.7983 | 13.045 | 6.9092 | -0.001 | 3 | 1 | 0.1203 | 3.1281 | 13.04513 |
| 139 | 170.9 | 5.82 | -2.56 | 3.41 | 170.869 | 3.4061 | 8 | 2.15933 | 135.6974 | 8.86615 | 0 | 8.8662 | 18.272 | 3.5925 | -0.001 | 3 | 1 | 0.1193 | 2.8334 | 18.27202 |
| 140 | 210.5 | 5.97 | -3.03 | 2.84 | 210.463 | 2.8366 | 8 | 2.04214 | 136.3919 | 8.93435 | 0 | 8.9344 | 22.557 | 2.9624 | -0.001 | 4 | 1 | 0.1184 | 2.7096 | 22.5566 |
| 141 | 136.8 | 9.82 | -2.81 | 7.18 | 136.766 | 7.1802 | 9 | 2.48113 | 137.28 | 9.00299 | 0 | 9.003 | 14.191 | 7.6861 | -0.002 | 3 | 1 | 0.1175 | 3.1316 | 14.19113 |
| 142 | 208.8 | 8.46 | -2.83 | 4.05 | 208.765 | 4.0524 | 8 | 2.17275 | 137.28 | 9.07163 | 0 | 9.0716 | 22.013 | 4.2365 | -0.001 | 3 | 1 | 0.1166 | 2.8173 | 22.01299 |
| 143 | 212.9 | 5.48 | -2.57 | 2.58 | 212.869 | 2.5744 | 5 | 2.0049 | 135.793 | 9.13953 | 0 | 9.1395 | 22.291 | 2.6899 | -9E-04 | 4 | 1 | 0.1158 | 2.6877 | 22.29098 |
| 144 | 179.3 | 8.65 | -2.25 | 4.83 | 179.272 | 4.8251 | 9 | 2.27232 | 137.28 | 9.20817 | 0 | 9.2082 | 18.469 | 5.0863 | -1E-03 | 3 | 1 | 0.1149 | 2.9269 | 18.46885 |
| 145 | 228 | 7 | -2.44 | 3.07 | 227.97 | 3.0706 | 8 | 2.05099 | 137.28 | 9.27681 | 0 | 9.2768 | 23.574 | 3.2008 | -8E-04 | 4 | 1 | 0.1141 | 2.7159 | 23.5742 |
| 146 | 303.5 | 5.46 | -2.35 | 1.8 | 303.471 | 1.7992 | 6 | 1.78909 | 136.6312 | 9.34512 | 0 | 9.3451 | 31.474 | 1.8564 | -6E-04 | 5 | 1 | 0.1132 | 2.4709 | 31.47376 |
| 147 | 348.9 | 5.72 | -1.78 | 1.64 | 348.878 | 1.6395 | 6 | 1.72176 | 137.28 | 9.41376 | 0 | 9.4138 | 36.06 | 1.685 | -4E-04 | 5 | 1 | 0.1124 | 2.3984 | 36.06044 |
| 148 | 542.6 | 0 | -1.21 | 0 | 542.585 | 0 | 0 | 0 | 769.6 | 9.79856 | 0 | 9.7986 | 54.374 | 0 | -2E-04 | 0 | 1 | 0.108 | 0 | 0 |

