

# MONTEREY PENINSULA WATER SUPPLY PROJECT

## Test Slant Well Long Term Pumping Monitoring Report No. 127 4-October-17 - 11-October-17

Coastal Development Permit #A-3-MRA-14-0050 and  
Amendment No. A-3-MRA-14-0050-A1

**October 17, 2017**

PREPARED FOR:  
California American Water



**CALIFORNIA  
AMERICAN WATER**

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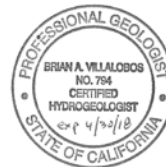
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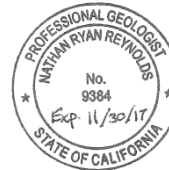
THIS REPORT HAS BEEN PREPARED BY OR UNDER THE DIRECTION OF THE FOLLOWING DESIGN PROFESSIONAL LICENSED BY THE STATE OF CALIFORNIA AND BASED ON THE MOST RECENT AVAILABLE INFORMATION.



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Senior Geohydrologist



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### Description

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- A-1 Coastal Development Permit #A-3-MRA-14-0050
- A-2 Coastal Development Permit Amendment No. A-3-MRA-14-0050-A1
- B Groundwater Level and Salinity Instrument Data for the Period 4-October-17 through 11-October-17

Note: As they become available additional Appendices, each to include weekly instrument data, will be posted to:

[www.watersupplyproject.org](http://www.watersupplyproject.org)

## **MONTEREY PENINSULA WATER SUPPLY PROJECT**

### **TEST SLANT WELL LONG TERM PUMPING MONITORING REPORT NO. 127 4-OCTOBER-17 - 11-OCTOBER-17**

#### **1.0 GENERAL**

##### **1.1 Purpose and Scope**

Coastal Development Permit #A-3-MRA-14-0050 dated 8-Dec-14 granted California American Water Company (CalAm) permission for development consisting of: Construction, operation and decommissioning of a test slant well at the CEMEX sand mining facility in the City of Marina and beneath Monterey Bay in the County of Monterey. Special condition 11, "Protection of Nearby Wells", of that permit requires groundwater monitoring of a minimum of four wells on the CEMEX site within 2,000 ft of the test well and one or more offsite wells to record water and salinity levels (see Appendix A-1).

##### **1.2 Monitoring Well Construction**

During the period from December 2014 to March 2015, four monitoring well clusters were constructed (MW-1, MW-3, MW-4, and MW-5) with each cluster consisting of three monitoring wells completed at different depth intervals. In addition, four monitoring well clusters (MW-6, MW-8, MW-9, and MW-7) were completed on 5-Apr-15, 29-May-15, 30-Jun-15, and 9-Aug-15. An additional cluster had been planned for construction (MW-10), however, due to inaccessibility the proposed cluster has been removed from the proposed monitoring network. The naming convention for the monitoring wells in each cluster is as follows: MW-1S, MW-1M and MW-1D refer to shallow, middle and deep monitoring zones, respectively, for monitoring well cluster MW-1. In addition, there are several existing wells which are being monitored or are planned to be monitored for water level and salinity: one well at the Monterey Regional Water Pollution Control Agency Plant (MRWPCA Well 1); and one existing well on the CEMEX property (CEMEX North Well). In addition to the already constructed, planned and existing groundwater monitoring wells, a stilling well installed at the north end of CEMEX's dredge pond (CP-1) is also being monitored. The transducer installed in the dredge pond was buried in sand due to winter storms surges in December 2015. Upon CEMEX's request a replacement stilling well and transducer were installed in the dredge pond in July 2016. Data will be included in Figures 2-10 and 3-10 as soon as survey elevations become available.

Table 1 summarizes general technical details of the monitoring wells and Figure 1-1 shows the monitoring well locations.

### **1.3 Baseline Water Level and Water Quality Weekly Monitoring Reports**

Weekly reports containing baseline water levels and water quality data have been uploaded to the CalAm project website. A total of seven weekly reports were uploaded providing baseline data for the period: February 19, 2015 through April 22, 2015. Monitoring Reports No. 1 through No. 7 provide baseline data collected prior to initiation of the long-term pumping test.

### **1.4 Test Slant Well Baseline Water Level and Quality Data**

A report entitled “TECHNICAL MEMORANDUM - Monterey Peninsula Water Supply Project Baseline Water and Total Dissolved Solids Levels Test Slant Well Area” was prepared on April 20, 2015 and submitted to the Hydrogeologic Working Group (HWG) for review and concurrence. The report provided observations of the trends in water levels and water quality from the data provided weekly in the monitoring reports and included recommendations for a methodology to evaluate changes in water level and water quality trends at MW-4 series in order to comply with the conditions of Coastal Development Permit #A-3-MRA-14-0050. The report is available at: [www.watersupplyproject.org](http://www.watersupplyproject.org)

### **1.5 Test Slant Well Long Term Pumping Test Monitoring Reports**

This report is part of the second set of weekly monitoring reports required by Coastal Development Permit #A-3-MRA-14-0050 for the Test Slant Well project, providing water level and water quality data from the project monitoring wells. Figure 1-1 shows the location of the monitoring wells. The long-term pumping test of the Test Slant Well commenced on April 22, 2015.

On June 5, 2015, the Test Slant Well was voluntarily shut off so that the HWG could evaluate regional trends in water levels and salinity. During the shut off period, the California Coastal Commission allowed for weekly maintenance pumping of 6-hours per week to maintain the Test Slant Well (TSW) in an operational condition. Long term pumping of the Test Slant Well resumed on October 27, 2015 under Coastal Development Permit Amendment No. A-3-MRA-14-0050-A1 dated 13-Oct-15 (Appendix A-2). This report summarizes monitoring performed for the period 4-October-17 through 11-October-17 and is presented with data collected since the start of the long term pumping test. One week of transducer data has been included in Appendix B. Each subsequent weekly report will provide an additional seven days of data.

### 1.5.1 Interruption of Pumping Due to Power Outages

On several occasions the Test Slant Well has unexpectedly stopped pumping due to a Pacific Gas & Electric Company (PG&E) low voltage issues in the immediate area. The pump has also been turned off intentionally to perform repairs on the Test Slant Well's temporary discharge line. This table summarizes the details of the pumping interruptions encountered during the Long Term Pumping Test:

| Pumping Interruptions |          |            |          |                     |                                                 |
|-----------------------|----------|------------|----------|---------------------|-------------------------------------------------|
| Pump Off              |          | Pump On    |          | Time Off<br>(hours) | Cause                                           |
| Date                  | Time     | Date       | Time     |                     |                                                 |
| 1/19/2016             | 11:10 AM | 1/20/2016  | 8:51 AM  | 22                  | PG&E power interruption                         |
| 1/22/2016             | 11:53 PM | 1/24/2016  | 11:01 AM | 35                  | PG&E power interruption                         |
| 1/30/2016             | 2:50 AM  | 1/30/2016  | 11:08 AM | 8                   | PG&E power interruption                         |
| 1/31/2016             | 3:29 PM  | 2/1/2016   | 11:20 AM | 20                  | PG&E power interruption                         |
| 2/12/2016             | 2:43 AM  | 2/12/2016  | 10:51 AM | 8                   | PG&E power interruption                         |
| 3/1/2016              | 8:30 AM  | 3/2/2016   | 1:40 PM  | 29                  | Discharge line repairs                          |
| 3/4/2016              | 10:10 AM | 5/2/2016   | 1:22 PM  | 1,419               | Discharge line repairs                          |
| 5/17/2016             | 11:59 PM | 5/18/2016  | 2:35 PM  | 15                  | PG&E power interruption                         |
| 5/25/2016             | 1:28 PM  | 5/25/2016  | 5:21 PM  | 4                   | PG&E power interruption                         |
| 6/3/2016              | 7:45 AM  | 6/3/2016   | 9:08 AM  | 1                   | PG&E power interruption                         |
| 7/8/2016              | 6:12 AM  | 7/8/2016   | 7:17 AM  | 1                   | PG&E power interruption                         |
| 7/14/2016             | 10:21 AM | 7/14/2016  | 11:36 AM | 1                   | PG&E power interruption                         |
| 8/13/2016             | 11:32 AM | 8/16/2016  | 7:29 PM  | 80                  | PG&E power interruption                         |
| 10/3/2016             | 7:55 PM  | 10/5/2016  | 6:23 PM  | 46                  | PG&E power interruption                         |
| 12/24/2016            | 9:18 AM  | 1/11/2017  | 9:23 AM  | 432                 | PG&E power interruption & discharge line repair |
| 1/20/2017             | 7:42 PM  | 1/25/2017  | 2:43 PM  | 115                 | PG&E power interruption                         |
| 2/17/2017             | 5:43 AM  | 2/23/2017  | 9:47 AM  | 148                 | PG&E power interruption                         |
| 2/23/2017             | 9:57 AM  | 2/23/2017  | 12:13 PM | 2                   | PG&E power interruption                         |
| 3/13/2017             | 2:48 PM  | 3/13/2017  | 4:14 PM  | 1                   | PG&E power interruption                         |
| 3/22/2017             | 4:54 AM  | 3/22/2017  | 9:09 AM  | 4                   | PG&E power interruption                         |
| 4/10/2017             | 4:04 AM  | 4/10/2017  | 10:32 AM | 6                   | PG&E power interruption                         |
| 6/2/2017              | 9:42 AM  | 6/2/2017   | 1:53 PM  | 4                   | Maintenance                                     |
| 6/8/2017              | 4:15 PM  | 6/9/2017   | 10:49 AM | 19                  | Development                                     |
| 6/16/2017             | 7:45 AM  | 6/16/2017  | 8:46 PM  | 13                  | Development                                     |
| 6/18/2017             | 9:21 AM  | 6/19/2017  | 2:33 PM  | 29                  | PG&E power interruption                         |
| 6/21/2017             | 5:22 PM  | 6/22/2017  | 11:06 AM | 18                  | Development                                     |
| 6/28/2017             | 7:45 PM  | 6/30/2017  | 11:30 AM | 40                  | Development                                     |
| 7/5/2017              | 4:21 PM  | 7/7/2017   | 7:24 AM  | 39                  | Development                                     |
| 7/16/2017             | 7:37 PM  | 7/17/2017  | 11:26 AM | 16                  | PG&E power interruption                         |
| 7/23/2017             | 11:54 PM | 7/24/2017  | 11:32 AM | 12                  | PG&E power interruption                         |
| 9/6/2017              | 5:41 PM  | 9/7/2017   | 9:30 AM  | 16                  | Development                                     |
| 9/7/2017              | 4:48 PM  | 9/8/2017   | 10:03 AM | 17                  | Development                                     |
| 9/13/2017             | 4:24 PM  | 9/14/2017  | 8:17 AM  | 16                  | Development                                     |
| 9/14/2017             | 4:46 PM  | 9/15/2017  | 8:01 AM  | 15                  | Development                                     |
| 9/20/2017             | 4:26 PM  | 9/21/2017  | 8:04 AM  | 16                  | Development                                     |
| 9/21/2017             | 4:01 PM  | 9/22/2017  | 8:09 AM  | 16                  | Development                                     |
| 9/25/2017             | 7:50 PM  | 9/27/2017  | 1:14 PM  | 41                  | PG&E power interruption                         |
| 9/29/2017             | 4:22 AM  | 9/29/2017  | 12:12 PM | 8                   | PG&E power interruption                         |
| 10/4/2017             | 5:58 PM  | 10/5/2017  | 6:03 PM  | 24                  | Development                                     |
| 10/11/2017            | 6:23 PM  | 10/12/2017 | 8:00 AM  | 14                  | Development                                     |

## 1.6 Test Slant Well Water Quality

Groundwater quality samples were collected from the Test Slant Well on April 8, 2015, prior to initiation of the long term pumping operations, on April 29, 2015, weekly during the Month of May and on June 3, 2015. A summary of the water quality laboratory results from the Test Slant Well are included in Table 2. Since October 27, 2015, water quality data has been collected weekly on average while the well is in operation and is presented in Table 2.

## 1.7 Format of Report

All downloaded pressure transducer data as well as specific conductivity (EC) during the monitoring period are included in Appendix B. Appendix B data is cumulative and only the appended data will be printed in each weekly monitoring report. Figures 2-1 to 2-8 show graphical plots of groundwater elevations for the eight monitoring well clusters (MW-1, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, and MW-9). Figure 2-9 shows groundwater elevations for existing well MRWPCA Well 1. Monitoring of MRWPCA Well 1 ceased due to the pressure transducer failing and the decision to not replace it due to an abundance of well motor lubricant oil in the well. Figures 3-1 through 3-8 show corresponding graphical plots of the specific conductivity for the above-mentioned wells. Figure 2-10 and 3-10 are water levels and specific conductivity for the CEMEX dredge pond, respectively. The dredge pond was breached by the ocean on October 28, 2015 allowing only six more weeks of data before the transducer could not be found. Figure 2-11 and 3-11 are plots of water level elevation and specific conductivity for the CEMEX North Well and Figures 2-12 and 3-12 are water levels and specific conductivity, respectively, for the Test Slant Well.

CEMEX's North Well collapsed on November 13, 2015. Monitoring of the North Well continued after the collapse for 15 weeks to evaluate whether water levels would equilibrate. Consistent shallow groundwater measurements indicate that the well screen is blocked and water levels in the well are no longer representative of the aquifer conditions. Therefore, water level measurements will no longer be collected in the CEMEX North Well.

In compliance with CDP #A-3-MRA-14-0050, the Test Slant Well Long Term Pumping Monitoring Report No. 127 (this report), is the one-hundred twenty-seventh of the weekly long-term pumping monitoring reports and follows the weekly baseline monitoring reports, the last of which ended on 22-Apr-15 (Baseline Monitoring Report No. 7<sup>1</sup>).

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<sup>1</sup> Note: The last of the baseline monitoring reports (Monitoring Report No. 7) covered a five day period (17-22 Apr-15 as the long-term pumping began on 22-Apr-15).

## 2.0 CONVERSION OF TRANSDUCER PRESSURE MEASUREMENTS TO GROUNDWATER ELEVATIONS

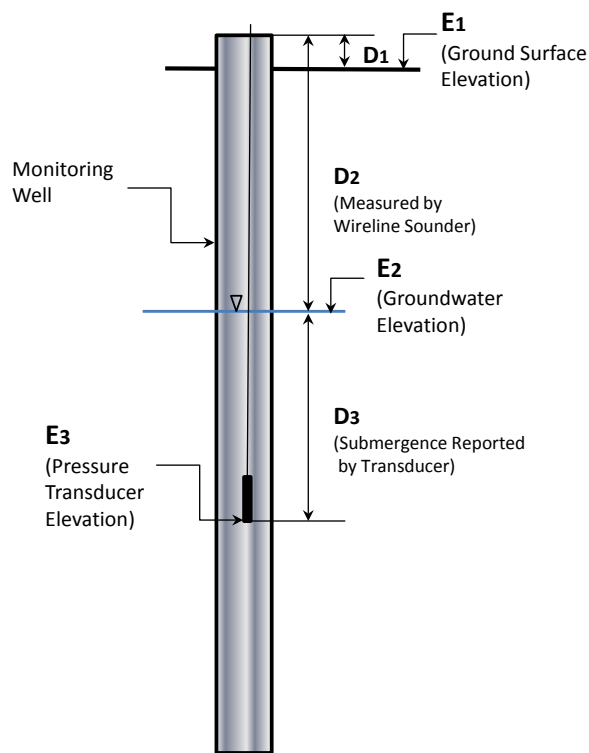
Pressure transducer readings were converted to groundwater elevation values (expressed as ft NAVD88) using the setting depth of the pressure transducer and the ground surface elevation at the monitoring well site (see inset). After initially setting a pressure transducer in the well, and after each time a transducer is removed from a well, the transducer setting depth is determined using an electrical wire line sounder (Solinst, Model 101) to establish the depth to water in the well. The transducer elevation is then determined as follows:

$$\text{Transducer Elevation (E3)} = E1 + D1 - D2 - D3$$

Once the transducer elevation has been established, groundwater elevations in ft NAVD88 are calculated from transducer submergence readings ( $D3$ ) (psi converted to ft) and depth to water measurements ( $D2$ ) as follows:

$$\text{Groundwater Elevation (E2)} = E3 + D3$$

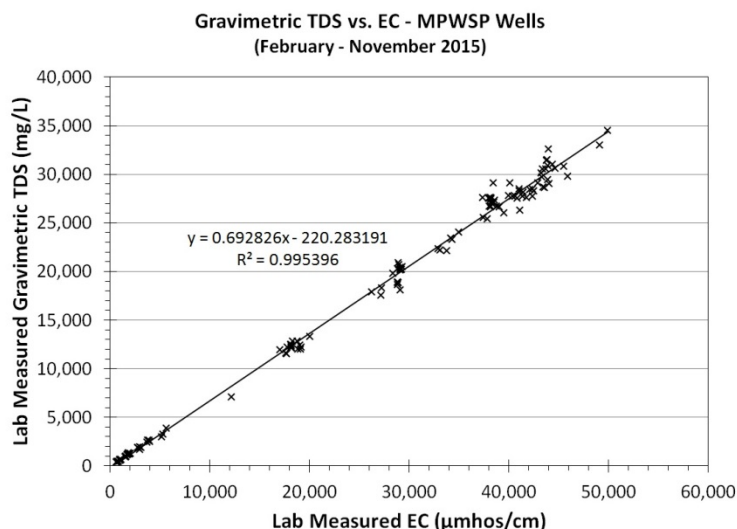
MW-1, MW-3, MW-4, MW-5, Dredge Pond, and Test Slant Well reference point elevations (RP) were surveyed on 26-Mar-15. MW-6, MW-7, MW-8, MW-9, and CEMEX North Well RPs were surveyed on 1-Oct-15 and are summarized in Table 1. All elevations are in ft NAVD88 including RP and ground surface elevations. CEMEX South Well, and MRWPCA's Well No. 1 and Well No. 2 ground surface elevations were estimated using Google Earth (see Table 1).



### 3.0 ESTIMATING TOTAL DISSOLVED SOLIDS FROM ELECTRICAL CONDUCTIVITY (EC) MEASUREMENTS

Estimation of TDS from EC utilizes a conversion factor that is specific to a given water chemistry. Based on the normalized EC value (corrected to 25° C), an EC conversion factor may be used to estimate TDS from the product of the temperature-corrected EC value and the TDS:EC correction factor. The factor is calculated by dividing the laboratory measured EC by the laboratory measured TDS using the gravimetric calculated TDS.

Accuracy of the TDS:EC conversion factor is improved through collection of on-going direct measurements of TDS in groundwater samples using laboratory gravimetric methods. A plot of well specific laboratory measured EC versus TDS from 133 sampling events (from the Test Slant Well and network monitoring wells) collected between February and November 2015 shows a linear relationship (see inset). The equation of which may be used as a general estimate of TDS from measured EC.



#### 3.1 Additional Monitoring Methods

The baseline water level and water quality data indicated that the water quality in the aquifers at MW-3 and MW-4 series show vertical stratification. Therefore, direct correlation between laboratory samples collected by pumping the monitoring wells and conductivity data cannot be made since the pumped samples represent a mixing of waters from the entire screen interval and the transducer records conductivity from a single depth.

To evaluate conductivity data in the MW-4 series, regular groundwater samples are being collected by pumping and compared to previous samples collected by pumping. During the long term test, weekly samples have been collected at the Test Slant Well and MW-4 through May 27, 2015, while the remaining monitoring wells were sampled monthly. Monthly water quality samples from all well sites were then collected through July 29, 2015. Following restart of the TSW pump, sample collection from the TSW has resumed. Results of the TSW analyses can be found in Table 2.

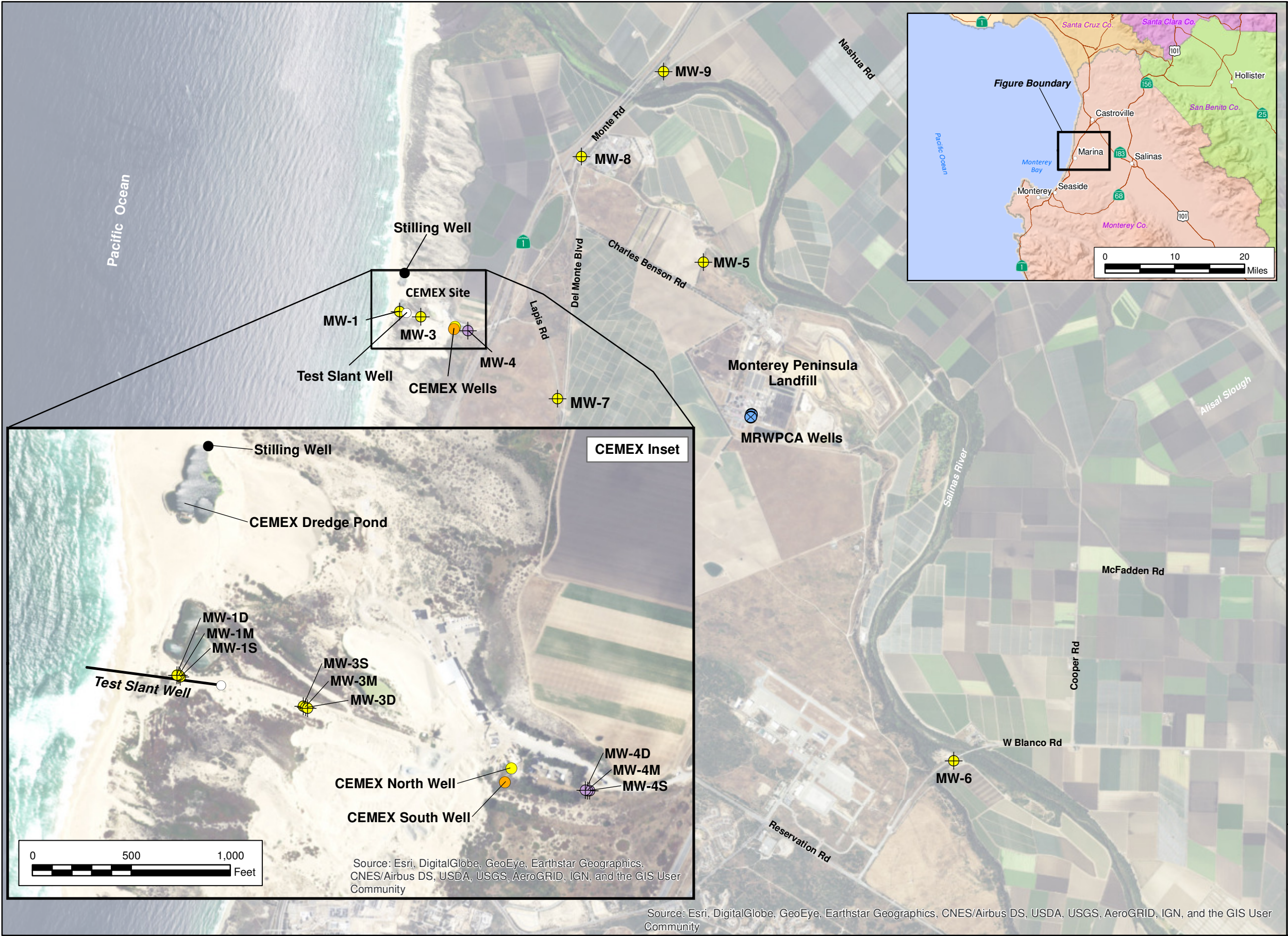
Data collected from transducers will continue to be plotted. Where no transducers were present, specific conductivity data was collected using a hand-held electrical conductance meter (MW-5 &

MW-6). MW-3 series and MW-4 series are the closest inland wells from the Test Slant Well (see Figure 1-1) and show a vertical stratification of water quality.

## FIGURES

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W:\GIS\_projects\cal\_amb\mw\_monitoring\long\_term\_monitoring\fig\_1-1\_MonWells\_10-17-17.mxd



**EXPLANATION**

- Monitoring Well Cluster
- Compliance Monitoring Well Cluster
- Inactive Production Well
- CEMEX Well - Inactive
- CEMEX Well - Active
- Stilling Well
- Test Slant Well

**MPWSP GROUNDWATER MONITORING NETWORK**

17-Oct-17

FIGURE 1-1



Groundwater Elevation in MPWSP MW-1

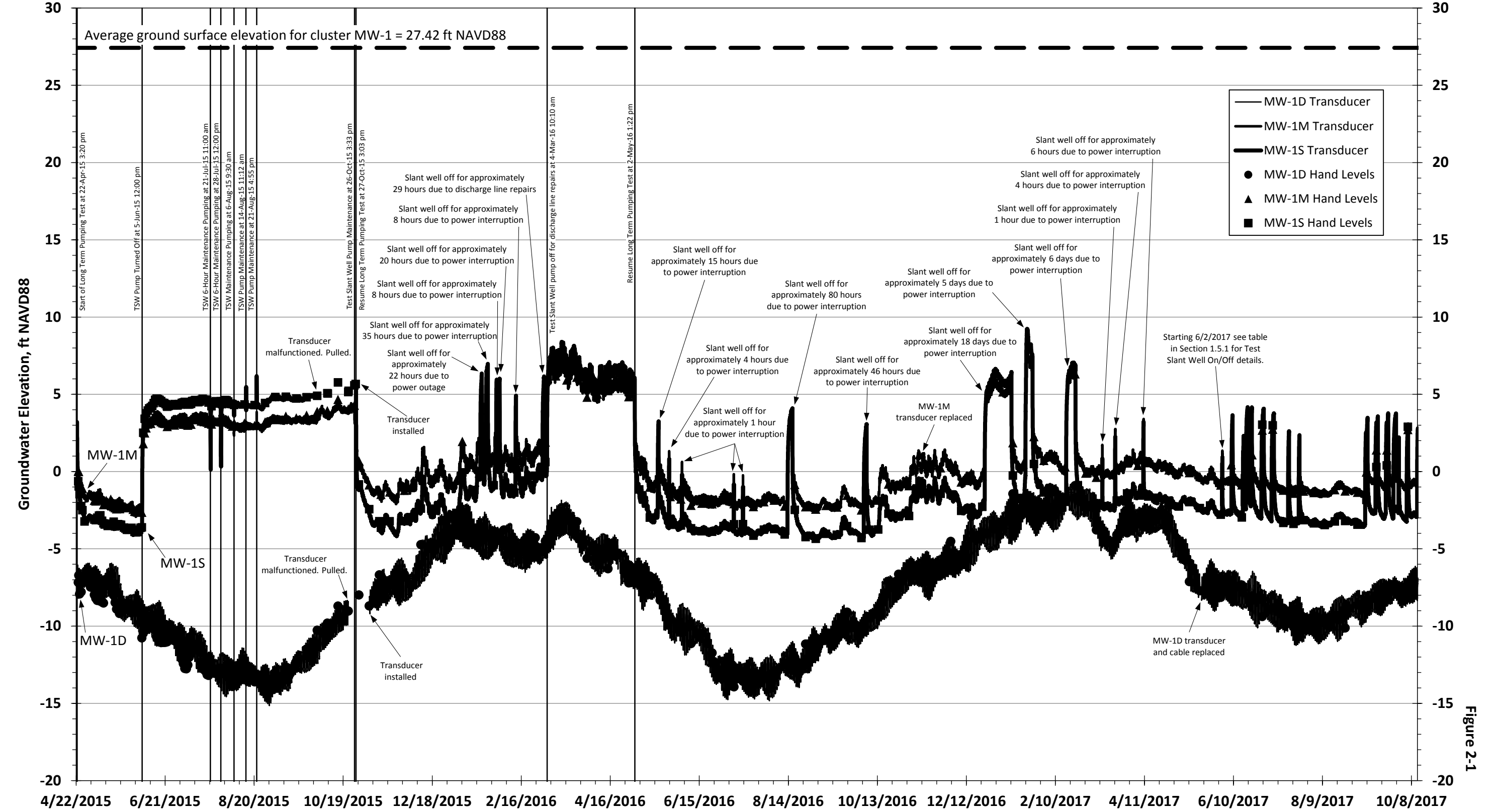


Figure 2-1

Groundwater Elevation in MPWSP MW-3

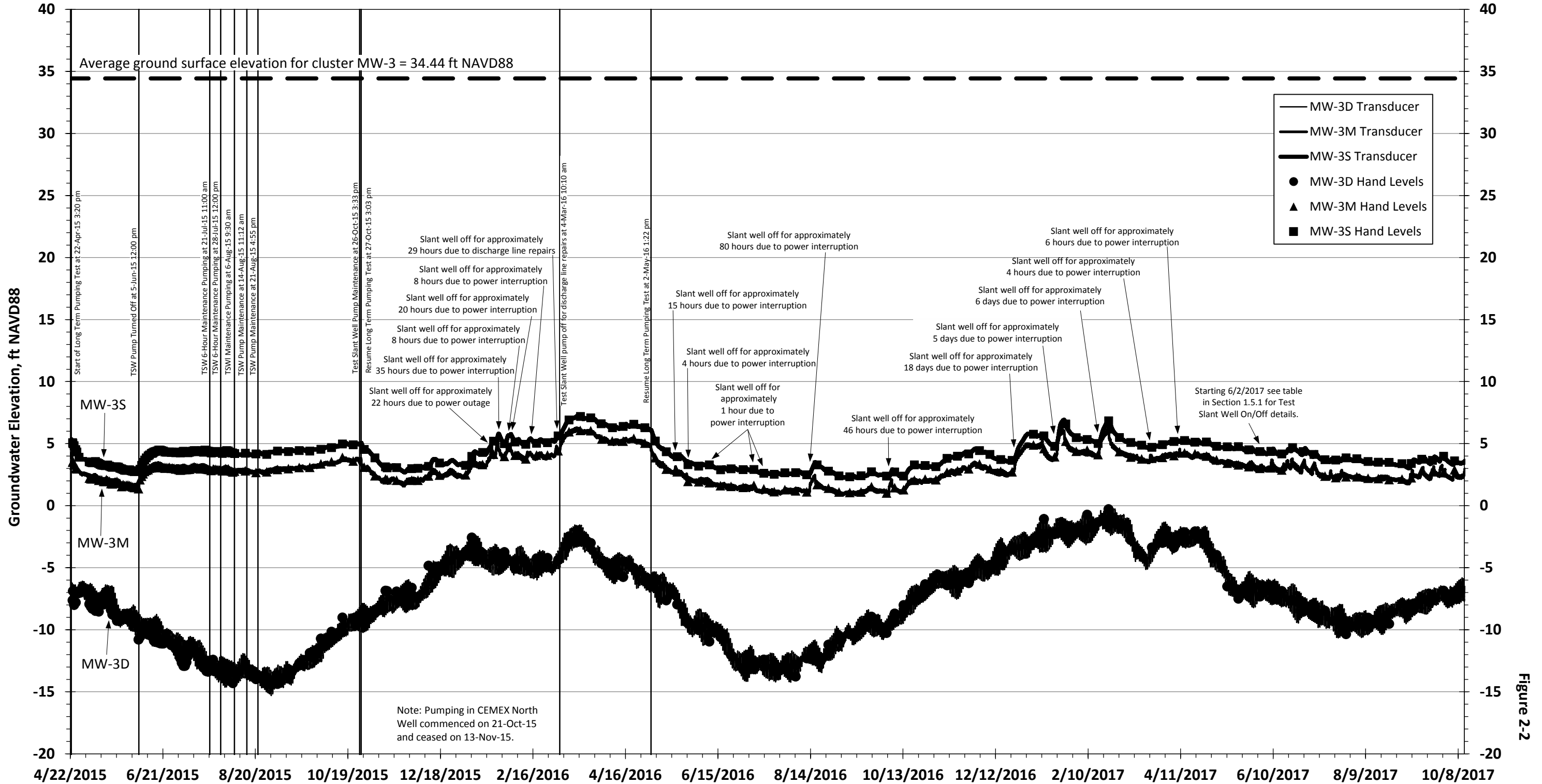


Figure 2-2

## Monitoring Report No. 127



Groundwater Elevation in MPWSP MW-5

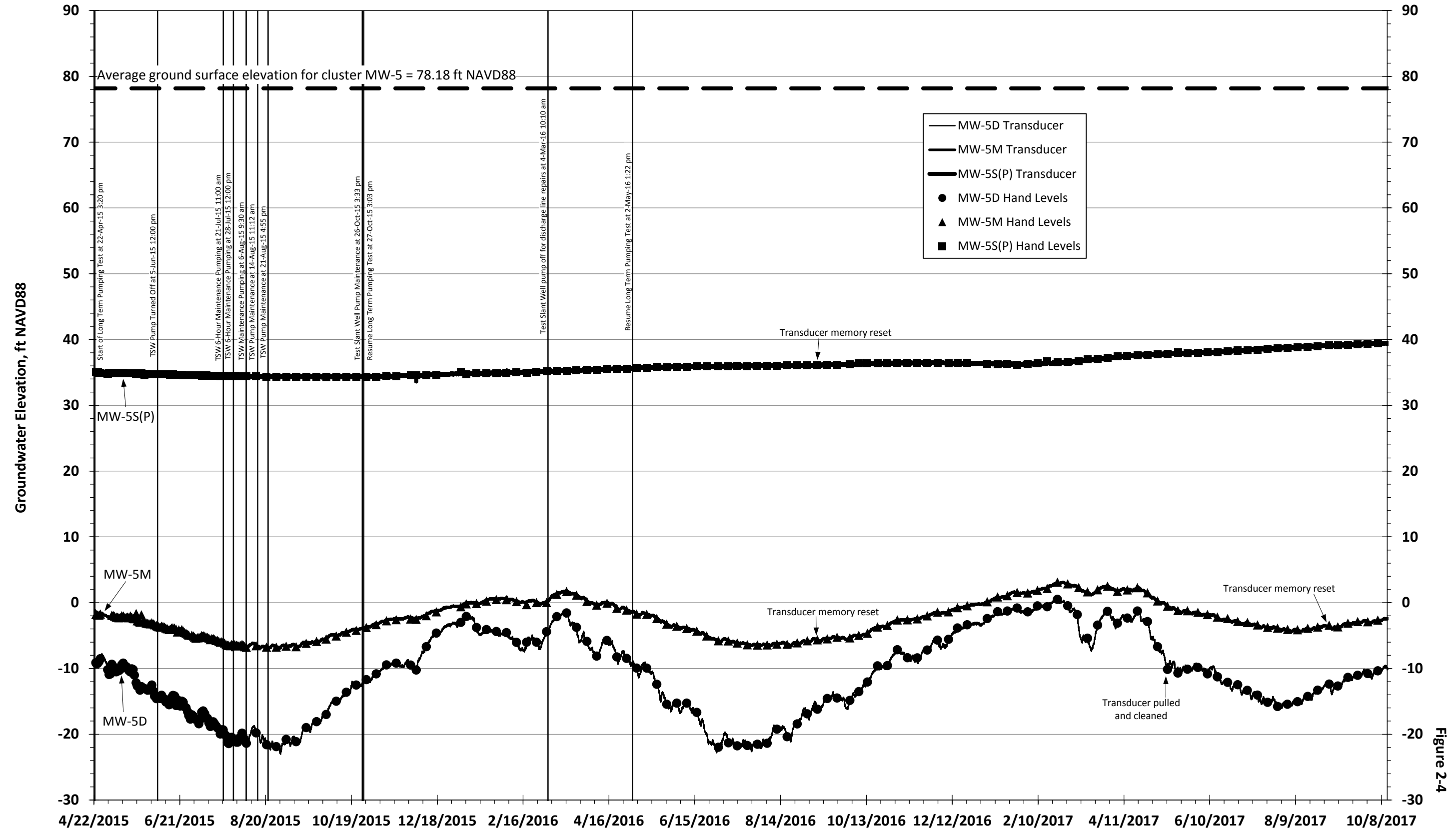
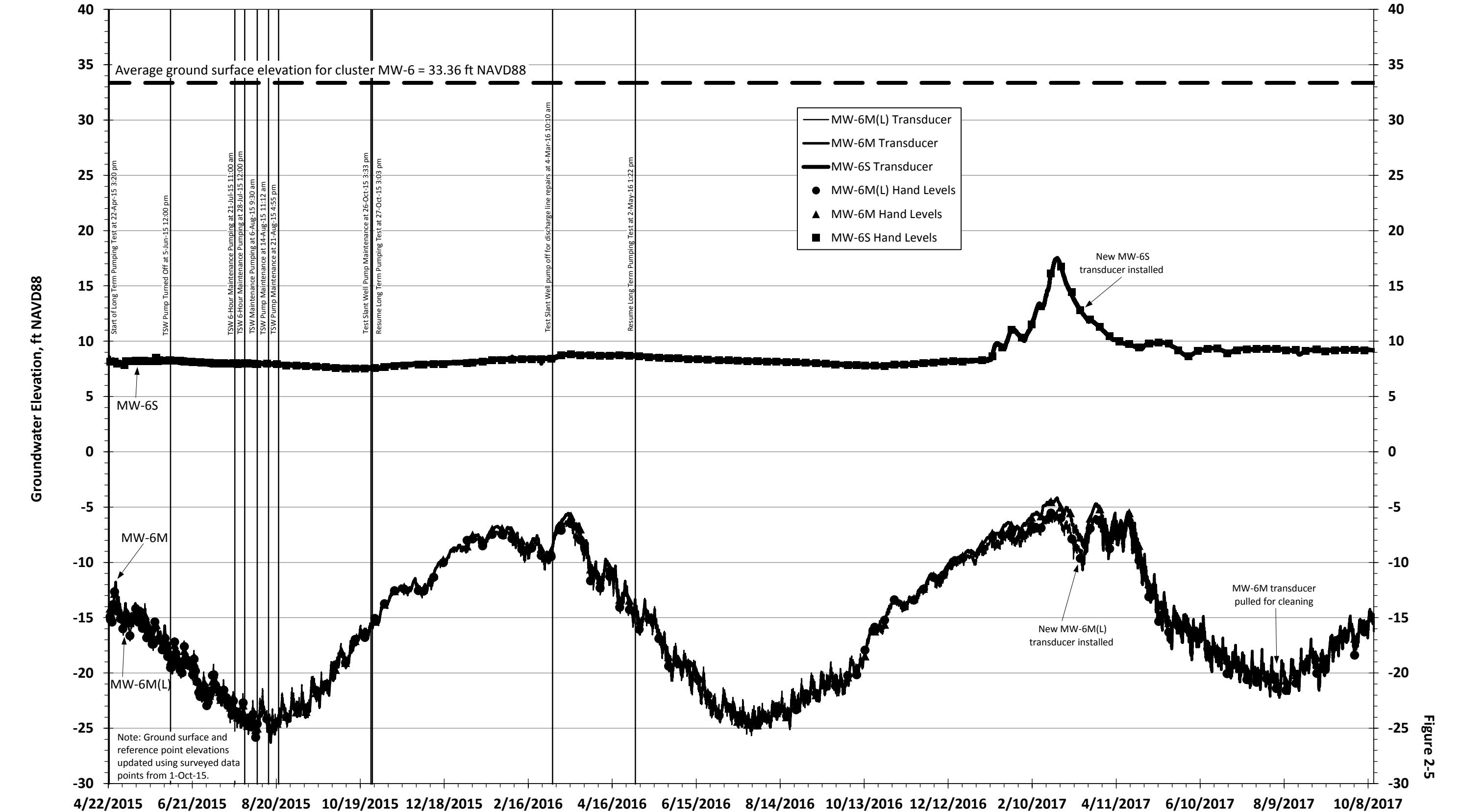


Figure 2-4

Groundwater Elevation in MPWSP MW-6



Groundwater Elevation in MPWSP MW-7

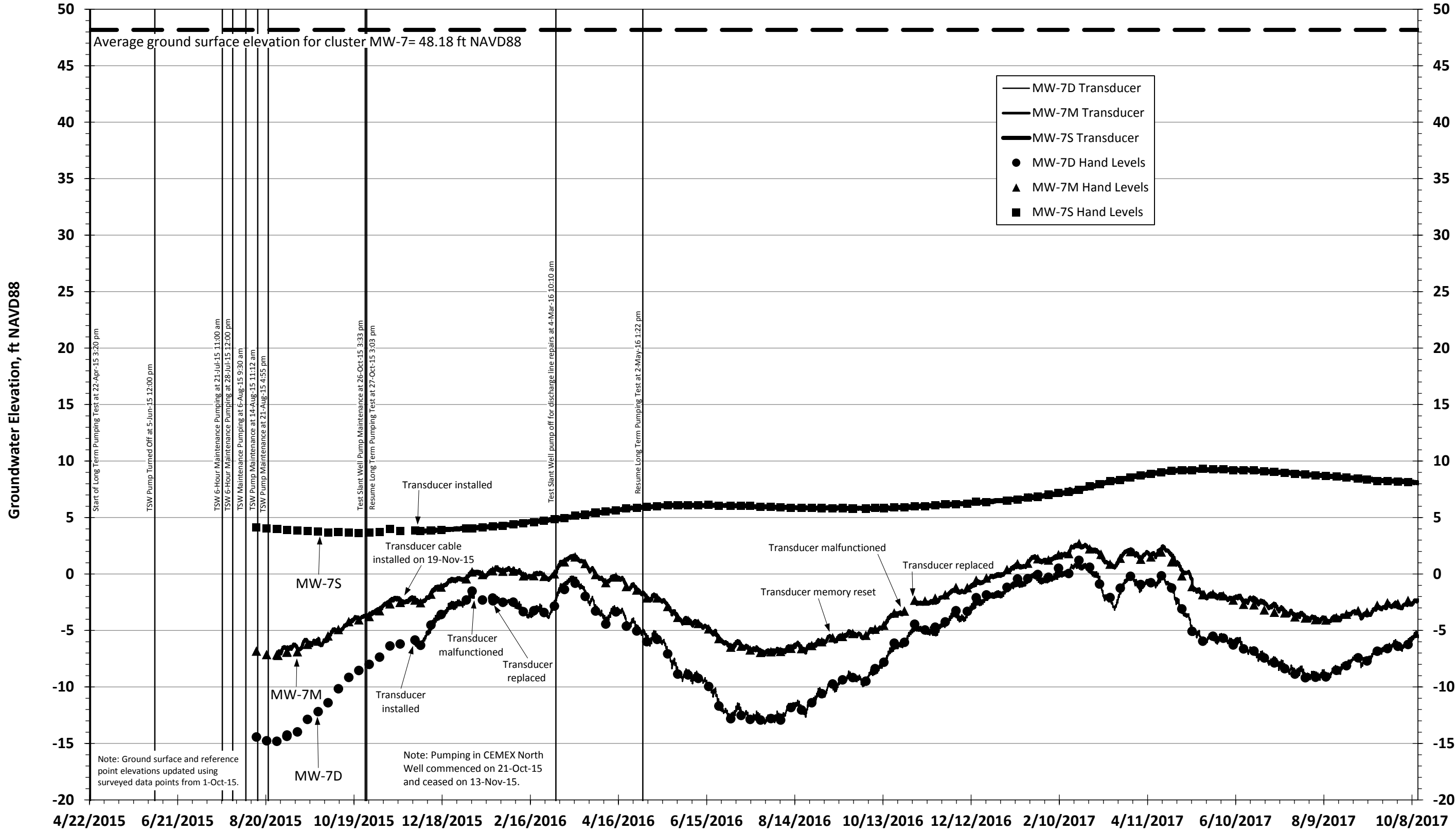


Figure 2-6

Groundwater Elevation in MPWSP MW-8

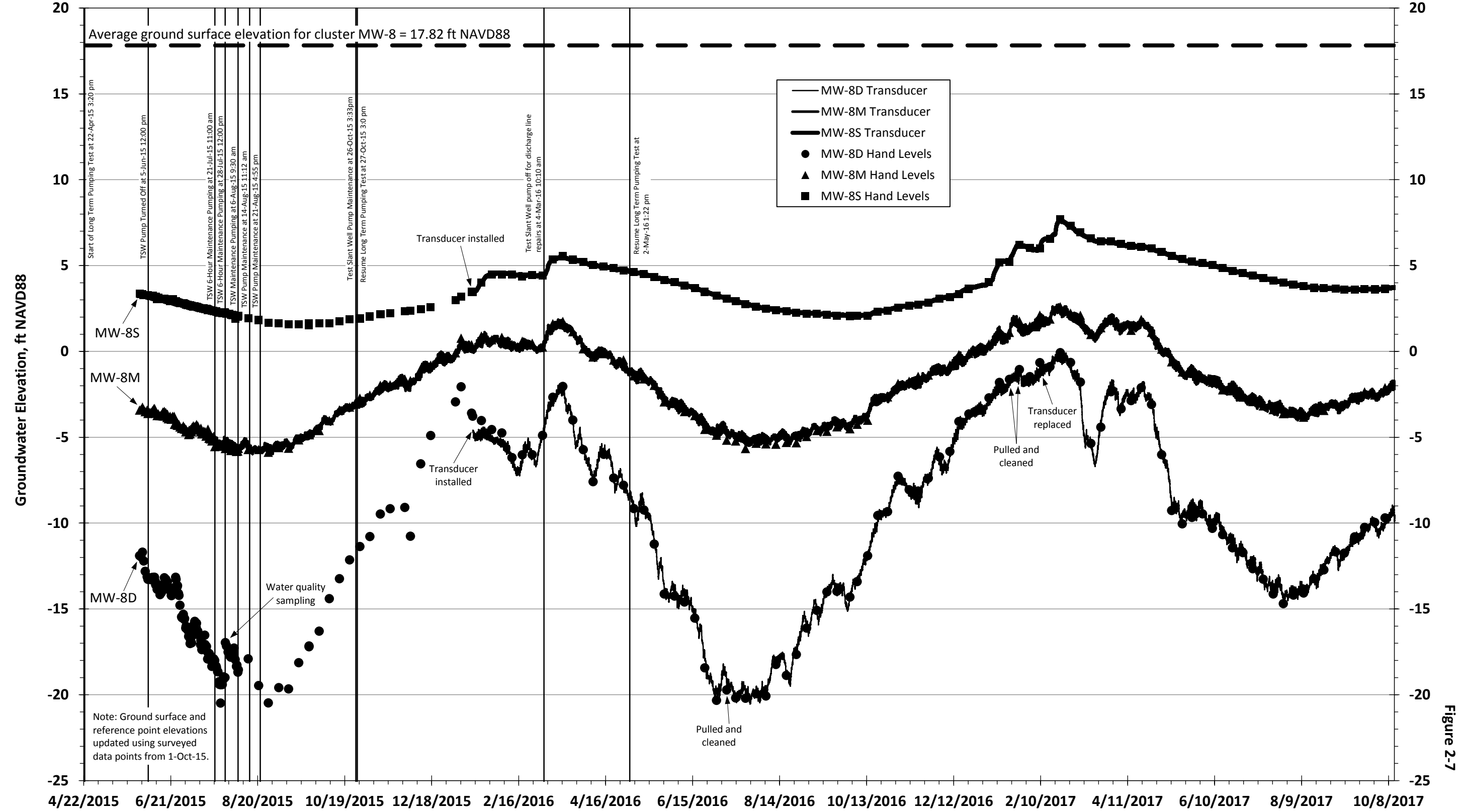
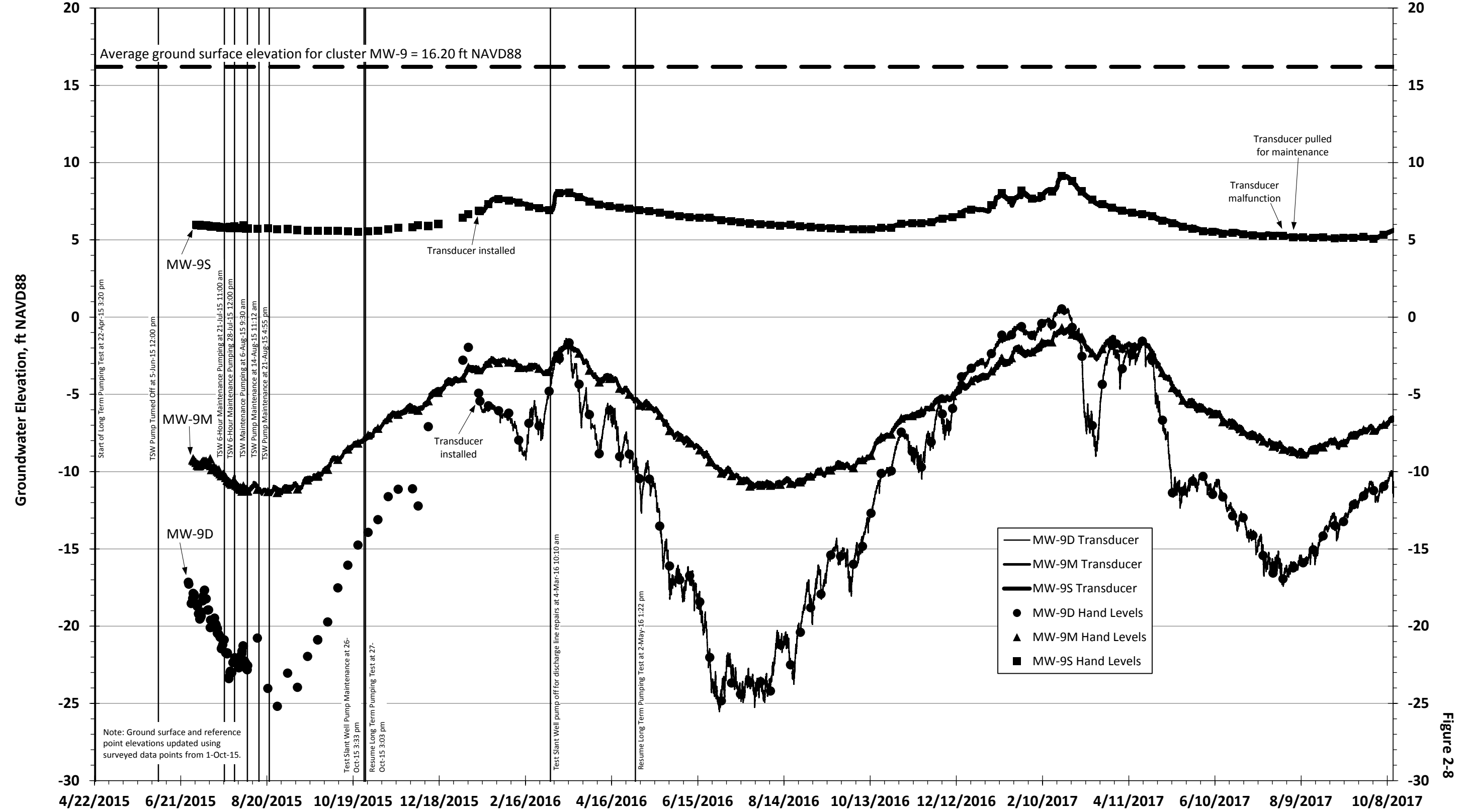


Figure 2-7

Groundwater Elevation in MPWSP MW-9



Groundwater Elevation in Monterey Regional Water Pollution Control Agency Wells

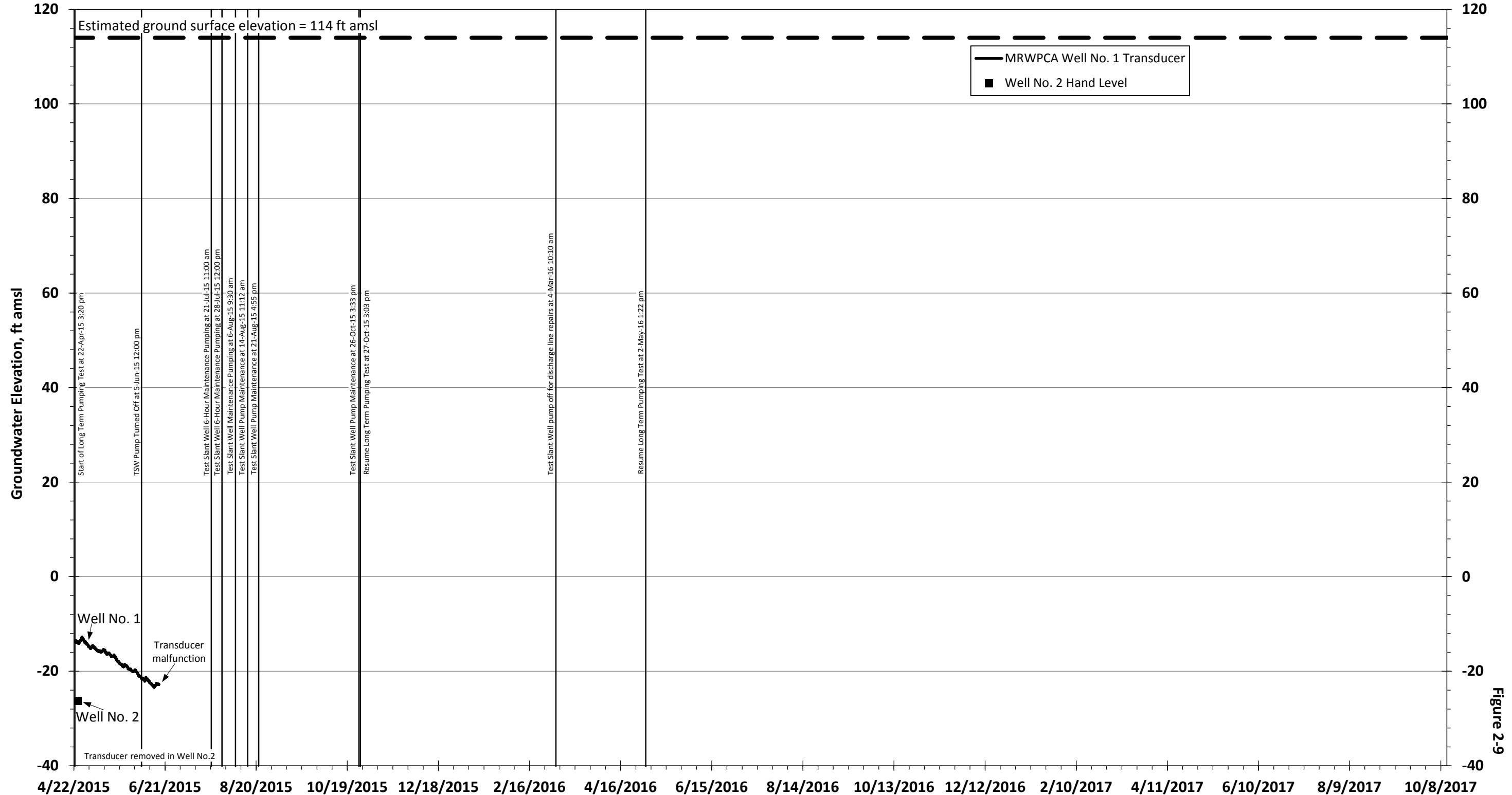


Figure 2-9

Surface Water Elevation in CEMEX Dredge Pond

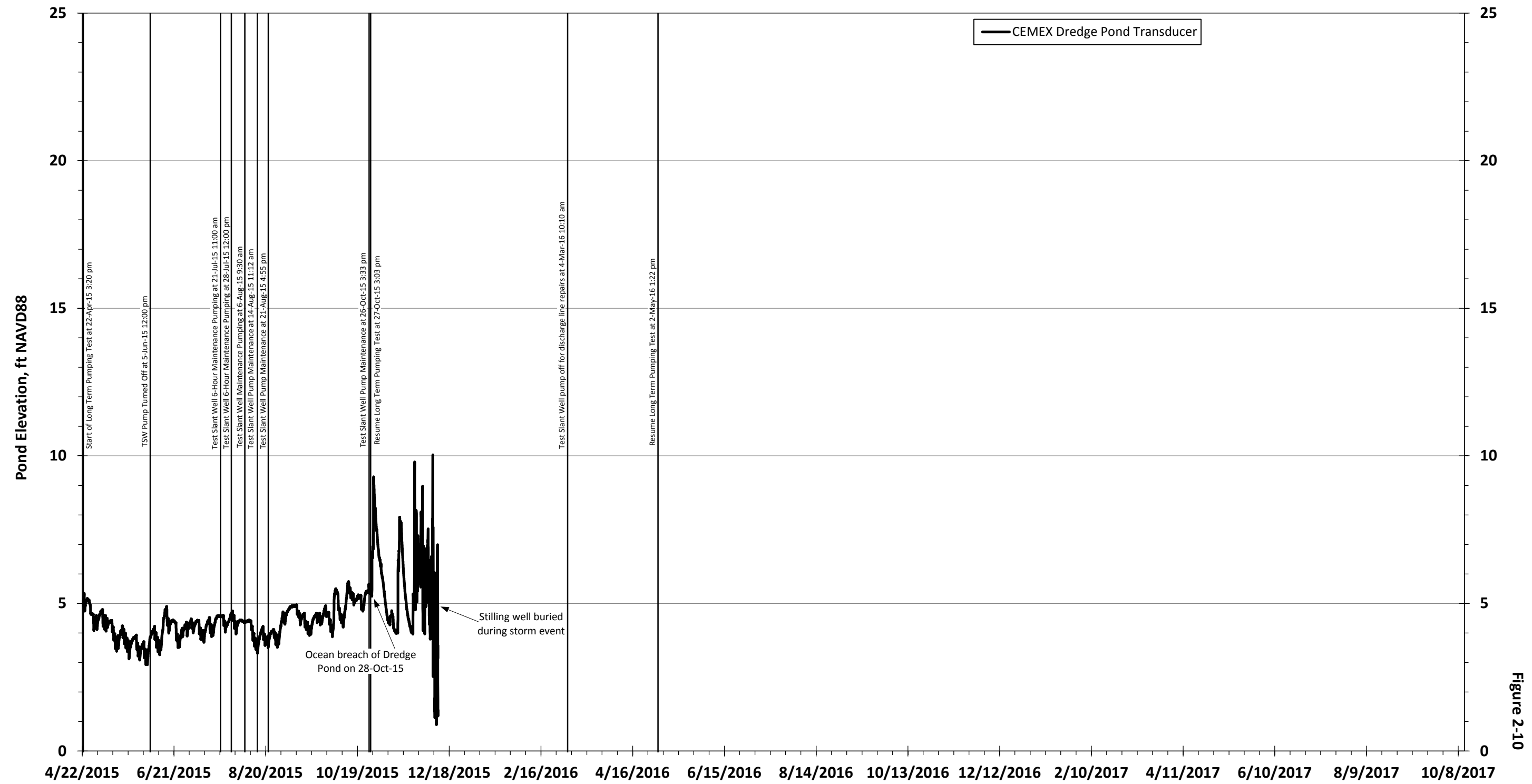


Figure 2-10

Groundwater Elevation in CEMEX North Well

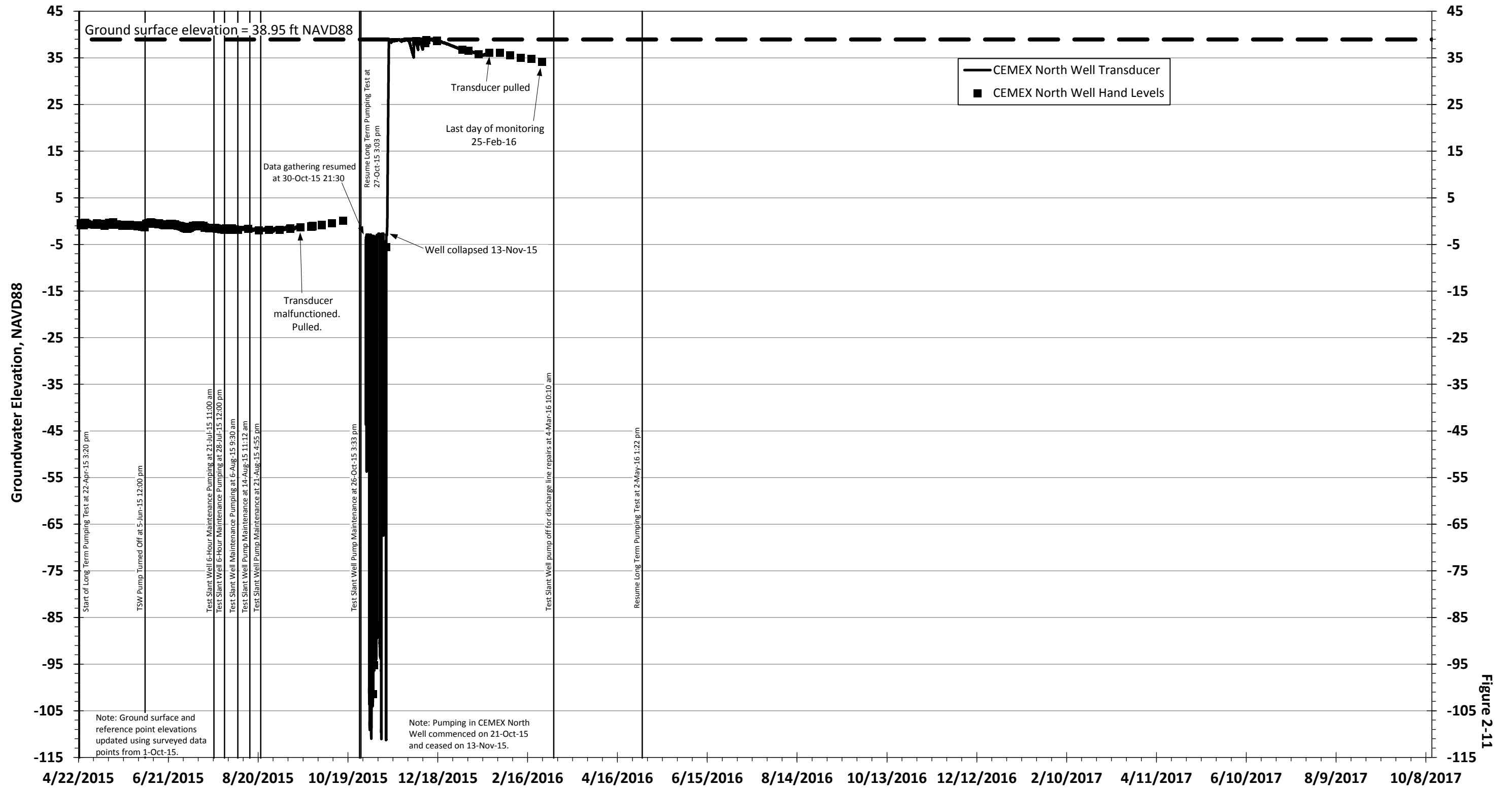
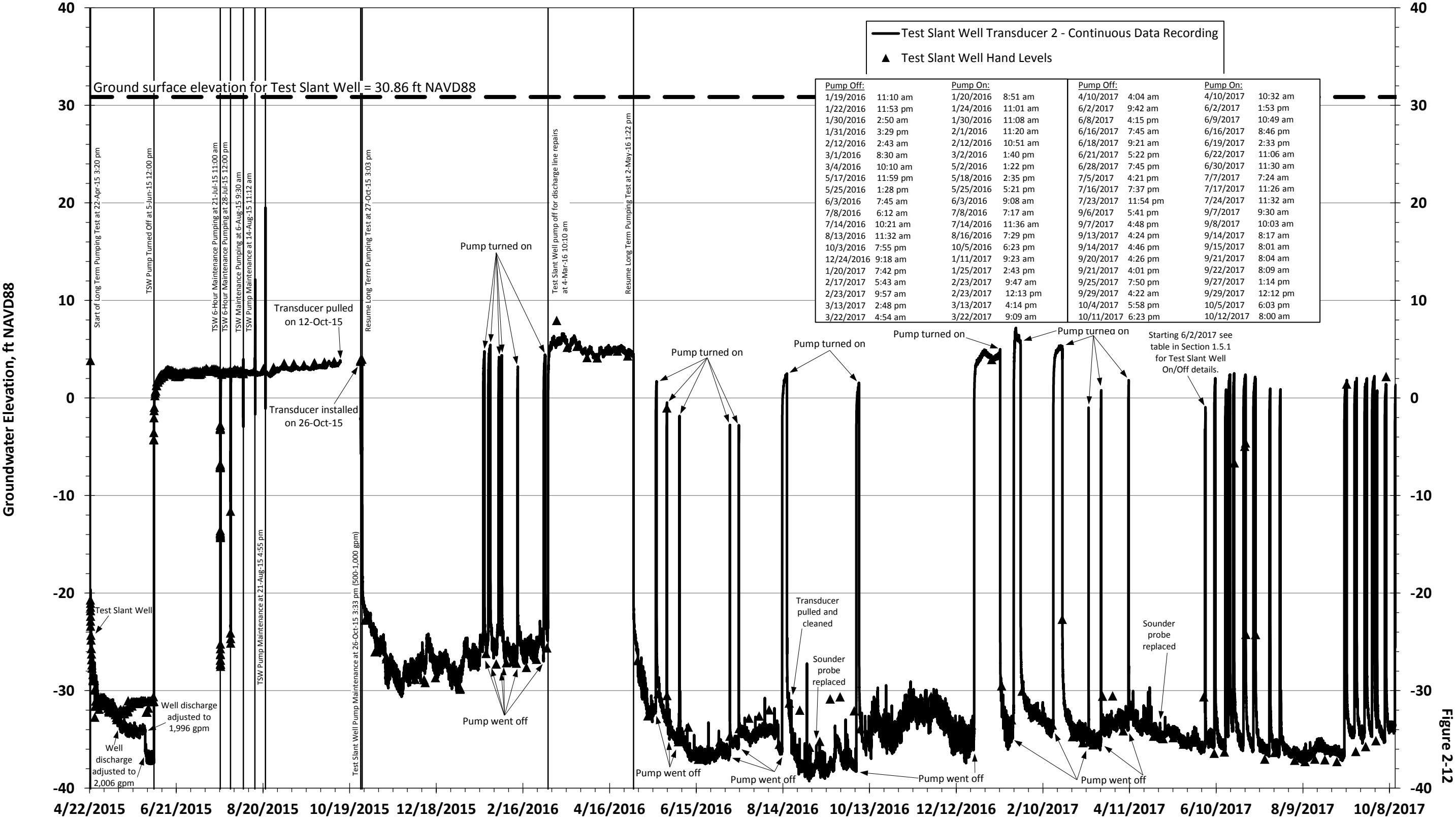
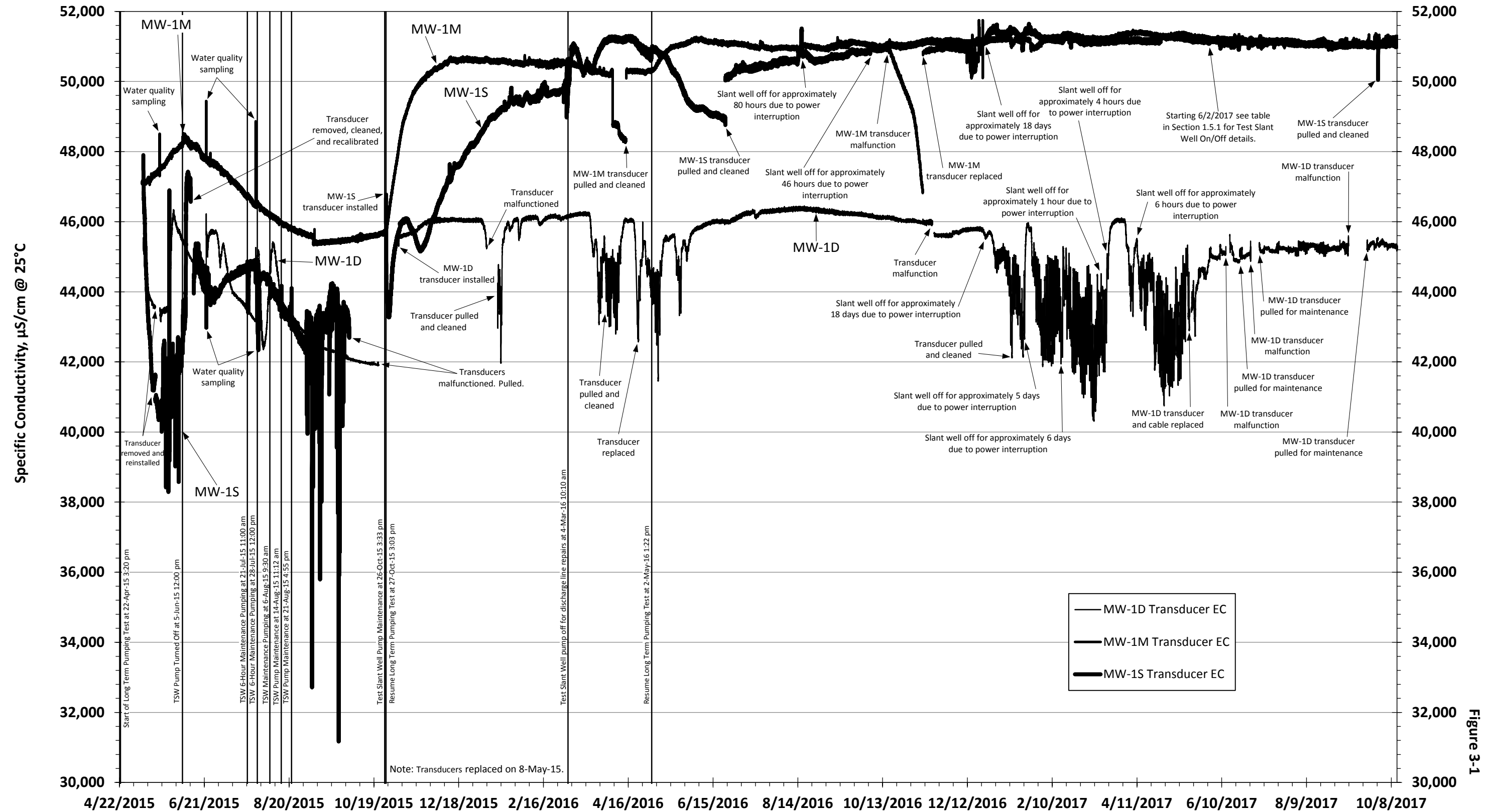