| | CPT-13 | In situ data | | | Basic output data | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth (ft) | qc (tsf) | fs (tsf) | u (psi) | Other | qt (tsf) | Rf(%) | SBT | Ic SBT | ã (pcf) | ó,v (tsf) | u0 (tsf) | ó',vo (tsf) | Qt1 | Fr (%) | Bq | SBTn | n | Cn | Ic | Qtn |
| 1 | 65.9 | 2.28 | 0.35 | 3.47 | 65.9043 | 3.4596 | 4 | 2.42937 | 126.5169 | 0.06326 | 0 | 0.0633 | 1040.8 | 3.4629 | 0.0004 | 8 | 0.7038 | 2 | 2.233 | 124.4505 |
| 2 | 53.3 | 1.41 | 0.43 | 2.65 | 53.3053 | 2.6451 | 5 | 2.41301 | 122.4829 | 0.1245 | 0 | 0.1245 | 427.16 | 2.6513 | 0.0006 | 5 | 0.6954 | 2 | 2.2035 | 100.5205 |
| 3 | 40.2 | 0.77 | 0.29 | 1.93 | 40.2036 | 1.9153 | 5 | 2.4145 | 117.3685 | 0.18318 | 0 | 0.1832 | 218.47 | 1.924 | 0.0005 | 5 | 0.6929 | 2 | 2.1897 | 75.64514 |
| 4 | 34.8 | 0.59 | 0.29 | 1.7 | 34.8036 | 1.6952 | 5 | 2.43189 | 115.0684 | 0.24072 | 0 | 0.2407 | 143.58 | 1.707 | 0.0006 | 5 | 0.7002 | 2 | 2.2017 | 65.3295 |
| 5 | 42.6 | 0.65 | 0.19 | 1.53 | 42.6023 | 1.5257 | 5 | 2.33417 | 116.2702 | 0.29885 | 0 | 0.2989 | 141.55 | 1.5365 | 0.0003 | 5 | 0.6664 | 2 | 2.1058 | 79.96059 |
| 6 | 53.1 | 0.67 | 0.19 | 1.27 | 53.1023 | 1.2617 | 5 | 2.20812 | 117.0293 | 0.35737 | 0 | 0.3574 | 147.59 | 1.2703 | 0.0003 | 6 | 0.6233 | 1.9672 | 1.9846 | 98.06193 |
| 7 | 10.2 | 0.17 | 0.19 | 1.69 | 10.2023 | 1.6663 | 4 | 2.87367 | 102.9708 | 0.40885 | 0 | 0.4089 | 23.954 | 1.7359 | 0.0014 | 4 | 0.876 | 2 | 2.6423 | 18.51129 |
| 8 | 13.1 | 0.18 | 0.19 | 1.39 | 13.1023 | 1.3738 | 4 | 2.73769 | 103.9992 | 0.46085 | 0 | 0.4609 | 27.431 | 1.4239 | 0.0011 | 5 | 0.8262 | 1.9871 | 2.5047 | 23.74051 |
| 9 | 57.5 | 0.67 | 0.19 | 1.17 | 57.5023 | 1.1652 | 5 | 2.15974 | 117.2235 | 0.51946 | 0 | 0.5195 | 109.7 | 1.1758 | 0.0002 | 6 | 0.6401 | 1.5767 | 2.0099 | 84.91311 |
| 10 | 61 | 0.49 | 0.19 | 0.8 | 61.0023 | 0.8033 | 6 | 2.04612 | 115.0783 | 0.577 | 0 | 0.577 | 104.72 | 0.8109 | 0.0002 | 6 | 0.6086 | 1.4463 | 1.92 | 82.59579 |
| 11 | 82.3 | 0.49 | 0.35 | 0.59 | 82.3043 | 0.5954 | 6 | 1.86632 | 115.8088 | 0.63491 | 0 | 0.6349 | 128.63 | 0.6 | 0.0003 | 6 | 0.5536 | 1.3268 | 1.7683 | 102.4051 |
| 12 | 61.1 | 0.43 | 0.31 | 0.71 | 61.1038 | 0.7037 | 6 | 2.01449 | 114.1266 | 0.69197 | 0 | 0.692 | 87.304 | 0.7118 | 0.0004 | 6 | 0.6164 | 1.2992 | 1.9259 | 74.17854 |
| 13 | 36.9 | 0.35 | 0.29 | 0.94 | 36.9036 | 0.9484 | 5 | 2.2689 | 111.3905 | 0.74767 | 0 | 0.7477 | 48.358 | 0.968 | 0.0006 | 5 | 0.7196 | 1.2839 | 2.1898 | 43.87129 |
| 14 | 60.1 | 0.31 | 0.38 | 0.51 | 60.1047 | 0.5158 | 6 | 1.95265 | 111.6922 | 0.80351 | 0 | 0.8035 | 73.802 | 0.5228 | 0.0005 | 6 | 0.6106 | 1.183 | 1.8968 | 66.30185 |
| 15 | 24.8 | 0.58 | 0.19 | 2.33 | 24.8023 | 2.3385 | 4 | 2.63342 | 114.1171 | 0.86057 | 0 | 0.8606 | 27.821 | 2.4226 | 0.0006 | 4 | 0.8785 | 1.1991 | 2.5925 | 27.13099 |
| 16 | 32.8 | 0.49 | 0.19 | 1.5 | 32.8023 | 1.4938 | 5 | 2.42054 | 113.5651 | 0.91735 | 0 | 0.9174 | 34.758 | 1.5368 | 0.0004 | 5 | 0.8067 | 1.122 | 2.397 | 33.81156 |
| 17 | 67.1 | 0.53 | 0.29 | 0.79 | 67.1036 | 0.7898 | 6 | 2.00758 | 115.885 | 0.9753 | 0 | 0.9753 | 67.803 | 0.8015 | 0.0003 | 6 | 0.657 | 1.055 | 1.9971 | 65.93437 |
| 18 | 84.9 | 0.73 | 0.29 | 0.86 | 84.9036 | 0.8598 | 6 | 1.94519 | 118.8015 | 1.0347 | 0 | 1.0347 | 81.056 | 0.8704 | 0.0003 | 6 | 0.6409 | 1.0144 | 1.9476 | 80.40787 |
| 19 | 73.1 | 0.83 | 0.37 | 1.14 | 73.1045 | 1.1354 | 5 | 2.06997 | 119.3759 | 1.09439 | 0 | 1.0944 | 65.8 | 1.1526 | 0.0004 | 5 | 0.697 | 0.9768 | 2.0872 | 66.47529 |
| 20 | 86.7 | 0.89 | 0.38 | 1.03 | 86.7047 | 1.0265 | 6 | 1.98466 | 120.3027 | 1.15454 | 0 | 1.1545 | 74.099 | 1.0403 | 0.0003 | 6 | 0.6715 | 0.9431 | 2.0128 | 76.25285 |
| 21 | 99.4 | 1.02 | 0.48 | 1.02 | 99.4059 | 1.0261 | 6 | 1.93835 | 121.6337 | 1.21535 | 0 | 1.2154 | 80.792 | 1.0388 | 0.0004 | 6 | 0.6607 | 0.9125 | 1.9767 | 84.68089 |
| 22 | 96.2 | 0.86 | 0.55 | 0.89 | 96.2067 | 0.8939 | 6 | 1.91207 | 120.3055 | 1.27551 | 0 | 1.2755 | 74.426 | 0.9059 | 0.0004 | 6 | 0.6583 | 0.8843 | 1.9627 | 79.33403 |
| 23 | 110.1 | 0.95 | 0.57 | 0.86 | 110.107 | 0.8628 | 6 | 1.85648 | 121.3629 | 1.33619 | 0 | 1.3362 | 81.404 | 0.8734 | 0.0004 | 6 | 0.6429 | 0.8607 | 1.9153 | 88.47768 |
| 24 | 94 | 1.11 | 0.19 | 1.19 | 94.0023 | 1.1808 | 6 | 1.99609 | 122.1161 | 1.39725 | 0 | 1.3973 | 66.277 | 1.1986 | 0.0002 | 5 | 0.705 | 0.822 | 2.0709 | 71.9411 |
| 25 | 95.3 | 0.67 | 0.19 | 0.71 | 95.3023 | 0.703 | 6 | 1.85336 | 118.4557 | 1.45647 | 0 | 1.4565 | 64.434 | 0.7139 | 0.0002 | 6 | 0.6572 | 0.8106 | 1.9379 | 71.89252 |
| 26 | 124.5 | 1.05 | 0.35 | 0.85 | 124.504 | 0.8433 | 6 | 1.80873 | 122.3949 | 1.51767 | 0 | 1.5177 | 81.036 | 0.8538 | 0.0002 | 6 | 0.6439 | 0.7928 | 1.8953 | 92.14418 |
| 27 | 120 | 0.9 | 0.19 | 0.75 | 120.002 | 0.75 | 6 | 1.78951 | 121.1772 | 1.57826 | 0 | 1.5783 | 75.035 | 0.76 | 0.0001 | 6 | 0.6436 | 0.7731 | 1.8872 | 86.52509 |
| 28 | 140 | 1.19 | 0.29 | 0.85 | 140.004 | 0.85 | 6 | 1.77181 | 123.5969 | 1.64006 | 0 | 1.6401 | 84.365 | 0.8601 | 0.0002 | 6 | 0.6414 | 0.755 | 1.8736 | 98.72232 |
| 29 | 162.1 | 1.46 | 0.38 | 0.9 | 162.105 | 0.9007 | 6 | 1.74073 | 125.4506 | 1.70278 | 0 | 1.7028 | 94.2 | 0.9102 | 0.0002 | 6 | 0.6339 | 0.7397 | 1.846 | 112.1259 |
| 30 | 151.4 | 1.14 | 0.29 | 0.75 | 151.404 | 0.753 | 6 | 1.71188 | 123.4737 | 1.76452 | 0 | 1.7645 | 84.804 | 0.7618 | 0.0001 | 6 | 0.6302 | 0.7245 | 1.8287 | 102.4579 |
| 31 | 53.1 | 0.92 | 0.1 | 1.74 | 53.1012 | 1.7325 | 5 | 2.29317 | 119.3494 | 1.82419 | 0 | 1.8242 | 28.109 | 1.7942 | 0.0001 | 5 | 0.8812 | 0.6188 | 2.4788 | 29.98815 |
| 32 | 51.3 | 1.41 | 0.19 | 2.76 | 51.3023 | 2.7484 | 5 | 2.43652 | 122.3895 | 1.88539 | 0 | 1.8854 | 26.21 | 2.8533 | 0.0003 | 4 | 0.9444 | 0.5795 | 2.6379 | 27.06571 |
| 33 | 53.2 | 1.48 | 0.19 | 2.79 | 53.2023 | 2.7818 | 5 | 2.42857 | 122.8328 | 1.94681 | 0 | 1.9468 | 26.328 | 2.8875 | 0.0003 | 4 | 0.9481 | 0.561 | 2.6398 | 27.17501 |
| 34 | 108.3 | 0.91 | -0.04 | 0.84 | 108.3 | 0.8403 | 6 | 1.85499 | 121.0078 | 2.00731 | 0 | 2.0073 | 52.953 | 0.8561 | -3E-05 | 6 | 0.7173 | 0.6317 | 2.0271 | 63.4589 |
| 35 | 80.8 | 1.5 | -0.06 | 1.86 | 80.7993 | 1.8565 | 5 | 2.17604 | 123.9501 | 2.06928 | 0 | 2.0693 | 38.047 | 1.9053 | -5E-05 | 5 | 0.8545 | 0.5638 | 2.3796 | 41.94763 |
| 36 | 147.8 | 0.97 | 0 | 0.65 | 147.8 | 0.6563 | 6 | 1.6825 | 122.2334 | 2.1304 | 0 | 2.1304 | 68.377 | 0.6659 | 0 | 6 | 0.6568 | 0.6315 | 1.8526 | 86.94131 |
| 37 | 101.9 | 1.13 | -0.19 | 1.11 | 101.898 | 1.109 | 6 | 1.95174 | 122.4435 | 2.19162 | 0 | 2.1916 | 45.494 | 1.1333 | -1E-04 | 5 | 0.7758 | 0.5684 | 2.1577 | 53.56075 |
| 38 | 86.2 | 1.05 | -0.1 | 1.22 | 86.1988 | 1.2181 | 6 | 2.03357 | 121.4981 | 2.25237 | 0 | 2.2524 | 37.27 | 1.2508 | -9E-05 | 5 | 0.8185 | 0.5388 | 2.2621 | 42.74864 |
| 39 | 31.8 | 1.39 | -0.26 | 4.37 | 31.7968 | 4.3715 | 4 | 2.72591 | 121.1183 | 2.31293 | 0 | 2.3129 | 12.747 | 4.7144 | -6E-04 | 3 | 1 | 0.4575 | 3.0292 | 12.74741 |
| 40 | 39.9 | 1.45 | -0.19 | 3.65 | 39.8977 | 3.6343 | 4 | 2.59914 | 121.981 | 2.37392 | 0 | 2.3739 | 15.807 | 3.8642 | -4E-04 | 3 | 1 | 0.4457 | 2.9024 | 15.80665 |
| 41 | 58.7 | 1.27 | -0.19 | 2.17 | 58.6977 | 2.1636 | 5 | 2.32322 | 121.9528 | 2.4349 | 0 | 2.4349 | 23.107 | 2.2573 | -2E-04 | 4 | 0.9631 | 0.4481 | 2.6185 | 23.82843 |
| 42 | 51.5 | 0.94 | -0.46 | 1.82 | 51.4944 | 1.8254 | 5 | 2.31791 | 119.4319 | 2.49461 | 0 | 2.4946 | 19.642 | 1.9184 | -7E-04 | 4 | 0.9729 | 0.4341 | 2.6369 | 20.10436 |
| 43 | 28.6 | 1.73 | -0.28 | 6.04 | 28.5966 | 6.0497 | 3 | 2.85679 | 122.4606 | 2.55584 | 0 | 2.5558 | 10.189 | 6.6434 | -8E-04 | 3 | 1 | 0.414 | 3.1988 | 10.1887 |
| 44 | 39 | 1.83 | -0.46 | 4.68 | 38.9944 | 4.693 | 4 | 2.68347 | 123.6282 | 2.61766 | 0 | 2.6177 | 13.897 | 5.0307 | -9E-04 | 3 | 1 | 0.4042 | 3.018 | 13.89666 |
| 45 | 63.7 | 1.43 | -0.48 | 2.25 | 63.6941 | 2.2451 | 5 | 2.30789 | 123.0203 | 2.67917 | 0 | 2.6792 | 22.774 | 2.3437 | -6E-04 | 4 | 0.982 | 0.4016 | 2.6382 | 23.15797 |
| 46 | 61.6 | 1.49 | -0.48 | 2.42 | 61.5941 | 2.4191 | 5 | 2.34066 | 123.2393 | 2.74079 | 0 | 2.7408 | 21.473 | 2.5317 | -6E-04 | 4 | 1 | 0.3861 | 2.6846 | 21.47314 |
| 47 | 84.5 | 0.95 | -0.38 | 1.12 | 84.4954 | 1.1243 | 6 | 2.01813 | 120.7171 | 2.80115 | 0 | 2.8012 | 29.165 | 1.1629 | -3E-04 | 5 | 0.873 | 0.4275 | 2.3368 | 33.00416 |
| 48 | 92.7 | 0.69 | -0.28 | 0.74 | 92.6966 | 0.7444 | 6 | 1.87754 | 118.6033 | 2.86045 | 0 | 2.8605 | 31.406 | 0.7681 | -2E-04 | 5 | 0.8218 | 0.4416 | 2.1947 | 37.49581 |
| 49 | 88.3 | 1.07 | -0.1 | 1.22 | 88.2988 | 1.2118 | 6 | 2.02411 | 121.6949 | 2.9213 | 0 | 2.9213 | 29.226 | 1.2533 | -8E-05 | 5 | 0.8864 | 0.4065 | 2.3571 | 32.80132 |
| 50 | 80 | 1.1 | -0.1 | 1.37 | 79.9988 | 1.375 | 5 | 2.0923 | 121.6565 | 2.98212 | 0 | 2.9821 | 25.826 | 1.4283 | -9E-05 | 5 | 0.9245 | 0.3837 | 2.4467 | 27.92893 |
| 51 | 77.9 | 0.51 | -0.02 | 0.66 | 77.8998 | 0.6547 | 6 | 1.90865 | 115.9674 | 3.04011 | 0 | 3.0401 | 24.624 | 0.6813 | -2E-05 | 5 | 0.8602 | 0.4034 | 2.2733 | 28.5378 |
| 52 | 75.1 | 0.97 | -0.1 | 1.29 | 75.0988 | 1.2916 | 5 | 2.09589 | 120.582 | 3.1004 | 0 | 3.1004 | 23.222 | 1.3473 | -1E-04 | 5 | 0.9412 | 0.3635 | 2.4766 | 24.73686 |
| 53 | 107.5 | 1.24 | 0.1 | 1.15 | 107.501 | 1.1535 | 6 | 1.94532 | 123.2537 | 3.16203 | 0 | 3.162 | 32.998 | 1.1884 | 7E-05 | 5 | 0.8731 | 0.3845 | 2.292 | 37.9174 |
| 54 | 110.9 | 1.22 | 0.1 | 1.1 | 110.901 | 1.1001 | 6 | 1.92159 | 123.2107 | 3.22363 | 0 | 3.2236 | 33.403 | 1.133 | 7E-05 | 5 | 0.8689 | 0.3798 | 2.2735 | 38.65452 |
| 55 | 81.5 | 2.01 | 0.19 | 2.46 | 81.5023 | 2.4662 | 5 | 2.25957 | 126.1127 | 3.28669 | 0 | 3.2867 | 23.798 | 2.5698 | 0.0002 | 4 | 1 | 0.3219 | 2.6531 | 23.79771 |
| 56 | 90.3 | 1.5 | 0.29 | 1.66 | 90.3036 | 1.6611 | 5 | 2.10777 | 124.2214 | 3.3488 | 0 | 3.3488 | 25.966 | 1.725 | 0.0002 | 5 | 0.9632 | 0.3296 | 2.5045 | 27.08998 |
| 57 | 74.2 | 1.43 | 0.15 | 1.93 | 74.2018 | 1.9272 | 5 | 2.21417 | 123.3927 | 3.41049 | 0 | 3.4105 | 20.757 | 2.02 | 0.0002 | 4 | 1 | 0.3103 | 2.6385 | 20.75691 |
| 58 | 74.1 | 1.88 | 0.29 | 2.54 | 74.1036 | 2.537 | 5 | 2.2974 | 125.3914 | 3.47319 | 0 | 3.4732 | 20.336 | 2.6617 | 0.0003 | 4 | 1 | 0.3047 | 2.7166 | 20.33587 |
| 59 | 97.3 | 1.51 | 0.29 | 1.56 | 97.3036 | 1.5518 | 5 | 2.06391 | 124.4521 | 3.53542 | 0 | 3.5354 | 26.523 | 1.6104 | 0.0002 | 5 | 0.9623 | 0.3132 | 2.4786 | 27.7579 |
| 60 | 140.9 | 1.24 | 0.26 | 0.88 | 140.903 | 0.88 | 6 | 1.77953 | 123.9137 | 3.59737 | 0 | 3.5974 | 38.168 | 0.9031 | 0.0001 | 5 | 0.841 | 0.3573 | 2.1531 | 46.36716 |
| 61 | 121.7 | 1.22 | 0.19 | 1 | 121.702 | 1.0025 | 6 | 1.86465 | 123.4374 | 3.65909 | 0 | 3.6591 | 32.26 | 1.0335 | 0.0001 | 5 | 0.8867 | 0.3328 | 2.266 | 37.12808 |
| 62 | 111.8 | 1.22 | 0.19 | 1.09 | 111.802 | 1.0912 | 6 | 1.91663 | 123.2305 | 3.72071 | 0 | 3.7207 | 29.049 | 1.1288 | 0.0001 | 5 | 0.9171 | 0.3157 | 2.3382 | 32.24217 |
| 63 | 120.1 | 1.09 | 0.29 | 0.91 | 120.104 | 0.9076 | 6 | 1.84107 | 122.5807 | 3.782 | 0 | 3.782 | 30.757 | 0.9371 | 0.0002 | 5 | 0.8908 | 0.3216 | 2.2612 | 35.349 |
| 64 | 110.1 | 1.7 | 0.42 | 1.54 | 110.105 | 1.544 | 5 | 2.02353 | 125.6208 | 3.84481 | 0 | 3.8448 | 27.637 | 1.5998 | 0.0003 | 5 | 0.9718 | 0.2854 | 2.4656 | 28.66187 |
| 65 | 89.8 | 1.44 | 0.29 | 1.6 | 89.8036 | 1.6035 | 5 | 2.0991 | 123.9091 | 3.90676 | 0 | 3.9068 | 21.987 | 1.6764 | 0.0002 | 4 | 1 | 0.2708 | 2.5718 | 21.98669 |
| 66 | 100.3 | 2.28 | 0.52 | 2.28 | 100.306 | 2.273 | 5 | 2.17148 | 127.5413 | 3.97053 | 0 | 3.9705 | 24.263 | 2.3667 | 0.0004 | 4 | 1 | 0.2665 | 2.6247 | 24.26269 |
| 67 | 100 | 2.2 | 0.35 | 2.2 | 100.004 | 2.1999 | 5 | 2.1621 | 127.2726 | 4.03417 | 0 | 4.0342 | 23.789 | 2.2924 | 0.0003 | 4 | 1 | 0.2623 | 2.6231 | 23.78931 |
| 68 | 75.7 | 3.57 | 0.55 | 4.71 | 75.7067 | 4.7156 | 4 | 2.48897 | 130.1359 | 4.09924 | 0 | 4.0992 | 17.468 | 4.9855 | 0.0006 | 3 | 1 | 0.2581 | 2.9395 | 17.46849 |
| 69 | 68.9 | 4.21 | 0.92 | 6.11 | 68.9113 | 6.1093 | 9 | 2.60137 | 131.1131 | 4.16479 | 0 | 4.1648 | 15.546 | 6.5023 | 0.001 | 3 | 1 | 0.2541 | 3.0536 | 15.54614 |
| 70 | 86.1 | 3.89 | 0.55 | 4.51 | 86.1067 | 4.5177 | 9 | 2.43871 | 131.078 | 4.23033 | 0 | 4.2303 | 19.355 | 4.7511 | 0.0005 | 3 | 1 | 0.2501 | 2.8921 | 19.3546 |
| 71 | 133 | 5.51 | 0.67 | 4.15 | 133.008 | 4.1426 | 9 | 2.29222 | 134.686 | 4.29768 | 0 | 4.2977 | 29.949 | 4.2809 | 0.0004 | 4 | 1 | 0.2462 | 2.7208 | 29.94887 |
| 72 | 156.6 | 7.03 | 1.06 | 4.49 | 156.613 | 4.4888 | 9 | 2.27905 | 136.867 | 4.36611 | 0 | 4.3661 | 34.87 | 4.6175 | 0.0005 | 4 | 1 | 0.2424 | 2.6956 | 34.87014 |
| 73 | 134.6 | 8.15 | 1.33 | 6.05 | 134.616 | 6.0543 | 9 | 2.42336 | 137.28 | 4.43475 | 0 | 4.4348 | 29.355 | 6.2605 | 0.0007 | 3 | 1 | 0.2386 | 2.8418 | 29.35488 |
| 74 | 131.9 | 5.9 | 1.43 | 4.47 | 131.918 | 4.4725 | 9 | 2.32109 | 135.1663 | 4.50233 | 0 | 4.5023 | 28.3 | 4.6305 | 0.0008 | 3 | 1 | 0.235 | 2.762 | 28.29981 |
| 75 | 115.2 | 6 | 1.24 | 5.21 | 115.215 | 5.2077 | 9 | 2.40918 | 134.9591 | 4.56981 | 0 | 4.5698 | 24.212 | 5.4227 | 0.0008 | 3 | 1 | 0.2315 | 2.8584 | 24.21223 |
| 76 | 117.3 | 5.77 | 1.23 | 4.92 | 117.315 | 4.9184 | 9 | 2.38457 | 134.7171 | 4.63717 | 0 | 4.6372 | 24.299 | 5.1208 | 0.0008 | 3 | 1 | 0.2282 | 2.8403 | 24.29884 |
| 77 | 76.1 | 5.88 | 1.47 | 7.73 | 76.118 | 7.7249 | 9 | 2.65426 | 133.8003 | 4.70407 | 0 | 4.7041 | 15.181 | 8.2337 | 0.0015 | 3 | 1 | 0.2249 | 3.1303 | 15.1813 |
| 78 | 91.7 | 6.09 | 1.33 | 6.64 | 91.7163 | 6.64 | 9 | 2.55299 | 134.5117 | 4.77133 | 0 | 4.7713 | 18.222 | 7.0044 | 0.0011 | 3 | 1 | 0.2218 | 3.0244 | 18.22238 |
| 79 | 110.3 | 5.47 | 1.22 | 4.96 | 110.315 | 4.9585 | 9 | 2.40345 | 134.1764 | 4.83842 | 0 | 4.8384 | 21.8 | 5.186 | 0.0008 | 3 | 1 | 0.2187 | 2.8787 | 21.79981 |
| 80 | 100.1 | 5.87 | 1.04 | 5.87 | 100.113 | 5.8634 | 9 | 2.48694 | 134.4561 | 4.90564 | 0 | 4.9056 | 19.408 | 6.1655 | 0.0008 | 3 | 1 | 0.2157 | 2.9667 | 19.40767 |