Figure 2-11

Groundwater Elevation in MPWSP Test Slant Well



Specific Conductivity,  $\mu\text{S}/\text{cm}$  @ 25°C

### Figure 3-1

Specific Conductivity in MPWSP MW-3

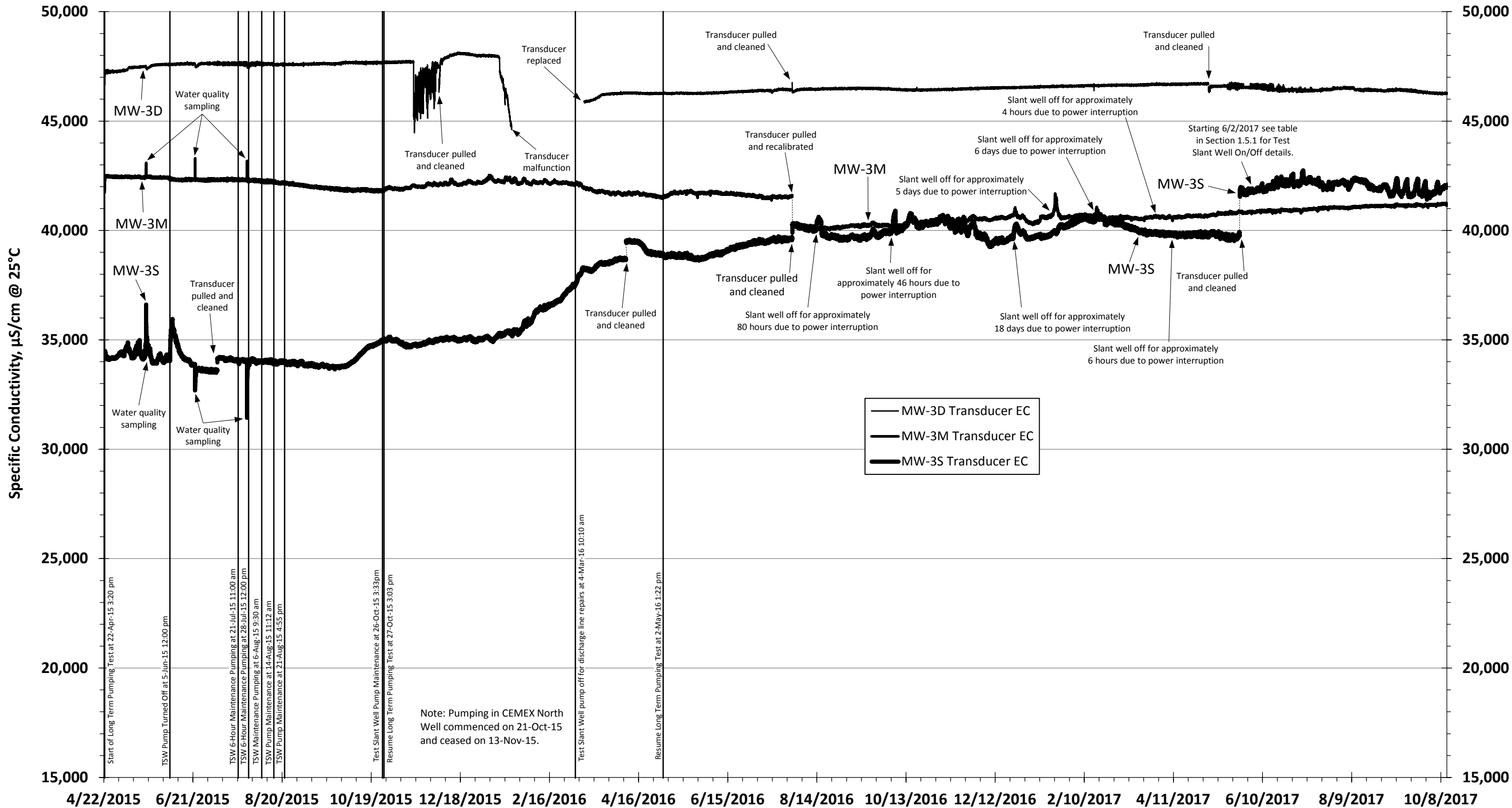


Figure 3-2

Specific Conductivity,  $\mu\text{S}/\text{cm}$  @ 25°C

Specific Conductivity in MPWSP MW-5

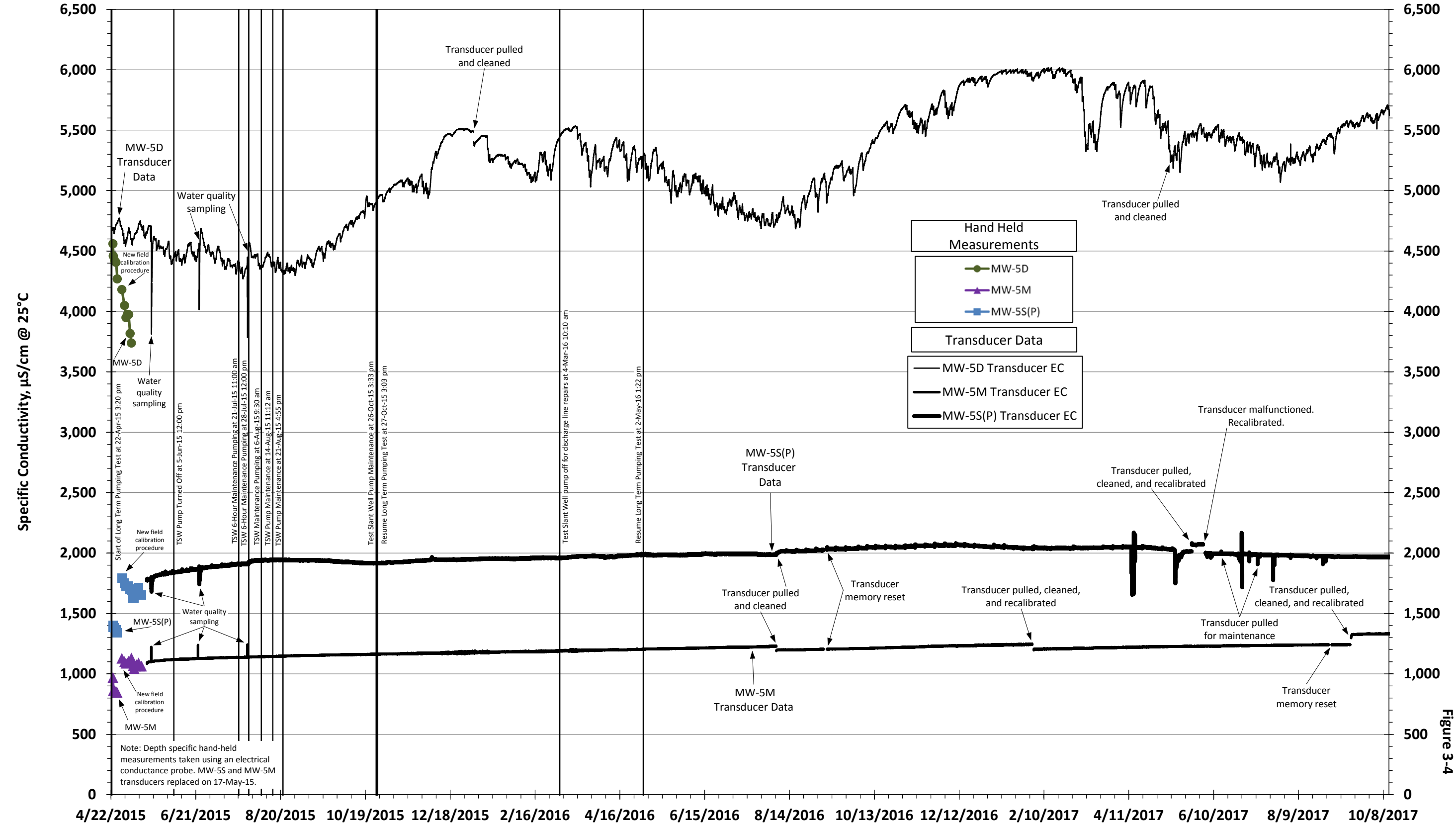


Figure 3-4

Specific Conductivity in MPWSP MW-6

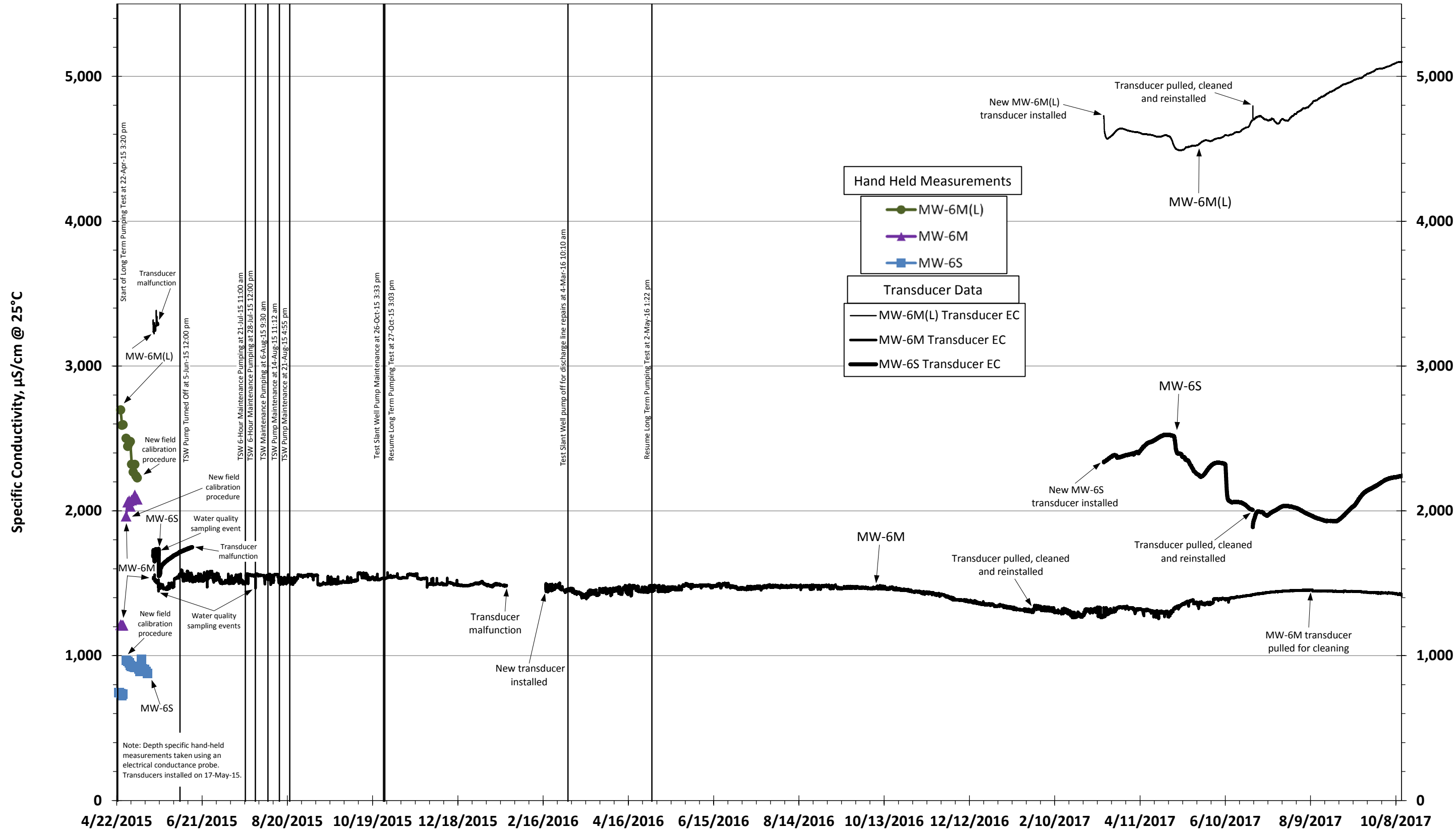


Figure 3-5

Specific Conductivity in MPWSP MW-7

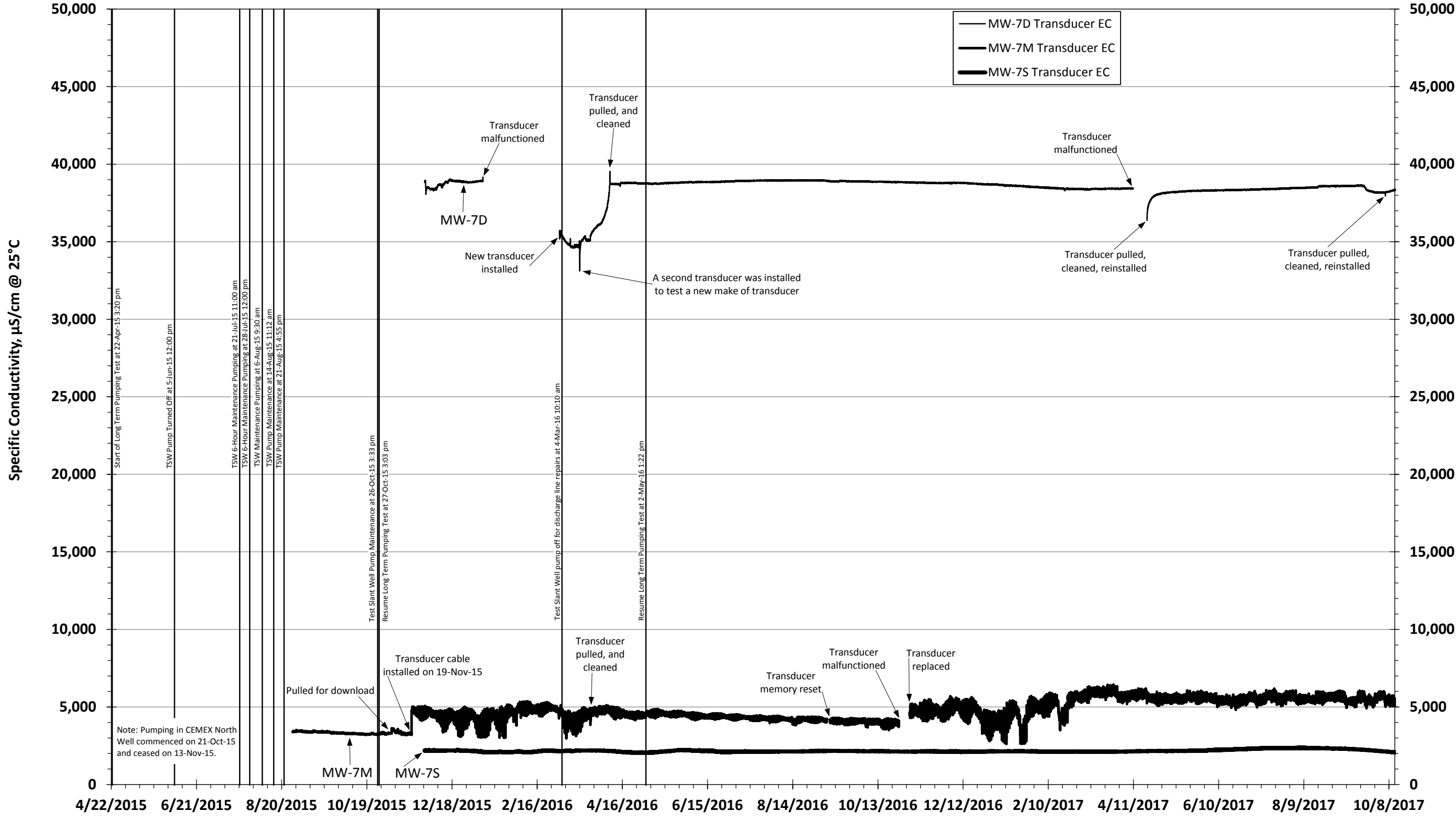


Figure 3-6

Specific Conductivity in MPWSP MW-8

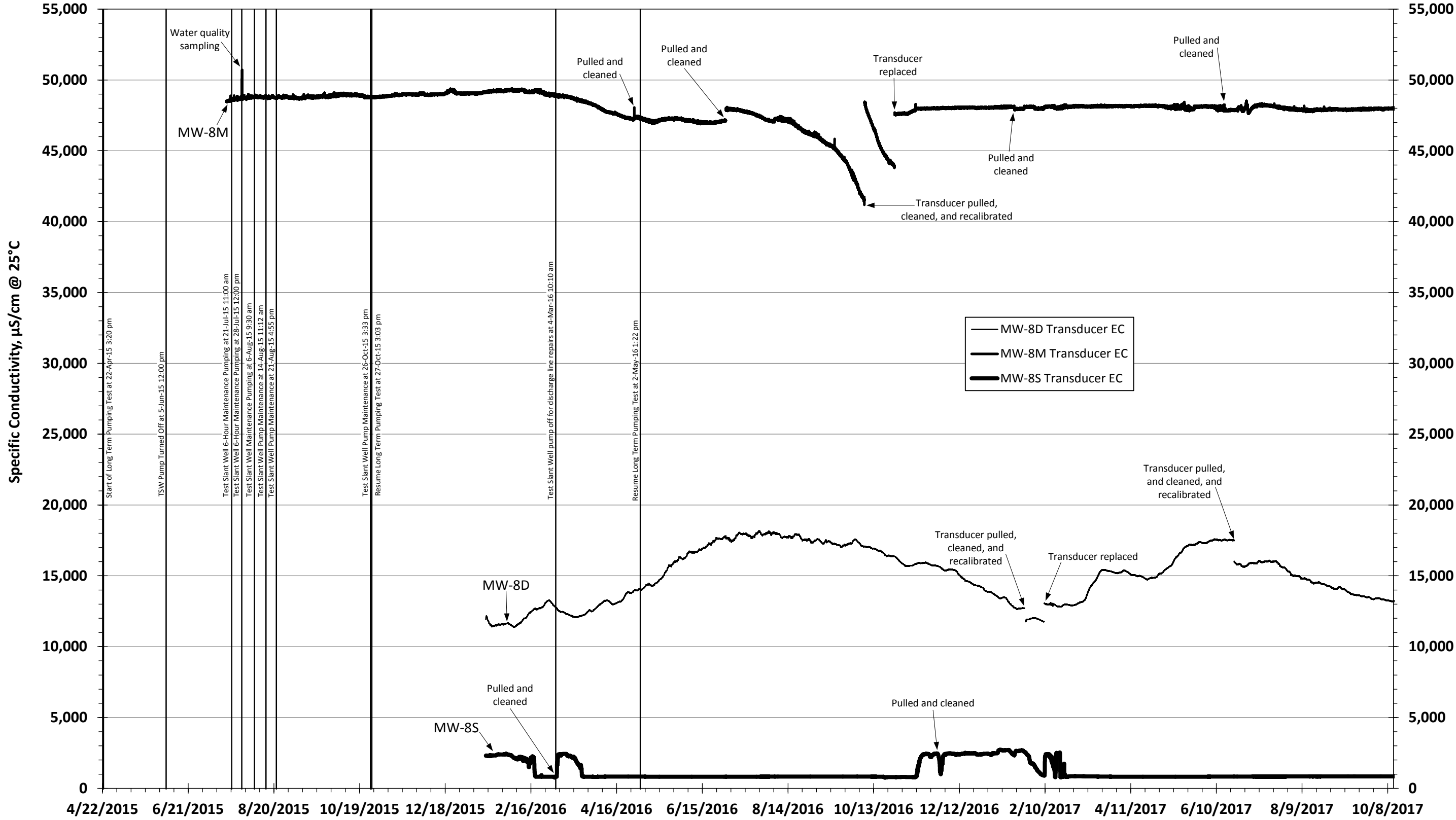
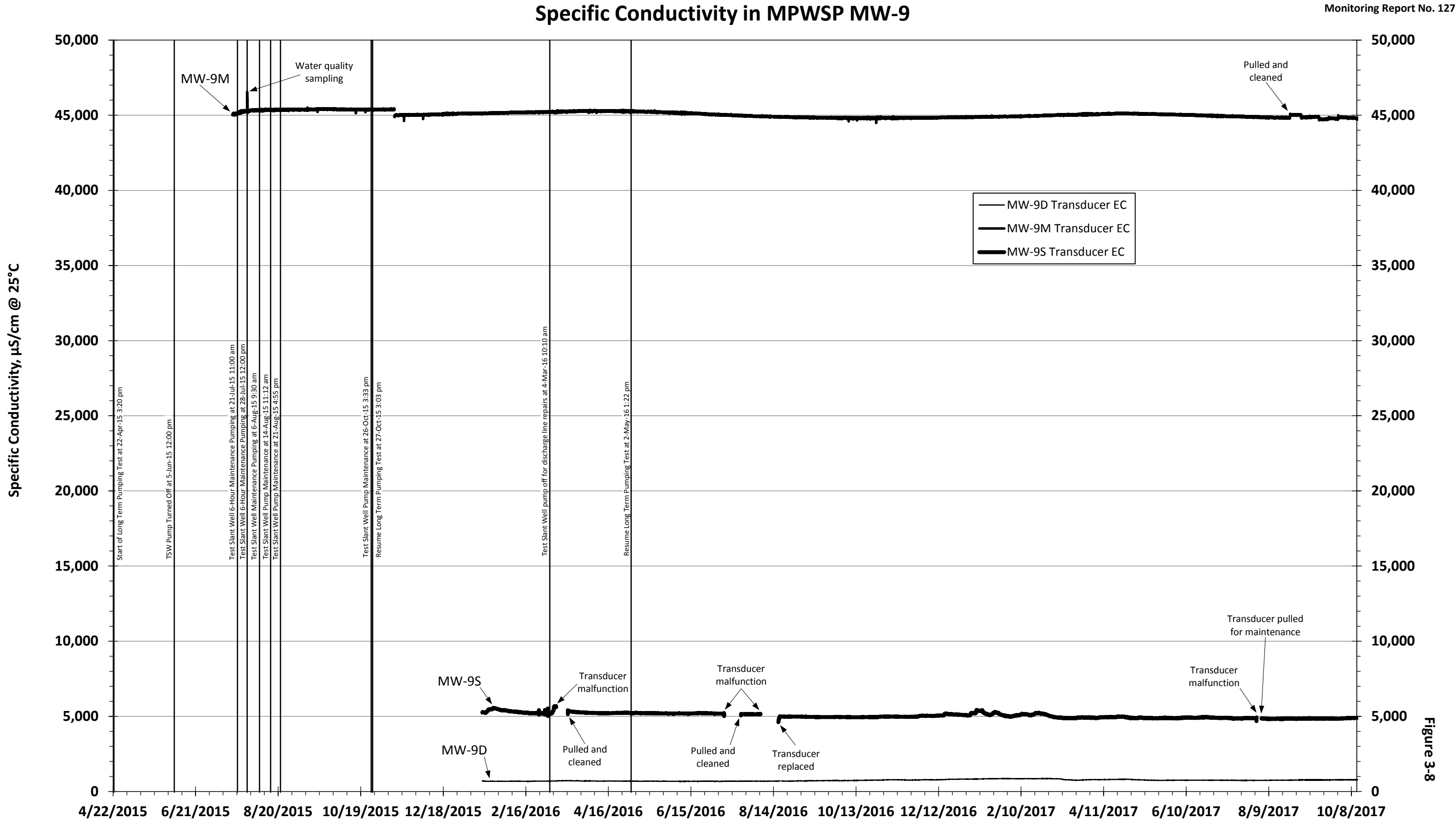


Figure 3-7



Specific Conductivity in Monterey Regional Water Pollution Control Agency Wells

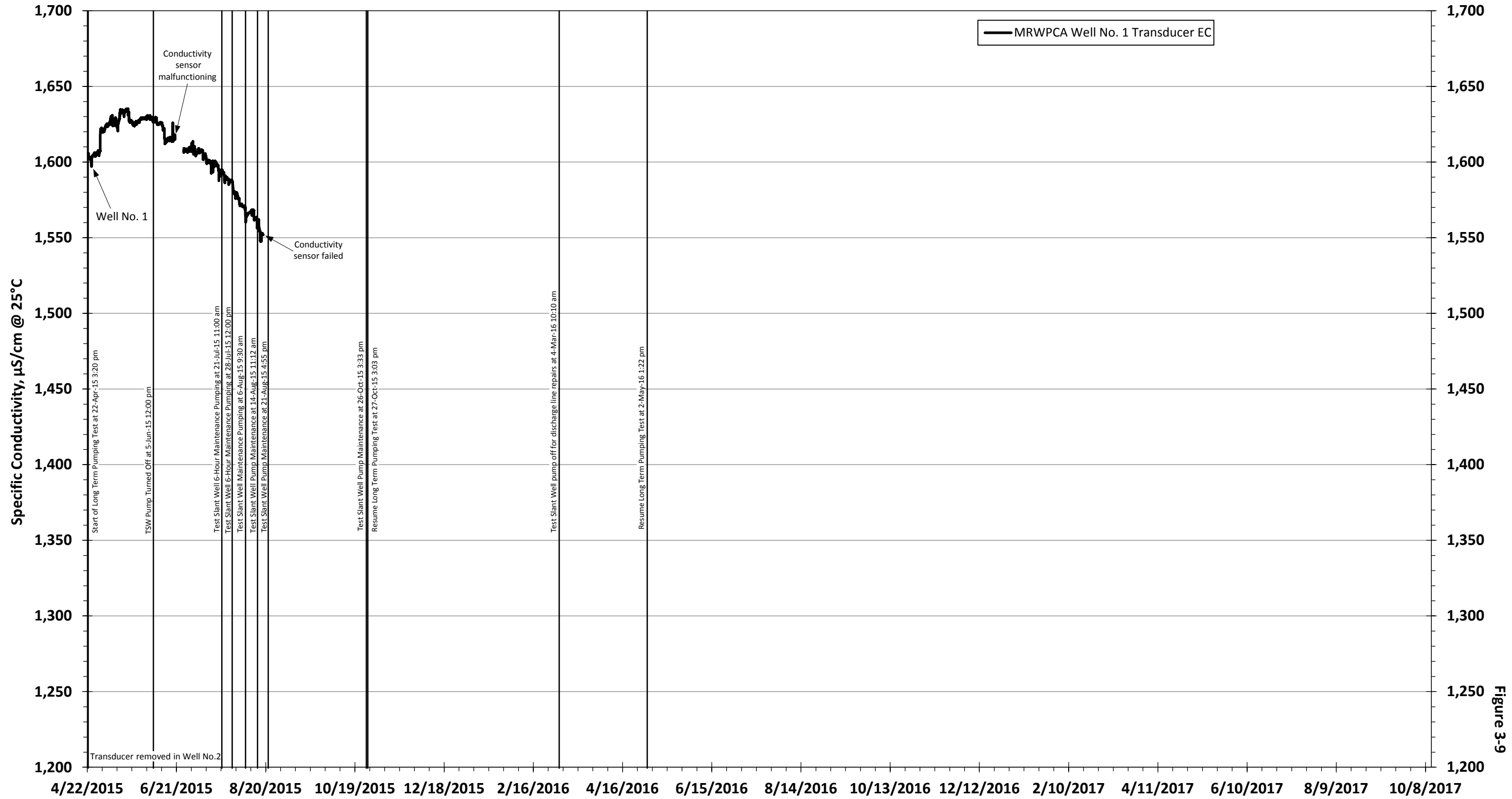


Figure 3-9

Specific Conductivity in CEMEX Dredge Pond

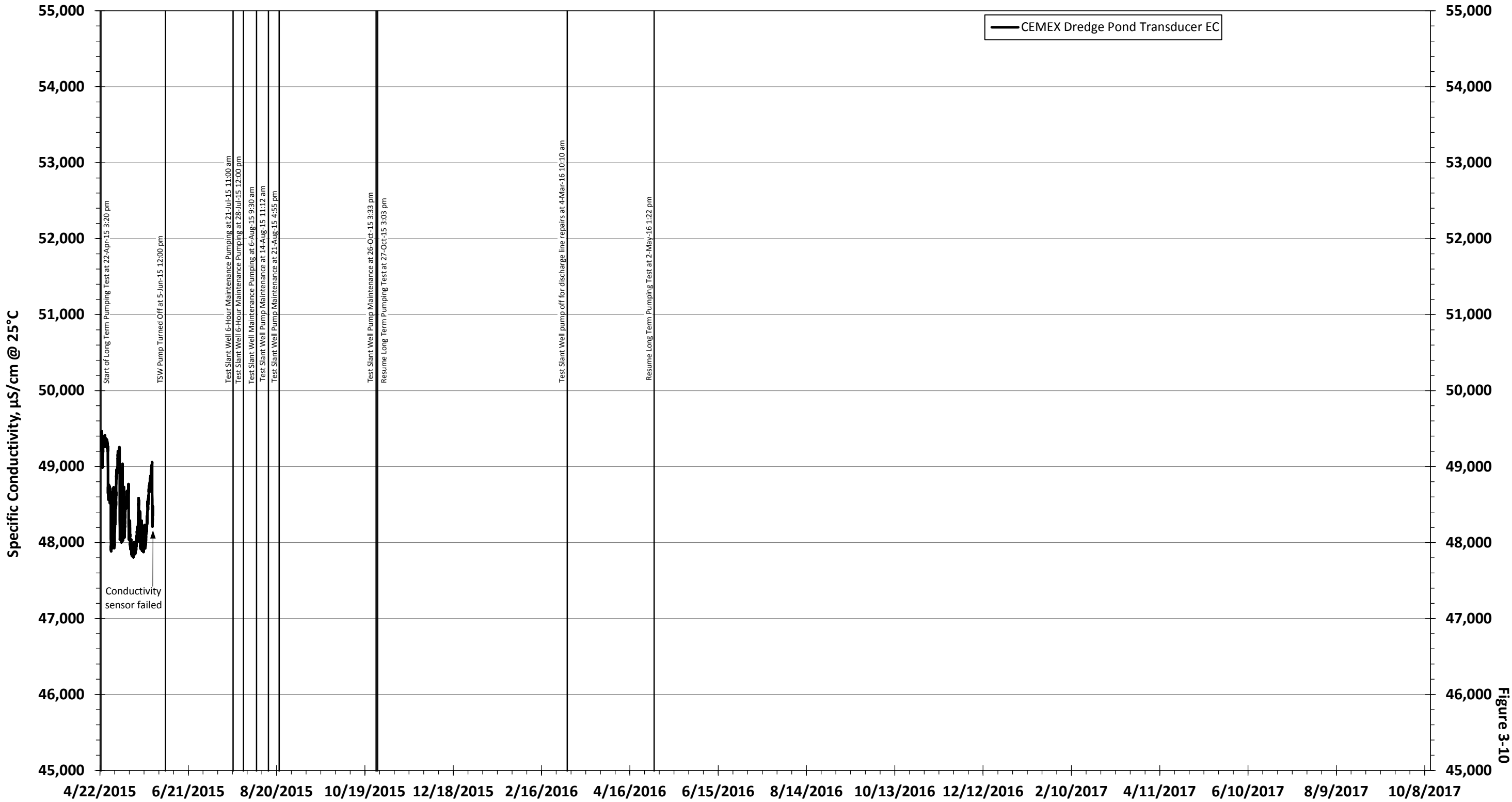


Figure 3-10

Specific Conductivity in CEMEX North Well

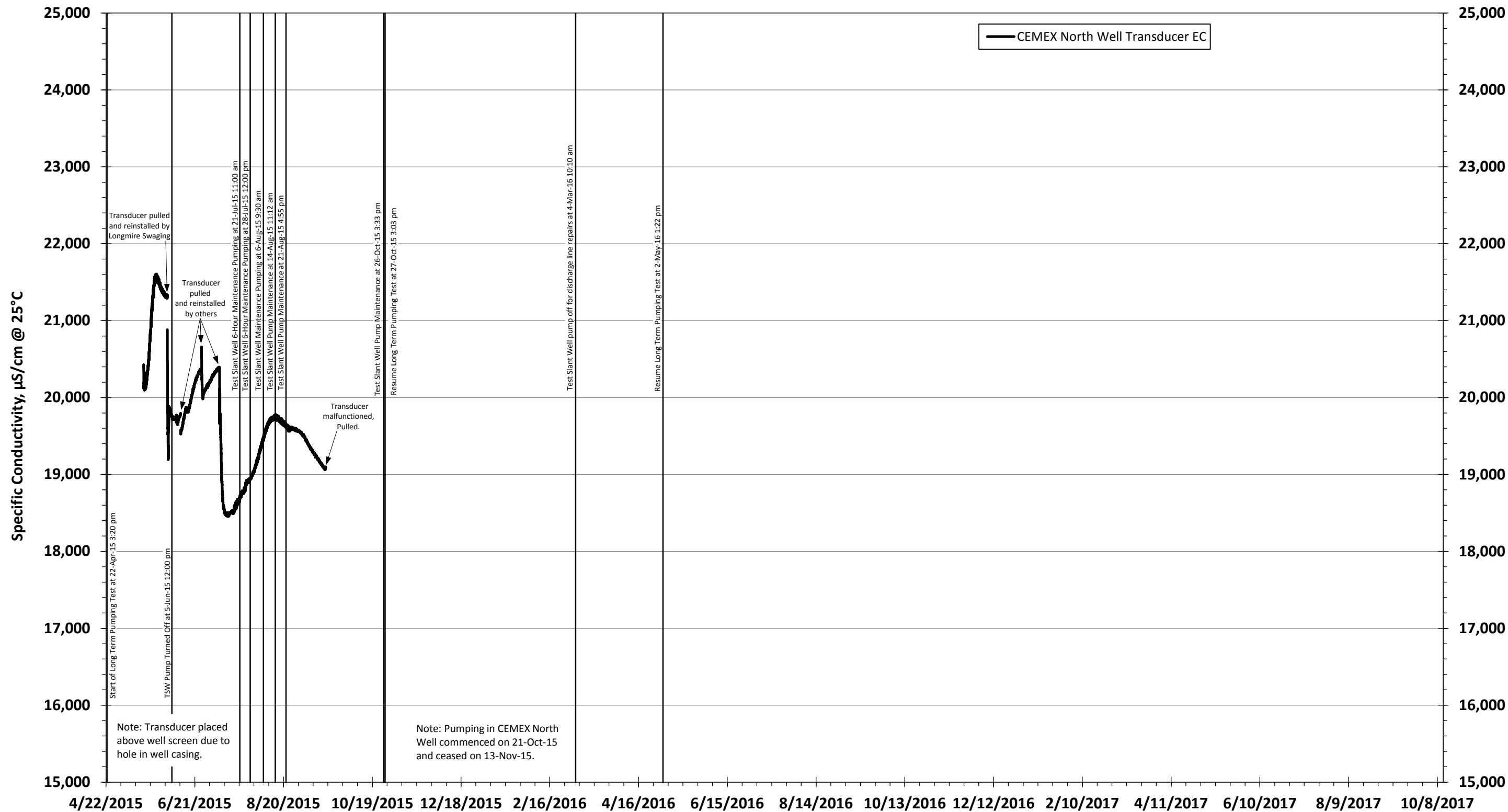
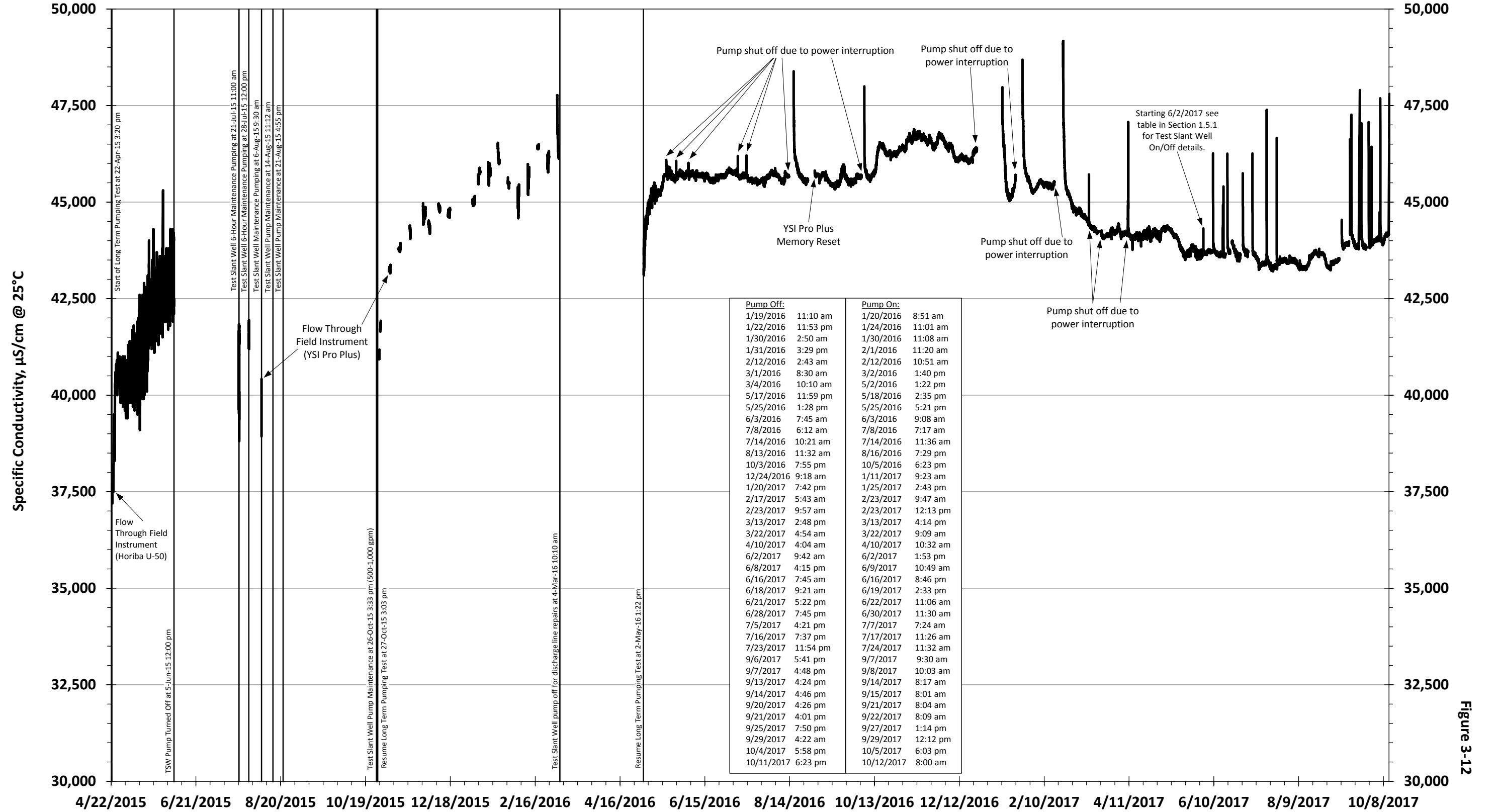


Figure 3-11

Specific Conductivity in MPWSP Test Slant Well



## TABLES



Table 1: Well Information Table

| State Plane Coordinates       |         |                                |              |              |                           |                            |                                                |                                            |                                               |                                                |             |                            |                        |
|-------------------------------|---------|--------------------------------|--------------|--------------|---------------------------|----------------------------|------------------------------------------------|--------------------------------------------|-----------------------------------------------|------------------------------------------------|-------------|----------------------------|------------------------|
| Well Name                     | Cluster | Reference Point (RP)           | Northing     | Easting      | RP Elevation<br>ft NAVD88 | RP Height<br>(ft above GS) | Distance of RP from<br>Slant Well Head<br>(ft) | Top of Screen<br>Interval<br>(ft below GS) | Bottom of Screen<br>Interval<br>(ft below GS) | Transducer<br>Installed Depth<br>(ft below RP) | Survey Date | Data Logging<br>Start Date | Data Collected         |
| MW-1S                         | MW-1    | Top of ABS<br>Transducer Mount | 2,154,745.35 | 5,739,355.82 | 30.51 <sup>1</sup>        | 2.65 <sup>1</sup>          | 211                                            | 55                                         | 95                                            | 76                                             | 26-Mar-15   | 19-Feb-15                  | Level,<br>Conductivity |
| MW-1M                         | MW-1    | Top of ABS<br>Transducer Mount | 2,154,751.93 | 5,739,347.94 | 29.86                     | 2.48                       | 220                                            | 115                                        | 225                                           | 182                                            | 26-Mar-15   | 19-Feb-15                  | Level,<br>Conductivity |
| MW-1D                         | MW-1    | Top of ABS<br>Transducer Mount | 2,154,753.60 | 5,739,337.98 | 29.68 <sup>1</sup>        | 2.65 <sup>1</sup>          | 230                                            | 277                                        | 327                                           | 309                                            | 26-Mar-15   | 19-Feb-15                  | Level,<br>Conductivity |
| MW-3S                         | MW-3    | Top of ABS<br>Transducer Mount | 2,154,599.85 | 5,739,977.02 | 37.16                     | 2.66                       | 428                                            | 50                                         | 90                                            | 76                                             | 26-Mar-15   | 4-Mar-15                   | Level,<br>Conductivity |
| MW-3M                         | MW-3    | Top of ABS<br>Transducer Mount | 2,154,592.96 | 5,739,988.54 | 37.35                     | 2.73                       | 441                                            | 105                                        | 215                                           | 182                                            | 26-Mar-15   | 4-Mar-15                   | Level,<br>Conductivity |
| MW-3D                         | MW-3    | Top of ABS<br>Transducer Mount | 2,154,589.81 | 5,739,998.68 | 36.93                     | 2.74                       | 451                                            | 285                                        | 330                                           | 321                                            | 26-Mar-15   | 4-Mar-15                   | Level,<br>Conductivity |
| MW-4S                         | MW-4    | Top of ABS<br>Transducer Mount | 2,154,170.90 | 5,741,427.62 | 41.96                     | 2.26                       | 1,940                                          | 60                                         | 100                                           | 66                                             | 26-Mar-15   | 9-Mar-15                   | Level,<br>Conductivity |
| MW-4M                         | MW-4    | Top of ABS<br>Transducer Mount | 2,154,172.79 | 5,741,416.78 | 41.99                     | 2.15                       | 1,929                                          | 130                                        | 260                                           | 208                                            | 26-Mar-15   | 9-Mar-15                   | Level,<br>Conductivity |
| MW-4D                         | MW-4    | Top of ABS<br>Transducer Mount | 2,154,174.30 | 5,741,406.08 | 41.95                     | 2.15                       | 1,918                                          | 290                                        | 330                                           | 317                                            | 26-Mar-15   | 20-Feb-15                  | Level,<br>Conductivity |
| MW-5S(P)                      | MW-5    | Top of ABS<br>Transducer Mount | 2,156,239.19 | 5,748,566.86 | 80.25 <sup>1</sup>        | 2.20 <sup>1</sup>          | 9,135                                          | 43                                         | 83                                            | 71                                             | 26-Mar-15   | 10-Mar-15                  | Level,<br>Conductivity |
| MW-5M                         | MW-5    | Top of ABS<br>Transducer Mount | 2,156,230.38 | 5,748,564.26 | 80.48 <sup>1</sup>        | 2.31 <sup>1</sup>          | 9,131                                          | 100                                        | 310                                           | 171                                            | 26-Mar-15   | 10-Mar-15                  | Level,<br>Conductivity |
| MW-5D                         | MW-5    | Top of ABS<br>Transducer Mount | 2,156,220.77 | 5,748,560.95 | 80.06                     | 1.97                       | 9,126                                          | 395                                        | 435                                           | 417                                            | 26-Mar-15   | 19-Feb-15                  | Level,<br>Conductivity |
| MW-6S                         | MW-6    | Top of ABS<br>Transducer Mount | 2,141,142.87 | 5,756,164.01 | 35.89                     | 2.45 <sup>1</sup>          | 21,436                                         | 30                                         | 60                                            | 54                                             | 1-Oct-15    | 22-Apr-15                  | Level,<br>Conductivity |
| MW-6M                         | MW-6    | Top of ABS<br>Transducer Mount | 2,141,138.40 | 5,756,154.35 | 35.68                     | 2.44 <sup>1</sup>          | 21,431                                         | 150                                        | 210                                           | 184                                            | 1-Oct-15    | 22-Apr-15                  | Level,<br>Conductivity |
| MW-6M(L)                      | MW-6    | Top of ABS<br>Transducer Mount | 2,141,133.06 | 5,756,144.94 | 35.82                     | 2.42 <sup>1</sup>          | 21,427                                         | 255                                        | 325                                           | 315                                            | 1-Oct-15    | 22-Apr-15                  | Level,<br>Conductivity |
| MW-7S                         | MW-7    | Top of ABS<br>Transducer Mount | 2,152,099.25 | 5,744,148.10 | 50.64                     | 2.06                       | 5,274                                          | 60                                         | 80                                            | 72                                             | 1-Oct-15    | 13-Aug-15                  | Level,<br>Conductivity |
| MW-7M                         | MW-7    | Top of ABS<br>Transducer Mount | 2,152,110.46 | 5,744,146.08 | 50.29                     | 2.09                       | 5,266                                          | 130                                        | 220                                           | 187                                            | 1-Oct-15    | 13-Aug-15                  | Level,<br>Conductivity |
| MW-7D                         | MW-7    | Top of ABS<br>Transducer Mount | 2,152,120.50 | 5,744,144.38 | 50.24                     | 2.24                       | 5,260                                          | 295                                        | 345                                           | 322                                            | 1-Oct-15    | 13-Aug-15                  | Level,<br>Conductivity |
| MW-8S                         | MW-8    | Top of ABS<br>Transducer Mount | 2,159,440.33 | 5,744,871.52 | 19.96                     | 2.14 <sup>3</sup>          | 7,116                                          | 40                                         | 80                                            | 61                                             | 1-Oct-15    | 30-May-15                  | Level,<br>Conductivity |
| MW-8M                         | MW-8    | Top of ABS<br>Transducer Mount | 2,159,430.86 | 5,744,866.05 | 19.99                     | 2.17 <sup>2</sup>          | 7,106                                          | 125                                        | 215                                           | 181                                            | 1-Oct-15    | 30-May-15                  | Level,<br>Conductivity |
| MW-8D                         | MW-8    | Top of ABS<br>Transducer Mount | 2,159,421.47 | 5,744,861.04 | 20.08                     | 2.10 <sup>3</sup>          | 7,096                                          | 300                                        | 350                                           | 326                                            | 1-Oct-15    | 30-May-15                  | Level,<br>Conductivity |
| MW-9S                         | MW-9    | Top of ABS<br>Transducer Mount | 2,162,010.77 | 5,747,345.03 | 18.42                     | 2.16 <sup>3</sup>          | 10,677                                         | 30                                         | 110                                           | 71                                             | 1-Oct-15    | 1-Jul-15                   | Level,<br>Conductivity |
| MW-9M                         | MW-9    | Top of ABS<br>Transducer Mount | 2,162,016.58 | 5,747,353.64 | 18.32                     | 2.13 <sup>2</sup>          | 10,687                                         | 145                                        | 225                                           | 182                                            | 1-Oct-15    | 29-Jun-15                  | Level,<br>Conductivity |
| MW-9D                         | MW-9    | Top of ABS<br>Transducer Mount | 2,162,022.89 | 5,747,362.25 | 18.32                     | 2.15 <sup>3</sup>          | 10,697                                         | 353                                        | 393                                           | 377                                            | 1-Oct-15    | 26-Jun-15                  | Level,<br>Conductivity |
| Well No. 1 <sup>4</sup>       | MRWPCA  | Well Cover                     | 2,151,622.14 | 5,750,015.59 | 114 ft amsl (GS)          | 1.60                       | 10,898                                         | 260                                        | 340                                           | 299                                            | -           | 19-Feb-15                  | Level,<br>Conductivity |
| Well No. 2 <sup>4</sup>       | MRWPCA  | Well Cover                     | 2,151,550.18 | 5,749,987.41 | 115 ft amsl (GS)          | 1.65                       | 10,892                                         | 260                                        | 340                                           | 319                                            | -           | 19-Feb-15                  | Level,<br>Conductivity |
| CEMEX Dredge Pond             | CEMEX   | Top of ABS<br>Transducer Mount | 2,155,912.41 | 5,739,497.26 | 14.14                     | 8.92 <sup>*</sup>          | 1,212                                          | -                                          | -                                             | -                                              | 26-Mar-15   | 8-Mar-15                   | Level,<br>Conductivity |
| Test Slant Well               | CEMEX   | Near Ground<br>Surface         | 2,154,702.56 | 5,739,561.92 | 30.86                     | 0                          | 0                                              | 46 <sup>**</sup>                           | 231 <sup>**</sup>                             | 305MD                                          | 26-Mar-15   | 1-Apr-15                   | Level,<br>Conductivity |
| CEMEX North Well              | CEMEX   | Well Cover                     | 2,154,284.48 | 5,741,032.07 | 39.20                     | 0.25                       | 1,529                                          | 244                                        | 481                                           | 150                                            | 1-Oct-15    | 1-Apr-15                   | Level,<br>Conductivity |
| CEMEX South Well <sup>d</sup> | CEMEX   | Ground Surface                 | 2,154,213.90 | 5,740,998.57 | 31 ft amsl (GS)           | 0                          | 1,518                                          | 400                                        | 506                                           | -                                              | -           | -                          | -                      |

|                                                                                                              |                          |                                                                   |                                                                                 |
|--------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Horizontal Datum:                                                                                            | NAD83 State Plane Zone 4 | <sup>1</sup> RP/elevation change on May 17, 2015 - New caps       | MD: Measured Depth - lineal feet along the angle of the slant well              |
| Vertical Datum:                                                                                              | NAVD88                   | <sup>2</sup> RP/elevation change on July 17, 2015 - New caps      | GS: Ground Surface - approximate ground surface elevation based on Google Earth |
| * RP height above pond water level 5.22 ft NAVD88 (8-11 am 26-Mar-15)                                        |                          | <sup>3</sup> RP/elevation change on September 24, 2015 - New caps |                                                                                 |
| ** Top of 18 in. screen = 140 ft x Sin(19) = 46 ft TVD, Bottom of 14 in. screen = 710 x Sin(19) = 231 ft TVD |                          | <sup>4</sup> Estimated - not surveyed.                            |                                                                                 |

Table 2: Summary of Test Slant Well Laboratory Water Quality Results

| Sample Collection Date:                  |                              |             | 8-Apr-15 | 29-Apr-15 | 6-May-15 | 13-May-15 | 20-May-15 | 27-May-15 | 3-Jun-15 | 28-Oct-15 | 12-Nov-15 | 19-Nov-15 |
|------------------------------------------|------------------------------|-------------|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|
| Constituent                              | Method                       | Units       | Result   | Result    | Result   | Result    | Result    | Result    | Result   | Result    | Result    | Result    |
| Alkalinity, Total (as CaCO3)             | SM2320B                      | mg/L        | 117      | -         | 121      | 120       | 121       | 118       | 124      | -         | -         | 117       |
| Aluminum, Total                          | EPA 200.8                    | µg/L        | ND       | -         | 70       | ND        | ND        | 321       | ND       | -         | -         | ND        |
| Ammonia-N, Dissolved                     | SM4500NH3 D & EPA 350.1      | mg/L        | ND       | -         | ND       | ND        | ND        | ND        | ND       | ND        | -         | ND        |
| Arsenic, Total <sup>1</sup>              | EPA 200.8                    | µg/L        | 33       | -         | 31       | 31        | 38        | 38        | 37       | -         | -         | 38        |
| Arsenic, Total                           | EPA 1640                     | µg/L        | -        | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| Barium, Dissolved                        | EPA 200.8                    | µg/L        | 95       | -         | 106      | 106       | 100       | 110       | 87       | -         | -         | 88        |
| Bicarbonate (as HCO3-)                   | SM2320B                      | mg/L        | 143      | -         | 148      | 146       | 148       | 144       | 151      | -         | -         | 143       |
| Boron, Dissolved                         | EPA 200.7                    | mg/L        | 2.6      | -         | 2.51     | 3.10      | 2.88      | 2.71      | 2.86     | -         | -         | 3.37      |
| Bromide, Dissolved                       | EPA 300.0                    | mg/L        | 37.0     | -         | 45       | 45        | 48.7      | 48        | 47.4     | -         | -         | 53.6      |
| Calcium                                  | EPA 200.7                    | mg/L        | 349      | -         | 621      | 606       | 607       | 587       | 598      | -         | -         | 541       |
| Calcium, Dissolved                       | EPA 200.7                    | mg/L        | 371      | -         | 581      | 660       | 595       | 584       | 583      | -         | -         | 551       |
| Carbamates by HPLC (EPA 531)             | EPA 531                      | µg/L        | ND       | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| Carbonate as CaCO3                       | SM2320B                      | mg/L        | ND       | -         | ND       | ND        | ND        | ND        | ND       | -         | -         | ND        |
| Chloride, Dissolved                      | EPA 300.0                    | mg/L        | 13,830   | -         | 14,476   | 14,344    | 15,724    | 15,721    | 15,869   | -         | -         | 14,186    |
| Chlorinated Pesticides and PCB (EPA 508) | EPA 508                      | µg/L        | ND       | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| Color, Apparent (Unfiltered)             | SM2120B                      | Color Units | 4        | -         | 4        | ND        | ND        | ND        | ND       | 6         | -         | 4         |
| Copper                                   | EPA 200.7                    | µg/L        | -        | -         | -        | -         | -         | ND        | ND       | -         | -         | ND        |
| Copper, Total                            | EPA 200.8                    | µg/L        | 44       | -         | 75       | 74        | 40        | -         | -        | -         | -         | -         |
| DBCP & EDB                               | EPA 504.1                    | µg/L        | ND       | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| Dioxin                                   | EPA 1613                     | pg/L        | ND       | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| Diquat (EPA 549)                         | EPA 549                      | µg/L        | ND       | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| Dissolved Anions                         | Calculation                  | Meq/L       | 431.33   | -         | 453.50   | 451.38    | 491.70    | 491.97    | 496.41   | -         | -         | 447.47    |
| Total Anions                             | Calculation                  | Meq/L       | 431.33   | -         | 453.50   | 451.38    | 491.70    | 491.97    | 496.41   | -         | -         | 447.47    |
| Dissolved Cations                        | Calculation                  | Meq/L       | 455.09   | -         | 435.45   | 479.03    | 508.91    | 458.32    | 460.38   | -         | -         | 494.88    |
| Total Cations                            | Calculation                  | Meq/L       | 430.99   | -         | 477.91   | 445.16    | 524.66    | 458.67    | 465.32   | -         | -         | 483.86    |
| Fluoride, Dissolved                      | EPA 300.0                    | mg/L        | 0.2      | -         | 0.7      | ND        | ND        | 0.7       | ND       | -         | -         | 0.8       |
| Hardness (as CaCO3)                      | SM2340B/Calc                 | mg/L        | 4,751    | -         | 5,879    | 5,796     | 6,066     | 5,748     | 5,924    | -         | -         | 5,798     |
| Hydroxide                                | SM2320B                      | mg/L        | ND       | -         | ND       | ND        | ND        | ND        | ND       | -         | -         | ND        |
| Iodide                                   | EPA 9056M                    | µg/L        | ND       | -         | ND       | ND        | ND        | ND        | ND       | -         | -         | ND        |
| Iron                                     | EPA 200.7                    | µg/L        | 69       | -         | 99       | ND        | ND        | ND        | ND       | -         | -         | ND        |
| Iron, Dissolved                          | EPA 200.7                    | µg/L        | 65       | -         | ND       | ND        | ND        | ND        | ND       | -         | -         | ND        |
| Total Kjeldahl Nitrogen, Dissolved       | SM4500-NH3 B,C,E & EPA 351.1 | mg/L        | ND       | -         | ND       | ND        | ND        | ND        | ND       | -         | -         | ND        |
| Lead, Total                              | EPA 200.8                    | µg/L        | ND       | -         | ND       | ND        | ND        | ND        | ND       | -         | -         | ND        |
| Lithium                                  | EPA 200.8                    | µg/L        | 152      | -         | 169      | 144       | 165       | 250       | 212      | -         | -         | 106       |
| Magnesium                                | EPA 200.7                    | mg/L        | 942      | -         | 1,050    | 1,040     | 1,100     | 1,040     | 1,080    | -         | -         | 1,080     |
| Magnesium, Dissolved                     | EPA 200.7                    | mg/L        | 989      | -         | 970      | 1,110     | 1,080     | 1,040     | 1,060    | -         | -         | 1,110     |
| Manganese, Dissolved                     | EPA 200.7                    | µg/L        | 26       | -         | ND       | ND        | ND        | ND        | ND       | -         | -         | ND        |
| Manganese, Total                         | EPA 200.7                    | µg/L        | 26       | -         | ND       | ND        | ND        | ND        | ND       | -         | -         | ND        |
| MBAS (Surfactants)                       | SM5540C                      | mg/L        | ND       | -         | ND       | ND        | ND        | ND        | ND       | -         | -         | ND        |
| Nitrate as N                             | EPA 300.0                    | mg/L        | -        | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| Nitrate as NO3                           | EPA 300.0                    | mg/L        | 5        | -         | 7        | 8         | ND        | 6         | 8        | -         | -         | 6         |
| Nitrate+Nitrite as N                     | EPA 300.0                    | mg/L        | 1.0      | -         | 1.9      | 1.8       | 1.8       | 1.8       | 1.7      | -         | -         | 1.4       |
| Nitrite as NO2-N, Dissolved              | EPA 300.0                    | mg/L        | ND       | -         | 0.2      | ND        | ND        | 0.3       | ND       | -         | -         | ND        |
| Odor Threshold at 60 C                   | SM2150B                      | TON         | 2        | -         | 1        | 1         | 1         | 1         | 1        | -         | -         | 2         |
| o-Phosphate-P                            | Hach 8048 & EPA 365.1        | mg/L        | 0.10     | -         | 0.12     | 0.13      | 0.12      | 0.11      | 0.13     | -         | -         | 0.14      |
| pH (Field Test)                          | SM4500-H+B                   | pH          | 7.03     | 6.86      | 6.84     | 6.85      | 6.94      | 6.91      | 6.94     | 7.01      | 7.05      | 7.04      |
| pH (Laboratory)                          | SM4500-H+B                   | pH (H)      | 7.2      | -         | 7.4      | 7.4       | 7.4       | 7.4       | 7.4      | 7.2       | -         | 7.1       |
| Phenoxy Acid Herbicides (515.3)          | EPA 515.3                    | µg/L        | ND       | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| Phosphorus, Dissolved Total              | HACH 8190 & EPA 365.1        | mg/L        | 0.09     | -         | 0.10     | 0.13      | 0.13      | 0.07      | 0.14     | -         | -         | 0.10      |
| Potassium                                | EPA 200.7                    | mg/L        | 203      | -         | 212      | 209       | 231       | 220       | 226      | -         | -         | 256       |
| Potassium, Dissolved                     | EPA 200.7                    | mg/L        | 213      | -         | 185      | 230       | 227       | 219       | 220      | -         | -         | 263       |
| QC Ratio TDS/SEC                         | Calculation                  | -           | 0.67     | 0.66      | 0.64     | 0.66      | 0.67      | 0.67      | 0.68     | 0.67      | 0.67      | 0.68      |
| Reg. Org. Compounds (EPA 525)            | EPA 525                      | µg/L        | ND       | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| Salinity                                 | SM2520B                      | psu         | -        | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| Silica as SiO2, Dissolved                | EPA 200.7                    | mg/L        | 20       | -         | 16       | 22        | 19        | 17        | 20       | -         | -         | 19        |
| Sodium                                   | EPA 200.7                    | mg/L        | 7,606    | -         | 8,163    | 7,448     | 9,148     | 7,774     | 7,835    | -         | -         | 8,309     |
| Sodium, Dissolved                        | EPA 200.7                    | mg/L        | 8,040    | -         | 7,400    | 8,020     | 8,840     | 7,770     | 7,780    | -         | -         | 8,490     |
| Specific Conductance (E.C)               | SM2510B                      | µmhos/cm    | 37,860   | 39,500    | 41,110   | 41,800    | 42,100    | 42,410    | 42,950   | 41,400    | 43,940    | 43,730    |
| Specific Conductance (E.C) (Field)       | SM2510B                      | µmhos/cm    | 38,097   | 40,100    | 40,600   | 42,400    | 41,900    | 42,400    | 43,300   | 40,915    | 43,940    | 44,222    |
| Strontium, Dissolved                     | EPA 200.8                    | µg/L        | 7,440    | -         | 7,820    | 8,008     | 8,349     | 7,734     | 7,900    | -         | -         | 7,670     |
| Sulfate, Dissolved                       | EPA 300.0                    | mg/L        | 1,840    | -         | 2,018    | 2,096     | 2,160     | 2,181     | 2,188    | -         | -         | 1,973     |
| Temperature (Field)                      | SM2550                       | ° C         | 17.20    | 16.79     | 16.71    | 16.86     | 16.63     | 16.35     | 16.68    | 18.4      | 17.1      | 17.1      |
| Total Diss. Solids                       | SM2540C                      | mg/L        | 25,400   | 26,000    | 26,300   | 27,600    | 28,400    | 28,500    | 29,100   | 27,700    | 29,400    | 29,800    |
| Turbidity                                | EPA 180.1                    | NTU         | 0.40     | -         | 0.30     | 0.30      | 0.25      | 0.25      | 0.15     | 0.5       | -         | 0.30      |
| Turbidity (Field)                        | EPA 180.1                    | NTU         | 0.74     | 0.84      | 0.69     | 0.76      | 0.30      | 0.29      | 0.353    | 0.59      | 0.98      | 0.61      |
| Volatile Org. Compounds (524)            | EPA 524                      | µg/L        | ND       | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| Zinc                                     | EPA 200.7                    | µg/L        | -        | -         | -        | -         | -         | 142       | ND       | -         | -         | ND        |
| Zinc, Total                              | EPA 200.8                    | µg/L        | ND       | -         | 158      | ND        | 209       | -         | -        | -         | -         | -         |
| PCBs, Total                              | EPA 508                      | µg/L        | ND       | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| Total PCB                                | EPA 1668C                    | pg/L        | -        | -         | 7.68     | -         | ND        | 12.2      | 0.766    | -         | -         | -         |

Notes:

°C = Degrees Celsius  
CU = Color Units  
Meq/L = Milliequivalents per Liter  
mg/L = Milligrams per Liter  
NTU = Nephelometric Turbidity Units  
pg/L = Picograms per Liter  
TON = Threshold Odor Number  
µg/L = Micograms per Liter  
µmhos/cm = Micromhos per Centimeter

ND = NOT DETECTED at or above the Reporting Limit (RL) or Practical Quantitation Limit (PQL). See laboratory water quality reports for RL and PQL values.

<sup>1</sup> Using EPA Method 200.8, Arsenic values are overstated due to matrix interference caused by high chloride levels. The overstated values are in laboratory reports through February 11, 2016. Going forward, EPA Method 1640 will be used for Arsenic analysis only.

Table 2: Summary of Test Slant Well Laboratory Water Quality Results

| Sample Collection Date:                  |                            |             | 30-Nov-15 | 3-Dec-15 | 10-Dec-15 | 17-Dec-15 | 4-Jan-16 | 14-Jan-16 | 21-Jan-16 | 28-Jan-16 | 4-Feb-16 | 11-Feb-16 |
|------------------------------------------|----------------------------|-------------|-----------|----------|-----------|-----------|----------|-----------|-----------|-----------|----------|-----------|
| Constituent                              | Method                     | Units       | Result    | Result   | Result    | Result    | Result   | Result    | Result    | Result    | Result   | Result    |
| Alkalinity, Total (as CaCO3)             | SM2320B                    | mg/L        | 114       | 111      | 113       | 112       | 111      | 110       | 111       | 110       | 109      | 110       |
| Aluminum, Total                          | EPA 200.8                  | µg/L        | ND        | ND       | 53        | ND        | ND       | ND        | ND        | ND        | ND       | ND        |
| Ammonia-N, Dissolved                     | SM4500NH3 D & EPA 350.1    | mg/L        | ND        | ND       | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        |
| Arsenic, Total <sup>1</sup>              | EPA 200.8                  | µg/L        | 45        | 42       | 42        | 40        | 47       | ND        | 48        | 50        | 46       | 42        |
| Arsenic, Total                           | EPA 1640                   | µg/L        | -         | -        | -         | -         | -        | -         | -         | -         | -        | 0.39      |
| Barium, Dissolved                        | EPA 200.8                  | µg/L        | 81        | 88       | 82        | 78        | 78       | 74        | 82        | 74        | 69       | ND        |
| Bicarbonate (as HCO3-)                   | SM2320B                    | mg/L        | 139       | 135      | 138       | 137       | 135      | 134       | 135       | 134       | 133      | 134       |
| Boron, Dissolved                         | EPA 200.7                  | mg/L        | 3.38      | 3.16     | 3.14      | 3.97      | 3.21     | 3.71      | 3.48      | 3.35      | 3.33     | 3.41      |
| Bromide, Dissolved                       | EPA 300.0                  | mg/L        | 53        | 52.6     | 50.2      | 50.2      | 50.0     | 52.4      | 48.2      | 51.3      | 50.1     | 51.8      |
| Calcium                                  | EPA 200.7                  | mg/L        | 582       | 538      | 511       | 657       | 515      | 531       | 493       | 523       | 522      | 523       |
| Calcium, Dissolved                       | EPA 200.7                  | mg/L        | 577       | 532      | 518       | 686       | 511      | 537       | 532       | 523       | 526      | 533       |
| Carbamates by HPLC (EPA 531)             | EPA 531                    | µg/L        | ND        | -        | -         | -         | -        | -         | -         | ND        | -        | -         |
| Carbonate as CaCO3                       | SM2320B                    | mg/L        | ND        | ND       | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        |
| Chloride, Dissolved                      | EPA 300.0                  | mg/L        | 16,111    | 16,383   | 16,257    | 16,579    | 16,510   | 16,972    | 15,685    | 16,798    | 17,195   | 16,980    |
| Chlorinated Pesticides and PCB (EPA 508) | EPA 508                    | µg/L        | ND        | -        | -         | -         | -        | -         | -         | ND        | -        | -         |
| Color, Apparent (Unfiltered)             | SM2120B                    | Color Units | 7         | 4        | ND        | ND        | 3        | 5         | ND        | ND        | ND       | 5         |
| Copper                                   | EPA 200.7                  | µg/L        | ND        | ND       | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        |
| Copper, Total                            | EPA 200.8                  | µg/L        | -         | -        | -         | -         | -        | -         | -         | -         | -        | -         |
| DBCP & EDB                               | EPA 504.1                  | µg/L        | ND        | -        | -         | -         | -        | -         | -         | ND        | -        | -         |
| Dioxin                                   | EPA 1613                   | pg/L        | ND        | -        | -         | -         | -        | -         | -         | ND        | -        | -         |
| Diquat (EPA 549)                         | EPA 549                    | µg/L        | ND        | -        | -         | -         | -        | -         | -         | ND        | -        | -         |
| Dissolved Anions                         | Calculation                | Meq/L       | 503.06    | 503.06   | 507.53    | 516.55    | 514.28   | 529.53    | 493.46    | 524.48    | 535.83   | 529.87    |
| Total Anions                             | Calculation                | Meq/L       | 503.06    | 510.47   | 507.53    | 516.55    | 514.28   | 529.53    | 493.46    | 524.48    | 535.83   | 529.87    |
| Dissolved Cations                        | Calculation                | Meq/L       | 526.37    | 498.07   | 506.84    | 484.86    | 457.70   | 533.96    | 514.92    | 523.20    | 521.97   | 537.19    |
| Total Cations                            | Calculation                | Meq/L       | 544.39    | 500.67   | 500.01    | 510.72    | 466.00   | 526.46    | 484.44    | 516.68    | 524.71   | 526.05    |
| Fluoride, Dissolved                      | EPA 300.0                  | mg/L        | 0.8       | 0.8      | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        |
| Hardness (as CaCO3)                      | SM2340B/Calc               | mg/L        | 6,383     | 5,890    | 5,756     | 6,710     | 5,651    | 5,938     | 5,909     | 5,918     | 5,940    | 5,972     |
| Hydroxide                                | SM2320B                    | mg/L        | ND        | ND       | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        |
| Iodide                                   | EPA 9056M                  | µg/L        | ND        | ND       | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        |
| Iron                                     | EPA 200.7                  | µg/L        | ND        | ND       | ND        | 96        | ND       | ND        | ND        | ND        | ND       | ND        |
| Iron, Dissolved                          | EPA 200.7                  | µg/L        | ND        | ND       | ND        | 126       | ND       | ND        | ND        | ND        | ND       | ND        |
| Total Kjeldahl Nitrogen, Dissolved       | SM4500-NH3 B,C,E & EPA 351 | mg/L        | ND        | ND       | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        |
| Lead, Total                              | EPA 200.8                  | µg/L        | ND        | ND       | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        |
| Lithium                                  | EPA 200.8                  | µg/L        | 135       | 131      | 142       | 149       | 133      | 160       | 129       | 128       | 117      | 170       |
| Magnesium                                | EPA 200.7                  | mg/L        | 1,200     | 1,100    | 1,090     | 1,230     | 1,060    | 1,120     | 1,140     | 1,120     | 1,130    | 1,130     |
| Magnesium, Dissolved                     | EPA 200.7                  | mg/L        | 1,170     | 1,090    | 1,100     | 1,310     | 1,050    | 1,150     | 1,190     | 1,130     | 1,130    | 1,150     |
| Manganese, Dissolved                     | EPA 200.7                  | µg/L        | ND        | ND       | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        |
| Manganese, Total                         | EPA 200.7                  | µg/L        | ND        | ND       | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        |
| MBAS (Surfactants)                       | SM5540C                    | mg/L        | ND        | ND       | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        |
| Nitrate as N                             | EPA 300.0                  | mg/L        | -         | -        | -         | -         | -        | -         | -         | -         | -        | -         |
| Nitrate as NO3                           | EPA 300.0                  | mg/L        | 6         | 6        | 2         | 9         | 8        | 8         | 8         | 8         | 8        | 8         |
| Nitrate+Nitrite as N                     | EPA 300.0                  | mg/L        | 1.4       | 1.3      | 2.0       | 2.0       | 1.9      | 1.9       | 1.8       | 1.8       | 1.8      | 1.8       |
| Nitrite as NO2-N, Dissolved              | EPA 300.0                  | mg/L        | ND        | ND       | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        |
| Odor Threshold at 60 C                   | SM2150B                    | TON         | 2         | 2        | 3         | 1         | 2        | 2         | 1         | 1         | 2        | 1         |
| o-Phosphate-P                            | Hach 8048 & EPA 365.1      | mg/L        | 0.15      | 0.15     | 0.14      | 0.13      | 0.13     | 0.12      | 0.11      | 0.12      | 0.12     | 0.13      |
| pH (Field Test)                          | SM4500-H+B                 | pH          | 7.06      | 8.14     | 7.10      | 7.08      | 7.11     | 7.07      | 7.08      | 7.06      | 7.04     | 7.05      |
| pH (Laboratory)                          | SM4500-H+B                 | pH (H)      | 7.1       | 7.1      | 7.1       | 7.1       | 7.1      | 7.3       | 7.2       | 7.2       | 7.1      | 7.2       |
| Phenoxy Acid Herbicides (515.3)          | EPA 515.3                  | µg/L        | ND        | -        | -         | -         | -        | -         | -         | ND        | -        | -         |
| Phosphorus, Dissolved Total              | HACH 8190 & EPA 365.1      | mg/L        | 0.14      | 0.13     | 0.13      | 0.13      | 0.10     | 0.10      | 0.10      | 0.11      | 0.09     | 0.10      |
| Potassium                                | EPA 200.7                  | mg/L        | 284       | 268      | 266       | 293       | 256      | 275       | 271       | 267       | 270      | 268       |
| Potassium, Dissolved                     | EPA 200.7                  | mg/L        | 281       | 268.0    | 266       | 308       | 254      | 278       | 282       | 272       | 269      | 276       |
| QC Ratio TDS/SEC                         | Calculation                | -           | 0.68      | 0.69     | 0.68      | 0.67      | 0.66     | 0.69      | 0.67      | 0.67      | 0.67     | 0.69      |
| Reg. Org. Compounds (EPA 525)            | EPA 525                    | µg/L        | ND        | -        | -         | -         | -        | -         | -         | ND        | -        | -         |
| Salinity                                 | SM2520B                    | psu         | -         | -        | -         | -         | -        | -         | -         | -         | -        | -         |
| Silica as SiO2, Dissolved                | EPA 200.7                  | mg/L        | 18        | 16       | 16        | 20        | 16       | 20        | 17        | 15        | 14       | 14        |
| Sodium                                   | EPA 200.7                  | mg/L        | 9,410     | 8,654    | 8,691     | 8,488     | 7,966    | 9,213     | 8,255     | 9,002     | 9,167    | 9,198     |
| Sodium, Dissolved                        | EPA 200.7                  | mg/L        | 9,060     | 8,620    | 8,820     | 7,700     | 7,800    | 9,320     | 8,810     | 9,130     | 9,100    | 9,400     |
| Specific Conductance (E.C)               | SM2510B                    | µmhos/cm    | 44,110    | 44,470   | 44,380    | 44,870    | 45,370   | 45,720    | 46,900    | 45,720    | 45,790   | 45,650    |
| Specific Conductance (E.C) (Field)       | SM2510B                    | µmhos/cm    | 44,835    | 44,246   | 44,834    | 44,649    | 45,090   | 45,937    | 46,026    | 45,487    | 45,392   | 45,697    |
| Strontium, Dissolved                     | EPA 200.8                  | µg/L        | 7,767     | 7,668    | 7,444     | 7,194     | 7,306    | 7,800     | 7,481     | 7,503     | 5,865    | 5,796     |
| Sulfate, Dissolved                       | EPA 300.0                  | mg/L        | 2,187     | 2,177    | 2,204     | 2,202     | 2,188    | 2,294     | 2,307     | 2,288     | 2,297    | 2,300     |
| Temperature (Field)                      | SM2550                     | ° C         | 16.3      | 16.9     | 16.9      | 16.7      | 15.6     | 15.2      | 15.5      | 15.3      | 15.5     | 15.9      |
| Total Diss. Solids                       | SM2540C                    | mg/L        | 29,800    | 30,900   | 30,200    | 30,200    | 30,100   | 31,700    | 31,400    | 30,600    | 30,500   | 31,400    |
| Turbidity                                | EPA 180.1                  | NTU         | 0.30      | 0.15     | 0.40      | 0.25      | 0.30     | 0.35      | 0.30      | 0.10      | 0.15     | 0.25      |
| Turbidity (Field)                        | EPA 180.1                  | NTU         | 1.15      | 0.64     | 0.67      | 0.36      | 0.31     | 0.37      | 0.09      | 0.11      | 0.64     | 0.35      |
| Volatile Org. Compounds (524)            | EPA 524                    | µg/L        | ND        | -        | -         | -         | -        | -         | -         | ND        | -        | -         |
| Zinc                                     | EPA 200.7                  | µg/L        | ND        | ND       | 204       | ND        | ND       | ND        | ND        | ND        | ND       | ND        |
| Zinc, Total                              | EPA 200.8                  | µg/L        | -         | -        | -         | -         | -        | -         | -         | -         | -        | -         |
| PCBs, Total                              | EPA 508                    | µg/L        | ND        | -        | -         | -         | -        | -         | -         | ND        | -        | -         |
| Total PCB                                | EPA 1668C                  | pg/L        | 25.8      | -        | -         | -         | -        | -         | -         | 7.73      | -        | -         |

Notes:

°C = Degrees Celsius  
CU = Color Units  
Meq/L = Milliequivalents per Liter  
mg/L = Milligrams per Liter  
NTU = Nephelometric Turbidity Units  
pg/L = Picograms per Liter  
TON = Threshold Odor Number  
µg/L = Micograms per Liter  
µmhos/cm = Micromhos per Centimeter

ND = NOT DETECTED at or above the Reporting Limit (RL) or  
Practical Quantitation Limit (PQL). See laboratory water  
quality reports for RL and PQL values.

<sup>1</sup> Using EPA Method 200.8, Arsenic values are overstated due to  
matrix interference caused by high chloride levels. The overstated  
values are in laboratory reports through February 11, 2016.  
Going forward, EPA Method 1640 will be used for Arsenic analysis  
only.