| 81 | 126.7 | 5.52 | 1.14 | 4.36 | 126.714 | 4.3563 | 9 | 2.32232 | 134.581 | 4.97293 | 0 | 4.9729 | 24.481 | 4.5342 | 0.0007 | 3 | 1 | 0.2128 | 2.8022 | 24.48073 |
| 82 | 139.6 | 5.09 | 1.14 | 3.65 | 139.614 | 3.6458 | 8 | 2.23522 | 134.2241 | 5.04005 | 0 | 5.0401 | 26.701 | 3.7823 | 0.0006 | 4 | 1 | 0.2099 | 2.7217 | 26.70093 |
| 83 | 247.5 | 3.25 | 1.24 | 1.31 | 247.515 | 1.3131 | 6 | 1.73293 | 132.338 | 5.10621 | 0 | 5.1062 | 47.473 | 1.3407 | 0.0004 | 5 | 0.9324 | 0.2305 | 2.2065 | 52.79963 |
| 84 | 102.3 | 4.18 | 1.1 | 4.09 | 102.313 | 4.0855 | 9 | 2.35743 | 132.0247 | 5.17223 | 0 | 5.1722 | 18.781 | 4.303 | 0.0008 | 3 | 1 | 0.2046 | 2.874 | 18.78132 |
| 85 | 142.4 | 3.97 | 1.3 | 2.79 | 142.416 | 2.7876 | 5 | 2.13804 | 132.4542 | 5.23845 | 0 | 5.2385 | 26.187 | 2.8941 | 0.0007 | 4 | 1 | 0.202 | 2.6529 | 26.18663 |
| 86 | 214.6 | 2.47 | 1.33 | 1.15 | 214.616 | 1.1509 | 6 | 1.73012 | 129.9821 | 5.30345 | 0 | 5.3035 | 39.467 | 1.1801 | 0.0005 | 5 | 0.9607 | 0.2126 | 2.2534 | 42.04949 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 87 | 152.6 | 3.4 | 1.33 | 2.23 | 152.616 | 2.2278 | 5 | 2.04372 | 131.4888 | 5.36919 | 0 | 5.3692 | 27.424 | 2.309 | 0.0007 | 4 | 1 | 0.1971 | 2.576 | 27.42445 |
| 88 | 76.8 | 3.88 | 1.31 | 5.05 | 76.816 | 5.051 | 9 | 2.50769 | 130.7807 | 5.43458 | 0 | 5.4346 | 13.135 | 5.4356 | 0.0013 | 3 | 1 | 0.1947 | 3.0583 | 13.13468 |
| 89 | 149.6 | 3.03 | 1.47 | 2.02 | 149.618 | 2.0252 | 5 | 2.01774 | 130.5974 | 5.49988 | 0 | 5.4999 | 26.204 | 2.1024 | 0.0007 | 4 | 1 | 0.1924 | 2.5669 | 26.20387 |
| 90 | 84.8 | 3.43 | 1.05 | 4.05 | 84.8129 | 4.0442 | 4 | 2.40622 | 130.1202 | 5.56494 | 0 | 5.5649 | 14.241 | 4.3282 | 0.001 | 3 | 1 | 0.1901 | 2.9685 | 14.24057 |
| 91 | 107.3 | 4.49 | 1.05 | 4.19 | 107.313 | 4.184 | 9 | 2.35253 | 132.6645 | 5.63127 | 0 | 5.6313 | 18.057 | 4.4158 | 0.0007 | 3 | 1 | 0.1879 | 2.8943 | 18.0566 |
| 92 | 134.8 | 4.16 | 1.05 | 3.09 | 134.813 | 3.0858 | 5 | 2.18737 | 132.6624 | 5.6976 | 0 | 5.6976 | 22.661 | 3.2219 | 0.0006 | 4 | 1 | 0.1857 | 2.731 | 22.66133 |
| 93 | 155.6 | 3.13 | 1.14 | 2.01 | 155.614 | 2.0114 | 5 | 2.00437 | 130.9308 | 5.76307 | 0 | 5.7631 | 26.002 | 2.0887 | 0.0006 | 4 | 1 | 0.1836 | 2.5679 | 26.00193 |
| 94 | 117.9 | 4.22 | 1.24 | 3.58 | 117.915 | 3.5788 | 5 | 2.27398 | 132.4406 | 5.82929 | 0 | 5.8293 | 19.228 | 3.765 | 0.0008 | 3 | 1 | 0.1815 | 2.8291 | 19.22806 |
| 95 | 147.8 | 4.04 | 1.03 | 2.73 | 147.813 | 2.7332 | 5 | 2.12125 | 132.6728 | 5.89562 | 0 | 5.8956 | 24.072 | 2.8467 | 0.0005 | 4 | 1 | 0.1795 | 2.6768 | 24.07158 |
| 96 | 93.1 | 4.64 | 1 | 4.98 | 93.1122 | 4.9832 | 9 | 2.45032 | 132.5588 | 5.9619 | 0 | 5.9619 | 14.618 | 5.3241 | 0.0008 | 3 | 1 | 0.1775 | 3.0169 | 14.61787 |
| 97 | 83.7 | 4.85 | 0.95 | 5.79 | 83.7116 | 5.7937 | 9 | 2.53032 | 132.6231 | 6.02822 | 0 | 6.0282 | 12.887 | 6.2433 | 0.0009 | 3 | 1 | 0.1755 | 3.1034 | 12.88664 |
| 98 | 115.8 | 5.05 | 0.95 | 4.36 | 115.812 | 4.3605 | 9 | 2.34628 | 133.7104 | 6.09507 | 0 | 6.0951 | 18.001 | 4.6028 | 0.0006 | 3 | 1 | 0.1736 | 2.907 | 18.00087 |
| 99 | 98.4 | 5.5 | 0.86 | 5.59 | 98.4105 | 5.5888 | 9 | 2.47484 | 133.9379 | 6.16204 | 0 | 6.162 | 14.97 | 5.9622 | 0.0007 | 3 | 1 | 0.1717 | 3.041 | 14.97045 |
| 100 | 144.1 | 3.98 | 0.86 | 2.76 | 144.111 | 2.7618 | 5 | 2.13167 | 132.5014 | 6.22829 | 0 | 6.2283 | 22.138 | 2.8865 | 0.0005 | 4 | 1 | 0.1699 | 2.709 | 22.13806 |
| 101 | 112.9 | 4.3 | 0.86 | 3.81 | 112.911 | 3.8083 | 8 | 2.30682 | 132.4722 | 6.29453 | 0 | 6.2945 | 16.938 | 4.0332 | 0.0006 | 3 | 1 | 0.1681 | 2.8906 | 16.93789 |
| 102 | 141.9 | 4.62 | 0.76 | 3.25 | 141.909 | 3.2556 | 5 | 2.19189 | 133.5549 | 6.3613 | 0 | 6.3613 | 21.308 | 3.4084 | 0.0004 | 4 | 1 | 0.1663 | 2.7672 | 21.30821 |
| 103 | 143.6 | 5.33 | 0.95 | 3.71 | 143.612 | 3.7114 | 8 | 2.23404 | 134.63 | 6.42862 | 0 | 6.4286 | 21.339 | 3.8853 | 0.0005 | 3 | 1 | 0.1646 | 2.8031 | 21.33942 |
| 104 | 149.6 | 6.11 | 1.05 | 4.08 | 149.613 | 4.0839 | 8 | 2.257 | 135.7292 | 6.49648 | 0 | 6.4965 | 22.03 | 4.2693 | 0.0005 | 3 | 1 | 0.1629 | 2.8192 | 22.02982 |
| 105 | 156.8 | 5.26 | 1.08 | 3.35 | 156.813 | 3.3543 | 8 | 2.17599 | 134.7478 | 6.56386 | 0 | 6.5639 | 22.89 | 3.5009 | 0.0005 | 4 | 1 | 0.1612 | 2.7506 | 22.89041 |
| 106 | 159.8 | 4.54 | 1.05 | 2.84 | 159.813 | 2.8408 | 5 | 2.1135 | 133.7169 | 6.63072 | 0 | 6.6307 | 23.102 | 2.9638 | 0.0005 | 4 | 1 | 0.1596 | 2.7017 | 23.1019 |
| 107 | 197.7 | 3.63 | 1.05 | 1.84 | 197.713 | 1.836 | 6 | 1.90742 | 132.5992 | 6.69702 | 0 | 6.697 | 28.523 | 1.9004 | 0.0004 | 4 | 1 | 0.158 | 2.5112 | 28.52253 |
| 108 | 145.9 | 5.66 | 1.24 | 3.88 | 145.915 | 3.879 | 8 | 2.24533 | 135.1084 | 6.76457 | 0 | 6.7646 | 20.571 | 4.0675 | 0.0006 | 3 | 1 | 0.1564 | 2.8281 | 20.5705 |
| 109 | 157.4 | 4.64 | 1.24 | 2.94 | 157.415 | 2.9476 | 5 | 2.13021 | 133.8395 | 6.83149 | 0 | 6.8315 | 22.043 | 3.0813 | 0.0006 | 4 | 1 | 0.1549 | 2.7282 | 22.04259 |
| 110 | 66.7 | 5.17 | 1.24 | 7.75 | 66.7152 | 7.7494 | 9 | 2.69052 | 132.5371 | 6.89776 | 0 | 6.8978 | 8.672 | 8.643 | 0.0015 | 3 | 1 | 0.1534 | 3.3259 | 8.67201 |
| 111 | 86 | 5.58 | 0.95 | 6.49 | 86.0116 | 6.4875 | 9 | 2.56181 | 133.7151 | 6.96462 | 0 | 6.9646 | 11.35 | 7.0591 | 0.0009 | 3 | 1 | 0.1519 | 3.1799 | 11.3498 |
| 112 | 137.9 | 6.05 | 1.33 | 4.38 | 137.916 | 4.3867 | 9 | 2.3029 | 135.4585 | 7.03234 | 0 | 7.0323 | 18.612 | 4.6224 | 0.0007 | 3 | 1 | 0.1505 | 2.8972 | 18.61171 |
| 113 | 159.1 | 5.09 | 1.4 | 3.2 | 159.117 | 3.1989 | 8 | 2.15569 | 134.543 | 7.09962 | 0 | 7.0996 | 21.412 | 3.3483 | 0.0007 | 4 | 1 | 0.149 | 2.7607 | 21.41208 |
| 114 | 66.7 | 4.94 | 1.62 | 7.4 | 66.7198 | 7.4041 | 9 | 2.67502 | 132.2043 | 7.16572 | 0 | 7.1657 | 8.311 | 8.295 | 0.002 | 3 | 1 | 0.1477 | 3.3285 | 8.31098 |
| 115 | 136.4 | 4.51 | 3.04 | 3.3 | 136.437 | 3.3056 | 5 | 2.20759 | 133.2827 | 7.23236 | 0 | 7.2324 | 17.865 | 3.4906 | 0.0017 | 3 | 1 | 0.1463 | 2.8333 | 17.86483 |
| 116 | 137.9 | 4.51 | 3.23 | 3.27 | 137.94 | 3.2696 | 5 | 2.20092 | 133.3094 | 7.29901 | 0 | 7.299 | 17.898 | 3.4522 | 0.0018 | 3 | 1 | 0.145 | 2.8296 | 17.89838 |
| 117 | 93.3 | 5.61 | 3.34 | 6.01 | 93.3409 | 6.0102 | 9 | 2.51387 | 133.9538 | 7.36599 | 0 | 7.366 | 11.672 | 6.5252 | 0.0028 | 3 | 1 | 0.1437 | 3.1485 | 11.67187 |
| 118 | 61.6 | 4.68 | 2.95 | 7.59 | 61.6361 | 7.593 | 9 | 2.70513 | 131.6154 | 7.4318 | 0 | 7.4318 | 7.2936 | 8.634 | 0.0039 | 3 | 1 | 0.1424 | 3.3832 | 7.29357 |
| 119 | 80.2 | 5.63 | 3.14 | 7.01 | 80.2384 | 7.0166 | 9 | 2.60719 | 133.6109 | 7.4986 | 0 | 7.4986 | 9.7005 | 7.7399 | 0.0031 | 3 | 1 | 0.1411 | 3.2578 | 9.70045 |
| 120 | 129.1 | 6.13 | 3.14 | 4.74 | 129.138 | 4.7468 | 9 | 2.34741 | 135.3942 | 7.5663 | 0 | 7.5663 | 16.068 | 5.0423 | 0.0019 | 3 | 1 | 0.1398 | 2.9703 | 16.06758 |
| 121 | 106.9 | 6.36 | 3.17 | 5.94 | 106.939 | 5.9473 | 9 | 2.47481 | 135.2036 | 7.6339 | 0 | 7.6339 | 13.008 | 6.4045 | 0.0023 | 3 | 1 | 0.1386 | 3.1075 | 13.0084 |
| 122 | 130 | 7.16 | 3.18 | 5.51 | 130.039 | 5.506 | 9 | 2.39803 | 136.5476 | 7.70218 | 0 | 7.7022 | 15.883 | 5.8527 | 0.0019 | 3 | 1 | 0.1374 | 3.0163 | 15.8834 |
| 123 | 189.6 | 6.04 | 3.33 | 3.19 | 189.641 | 3.185 | 8 | 2.10931 | 136.2231 | 7.77029 | 0 | 7.7703 | 23.406 | 3.321 | 0.0013 | 4 | 1 | 0.1362 | 2.7285 | 23.40588 |
| 124 | 185.3 | 6.03 | 3.14 | 3.25 | 185.338 | 3.2535 | 8 | 2.12262 | 136.155 | 7.83837 | 0 | 7.8384 | 22.645 | 3.3972 | 0.0013 | 4 | 1 | 0.135 | 2.7459 | 22.64503 |
| 125 | 228.9 | 5.47 | 3.14 | 2.39 | 228.938 | 2.3893 | 6 | 1.96017 | 135.9572 | 7.90634 | 0 | 7.9063 | 27.956 | 2.4748 | 0.001 | 4 | 1 | 0.1338 | 2.5881 | 27.95629 |
| 126 | 237.4 | 3.27 | 3.2 | 1.38 | 237.439 | 1.3772 | 6 | 1.76039 | 132.2816 | 7.97249 | 0 | 7.9725 | 28.782 | 1.425 | 0.001 | 5 | 1 | 0.1327 | 2.4354 | 28.78233 |
| 127 | 71 | 5.51 | 3.39 | 7.76 | 71.0415 | 7.756 | 9 | 2.67396 | 133.1564 | 8.03906 | 0 | 8.0391 | 7.837 | 8.7457 | 0.0039 | 3 | 1 | 0.1316 | 3.3628 | 7.83704 |
| 128 | 98.7 | 6.31 | 2.99 | 6.39 | 98.7366 | 6.3907 | 9 | 2.52052 | 134.9512 | 8.10654 | 0 | 8.1065 | 11.18 | 6.9624 | 0.0024 | 3 | 1 | 0.1305 | 3.181 | 11.17987 |
| 129 | 75.7 | 5.1 | 2.95 | 6.74 | 75.7361 | 6.7339 | 9 | 2.60852 | 132.7467 | 8.17291 | 0 | 8.1729 | 8.2667 | 7.5485 | 0.0031 | 3 | 1 | 0.1295 | 3.3041 | 8.26672 |
| 130 | 120.2 | 5.09 | 2.58 | 4.24 | 120.232 | 4.2335 | 9 | 2.32619 | 133.8595 | 8.23984 | 0 | 8.2398 | 13.591 | 4.545 | 0.0017 | 3 | 1 | 0.1284 | 2.9976 | 13.59149 |
| 131 | 89.7 | 5.95 | 2.38 | 6.62 | 89.7291 | 6.6311 | 9 | 2.55824 | 134.2881 | 8.30699 | 0 | 8.307 | 9.8017 | 7.3076 | 0.0021 | 3 | 1 | 0.1274 | 3.2382 | 9.80165 |
| 132 | 97.8 | 6.18 | 2.57 | 6.32 | 97.8315 | 6.317 | 9 | 2.51886 | 134.7765 | 8.37437 | 0 | 8.3744 | 10.682 | 6.9083 | 0.0021 | 3 | 1 | 0.1264 | 3.1939 | 10.68224 |
| 133 | 103.9 | 6.47 | 2.57 | 6.22 | 103.931 | 6.2253 | 9 | 2.49813 | 135.2595 | 8.442 | 0 | 8.442 | 11.311 | 6.7756 | 0.0019 | 3 | 1 | 0.1253 | 3.1695 | 11.31123 |
| 134 | 54.7 | 4.13 | 2.84 | 7.54 | 54.7348 | 7.5455 | 3 | 2.73583 | 130.411 | 8.50721 | 0 | 8.5072 | 5.4339 | 8.9341 | 0.0044 | 2 | 1 | 0.1244 | 3.4919 | 5.43393 |
| 135 | 54.8 | 4.33 | 2.76 | 7.9 | 54.8338 | 7.8966 | 3 | 2.7505 | 130.7614 | 8.57259 | 0 | 8.5726 | 5.3964 | 9.3599 | 0.0043 | 2 | 1 | 0.1234 | 3.5068 | 5.39641 |
| 136 | 63.2 | 4.91 | 2.85 | 7.77 | 63.2349 | 7.7647 | 9 | 2.7057 | 132.0289 | 8.6386 | 0 | 8.6386 | 6.32 | 8.9933 | 0.0038 | 3 | 1 | 0.1225 | 3.4425 | 6.32003 |
| 137 | 80.8 | 5.02 | 2.92 | 6.21 | 80.8357 | 6.2101 | 9 | 2.56338 | 132.7899 | 8.705 | 0 | 8.705 | 8.2861 | 6.9596 | 0.0029 | 3 | 1 | 0.1216 | 3.281 | 8.28613 |
| 138 | 144.2 | 7.69 | 3.04 | 5.33 | 144.237 | 5.3315 | 9 | 2.36086 | 137.28 | 8.77364 | 0 | 8.7736 | 15.44 | 5.6768 | 0.0016 | 3 | 1 | 0.1206 | 3.0169 | 15.43984 |
| 139 | 188.7 | 6.19 | 3.04 | 3.28 | 188.737 | 3.2797 | 8 | 2.12091 | 136.391 | 8.84184 | 0 | 8.8418 | 20.346 | 3.4409 | 0.0012 | 4 | 1 | 0.1197 | 2.7853 | 20.34593 |
| 140 | 141.2 | 7.52 | 3.23 | 5.32 | 141.24 | 5.3243 | 9 | 2.36555 | 137.108 | 8.91039 | 0 | 8.9104 | 14.851 | 5.6828 | 0.0018 | 3 | 1 | 0.1188 | 3.03 | 14.85111 |
| 141 | 133.2 | 6.68 | 3.61 | 5.02 | 133.244 | 5.0134 | 9 | 2.3587 | 136.0992 | 8.97844 | 0 | 8.9784 | 13.84 | 5.3756 | 0.0021 | 3 | 1 | 0.1179 | 3.0377 | 13.84046 |
| 142 | 105.3 | 7.17 | 3.68 | 6.81 | 105.345 | 6.8062 | 9 | 2.52606 | 136.0441 | 9.04646 | 0 | 9.0465 | 10.645 | 7.4456 | 0.0028 | 3 | 1 | 0.117 | 3.2162 | 10.64489 |
| 143 | 170.4 | 5.88 | -2.33 | 3.45 | 170.371 | 3.4513 | 8 | 2.16472 | 135.7654 | 9.11434 | 0 | 9.1143 | 17.693 | 3.6464 | -0.001 | 3 | 1 | 0.1161 | 2.8484 | 17.69268 |
| 144 | 103.1 | 7.07 | -4.33 | 6.86 | 103.047 | 6.861 | 9 | 2.53447 | 135.8876 | 9.18229 | 0 | 9.1823 | 10.222 | 7.5321 | -0.003 | 3 | 1 | 0.1152 | 3.2328 | 10.22237 |
| 145 | 131 | 6.38 | -4.3 | 4.87 | 130.947 | 4.8722 | 9 | 2.35303 | 135.7206 | 9.25015 | 0 | 9.2502 | 13.156 | 5.2425 | -0.003 | 3 | 1 | 0.1144 | 3.0477 | 13.15625 |
| 146 | 210.1 | 4.36 | -4.11 | 2.08 | 210.05 | 2.0757 | 6 | 1.93312 | 134.0876 | 9.31719 | 0 | 9.3172 | 21.544 | 2.172 | -0.001 | 4 | 1 | 0.1136 | 2.6437 | 21.54431 |
| 147 | 215 | 6.53 | -4.21 | 3.04 | 214.948 | 3.0379 | 8 | 2.06143 | 137.0994 | 9.38574 | 0 | 9.3857 | 21.902 | 3.1767 | -0.001 | 4 | 1 | 0.1127 | 2.7386 | 21.9016 |
| 148 | 174.5 | 7.94 | -4.47 | 4.55 | 174.445 | 4.5516 | 9 | 2.25769 | 137.28 | 9.45438 | 0 | 9.4544 | 17.451 | 4.8124 | -0.002 | 3 | 1 | 0.1119 | 2.9298 | 17.45126 |
| 149 | 179.9 | 7.41 | -4.36 | 4.12 | 179.847 | 4.1202 | 8 | 2.21441 | 137.28 | 9.52302 | 0 | 9.523 | 17.885 | 4.3505 | -0.002 | 3 | 1 | 0.1111 | 2.8934 | 17.88546 |
| 150 | 98.6 | 5.88 | -4.15 | 5.97 | 98.5492 | 5.9666 | 9 | 2.49711 | 134.4302 | 9.59024 | 0 | 9.5902 | 9.276 | 6.6098 | -0.003 | 3 | 1 | 0.1103 | 3.2289 | 9.27599 |
| 151 | 45.6 | 2.67 | -4.37 | 5.87 | 45.5465 | 5.8621 | 3 | 2.7062 | 126.7711 | 9.65362 | 0 | 9.6536 | 3.7181 | 7.4388 | -0.009 | 2 | 1 | 0.1096 | 3.5753 | 3.71807 |
| 152 | 47.6 | 2.55 | -4.49 | 5.36 | 47.545 | 5.3633 | 4 | 2.66521 | 126.5394 | 9.71689 | 0 | 9.7169 | 3.893 | 6.741 | -0.009 | 3 | 1 | 0.1089 | 3.5341 | 3.89303 |
| 153 | 237.4 | 6.26 | -4.49 | 2.64 | 237.345 | 2.6375 | 8 | 1.98646 | 137.0322 | 9.78541 | 0 | 9.7854 | 23.255 | 2.7509 | -0.001 | 4 | 1 | 0.1081 | 2.6793 | 23.255 |
| 154 | 341.4 | 5.7 | -2.11 | 1.67 | 341.374 | 1.6697 | 6 | 1.73359 | 137.233 | 9.85402 | 0 | 9.854 | 33.643 | 1.7194 | -5E-04 | 5 | 1 | 0.1074 | 2.4277 | 33.64312 |
| 155 | 401.8 | 4.25 | 0.56 | 1.06 | 401.807 | 1.0577 | 6 | 1.53019 | 135.4826 | 9.92177 | 0 | 9.9218 | 39.498 | 1.0845 | 0.0001 | 5 | 1 | 0.1067 | 2.2551 | 39.49752 |
| 156 | 239.9 | 4.66 | 0.17 | 1.94 | 239.902 | 1.9425 | 6 | 1.87543 | 134.8986 | 9.98921 | 0 | 9.9892 | 23.016 | 2.0269 | 5E-05 | 4 | 1 | 0.1059 | 2.6028 | 23.01611 |
| 157 | 134.4 | 8.61 | 0.12 | 6.41 | 134.401 | 6.4062 | 9 | 2.44405 | 137.28 | 10.05785 | 0 | 10.058 | 12.363 | 6.9244 | 7E-05 | 3 | 1 | 0.1052 | 3.1463 | 12.36284 |
| 158 | 248.7 | 6.15 | -0.2 | 2.47 | 248.698 | 2.4729 | 6 | 1.9519 | 137.0164 | 10.12636 | 0 | 10.126 | 23.559 | 2.5779 | -6E-05 | 4 | 1 | 0.1045 | 2.6574 | 23.55942 |
| 159 | 390.3 | 6.06 | -0.3 | 1.55 | 390.296 | 1.5527 | 6 | 1.67535 | 137.28 | 10.195 | 0 | 10.195 | 37.283 | 1.5943 | -6E-05 | 5 | 1 | 0.1038 | 2.3723 | 37.2831 |
| 160 | 352.4 | 4.8 | -0.4 | 1.36 | 352.395 | 1.3621 | 6 | 1.65277 | 136.053 | 10.26303 | 0 | 10.263 | 33.336 | 1.403 | -8E-05 | 5 | 1 | 0.1031 | 2.3791 | 33.33636 |
| 161 | 445.9 | 5.83 | -0.49 | 1.31 | 445.894 | 1.3075 | 6 | 1.58133 | 137.28 | 10.33167 | 0 | 10.332 | 42.158 | 1.3385 | -8E-05 | 5 | 1 | 0.1024 | 2.2843 | 42.15798 |
| 162 | 368.2 | 4.87 | -0.5 | 1.32 | 368.194 | 1.3227 | 6 | 1.63142 | 136.2659 | 10.3998 | 0 | 10.4 | 34.404 | 1.3611 | -1E-04 | 5 | 1 | 0.1017 | 2.3603 | 34.40393 |
| 163 | 433 | 6.54 | -0.2 | 1.51 | 432.998 | 1.5104 | 6 | 1.64125 | 137.28 | 10.46844 | 0 | 10.468 | 40.362 | 1.5478 | -3E-05 | 5 | 1 | 0.1011 | 2.3371 | 40.36218 |

| | CPT-14 | In situ data | | | Basic output data | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth (ft) | qc (tsf) | fs (tsf) | u (psi) | Other | qt (tsf) | Rf(%) | SBT | Ic SBT | ã (pcf) | ó,v (tsf) | u0 (tsf) | ó',vo (tsf) | Qt1 | Fr (%) | Bq | SBTn | n | Cn | Ic | Qtn |
| 1 | 130.5 | 5.17 | 1.04 | 3.96 | 130.513 | 3.9613 | 8 | 2.28163 | 134.1738 | 0.06709 | 0 | 0.0671 | 1944.4 | 3.9633 | 0.0006 | 8 | 0.6585 | 2 | 2.1137 | 246.564 |
| 2 | 81.8 | 2.27 | 0.98 | 2.78 | 81.812 | 2.7747 | 5 | 2.29523 | 127.0121 | 0.13059 | 0 | 0.1306 | 625.47 | 2.7791 | 0.0009 | 5 | 0.6563 | 2 | 2.1001 | 154.3914 |
| 3 | 52.7 | 0.79 | 0.77 | 1.49 | 52.7094 | 1.4988 | 5 | 2.25618 | 118.2167 | 0.1897 | 0 | 0.1897 | 276.85 | 1.5042 | 0.0011 | 5 | 0.6326 | 2 | 2.0305 | 99.27101 |
| 4 | 45.8 | 0.58 | 0.69 | 1.26 | 45.8085 | 1.2661 | 5 | 2.26075 | 115.6135 | 0.24751 | 0 | 0.2475 | 184.08 | 1.273 | 0.0011 | 6 | 0.6342 | 2 | 2.0276 | 86.11775 |
| 5 | 54.8 | 0.53 | 0.69 | 0.96 | 54.8085 | 0.967 | 5 | 2.12967 | 115.3913 | 0.3052 | 0 | 0.3052 | 178.58 | 0.9724 | 0.0009 | 6 | 0.5855 | 2 | 1.8926 | 103.0202 |
| 6 | 37.7 | 0.38 | 0.61 | 1.02 | 37.7075 | 1.0078 | 5 | 2.27502 | 112.0448 | 0.36123 | 0 | 0.3612 | 103.39 | 1.0175 | 0.0012 | 6 | 0.6423 | 1.9943 | 2.0345 | 70.38922 |
| 7 | 19.4 | 0.13 | 0.54 | 0.68 | 19.4066 | 0.6699 | 5 | 2.44195 | 102.5762 | 0.41251 | 0 | 0.4125 | 46.045 | 0.6844 | 0.0021 | 5 | 0.7071 | 1.9465 | 2.1968 | 34.94197 |
| 8 | 34.3 | 0.36 | 0.46 | 1.06 | 34.3056 | 1.0494 | 5 | 2.31911 | 111.4186 | 0.46822 | 0 | 0.4682 | 72.268 | 1.0639 | 0.001 | 5 | 0.6824 | 1.7443 | 2.1273 | 55.78024 |
| 9 | 82.7 | 0.6 | 0.62 | 0.72 | 82.7076 | 0.7255 | 6 | 1.9117 | 117.3026 | 0.52687 | 0 | 0.5269 | 155.98 | 0.7301 | 0.0005 | 6 | 0.5527 | 1.4702 | 1.78 | 114.1875 |
| 10 | 70.3 | 0.3 | 0.54 | 0.42 | 70.3066 | 0.4267 | 6 | 1.85394 | 111.8346 | 0.58279 | 0 | 0.5828 | 119.64 | 0.4303 | 0.0006 | 6 | 0.5387 | 1.3789 | 1.7361 | 90.86013 |
| 11 | 65.3 | 0.34 | 0.61 | 0.52 | 65.3075 | 0.5206 | 6 | 1.92302 | 112.5705 | 0.63908 | 0 | 0.6391 | 101.19 | 0.5258 | 0.0007 | 6 | 0.5735 | 1.3353 | 1.8202 | 81.61193 |
| 12 | 48.3 | 0.23 | 0.46 | 0.49 | 48.3056 | 0.4761 | 6 | 2.02088 | 108.9751 | 0.69356 | 0 | 0.6936 | 68.648 | 0.4831 | 0.0007 | 6 | 0.6175 | 1.298 | 1.9286 | 58.40566 |
| 13 | 48 | 0.21 | 0.54 | 0.44 | 48.0066 | 0.4374 | 6 | 2.00723 | 108.2943 | 0.74771 | 0 | 0.7477 | 63.205 | 0.4444 | 0.0008 | 6 | 0.6214 | 1.2408 | 1.9322 | 55.41946 |
| 14 | 65.8 | 0.1 | 0.58 | 0.15 | 65.8071 | 0.152 | 6 | 1.72372 | 103.6348 | 0.79953 | 0 | 0.7995 | 81.307 | 0.1538 | 0.0006 | 6 | 0.5234 | 1.158 | 1.6683 | 71.14166 |
| 15 | 33 | 0.3 | 0.34 | 0.91 | 33.0042 | 0.909 | 5 | 2.30074 | 109.9902 | 0.85452 | 0 | 0.8545 | 37.623 | 0.9331 | 0.0008 | 5 | 0.7505 | 1.174 | 2.2569 | 35.66937 |
| 16 | 27.6 | 0.37 | 0.38 | 1.33 | 27.6047 | 1.3404 | 5 | 2.45603 | 111.089 | 0.91007 | 0 | 0.9101 | 29.332 | 1.3861 | 0.001 | 5 | 0.8195 | 1.1315 | 2.4316 | 28.54531 |
| 17 | 47 | 0.4 | 0.38 | 0.84 | 47.0047 | 0.851 | 5 | 2.15486 | 112.9576 | 0.96655 | 0 | 0.9666 | 47.631 | 0.8689 | 0.0006 | 5 | 0.7125 | 1.0666 | 2.1437 | 46.40793 |
| 18 | 51.3 | 0.47 | 0.23 | 0.91 | 51.3028 | 0.9161 | 5 | 2.14034 | 114.351 | 1.02372 | 0 | 1.0237 | 49.114 | 0.9348 | 0.0003 | 5 | 0.7152 | 1.0239 | 2.1439 | 48.65405 |
| 19 | 80.8 | 0.75 | 0.54 | 0.93 | 80.8066 | 0.9281 | 6 | 1.98224 | 118.8786 | 1.08316 | 0 | 1.0832 | 73.602 | 0.9408 | 0.0005 | 6 | 0.6616 | 0.9846 | 1.9958 | 74.18769 |
| 20 | 74.9 | 0.35 | 0.46 | 0.47 | 74.9056 | 0.4673 | 6 | 1.84818 | 113.1171 | 1.13972 | 0 | 1.1397 | 64.723 | 0.4745 | 0.0005 | 6 | 0.6182 | 0.9551 | 1.8747 | 66.58529 |
| 21 | 127.1 | 0.71 | 0.69 | 0.56 | 127.108 | 0.5586 | 6 | 1.69362 | 119.5824 | 1.19951 | 0 | 1.1995 | 104.97 | 0.5639 | 0.0004 | 6 | 0.5639 | 0.9317 | 1.7247 | 110.8685 |
| 22 | 95.8 | 0.77 | 0.69 | 0.81 | 95.8085 | 0.8037 | 6 | 1.88557 | 119.4865 | 1.25926 | 0 | 1.2593 | 75.083 | 0.8144 | 0.0005 | 6 | 0.6462 | 0.8936 | 1.933 | 79.85238 |
| 23 | 98 | 0.49 | 0.77 | 0.5 | 98.0094 | 0.5 | 6 | 1.76188 | 116.2347 | 1.31737 | 0 | 1.3174 | 73.398 | 0.5068 | 0.0006 | 6 | 0.6054 | 0.8757 | 1.8193 | 80.02698 |
| 24 | 70.6 | 0.19 | 0.54 | 0.27 | 70.6066 | 0.2691 | 6 | 1.76937 | 108.5029 | 1.37162 | 0 | 1.3716 | 50.477 | 0.2744 | 0.0006 | 6 | 0.6179 | 0.8518 | 1.8453 | 55.73845 |
| 25 | 78.2 | 0.63 | 0.75 | 0.81 | 78.2092 | 0.8055 | 6 | 1.95758 | 117.5232 | 1.43039 | 0 | 1.4304 | 53.677 | 0.8205 | 0.0007 | 6 | 0.6964 | 0.8106 | 2.044 | 58.82227 |
| 26 | 120.2 | 0.59 | 0.79 | 0.49 | 120.21 | 0.4908 | 6 | 1.68251 | 118.0916 | 1.48943 | 0 | 1.4894 | 79.708 | 0.497 | 0.0005 | 6 | 0.5927 | 0.8166 | 1.7646 | 91.61765 |
| 27 | 146.2 | 0.93 | 0.82 | 0.64 | 146.21 | 0.6361 | 6 | 1.67788 | 121.8989 | 1.55038 | 0 | 1.5504 | 93.306 | 0.6429 | 0.0004 | 6 | 0.5953 | 0.7966 | 1.7636 | 108.9079 |
| 28 | 168.7 | 1.34 | 1.29 | 0.8 | 168.716 | 0.7942 | 6 | 1.69131 | 124.9205 | 1.61284 | 0 | 1.6128 | 103.61 | 0.8019 | 0.0006 | 6 | 0.6051 | 0.7749 | 1.7817 | 122.3724 |
| 29 | 162.4 | 1.09 | 1.65 | 0.67 | 162.42 | 0.6711 | 6 | 1.65654 | 123.3169 | 1.6745 | 0 | 1.6745 | 95.996 | 0.6781 | 0.0007 | 6 | 0.5986 | 0.7597 | 1.757 | 115.4178 |
| 30 | 64.6 | 0.76 | 0.94 | 1.18 | 64.6115 | 1.1763 | 5 | 2.12179 | 118.43 | 1.73371 | 0 | 1.7337 | 36.268 | 1.2087 | 0.0011 | 5 | 0.7994 | 0.6739 | 2.2767 | 40.04379 |
| 31 | 65.4 | 1.34 | 1.61 | 2.04 | 65.4197 | 2.0483 | 5 | 2.27236 | 122.6098 | 1.79502 | 0 | 1.795 | 35.445 | 2.1061 | 0.0018 | 5 | 0.8649 | 0.6331 | 2.4397 | 38.06772 |
| 32 | 100.8 | 0.94 | 1.61 | 0.93 | 100.82 | 0.9324 | 6 | 1.90739 | 121.0705 | 1.85556 | 0 | 1.8556 | 53.334 | 0.9498 | 0.0012 | 5 | 0.7224 | 0.6665 | 2.0594 | 62.33345 |
| 33 | 83.1 | 1.66 | 1.64 | 2 | 83.1201 | 1.9971 | 5 | 2.18899 | 124.7608 | 1.91794 | 0 | 1.9179 | 42.338 | 2.0443 | 0.0015 | 5 | 0.8416 | 0.6062 | 2.3645 | 46.52156 |
| 34 | 78.2 | 1.05 | 1 | 1.34 | 78.2122 | 1.3425 | 5 | 2.09306 | 121.261 | 1.97857 | 0 | 1.9786 | 38.53 | 1.3773 | 0.0009 | 5 | 0.8131 | 0.6012 | 2.2822 | 43.31096 |
| 35 | 130.1 | 1.13 | 1.6 | 0.86 | 130.12 | 0.8684 | 6 | 1.80211 | 123.0398 | 2.04009 | 0 | 2.0401 | 62.781 | 0.8823 | 0.0009 | 6 | 0.6964 | 0.6331 | 1.9679 | 76.63045 |
| 36 | 172.2 | 1.82 | 1.68 | 1.06 | 172.221 | 1.0568 | 6 | 1.76952 | 127.2109 | 2.10369 | 0 | 2.1037 | 80.866 | 1.0699 | 0.0007 | 6 | 0.684 | 0.625 | 1.9276 | 100.4784 |
| 37 | 115.1 | 1.04 | 0.93 | 0.9 | 115.111 | 0.9035 | 6 | 1.85403 | 122.1336 | 2.16476 | 0 | 2.1648 | 52.175 | 0.9208 | 0.0006 | 6 | 0.7323 | 0.592 | 2.0467 | 63.19583 |
| 38 | 139.6 | 1.22 | 1.38 | 0.87 | 139.617 | 0.8738 | 6 | 1.78053 | 123.7723 | 2.22664 | 0 | 2.2266 | 61.703 | 0.888 | 0.0007 | 6 | 0.7056 | 0.5916 | 1.9688 | 76.8139 |
| 39 | 42.4 | 2.05 | 1.43 | 4.83 | 42.4175 | 4.8329 | 4 | 2.66677 | 124.6641 | 2.28898 | 0 | 2.289 | 17.531 | 5.1086 | 0.0026 | 3 | 1 | 0.4623 | 2.9452 | 17.53121 |
| 40 | 84.3 | 1.3 | 1.45 | 1.54 | 84.3178 | 1.5418 | 5 | 2.10786 | 123.007 | 2.35048 | 0 | 2.3505 | 34.873 | 1.586 | 0.0013 | 5 | 0.8585 | 0.504 | 2.355 | 39.04321 |
| 41 | 119.2 | 0.73 | 1.55 | 0.61 | 119.219 | 0.6123 | 6 | 1.73933 | 119.6294 | 2.41029 | 0 | 2.4103 | 48.462 | 0.625 | 0.001 | 6 | 0.7129 | 0.556 | 1.9649 | 61.38195 |
| 42 | 27 | 1.73 | 1.68 | 6.41 | 27.0206 | 6.4025 | 3 | 2.89161 | 122.3224 | 2.47146 | 0 | 2.4715 | 9.9331 | 7.0471 | 0.0049 | 3 | 1 | 0.4281 | 3.2237 | 9.93306 |
| 43 | 56.1 | 1.13 | 1.52 | 2.01 | 56.1186 | 2.0136 | 5 | 2.31711 | 120.9886 | 2.53195 | 0 | 2.532 | 21.164 | 2.1087 | 0.002 | 4 | 0.9737 | 0.4276 | 2.6343 | 21.65639 |
| 44 | 91.8 | 1.61 | 1.28 | 1.75 | 91.8157 | 1.7535 | 5 | 2.1187 | 124.7797 | 2.59434 | 0 | 2.5943 | 34.391 | 1.8045 | 0.001 | 5 | 0.8863 | 0.4517 | 2.3977 | 38.08347 |
| 45 | 93 | 1.34 | 1.33 | 1.44 | 93.0163 | 1.4406 | 5 | 2.05645 | 123.4682 | 2.65607 | 0 | 2.6561 | 34.02 | 1.483 | 0.0011 | 5 | 0.8685 | 0.4496 | 2.3433 | 38.39611 |
| 46 | 103.6 | 0.77 | 1.15 | 0.74 | 103.614 | 0.7431 | 6 | 1.83799 | 119.6775 | 2.71591 | 0 | 2.7159 | 37.151 | 0.7632 | 0.0008 | 5 | 0.7872 | 0.4761 | 2.1219 | 45.40214 |
| 47 | 101.2 | 0.81 | 1.07 | 0.8 | 101.213 | 0.8003 | 6 | 1.86539 | 119.9909 | 2.77591 | 0 | 2.7759 | 35.461 | 0.8229 | 0.0008 | 5 | 0.8049 | 0.4601 | 2.1608 | 42.80463 |
| 48 | 82.4 | 1.11 | 1.22 | 1.35 | 82.4149 | 1.3468 | 5 | 2.07663 | 121.7953 | 2.83681 | 0 | 2.8368 | 28.052 | 1.3949 | 0.0011 | 5 | 0.9002 | 0.4116 | 2.4041 | 30.95302 |
| 49 | 83.6 | 1.12 | 1.38 | 1.33 | 83.6169 | 1.3394 | 5 | 2.0703 | 121.8962 | 2.89775 | 0 | 2.8978 | 27.856 | 1.3875 | 0.0012 | 5 | 0.9038 | 0.4023 | 2.4058 | 30.69187 |
| 50 | 97.3 | 1.3 | 1.3 | 1.33 | 97.3159 | 1.3359 | 6 | 2.01994 | 123.3567 | 2.95943 | 0 | 2.9594 | 31.883 | 1.3778 | 0.001 | 5 | 0.8848 | 0.4025 | 2.3483 | 35.89333 |
| 51 | 123.3 | 1.27 | 1.38 | 1.03 | 123.317 | 1.0299 | 6 | 1.86804 | 123.7634 | 3.02131 | 0 | 3.0213 | 39.816 | 1.0557 | 0.0008 | 5 | 0.8235 | 0.4215 | 2.1792 | 47.91701 |
| 52 | 114.4 | 0.68 | 1.3 | 0.59 | 114.416 | 0.5943 | 6 | 1.74651 | 119.0099 | 3.08082 | 0 | 3.0808 | 36.138 | 0.6108 | 0.0008 | 5 | 0.7861 | 0.4317 | 2.0731 | 45.41859 |
| 53 | 93.6 | 1.6 | 1.38 | 1.71 | 93.6169 | 1.7091 | 5 | 2.1049 | 124.7815 | 3.14321 | 0 | 3.1432 | 28.784 | 1.7685 | 0.0011 | 5 | 0.9393 | 0.3596 | 2.4663 | 30.74983 |
| 54 | 103.5 | 1.36 | 1.45 | 1.31 | 103.518 | 1.3138 | 6 | 1.99515 | 123.8375 | 3.20513 | 0 | 3.2051 | 31.298 | 1.3558 | 0.001 | 5 | 0.8982 | 0.3696 | 2.3529 | 35.03604 |
| 55 | 122.2 | 0.99 | 1.61 | 0.81 | 122.22 | 0.81 | 6 | 1.80395 | 121.9192 | 3.26609 | 0 | 3.2661 | 36.421 | 0.8323 | 0.001 | 5 | 0.824 | 0.3951 | 2.1498 | 44.41171 |
| 56 | 91.2 | 1.82 | 1.45 | 1.99 | 91.2178 | 1.9952 | 5 | 2.15984 | 125.6608 | 3.32892 | 0 | 3.3289 | 26.402 | 2.0708 | 0.0012 | 4 | 0.9802 | 0.3252 | 2.5525 | 27.00753 |
| 57 | 137.3 | 0.88 | 1.41 | 0.64 | 137.317 | 0.6409 | 6 | 1.70151 | 121.3415 | 3.38959 | 0 | 3.3896 | 39.511 | 0.6571 | 0.0008 | 6 | 0.7921 | 0.3977 | 2.0501 | 50.33327 |
| 58 | 108.2 | 0.87 | 1.45 | 0.81 | 108.218 | 0.8039 | 6 | 1.84347 | 120.677 | 3.44993 | 0 | 3.4499 | 30.368 | 0.8304 | 0.001 | 5 | 0.8633 | 0.3605 | 2.2304 | 35.69132 |
| 59 | 133.1 | 0.95 | 1.38 | 0.71 | 133.117 | 0.7137 | 6 | 1.74072 | 121.8257 | 3.51084 | 0 | 3.5108 | 36.916 | 0.733 | 0.0008 | 5 | 0.8204 | 0.3738 | 2.1097 | 45.78697 |
| 60 | 131.4 | 1.54 | 1.38 | 1.17 | 131.417 | 1.1718 | 6 | 1.88527 | 125.3291 | 3.57351 | 0 | 3.5735 | 35.775 | 1.2046 | 0.0008 | 5 | 0.8823 | 0.3417 | 2.265 | 41.28675 |
| 61 | 135.3 | 1.34 | 1.61 | 0.99 | 135.32 | 0.9903 | 6 | 1.82654 | 124.3825 | 3.6357 | 0 | 3.6357 | 36.22 | 1.0176 | 0.0009 | 5 | 0.8646 | 0.344 | 2.2106 | 42.80753 |
| 62 | 110.7 | 0.93 | 1.53 | 0.84 | 110.719 | 0.84 | 6 | 1.84736 | 121.2207 | 3.69631 | 0 | 3.6963 | 28.954 | 0.869 | 0.001 | 5 | 0.8888 | 0.329 | 2.2666 | 33.27641 |
| 63 | 122.6 | 1.54 | 1.35 | 1.26 | 122.617 | 1.256 | 6 | 1.92781 | 125.16 | 3.75889 | 0 | 3.7589 | 31.62 | 1.2957 | 0.0008 | 5 | 0.9203 | 0.3114 | 2.3422 | 34.98099 |
| 64 | 109.8 | 2.43 | 1.84 | 2.21 | 109.823 | 2.2127 | 5 | 2.13603 | 128.2286 | 3.823 | 0 | 3.823 | 27.727 | 2.2925 | 0.0013 | 4 | 1 | 0.2768 | 2.5703 | 27.72678 |
| 65 | 101.5 | 4.46 | 2.35 | 4.39 | 101.529 | 4.3928 | 9 | 2.38407 | 132.4804 | 3.88924 | 0 | 3.8892 | 25.105 | 4.5678 | 0.0017 | 3 | 1 | 0.2721 | 2.7963 | 25.10503 |
| 66 | 96.2 | 6.99 | 3.27 | 7.27 | 96.24 | 7.2631 | 9 | 2.57191 | 135.6376 | 3.95706 | 0 | 3.9571 | 23.321 | 7.5745 | 0.0026 | 3 | 1 | 0.2674 | 2.971 | 23.32109 |
| 67 | 151.8 | 7.98 | 4.08 | 5.25 | 151.85 | 5.2552 | 9 | 2.34311 | 137.28 | 4.0257 | 0 | 4.0257 | 36.72 | 5.3983 | 0.002 | 3 | 1 | 0.2628 | 2.7278 | 36.72013 |
| 68 | 157.1 | 8.16 | 4.76 | 5.19 | 157.158 | 5.1922 | 9 | 2.33043 | 137.28 | 4.09434 | 0 | 4.0943 | 37.384 | 5.3311 | 0.0022 | 3 | 1 | 0.2584 | 2.7184 | 37.38427 |
| 69 | 127.3 | 8.54 | 5.51 | 6.71 | 127.367 | 6.705 | 9 | 2.47354 | 137.28 | 4.16298 | 0 | 4.163 | 29.595 | 6.9316 | 0.0032 | 3 | 1 | 0.2542 | 2.8709 | 29.59526 |
| 70 | 129.3 | 5.97 | 5.07 | 4.61 | 129.362 | 4.615 | 9 | 2.33709 | 135.2049 | 4.23058 | 0 | 4.2306 | 29.578 | 4.771 | 0.0029 | 3 | 1 | 0.2501 | 2.757 | 29.57784 |
| 71 | 99.7 | 6.84 | 5.42 | 6.86 | 99.7663 | 6.856 | 9 | 2.54246 | 135.5667 | 4.29837 | 0 | 4.2984 | 22.21 | 7.1647 | 0.0041 | 3 | 1 | 0.2462 | 2.9691 | 22.2103 |
| 72 | 89.7 | 6.9 | 5.52 | 7.68 | 89.7676 | 7.6865 | 9 | 2.60961 | 135.373 | 4.36605 | 0 | 4.3661 | 19.56 | 8.0795 | 0.0047 | 3 | 1 | 0.2424 | 3.045 | 19.56035 |
| 73 | 97.4 | 7.49 | 6.05 | 7.68 | 97.4741 | 7.6841 | 9 | 2.58853 | 136.1742 | 4.43414 | 0 | 4.4341 | 20.983 | 8.0503 | 0.0047 | 3 | 1 | 0.2386 | 3.0222 | 20.98263 |
| 74 | 87.7 | 6.75 | 6.38 | 7.68 | 87.7781 | 7.6899 | 9 | 2.61552 | 135.1575 | 4.50172 | 0 | 4.5017 | 18.499 | 8.1055 | 0.0055 | 3 | 1 | 0.2351 | 3.0634 | 18.4988 |
| 75 | 92.6 | 7.18 | 5.97 | 7.75 | 92.6731 | 7.7477 | 9 | 2.60424 | 135.7418 | 4.56959 | 0 | 4.5696 | 19.28 | 8.1495 | 0.0049 | 3 | 1 | 0.2316 | 3.0521 | 19.2804 |
| 76 | 110.2 | 6.8 | 6.33 | 6.17 | 110.277 | 6.1663 | 9 | 2.47964 | 135.7681 | 4.63747 | 0 | 4.6375 | 22.78 | 6.437 | 0.0043 | 3 | 1 | 0.2282 | 2.9288 | 22.77965 |
| 77 | 127.7 | 7.47 | 6.17 | 5.85 | 127.776 | 5.8462 | 9 | 2.42372 | 136.8149 | 4.70588 | 0 | 4.7059 | 26.152 | 6.0697 | 0.0036 | 3 | 1 | 0.2249 | 2.868 | 26.15231 |
| 78 | 152.7 | 5.49 | 6.17 | 3.59 | 152.776 | 3.5935 | 8 | 2.20677 | 134.9973 | 4.77338 | 0 | 4.7734 | 31.006 | 3.7094 | 0.003 | 4 | 1 | 0.2217 | 2.6676 | 31.00574 |
| 79 | 127 | 5.33 | 5.75 | 4.19 | 127.07 | 4.1945 | 9 | 2.30845 | 134.3316 | 4.84054 | 0 | 4.8405 | 25.251 | 4.3606 | 0.0034 | 3 | 1 | 0.2186 | 2.7809 | 25.25126 |
| 80 | 151.2 | 5.9 | 6.19 | 3.9 | 151.276 | 3.9002 | 8 | 2.23799 | 135.5003 | 4.9083 | 0 | 4.9083 | 29.82 | 4.031 | 0.003 | 4 | 1 | 0.2156 | 2.7045 | 29.82043 |
| 81 | 179.1 | 5.17 | 6.42 | 2.89 | 179.179 | 2.8854 | 5 | 2.08896 | 134.9467 | 4.97577 | 0 | 4.9758 | 35.01 | 2.9678 | 0.0027 | 4 | 1 | 0.2127 | 2.5638 | 35.01023 |
| 82 | 210.2 | 3.65 | 6.43 | 1.74 | 210.279 | 1.7358 | 6 | 1.87166 | 132.7897 | 5.04216 | 0 | 5.0422 | 40.704 | 1.7784 | 0.0023 | 5 | 0.9916 | 0.2126 | 2.3666 | 41.23887 |
| 83 | 209 | 3.08 | 6.24 | 1.47 | 209.076 | 1.4732 | 6 | 1.81825 | 131.5333 | 5.10793 | 0 | 5.1079 | 39.932 | 1.51 | 0.0022 | 5 | 0.9768 | 0.2149 | 2.3216 | 41.42069 |
| 84 | 183.8 | 3.32 | 6.52 | 1.8 | 183.88 | 1.8055 | 6 | 1.92178 | 131.7691 | 5.17381 | 0 | 5.1738 | 34.54 | 1.8578 | 0.0026 | 5 | 1 | 0.2045 | 2.439 | 34.54047 |
| 85 | 147.3 | 4.08 | 6.33 | 2.77 | 147.377 | 2.7684 | 5 | 2.12639 | 132.7377 | 5.24018 | 0 | 5.2402 | 27.124 | 2.8705 | 0.0032 | 4 | 1 | 0.2019 | 2.6388 | 27.12449 |
| 86 | 95.6 | 5.25 | 6.2 | 5.48 | 95.6759 | 5.4873 | 9 | 2.47597 | 133.5288 | 5.30695 | 0 | 5.307 | 17.028 | 5.8095 | 0.0049 | 3 | 1 | 0.1994 | 2.9915 | 17.02842 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 87 | 114.8 | 5.53 | 6.67 | 4.81 | 114.882 | 4.8137 | 9 | 2.38255 | 134.3552 | 5.37413 | 0 | 5.3741 | 20.377 | 5.0499 | 0.0044 | 3 | 1 | 0.1969 | 2.8928 | 20.37681 |
| 88 | 67.8 | 4.64 | 6.59 | 6.84 | 67.8807 | 6.8355 | 9 | 2.64328 | 131.7879 | 5.44002 | 0 | 5.44 | 11.478 | 7.4311 | 0.0076 | 3 | 1 | 0.1945 | 3.1908 | 11.47802 |
| 89 | 120.3 | 6.75 | 6.74 | 5.6 | 120.383 | 5.6071 | 9 | 2.42389 | 135.9279 | 5.50798 | 0 | 5.508 | 20.856 | 5.876 | 0.0042 | 3 | 1 | 0.1921 | 2.9296 | 20.856 |
| 90 | 97.9 | 6.15 | 6.94 | 6.27 | 97.985 | 6.2765 | 9 | 2.51621 | 134.7447 | 5.57536 | 0 | 5.5754 | 16.575 | 6.6552 | 0.0054 | 3 | 1 | 0.1898 | 3.0397 | 16.57465 |
| 91 | 123.8 | 6.11 | 7.09 | 4.93 | 123.887 | 4.9319 | 9 | 2.37147 | 135.269 | 5.64299 | 0 | 5.643 | 20.954 | 5.1673 | 0.0043 | 3 | 1 | 0.1875 | 2.8904 | 20.9541 |
| 92 | 103.1 | 5.4 | 6.77 | 5.23 | 103.183 | 5.2334 | 9 | 2.43968 | 133.9192 | 5.70995 | 0 | 5.71 | 17.071 | 5.54 | 0.005 | 3 | 1 | 0.1853 | 2.9771 | 17.07071 |
| 93 | 64.4 | 4.94 | 7.04 | 7.66 | 64.4862 | 7.6606 | 9 | 2.6958 | 132.1212 | 5.77601 | 0 | 5.776 | 10.164 | 8.4142 | 0.0086 | 3 | 1 | 0.1832 | 3.266 | 10.16448 |
| 94 | 70.9 | 5.45 | 7.43 | 7.68 | 70.9909 | 7.677 | 9 | 2.67065 | 133.0745 | 5.84255 | 0 | 5.8426 | 11.151 | 8.3655 | 0.0082 | 3 | 1 | 0.1811 | 3.2342 | 11.15068 |
| 95 | 95.6 | 6.04 | 8.12 | 6.31 | 95.6994 | 6.3114 | 9 | 2.52428 | 134.5551 | 5.90982 | 0 | 5.9098 | 15.193 | 6.7268 | 0.0065 | 3 | 1 | 0.179 | 3.0708 | 15.19327 |
| 96 | 115.5 | 6.82 | 8.03 | 5.9 | 115.598 | 5.8997 | 9 | 2.45211 | 135.9045 | 5.97778 | 0 | 5.9778 | 18.338 | 6.2215 | 0.0053 | 3 | 1 | 0.177 | 2.9875 | 18.33801 |
| 97 | 70.6 | 5.29 | 8.6 | 7.48 | 70.7053 | 7.4818 | 9 | 2.66292 | 132.8467 | 6.0442 | 0 | 6.0442 | 10.698 | 8.1811 | 0.0096 | 3 | 1 | 0.1751 | 3.2413 | 10.69803 |
| 98 | 66.4 | 5.24 | 9.12 | 7.87 | 66.5116 | 7.8783 | 9 | 2.69697 | 132.628 | 6.11051 | 0 | 6.1105 | 9.8848 | 8.6753 | 0.0109 | 3 | 1 | 0.1732 | 3.2839 | 9.88478 |
| 99 | 76 | 5.91 | 9.17 | 7.77 | 76.1122 | 7.7649 | 9 | 2.65606 | 133.8373 | 6.17743 | 0 | 6.1774 | 11.321 | 8.4507 | 0.0094 | 3 | 1 | 0.1713 | 3.2322 | 11.32101 |
| 100 | 97.3 | 6.04 | 9.49 | 6.2 | 97.4162 | 6.2002 | 9 | 2.51347 | 134.5984 | 6.24473 | 0 | 6.2447 | 14.6 | 6.6249 | 0.0075 | 3 | 1 | 0.1694 | 3.0794 | 14.59973 |
| 101 | 80 | 6 | 9.99 | 7.49 | 80.1223 | 7.4886 | 9 | 2.63003 | 134.0731 | 6.31177 | 0 | 6.3118 | 11.694 | 8.1289 | 0.0097 | 3 | 1 | 0.1676 | 3.2104 | 11.69411 |
| 102 | 97.7 | 6.61 | 9.99 | 6.76 | 97.8223 | 6.7572 | 9 | 2.54241 | 135.2684 | 6.3794 | 0 | 6.3794 | 14.334 | 7.2286 | 0.0079 | 3 | 1 | 0.1659 | 3.1105 | 14.33408 |
| 103 | 92.3 | 6.66 | 10.83 | 7.21 | 92.4326 | 7.2053 | 9 | 2.57945 | 135.1853 | 6.447 | 0 | 6.447 | 13.337 | 7.7455 | 0.0091 | 3 | 1 | 0.1641 | 3.1539 | 13.33731 |
| 104 | 193.3 | 6.19 | 10.11 | 3.2 | 193.424 | 3.2002 | 8 | 2.10608 | 136.4508 | 6.51522 | 0 | 6.5152 | 28.688 | 3.3118 | 0.0039 | 4 | 1 | 0.1624 | 2.6603 | 28.68798 |
| 105 | 112.4 | 6.63 | 9.65 | 5.89 | 112.518 | 5.8924 | 9 | 2.45854 | 135.6319 | 6.58304 | 0 | 6.583 | 16.092 | 6.2586 | 0.0066 | 3 | 1 | 0.1607 | 3.0314 | 16.09213 |
| 106 | 65.6 | 4.82 | 9.86 | 7.34 | 65.7207 | 7.3341 | 9 | 2.6759 | 131.9876 | 6.64903 | 0 | 6.649 | 8.8843 | 8.1596 | 0.012 | 3 | 1 | 0.1591 | 3.3017 | 8.88425 |
| 107 | 64.1 | 5.71 | 11.48 | 8.89 | 64.2405 | 8.8885 | 9 | 2.74752 | 133.1718 | 6.71562 | 0 | 6.7156 | 8.5658 | 9.9261 | 0.0144 | 3 | 1 | 0.1576 | 3.3692 | 8.56584 |
| 108 | 63.2 | 5.1 | 11.71 | 8.05 | 63.3433 | 8.0514 | 9 | 2.71753 | 132.3109 | 6.78177 | 0 | 6.7818 | 8.3402 | 9.0167 | 0.0149 | 3 | 1 | 0.156 | 3.3507 | 8.34023 |
| 109 | 77.6 | 5.56 | 11.72 | 7.15 | 77.7435 | 7.1517 | 9 | 2.62213 | 133.4423 | 6.84849 | 0 | 6.8485 | 10.352 | 7.8426 | 0.0119 | 3 | 1 | 0.1545 | 3.24 | 10.35191 |
| 110 | 85.4 | 6.38 | 12.72 | 7.46 | 85.5557 | 7.4571 | 9 | 2.61143 | 134.6825 | 6.91583 | 0 | 6.9158 | 11.371 | 8.1129 | 0.0117 | 3 | 1 | 0.153 | 3.219 | 11.37099 |
| 111 | 82.8 | 6.31 | 13.09 | 7.61 | 82.9602 | 7.6061 | 9 | 2.62632 | 134.5266 | 6.9831 | 0 | 6.9831 | 10.88 | 8.3051 | 0.0124 | 3 | 1 | 0.1515 | 3.2401 | 10.88015 |
| 112 | 58.1 | 4.31 | 13.63 | 7.39 | 58.2668 | 7.397 | 3 | 2.71182 | 130.8756 | 7.04854 | 0 | 7.0485 | 7.2665 | 8.415 | 0.0192 | 3 | 1 | 0.1501 | 3.3773 | 7.26652 |
| 113 | 101.2 | 6.2 | 15.23 | 6.12 | 101.386 | 6.1152 | 9 | 2.49829 | 134.8872 | 7.11598 | 0 | 7.116 | 13.248 | 6.5768 | 0.0116 | 3 | 1 | 0.1487 | 3.109 | 13.24771 |
| 114 | 104.4 | 6.84 | 15.34 | 6.54 | 104.588 | 6.54 | 9 | 2.51383 | 135.6818 | 7.18382 | 0 | 7.1838 | 13.559 | 7.0223 | 0.0113 | 3 | 1 | 0.1473 | 3.1202 | 13.55879 |
| 115 | 70.7 | 4.68 | 15.43 | 6.6 | 70.8889 | 6.6019 | 9 | 2.6197 | 131.9565 | 7.2498 | 0 | 7.2498 | 8.7781 | 7.354 | 0.0175 | 3 | 1 | 0.146 | 3.2768 | 8.77805 |
| 116 | 81.3 | 6.06 | 17.77 | 7.43 | 81.5175 | 7.434 | 9 | 2.62297 | 134.188 | 7.31689 | 0 | 7.3169 | 10.141 | 8.1671 | 0.0172 | 3 | 1 | 0.1446 | 3.2583 | 10.141 |
| 117 | 117.9 | 8.29 | 18.83 | 7.02 | 118.13 | 7.0177 | 9 | 2.50833 | 137.28 | 7.38553 | 0 | 7.3855 | 14.995 | 7.4857 | 0.0122 | 3 | 1 | 0.1433 | 3.1062 | 14.99485 |
| 118 | 144.2 | 8.71 | 19.69 | 6.03 | 144.441 | 6.0301 | 9 | 2.40481 | 137.28 | 7.45417 | 0 | 7.4542 | 18.377 | 6.3583 | 0.0104 | 3 | 1 | 0.142 | 2.9932 | 18.3772 |
| 119 | 161 | 7.41 | 5.76 | 4.6 | 161.071 | 4.6005 | 9 | 2.28093 | 137.28 | 7.52281 | 0 | 7.5228 | 20.411 | 4.8259 | 0.0027 | 3 | 1 | 0.1407 | 2.8792 | 20.41094 |
| 120 | 125 | 8.3 | 1.91 | 6.64 | 125.023 | 6.6388 | 9 | 2.47452 | 137.28 | 7.59145 | 0 | 7.5915 | 15.469 | 7.0679 | 0.0012 | 3 | 1 | 0.1394 | 3.0794 | 15.46897 |
| 121 | 139.9 | 7.96 | 2.42 | 5.69 | 139.93 | 5.6886 | 9 | 2.39153 | 137.28 | 7.66009 | 0 | 7.6601 | 17.267 | 6.018 | 0.0013 | 3 | 1 | 0.1381 | 2.9972 | 17.26735 |
| 122 | 160.9 | 7.5 | 3.53 | 4.66 | 160.943 | 4.66 | 9 | 2.28574 | 137.28 | 7.72873 | 0 | 7.7287 | 19.824 | 4.8951 | 0.0017 | 3 | 1 | 0.1369 | 2.8928 | 19.82401 |
| 123 | 69.2 | 4.17 | 3.89 | 6.02 | 69.2476 | 6.0219 | 9 | 2.5952 | 131.0551 | 7.79426 | 0 | 7.7943 | 7.8844 | 6.7856 | 0.0046 | 3 | 1 | 0.1358 | 3.291 | 7.88444 |
| 124 | 82.9 | 6.25 | 4.12 | 7.53 | 82.9504 | 7.5346 | 9 | 2.62308 | 134.4564 | 7.86149 | 0 | 7.8615 | 9.5515 | 8.3235 | 0.004 | 3 | 1 | 0.1346 | 3.2834 | 9.55149 |
| 125 | 148.4 | 7.8 | 4.68 | 5.25 | 148.457 | 5.254 | 9 | 2.34854 | 137.28 | 7.93013 | 0 | 7.9301 | 17.721 | 5.5505 | 0.0024 | 3 | 1 | 0.1334 | 2.9654 | 17.72067 |
| 126 | 186.7 | 6.34 | 4.02 | 3.4 | 186.749 | 3.3949 | 8 | 2.13584 | 136.5403 | 7.9984 | 0 | 7.9984 | 22.348 | 3.5468 | 0.0016 | 4 | 1 | 0.1323 | 2.7622 | 22.34832 |
| 127 | 127 | 7.86 | 4.51 | 6.19 | 127.055 | 6.1863 | 9 | 2.44529 | 137.1735 | 8.06699 | 0 | 8.067 | 14.75 | 6.6057 | 0.0027 | 3 | 1 | 0.1312 | 3.0752 | 14.75002 |
| 128 | 92.8 | 7.08 | 5.18 | 7.62 | 92.8634 | 7.6241 | 9 | 2.59807 | 135.6441 | 8.13481 | 0 | 8.1348 | 10.416 | 8.3561 | 0.0044 | 3 | 1 | 0.1301 | 3.2561 | 10.41556 |
| 129 | 76.5 | 6.01 | 5.47 | 7.85 | 76.567 | 7.8493 | 9 | 2.65823 | 133.9746 | 8.20179 | 0 | 8.2018 | 8.3354 | 8.791 | 0.0058 | 3 | 1 | 0.129 | 3.3438 | 8.33539 |
| 130 | 42.3 | 3.05 | 5.68 | 7.2 | 42.3695 | 7.1986 | 3 | 2.79328 | 127.5684 | 8.26558 | 0 | 8.2656 | 4.126 | 8.9433 | 0.012 | 2 | 1 | 0.128 | 3.5866 | 4.12602 |
| 131 | 61.9 | 4.3 | 5.98 | 6.94 | 61.9732 | 6.9385 | 3 | 2.67334 | 131.0091 | 8.33108 | 0 | 8.3311 | 6.4388 | 8.0161 | 0.008 | 3 | 1 | 0.127 | 3.4049 | 6.43879 |
| 132 | 67.8 | 5.44 | 6.3 | 8.01 | 67.8771 | 8.0145 | 9 | 2.69736 | 132.9517 | 8.39756 | 0 | 8.3976 | 7.083 | 9.146 | 0.0076 | 3 | 1 | 0.126 | 3.409 | 7.08296 |
| 133 | 63.8 | 4.69 | 6.77 | 7.33 | 63.8829 | 7.3416 | 9 | 2.68398 | 131.7183 | 8.46342 | 0 | 8.4634 | 6.5481 | 8.4627 | 0.0088 | 3 | 1 | 0.125 | 3.4139 | 6.54812 |
| 134 | 109.7 | 7.9 | 7.29 | 7.2 | 109.789 | 7.1956 | 9 | 2.5354 | 136.8544 | 8.53185 | 0 | 8.5319 | 11.868 | 7.8019 | 0.0052 | 3 | 1 | 0.124 | 3.1938 | 11.86817 |
| 135 | 126.1 | 8.92 | 6.83 | 7.07 | 126.184 | 7.0691 | 9 | 2.49483 | 137.28 | 8.60049 | 0 | 8.6005 | 13.672 | 7.5861 | 0.0042 | 3 | 1 | 0.123 | 3.1398 | 13.67168 |
| 136 | 107 | 8.43 | 7.45 | 7.87 | 107.091 | 7.8718 | 9 | 2.57358 | 137.2688 | 8.66912 | 0 | 8.6691 | 11.353 | 8.5652 | 0.0055 | 3 | 1 | 0.1221 | 3.2351 | 11.35318 |
| 137 | 130 | 9.33 | 8.01 | 7.17 | 130.098 | 7.1715 | 9 | 2.49264 | 137.28 | 8.73776 | 0 | 8.7378 | 13.889 | 7.6879 | 0.0048 | 3 | 1 | 0.1211 | 3.1386 | 13.88918 |
| 138 | 118.1 | 9.09 | 8.15 | 7.69 | 118.2 | 7.6904 | 9 | 2.54103 | 137.28 | 8.8064 | 0 | 8.8064 | 12.422 | 8.3095 | 0.0054 | 3 | 1 | 0.1202 | 3.1972 | 12.42203 |
| 139 | 218.5 | 8.22 | 4.76 | 3.76 | 218.558 | 3.761 | 8 | 2.13473 | 137.28 | 8.87504 | 0 | 8.875 | 23.626 | 3.9202 | 0.0016 | 4 | 1 | 0.1192 | 2.772 | 23.62617 |
| 140 | 132 | 9.31 | -2.22 | 7.06 | 131.973 | 7.0545 | 9 | 2.48325 | 137.28 | 8.94368 | 0 | 8.9437 | 13.756 | 7.5673 | -0.001 | 3 | 1 | 0.1183 | 3.1371 | 13.75599 |
| 141 | 192.8 | 9.99 | -1.59 | 5.18 | 192.781 | 5.1821 | 9 | 2.28147 | 137.28 | 9.01232 | 0 | 9.0123 | 20.391 | 5.4362 | -6E-04 | 3 | 1 | 0.1174 | 2.914 | 20.39078 |
| 142 | 298.6 | 5.43 | -2.43 | 1.82 | 298.57 | 1.8187 | 6 | 1.79695 | 136.5511 | 9.0806 | 0 | 9.0806 | 31.88 | 1.8757 | -6E-04 | 5 | 1 | 0.1165 | 2.4691 | 31.88003 |
| 143 | 265.3 | 7.97 | -2.58 | 3.01 | 265.268 | 3.0045 | 8 | 2.00727 | 137.28 | 9.14924 | 0 | 9.1492 | 27.994 | 3.1118 | -7E-04 | 4 | 1 | 0.1157 | 2.6508 | 27.99351 |
| 144 | 290.1 | 6.88 | -2.14 | 2.37 | 290.074 | 2.3718 | 8 | 1.89983 | 137.28 | 9.21788 | 0 | 9.2179 | 30.469 | 2.4497 | -6E-04 | 4 | 1 | 0.1148 | 2.5562 | 30.46862 |
| 145 | 178.8 | 9.46 | -1.97 | 5.29 | 178.776 | 5.2915 | 9 | 2.30665 | 137.28 | 9.28652 | 0 | 9.2865 | 18.251 | 5.5815 | -8E-04 | 3 | 1 | 0.1139 | 2.9575 | 18.25113 |
| 146 | 112.9 | 7.75 | -1.81 | 6.86 | 112.878 | 6.8658 | 9 | 2.5118 | 136.7818 | 9.35491 | 0 | 9.3549 | 11.066 | 7.4863 | -0.001 | 3 | 1 | 0.1131 | 3.2049 | 11.06617 |
| 147 | 55.4 | 3.81 | -1.2 | 6.87 | 55.3853 | 6.8791 | 3 | 2.70183 | 129.8497 | 9.41983 | 0 | 9.4198 | 4.8797 | 8.2888 | -0.002 | 2 | 1 | 0.1123 | 3.5086 | 4.87965 |
| 148 | 63.7 | 3.47 | -1.41 | 5.44 | 63.6827 | 5.4489 | 4 | 2.58553 | 129.5062 | 9.48458 | 0 | 9.4846 | 5.7143 | 6.4024 | -0.002 | 3 | 1 | 0.1116 | 3.3862 | 5.71434 |
| 149 | 59.5 | 4.23 | -1.43 | 7.11 | 59.4825 | 7.1113 | 3 | 2.69293 | 130.7889 | 9.54998 | 0 | 9.55 | 5.2286 | 8.4714 | -0.002 | 2 | 1 | 0.1108 | 3.4907 | 5.22855 |
| 150 | 160.2 | 7.89 | -1.41 | 4.92 | 160.183 | 4.9256 | 9 | 2.30681 | 137.28 | 9.61862 | 0 | 9.6186 | 15.653 | 5.2403 | -7E-04 | 3 | 1 | 0.11 | 2.9897 | 15.6534 |
| 151 | 230.7 | 7.25 | -1.1 | 3.14 | 230.687 | 3.1428 | 8 | 2.05657 | 137.28 | 9.68726 | 0 | 9.6873 | 22.813 | 3.2806 | -4E-04 | 4 | 1 | 0.1092 | 2.7337 | 22.8134 |