Table 2: Summary of Test Slant Well Laboratory Water Quality Results

| Sample Collection Date:                  |                            |             | 18-Feb-16 | 25-Feb-16 | 3-Mar-16 | 3-May-16 | 12-May-16 | 19-May-16 | 26-May-16 | 2-Jun-16 | 9-Jun-16 | 16-Jun-16 |
|------------------------------------------|----------------------------|-------------|-----------|-----------|----------|----------|-----------|-----------|-----------|----------|----------|-----------|
| Constituent                              | Method                     | Units       | Result    | Result    | Result   | Result   | Result    | Result    | Result    | Result   | Result   | Result    |
| Alkalinity, Total (as CaCO3)             | SM2320B                    | mg/L        | 110       | 110       | 110      | 108      | 110       | 114       | 112       | 111      | 110      | 112       |
| Aluminum, Total                          | EPA 200.8                  | µg/L        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       | ND       | ND        |
| Ammonia-N, Dissolved                     | SM4500NH3 D & EPA 350.1    | mg/L        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       | ND       | ND        |
| Arsenic, Total <sup>1</sup>              | EPA 200.8                  | µg/L        | -         | -         | -        | -        | -         | -         | -         | -        | -        | -         |
| Arsenic, Total                           | EPA 1640                   | µg/L        | 0.28      | 0.30      | 0.28     | 0.32     | 0.26      | 0.24      | 0.29      | 0.28     | 0.27     | 0.30      |
| Barium, Dissolved                        | EPA 200.8                  | µg/L        | ND        | 71        | 75       | ND       | ND        | 74        | ND        | ND       | 62       | ND        |
| Bicarbonate (as HCO3-)                   | SM2320B                    | mg/L        | 134       | 134       | 134      | 132      | 134       | 139       | 137       | 135      | 134      | 137       |
| Boron, Dissolved                         | EPA 200.7                  | mg/L        | 3.19      | 3.31      | 3.43     | 3.62     | 3.30      | 3.54      | 3.11      | 3.18     | 3.47     | 3.38      |
| Bromide, Dissolved                       | EPA 300.0                  | mg/L        | 52.6      | 52.6      | 52.3     | 50.3     | 43.2      | 59.4      | 59.6      | 50.5     | 40.1     | 35.4      |
| Calcium                                  | EPA 200.7                  | mg/L        | 497       | 510       | 493      | 458      | 489       | 542       | 430       | 469      | 506      | 498       |
| Calcium, Dissolved                       | EPA 200.7                  | mg/L        | 503       | 510       | 502      | 456      | 496       | 528       | 396       | 479      | 506      | 499       |
| Carbamates by HPLC (EPA 531)             | EPA 531                    | µg/L        | -         | -         | -        | -        | -         | -         | -         | -        | -        | -         |
| Carbonate as CaCO3                       | SM2320B                    | mg/L        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       | ND       | ND        |
| Chloride, Dissolved                      | EPA 300.0                  | mg/L        | 17,243    | 17,186    | 17,337   | 15,946   | 15,872    | 16,965    | 16,326    | 16,326   | 16,807   | 16,547    |
| Chlorinated Pesticides and PCB (EPA 508) | EPA 508                    | µg/L        | -         | -         | -        | -        | -         | -         | -         | -        | -        | -         |
| Color, Apparent (Unfiltered)             | SM2120B                    | Color Units | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       | ND       | ND        |
| Copper                                   | EPA 200.7                  | µg/L        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       | ND       | ND        |
| Copper, Total                            | EPA 200.8                  | µg/L        | -         | -         | -        | -        | -         | -         | -         | -        | -        | -         |
| DBCP & EDB                               | EPA 504.1                  | µg/L        | -         | -         | -        | -        | -         | -         | -         | -        | -        | -         |
| Dioxin                                   | EPA 1613                   | pg/L        | -         | -         | -        | -        | -         | -         | -         | -        | -        | -         |
| Diquat (EPA 549)                         | EPA 549                    | µg/L        | -         | -         | -        | -        | -         | -         | -         | -        | -        | -         |
| Dissolved Anions                         | Calculation                | Meq/L       | 538.01    | 536.27    | 541.32   | 499.99   | 499.14    | 530.65    | 509.47    | 510.34   | 528.27   | 520.48    |
| Total Anions                             | Calculation                | Meq/L       | 538.01    | 536.27    | 541.32   | 499.99   | 499.14    | 530.65    | 509.47    | 510.34   | 528.27   | 520.48    |
| Dissolved Cations                        | Calculation                | Meq/L       | 522.84    | 541.86    | 557.28   | 520.85   | 514.63    | 529.51    | 491.98    | 515.26   | 496.63   | 479.25    |
| Total Cations                            | Calculation                | Meq/L       | 520.40    | 544.60    | 540.75   | 516.58   | 507.73    | 540.16    | 497.14    | 507.81   | 493.75   | 481.32    |
| Fluoride, Dissolved                      | EPA 300.0                  | mg/L        | ND        | ND        | 1.1      | 1.0      | ND        | ND        | ND        | ND       | ND       | ND        |
| Hardness (as CaCO3)                      | SM2340B/Calc               | mg/L        | 5,870     | 6,112     | 5,901    | 5,739    | 5,776     | 6,316     | 5,492     | 5,656    | 5,822    | 5,732     |
| Hydroxide                                | SM2320B                    | mg/L        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       | ND       | ND        |
| Iodide                                   | EPA 9056M                  | µg/L        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       | ND       | ND        |
| Iron                                     | EPA 200.7                  | µg/L        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       | ND       | ND        |
| Iron, Dissolved                          | EPA 200.7                  | µg/L        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       | ND       | ND        |
| Total Kjeldahl Nitrogen, Dissolved       | SM4500-NH3 B,C,E & EPA 351 | mg/L        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       | ND       | ND        |
| Lead, Total                              | EPA 200.8                  | µg/L        | ND        | ND        | 4        | ND       | ND        | 5         | ND        | ND       | ND       | ND        |
| Lithium                                  | EPA 200.8                  | µg/L        | 154       | 164       | 166      | 153      | 149       | 145       | 164       | 159      | 177      | 132       |
| Magnesium                                | EPA 200.7                  | mg/L        | 1,120     | 1,180     | 1,130    | 1,120    | 1,110     | 1,200     | 1,070     | 1,090    | 1,110    | 1,090     |
| Magnesium, Dissolved                     | EPA 200.7                  | mg/L        | 1,120     | 1,170     | 1,180    | 1,120    | 1,120     | 1,180     | 1,040     | 1,100    | 1,110    | 1,090     |
| Manganese, Dissolved                     | EPA 200.7                  | µg/L        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       | ND       | ND        |
| Manganese, Total                         | EPA 200.7                  | µg/L        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       | ND       | ND        |
| MBAS (Surfactants)                       | SM5540C                    | mg/L        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       | ND       | ND        |
| Nitrate as N                             | EPA 300.0                  | mg/L        | -         | -         | -        | -        | -         | -         | -         | -        | -        | -         |
| Nitrate as NO3                           | EPA 300.0                  | mg/L        | 8         | 8         | 8        | 6        | 6         | 3         | ND        | ND       | 1        | ND        |
| Nitrate+Nitrite as N                     | EPA 300.0                  | mg/L        | 1.8       | 1.8       | 1.8      | 1.4      | 1.3       | 0.7       | ND        | ND       | 0.2      | ND        |
| Nitrite as NO2-N, Dissolved              | EPA 300.0                  | mg/L        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       | ND       | ND        |
| Odor Threshold at 60 C                   | SM2150B                    | TON         | 1         | 1         | 1        | 1        | 1         | 1         | 1         | 1        | 1        | 1         |
| o-Phosphate-P                            | Hach 8048 & EPA 365.1      | mg/L        | 0.11      | 0.12      | 0.11     | 0.11     | 0.12      | 0.12      | 0.12      | 0.11     | 0.11     | 0.11      |
| pH (Field Test)                          | SM4500-H+B                 | pH          | 7.11      | 7.12      | 7.14     | 7.25     | 7.10      | 7.07      | 7.16      | 7.04     | 7.17     | 7.07      |
| pH (Laboratory)                          | SM4500-H+B                 | pH (H)      | 7.3       | 6.8       | 7.3      | 7.3      | 7.2       | 7.2       | 7.2       | 7.3      | 7.3      | 7.4       |
| Phenoxy Acid Herbicides (515.3)          | EPA 515.3                  | µg/L        | -         | -         | -        | -        | -         | -         | -         | -        | -        | -         |
| Phosphorus, Dissolved Total              | HACH 8190 & EPA 365.1      | mg/L        | 0.11      | 0.10      | 0.10     | 0.13     | 0.11      | 0.10      | 0.12      | 0.11     | 0.09     | 0.09      |
| Potassium                                | EPA 200.7                  | mg/L        | 261       | 271       | 273      | 310      | 276       | 287       | 257       | 258      | 264      | 261       |
| Potassium, Dissolved                     | EPA 200.7                  | mg/L        | 261       | 271       | 280      | 309      | 277       | 280       | 252       | 263      | 266      | 260       |
| QC Ratio TDS/SEC                         | Calculation                | -           | 0.67      | 0.67      | 0.69     | 0.68     | 0.68      | 0.70      | 0.70      | 0.68     | 0.69     | 0.68      |
| Reg. Org. Compounds (EPA 525)            | EPA 525                    | µg/L        | -         | -         | -        | -        | -         | -         | -         | -        | -        | -         |
| Salinity                                 | SM2520B                    | psu         | -         | -         | -        | 28.8     | 29.1      | 29.4      | 29.6      | 29.7     | 29.7     | 29.3      |
| Silica as SiO2, Dissolved                | EPA 200.7                  | mg/L        | 12        | 12        | 14       | ND       | 13        | 10        | 12        | 13       | 17       | 16        |
| Sodium                                   | EPA 200.7                  | mg/L        | 9,121     | 9,543     | 9,401    | 9,049    | 8,849     | 9,357     | 8,760     | 8,922    | 8,515    | 8,278     |
| Sodium, Dissolved                        | EPA 200.7                  | mg/L        | 9,170     | 9,480     | 9,680    | 9,150    | 8,980     | 9,170     | 8,740     | 9,060    | 8,580    | 8,230     |
| Specific Conductance (E.C)               | SM2510B                    | µmhos/cm    | 45,560    | 46,190    | 46,380   | 44,530   | 45,030    | 45,430    | 45,730    | 45,880   | 45,800   | 45,340    |
| Specific Conductance (E.C) (Field)       | SM2510B                    | µmhos/cm    | 46,403    | 46,259    | 46,381   | 44,112   | 45,258    | 45,810    | 45,693    | 45,759   | 45,762   | 45,685    |
| Strontium, Dissolved                     | EPA 200.8                  | µg/L        | 7,671     | 7,823     | 7,910    | 7,601    | 7,910     | 7,976     | 7,515     | 7,735    | 7,600    | 7,377     |
| Sulfate, Dissolved                       | EPA 300.0                  | mg/L        | 2,334     | 2,328     | 2,366    | 2,270    | 2,332     | 2,353     | 2,206     | 2,254    | 2,470    | 2,450     |
| Temperature (Field)                      | SM2550                     | ° C         | 15.1      | 15.0      | 15.0     | 15.1     | 15.4      | 15.5      | 15.4      | 15.6     | 15.8     | 15.9      |
| Total Diss. Solids                       | SM2540C                    | mg/L        | 30,700    | 30,800    | 31,800   | 30,200   | 30,800    | 31,900    | 32,200    | 31,300   | 31,600   | 30,900    |
| Turbidity                                | EPA 180.1                  | NTU         | 0.10      | 0.10      | 0.30     | 1.6      | 0.35      | 0.30      | 0.35      | 0.20     | 0.25     | 0.25      |
| Turbidity (Field)                        | EPA 180.1                  | NTU         | 0.33      | 0.15      | 0.08     | 0.29     | 0.37      | 0.10      | 0.30      | 0.12     | 0.19     | 0.31      |
| Volatile Org. Compounds (524)            | EPA 524                    | µg/L        | -         | -         | -        | -        | -         | -         | -         | -        | -        | -         |
| Zinc                                     | EPA 200.7                  | µg/L        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       | ND       | ND        |
| Zinc, Total                              | EPA 200.8                  | µg/L        | -         | -         | -        | -        | -         | -         | -         | -        | -        | -         |
| PCBs, Total                              | EPA 508                    | µg/L        | -         | -         | -        | -        | -         | -         | -         | -        | -        | -         |
| Total PCB                                | EPA 1668C                  | pg/L        | -         | -         | -        | -        | -         | -         | -         | -        | -        | -         |

Notes:

°C = Degrees Celsius  
CU = Color Units  
Meq/L = Milliequivalents per Liter  
mg/L = Milligrams per Liter  
NTU = Nephelometric Turbidity Units  
pg/L = Picograms per Liter  
TON = Threshold Odor Number  
µg/L = Micograms per Liter  
µmhos/cm = Micromhos per Centimeter

ND = NOT DETECTED at or above the Reporting Limit (RL) or  
Practical Quantitation Limit (PQL). See laboratory water  
quality reports for RL and PQL values.

<sup>1</sup> Using EPA Method 200.8, Arsenic values are overstated due to  
matrix interference caused by high chloride levels. The overstated  
values are in laboratory reports through February 11, 2016.  
Going forward, EPA Method 1640 will be used for Arsenic analysis  
only.

Table 2: Summary of Test Slant Well Laboratory Water Quality Results

| Sample Collection Date:                  |                            |             | 23-Jun-16 | 30-Jun-16 | 7-Jul-16 | 15-Jul-16 | 21-Jul-16 | 28-Jul-16 | 4-Aug-16 | 10-Aug-16 | 18-Aug-16 | 25-Aug-16 |
|------------------------------------------|----------------------------|-------------|-----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|
| Constituent                              | Method                     | Units       | Result    | Result    | Result   | Result    | Result    | Result    | Result   | Result    | Result    | Result    |
| Alkalinity, Total (as CaCO3)             | SM2320B                    | mg/L        | 113       | 114       | 113      | 114       | 113       | 114       | 115      | 114       | 113       | 116       |
| Aluminum, Total                          | EPA 200.8                  | µg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        |
| Ammonia-N, Dissolved                     | SM4500NH3 D & EPA 350.1    | mg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        |
| Arsenic, Total <sup>1</sup>              | EPA 200.8                  | µg/L        | -         | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| Arsenic, Total                           | EPA 1640                   | µg/L        | 0.33      | 0.30      | 0.27     | 0.27      | 0.28      | 0.18      | 0.27     | 0.23      | 0.22      | 0.24      |
| Barium, Dissolved                        | EPA 200.8                  | µg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        |
| Bicarbonate (as HCO3-)                   | SM2320B                    | mg/L        | 138       | 139       | 138      | 139       | 138       | 139       | 140      | 139       | 138       | 142       |
| Boron, Dissolved                         | EPA 200.7                  | mg/L        | 3.46      | 3.58      | 3.21     | 3.18      | 3.53      | 3.40      | 3.54     | 3.18      | 3.61      | 3.37      |
| Bromide, Dissolved                       | EPA 300.0                  | mg/L        | 37.3      | 40.2      | 50.8     | 39.8      | 44.6      | 52.9      | 31.2     | 27.8      | 31.3      | 48.9      |
| Calcium                                  | EPA 200.7                  | mg/L        | 489       | 510       | 482      | 471       | 559       | 495       | 486      | 520       | 505       | 490       |
| Calcium, Dissolved                       | EPA 200.7                  | mg/L        | 494       | 515       | 467      | 481       | 531       | 493       | 506      | 504       | 510       | 470       |
| Carbamates by HPLC (EPA 531)             | EPA 531                    | µg/L        | -         | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| Carbonate as CaCO3                       | SM2320B                    | mg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        |
| Chloride, Dissolved                      | EPA 300.0                  | mg/L        | 17,230    | 17,425    | 17,982   | 16,795    | 17,100    | 18,028    | 18,231   | 18,374    | 17,490    | 17,636    |
| Chlorinated Pesticides and PCB (EPA 508) | EPA 508                    | µg/L        | -         | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| Color, Apparent (Unfiltered)             | SM2120B                    | Color Units | ND        | ND        | ND       | ND        | 3         | ND        | ND       | ND        | ND        | ND        |
| Copper                                   | EPA 200.7                  | µg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        |
| Copper, Total                            | EPA 200.8                  | µg/L        | -         | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| DBCP & EDB                               | EPA 504.1                  | µg/L        | -         | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| Dioxin                                   | EPA 1613                   | pg/L        | -         | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| Diquat (EPA 549)                         | EPA 549                    | µg/L        | -         | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| Dissolved Anions                         | Calculation                | Meq/L       | 536.91    | 541.24    | 558.08   | 524.21    | 532.46    | 563.12    | 564.83   | 568.56    | 545.43    | 546.73    |
| Total Anions                             | Calculation                | Meq/L       | 536.91    | 541.24    | 558.08   | 524.21    | 532.46    | 563.12    | 564.83   | 568.56    | 545.43    | 546.73    |
| Dissolved Cations                        | Calculation                | Meq/L       | 505.36    | 544.69    | 514.15   | 518.34    | 556.30    | 517.87    | 529.65   | 512.33    | 531.64    | 494.71    |
| Total Cations                            | Calculation                | Meq/L       | 495.32    | 523.17    | 511.63   | 499.31    | 583.22    | 514.08    | 509.12   | 523.03    | 528.35    | 527.38    |
| Fluoride, Dissolved                      | EPA 300.0                  | mg/L        | ND        | 1.2       | ND       | 1         | 1.1       | 0.5       | 1.2      | 1.1       | 1.3       | ND        |
| Hardness (as CaCO3)                      | SM2340B/Calc               | mg/L        | 5,907     | 6,009     | 5,799    | 5,611     | 6,531     | 5,918     | 5,785    | 6,038     | 6,310     | 5,671     |
| Hydroxide                                | SM2320B                    | mg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        |
| Iodide                                   | EPA 9056M                  | µg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        |
| Iron                                     | EPA 200.7                  | µg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        |
| Iron, Dissolved                          | EPA 200.7                  | µg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        |
| Total Kjeldahl Nitrogen, Dissolved       | SM4500-NH3 B,C,E & EPA 351 | mg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        |
| Lead, Total                              | EPA 200.8                  | µg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        |
| Lithium                                  | EPA 200.8                  | µg/L        | 145       | 162       | 128      | 142       | 150       | 135       | 145      | 142       | 152       | 162       |
| Magnesium                                | EPA 200.7                  | mg/L        | 1,140     | 1,150     | 1,120    | 1,080     | 1,250     | 1,140     | 1,110    | 1,150     | 1,230     | 1,080     |
| Magnesium, Dissolved                     | EPA 200.7                  | mg/L        | 1,150     | 1,160     | 1,100    | 1,090     | 1,200     | 1,140     | 1,160    | 1,150     | 1,200     | 1,010     |
| Manganese, Dissolved                     | EPA 200.7                  | µg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        |
| Manganese, Total                         | EPA 200.7                  | µg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        |
| MBAS (Surfactants)                       | SM5540C                    | mg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        |
| Nitrate as N                             | EPA 300.0                  | mg/L        | -         | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| Nitrate as NO3                           | EPA 300.0                  | mg/L        | 3         | 3         | 3        | 3         | 3         | 4         | 3        | 3         | 3         | 2         |
| Nitrate+Nitrite as N                     | EPA 300.0                  | mg/L        | 0.7       | 0.7       | 0.7      | 0.7       | 0.7       | 0.8       | 0.6      | 0.6       | 0.6       | 0.4       |
| Nitrite as NO2-N, Dissolved              | EPA 300.0                  | mg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        |
| Odor Threshold at 60 C                   | SM2150B                    | TON         | 1         | 1         | 1        | 1         | 1         | 1         | 1        | 1         | 1         | 1         |
| o-Phosphate-P                            | Hach 8048 & EPA 365.1      | mg/L        | 0.11      | 0.11      | 0.10     | 0.11      | 0.10      | 0.10      | 0.10     | 0.11      | 0.11      | 0.10      |
| pH (Field Test)                          | SM4500-H+B                 | pH          | 7.17      | 7.11      | 7.14     | 7.65      | 7.10      | 7.10      | 7.15     | 7.15      | 7.08      | 7.05      |
| pH (Laboratory)                          | SM4500-H+B                 | pH (H)      | 7.3       | 7.2       | 7.3      | 7.2       | 7.2       | 7.3       | 7.2      | 7.2       | 7.2       | 7.3       |
| Phenoxy Acid Herbicides (515.3)          | EPA 515.3                  | µg/L        | -         | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| Phosphorus, Dissolved Total              | HACH 8190 & EPA 365.1      | mg/L        | 0.10      | 0.09      | 0.09     | 0.09      | 0.05      | 0.14      | 0.09     | 0.11      | 0.10      | 0.10      |
| Potassium                                | EPA 200.7                  | mg/L        | 262       | 276       | 262      | 279       | 317       | 273       | 285      | 285       | 306       | 285       |
| Potassium, Dissolved                     | EPA 200.7                  | mg/L        | 264       | 282.9     | 260.2    | 276       | 305       | 277.1     | 291      | 279       | 300       | 277       |
| QC Ratio TDS/SEC                         | Calculation                | -           | 0.69      | 0.65      | 0.68     | 0.66      | 0.68      | 0.69      | 0.69     | 0.68      | 0.67      | 0.67      |
| Reg. Org. Compounds (EPA 525)            | EPA 525                    | µg/L        | -         | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| Salinity                                 | SM2520B                    | psu         | 29.3      | 29.4      | 29.7     | 29.3      | 29.1      | 29.1      | 28.6     | 29.4      | 29.8      | 29.2      |
| Silica as SiO2, Dissolved                | EPA 200.7                  | mg/L        | 10        | 16        | 14       | 12        | 14        | 9.0       | 12       | 14        | 12        | 11        |
| Sodium                                   | EPA 200.7                  | mg/L        | 8,515     | 9,104     | 8,936    | 8,731     | 10,215    | 8,933     | 8,879    | 9,084     | 9,060     | 9,351     |
| Sodium, Dissolved                        | EPA 200.7                  | mg/L        | 8,720     | 9,570     | 9,050    | 9,140     | 9,730     | 9,020     | 9,230    | 8,860     | 9,190     | 8,760     |
| Specific Conductance (E.C)               | SM2510B                    | µmhos/cm    | 45,330    | 45,380    | 45,800   | 45,240    | 45,000    | 45,070    | 44,370   | 45,360    | 46,050    | 45,200    |
| Specific Conductance (E.C) (Field)       | SM2510B                    | µmhos/cm    | 45,663    | 45,769    | 45,763   | 45,620    | 45,544    | 45,613    | 45,770   | 45,632    | 46,081    | 45,509    |
| Strontium, Dissolved                     | EPA 200.8                  | µg/L        | 7,438     | 7,460     | 7,791    | 7,147     | 7,366     | 7,164     | 7,552    | 7,884     | 7,620     | 7,785     |
| Sulfate, Dissolved                       | EPA 300.0                  | mg/L        | 2,309     | 2,250     | 2,299    | 2,286     | 2,267     | 2,476     | 2,296    | 2,282     | 2,370     | 2,221     |
| Temperature (Field)                      | SM2550                     | ° C         | 15.9      | 15.8      | 15.9     | 15.9      | 16.2      | 16.1      | 15.9     | 16.0      | 15.9      | 15.9      |
| Total Diss. Solids                       | SM2540C                    | mg/L        | 31,300    | 29,700    | 31,000   | 29,800    | 30,700    | 30,900    | 30,800   | 30,800    | 30,800    | 30,200    |
| Turbidity                                | EPA 180.1                  | NTU         | 0.15      | 0.30      | 0.20     | .10       | 0.30      | 0.25      | 0.40     | 0.10      | 0.30      | 0.05      |
| Turbidity (Field)                        | EPA 180.1                  | NTU         | 0.34      | 0.26      | 0.21     | 0.16      | 0.17      | 0.33      | 0.27     | 0.14      | 0.12      | 0.24      |
| Volatile Org. Compounds (524)            | EPA 524                    | µg/L        | -         | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| Zinc                                     | EPA 200.7                  | µg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        |
| Zinc, Total                              | EPA 200.8                  | µg/L        | -         | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| PCBs, Total                              | EPA 508                    | µg/L        | -         | -         | -        | -         | -         | -         | -        | -         | -         | -         |
| Total PCB                                | EPA 1668C                  | pg/L        | -         | -         | -        | -         | -         | -         | -        | -         | -         | -         |

Notes:

°C = Degrees Celsius  
CU = Color Units  
Meq/L = Milliequivalents per Liter  
mg/L = Milligrams per Liter  
NTU = Nephelometric Turbidity Units  
pg/L = Picograms per Liter  
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ND = NOT DETECTED at or above the Reporting Limit (RL) or  
Practical Quantitation Limit (PQL). See laboratory water  
quality reports for RL and PQL values.

<sup>1</sup> Using EPA Method 200.8, Arsenic values are overstated due to  
matrix interference caused by high chloride levels. The overstated  
values are in laboratory reports through February 11, 2016.  
Going forward, EPA Method 1640 will be used for Arsenic analysis  
only.

Table 2: Summary of Test Slant Well Laboratory Water Quality Results

| Sample Collection Date:                  |                            |             | 1-Sep-16 | 8-Sep-16 | 15-Sep-16 | 22-Sep-16 | 30-Sep-16 | 7-Oct-16 | 13-Oct-16 | 20-Oct-16 | 27-Oct-16 | 3-Nov-16 |
|------------------------------------------|----------------------------|-------------|----------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|----------|
| Constituent                              | Method                     | Units       | Result   | Result   | Result    | Result    | Result    | Result   | Result    | Result    | Result    | Result   |
| Alkalinity, Total (as CaCO3)             | SM2320B                    | mg/L        | 116      | 117      | 116       | 115       | 117       | 115      | 113       | 118       | 116       | 114      |
| Aluminum, Total                          | EPA 200.8                  | µg/L        | ND       | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND       |
| Ammonia-N, Dissolved                     | SM4500NH3 D & EPA 350.1    | mg/L        | ND       | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND       |
| Arsenic, Total <sup>1</sup>              | EPA 200.8                  | µg/L        | -        | -        | -         | -         | -         | -        | -         | -         | -         | -        |
| Arsenic, Total                           | EPA 1640                   | µg/L        | 0.27     | 0.23     | 0.22      | 0.22      | 0.22      | 0.21     | 0.25      | 0.27      | 0.23      | 0.46     |
| Barium, Dissolved                        | EPA 200.8                  | µg/L        | ND       | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND       |
| Bicarbonate (as HCO3-)                   | SM2320B                    | mg/L        | 142      | 143      | 142       | 140       | 143       | 140      | 138       | 144       | 142       | 139      |
| Boron, Dissolved                         | EPA 200.7                  | mg/L        | 3.20     | 3.23     | 3.20      | 3.17      | 3.41      | 3.36     | 3.40      | 3.34      | 3.33      | 3.19     |
| Bromide, Dissolved                       | EPA 300.0                  | mg/L        | 56.4     | 51.8     | 47.2      | 54.0      | 50        | 50.0     | 50.4      | 50.9      | 51.2      | 50.6     |
| Calcium                                  | EPA 200.7                  | mg/L        | 461      | 461      | 460       | 494       | 492       | 508      | 510       | 471       | 493       | 488      |
| Calcium, Dissolved                       | EPA 200.7                  | mg/L        | 467      | 457      | 454       | 488       | 495       | 458      | 473       | 472       | 492       | 488      |
| Carbamates by HPLC (EPA 531)             | EPA 531                    | µg/L        | -        | -        | -         | -         | -         | -        | -         | -         | -         | -        |
| Carbonate as CaCO3                       | SM2320B                    | mg/L        | ND       | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND       |
| Chloride, Dissolved                      | EPA 300.0                  | mg/L        | 16,683   | 16,820   | 15,643    | 16,179    | 16,705    | 16,568   | 16,897    | 17,065    | 17,350    | 16,949   |
| Chlorinated Pesticides and PCB (EPA 508) | EPA 508                    | µg/L        | -        | -        | -         | -         | -         | -        | -         | -         | -         | -        |
| Color, Apparent (Unfiltered)             | SM2120B                    | Color Units | ND       | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND       |
| Copper                                   | EPA 200.7                  | µg/L        | ND       | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND       |
| Copper, Total                            | EPA 200.8                  | µg/L        | -        | -        | -         | -         | -         | -        | -         | -         | -         | -        |
| DBCP & EDB                               | EPA 504.1                  | µg/L        | -        | -        | -         | -         | -         | -        | -         | -         | -         | -        |
| Dioxin                                   | EPA 1613                   | pg/L        | -        | -        | -         | -         | -         | -        | -         | -         | -         | -        |
| Diquat (EPA 549)                         | EPA 549                    | µg/L        | -        | -        | -         | -         | -         | -        | -         | -         | -         | -        |
| Dissolved Anions                         | Calculation                | Meq/L       | 521.27   | 526.22   | 493.31    | 508.70    | 523.28    | 519.14   | 532.46    | 535.53    | 543.47    | 532.28   |
| Total Anions                             | Calculation                | Meq/L       | 521.27   | 526.22   | 493.31    | 508.70    | 523.28    | 519.14   | 532.46    | 535.53    | 543.47    | 532.28   |
| Dissolved Cations                        | Calculation                | Meq/L       | 501.83   | 487.61   | 466.60    | 537.27    | 528.58    | 521.64   | 545.47    | 503.68    | 542.16    | 496.51   |
| Total Cations                            | Calculation                | Meq/L       | 512.46   | 489.96   | 483.65    | 530.53    | 543.94    | 537.38   | 544.72    | 516.26    | 549.54    | 534.35   |
| Fluoride, Dissolved                      | EPA 300.0                  | mg/L        | 0.8      | 1.1      | 0.9       | 1.0       | 0.9       | 1.1      | 0.9       | 1.0       | 0.9       | 0.8      |
| Hardness (as CaCO3)                      | SM2340B/Calc               | mg/L        | 5,286    | 5,619    | 5,534     | 5,924     | 5,874     | 5,918    | 5,964     | 5,764     | 5,781     | 5,728    |
| Hydroxide                                | SM2320B                    | mg/L        | ND       | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND       |
| Iodide                                   | EPA 9056M                  | µg/L        | ND       | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND       |
| Iron                                     | EPA 200.7                  | µg/L        | ND       | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND       |
| Iron, Dissolved                          | EPA 200.7                  | µg/L        | ND       | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND       |
| Total Kjeldahl Nitrogen, Dissolved       | SM4500-NH3 B,C,E & EPA 351 | mg/L        | ND       | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND       |
| Lead, Total                              | EPA 200.8                  | µg/L        | ND       | ND       | ND        | ND        | ND        | 6        | ND        | ND        | ND        | ND       |
| Lithium                                  | EPA 200.8                  | µg/L        | 166      | 156      | 153       | 132       | 138       | 124      | 141       | 149       | 140       | 141      |
| Magnesium                                | EPA 200.7                  | mg/L        | 1,000    | 1,080    | 1,060     | 1,140     | 1,130     | 1,130    | 1,140     | 1,110     | 1,100     | 1,100    |
| Magnesium, Dissolved                     | EPA 200.7                  | mg/L        | 968      | 1,060    | 1,040     | 1,060     | 1,130     | 1,090    | 1,120     | 1,110     | 1,090     | 1,100    |
| Manganese, Dissolved                     | EPA 200.7                  | µg/L        | ND       | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND       |
| Manganese, Total                         | EPA 200.7                  | µg/L        | ND       | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND       |
| MBAS (Surfactants)                       | SM5540C                    | mg/L        | ND       | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND       |
| Nitrate as N                             | EPA 300.0                  | mg/L        | -        | -        | -         | -         | -         | -        | -         | -         | -         | -        |
| Nitrate as NO3                           | EPA 300.0                  | mg/L        | 3        | 5        | 4         | 4         | 5         | 4        | 4         | 4         | 4         | 4        |
| Nitrate+Nitrite as N                     | EPA 300.0                  | mg/L        | 0.6      | 1.1      | 1.1       | 1.0       | 1.1       | 1.0      | 1.2       | 1.1       | 1.3       | 1.1      |
| Nitrite as NO2-N, Dissolved              | EPA 300.0                  | mg/L        | ND       | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND       |
| Odor Threshold at 60 C                   | SM2150B                    | TON         | 1        | 1        | 1         | 1         | 1         | 1        | 1         | 1         | 1         | 1        |
| o-Phosphate-P                            | Hach 8048 & EPA 365.1      | mg/L        | 0.11     | 0.10     | 0.10      | 0.10      | 0.10      | 0.09     | 0.08      | 0.09      | 0.09      | 0.09     |
| pH (Field Test)                          | SM4500-H+B                 | pH          | 7.06     | 7.06     | 7.08      | 7.09      | 7.09      | 7.10     | 7.02      | 7.02      | 7.03      | 7.04     |
| pH (Laboratory)                          | SM4500-H+B                 | pH (H)      | 7.2      | 7.2      | 7.1       | 7.2       | 7.0       | 7.2      | 7.2       | 7.2       | 7.2       | 7.2      |
| Phenoxy Acid Herbicides (515.3)          | EPA 515.3                  | µg/L        | -        | -        | -         | -         | -         | -        | -         | -         | -         | -        |
| Phosphorus, Dissolved Total              | HACH 8190 & EPA 365.1      | mg/L        | 0.10     | 0.07     | 0.11      | 0.08      | 0.07      | 0.10     | 0.06      | 0.09      | 0.11      | 0.11     |
| Potassium                                | EPA 200.7                  | mg/L        | 269      | 273      | 273       | 271       | 283       | 286      | 285       | 328       | 304       | 308      |
| Potassium, Dissolved                     | EPA 200.7                  | mg/L        | 271.0    | 272      | 269       | 278       | 282       | 276      | 286       | 321       | 301       | 292      |
| QC Ratio TDS/SEC                         | Calculation                | -           | 0.69     | 0.66     | 0.67      | 0.66      | 0.68      | 0.69     | 0.67      | 0.66      | 0.66      | 0.69     |
| Reg. Org. Compounds (EPA 525)            | EPA 525                    | µg/L        | -        | -        | -         | -         | -         | -        | -         | -         | -         | -        |
| Salinity                                 | SM2520B                    | psu         | 29.4     | 29.3     | 29.3      | 29.6      | 29.4      | 29.4     | 29.5      | 29.8      | 29.7      | 29.8     |
| Silica as SiO2, Dissolved                | EPA 200.7                  | mg/L        | 12       | 12       | 13        | 12        | 13        | 11       | 14        | 12        | 15        | 15       |
| Sodium                                   | EPA 200.7                  | mg/L        | 9,202    | 8,531    | 8,425     | 9,567     | 9,636     | 9,467    | 9,613     | 9,035     | 9,808     | 9,462    |
| Sodium, Dissolved                        | EPA 200.7                  | mg/L        | 9,010    | 8,520    | 8,080     | 9,680     | 9,280     | 9,240    | 9,710     | 8,750     | 9,660     | 8,590    |
| Specific Conductance (E.C)               | SM2510B                    | µmhos/cm    | 45,450   | 45,260   | 45,250    | 45,680    | 45,380    | 45,420   | 45,610    | 46,000    | 45,800    | 45,980   |
| Specific Conductance (E.C) (Field)       | SM2510B                    | µmhos/cm    | 45,669   | 45,720   | 45,362    | 45,682    | 45,648    | 45,682   | 45,775    | 46,308    | 46,223    | 46,352   |
| Strontium, Dissolved                     | EPA 200.8                  | µg/L        | 7,458    | 7,875    | 7,415     | 7,158     | 7,293     | 7,430    | 7,259     | 7,542     | 7,275     | 7,302    |
| Sulfate, Dissolved                       | EPA 300.0                  | mg/L        | 2,285    | 2,337    | 2,355     | 2,365     | 2,353     | 2,342    | 2,537     | 2,452     | 2,448     | 2,457    |
| Temperature (Field)                      | SM2550                     | ° C         | 16.1     | 16.2     | 16.1      | 16.1      | 16.1      | 16.4     | 16.3      | 16.2      | 16.3      | 16.3     |
| Total Diss. Solids                       | SM2540C                    | mg/L        | 31,200   | 30,000   | 30,200    | 30,300    | 30,800    | 31,400   | 30,500    | 30,500    | 30,400    | 31,700   |
| Turbidity                                | EPA 180.1                  | NTU         | 0.25     | 0.15     | 0.25      | 0.20      | 0.15      | 0.10     | 0.20      | 0.10      | 0.20      | 0.10     |
| Turbidity (Field)                        | EPA 180.1                  | NTU         | 0.34     | 0.21     | 0.11      | 0.13      | 0.09      | 0.25     | 0.27      | 0.08      | 0.10      | 0.29     |
| Volatile Org. Compounds (524)            | EPA 524                    | µg/L        | -        | -        | -         | -         | -         | -        | -         | -         | -         | -        |
| Zinc                                     | EPA 200.7                  | µg/L        | ND       | ND       | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND       |
| Zinc, Total                              | EPA 200.8                  | µg/L        | -        | -        | -         | -         | -         | -        | -         | -         | -         | -        |
| PCBs, Total                              | EPA 508                    | µg/L        | -        | -        | -         | -         | -         | -        | -         | -         | -         | -        |
| Total PCB                                | EPA 1668C                  | pg/L        | -        | -        | -         | -         | -         | -        | -         | -         | -         | -        |

Notes:

°C = Degrees Celsius  
CU = Color Units  
Meq/L = Milliequivalents per Liter  
mg/L = Milligrams per Liter  
NTU = Nephelometric Turbidity Units  
pg/L = Picograms per Liter  
TON = Threshold Odor Number  
µg/L = Micograms per Liter  
µmhos/cm = Micromhos per Centimeter

ND = NOT DETECTED at or above the Reporting Limit (RL) or  
Practical Quantitation Limit (PQL). See laboratory water  
quality reports for RL and PQL values.

<sup>1</sup> Using EPA Method 200.8, Arsenic values are overstated due to  
matrix interference caused by high chloride levels. The overstated  
values are in laboratory reports through February 11, 2016.  
Going forward, EPA Method 1640 will be used for Arsenic analysis  
only.