Presented below is a list of formulas used for the estimation of various soil properties. The formulas are presented in SI unit system and assume that all components are expressed in the same units.

**:: Unit Weight, g (kN/m³) ::**

$$g = g_w \cdot \left( 0.27 \cdot \log(R_f) + 0.36 \cdot \log(\frac{q_t}{p_a}) + 1.236 \right)$$

where $g_w$ = water unit weight

**:: Permeability, k (m/s) ::**

$I_c < 3.27$ and $I_c > 1.00$ then $k = 10^{0.952-3.04 \cdot I_c}$

$I_c \leq 4.00$ and $I_c > 3.27$ then $k = 10^{-4.52-1.37 \cdot I_c}$

**:: $N_{SPT}$ (blows per 30 cm) ::**

$$N_{60} = \left( \frac{q_c}{P_a} \right) \cdot \frac{1}{10^{1.1268-0.2817 \cdot I_c}}$$

$$N_{1(60)} = Q_{tn} \cdot \frac{1}{10^{1.1268-0.2817 \cdot I_c}}$$

**:: Young's Modulus, Es (MPa) ::**

$(q_t - \sigma_v) \cdot 0.015 \cdot 10^{0.55 \cdot I_c + 1.68}$

(applicable only to $I_c < I_{c\_cutoff}$)

**:: Relative Density, Dr (%) ::**

$100 \cdot \sqrt{\frac{Q_{tn}}{k_{DR}}}$ (applicable only to $SBT_n$: 5, 6, 7 and 8 or $I_c < I_{c\_cutoff}$)

**:: State Parameter, ψ ::**

$\psi = 0.56 - 0.33 \cdot \log(Q_{tn,cs})$

**:: Peak drained friction angle, φ (°) ::**

$\varphi = 17.60 + 11 \cdot \log(Q_{tn})$

(applicable only to $SBT_n$: 5, 6, 7 and 8)

**:: 1-D constrained modulus, M (MPa) ::**

If $I_c > 2.20$

$\alpha = 14$ for $Q_{tn} > 14$

$\alpha = Q_{tn}$ for $Q_{tn} \leq 14$

$M_{CPT} = \alpha \cdot (q_t - \sigma_v)$

If $I_c \leq 2.20$

$M_{CPT} = (q_t - \sigma_v) \cdot 0.0188 \cdot 10^{0.55 \cdot I_c + 1.68}$

**:: Small strain shear Modulus, Go (MPa) ::**

$G_0 = (q_t - \sigma_v) \cdot 0.0188 \cdot 10^{0.55 \cdot I_c + 1.68}$

**:: Shear Wave Velocity, Vs (m/s) ::**

$$V_s = \left( \frac{G_0}{\rho} \right)^{0.50}$$

**:: Undrained peak shear strength, Su (kPa) ::**

$N_{kt} = 10.50 + 7 \cdot \log(F_r)$ or user defined

$$S_u = \frac{(q_t - \sigma_v)}{N_{kt}}$$

(applicable only to $SBT_n$: 1, 2, 3, 4 and 9 or $I_c > I_{c\_cutoff}$)

**:: Remolded undrained shear strength, Su(rem) (kPa) ::**

$S_{u(rem)} = f_s$ (applicable only to $SBT_n$: 1, 2, 3, 4 and 9 or $I_c > I_{c\_cutoff}$)

**:: Overconsolidation Ratio, OCR ::**

$$k_{OCR} = \left[ \frac{Q_{tn}^{0.20}}{0.25 \cdot (10.50 \cdot +7 \cdot \log(F_r))} \right]^{1.25}$$ or user defined

$OCR = k_{OCR} \cdot Q_{tn}$

(applicable only to $SBT_n$: 1, 2, 3, 4 and 9 or $I_c > I_{c\_cutoff}$)

**:: In situ Stress Ratio, Ko ::**

$K_O = (1 - \sin\varphi') \cdot OCR^{\sin\varphi'}$

(applicable only to $SBT_n$: 1, 2, 3, 4 and 9 or $I_c > I_{c\_cutoff}$)

**:: Soil Sensitivity, $S_t$ ::**

$$S_t = \frac{N_S}{F_r}$$

(applicable only to $SBT_n$: 1, 2, 3, 4 and 9 or $I_c > I_{c\_cutoff}$)

**:: Effective Stress Friction Angle, φ' (°) ::**

$\varphi' = 29.5° \cdot B_q^{0.121} \cdot (0.256 + 0.336 \cdot B_q + \log Q_t)$

(applicable for $0.10 < B_q < 1.00$)

**References**


• Robertson, P.K., Cabal K.L., Guide to Cone Penetration Testing for Geotechnical Engineering, Gregg Drilling & Testing, Inc., 5th Edition, November 2012

• Robertson, P.K., Interpretation of Cone Penetration Tests - a unified approach., Can. Geotech. J. 46(11): 1337–1355 (2009)