Table 2: Summary of Test Slant Well Laboratory Water Quality Results

| Sample Collection Date:                  |                              |             | 10-Nov-16 | 17-Nov-16 | 23-Nov-16 | 1-Dec-16 | 8-Dec-16 | 15-Dec-16 | 21-Dec-16 | 12-Jan-17 | 19-Jan-17 | 26-Jan-17 |
|------------------------------------------|------------------------------|-------------|-----------|-----------|-----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| Constituent                              | Method                       | Units       | Result    | Result    | Result    | Result   | Result   | Result    | Result    | Result    | Result    | Result    |
| Alkalinity, Total (as CaCO3)             | SM2320B                      | mg/L        | 113       | 115       | 114       | 112      | 106      | 111       | 112       | 107       | 112       | 117       |
| Aluminum, Total                          | EPA 200.8                    | µg/L        | ND        | ND        | ND        | ND       | ND       | ND        | 55        | 160       | ND        | ND        |
| Ammonia-N, Dissolved                     | SM4500NH3 D & EPA 350.1      | mg/L        | ND        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND        | ND        |
| Arsenic, Total <sup>1</sup>              | EPA 200.8                    | µg/L        | -         | -         | -         | -        | -        | -         | -         | -         | -         | -         |
| Arsenic, Total                           | EPA 1640                     | µg/L        | 0.25      | 0.27      | 0.27      | 0.26     | 0.21     | 0.22      | 0.26      | 0.20      | 0.21      | 0.28      |
| Barium, Dissolved                        | EPA 200.8                    | µg/L        | ND        | ND        | ND        | ND       | 69       | ND        | 65        | 66        | ND        | ND        |
| Bicarbonate (as HCO3-)                   | SM2320B                      | mg/L        | 138       | 140       | 139       | 137      | 129      | 135       | 137       | 131       | 137       | 143       |
| Boron, Dissolved                         | EPA 200.7                    | mg/L        | 3.73      | 3.84      | 3.29      | 3.42     | 3.09     | 3.10      | 3.73      | 3.2       | 3.30      | 3.42      |
| Bromide, Dissolved                       | EPA 300.0                    | mg/L        | 53.0      | 50        | 52        | 54       | 51       | 54        | 57        | 56.7      | 55.8      | 58.6      |
| Calcium                                  | EPA 200.7                    | mg/L        | 493       | 517       | 462       | 532      | 540      | 549       | 542       | 407       | 481       | 467       |
| Calcium, Dissolved                       | EPA 200.7                    | mg/L        | 503       | 531       | 453       | 536      | 539      | 529       | 543       | 401       | 485       | 466       |
| Carbamates by HPLC (EPA 531)             | EPA 531                      | µg/L        | -         | -         | -         | -        | -        | -         | -         | -         | -         | -         |
| Carbonate as CaCO3                       | SM2320B                      | mg/L        | ND        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND        | ND        |
| Chloride, Dissolved                      | EPA 300.0                    | mg/L        | 17,651    | 17,082    | 17,145    | 17,215   | 17,283   | 18,271    | 16,460    | 16,984    | 16,509    | 17,164    |
| Chlorinated Pesticides and PCB (EPA 508) | EPA 508                      | µg/L        | -         | -         | -         | -        | -        | -         | -         | -         | -         | -         |
| Color, Apparent (Unfiltered)             | SM2120B                      | Color Units | ND        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND        | ND        |
| Copper                                   | EPA 200.7                    | µg/L        | ND        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND        | ND        |
| Copper, Total                            | EPA 200.8                    | µg/L        | -         | -         | -         | -        | -        | -         | -         | -         | -         | -         |
| DBCP & EDB                               | EPA 504.1                    | µg/L        | -         | -         | -         | -        | -        | -         | -         | -         | -         | -         |
| Dioxin                                   | EPA 1613                     | pg/L        | -         | -         | -         | -        | -        | -         | -         | -         | -         | -         |
| Diquat (EPA 549)                         | EPA 549                      | µg/L        | -         | -         | -         | -        | -        | -         | -         | -         | -         | -         |
| Dissolved Anions                         | Calculation                  | Meq/L       | 540.88    | 527.60    | 533.74    | 528.40   | 541.73   | 569.71    | 518.18    | 532.63    | 523.58    | 537.43    |
| Total Anions                             | Calculation                  | Meq/L       | 540.88    | 527.60    | 533.74    | 528.40   | 541.73   | 569.71    | 518.18    | 532.63    | 523.58    | 537.43    |
| Dissolved Cations                        | Calculation                  | Meq/L       | 545.78    | 565.18    | 540.61    | 582.47   | 562.53   | 557.54    | 555.00    | 506.56    | 514.77    | 517.04    |
| Total Cations                            | Calculation                  | Meq/L       | 536.10    | 570.96    | 527.00    | 558.83   | 559.45   | 569.62    | 580.06    | 509.59    | 505.75    | 518.85    |
| Fluoride, Dissolved                      | EPA 300.0                    | mg/L        | 0.5       | 0.8       | 0.9       | 0.5      | 1.0      | 0.9       | 1.2       | 0.9       | ND        | 1.0       |
| Hardness (as CaCO3)                      | SM2340B/Calc                 | mg/L        | 6,185     | 6,401     | 5,601     | 6,344    | 6,451    | 6,452     | 6,542     | 5,678     | 5,961     | 6,050     |
| Hydroxide                                | SM2320B                      | mg/L        | ND        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND        | ND        |
| Iodide                                   | EPA 9056M                    | µg/L        | ND        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND        | ND        |
| Iron                                     | EPA 200.7                    | µg/L        | ND        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND        | ND        |
| Iron, Dissolved                          | EPA 200.7                    | µg/L        | ND        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND        | ND        |
| Total Kjeldahl Nitrogen, Dissolved       | SM4500-NH3 B,C,E & EPA 351.1 | mg/L        | ND        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND        | ND        |
| Lead, Total                              | EPA 200.8                    | µg/L        | ND        | ND        | ND        | 4        | ND       | ND        | -         | ND        | ND        | ND        |
| Lithium                                  | EPA 200.8                    | µg/L        | 146       | 162       | 139       | 141      | 146      | 148       | ND        | ND        | 161       | 165       |
| Magnesium                                | EPA 200.7                    | mg/L        | 1,200     | 1,240     | 1,080     | 1,220    | 1,240    | 1,230     | 1,260     | 1,130     | 1,160     | 1,190     |
| Magnesium, Dissolved                     | EPA 200.7                    | mg/L        | 1,220     | 1,250     | 1,070     | 1,260    | 1,240    | 1,210     | 1,240     | 1,140     | 1,150     | 1,170     |
| Manganese, Dissolved                     | EPA 200.7                    | µg/L        | ND        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND        | ND        |
| Manganese, Total                         | EPA 200.7                    | µg/L        | ND        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND        | ND        |
| MBAS (Surfactants)                       | SM5540C                      | mg/L        | ND        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND        | ND        |
| Nitrate as N                             | EPA 300.0                    | mg/L        | -         | -         | -         | -        | -        | -         | -         | -         | -         | -         |
| Nitrate as NO3                           | EPA 300.0                    | mg/L        | ND        | 4         | 4         | 4        | 5        | 4         | 4         | 3         | 2         | 2         |
| Nitrate+Nitrite as N                     | EPA 300.0                    | mg/L        | 0.7       | 1.0       | 0.8       | 0.8      | 1.1      | 1.0       | 0.9       | 0.6       | 0.6       | 0.4       |
| Nitrite as NO2-N, Dissolved              | EPA 300.0                    | mg/L        | ND        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND        | ND        |
| Odor Threshold at 60 C                   | SM2150B                      | TON         | 1         | 1         | 1         | 1        | 1        | 1         | 1         | 1         | 1         | 1         |
| o-Phosphate-P                            | Hach 8048 & EPA 365.1        | mg/L        | 0.09      | 0.10      | 0.09      | 0.09     | 0.09     | 0.10      | 0.09      | 0.09      | 0.09      | 0.09      |
| pH (Field Test)                          | SM4500-H+B                   | pH          | 7.05      | 7.05      | 7.05      | 7.07     | 7.07     | 7.07      | 7.07      | 7.37      | 6.94      | 7.23      |
| pH (Laboratory)                          | SM4500-H+B                   | pH (H)      | 7.2       | 7.2       | 7.2       | 7.2      | 7.3      | 7.1       | 7.2       | 7.3       | 7.2       | 7.3       |
| Phenoxy Acid Herbicides (515.3)          | EPA 515.3                    | µg/L        | -         | -         | -         | -        | -        | -         | -         | -         | -         | -         |
| Phosphorus, Dissolved Total              | HACH 8190 & EPA 365.1        | mg/L        | 0.09      | 0.09      | 0.09      | 0.09     | 0.09     | 0.08      | 0.08      | 0.09      | 0.08      | 0.09      |
| Potassium                                | EPA 200.7                    | mg/L        | 314       | 331       | 284       | 317      | 316      | 313       | 322       | 334       | 286       | 304       |
| Potassium, Dissolved                     | EPA 200.7                    | mg/L        | 326       | 338       | 279       | 326      | 319      | 308       | 323       | 331       | 285       | 303       |
| QC Ratio TDS/SEC                         | Calculation                  | -           | 0.67      | 0.67      | 0.69      | 0.68     | 0.68     | 0.66      | 0.66      | 0.66      | 0.70      | 0.67      |
| Reg. Org. Compounds (EPA 525)            | EPA 525                      | µg/L        | -         | -         | -         | -        | -        | -         | -         | -         | -         | -         |
| Salinity                                 | SM2520B                      | psu         | 30.0      | 30.1      | 30.0      | 30.2     | 30.0     | 29.7      | 29.7      | 29.9      | 29.3      | 29.6      |
| Silica as SiO2, Dissolved                | EPA 200.7                    | mg/L        | 16        | 17        | 12        | 20       | 11       | ND        | 13        | ND        | 11        | 9.0       |
| Sodium                                   | EPA 200.7                    | mg/L        | 9,304     | 9,992     | 9,375     | 9,742    | 9,710    | 9,954     | 10,140    | 8,910     | 8,712     | 8,962     |
| Sodium, Dissolved                        | EPA 200.7                    | mg/L        | 9,470     | 9,820     | 9,720     | 10,200   | 9,780    | 9,740     | 9,600     | 8,830     | 8,770     | 8,960     |
| Specific Conductance (E.C)               | SM2510B                      | µmhos/cm    | 46,230    | 46,370    | 46,270    | 46,540   | 46,330   | 45,810    | 45,840    | 46,060    | 45,310    | 45,700    |
| Specific Conductance (E.C) (Field)       | SM2510B                      | µmhos/cm    | 46,803    | 46,648    | 46,445    | 46,511   | 46,179   | 46,097    | 46,063    | 46,477    | 45,300    | 46,236    |
| Strontium, Dissolved                     | EPA 200.8                    | µg/L        | 7,700     | 7,183     | 7,212     | 7,624    | 7,583    | 7,530     | 6,800     | 6,700     | 7,229     | 7,372     |
| Sulfate, Dissolved                       | EPA 300.0                    | mg/L        | 1,920     | 2,052     | 2,262     | 1,911    | 2,466    | 2,465     | 2,441     | 2,431     | 2,363     | 2,408     |
| Temperature (Field)                      | SM2550                       | ° C         | 16.4      | 16.1      | 16.1      | 15.9     | 15.6     | 15.6      | 15.4      | 15.3      | 15.3      | 15.1      |
| Total Diss. Solids                       | SM2540C                      | mg/L        | 30,900    | 31,000    | 31,800    | 31,500   | 31,600   | 30,400    | 30,200    | 30,500    | 31,700    | 30,800    |
| Turbidity                                | EPA 180.1                    | NTU         | 0.25      | 0.10      | 0.20      | 0.35     | 0.15     | 0.10      | 0.40      | 0.45      | 0.15      | 0.20      |
| Turbidity (Field)                        | EPA 180.1                    | NTU         | 1.06      | 0.18      | 0.24      | 0.41     | 0.17     | 0.12      | 0.14      | 0.25      | 0.29      | 0.16      |
| Volatile Org. Compounds (524)            | EPA 524                      | µg/L        | -         | -         | -         | -        | -        | -         | -         | -         | -         | -         |
| Zinc                                     | EPA 200.7                    | µg/L        | ND        | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND        | ND        |
| Zinc, Total                              | EPA 200.8                    | µg/L        | -         | -         | -         | -        | -        | -         | -         | -         | -         | -         |
| PCBs, Total                              | EPA 508                      | µg/L        | -         | -         | -         | -        | -        | -         | -         | -         | -         | -         |
| Total PCB                                | EPA 1668C                    | pg/L        | -         | -         | -         | -        | -        | -         | -         | -         | -         | -         |

Notes:

°C = Degrees Celsius  
CU = Color Units  
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ND = NOT DETECTED at or above the Reporting Limit (RL) or  
Practical Quantitation Limit (PQL). See laboratory water  
quality reports for RL and PQL values.

<sup>1</sup> Using EPA Method 200.8, Arsenic values are overstated due to  
matrix interference caused by high chloride levels. The overstated  
values are in laboratory reports through February 11, 2016.  
Going forward, EPA Method 1640 will be used for Arsenic analysis  
only.

Table 2: Summary of Test Slant Well Laboratory Water Quality Results

| Sample Collection Date:                  |                              |             | 2-Feb-17 | 9-Feb-17 | 15-Feb-17 | 24-Feb-17 | 1-Mar-17 | 8-Mar-17 | 15-Mar-17 | 23-Mar-17 | 29-Mar-17 | 5-Apr-17 |
|------------------------------------------|------------------------------|-------------|----------|----------|-----------|-----------|----------|----------|-----------|-----------|-----------|----------|
| Constituent                              | Method                       | Units       | Result   | Result   | Result    | Result    | Result   | Result   | Result    | Result    | Result    | Result   |
| Alkalinity, Total (as CaCO3)             | SM2320B                      | mg/L        | 114      | 117      | 113       | 110       | 113      | 112      | 110       | 109       | 107       | 108      |
| Aluminum, Total                          | EPA 200.8                    | µg/L        | ND       | ND       | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       |
| Ammonia-N, Dissolved                     | SM4500NH3 D & EPA 350.1      | mg/L        | ND       | ND       | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       |
| Arsenic, Total <sup>1</sup>              | EPA 200.8                    | µg/L        | -        | -        | -         | -         | -        | -        | -         | -         | -         | -        |
| Arsenic, Total                           | EPA 1640                     | µg/L        | 0.26     | 0.20     | 0.24      | 0.30      | 0.30     | 0.29     | 0.26      | 0.28      | 0.29      | 0.30     |
| Barium, Dissolved                        | EPA 200.8                    | µg/L        | ND       | ND       | ND        | ND        | ND       | ND       | ND        | ND        | 68        | ND       |
| Bicarbonate (as HCO3-)                   | SM2320B                      | mg/L        | 139      | 143      | 138       | 134       | 138      | 137      | 134       | 133       | 131       | 132      |
| Boron, Dissolved                         | EPA 200.7                    | mg/L        | 3.36     | 3.37     | 3.31      | 3.51      | 3.56     | 3.25     | 3.27      | 3.11      | 3.44      | 3.21     |
| Bromide, Dissolved                       | EPA 300.0                    | mg/L        | 55.4     | 55.2     | 55.6      | 56.1      | 55.7     | 55.1     | 53.7      | 52.3      | 54.1      | 52.2     |
| Calcium                                  | EPA 200.7                    | mg/L        | 486      | 497      | 467       | 492       | 464      | 459      | 478       | 405       | 398       | 415      |
| Calcium, Dissolved                       | EPA 200.7                    | mg/L        | 487      | 484      | 466       | 481       | 473      | 477      | 464       | 420       | 420       | 406      |
| Carbamates by HPLC (EPA 531)             | EPA 531                      | µg/L        | -        | -        | -         | -         | -        | -        | -         | -         | -         | -        |
| Carbonate as CaCO3                       | SM2320B                      | mg/L        | ND       | ND       | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       |
| Chloride, Dissolved                      | EPA 300.0                    | mg/L        | 16,638   | 16,746   | 16,794    | 17,028    | 16,860   | 16,522   | 16,264    | 16,086    | 16,048    | 16,370   |
| Chlorinated Pesticides and PCB (EPA 508) | EPA 508                      | µg/L        | -        | -        | -         | -         | -        | -        | -         | -         | -         | -        |
| Color, Apparent (Unfiltered)             | SM2120B                      | Color Units | ND       | ND       | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       |
| Copper                                   | EPA 200.7                    | µg/L        | ND       | ND       | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       |
| Copper, Total                            | EPA 200.8                    | µg/L        | -        | -        | -         | -         | -        | -        | -         | -         | -         | -        |
| DBCP & EDB                               | EPA 504.1                    | µg/L        | -        | -        | -         | -         | -        | -        | -         | -         | -         | -        |
| Dioxin                                   | EPA 1613                     | pg/L        | -        | -        | -         | -         | -        | -        | -         | -         | -         | -        |
| Diquat (EPA 549)                         | EPA 549                      | µg/L        | -        | -        | -         | -         | -        | -        | -         | -         | -         | -        |
| Dissolved Anions                         | Calculation                  | Meq/L       | 521.35   | 524.61   | 526.53    | 532.85    | 525.63   | 516.22   | 508.39    | 502.66    | 503.45    | 512.21   |
| Total Anions                             | Calculation                  | Meq/L       | 521.35   | 524.61   | 526.53    | 532.85    | 525.63   | 516.22   | 508.39    | 502.66    | 503.45    | 512.21   |
| Dissolved Cations                        | Calculation                  | Meq/L       | 516.21   | 512.58   | 496.59    | 497.38    | 492.63   | 488.89   | 494.69    | 495.32    | 500.18    | 483.86   |
| Total Cations                            | Calculation                  | Meq/L       | 530.41   | 541.45   | 489.87    | 501.11    | 490.19   | 489.96   | 488.39    | 485.02    | 462.87    | 492.88   |
| Fluoride, Dissolved                      | EPA 300.0                    | mg/L        | 0.7      | 0.9      | 0.9       | 0.8       | 0.8      | 0.9      | 0.8       | 0.9       | ND        | 0.7      |
| Hardness (as CaCO3)                      | SM2340B/Calc                 | mg/L        | 6,258    | 6,273    | 5,609     | 5,927     | 5,903    | 5,692    | 5,843     | 5,327     | 5,515     | 5,714    |
| Hydroxide                                | SM2320B                      | mg/L        | ND       | ND       | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       |
| Iodide                                   | EPA 9056M                    | µg/L        | ND       | ND       | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       |
| Iron                                     | EPA 200.7                    | µg/L        | ND       | ND       | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       |
| Iron, Dissolved                          | EPA 200.7                    | µg/L        | ND       | ND       | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       |
| Total Kjeldahl Nitrogen, Dissolved       | SM4500-NH3 B,C,E & EPA 351.1 | mg/L        | ND       | ND       | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       |
| Lead, Total                              | EPA 200.8                    | µg/L        | ND       | ND       | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       |
| Lithium                                  | EPA 200.8                    | µg/L        | 188      | 97       | 155       | 146       | 144      | 151      | 155       | 224       | 182       | 186      |
| Magnesium                                | EPA 200.7                    | mg/L        | 1,220    | 1,220    | 1,080     | 1,140     | 1,150    | 1,100    | 1,130     | 1,050     | 1,100     | 1,140    |
| Magnesium, Dissolved                     | EPA 200.7                    | mg/L        | 1,210    | 1,190    | 1,090     | 1,130     | 1,180    | 1,120    | 1,130     | 1,090     | 1,150     | 1,120    |
| Manganese, Dissolved                     | EPA 200.7                    | µg/L        | ND       | ND       | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       |
| Manganese, Total                         | EPA 200.7                    | µg/L        | ND       | ND       | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       |
| MBAS (Surfactants)                       | SM5540C                      | mg/L        | ND       | ND       | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       |
| Nitrate as N                             | EPA 300.0                    | mg/L        | -        | -        | -         | -         | -        | -        | -         | -         | -         | -        |
| Nitrate as NO3                           | EPA 300.0                    | mg/L        | 3        | 3        | 2         | 3         | 5        | 4        | 5         | 5         | 3         | 3        |
| Nitrate+Nitrite as N                     | EPA 300.0                    | mg/L        | 0.7      | 0.8      | 0.8       | 0.8       | 1.1      | 1.0      | 1.0       | 1.0       | 0.7       | 0.7      |
| Nitrite as NO2-N, Dissolved              | EPA 300.0                    | mg/L        | ND       | ND       | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       |
| Odor Threshold at 60 C                   | SM2150B                      | TON         | 1        | 1        | 1         | 1         | 1        | 1        | 1         | 1         | 1         | 1        |
| o-Phosphate-P                            | Hach 8048 & EPA 365.1        | mg/L        | 0.09     | 0.08     | 0.08      | 0.10      | 0.10     | 0.10     | 0.09      | 0.09      | 0.11      | 0.08     |
| pH (Field Test)                          | SM4500-H+B                   | pH          | 7.07     | 7.01     | 7.00      | 7.13      | 7.09     | 7.08     | 7.00      | 7.22      | 7.22      | 7.07     |
| pH (Laboratory)                          | SM4500-H+B                   | pH (H)      | 7.2      | 7.3      | 7.2       | 7.3       | 7.2      | 7.2      | 7.2       | 7.3       | 7.3       | 7.2      |
| Phenoxy Acid Herbicides (515.3)          | EPA 515.3                    | µg/L        | -        | -        | -         | -         | -        | -        | -         | -         | -         | -        |
| Phosphorus, Dissolved Total              | HACH 8190 & EPA 365.1        | mg/L        | 0.09     | 0.09     | 0.10      | 0.08      | 0.08     | 0.08     | 0.08      | 0.08      | 0.09      | 0.09     |
| Potassium                                | EPA 200.7                    | mg/L        | 306      | 301      | 285       | 299       | 284      | 272      | 278       | 272       | 276       | 289      |
| Potassium, Dissolved                     | EPA 200.7                    | mg/L        | 305      | 301      | 288       | 297       | 289      | 277      | 276       | 277       | 291       | 287      |
| QC Ratio TDS/SEC                         | Calculation                  | -           | 0.66     | 0.65     | 0.66      | 0.69      | 0.65     | 0.67     | 0.65      | 0.67      | 0.69      | 0.66     |
| Reg. Org. Compounds (EPA 525)            | EPA 525                      | µg/L        | -        | -        | -         | -         | -        | -        | -         | -         | -         | -        |
| Salinity                                 | SM2520B                      | psu         | 29.3     | 29.7     | 29.4      | 29.3      | 29.0     | 28.8     | 28.9      | 28.4      | 28.5      | 28.5     |
| Silica as SiO2, Dissolved                | EPA 200.7                    | mg/L        | 12       | 13       | 14        | 13        | 13       | 10       | ND        | 12        | 13        | 12       |
| Sodium                                   | EPA 200.7                    | mg/L        | 9,148    | 9,392    | 8,515     | 8,623     | 8,394    | 8,496    | 8,378     | 8,539     | 7,941     | 8,528    |
| Sodium, Dissolved                        | EPA 200.7                    | mg/L        | 8,840    | 8,800    | 8,650     | 8,570     | 8,380    | 8,410    | 8,540     | 8,680     | 8,670     | 8,370    |
| Specific Conductance (E.C)               | SM2510B                      | µmhos/cm    | 45,270   | 45,820   | 45,460    | 45,310    | 44,910   | 44,540   | 44,710    | 44,060    | 44,140    | 44,200   |
| Specific Conductance (E.C) (Field)       | SM2510B                      | µmhos/cm    | 45,256   | 45414    | 45,429    | 45,816    | 44,951   | 44,725   | 44,351    | 44,064    | 44,279    | 44,184   |
| Strontium, Dissolved                     | EPA 200.8                    | µg/L        | 7,066    | 7,254    | 7,194     | 7,238     | 7,093    | 7,271    | 7,197     | 8,222     | 7,208     | 7,922    |
| Sulfate, Dissolved                       | EPA 300.0                    | mg/L        | 2,352    | 2,359    | 2,390     | 2,379     | 2,256    | 2,264    | 2,240     | 2,208     | 2,298     | 2,284    |
| Temperature (Field)                      | SM2550                       | ° C         | 15.3     | 15.2     | 15.3      | 15.0      | 15       | 15.1     | 15.0      | 15.2      | 15.2      | 15.0     |
| Total Diss. Solids                       | SM2540C                      | mg/L        | 29,900   | 29,800   | 30,000    | 31,100    | 29,100   | 29,700   | 29,100    | 29,400    | 30,600    | 29,000   |
| Turbidity                                | EPA 180.1                    | NTU         | 0.30     | 0.25     | 0.15      | 0.10      | 0.20     | 0.25     | 0.25      | 0.50      | 0.35      | 0.15     |
| Turbidity (Field)                        | EPA 180.1                    | NTU         | 0.41     | 0.08     | 0.15      | 0.17      | 0.10     | 0.37     | 0.14      | 0.17      | 0.44      | 0.09     |
| Volatile Org. Compounds (524)            | EPA 524                      | µg/L        | -        | -        | -         | -         | -        | -        | -         | -         | -         | -        |
| Zinc                                     | EPA 200.7                    | µg/L        | ND       | ND       | ND        | ND        | ND       | ND       | ND        | ND        | ND        | ND       |
| Zinc, Total                              | EPA 200.8                    | µg/L        | -        | -        | -         | -         | -        | -        | -         | -         | -         | -        |
| PCBs, Total                              | EPA 508                      | µg/L        | -        | -        | -         | -         | -        | -        | -         | -         | -         | -        |
| Total PCB                                | EPA 1668C                    | pg/L        | -        | -        | -         | -         | -        | -        | -         | -         | -         | -        |

Notes:

°C = Degrees Celsius  
CU = Color Units  
Meq/L = Milliequivalents per Liter  
mg/L = Milligrams per Liter  
NTU = Nephelometric Turbidity Units  
pg/L = Picograms per Liter  
TON = Threshold Odor Number  
µg/L = Micograms per Liter  
µmhos/cm = Micromhos per Centimeter

ND = NOT DETECTED at or above the Reporting Limit (RL) or  
Practical Quantitation Limit (PQL). See laboratory water  
quality reports for RL and PQL values.

<sup>1</sup> Using EPA Method 200.8, Arsenic values are overstated due to  
matrix interference caused by high chloride levels. The overstated  
values are in laboratory reports through February 11, 2016.  
Going forward, EPA Method 1640 will be used for Arsenic analysis  
only.

Table 2: Summary of Test Slant Well Laboratory Water Quality Results

| Sample Collection Date:                  |                            |             | 13-Apr-17 | 19-Apr-17 | 26-Apr-17 | 3-May-17 | 10-May-17 | 18-May-17 | 24-May-17 | 31-May-17 | 8-Jun-17 | 14-Jun-17 |
|------------------------------------------|----------------------------|-------------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|
| Constituent                              | Method                     | Units       | Result    | Result    | Result    | Result   | Result    | Result    | Result    | Result    | Result   | Result    |
| Alkalinity, Total (as CaCO3)             | SM2320B                    | mg/L        | 107       | 108       | 108       | 109      | 108       | 108       | 108       | 111       | 113      | 113       |
| Aluminum, Total                          | EPA 200.8                  | µg/L        | ND        | 116       | 106       | ND       | ND        | ND        | ND        | ND        | ND       | ND        |
| Ammonia-N, Dissolved                     | SM4500NH3 D & EPA 350.1    | mg/L        | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND        | ND       | ND        |
| Arsenic, Total <sup>1</sup>              | EPA 200.8                  | µg/L        | -         | -         | -         | -        | -         | -         | -         | -         | -        | -         |
| Arsenic, Total                           | EPA 1640                   | µg/L        | 0.29      | 0.29      | 0.30      | 0.33     | 0.34      | 0.29      | 0.32      | 0.32      | 0.30     | 0.30      |
| Barium, Dissolved                        | EPA 200.8                  | µg/L        | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND        | 72       | ND        |
| Bicarbonate (as HCO3-)                   | SM2320B                    | mg/L        | 131       | 132       | 132       | 133      | 132       | 132       | 132       | 135       | 138      | 138       |
| Boron, Dissolved                         | EPA 200.7                  | mg/L        | 2.87      | 3.06      | 2.86      | 3.2      | 3.13      | 3.34      | 3.33      | 2.77      | 3.55     | 2.84      |
| Bromide, Dissolved                       | EPA 300.0                  | mg/L        | 51.9      | 55.3      | 54.5      | 54.1     | 55.9      | 55.7      | 56.6      | 53.9      | 62.2     | 57        |
| Calcium                                  | EPA 200.7                  | mg/L        | 442       | 460       | 439       | 439      | 464       | 462       | 456       | 521       | 500      | 494       |
| Calcium, Dissolved                       | EPA 200.7                  | mg/L        | 450       | 418       | 429       | 433      | 464       | 469       | 478       | 526       | 496      | 490       |
| Carbamates by HPLC (EPA 531)             | EPA 531                    | µg/L        | -         | -         | -         | -        | -         | -         | -         | -         | -        | -         |
| Carbonate as CaCO3                       | SM2320B                    | mg/L        | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND        | ND       | ND        |
| Chloride, Dissolved                      | EPA 300.0                  | mg/L        | 16,528    | 16,171    | 15,973    | 15,733   | 16,016    | 15,903    | 15,975    | 15,393    | 16,064   | 15,908    |
| Chlorinated Pesticides and PCB (EPA 508) | EPA 508                    | µg/L        | -         | -         | -         | -        | -         | -         | -         | -         | -        | -         |
| Color, Apparent (Unfiltered)             | SM2120B                    | Color Units | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND        | ND       | ND        |
| Copper                                   | EPA 200.7                  | µg/L        | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND        | ND       | ND        |
| Copper, Total                            | EPA 200.8                  | µg/L        | -         | -         | -         | -        | -         | -         | -         | -         | -        | -         |
| DBCP & EDB                               | EPA 504.1                  | µg/L        | -         | -         | -         | -        | -         | -         | -         | -         | -        | -         |
| Dioxin                                   | EPA 1613                   | pg/L        | -         | -         | -         | -        | -         | -         | -         | -         | -        | -         |
| Diquat (EPA 549)                         | EPA 549                    | µg/L        | -         | -         | -         | -        | -         | -         | -         | -         | -        | -         |
| Dissolved Anions                         | Calculation                | Meq/L       | 516.78    | 506.03    | 500.60    | 493.11   | 501.27    | 498.04    | 499.89    | 482.94    | 502.84   | 498.13    |
| Total Anions                             | Calculation                | Meq/L       | 516.78    | 506.03    | 500.60    | 493.11   | 501.27    | 498.04    | 499.89    | 482.94    | 502.84   | 498.13    |
| Dissolved Cations                        | Calculation                | Meq/L       | 496.81    | 518.02    | 487.93    | 457.64   | 483.41    | 511.09    | 529.98    | 511.80    | 539.35   | 538.05    |
| Total Cations                            | Calculation                | Meq/L       | 479.82    | 531.51    | 486.29    | 470.10   | 483.80    | 499.09    | 514.21    | 502.48    | 540.68   | 555.31    |
| Fluoride, Dissolved                      | EPA 300.0                  | mg/L        | ND        | 0.8       | 0.9       | 0.7      | 0.8       | 0.8       | 0.8       | 0.8       | 0.8      | 0.8       |
| Hardness (as CaCO3)                      | SM2340B/Calc               | mg/L        | 5,403     | 5,378     | 5,268     | 5,255    | 5,503     | 5,675     | 5,796     | 5,790     | 5,745    | 5,916     |
| Hydroxide                                | SM2320B                    | mg/L        | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND        | ND       | ND        |
| Iodide                                   | EPA 9056M                  | µg/L        | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND        | ND       | ND        |
| Iron                                     | EPA 200.7                  | µg/L        | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND        | ND       | ND        |
| Iron, Dissolved                          | EPA 200.7                  | µg/L        | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND        | ND       | ND        |
| Total Kjeldahl Nitrogen, Dissolved       | SM4500-NH3 B,C,E & EPA 351 | mg/L        | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND        | ND       | ND        |
| Lead, Total                              | EPA 200.8                  | µg/L        | ND        | ND        | ND        | ND       | ND        | ND        | ND        | -         | ND       | ND        |
| Lithium                                  | EPA 200.8                  | µg/L        | 184       | 177       | 187       | 154      | 158       | 160       | 145       | 134       | 175      | 173       |
| Magnesium                                | EPA 200.7                  | mg/L        | 1,040     | 1,030     | 1,010     | 1,010    | 1,060     | 1,100     | 1,130     | 1,090     | 1,090    | 1,140     |
| Magnesium, Dissolved                     | EPA 200.7                  | mg/L        | 1,080     | 1,150     | 921       | 973      | 1,051     | 1,130     | 1,120     | 1,120     | 1,120    | 1,120     |
| Manganese, Dissolved                     | EPA 200.7                  | µg/L        | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND        | ND       | ND        |
| Manganese, Total                         | EPA 200.7                  | µg/L        | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND        | ND       | ND        |
| MBAS (Surfactants)                       | SM5540C                    | mg/L        | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND        | ND       | ND        |
| Nitrate as N                             | EPA 300.0                  | mg/L        | -         | -         | -         | -        | -         | -         | -         | -         | -        | -         |
| Nitrate as NO3                           | EPA 300.0                  | mg/L        | 3         | 7         | 7         | 4        | 4         | 4         | 4         | 4         | 4        | 4         |
| Nitrate+Nitrite as N                     | EPA 300.0                  | mg/L        | 0.8       | 1.5       | 1.5       | 1.1      | 0.9       | 1.0       | 0.9       | 0.9       | 0.9      | 0.9       |
| Nitrite as NO2-N, Dissolved              | EPA 300.0                  | mg/L        | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND        | ND       | ND        |
| Odor Threshold at 60 C                   | SM2150B                    | TON         | 1         | 1         | 1         | 1        | 1         | 1         | 1         | 2         | 1        | 1         |
| o-Phosphate-P                            | Hach 8048 & EPA 365.1      | mg/L        | 0.09      | 0.08      | 0.08      | 0.08     | 0.08      | 0.09      | 0.08      | 0.08      | 0.08     | 0.08      |
| pH (Field Test)                          | SM4500-H+B                 | pH          | 7.08      | 7.08      | 7.08      | 7.08     | 7.08      | 7.01      | 7.02      | 7.02      | 6.98     | 7.16      |
| pH (Laboratory)                          | SM4500-H+B                 | pH (H)      | 6.8       | 7.1       | 7.2       | 7.3      | 7.3       | 7.3       | 7.2       | 7.1       | 7.3      | 7.2       |
| Phenoxy Acid Herbicides (515.3)          | EPA 515.3                  | µg/L        | -         | -         | -         | -        | -         | -         | -         | -         | -        | -         |
| Phosphorus, Dissolved Total              | HACH 8190 & EPA 365.1      | mg/L        | 0.08      | 0.08      | 0.09      | 0.08     | 0.06      | 0.09      | 0.07      | 0.08      | 0.09     | 0.06      |
| Potassium                                | EPA 200.7                  | mg/L        | 272       | 273       | 272       | 314      | 276       | 288       | 291       | 324       | 384      | 319       |
| Potassium, Dissolved                     | EPA 200.7                  | mg/L        | 275       | 278       | 259       | 264      | 276       | 295       | 300       | 295       | 325      | 320       |
| QC Ratio TDS/SEC                         | Calculation                | -           | 0.65      | 0.67      | 0.67      | 0.68     | 0.67      | 0.68      | 0.68      | 0.67      | 0.67     | 0.68      |
| Reg. Org. Compounds (EPA 525)            | EPA 525                    | µg/L        | -         | -         | -         | -        | -         | -         | -         | -         | -        | -         |
| Salinity                                 | SM2520B                    | psu         | 28.4      | 28.4      | 28.4      | 28.5     | 28.7      | 28.2      | 28.2      | 28.2      | 28.5     | 28.3      |
| Silica as SiO2, Dissolved                | EPA 200.7                  | mg/L        | ND        | 14        | 11        | ND       | 13        | 15        | 15        | 20        | 17       | ND        |
| Sodium                                   | EPA 200.7                  | mg/L        | 8,396     | 9,582     | 8,605     | 8,208    | 8,422     | 8,693     | 8,989     | 8,701     | 9,568    | 9,855     |
| Sodium, Dissolved                        | EPA 200.7                  | mg/L        | 8,700     | 9,090     | 8,830     | 8,270    | 8,430     | 8,900     | 9,340     | 8,870     | 9,520    | 9,500     |
| Specific Conductance (E.C)               | SM2510B                    | µmhos/cm    | 44,010    | 44,100    | 44,020    | 44,120   | 44,420    | 43,820    | 43,730    | 43,740    | 44,180   | 43,840    |
| Specific Conductance (E.C) (Field)       | SM2510B                    | µmhos/cm    | 44,004    | 44,144    | 44,093    | 44,202   | 44,254    | 43,823    | 43,689    | 43,626    | 43,677   | 43,625    |
| Strontium, Dissolved                     | EPA 200.8                  | µg/L        | 7,948     | 7,160     | 7,098     | 7,256    | 6,858     | 6,773     | 6,865     | 6,810     | 7,575    | 7,244     |
| Sulfate, Dissolved                       | EPA 300.0                  | mg/L        | 2,290     | 2,252     | 2,260     | 2,226    | 2,235     | 2,233     | 2,224     | 2,197     | 2,237    | 2,225     |
| Temperature (Field)                      | SM2550                     | ° C         | 15.0      | 15.3      | 15.3      | 15.4     | 15.2      | 15.2      | 15.3      | 15.4      | 15.3     | 15.4      |
| Total Diss. Solids                       | SM2540C                    | mg/L        | 28,800    | 29,600    | 29,400    | 29,900   | 29,800    | 29,600    | 29,600    | 29,300    | 29,600   | 30,000    |
| Turbidity                                | EPA 180.1                  | NTU         | 0.20      | 0.20      | 0.25      | 0.25     | 1.5       | 0.60      | 0.25      | 0.20      | 0.15     | 0.15      |
| Turbidity (Field)                        | EPA 180.1                  | NTU         | 0.12      | 0.15      | 0.22      | 0.25     | 0.21      | 0.21      | 0.13      | 0.14      | 0.18     | 0.21      |
| Volatile Org. Compounds (524)            | EPA 524                    | µg/L        | -         | -         | -         | -        | -         | -         | -         | -         | -        | -         |
| Zinc                                     | EPA 200.7                  | µg/L        | ND        | ND        | ND        | ND       | ND        | ND        | ND        | ND        | ND       | ND        |
| Zinc, Total                              | EPA 200.8                  | µg/L        | -         | -         | -         | -        | -         | -         | -         | -         | -        | -         |
| PCBs, Total                              | EPA 508                    | µg/L        | -         | -         | -         | -        | -         | -         | -         | -         | -        | -         |
| Total PCB                                | EPA 1668C                  | pg/L        | -         | -         | -         | -        | -         | -         | -         | -         | -        | -         |

Notes:

°C = Degrees Celsius  
CU = Color Units  
Meq/L = Milliequivalents per Liter  
mg/L = Milligrams per Liter  
NTU = Nephelometric Turbidity Units  
pg/L = Picograms per Liter  
TON = Threshold Odor Number  
µg/L = Micograms per Liter  
µmhos/cm = Micromhos per Centimeter

ND = NOT DETECTED at or above the Reporting Limit (RL) or  
Practical Quantitation Limit (PQL). See laboratory water  
quality reports for RL and PQL values.

<sup>1</sup> Using EPA Method 200.8, Arsenic values are overstated due to  
matrix interference caused by high chloride levels. The overstated  
values are in laboratory reports through February 11, 2016.  
Going forward, EPA Method 1640 will be used for Arsenic analysis  
only.

Table 2: Summary of Test Slant Well Laboratory Water Quality Results

| Sample Collection Date:                  |                              |             | 21-Jun-17 | 28-Jun-17 | 5-Jul-17 | 12-Jul-17 | 19-Jul-17 | 26-Jul-17 | 2-Aug-17 | 9-Aug-17 | 16-Aug-17 | 23-Aug-17 |
|------------------------------------------|------------------------------|-------------|-----------|-----------|----------|-----------|-----------|-----------|----------|----------|-----------|-----------|
| Constituent                              | Method                       | Units       | Result    | Result    | Result   | Result    | Result    | Result    | Result   | Result   | Result    | Result    |
| Alkalinity, Total (as CaCO3)             | SM2320B                      | mg/L        | 112       | 114       | 114      | 115       | 114       | 114       | 113      | 114      | 113       | 114       |
| Aluminum, Total                          | EPA 200.8                    | µg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND       | ND        | ND        |
| Ammonia-N, Dissolved                     | SM4500NH3 D & EPA 350.1      | mg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND       | ND        | ND        |
| Arsenic, Total <sup>1</sup>              | EPA 200.8                    | µg/L        | -         | -         | -        | -         | -         | -         | -        | -        | -         | -         |
| Arsenic, Total                           | EPA 1640                     | µg/L        | 0.29      | 0.36      | 0.36     | 0.23      | 0.28      | 0.22      | 0.21     | 0.23     | 0.22      | 0.28      |
| Barium, Dissolved                        | EPA 200.8                    | µg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND       | ND        | ND        |
| Bicarbonate (as HCO3-)                   | SM2320B                      | mg/L        | 137       | 139       | 139      | 140       | 139       | 139       | 138      | 139      | 138       | 139       |
| Boron, Dissolved                         | EPA 200.7                    | mg/L        | 3.77      | 3.33      | 3.3      | 2.44      | 3.33      | 3.40      | 2.92     | 3.28     | 3.45      | 3.74      |
| Bromide, Dissolved                       | EPA 300.0                    | mg/L        | 51.9      | 51.0      | 52.2     | 55.3      | 56.5      | 57.9      | 59.1     | 55.8     | 54.9      | 39.8      |
| Calcium                                  | EPA 200.7                    | mg/L        | 559       | 490       | 561      | 523       | 486       | 504       | 407      | 489      | 504       | 738       |
| Calcium, Dissolved                       | EPA 200.7                    | mg/L        | 580       | 482       | 508      | 541       | 488       | 506       | 427      | 483      | 485       | 740       |
| Carbamates by HPLC (EPA 531)             | EPA 531                      | µg/L        | -         | -         | -        | -         | -         | -         | -        | -        | -         | -         |
| Carbonate as CaCO3                       | SM2320B                      | mg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND       | ND        | ND        |
| Chloride, Dissolved                      | EPA 300.0                    | mg/L        | 15,110    | 15,550    | 15,817   | 15,996    | 16,292    | 16,572    | 17,007   | 16,452   | 16,738    | 15,992    |
| Chlorinated Pesticides and PCB (EPA 508) | EPA 508                      | µg/L        | -         | -         | -        | -         | -         | -         | -        | -        | -         | -         |
| Color, Apparent (Unfiltered)             | SM2120B                      | Color Units | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND       | ND        | ND        |
| Copper                                   | EPA 200.7                    | µg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND       | ND        | ND        |
| Copper, Total                            | EPA 200.8                    | µg/L        | -         | -         | -        | -         | -         | -         | -        | -        | -         | -         |
| DBCP & EDB                               | EPA 504.1                    | µg/L        | -         | -         | -        | -         | -         | -         | -        | -        | -         | -         |
| Dioxin                                   | EPA 1613                     | pg/L        | -         | -         | -        | -         | -         | -         | -        | -        | -         | -         |
| Diquat (EPA 549)                         | EPA 549                      | µg/L        | -         | -         | -        | -         | -         | -         | -        | -        | -         | -         |
| Dissolved Anions                         | Calculation                  | Meq/L       | 475.36    | 488.10    | 495.48   | 496.86    | 509.36    | 518.74    | 531.54   | 514.72   | 524.04    | 500.45    |
| Total Anions                             | Calculation                  | Meq/L       | 475.36    | 488.10    | 495.48   | 496.86    | 509.36    | 518.74    | 531.54   | 514.72   | 524.04    | 500.45    |
| Dissolved Cations                        | Calculation                  | Meq/L       | 526.04    | 508.51    | 529.93   | 502.41    | 499.74    | 499.71    | 497.53   | 499.13   | 487.85    | 520.31    |
| Total Cations                            | Calculation                  | Meq/L       | 520.58    | 511.83    | 549.43   | 514.48    | 488.40    | 490.03    | 489.71   | 506.68   | 504.92    | 525.08    |
| Fluoride, Dissolved                      | EPA 300.0                    | mg/L        | 0.8       | 0.8       | 0.8      | 0.7       | 0.7       | 0.7       | 0.7      | 0.7      | 0.6       | 0.6       |
| Hardness (as CaCO3)                      | SM2340B/Calc                 | mg/L        | 6,255     | 5,622     | 6,095    | 5,473     | 5,212     | 5,607     | 4,702    | 5,594    | 5,681     | 6,447     |
| Hydroxide                                | SM2320B                      | mg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND       | ND        | ND        |
| Iodide                                   | EPA 9056M                    | µg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND       | ND        | ND        |
| Iron                                     | EPA 200.7                    | µg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND       | ND        | ND        |
| Iron, Dissolved                          | EPA 200.7                    | µg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND       | ND        | ND        |
| Total Kjeldahl Nitrogen, Dissolved       | SM4500-NH3 B,C,E & EPA 351.1 | mg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND       | ND        | ND        |
| Lead, Total                              | EPA 200.8                    | µg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND       | ND        | ND        |
| Lithium                                  | EPA 200.8                    | µg/L        | 152       | 166       | 163      | 182       | 219       | 116       | 191      | 177      | 177       | 192       |
| Magnesium                                | EPA 200.7                    | mg/L        | 1,180     | 1,070     | 1,140    | 1,010     | 971       | 1,060     | 895      | 1,060    | 1,070     | 1,120     |
| Magnesium, Dissolved                     | EPA 200.7                    | mg/L        | 1,200     | 1,070     | 1,140    | 960       | 975       | 1,080     | 937      | 1,060    | 1,040     | 1,110     |
| Manganese, Dissolved                     | EPA 200.7                    | µg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND       | ND        | ND        |
| Manganese, Total                         | EPA 200.7                    | µg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND       | ND        | ND        |
| MBAS (Surfactants)                       | SM5540C                      | mg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND       | ND        | ND        |
| Nitrate as N                             | EPA 300.0                    | mg/L        | -         | -         | -        | -         | -         | -         | -        | -        | -         | -         |
| Nitrate as NO3                           | EPA 300.0                    | mg/L        | 4         | 4         | 4        | 5         | 6         | 5         | 6        | 6        | 6         | 5         |
| Nitrate+Nitrite as N                     | EPA 300.0                    | mg/L        | 1.1       | 0.9       | 0.9      | 1.2       | 1.3       | 1.2       | 1.3      | 1.3      | 1.3       | 1.0       |
| Nitrite as NO2-N, Dissolved              | EPA 300.0                    | mg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND       | ND        | ND        |
| Odor Threshold at 60 C                   | SM2150B                      | TON         | 1         | 1         | 1        | 1         | 1         | 1         | 1        | 1        | 1         | 1         |
| o-Phosphate-P                            | Hach 8048 & EPA 365.1        | mg/L        | 0.06      | 0.08      | 0.08     | 0.07      | 0.07      | 0.08      | 0.10     | 0.09     | 0.08      | 0.08      |
| pH (Field Test)                          | SM4500-H+B                   | pH          | 7.12      | 7.18      | 7.18     | 7.18      | 7.18      | 7.01      | 7.00     | 7.00     | 7.00      | 7.00      |
| pH (Laboratory)                          | SM4500-H+B                   | pH (H)      | 7.2       | 7.3       | 6.9      | 7.2       | 7.3       | 7.2       | 7.3      | 7.2      | 7.4       | 7.2       |
| Phenoxy Acid Herbicides (515.3)          | EPA 515.3                    | µg/L        | -         | -         | -        | -         | -         | -         | -        | -        | -         | -         |
| Phosphorus, Dissolved Total              | HACH 8190 & EPA 365.1        | mg/L        | 0.06      | 0.08      | 0.08     | 0.07      | 0.07      | 0.08      | 0.08     | 0.09     | 0.08      | 0.08      |
| Potassium                                | EPA 200.7                    | mg/L        | 328       | 277       | 295      | 249       | 259       | 275       | 231      | 277      | 278       | 288       |
| Potassium, Dissolved                     | EPA 200.7                    | mg/L        | 336       | 277       | 294      | 260       | 262       | 279       | 245      | 273      | 270       | 284       |
| QC Ratio TDS/SEC                         | Calculation                  | -           | 0.64      | 0.67      | 0.66     | 0.67      | 0.66      | 0.68      | 0.67     | 0.69     | 0.68      | 0.70      |
| Reg. Org. Compounds (EPA 525)            | EPA 525                      | µg/L        | -         | -         | -        | -         | -         | -         | -        | -        | -         | -         |
| Salinity                                 | SM2520B                      | psu         | 28.3      | 28.1      | 28.3     | 28.0      | 27.9      | 28.1      | 28.4     | 28.0     | 28.7      | 28.5      |
| Silica as SiO2, Dissolved                | EPA 200.7                    | mg/L        | 18        | 12        | 10       | 11        | 14        | 17        | 10       | 13       | 17        | 15        |
| Sodium                                   | EPA 200.7                    | mg/L        | 8,901     | 9,017     | 9,657    | 9,170     | 8,681     | 8,520     | 8,962    | 8,915    | 8,834     | 8,940     |
| Sodium, Dissolved                        | EPA 200.7                    | mg/L        | 8,960     | 8,950     | 9,270    | 8,960     | 8,930     | 8,700     | 9,030    | 8,760    | 8,540     | 8,850     |
| Specific Conductance (E.C)               | SM2510B                      | µmhos/cm    | 43,900    | 43,570    | 43,840   | 43,480    | 43,360    | 43,600    | 44,000   | 43,430   | 44,420    | 44,180    |
| Specific Conductance (E.C) (Field)       | SM2510B                      | µmhos/cm    | 43,687    | 43,633    | 43,501   | 43,353    | 43,305    | 43,451    | 43,437   | 43,266   | 43,408    | 43,583    |
| Strontium, Dissolved                     | EPA 200.8                    | µg/L        | 7,297     | 7,718     | 7,210    | 6,593     | 7,967     | 6,799     | 6,348    | 7,320    | 7,406     | 6,853     |
| Sulfate, Dissolved                       | EPA 300.0                    | mg/L        | 2,216     | 2,231     | 2,223    | 2,043     | 2,242     | 2,313     | 2,338    | 2,267    | 2,329     | 2,218     |
| Temperature (Field)                      | SM2550                       | ° C         | 15.6      | 15.4      | 16.3     | 15.5      | 15.5      | 15.7      | 15.8     | 15.7     | 15.9      | 15.9      |
| Total Diss. Solids                       | SM2540C                      | mg/L        | 28,100    | 29,400    | 29,000   | 29,000    | 28,500    | 29,600    | 29,600   | 30,000   | 30,400    | 30,800    |
| Turbidity                                | EPA 180.1                    | NTU         | 0.15      | 0.60      | 0.10     | 0.05      | 0.20      | 0.10      | 0.25     | 0.25     | 0.30      | 0.15      |
| Turbidity (Field)                        | EPA 180.1                    | NTU         | 0.13      | 0.26      | 0.34     | 0.24      | 0.17      | 0.18      | 0.15     | 0.15     | 0.13      | 0.08      |
| Volatile Org. Compounds (524)            | EPA 524                      | µg/L        | -         | -         | -        | -         | -         | -         | -        | -        | -         | -         |
| Zinc                                     | EPA 200.7                    | µg/L        | ND        | ND        | ND       | ND        | ND        | ND        | ND       | ND       | ND        | ND        |
| Zinc, Total                              | EPA 200.8                    | µg/L        | -         | -         | -        | -         | -         | -         | -        | -        | -         | -         |
| PCBs, Total                              | EPA 508                      | µg/L        | -         | -         | -        | -         | -         | -         | -        | -        | -         | -         |
| Total PCB                                | EPA 1668C                    | pg/L        | -         | -         | -        | -         | -         | -         | -        | -        | -         | -         |

Notes:

°C = Degrees Celsius  
CU = Color Units  
Meq/L = Milliequivalents per Liter  
mg/L = Milligrams per Liter  
NTU = Nephelometric Turbidity Units  
pg/L = Picograms per Liter  
TON = Threshold Odor Number  
µg/L = Micograms per Liter  
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ND = NOT DETECTED at or above the Reporting Limit (RL) or Practical Quantitation Limit (PQL). See laboratory water quality reports for RL and PQL values.

<sup>1</sup> Using EPA Method 200.8, Arsenic values are overstated due to matrix interference caused by high chloride levels. The overstated values are in laboratory reports through February 11, 2016. Going forward, EPA Method 1640 will be used for Arsenic analysis only.

Table 2: Summary of Test Slant Well Laboratory Water Quality Results

| Sample Collection Date:                  |                            |             | 31-Aug-17 | 6-Sep-17 | 13-Sep-17 | 20-Sep-17 |
|------------------------------------------|----------------------------|-------------|-----------|----------|-----------|-----------|
| Constituent                              | Method                     | Units       | Result    | Result   | Result    | Result    |
| Alkalinity, Total (as CaCO3)             | SM2320B                    | mg/L        | 114       | 115      | 114       | 114       |
| Aluminum, Total                          | EPA 200.8                  | µg/L        | ND        | ND       | ND        | ND        |
| Ammonia-N, Dissolved                     | SM4500NH3 D & EPA 350.1    | mg/L        | ND        | ND       | ND        | ND        |
| Arsenic, Total <sup>1</sup>              | EPA 200.8                  | µg/L        | -         | -        | -         | -         |
| Arsenic, Total                           | EPA 1640                   | µg/L        | 0.23      | 0.22     | 0.22      | Pending   |
| Barium, Dissolved                        | EPA 200.8                  | µg/L        | ND        | ND       | ND        | ND        |
| Bicarbonate (as HCO3-)                   | SM2320B                    | mg/L        | 139       | 140      | 139       | 139       |
| Boron, Dissolved                         | EPA 200.7                  | mg/L        | 3.39      | 3.68     | 3.80      | 2.67      |
| Bromide, Dissolved                       | EPA 300.0                  | mg/L        | 53.2      | 56.1     | 56.1      | 53.7      |
| Calcium                                  | EPA 200.7                  | mg/L        | 759       | 404      | 535       | 535       |
| Calcium, Dissolved                       | EPA 200.7                  | mg/L        | 824       | 456      | 499       | 515       |
| Carbamates by HPLC (EPA 531)             | EPA 531                    | µg/L        | -         | -        | -         | -         |
| Carbonate as CaCO3                       | SM2320B                    | mg/L        | ND        | ND       | ND        | ND        |
| Chloride, Dissolved                      | EPA 300.0                  | mg/L        | 16,661    | 16,432   | 16,200    | 16,100    |
| Chlorinated Pesticides and PCB (EPA 508) | EPA 508                    | µg/L        | -         | -        | -         | -         |
| Color, Apparent (Unfiltered)             | SM2120B                    | Color Units | ND        | ND       | ND        | ND        |
| Copper                                   | EPA 200.7                  | µg/L        | ND        | ND       | ND        | ND        |
| Copper, Total                            | EPA 200.8                  | µg/L        | -         | -        | -         | -         |
| DBCP & EDB                               | EPA 504.1                  | µg/L        | -         | -        | -         | -         |
| Dioxin                                   | EPA 1613                   | pg/L        | -         | -        | -         | -         |
| Diquat (EPA 549)                         | EPA 549                    | µg/L        | -         | -        | -         | -         |
| Dissolved Anions                         | Calculation                | Meq/L       | 520.32    | 512.79   | 506.32    | 503.25    |
| Total Anions                             | Calculation                | Meq/L       | 520.32    | 512.79   | 506.32    | 503.25    |
| Dissolved Cations                        | Calculation                | Meq/L       | 497.84    | 515.38   | 516.67    | 517.83    |
| Total Cations                            | Calculation                | Meq/L       | 508.00    | 529.94   | 548.05    | 516.68    |
| Fluoride, Dissolved                      | EPA 300.0                  | mg/L        | 0.6       | 0.5      | 0.6       | 0.7       |
| Hardness (as CaCO3)                      | SM2340B/Calc               | mg/L        | 6,200     | 5,750    | 6,210     | 5,980     |
| Hydroxide                                | SM2320B                    | mg/L        | ND        | ND       | ND        | ND        |
| Iodide                                   | EPA 9056M                  | µg/L        | ND        | ND       | ND        | Pending   |
| Iron                                     | EPA 200.7                  | µg/L        | ND        | ND       | ND        | ND        |
| Iron, Dissolved                          | EPA 200.7                  | µg/L        | ND        | ND       | ND        | ND        |
| Total Kjeldahl Nitrogen, Dissolved       | SM4500-NH3 B,C,E & EPA 351 | mg/L        | ND        | ND       | ND        | ND        |
| Lead, Total                              | EPA 200.8                  | µg/L        | ND        | ND       | ND        | ND        |
| Lithium                                  | EPA 200.8                  | µg/L        | 214       | 226      | 170       | 153       |
| Magnesium                                | EPA 200.7                  | mg/L        | 1,068     | 1,030    | 1,180     | 1,130     |
| Magnesium, Dissolved                     | EPA 200.7                  | mg/L        | 1,024     | 918      | 1,120     | 1,110     |
| Manganese, Dissolved                     | EPA 200.7                  | µg/L        | ND        | ND       | ND        | ND        |
| Manganese, Total                         | EPA 200.7                  | µg/L        | ND        | ND       | ND        | ND        |
| MBAS (Surfactants)                       | SM5540C                    | mg/L        | ND        | ND       | ND        | ND        |
| Nitrate as N                             | EPA 300.0                  | mg/L        | 1.2       | 1.3      | 1.6       | 1.4       |
| Nitrate as NO3                           | EPA 300.0                  | mg/L        | 5         | 6        | 7         | 6         |
| Nitrate+Nitrite as N                     | EPA 300.0                  | mg/L        | 1.2       | 1.3      | 1.6       | 1.4       |
| Nitrite as NO2-N, Dissolved              | EPA 300.0                  | mg/L        | ND        | ND       | ND        | ND        |
| Odor Threshold at 60 C                   | SM2150B                    | TON         | 1         | 1        | 2         | 1         |
| o-Phosphate-P                            | Hach 8048 & EPA 365.1      | mg/L        | 0.08      | 0.07     | 0.08      | 0.08      |
| pH (Field Test)                          | SM4500-H+B                 | pH          | 7.00      | 7.01     | 7.17      | 7.17      |
| pH (Laboratory)                          | SM4500-H+B                 | pH (H)      | 7.4       | 7.2      | 7.2       | 7.2       |
| Phenoxy Acid Herbicides (515.3)          | EPA 515.3                  | µg/L        | -         | -        | -         | -         |
| Phosphorus, Dissolved Total              | HACH 8190 & EPA 365.1      | mg/L        | 0.08      | 0.08     | 0.09      | 0.08      |
| Potassium                                | EPA 200.7                  | mg/L        | 279       | 290      | 311       | 283       |
| Potassium, Dissolved                     | EPA 200.7                  | mg/L        | 269       | 269      | 283       | 295       |
| QC Ratio TDS/SEC                         | Calculation                | -           | 0.67      | 0.68     | 0.68      | 0.66      |
| Reg. Org. Compounds (EPA 525)            | EPA 525                    | µg/L        | -         | -        | -         | -         |
| Salinity                                 | SM2520B                    | psu         | 28.2      | 28.2     | 28.4      | 28.4      |
| Silica as SiO2, Dissolved                | EPA 200.7                  | mg/L        | 14        | 12       | 10        | 13        |
| Sodium                                   | EPA 200.7                  | mg/L        | 8,623     | 9,600    | 9,570     | 8,960     |
| Sodium, Dissolved                        | EPA 200.7                  | mg/L        | 8,404     | 9,430    | 9,020     | 9,040     |
| Specific Conductance (E.C)               | SM2510B                    | µmhos/cm    | 43,710    | 43,810   | 44,080    | 44,030    |
| Specific Conductance (E.C) (Field)       | SM2510B                    | µmhos/cm    | 43,261    | 43,510   | 43,920    | 43,820    |
| Strontium, Dissolved                     | EPA 200.8                  | µg/L        | 6,822     | 7,060    | 6,510     | 5,900     |
| Sulfate, Dissolved                       | EPA 300.0                  | mg/L        | 2,271     | 2,262    | 2,220     | 2,210     |
| Temperature (Field)                      | SM2550                     | ° C         | 15.9      | 16.0     | 16.1      | 16.3      |
| Total Diss. Solids                       | SM2540C                    | mg/L        | 29,400    | 29,700   | 29,800    | 29,100    |
| Turbidity                                | EPA 180.1                  | NTU         | 0.10      | 0.20     | 0.15      | 0.35      |
| Turbidity (Field)                        | EPA 180.1                  | NTU         | 0.20      | 0.18     | 0.05      | 0.07      |
| Volatile Org. Compounds (524)            | EPA 524                    | µg/L        | -         | -        | -         | -         |
| Zinc                                     | EPA 200.7                  | µg/L        | ND        | ND       | ND        | ND        |
| Zinc, Total                              | EPA 200.8                  | µg/L        | -         | -        | -         | -         |
| PCBs, Total                              | EPA 508                    | µg/L        | -         | -        | -         | -         |
| Total PCB                                | EPA 1668C                  | pg/L        | -         | -        | -         | -         |

Notes:

°C = Degrees Celsius  
CU = Color Units  
Meq/L = Milliequivalents per Liter  
mg/L = Milligrams per Liter  
NTU = Nephelometric Turbidity Units  
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ND = NOT DETECTED at or above the Reporting Limit (RL) or Practical Quantitation Limit (PQL). See laboratory water quality reports for RL and PQL values.

<sup>1</sup> Using EPA Method 200.8, Arsenic values are overstated due to matrix interference caused by high chloride levels. The overstated values are in laboratory reports through February 11, 2016. Going forward, EPA Method 1640 will be used for Arsenic analysis only.

## APPENDICES



## **APPENDIX A-1**

**Coastal Development Permit # A-3-MRA-14-0050**

**8-Dec-14**



**CALIFORNIA COASTAL COMMISSION**

45 FREMONT, SUITE 2000  
SAN FRANCISCO, CA 94105-2219  
VOICE (415) 904-5200  
FAX (415) 904-5400  
TDD (415) 597-5885

**COASTAL DEVELOPMENT PERMIT**

On November 12, 2014, by a vote of 11-0, the California Coastal Commission granted to California American Water Company (Cal-Am) Coastal Development Permit #A-3-MRA-14-0050 subject to the attached standard and special conditions, for development consisting of:

Construction, operation, and decommissioning of a test slant well at the CEMEX sand mining facility in the City of Marina and beneath Monterey Bay in the County of Monterey.

Issued on behalf of the Coastal Commission on December 8, 2014.

CHARLES LESTER  
Executive Director

A handwritten signature in cursive script, appearing to read "Alison J. Dettmer".

By: ALISON J. DETTMER  
Deputy Director  
Energy, Ocean Resources, and Federal Consistency Division

Permit A-3-MRA-14-0050

December 8, 2014

Page 2 of 12

Acknowledgment:

The undersigned Permittee acknowledges receipt of this permit and agrees to abide by all terms and conditions thereof.

The undersigned Permittee acknowledges that Government Code Section 818.4, which states in pertinent part, that: "A public entity is not liable for injury caused by the issuance... of any permit..." applies to the issuance of this permit.

IMPORTANT: THIS PERMIT IS NOT VALID UNLESS AND UNTIL A COPY OF THE PERMIT WITH THE SIGNED ACKNOWLEDGMENT HAS BEEN RETURNED TO THE COMMISSION OFFICE (14 Cal. Admin. Code Section 13158(a).)

12/8/14  
Date

  
Signature of Permittee or Representative

## STANDARD CONDITIONS

This permit is subject to the following standard conditions:

1. **Notice of Receipt and Acknowledgment.** The permit is not valid and development shall not commence until a copy of the permit, signed by the Permittee or authorized agent, acknowledging receipt of the permit and acceptance of the terms and conditions, is returned to the Commission office.
2. **Expiration.** If development has not commenced, the permit will expire two years from the date on which the Commission voted on the application. Development shall be pursued in a diligent manner and completed in a reasonable period of time. Application for extension of the permit must be made prior to the expiration date.
3. **Interpretation.** Any questions of intent of interpretation of any condition will be resolved by the Executive Director or the Commission.
4. **Assignment.** The permit may be assigned to any qualified person, provided assignee files with the Commission an affidavit accepting all terms and conditions of the permit.
5. **Terms and Conditions Run with the Land.** These terms and conditions shall be perpetual, and it is the intention of the Commission and the Permittee to bind all future owners and possessors of the subject property to the terms and conditions.

## SPECIAL CONDITIONS

This permit is subject to the following special conditions:

1. **Proof of Legal Interest and Other Approvals.** The Permittee shall provide to the Executive Director a copy of each of the following approvals or documentation from the relevant agency that such approval is not required:
  - a. PRIOR TO PERMIT ISSUANCE, proof of legal interest in the project site.
  - b. PRIOR TO CONNECTING TO THE OUTFALL, the negotiated agreement or memorandum of understanding between the applicant and the Monterey Regional Water Pollution Control Agency ("MRWPCA") regarding connection and use of the ocean outfall for discharge of water produced from the test well.
  - c. PRIOR TO ISSUANCE OF CDP 9-14-1735, a lease from the State Lands Commission.

The Permittee shall inform the Executive Director of any changes to the project required by, or resulting from, these permits or approvals. Such changes shall not be incorporated into the project until the Permittee obtains a Commission amendment to this permit, unless the Executive Director determines that no amendment is legally required.

2. **Liability for Costs and Attorneys Fees.** The Permittee shall reimburse the Coastal Commission in full for all Coastal Commission costs and attorneys fees – including (a) those charged by the Office of the Attorney General; and (b) any court costs and attorneys fees that the Coastal Commission may be required by a court to pay – that the Coastal Commission incurs in connection with the defense of any action brought by a party other than the Permittee against the Coastal Commission, its officers, employees, agents, successors, and assigns challenging the approval or issuance of this permit, the interpretation and/or enforcement of permit conditions, or any other matter related to this permit. The Coastal Commission retains complete authority to conduct and direct the defense of any such action against the Coastal Commission.
3. **Project Construction.** The Permittee shall conduct project construction as described and conditioned herein, including the following measures:
  - a. Project-related construction shall occur only in areas as described in the permit application.
  - b. Project-related construction, including site preparation, equipment staging, and installation or removal of equipment or wells, occurring between February 28 and October 1 of any year is subject to the timing and species protection requirements of Special Condition 14.
  - c. Construction equipment and materials, including project-related debris, shall be placed or stored where it cannot enter a storm drain or coastal waters. The Permittee shall ensure that all construction personnel keep all food-related trash items in sealed containers and remove them daily to discourage the concentration of potential predators in snowy plover habitat. All trash and construction debris shall be removed from work areas and properly disposed of at the end of each work day at an approved upland location. All vegetation removed from the construction site shall be taken to a certified landfill to prevent the spread of invasive species.
  - d. To reduce construction noise, noise attenuation devices (e.g., noise blankets, sound baffles, etc.) shall be installed around all stationary construction equipment, including drill rigs.
  - e. All project vehicles shall maintain speeds of 10 miles per hour or less when at the project site. Prior to moving any vehicle, project personnel shall visually inspect for special-status species under and around the vehicle, and shall notify the on-site biologist should any be detected.
  - f. To avoid predation of special-status species, wire excluders or similar anti-perching devices shall be installed and maintained on the top of all aboveground structures (e.g., electrical panel) to deter perching by avian predators.

No changes to these requirements shall occur without a Commission amendment to this permit unless the Executive Director determines that no amendment is legally required.

4. **Protection of Water Quality.** PRIOR TO COMMENCEMENT OF CONSTRUCTION, the Permittee shall submit an erosion control plan for Executive Director review and approval. The Plan shall include a schedule for the completion of erosion- and sediment-control structures, which ensures that all such erosion-control structures are in place by mid-November of the year that construction begins and maintained thereafter. The plan

shall identify standard Best Management Practices to be implemented to address both temporary and permanent measures to control erosion and reduce sedimentation. Site monitoring by the applicant's erosion-control specialist shall be undertaken and a follow-up report shall be prepared that documents the progress and/or completion of required erosion-control measures both during and after construction and decommissioning activities. No synthetic plastic mesh products shall be used in any erosion control materials. All plans shall show that sedimentation and erosion control measures are installed prior to any other ground disturbing work.

**5. Hazardous Material Spill Prevention and Response.**

(a) PRIOR TO COMMENCEMENT OF CONSTRUCTION, the Permittee shall submit for Executive Director review and approval a project-specific Hazardous Materials Spill Prevention and Response Plan that includes:

- an estimate of a reasonable worst case release of fuel or other hazardous materials onto the project site or into adjacent sensitive habitat areas or coastal waters resulting from project operations;
- all identified locations within the project footprint of known or suspected buried hazardous materials, including current or former underground storage tanks, septic systems, refuse disposal areas, and the like;
- specific protocols for monitoring and minimizing the use of fuel and hazardous materials during project operations, including Best Management Practices that will be implemented to ensure minimal impacts to the environment;
- a detailed response and clean-up plan in the event of a spill or accidental discharge or release of fuel or hazardous materials;
- a list of all spill prevention and response equipment that will be maintained on-site;
- the designation of the onsite person who will have responsibility for implementing the plan;
- a telephone contact list of all regulatory and public trustee agencies, including Coastal Commission staff, having authority over the development and/or the project site and its resources to be notified in the event of a spill or material release; and,
- a list of all fuels and hazardous materials that will be used or might be used during the proposed project, together with Material Safety Data Sheets for each of these materials.

The Permittee shall implement the Plan as approved by the Executive Director. The Permittee shall also ensure that all onsite project personnel participate in a training program that describes the above-referenced Plan, identifies the Plan's requirements for implementing Best Management Practices to prevent spills or releases, specifies the location of all clean-up materials and equipment available on site, and specifies the measures that are to be taken should a spill or release occur.

- (b) In the event that a spill or accidental discharge of fuel or hazardous materials occurs during project construction or operations, all non-essential project construction and/or operation shall cease and the Permittee shall implement spill response measures of the approved Plan, including notification of Commission staff. Project construction and/or operation shall not start again until authorized by Commission staff.
- (c) If project construction or operations result in a spill or accidental discharge that causes adverse effects to coastal water quality, ESHA, or other coastal resources, the Permittee shall submit an application to amend this permit, unless the Executive Director determines no amendment is required. The application shall identify proposed measures to prevent future spills or releases and shall include a proposed restoration plan for any coastal resources adversely affected by the spill or release.

The Permittee shall implement the Plan as approved by the Executive Director.

6. **Monitoring and Removal of Temporary Structures, Well Head Burial & Well Closure/Destruction.** The Permittee shall monitor beach erosion at least once per week over the duration of the project to ensure the slant well and monitoring wells remain covered. If the wellheads, linings, casings, or other project components become exposed due to erosion, shifting sand or other factors, the Permittee shall immediately take action to reduce any danger to the public or to marine life and shall submit within one week of detecting the exposed components a complete application for a new or amended permit to remedy the exposure.

Upon project completion, and no later than February 28, 2018, the Permittee shall cut off, cap, and bury the slant well head at least 40 feet below the ground surface, and shall completely remove all other temporary facilities approved by this coastal development permit. To ensure timely removal, the Permittee shall post the bond or other surety device as required by **Special Condition 17** to ensure future removal measures would be appropriately supported and timed to prevent any future resurfacing of the well casing or other project components.

7. **Assumption of Risk, Waiver of Liability and Indemnity.** By acceptance of this permit, the Permittee acknowledges and agrees:
- a. that the site may be subject to hazards from coastal erosion, storm conditions, wave uprush, and tsunami runup;
  - b. to assume the risks to the Permittee and the property that is the subject of this permit of injury and damage from such hazards in connection with this permitted development;
  - c. to unconditionally waive any claim of damage or liability against the Commission, its officers, agents, and employees for injury or damage from such hazards; and
  - d. to indemnify and hold harmless the Commission, its officers, agents, and employees with respect to the Commission's approval of the project against any and all liability, claims, demands, damages, costs (including costs and fees incurred in defense of such claims), expenses, and amounts paid in settlement arising from any injury or damage due to such hazards.

8. **No Future Shoreline Protective Device.** By acceptance of this permit, the Permittee agrees, on behalf of itself and all other successors and assigns, that no shoreline protective device(s) shall ever be constructed to protect the development approved pursuant to this permit, including the wells, supporting infrastructure, and any future improvements, in the event that the development is threatened with damage or destruction from waves, erosion, storm conditions or other natural hazards in the future. By acceptance of this permit, the Permittee hereby waives, on behalf of itself and all successors and assigns, any rights to construct such devices that may exist under Public Resources Code Section 30235.

By acceptance of this permit, the Permittee further agrees, on behalf of itself and all successors and assigns, that the Permittee shall remove the development authorized by this permit, including the wells, supporting infrastructure, and any future improvements, if any government agency with the requisite jurisdiction and authority has ordered, and the Executive Director has concurred, that the development is not to be used due to any of the hazards identified in **Special Condition 7**. In the event that portions of the development fall to the beach before they are removed, the Permittee shall remove all recoverable debris associated with the development from the beach and ocean and lawfully dispose of the material in an approved disposal site. Such removal shall require a coastal development permit.

9. **Geology/Hazards.** The project shall be designed to meet or exceed all applicable requirements of the California Building Code. Project design and construction shall meet or exceed all applicable feasible conclusions and recommendations in the *Geotechnical Investigation for the California American Water Temporary Slant Test Well Project, Marina, Monterey County, California*, dated April 3, 2014 (GeoSoils 2014). Project components shall be sited to avoid areas identified in the coastal erosion memorandum prepared by ESA-PWA (March 2014) as subject to coastal erosion during the duration of the project.
10. **Visual Resources.** PRIOR TO PERMIT ISSUANCE, the Permittee shall submit for Executive Director review and approval a Lighting Plan prepared by a qualified engineer that includes the following:
- Identifies all lighting and associated infrastructure proposed for use during the test well project, such as towers, poles, electrical lines, etc. The Lighting Plan shall identify the locations, heights, dimensions, and intensity of the lighting and associated lighting infrastructure.
  - Evaluates the effects of project lighting and associated infrastructure on wildlife in the project area and describes proposed measures to avoid or minimize any adverse effects. These measures may include shielding project lighting from off-site locations, directing lighting downward, using the minimum amount of lighting necessary to ensure project safety, and other similar measures.
  - Affirms that all lighting structures and fixtures installed for use during the project and visible from public areas, including shoreline areas of Monterey Bay, will be painted or finished in neutral tones that minimize their visibility from those public areas.
- The Permittee shall implement the Lighting Plan as approved by the Executive Director.

**11. Protection of Nearby Wells.** PRIOR TO STARTING PROJECT-RELATED PUMP TESTS, the Permittee shall install monitoring devices a minimum of four wells on the CEMEX site, within 2000 feet of the test well, and one or more offsite wells to record water and salinity levels within the wells and shall provide to the Executive Director the baseline water and Total Dissolved Solids (“TDS”) levels in those wells prior to commencement of pumping from the test well. The Hydrogeology Working Group shall establish the baseline water and TDS levels for the monitoring wells. During the project pump tests, the Permittee shall, at least once per day, monitor water and TDS levels within those wells in person and/or with electronic logging devices. The Permittee shall post data collected from all monitoring wells on a publicly-available internet site at least once per week and shall provide all monitoring data to the Executive Director upon request. If water levels drop more than one-and-one-half foot, or if TDS levels increase more than two thousand parts per million from pre-pump test conditions, the Permittee shall immediately stop the pump test and inform the Executive Director. The Hydrogeology Working Group shall examine the data from Monitoring Well 4 if the test well is shut down due to either of these causes. The Hydrogeology Working Group shall determine whether the drop in water level or increase in TDS is from a cause or causes other than the test well, and it will submit its determination to the Executive Director. If the Executive Director agrees with the Hydrogeology Working Group that the cause of the drop in water level or increase in TDS was a source or sources other than the test well, then the Executive Director may allow testing to resume. If, however, the Executive Director determines that the drop in water level was caused at least in part by the test well, then the Permittee shall not re-start the pump test until receiving an amendment to this permit.