**APPENDIX C**
**LABORATORY TEST RESULTS**

# SUMMARY OF LABORATORY TEST RESULTS

***Client:*** Golder Associates Inc.
***Project Name:*** Townscope Sunset
***Project No.:*** 123-92034

***HAI Project No:*** GLDL-13-003
***Performed by:*** JT
***Date:*** 3/7/2013

| Boring No. | Sample No. | Depth (ft) | In-situ Moisture Content (%) | In-situ Dry Density (pcf) | Modified Proctor (ASTM D1557) | | R Value (CTM 301) | Particle-size Analysis of Soils (ASTM D422) (Percent Passing) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Optimum Moisture Content (%) | Maximum Dry Density (pcf) | | 1 1/2 " | 3/4 " | 3/8 " | # 4 | # 10 | # 20 | # 40 | # 60 | # 100 | # 200 |
| B-101 | Bulk 1 | 11.5-15 | | | | | | 100.0 | 98.5 | 96.8 | 92.6 | 77.4 | 51.9 | 34.5 | 24.1 | 17.5 | 11.7 |
| | Bulk 2 | 26.5-30 | | | 7.8 | 136.0 | 71 | | 100.0 | 99.4 | 95.1 | 79.8 | 59.4 | 44.9 | 35.9 | 29.4 | 22.1 |
| | MC-1 | 30 | 5.4 | 117.3 | | | | | | 100.0 | 97.5 | 83.8 | 59.6 | 38.4 | 25.0 | 17.0 | 10.6 |
| | MC-2 | 40 | 10.2 | 124.1 | | | | | 100.0 | 99.1 | 96.2 | 82.2 | 64.0 | 50.2 | 40.8 | 32.5 | 25.0 |
| B-102 | S-1 | 5 | | | | | | | 100.0 | 89.2 | 82.8 | 64.5 | 39.5 | 23.4 | 15.1 | 10.6 | 6.8 |
| | S-5 | 25 | | | | | | | 100.0 | 98.6 | 95.9 | 77.4 | 53.7 | 37.5 | 26.9 | 18.8 | 11.1 |
| | MC-1 | 30 | 3.7 | 111.8 | | | | | 100.0 | 98.2 | 94.6 | 73.8 | 42.9 | 24.6 | 14.9 | 9.4 | 5.4 |
| | S-7 | 40 | | | | | | | | 100.0 | 99.0 | 86.7 | 57.6 | 32.2 | 18.6 | 11.8 | 7.4 |
| B-103 | S-2 | 10 | | | | | | | | 100.0 | 97.5 | 82.0 | 56.2 | 37.1 | 25.2 | 18.1 | 12.0 |
| | S-3 | 15 | | | | | | | 100.0 | 99.7 | 98.5 | 87.6 | 71.0 | 57.6 | 46.7 | 37.4 | 25.6 |
| | MC-1 | 20 | 4.0 | 109.2 | | | | | 100.0 | 99.5 | 98.2 | 82.7 | 57.3 | 35.2 | 20.4 | 11.9 | 6.5 |
| B-104 | Bulk 1 | 21.5-25 | | | 7.0 | 134.1 | 63 | 100.0 | 99.3 | 98.3 | 93.2 | 67.7 | 43.9 | 29.9 | 21.6 | 16.0 | 11.1 |
| | S-7 | 40 | | | | | | | 100.0 | 98.6 | 95.7 | 80.0 | 63.6 | 51.9 | 41.7 | 33.2 | 23.1 |

HUSHMAND ASSOCIATES, INC.
Geotechnical and Earthquake Engineers

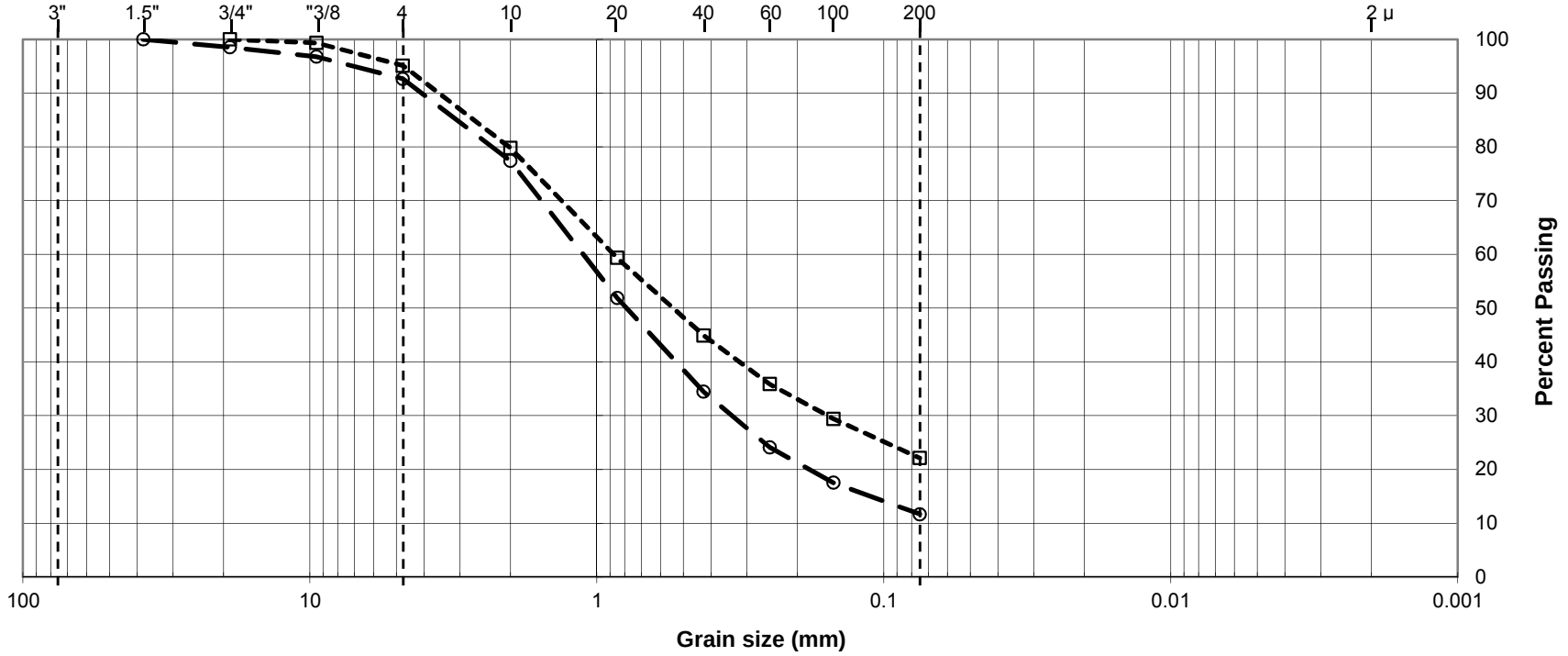
# PARTICLE-SIZE ANALYSIS OF SOILS
**(ASTM D422)**

***Client:*** Golder Associates Inc.
***Project Name:*** Townscope Sunset
***Project No.:*** 123-92034

***HAI Project No.:*** GLDL-13-003
***Tested by:*** KL/PM
***Checked by:*** JT
***Date:*** 3/5/2013

| COBBLES | GRAVEL | | SAND | | | SILT AND CLAY |
|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | |

***U.S. STANDARD SIEVE SIZES***




| Boring No. | Sample No. | Depth (ft) | Symbol | USCS | % Gravel | % Sand | % Fines |
|---|---|---|---|---|---|---|---|
| B-101 | Bulk 1 | 11.5-15 | ○ | Brown, Well-Graded Sand with Silt (SW-SM) | 7.4 | 81.0 | 11.7 |
| | Bulk 2 | 26.5-30 | □ | Brown, Silty Sand (SM) | 4.9 | 73.0 | 22.1 |

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# PARTICLE-SIZE ANALYSIS OF SOILS
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***Tested by:*** KL/PM
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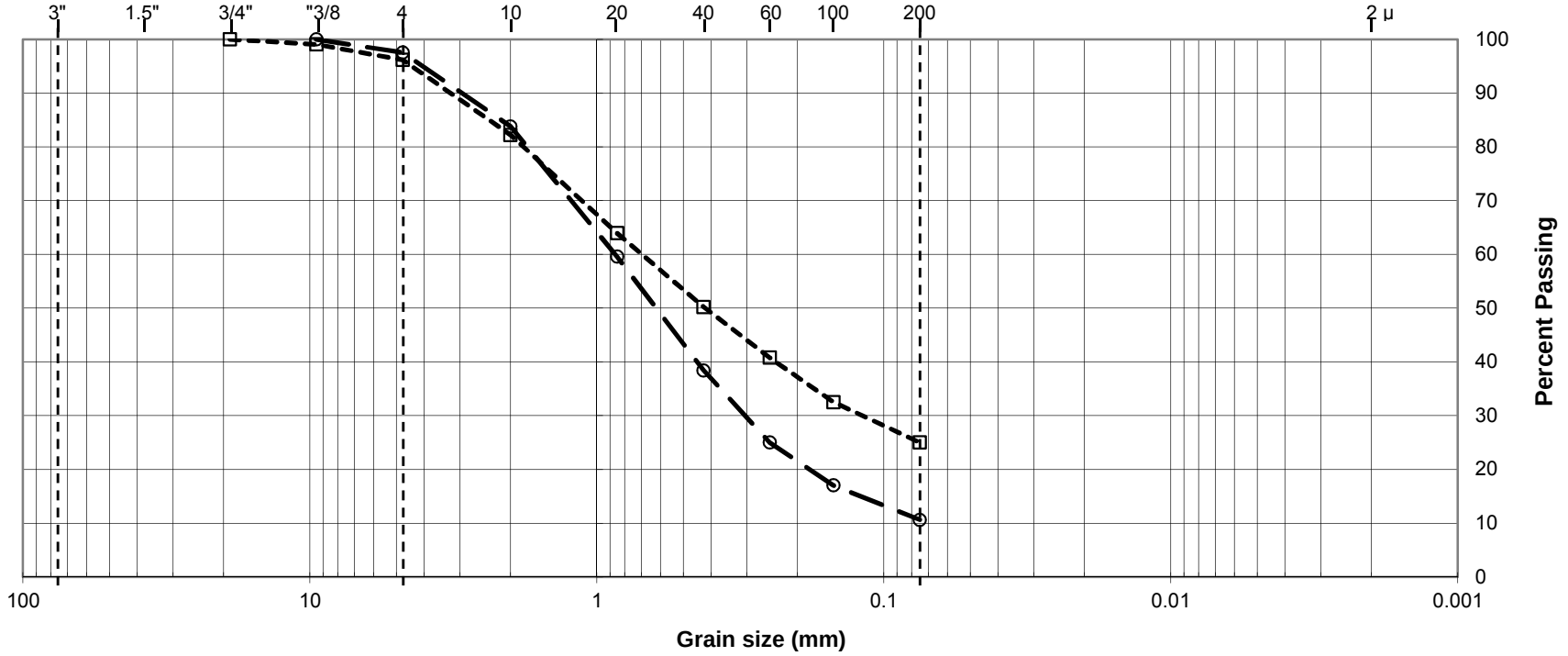
***Date:*** 3/5/2013

| COBBLES | GRAVEL | | SAND | | | SILT AND CLAY |
|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | |

## U.S. STANDARD SIEVE SIZES




| Boring No. | Sample No. | Depth (ft) | Symbol | USCS | % Gravel | % Sand | % Fines |
|---|---|---|---|---|---|---|---|
| B-101 | MC-1 | 30 | ○ | Brown, Well-Graded Sand with Silt (SW-SM) | 2.5 | 86.9 | 10.6 |
| | MC-2 | 40 | □ | Brown, Clayey Sand (SC) | 3.8 | 71.2 | 25.0 |

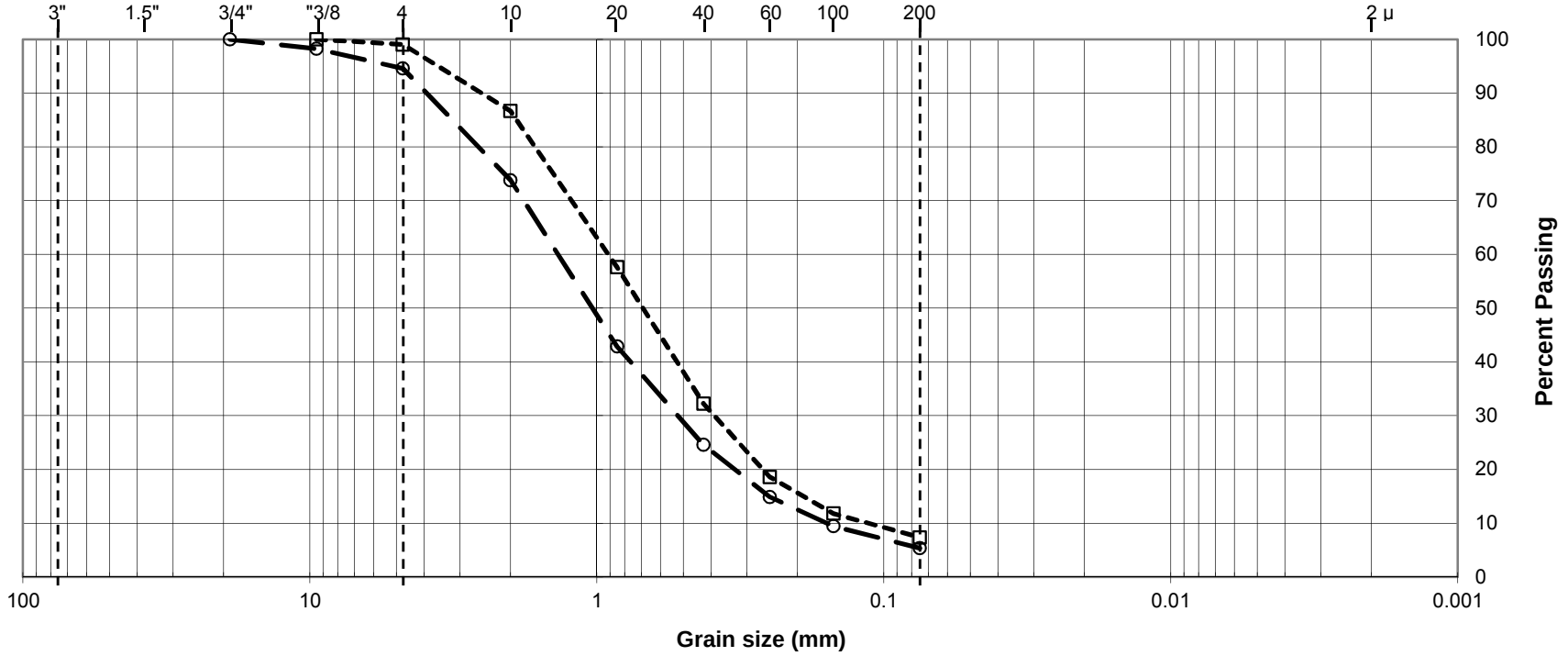
HUSHMAND ASSOCIATES, INC.
Geotechnical and Earthquake Engineers

# PARTICLE-SIZE ANALYSIS OF SOILS
**(ASTM D422)**

| | | | |
|---|---|---|---|
| ***Client:*** | Golder Associates Inc. | ***HAI Project No.:*** | GLDL-13-003 |
| ***Project Name:*** | Townscope Sunset | ***Tested by:*** | KL/PM |
| ***Project No.:*** | 123-92034 | ***Checked by:*** | JT |
| | | ***Date:*** | 3/5/2013 |

| COBBLES | GRAVEL | | SAND | | | SILT AND CLAY |
|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | |

## U.S. STANDARD SIEVE SIZES




| Boring No. | Sample No. | Depth (ft) | Symbol | USCS | % Gravel | % Sand | % Fines |
|---|---|---|---|---|---|---|---|
| B-102 | MC-1 | 30 | ○ | Brown, Well-Graded Sand with Silt (SW-SM) | 5.4 | 89.2 | 5.4 |
| | S-7 | 40 | □ | Brown, Well-Graded Sand with Silt (SW-SM) | 1.0 | 91.7 | 7.4 |

HUSHMAND ASSOCIATES, INC.
Geotechnical and Earthquake Engineers

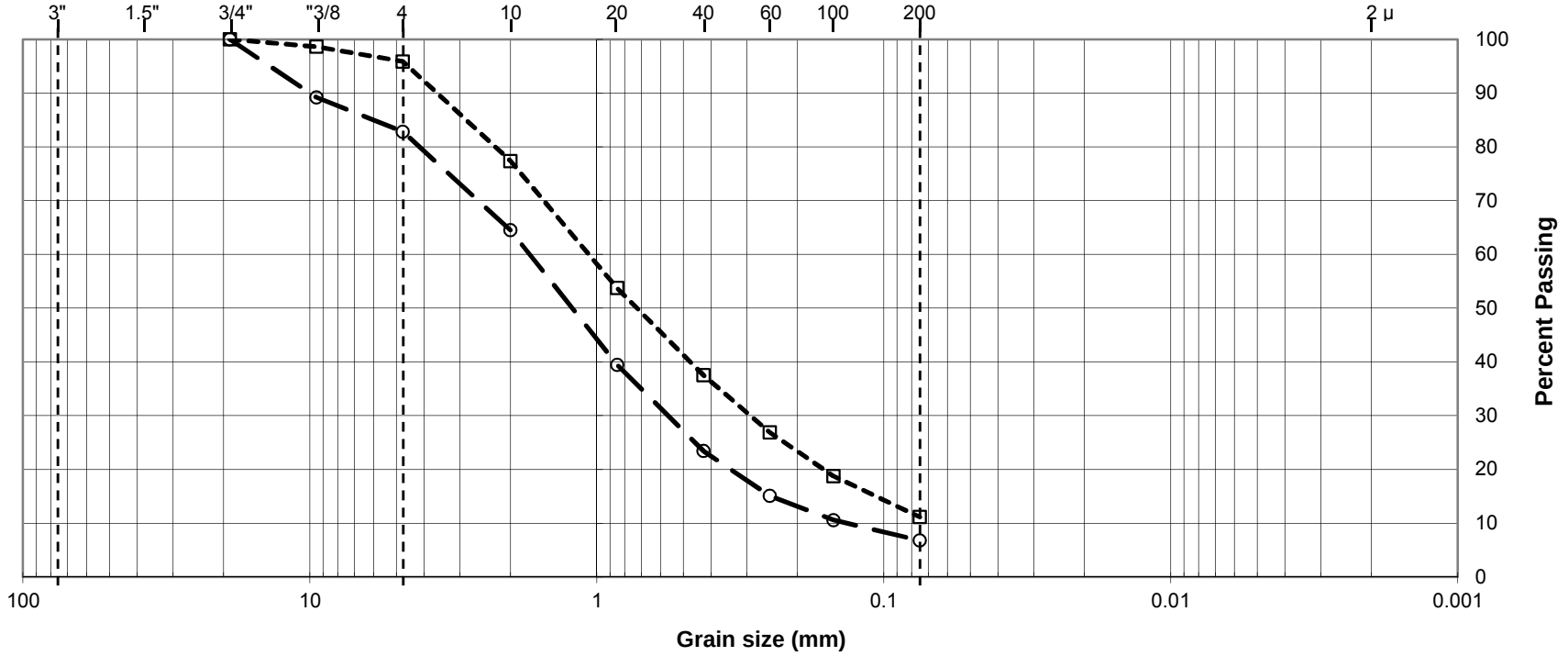
# PARTICLE-SIZE ANALYSIS OF SOILS
**(ASTM D422)**

***Client:*** Golder Associates Inc.
***Project Name:*** Townscope Sunset
***Project No.:*** 123-92034

***HAI Project No.:*** GLDL-13-003
***Tested by:*** KL/PM
***Checked by:*** JT
***Date:*** 3/5/2013

| COBBLES | GRAVEL | | SAND | | | SILT AND CLAY |
|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | |

***U.S. STANDARD SIEVE SIZES***




| Boring No. | Sample No. | Depth (ft) | Symbol | USCS | % Gravel | % Sand | % Fines |
|---|---|---|---|---|---|---|---|
| B-102 | S-1 | 5 | ○ | Brown, Well-Graded Sand with Silt and Gravel (SW-SM) | 17.2 | 76.1 | 6.8 |
| | S-5 | 25 | □ | Brown, Well-Graded Sand with Silt (SW-SM) | 4.1 | 84.7 | 11.1 |

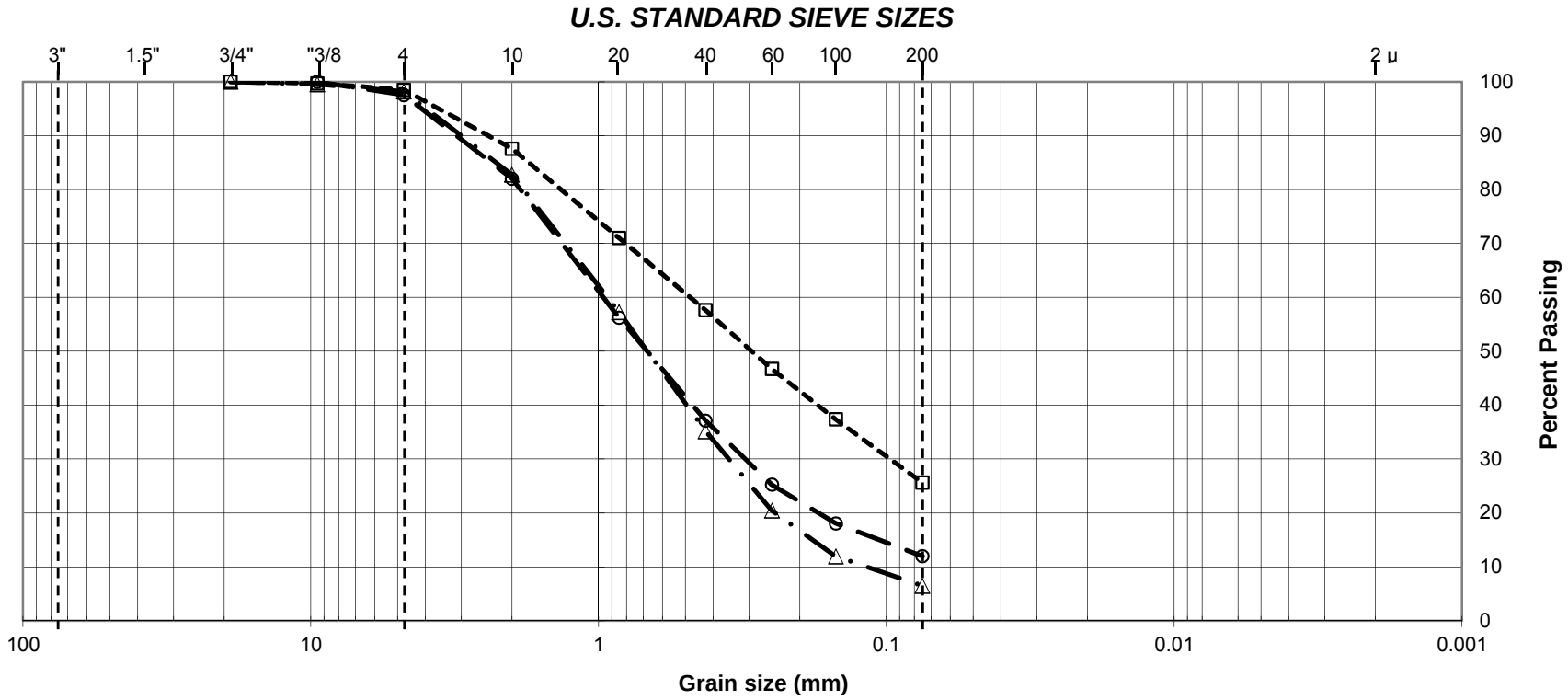
HUSHMAND ASSOCIATES, INC.
Geotechnical and Earthquake Engineers

# PARTICLE-SIZE ANALYSIS OF SOILS
**(ASTM D422)**

***Client:*** Golder Associates Inc.
***Project Name:*** Townscope Sunset
***Project No.:*** 123-92034

***HAI Project No.:*** GLDL-13-003
***Tested by:*** KL/PM
***Checked by:*** JT
***Date:*** 3/5/2013

| COBBLES | GRAVEL | | SAND | | | SILT AND CLAY |
|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | |




| Boring No. | Sample No. | Depth (ft) | Symbol | USCS | % Gravel | % Sand | % Fines |
|---|---|---|---|---|---|---|---|
| B-103 | S-2 | 10 | ○ | Brown, Silty Sand (SM) | 2.5 | 85.5 | 12.0 |
| | S-3 | 15 | □ | Brown, Clayey Sand (SC) | 1.5 | 72.9 | 25.6 |
| | MC-1 | 20 | △ | Brown, Well-Graded Sand with Silt (SW-SM) | 1.8 | 91.7 | 6.5 |

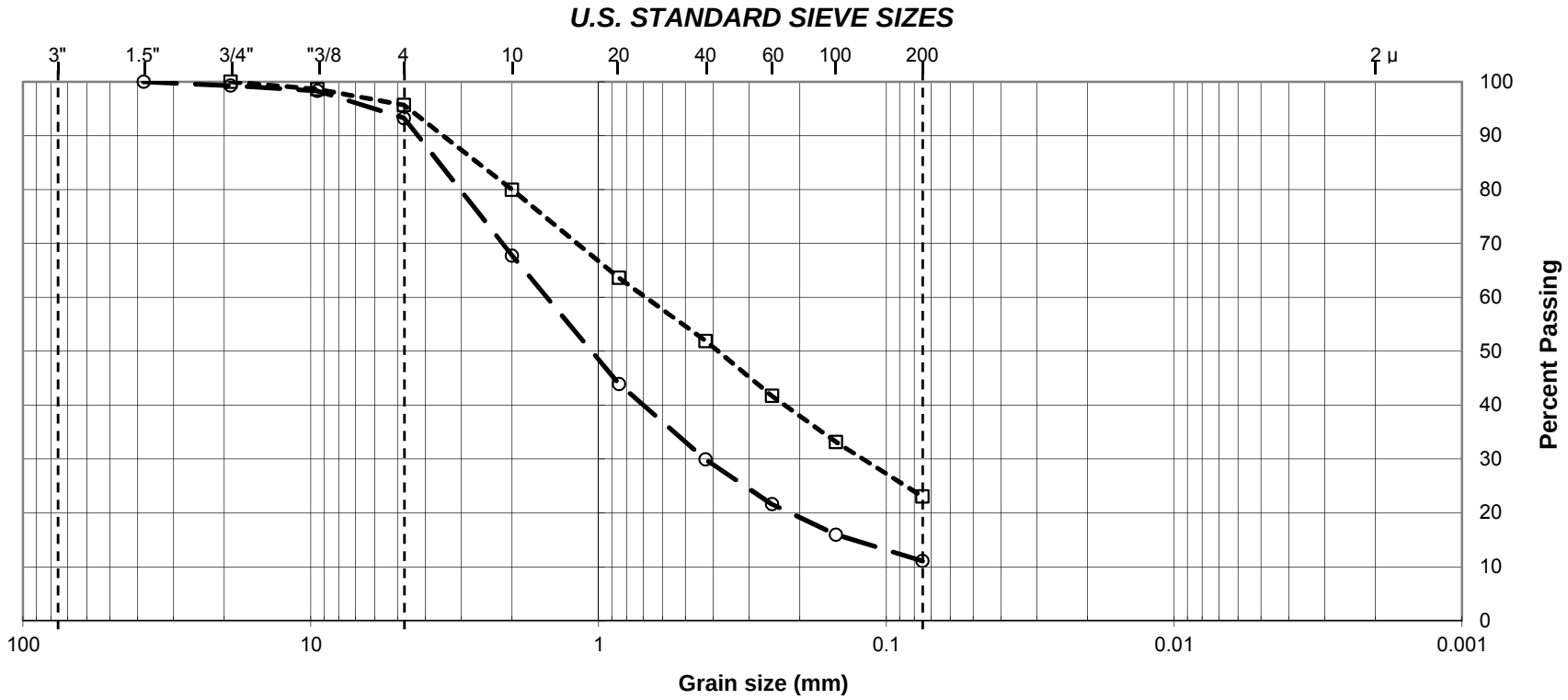
HUSHMAND ASSOCIATES, INC.
Geotechnical and Earthquake Engineers

# PARTICLE-SIZE ANALYSIS OF SOILS
**(ASTM D422)**

***Client:*** Golder Associates Inc.
***Project Name:*** Townscope Sunset
***Project No.:*** 123-92034

***HAI Project No.:*** GLDL-13-003
***Tested by:*** KL/PM
***Checked by:*** JT
***Date:*** 3/5/2013

| COBBLES | GRAVEL | | SAND | | | SILT AND CLAY |
|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | |




| Boring No. | Sample No. | Depth (ft) | Symbol | USCS | % Gravel | % Sand | % Fines |
|---|---|---|---|---|---|---|---|
| B-104 | Bulk 1 | 21.5-25 | ○ | Brown, Well-Graded Sand with Silt (SW-SM) | 6.8 | 82.1 | 11.1 |
| | S-7 | 40 | □ | Brown, Silty Sand (SM) | 4.3 | 72.6 | 23.1 |

# MOISTURE CONTENT AND DRY DENSITY OF RING SAMPLES

***Client:*** Golder Associates Inc.
***Project Name:*** Townscope Sunset
***Project No.:*** 123-92034

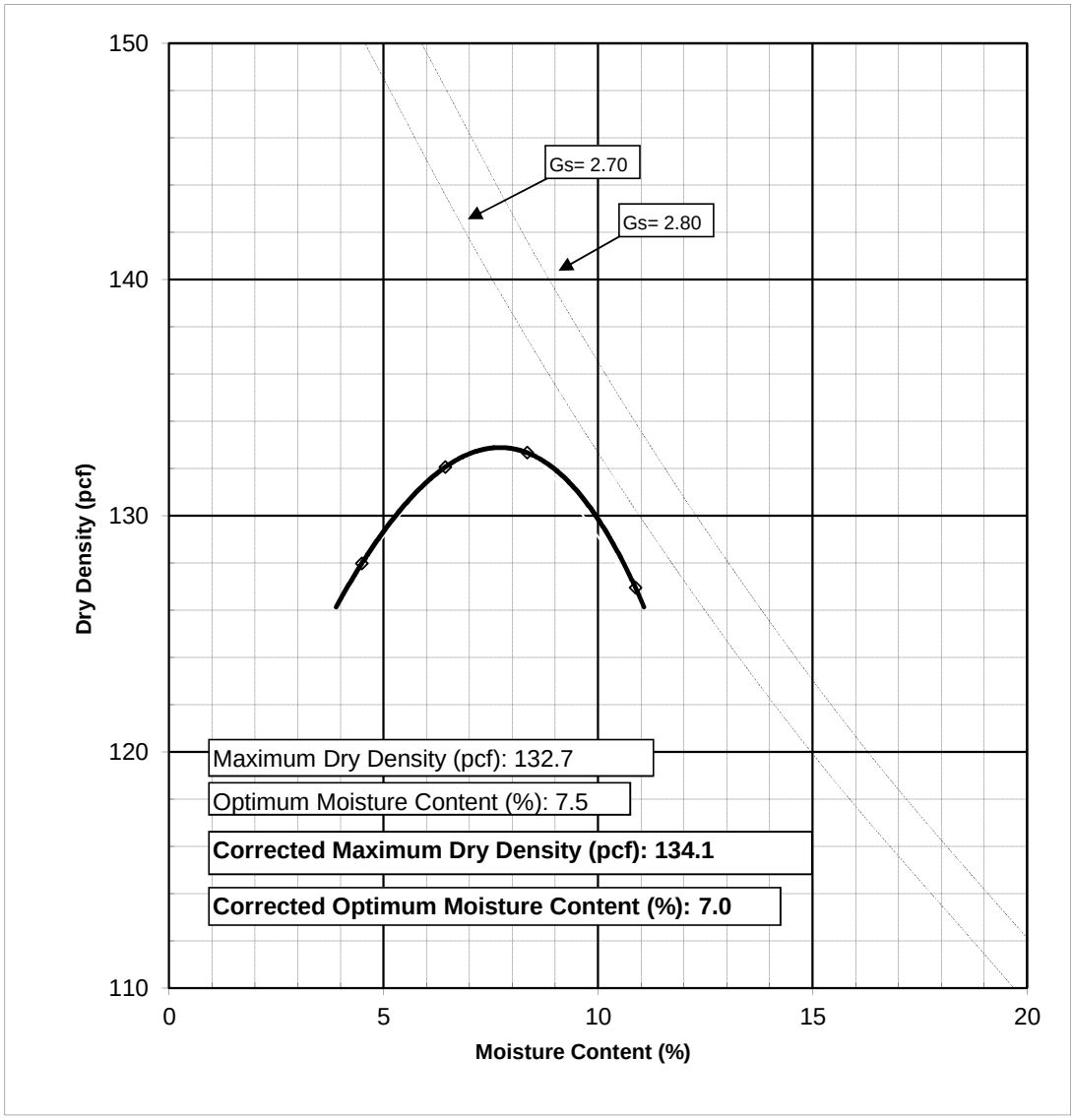
***HAI Project No.:*** GLDL-13-003
***Performed by:*** KL/PM
***Checked by:*** JT
***Date:*** 3/5/2013

| **Boring No.** | | **B-101** | | **B-102** | **B-103** |
|---|---|---|---|---|---|
| **Sample No.** | | **MC-1** | **MC-2** | **MC-1** | **MC-1** |
| **Depth (ft)** | | **30** | **40** | **30** | **20** |
| Total wt of rings and soil | gr | 581.20 | 1257.39 | 922.91 | 908.86 |
| Height of sample | in | 3 | 6 | 5 | 5 |
| Diameter of sample | in | 2.416 | 2.416 | 2.416 | 2.416 |
| Volume of sample | cu.ft | 0.0080 | 0.0159 | 0.0133 | 0.0133 |
| Weight of rings | gr | 135.09 | 270.19 | 225.15 | 225.15 |
| Weight of soil | lbs. | 0.983 | 2.176 | 1.538 | 1.507 |
| Wet Density | pcf | 123.6 | 136.7 | 116.0 | 113.6 |
| Container No. | | 84 | 85 | 88 | 92 |
| Weight of cont.+ wet soil | gr | 390.94 | 549.91 | 407.83 | 414.85 |
| Weight of cont.+ dry soil | gr | 371.39 | 499.84 | 393.50 | 399.06 |
| Weight of container | gr | 8.37 | 8.45 | 8.36 | 8.30 |
| Weight of water | gr | 19.55 | 50.07 | 14.33 | 15.79 |
| Weight of dry soil | gr | 363.02 | 491.39 | 385.14 | 390.76 |
| **Moisture Content** | **%** | **5.4** | **10.2** | **3.7** | **4.0** |
| **Dry Density** | **pcf** | **117.3** | **124.1** | **111.8** | **109.2** |

HUSHMAND ASSOCIATES, INC.
Geotechnical and Earthquake Engineers

# COMPACTION CURVE
# (ASTM D1557)

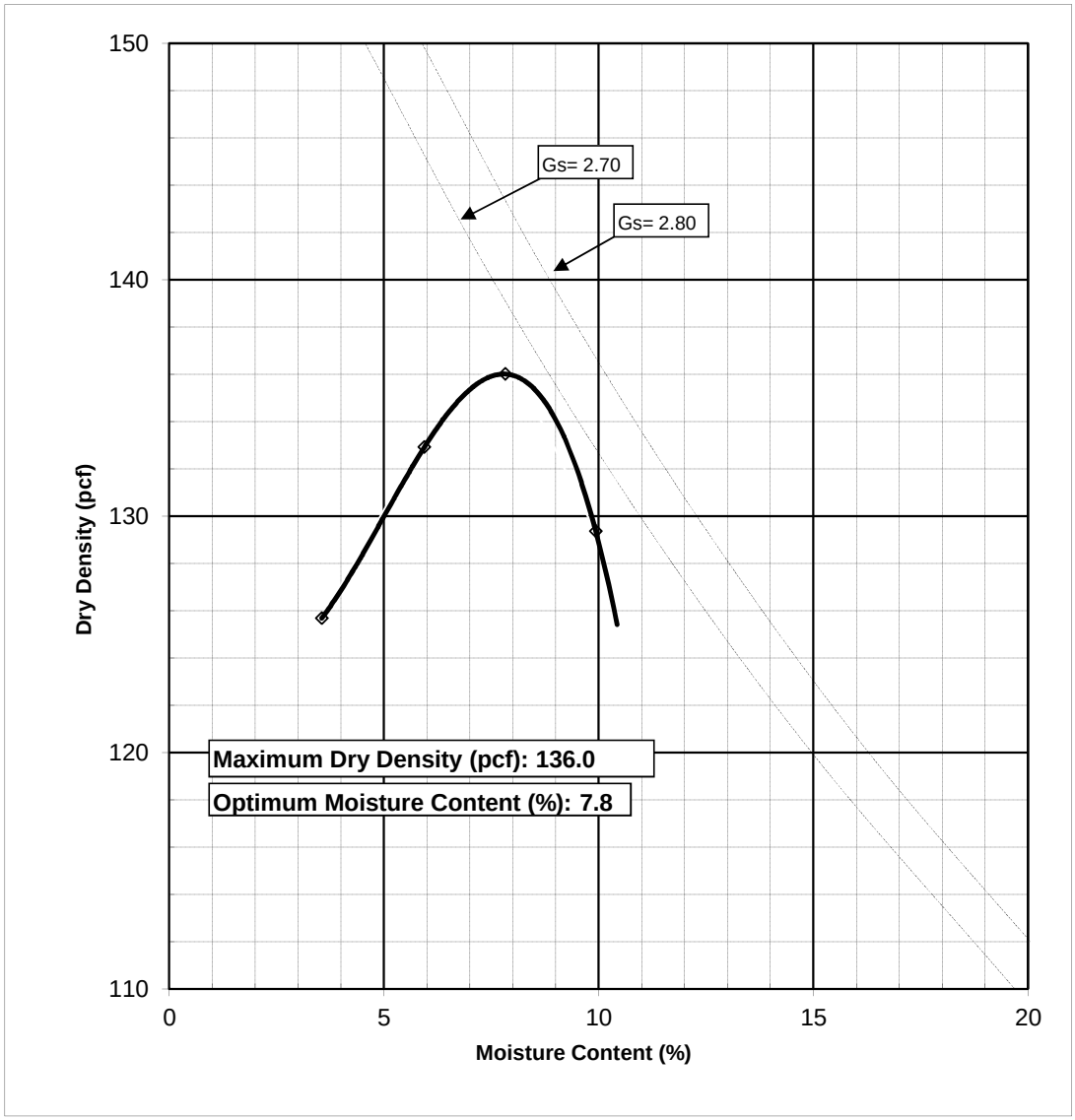
| | | | |
|---|---|---|---|
| ***Client :*** | Golder Associates Inc. | ***HAI Project No.:*** | GLDL-13-003 |
| ***Project Name:*** | Townscope Sunset | ***Tested by:*** | KL/PM |
| ***Project No.:*** | 123-92034 | ***Checked by:*** | JT |
| ***Boring No:*** | **B-104** | ***Date:*** | 3/5/2013 |
| ***Sample No.:*** | **Bulk 1** ***Depth:*** **21.5-25'** | ***Mold size:*** | 4 in |
| ***Soil Description:*** | Brown, Well-Graded Sand with Silt (SW-SM) | ***Procedure:*** | A |
| | | ***% Ret. on # 4:*** | 6.8 |



HUSHMAND ASSOCIATES, INC.
Geotechnical and Earthquake Engineers

# COMPACTION CURVE
# (ASTM D1557)

| | | | | | |
|---|---|---|---|---|---|
| ***Client :*** | Golder Associates Inc. | | | ***HAI Project No.:*** | GLDL-13-003 |
| ***Project Name:*** | Townscope Sunset | | | ***Tested by:*** | KL/PM |
| ***Project No.:*** | 123-92034 | | | ***Checked by:*** | JT |
| ***Boring No:*** | **B-101** | | | ***Date:*** | 3/5/2013 |
| ***Sample No.:*** | **Bulk 2** | ***Depth:*** | **26.5-30'** | ***Mold size:*** | 4 in |
| ***Soil Description:*** | Brown, Silty Sand (SM) | | | ***Procedure:*** | A |
| | | | | ***% Ret. on # 4:*** | 4.9 |



• ANALYSIS
• DESIGN

LaBelle • Marvin

• SOILS, ASPHALT TECHNOLOGY

PROFESSIONAL PAVEMENT ENGINEERING
A CALIFORNIA CORPORATION

*March 1, 2013*

**Mr. Peter Moore**
**Hushmand Associates**
250 Goddard
Irvine, California 92618

*Fax: (949) 777-1276*
*Project No. 38571*

*Dear Mr. Moore:*

Testing of the bulk soil samples delivered to our laboratory on 2/27/2013 has been completed.

| | |
|---|---|
| ***Reference:*** | ***GLDL-13-003*** |
| ***Project Name:*** | ***GOLDER- Townscape Sunset*** |
| ***Sample:*** | ***B-101 @ 26.5"- 30.0" (T.I. 4.0)*** |
| | ***B-104 @ 21.5"- 25.0" (T.I. 4.0)*** |

Data sheets are attached for your use and file. Any untested portion of the sample will be retained for a period of 60 days prior to disposal. The opportunity to be of service is sincerely appreciated and should you have any questions, kindly call.

***Respectfully Submitted,***


***Steven R. Marvin***
***RCE 30659***

*SRM:tw*

2700 S. GRAND AVENUE • SANTA ANA, CA 92705-5404 • (714) 546-3468 • FAX (714) 546-5841
INFO@LABELLEMARVIN.COM

# R - VALUE DATA SHEET

P.N. GLDL-13-003
Golder Townscape

PROJECT NUMBER 38571 BORING NUMBER: B-101 @ 26.5"-30.0"

SAMPLE DESCRIPTION: Brown Silty Sand

| Item | SPECIMEN | | |
|---|---|---|---|
| | a | b | c |
| Mold Number | 1 | 3 | 4 |
| Water added, grams | 75 | 100 | 86 |
| Initial Test Water, % | 8.5 | 10.6 | 9.4 |
| Compact Gage Pressure,psi | 350 | 95 | 230 |
| Exudation Pressure, psi | 623 | 209 | 361 |
| Height Sample, Inches | 2.62 | 2.59 | 2.58 |
| Gross Weight Mold, grams | 3155 | 3162 | 3153 |
| Tare Weight Mold, grams | 1965 | 1977 | 1977 |
| Sample Wet Weight, grams | 1190 | 1185 | 1176 |
| Expansion, Inches x 10exp-4 | 10 | 4 | 5 |
| Stability 2,000 lbs (160psi) | 14 / 26 | 16 / 29 | 15 / 27 |
| Turns Displacement | 4.74 | 5.45 | 5.40 |
| R-Value Uncorrected | 73 | 67 | 70 |
| R-Value Corrected | 75 | 69 | 72 |
| Dry Density, pcf | 126.8 | 125.3 | 126.2 |
| | DESIGN CALCULATION DATA | | |
| Traffic Index Assumed: | 4.0 | 4.0 | 4.0 |
| G.E. by Stability | 0.26 | 0.32 | 0.29 |
| G. E. by Expansion | 0.33 | 0.13 | 0.17 |

**Equilibrium R-Value** 71 by EXUDATION

Examined & Checked: 3 /1/ 13

REMARKS:
Gf = 1.25
0.0% Retained on the 3/4" Sieve.

REGISTERED PROFESSIONAL ENGINEER STEVEN R. MARVIN C 30659 STATE OF CALIFORNIA

Steven R. Marvin, RCE 30659

The data above is based upon processing and testing samples as received from the field. Test procedures in accordance with latest revisions to Department of Transportation, State of California, Materials & Research Test Method No. 301.

LaBelle • Marvin

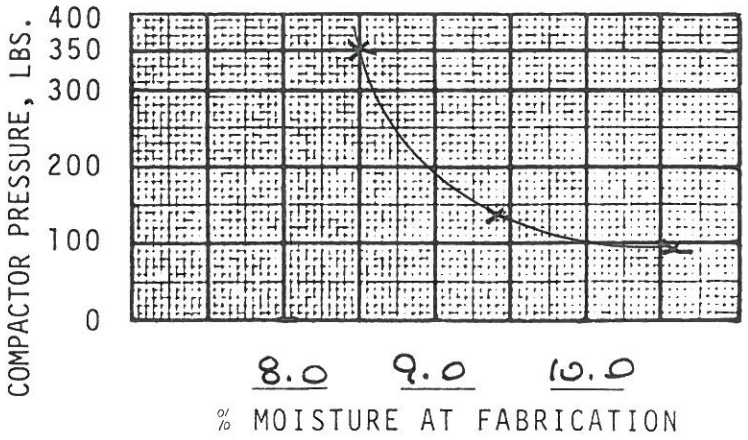
# R-VALUE GRAPHICAL PRESENTATION

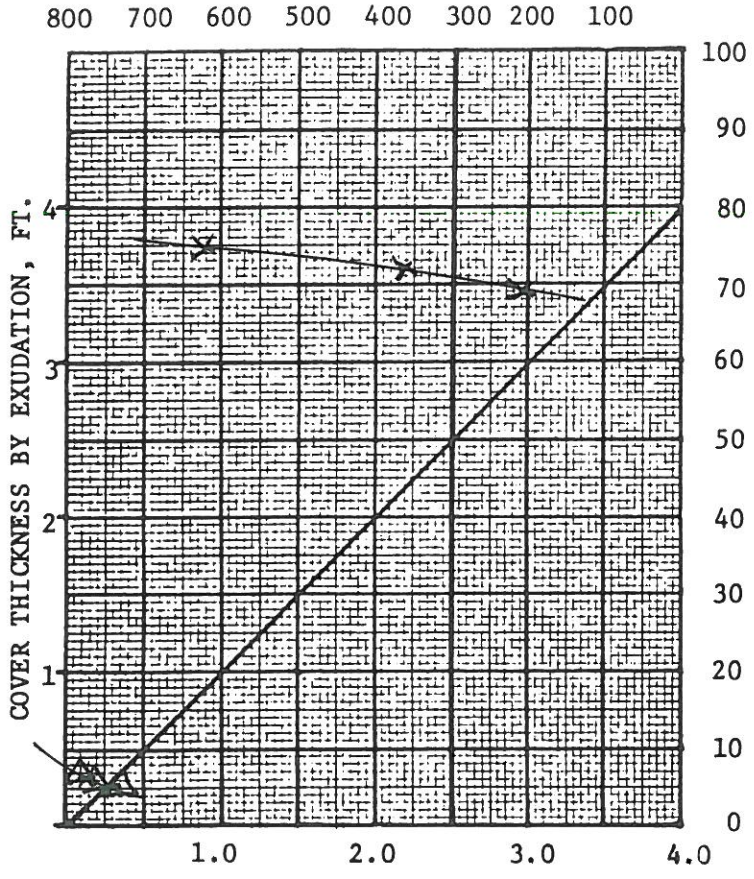
PROJECT NO. 38571
P.N. GLDL-13-003
BORING NO. B-101 @ 26.5"-30.0"
Golder - Townscape Sunset
DATE 3/1/13

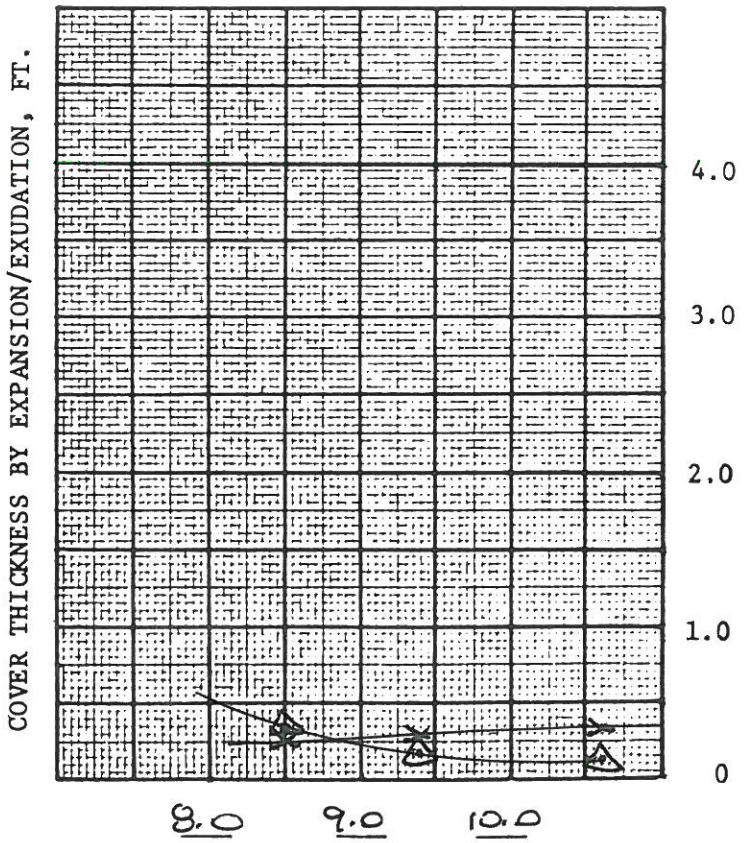
TRAFFIC INDEX Assume 4.0

R-VALUE BY EXUDATION 71

R-VALUE BY EXPANSION [illegible]




R-VALUE vs. EXUD. PRES.
T by EXUDATION
EXUD. T vs. EXPAN. T
T by EXPANSION

REMARKS

GF=1.25

LaBelle • Marvin
PROFESSIONAL PAVEMENT ENGINEERING

# R - VALUE DATA SHEET

P.N. GLDL-13-003
Golder Townscape

PROJECT NUMBER 38571 BORING NUMBER: B-104 @ 21.5"-25.0"

SAMPLE DESCRIPTION: Brown Sandy Silt

| Item | SPECIMEN | | |
|---|---|---|---|
| | a | b | c |
| Mold Number | 7 | 8 | 9 |
| Water added, grams | 80 | 60 | 51 |
| Initial Test Water, % | 9.9 | 8.2 | 7.4 |
| Compact Gage Pressure,psi | 60 | 165 | 240 |
| Exudation Pressure, psi | 179 | 370 | 772 |
| Height Sample, Inches | 2.64 | 2.62 | 2.49 |
| Gross Weight Mold, grams | 3184 | 3180 | 2951 |
| Tare Weight Mold, grams | 1968 | 1964 | 1789 |
| Sample Wet Weight, grams | 1216 | 1216 | 1162 |
| Expansion, Inches x 10exp-4 | 9 | 14 | 24 |
| Stability 2,000 lbs (160psi) | 33 / 71 | 18 / 37 | 15 / 25 |
| Turns Displacement | 4.73 | 4.30 | 4.01 |
| R-Value Uncorrected | 40 | 66 | 77 |
| R-Value Corrected | 44 | 69 | 77 |
| Dry Density, pcf | 127.0 | 130.0 | 131.7 |
| DESIGN CALCULATION DATA | | | |
| Traffic Index Assumed: | 4.0 | 4.0 | 4.0 |
| G.E. by Stability | 0.57 | 0.32 | 0.24 |
| G. E. by Expansion | 0.30 | 0.47 | 0.80 |

**Equilibrium R-Value** **63** by EXUDATION

Examined & Checked: 3 /1/ 13

REMARKS:
Gf = 1.25
0.0% Retained on the 3/4" Sieve.

REGISTERED PROFESSIONAL ENGINEER STEVEN R. MARVIN C 30659 CIVIL STATE OF CALIFORNIA

Steven R. Marvin, RCE 30659

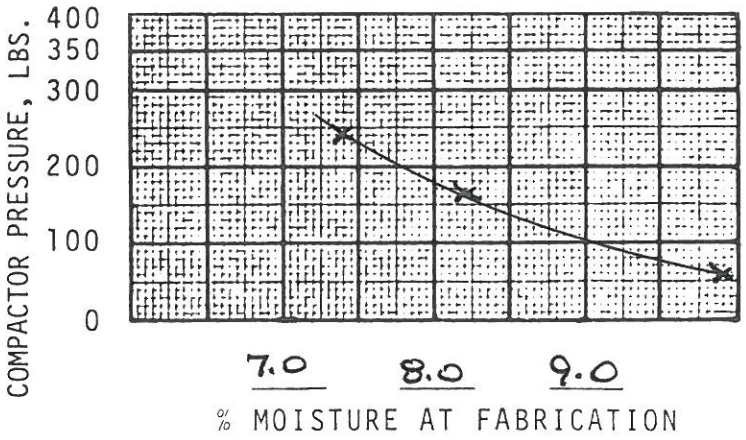
The data above is based upon processing and testing samples as received from the field. Test procedures in accordance with latest revisions to Department of Transportation, State of California, Materials & Research Test Method No. 301.

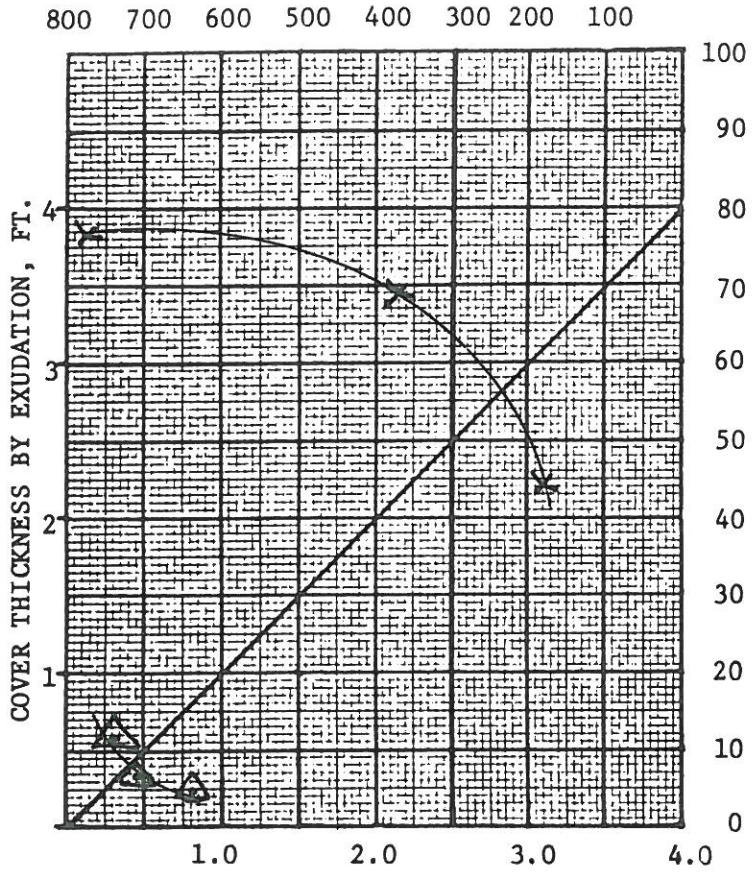
LaBelle • Marvin

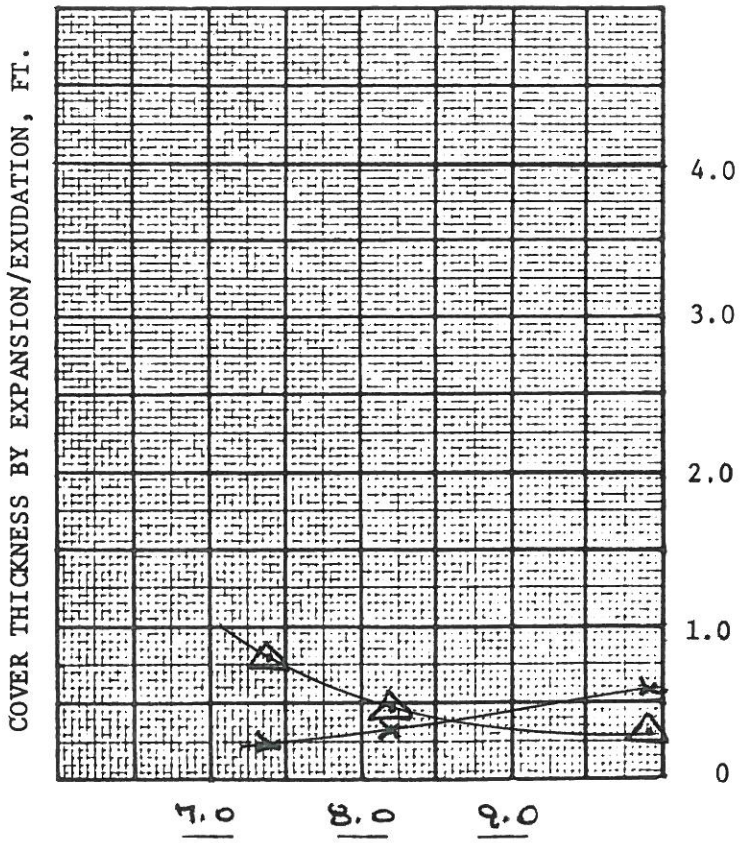
# R-VALUE GRAPHICAL PRESENTATION

PROJECT NO. 38571
P.N. GLPL-13-003
BORING NO. B-10A @ 21.5'-25.0"
Colder-Tbuns Cape Sunset
DATE 3-1-13

TRAFFIC INDEX Assume 4.0
R-VALUE BY EXUDATION 63
R-VALUE BY EXPANSION




R-VALUE vs. EXUD. PRES.
T by EXUDATION
EXUD. T vs. EXPAN. T
T by EXPANSION

REMARKS GF=1.25

LaBelle • Marvin
PROFESSIONAL PAVEMENT ENGINEERING

# Table 1 - Laboratory Tests on Soil Samples

***Hushmand Associates, Inc.***
***Townscope Sunset***
***Your #GLDL-13-003, HDR|Schiff #13-0167LAB***
***28-Feb-13***

| | | | |
|---|---|---|---|
| **Sample ID** | | | B101 @ 11.5 - 15' |
| **Resistivity** | | **Units** | |
| as-received | | ohm-cm | 60,000 |
| minimum | | ohm-cm | 18,330 |
| **pH** | | | 8.0 |
| **Electrical Conductivity** | | mS/cm | 0.03 |
| **Chemical Analyses** | | | |
| **Cations** | | | |
| calcium | $Ca^{2+}$ | mg/kg | 16 |
| magnesium | $Mg^{2+}$ | mg/kg | 4.2 |
| sodium | $Na^{1+}$ | mg/kg | 32 |
| potassium | $K^{1+}$ | mg/kg | 3.1 |
| **Anions** | | | |
| carbonate | $CO_3^{2-}$ | mg/kg | ND |
| bicarbonate | $HCO_3^{1-}$ | mg/kg | 70 |
| fluoride | $F^{1-}$ | mg/kg | 1.0 |
| chloride | $Cl^{1-}$ | mg/kg | 2.7 |
| sulfate | $SO_4^{2-}$ | mg/kg | 8.3 |
| phosphate | $PO_4^{3-}$ | mg/kg | 4.0 |
| **Other Tests** | | | |
| ammonium | $NH_4^{1+}$ | mg/kg | ND |
| nitrate | $NO_3^{1-}$ | mg/kg | 1.3 |
| sulfide | $S^{2-}$ | qual | na |
| Redox | | mV | na |

Minimum resistivity per CTM 643, Chlorides per CTM 422, Sulfates per CTM 417
Electrical conductivity in millisiemens/cm and chemical analysis were made on a 1:5 soil-to-water extract.
mg/kg = milligrams per kilogram (parts per million) of dry soil.
Redox = oxidation-reduction potential in millivolts
ND = not detected
na = not analyzed

**APPENDIX D**
**IMPORTANT INFORMATION ABOUT YOUR GEOTECHNICAL ENGINEERING REPORT**
**(by ASFE)**

# Important Information About Your

# Geotechnical Engineering Report

*Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes.*
*The following information is provided to help you manage your risks.*

## Geotechnical Services Are Performed for Specific Purposes, Persons, and Projects

Geotechnical engineers structure their services to meet the specific needs of their clients. A geotechnical engineering study conducted for a civil engineer may not fulfill the needs of a construction contractor or even another civil engineer. Because each geotechnical engineering study is unique, each geotechnical engineering report is unique, prepared solely for the client. *No one except you* should rely on your geotechnical engineering report without first conferring with the geotechnical engineer who prepared it. *And no one - not even you -* should apply the report for any purpose or project except the one originally contemplated.

## A Geotechnical Engineering Report Is Based on a Unique Set of Project-Specific Factors

Geotechnical engineers consider a number of unique, Project-specific factors when establishing the scope of a study. Typical factors include the client's goals, objectives, and risk management preferences; the general nature of the structure involved, its size, and configuration; the location of the structure on the site; and other planned or existing site improvements, such as access roads, parking lots, and underground utilities. Unless the geotechnical engineer who conducted the study specifically indicates otherwise, *do not rely on a geotechnical engineering report that was:*

- not prepared for you,
- not prepared for your project,
- not prepared for the specific site explored, or
- completed before important project changes were made.

Typical changes that can erode the reliability of an existing geotechnical engineering report include those that affect:

- the function of the proposed structure, as when it's changed from a parking garage to an office building or from a light industrial plant to a refrigerated warehouse,
- elevation, configuration, location, orientation, or weight of the proposed structure,
- composition of the design team, or
- project ownership.

As a general rule, always inform your geotechnical engineer of project changes-even minor ones-and request an assessment of their impact. *Geotechnical engineers cannot accept responsibility or liability for problems that occur because their reports do not consider developments of which they were not informed.*

## Subsurface Conditions Can Change

A geotechnical engineering report is based on conditions that existed at the time the study was performed. *Do not rely on a geotechnical engineering report* whose adequacy may have been affected by: the passage of time; by man-made events, such as construction on or adjacent to the site; or by natural events, such as floods, earthquakes, or groundwater fluctuations*. Always* contact the geotechnical engineer before applying the report to determine if it is still reliable. A minor amount of additional testing or analysis could prevent major problems.

## Most Geotechnical Findings Are Professional Opinions

Site exploration identifies subsurface conditions only at those points where subsurface tests are conducted or samples are taken. Geotechnical engineers review field and laboratory data and then apply their professional judgment to render an *opinion* about subsurface conditions throughout the site. Actual sub-surface conditions may differ - sometimes significantly - from those indicated in your report. Retaining the geotechnical engineer who developed your report to provide construction observation is the most effective method of managing the risks associated with unanticipated conditions

## A Report's Recommendations Are *Not* Final

Do not over-rely on the construction recommendations included in your report. Those *recommendations are not final,* because geotechnical engineers develop them principally from judgment and opinion. Geotechnical engineers can finalize their recommendations only by observing actual subsurface conditions revealed during construction. *The geotechnical engineer who developed your report cannot assume responsibility or liability* for the report's recommendations if that engineer does not perform construction observation.

## A Geotechnical Engineering Report Is Subject To Misinterpretation

Other design team members' misinterpretation of geotechnical engineering reports has resulted in costly problems. Lower that risk by having your geotechnical engineer confer with appropriate members of the design team after submitting the report. Also retain your geotechnical engineer to review pertinent elements of the design team's plans and specifications. Contractors can also misinterpret a geotechnical engineering report. Reduce that risk by having your geotechnical engineer participate in prebid and preconstruction conferences, and by providing construction observation.

## Do Not Redraw the Engineer's Logs

Geotechnical engineers prepare final boring and testing logs based upon their interpretation of field logs and laboratory data. To prevent errors or omissions, the logs included in a geotechnical engineering report should never be redrawn for inclusion in architectural or other design drawings. Only photographic or electronic reproduction is acceptable, *but recognize that separating logs from the report can elevate risk.*

## Give Contractors a Complete Report and Guidance

Some owners and design professionals mistakenly believe they can make contractors liable for unanticipated subsurface conditions by limiting what they provide for bid preparation. To help prevent costly problems, give contractors the complete geotechnical engineering report, but preface it with a clearly written letter of transmittal. In that letter, advise contractors that the report was not prepared for purposes of bid development and that the report's accuracy is limited; encourage them to confer with the geotechnical engineer who prepared the report (a modest fee may be required) and/or to conduct additional study to obtain the specific types of information they need or prefer. A brand conference can also be valuable. *Be sure contractors have sufficient time* to perform additional study. Only then might you be in a position to give contractors the best information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions.

## Read Responsibility Provisions Closely

Some clients, design professionals, and contractors do not recognize that geotechnical engineering is far less exact than other engineering disciplines. This lack of understanding has created unrealistic expectations that have led to disappointments, claims, and disputes. To help reduce such risks, geotechnical engineers commonly include a variety of explanatory provisions in their reports. Sometimes labeled "limitations," many of these provisions indicate where geotechnical engineers' responsibilities begin and end, to help others recognize their own responsibilities and risks. Read these provisions closely. Ask questions. Your geotechnical engineer should respond fully and frankly.

## Geoenvironmental Concerns Are Not Covered

The equipment, techniques, and personnel used to perform a geoenvironmental study differ significantly from those used to perform a geotechnical study. For that reason, a geotechnical engineering report does not usually relate any geoenvironmental findings, conclusions, or recommendations: e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated environmental problems have led to numerous project failures*. If you have not yet obtained your own geoenviromental information, ask your geotechnical consultant for risk management guidance. *Do not rely on an environmental report prepared for someone else.*

## Rely on Your Geotechnical Engineer for Additional Assistance

Membership in ASFE exposes geotechnical engineers to a wide army of risk management techniques that can be of genuine benefit for everyone involved with a construction project. Confer with your ASFE-member geotechnical engineer for more information.

# ASFE

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