**12. Protection of Biological Resources – Biological Monitor(s).** PRIOR TO COMMENCEMENT OF CONSTRUCTION, the Permittee shall retain one or more qualified biologists approved by the Executive Director to ensure compliance with all relevant mitigation measures and Special Conditions. The approved biologist(s) shall conduct the required preconstruction surveys, implement ongoing monitoring and inspections, keep required records, and notify Commission staff and staff of other agencies as necessary regarding project conformity to these measures and Special Conditions.

The approved biologist(s) shall be present during daylight hours for all project construction and decommissioning activities and on a periodic basis when the biologist determines operational activities may affect areas previously undisturbed by project activities. The biologist(s) shall monitor construction equipment access and shall have authority to halt work activities, if the potential for impacts to special-status species or habitat is identified, until the issue can be resolved. The qualified biologist(s) shall immediately report any observations of significant adverse effects on special-status species to the Executive Director.

**13. Protection of Biological Resources – Training of On-site Personnel.** Prior to starting construction and decommissioning activities, the approved biologist(s) shall conduct an environmental awareness training for all construction personnel that are on-site during activities. The training shall include, at a minimum, the following:

- o Descriptions of the special-status species with potential to occur in the project area;
- o Habitat requirements and life histories of those species as they relate to the project;
- o Avoidance, minimization, and mitigation measures that will be implemented to avoid impacts to the species and their habitats;
- o Identification of the regulatory agencies and regulations that manage their protection; and,
- o Consequences that may result from unauthorized impacts or take of special-status species and their habitats.

The training shall include distribution of an environmental training brochure, and collection of signatures from all attendees acknowledging their participation in the training. Subsequent trainings shall be provided by the qualified biologist as needed for additional construction or operations workers through the life of the project.

**14. Protection of Biological Resources – Pre-Construction and Pre-Disturbance**

**Surveys.** The approved biologist(s) shall conduct pre-construction surveys for special-status species as described below:

- a. No more than 14 days before the start of onsite activities or any activities planned for areas previously undisturbed by project activities, the biologist(s) shall conduct a field evaluation of the nature and extent of Western snowy plover activity in the project area and shall identify measures needed to ensure construction activities minimize potential effects to the species. Those measures shall, at a minimum, meet the standards and requirements of the mitigation measures included in Exhibit 5 as well as those included in subsection (d) of this special condition. Those measures shall also be submitted for Executive Director review and approval at least five days before the start of construction activities. The Permittee shall implement the measures as approved by the Executive Director.
- b. Prior to construction or activities planned for areas previously undisturbed by project activities, the approved biologist(s) shall coordinate with construction crews to identify and mark the boundaries of project disturbance, locations of special-status species and suitable habitat, avoidance areas, and access routes. GPS data collected during preconstruction surveys completed in 2012, 2013, and 2014 shall be used to flag the known locations of Monterey spineflower and buckwheat for avoidance during construction. Avoidance buffers shall be established and flagged or fenced as necessary to avoid surface disturbance or vegetation removal. The monitoring biologist shall fit the placement of flags and fencing to minimize impacts to any sensitive resources. At a minimum, the biologist shall direct the placement of highly visible exclusion fencing (snow fence or similar) at the following locations:
  - around sensitive snowy plover habitat areas that do not require regular access;
  - areas along the northern edge of the CEMEX accessway in the vicinity of the settling ponds; and
  - between the work area and any identified occurrence of Monterey spineflower or buckwheat within 10 feet of the existing accessway or work area.

- All delineated areas of temporary fencing shall be shown on grading plans and shall remain in place and functional throughout the duration of construction and decommissioning activities.
- c. The approved biologist(s) shall conduct surveys for Monterey spineflower and buckwheat (host plant for Smith's blue butterfly) within all project disturbance areas and within 20 feet of project boundaries during the blooming period for the spineflower (April-June) to identify and record the most current known locations of these species in the project vicinity. Surveys shall be conducted by a qualified botanist, and shall include collection of Global Positioning System (GPS) data points for use during flagging of sensitive plant species locations and avoidance buffers prior to construction.
  - d. Starting no later than February 1 of each year of project construction, operation, and decommissioning, the approved biologist(s) shall conduct breeding and nesting surveys of sensitive avian species within 500 feet of the project footprint. The approved biologist(s) shall continue those surveys at least once per week during periods of project construction, well re-packing, and decommissioning that occur between February 1 and October 1 each year.

In the event that any sensitive species are present in the project area but do not exhibit reproductive behavior and are not within the estimated breeding/reproductive cycle of the subject species, the qualified biologist shall either: (1) initiate a salvage and relocation program prior to any excavation/maintenance activities to move sensitive species by hand to safe locations elsewhere along the project reach or (2) as appropriate, implement a resource avoidance program with sufficient buffer areas to ensure adverse impacts to such resources are avoided. The Permittee shall also immediately notify the Executive Director of the presence of such species and which of the above actions are being taken. If the presence of any such sensitive species requires review by the United States Fish and Wildlife Service and/or the California Department of Fish and Game, then no development activities shall be allowed or continue until any such review and authorizations to proceed are received and also authorizes construction to proceed.

If an active nest of a federally or state-listed threatened or endangered species, species of special concern, or any species of raptor or heron is found, the Permittee shall notify the appropriate State and Federal wildlife agencies within 24 hours, and shall develop an appropriate action specific to each incident. The Permittee shall notify the California Coastal Commission in writing by facsimile or e-mail within 24 hours and consult with the Commission regarding determinations of State and Federal agencies.

If the biologist(s) identify an active nest of any federally- or state-listed threatened or endangered species, species of special concern, or any species of raptor or heron within 300 feet of construction activities (500 feet for raptors), the biologist(s) shall monitor bird behavior and construction noise levels. The biologist(s) shall be present at all relevant construction meetings and during all significant construction activities (those with potential noise impacts) to ensure that nesting birds are not disturbed by

construction-related noise. The biologist(s) shall monitor birds and noise every day at the beginning of the project and during all periods of significant construction activities. Construction activities may occur only if construction noise levels are at or below a peak of 65 dB at the nest(s) site. If construction noise exceeds a peak level of 65 dB at the nest(s) site, sound mitigation measures such as sound shields, blankets around smaller equipment, mixing concrete batches off-site, use of mufflers, and minimizing the use of back-up alarms shall be employed. If these sound mitigation measures do not reduce noise levels, construction within 300 ft. (500 ft. for raptors) of the nesting areas shall cease and shall not re-start until either new sound mitigation can be employed or nesting is complete.

If active plover nests are located within 300 feet of the project or access routes, avoidance buffers shall be established to minimize potential disturbance of nesting activity, and the biologist shall coordinate with and accompany the Permittee's operational staff as necessary during the nesting season to guide access and activities to avoid impacts to nesting plovers. The biologist shall contact the USFWS and CDFW immediately if a nest is found in areas near the wellhead that could be affected by project operations. Operations shall be immediately suspended until the Permittee submits to the Executive Director written authorization to proceed from the USFWS.

If, after starting project activities, the Permittee must stop construction due to the presence of sensitive species or due to the lack of necessary approvals or permits (e.g., a lease from the State Lands Commission), the Permittee shall remove and properly store all project-related equipment and vehicles away from the project site in a manner that does not adversely affect sensitive species.

- 15. Project Area Restoration.** PRIOR TO COMMENCEMENT OF CONSTRUCTION, the Permittee shall prepare a Restoration Plan for review and approval by the Executive Director that is consistent with the City of Marina restoration requirements as codified in Municipal Code Section 17.41.100. The Plan shall include, at a minimum:
- a description of the habitat characteristics and extent of the area to be restored, which shall include, at a minimum, all areas of temporary disturbance in the project footprint other than those areas actively in use by CEMEX for mining purposes;
  - performance standards and success criteria to be used;
  - a minimum 3:1 ratio of native plants to be replaced within the affected area;
  - an invasive species control program to be implemented for the duration of the project;
  - the timing of proposed restoration activities;
  - proposed methods to monitor restoration performance and success for at least five years following initiation of the Plan; and
  - identification of all relevant conditions, requirements, and approvals by regulatory agencies needed to implement the Plan.

The Permittee shall implement the Plan: (1) during and immediately following construction and prior to operation of the test well, and (2) during and immediately following decommissioning activities.

Success criteria will include plant cover and species composition/diversity, which shall meet or exceed adjacent undisturbed dune habitat on the CEMEX parcel as determined by the biological monitor. Success criteria shall, at a minimum, be consistent with the requirements of the existing Lapis Revegetation Plan prepared for the RMC Lonestar Lapis Sand Plant (25 percent average vegetative cover and species diversity of all species listed in Group A of the Plan present and providing at least 1 percent cover).

16. **Invasive Species Control.** The Permittee shall remove and properly dispose of at a certified landfill all invasive or exotic plants disturbed or removed during project activities. The Permittee shall use existing on-site soils for fill material to the extent feasible. If the use of imported fill material is necessary, the imported material must be obtained from a source that is known to be free of invasive plant species, or the material must consist of purchased clean material.
17. **Posting of Bond.** To ensure timely removal, PRIOR TO COMMENCEMENT OF CONSTRUCTION, the Permittee shall provide to the Commission a surety bond or similar security device acceptable to the Executive Director for \$1,000,000 (one million dollars), and naming the Coastal Commission as the assured, to guarantee the Permittee's compliance with Special Conditions 6 and 15. The surety bond or other security device shall be maintained in full force and effect at all times until Special Conditions 6 and 15 have been met.

## **APPENDIX A-2**

**Coastal Development Permit Amendment # A-3-MRA-14-0050-A1**

**13-Oct-15**



**CALIFORNIA COASTAL COMMISSION**

45 FREMONT, SUITE 2000  
SAN FRANCISCO, CA 94105-2219  
VOICE AND TDD (415) 904-5200  
FAX (415) 904-5400



Page 1 of 3  
October 13, 2015  
Permit No. A-3-MRA-14-0050-A1

**COASTAL DEVELOPMENT PERMIT AMENDMENT**

On October 6, 2015, by a vote of 12-0, the California Coastal Commission granted to California American Water Company Coastal Development Permit Amendment No. A-3-MRA-14-0050-A1, subject to the attached standard and special conditions, for development consisting of:

Construction, operation, and decommissioning of a test slant well and associated monitoring wells, equipment, and infrastructure at the CEMEX sand mining facility.

The development is located in the coastal zone in the City of Marina, County of Monterey, and in the Commission's retained jurisdiction.

Issued on behalf of the Coastal Commission on October 13, 2015.

CHARLES LESTER  
Executive Director

A handwritten signature in black ink, appearing to read "Charles Lester".

for By: ALISON DETTMER  
Deputy Director, Energy, Ocean Resources, and Federal Consistency Division

Acknowledgment:

The undersigned permittee(s) acknowledges receipt of this permit and agrees to abide by all terms and conditions thereof.

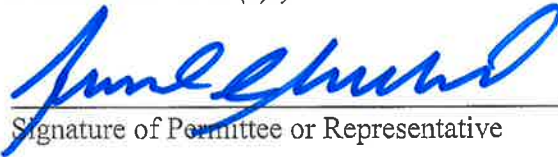
The undersigned permittee(s) acknowledges that Government Code Section 818.4, which states in pertinent part, that: "A public entity is not liable for injury caused by the issuance...of any permit..." applies to the issuance of this permit.

IMPORTANT: THE PERMIT IS NOT VALID UNLESS AND UNTIL A COPY OF THE PERMIT WITH THE SIGNED ACKNOWLEDGMENT HAS BEEN RETURNED TO THE COMMISSION OFFICE. (14 Cal. Admin. Code Section 13158(a).)

Date

10/13/15

Signature of Permittee or Representative



### **SPECIAL CONDITIONS**

This **Special Condition** modifies **Special Condition 11** as initially imposed by the Commission in Coastal Development Permit A-3-MRA-14-0050. Standard Conditions 1-5 and Special Conditions 1-10 and 12-17 of that permit shall remain in full force and effect. **Special Condition 11** now requires:

**“Protection of Nearby Wells.** PRIOR TO STARTING PROJECT-RELATED PUMPING TESTS, the Permittee shall install monitoring devices at a minimum of four wells on the CEMEX site, within 2000 feet of the test well, and one or more offsite wells to record groundwater and salinity levels within the wells and shall provide to the Executive Director the baseline groundwater and Total Dissolved Solids (“TDS”) levels in those wells prior to commencement of pumping from the test well.

The Permittee, in coordination with the Hydrogeology Working Group, shall identify groundwater elevation trends and TDS level trends in the groundwater basin resulting from regional influences such as groundwater withdrawals, rainfall events, increases or decreases in streamflow contributions, and other influences. During the project pumping tests, the Permittee shall, at least once per day, monitor groundwater and TDS levels within the monitoring wells in person and/or with electronic logging devices. The Permittee shall post data collected from all monitoring wells on a publicly-available internet site at least once per week and shall provide all monitoring data to the Executive Director upon request.

The Hydrogeology Working Group shall review data from the monitoring wells and prepare a monthly report that shall be submitted to the Executive Director that documents the groundwater elevation trends and TDS level trends resulting from regional influences. If during the pumping tests, data collected from Monitoring Well-4S (“MW4-S”) or Monitoring Well-4M (“MW-4M”) during any weekly monitoring period show either a decrease in groundwater levels that exceeds an identified decrease in regional groundwater level trends by 1.5 feet or more or show an increase in TDS levels that exceeds an identified increase in regional TDS level trends by two thousand parts per million or more, the Permittee shall immediately stop the pumping test and inform the Executive Director. The Hydrogeology Working Group shall examine the data from Monitoring Well 4 if the pumping test is stopped due to either of these causes.

If, based on the above review of monitoring data, the Executive Director or the Hydrogeology Working Group determines that the pumping test caused, at MW-4S or MW4-M, either a decrease in groundwater level of 1.5 feet or more or caused an increase in TDS levels of two thousand parts per million or more in excess of identified regional trends, then the Permittee shall not re-start the pumping test until receiving an amendment to this permit; otherwise the Executive Director will allow the pumping test to resume.”

**APPENDIX B**  
**Groundwater Level and Salinity Instrument Data**  
**4-October-17 - 11-October-17**



|                                          |  |                                                                                                                                                        |  |  |  |  |  |  |  |  |  |
|------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| Report Date:                             |  | 10/13/2017 8:35                                                                                                                                        |  |  |  |  |  |  |  |  |  |
| Report User Name:                        |  | WMassoll                                                                                                                                               |  |  |  |  |  |  |  |  |  |
| Report Computer Name:                    |  | WKST52                                                                                                                                                 |  |  |  |  |  |  |  |  |  |
| Application:                             |  | WinSitu.exe                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Application Version:                     |  | 5.6.27.1                                                                                                                                               |  |  |  |  |  |  |  |  |  |
| Log File Properties                      |  |                                                                                                                                                        |  |  |  |  |  |  |  |  |  |
| File Name                                |  | MPWSP MW-1D LT Test_2017-10-12_08-55-49-996-BaroMerge.wsl                                                                                              |  |  |  |  |  |  |  |  |  |
| Create Date                              |  | 10/13/2017 8:31                                                                                                                                        |  |  |  |  |  |  |  |  |  |
| Device Properties                        |  |                                                                                                                                                        |  |  |  |  |  |  |  |  |  |
| Device                                   |  | Aqua TROLL 200                                                                                                                                         |  |  |  |  |  |  |  |  |  |
| Site                                     |  | MPWSP MW-1D                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Device Name                              |  |                                                                                                                                                        |  |  |  |  |  |  |  |  |  |
| Serial Number                            |  | 482723                                                                                                                                                 |  |  |  |  |  |  |  |  |  |
| Firmware Version                         |  | 2.01                                                                                                                                                   |  |  |  |  |  |  |  |  |  |
| Hardware Version                         |  | 4                                                                                                                                                      |  |  |  |  |  |  |  |  |  |
| Device Address                           |  | 1                                                                                                                                                      |  |  |  |  |  |  |  |  |  |
| Device Comm Cfg                          |  | 19200                                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| Used Memory                              |  | 0                                                                                                                                                      |  |  |  |  |  |  |  |  |  |
| Used Battery                             |  | 4                                                                                                                                                      |  |  |  |  |  |  |  |  |  |
| Used Battery                             |  | 8 Even                                                                                                                                                 |  |  |  |  |  |  |  |  |  |
| Used Battery                             |  | 1 (Modbus-RTU)                                                                                                                                         |  |  |  |  |  |  |  |  |  |
| Log Configuration                        |  |                                                                                                                                                        |  |  |  |  |  |  |  |  |  |
| Log Name                                 |  | MPWSP MW-1D LT Test                                                                                                                                    |  |  |  |  |  |  |  |  |  |
| Created By                               |  | WMassoll                                                                                                                                               |  |  |  |  |  |  |  |  |  |
| Computer Name                            |  | PROBOOK10                                                                                                                                              |  |  |  |  |  |  |  |  |  |
| Application                              |  | WinSitu.exe                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Application Version                      |  | 5.6.27.1                                                                                                                                               |  |  |  |  |  |  |  |  |  |
| Create Date                              |  | 5/19/2017 11:33:58 AM Pacific Daylight Time                                                                                                            |  |  |  |  |  |  |  |  |  |
| Log Setup Time Zone                      |  | Pacific Daylight Time                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| Notes Size(bytes)                        |  | 4096                                                                                                                                                   |  |  |  |  |  |  |  |  |  |
| Overwrite when full                      |  | Enabled                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| Scheduled Start Time                     |  | 5/19/2017 12:00:00 PM Pacific Daylight Time                                                                                                            |  |  |  |  |  |  |  |  |  |
| Scheduled Stop Time                      |  | No Stop Time                                                                                                                                           |  |  |  |  |  |  |  |  |  |
| Type                                     |  | Linear                                                                                                                                                 |  |  |  |  |  |  |  |  |  |
| Interval                                 |  | Days: 0 hrs: 00 mins: 15 secs: 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| Level Reference Settings At Log Creation |  |                                                                                                                                                        |  |  |  |  |  |  |  |  |  |
| Level Measurement Mode                   |  | Depth                                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| Specific Gravity                         |  | 1.024                                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| Other Log Settings                       |  |                                                                                                                                                        |  |  |  |  |  |  |  |  |  |
| Depth of Probe:                          |  | 304.345 (ft)                                                                                                                                           |  |  |  |  |  |  |  |  |  |
| Head Pressure:                           |  | 135.108 (PSI)                                                                                                                                          |  |  |  |  |  |  |  |  |  |
| Temperature:                             |  | 19.2228 (C)                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Specific Conductivity Model:             |  | Standard Methods                                                                                                                                       |  |  |  |  |  |  |  |  |  |
| Reference Temperature:                   |  | 25                                                                                                                                                     |  |  |  |  |  |  |  |  |  |
| Temperature Coefficient:                 |  | 0.0191                                                                                                                                                 |  |  |  |  |  |  |  |  |  |
| TDS Factor:                              |  | 0.68                                                                                                                                                   |  |  |  |  |  |  |  |  |  |
| Log Notes:                               |  |                                                                                                                                                        |  |  |  |  |  |  |  |  |  |
| Date and Time                            |  | Note                                                                                                                                                   |  |  |  |  |  |  |  |  |  |
| 5/19/2017 11:33                          |  | Used Battery: 4% Used Memory: 3% User Name: WMassoll                                                                                                   |  |  |  |  |  |  |  |  |  |
| 5/25/2017 8:24                           |  | Log Download - Used Battery: 5% Used Memory: 3% User Name: AVanHaitsma Interval - Start Time: 5/17/2017 10:00:00 PM Stop Time: 5/25/2017 10:15:00 AM   |  |  |  |  |  |  |  |  |  |
| 6/1/2017 12:01                           |  | Log Download - Used Battery: 5% Used Memory: 3% User Name: WMassoll Interval - Start Time: 5/19/2017 12:00:00 PM Stop Time: 6/1/2017 1:00:00 PM        |  |  |  |  |  |  |  |  |  |
| 6/8/2017 16:37                           |  | Log Download - Used Battery: 5% Used Memory: 4% User Name: WMassoll Interval - Start Time: 5/31/2017 10:00:00 PM Stop Time: 6/8/2017 6:00:00 PM        |  |  |  |  |  |  |  |  |  |
| 6/15/2017 16:34                          |  | Log Download - Used Battery: 6% Used Memory: 6% User Name: AVanHaitsma Interval - Start Time: 6/7/2017 10:00:00 PM Stop Time: 6/15/2017 5:30:00 PM     |  |  |  |  |  |  |  |  |  |
| 6/22/2017 15:51                          |  | Log Download - Used Battery: 6% Used Memory: 6% User Name: AVanHaitsma Interval - Start Time: 6/14/2017 10:00:00 PM Stop Time: 6/22/2017 4:45:00 PM    |  |  |  |  |  |  |  |  |  |
| 6/29/2017 11:36                          |  | Log Download - Used Battery: 7% Used Memory: 7% User Name: WMassoll Interval - Start Time: 6/21/2017 10:00:00 PM Stop Time: 6/29/2017 12:30:00 PM      |  |  |  |  |  |  |  |  |  |
| 7/6/2017 12:10                           |  | Log Download - Used Battery: 7% Used Memory: 7% User Name: AVanHaitsma Interval - Start Time: 5/31/2017 10:00:00 PM Stop Time: 7/6/2017 1:00:00 PM     |  |  |  |  |  |  |  |  |  |
| 7/13/2017 15:54                          |  | Log Download - Used Battery: 7% Used Memory: 9% User Name: WMassoll Interval - Start Time: 7/5/2017 10:00:00 PM Stop Time: 7/13/2017 4:45:00 PM        |  |  |  |  |  |  |  |  |  |
| 7/20/2017 13:24                          |  | Log Download - Used Battery: 8% Used Memory: 9% User Name: WMassoll Interval - Start Time: 7/12/2017 10:00:00 PM Stop Time: 7/20/2017 2:15:00 PM       |  |  |  |  |  |  |  |  |  |
| 7/27/2017 7:39                           |  | Log Download - Used Battery: 8% Used Memory: 10% User Name: AVanHaitsma Interval - Start Time: 7/19/2017 10:00:00 PM Stop Time: 7/27/2017 8:30:00 AM   |  |  |  |  |  |  |  |  |  |
| 8/3/2017 7:57                            |  | Log Download - Used Battery: 9% Used Memory: 10% User Name: AVanHaitsma Interval - Start Time: 6/30/2017 10:00:00 PM Stop Time: 8/3/2017 8:45:00 AM    |  |  |  |  |  |  |  |  |  |
| 8/10/2017 14:08                          |  | Log Download - Used Battery: 9% Used Memory: 12% User Name: WMassoll Interval - Start Time: 8/2/2017 10:00:00 PM Stop Time: 8/10/2017 3:00:00 PM       |  |  |  |  |  |  |  |  |  |
| 8/17/2017 8:24                           |  | Log Download - Used Battery: 9% Used Memory: 12% User Name: AVanHaitsma Interval - Start Time: 8/9/2017 10:00:00 PM Stop Time: 8/17/2017 9:15:00 AM    |  |  |  |  |  |  |  |  |  |
| 8/24/2017 8:30                           |  | Log Download - Used Battery: 10% Used Memory: 14% User Name: AVanHaitsma Interval - Start Time: 8/16/2017 10:00:00 PM Stop Time: 8/24/2017 9:15:00 AM  |  |  |  |  |  |  |  |  |  |
| 9/1/2017 15:33                           |  | Log Download - Used Battery: 10% Used Memory: 14% User Name: WMassoll Interval - Start Time: 7/31/2017 10:00:00 PM Stop Time: 9/1/2017 3:30:00 PM      |  |  |  |  |  |  |  |  |  |
| 9/7/2017 15:00                           |  | Log Download - Used Battery: 10% Used Memory: 15% User Name: WMassoll Interval - Start Time: 8/31/2017 10:00:00 PM Stop Time: 9/7/2017 3:20:00 PM      |  |  |  |  |  |  |  |  |  |
| 9/14/2017 9:00                           |  | Log Download - Used Battery: 11% Used Memory: 15% User Name: AVanHaitsma Interval - Start Time: 9/6/2017 10:00:00 PM Stop Time: 9/14/2017 10:00:00 AM  |  |  |  |  |  |  |  |  |  |
| 9/20/2017 16:42                          |  | Log Download - Used Battery: 11% Used Memory: 17% User Name: AVanHaitsma Interval - Start Time: 9/13/2017 10:00:00 PM Stop Time: 9/20/2017 7:15:00 PM  |  |  |  |  |  |  |  |  |  |
| 9/21/2017 8:45                           |  | Log Download - Used Battery: 11% Used Memory: 17% User Name: AVanHaitsma Interval - Start Time: 9/13/2017 10:00:00 PM Stop Time: 9/21/2017 9:45:00 AM  |  |  |  |  |  |  |  |  |  |
| 9/28/2017 14:13                          |  | Log Download - Used Battery: 11% Used Memory: 17% User Name: WMassoll Interval - Start Time: 9/20/2017 10:00:00 PM Stop Time: 9/28/2017 3:00:00 PM     |  |  |  |  |  |  |  |  |  |
| 10/5/2017 14:58                          |  | Log Download - Used Battery: 12% Used Memory: 18% User Name: WMassoll Interval - Start Time: 8/31/2017 10:00:00 PM Stop Time: 10/5/2017 5:00:00 PM     |  |  |  |  |  |  |  |  |  |
| 10/5/2017 15:01                          |  | Log Download - Used Battery: 12% Used Memory: 18% User Name: WMassoll Interval - Start Time: 10/5/2017 2:45:00 PM                                      |  |  |  |  |  |  |  |  |  |
| 10/12/2017 8:54                          |  | Log Download - Used Battery: 12% Used Memory: 18% User Name: AVanHaitsma Interval - Start Time: 10/4/2017 10:00:00 PM Stop Time: 10/12/2017 9:45:00 AM |  |  |  |  |  |  |  |  |  |
| 10/13/2017 8:31                          |  | User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll_2017-10-12_17-14-36-585.wsl""                                                |  |  |  |  |  |  |  |  |  |
| Log Data:                                |  |                                                                                                                                                        |  |  |  |  |  |  |  |  |  |
| Record Count                             |  | 716                                                                                                                                                    |  |  |  |  |  |  |  |  |  |
| Sensors                                  |  | 2                                                                                                                                                      |  |  |  |  |  |  |  |  |  |
| 1                                        |  | 482723 PCTD 300 PSIA (200.7m/658.7ft)                                                                                                                  |  |  |  |  |  |  |  |  |  |
| 2                                        |  | 0 Baro-Adjustment Calc                                                                                                                                 |  |  |  |  |  |  |  |  |  |
| Time Zone: Pacific Daylight Time         |  |                                                                                                                                                        |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  | Sensor: PCTD(A) 658.7ft                                                                                                                                |  |  |  |  |  |  |  |  |  |
| SNR: 482723                              |  | SNR: 482723                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| Sensor: PCTD(A) 658.7ft                  |  |                                                                                                                                                        |  |  |  |  |  |  |  |  |  |

|                 |        |         |        |         |           |           |        |        |        |       |        |
|-----------------|--------|---------|--------|---------|-----------|-----------|--------|--------|--------|-------|--------|
| 10/6/2017 3:30  | 106200 | 120.553 | 19.076 | 271.558 | 40189.41  | 45310.063 | 29.596 | 30.811 | 24.886 | 1.021 | 14.73  |
| 10/6/2017 3:45  | 107100 | 120.53  | 19.076 | 271.505 | 40200.918 | 45330.059 | 29.61  | 30.824 | 24.875 | 1.021 | 14.726 |
| 10/6/2017 4:00  | 108000 | 120.507 | 19.075 | 271.453 | 40215.93  | 45347.66  | 29.623 | 30.836 | 24.866 | 1.021 | 14.722 |
| 10/6/2017 4:15  | 108900 | 120.463 | 19.075 | 271.355 | 40194.742 | 45324.195 | 29.606 | 30.82  | 24.879 | 1.021 | 14.726 |
| 10/6/2017 4:30  | 109800 | 120.443 | 19.074 | 271.311 | 40190.344 | 45319.57  | 29.602 | 30.817 | 24.882 | 1.021 | 14.727 |
| 10/6/2017 4:45  | 110700 | 120.43  | 19.074 | 271.28  | 40166.227 | 45292.555 | 29.593 | 30.799 | 24.897 | 1.021 | 14.728 |
| 10/6/2017 5:00  | 111600 | 120.43  | 19.074 | 271.261 | 40199.016 | 45329.527 | 29.61  | 30.824 | 24.876 | 1.021 | 14.726 |
| 10/6/2017 5:15  | 112500 | 120.399 | 19.074 | 271.21  | 40205.367 | 45336.512 | 29.615 | 30.829 | 24.872 | 1.021 | 14.726 |
| 10/6/2017 5:30  | 113400 | 120.399 | 19.075 | 271.211 | 40159.02  | 45283.66  | 29.576 | 30.793 | 24.901 | 1.021 | 14.731 |
| 10/6/2017 5:45  | 114300 | 120.409 | 19.076 | 271.233 | 40192.254 | 45320.621 | 29.603 | 30.818 | 24.88  | 1.021 | 14.724 |
| 10/6/2017 6:00  | 115200 | 120.426 | 19.076 | 271.272 | 40160.34  | 45284.637 | 29.577 | 30.794 | 24.9   | 1.021 | 14.724 |
| 10/6/2017 6:15  | 116100 | 120.457 | 19.077 | 271.342 | 40180.977 | 45306.625 | 29.593 | 30.809 | 24.887 | 1.021 | 14.726 |
| 10/6/2017 6:30  | 117000 | 120.463 | 19.077 | 271.355 | 40162.313 | 45285.074 | 29.577 | 30.794 | 24.899 | 1.021 | 14.732 |
| 10/6/2017 6:45  | 117900 | 120.486 | 19.079 | 271.408 | 40164.465 | 45286.219 | 29.578 | 30.795 | 24.898 | 1.021 | 14.733 |
| 10/6/2017 7:00  | 118800 | 120.52  | 19.08  | 271.482 | 40198.418 | 45323.402 | 29.605 | 30.82  | 24.877 | 1.021 | 14.731 |
| 10/6/2017 7:15  | 119700 | 120.573 | 19.082 | 271.603 | 40192.012 | 45314.477 | 29.599 | 30.814 | 24.881 | 1.021 | 14.732 |
| 10/6/2017 7:30  | 120600 | 120.601 | 19.082 | 271.665 | 40201.707 | 45324.566 | 29.606 | 30.821 | 24.875 | 1.021 | 14.736 |
| 10/6/2017 7:45  | 121500 | 120.64  | 19.083 | 271.753 | 40173.773 | 45292.133 | 29.583 | 30.799 | 24.892 | 1.021 | 14.732 |
| 10/6/2017 8:00  | 122400 | 120.688 | 19.084 | 271.861 | 40219.102 | 45342.805 | 29.62  | 30.833 | 24.864 | 1.021 | 14.736 |
| 10/6/2017 8:15  | 123300 | 120.732 | 19.085 | 271.961 | 40164.98  | 45280.941 | 29.575 | 30.791 | 24.897 | 1.021 | 14.744 |
| 10/6/2017 8:30  | 124200 | 120.803 | 19.086 | 272.122 | 40172.641 | 45288.641 | 29.58  | 30.796 | 24.893 | 1.021 | 14.736 |
| 10/6/2017 8:45  | 125100 | 120.84  | 19.086 | 272.205 | 40205.422 | 45325.332 | 29.607 | 30.821 | 24.872 | 1.021 | 14.741 |
| 10/6/2017 9:00  | 126000 | 120.877 | 19.087 | 272.287 | 40175.703 | 45290.395 | 29.582 | 30.797 | 24.891 | 1.021 | 14.753 |
| 10/6/2017 9:15  | 126900 | 120.948 | 19.088 | 272.447 | 40197.27  | 45314.527 | 29.599 | 30.814 | 24.877 | 1.021 | 14.743 |
| 10/6/2017 9:30  | 127800 | 120.975 | 19.088 | 272.507 | 40183.102 | 45298.141 | 29.587 | 30.803 | 24.886 | 1.021 | 14.751 |
| 10/6/2017 9:45  | 128700 | 121.01  | 19.088 | 272.586 | 40202.461 | 45319.875 | 29.603 | 30.818 | 24.874 | 1.021 | 14.744 |
| 10/6/2017 10:00 | 129600 | 121.054 | 19.088 | 272.687 | 40197.965 | 45314.977 | 29.6   | 30.814 | 24.877 | 1.021 | 14.752 |
| 10/6/2017 10:15 | 130500 | 121.079 | 19.088 | 272.743 | 40192.273 | 45308.563 | 29.595 | 30.81  | 24.88  | 1.021 | 14.747 |
| 10/6/2017 10:30 | 131400 | 121.119 | 19.088 | 272.833 | 40176.988 | 45291.414 | 29.582 | 30.798 | 24.89  | 1.021 | 14.75  |
| 10/6/2017 10:45 | 132300 | 121.137 | 19.087 | 272.873 | 40210.801 | 45329.879 | 29.61  | 30.824 | 24.869 | 1.021 | 14.747 |
| 10/6/2017 11:00 | 133200 | 121.146 | 19.087 | 272.938 | 40216.551 | 45336.363 | 29.615 | 30.829 | 24.865 | 1.021 | 14.739 |
| 10/6/2017 11:15 | 134100 | 121.173 | 19.087 | 272.955 | 40199.199 | 45317.137 | 29.601 | 30.816 | 24.876 | 1.021 | 14.739 |
| 10/6/2017 11:30 | 135000 | 121.181 | 19.086 | 272.972 | 40201.309 | 45320.359 | 29.603 | 30.818 | 24.875 | 1.021 | 14.74  |
| 10/6/2017 11:45 | 135900 | 121.18  | 19.086 | 272.969 | 40201.352 | 45320.664 | 29.604 | 30.818 | 24.875 | 1.021 | 14.737 |
| 10/6/2017 12:00 | 136800 | 121.161 | 19.085 | 272.926 | 40203.926 | 45324.34  | 29.606 | 30.821 | 24.873 | 1.021 | 14.737 |
| 10/6/2017 12:15 | 137700 | 121.151 | 19.085 | 272.905 | 40188.809 | 45307.973 | 29.594 | 30.809 | 24.883 | 1.021 | 14.73  |
| 10/6/2017 12:30 | 138600 | 121.121 | 19.084 | 272.826 | 40202.137 | 45323.926 | 29.606 | 30.82  | 24.874 | 1.021 | 14.739 |
| 10/6/2017 12:45 | 139500 | 121.109 | 19.083 | 272.809 | 40219.516 | 45343.785 | 29.62  | 30.834 | 24.864 | 1.021 | 14.735 |
| 10/6/2017 13:00 | 140400 | 121.065 | 19.083 | 272.711 | 40177.813 | 45297.277 | 29.587 | 30.802 | 24.889 | 1.021 | 14.734 |
| 10/6/2017 13:15 | 141300 | 121.042 | 19.082 | 272.659 | 40207.563 | 45331.586 | 29.611 | 30.825 | 24.871 | 1.021 | 14.722 |
| 10/6/2017 13:30 | 142200 | 120.982 | 19.081 | 272.523 | 40204.191 | 45329.145 | 29.61  | 30.824 | 24.873 | 1.021 | 14.725 |
| 10/6/2017 13:45 | 143100 | 120.951 | 19.08  | 272.454 | 40223.398 | 45351.141 | 29.626 | 30.839 | 24.861 | 1.021 | 14.726 |
| 10/6/2017 14:00 | 144000 | 120.923 | 19.079 | 272.33  | 40206.144 | 45344.059 | 29.62  | 30.834 | 24.865 | 1.021 | 14.717 |
| 10/6/2017 14:15 | 144900 | 120.885 | 19.078 | 272.216 | 40227.016 | 45357.004 | 29.63  | 30.843 | 24.859 | 1.021 | 14.715 |
| 10/6/2017 14:30 | 145800 | 120.804 | 19.078 | 272.124 | 40198.035 | 45324.504 | 29.606 | 30.821 | 24.877 | 1.021 | 14.718 |
| 10/6/2017 14:45 | 146700 | 120.759 | 19.077 | 272.021 | 40186.301 | 45312.711 | 29.597 | 30.813 | 24.884 | 1.021 | 14.714 |
| 10/6/2017 15:00 | 147600 | 120.702 | 19.076 | 271.893 | 40232.609 | 45365.695 | 29.636 | 30.849 | 24.855 | 1.021 | 14.715 |
| 10/6/2017 15:15 | 148500 | 120.655 | 19.075 | 271.788 | 40193.813 | 45322.891 | 29.605 | 30.82  | 24.879 | 1.021 | 14.71  |
| 10/6/2017 15:30 | 149400 | 120.615 | 19.074 | 271.687 | 40190.305 | 45319.781 | 29.603 | 30.817 | 24.882 | 1.021 | 14.714 |
| 10/6/2017 15:45 | 150300 | 120.558 | 19.074 | 271.568 | 40196.137 | 45326.617 | 29.607 | 30.822 | 24.878 | 1.021 | 14.715 |
| 10/6/2017 16:00 | 151200 | 120.519 | 19.073 | 271.481 | 40198.594 | 45329.984 | 29.61  | 30.824 | 24.876 | 1.021 | 14.715 |
| 10/6/2017 16:15 | 152100 | 120.474 | 19.073 | 271.38  | 40151.195 | 45276.801 | 29.571 | 30.788 | 24.906 | 1.021 | 14.713 |
| 10/6/2017 16:30 | 153000 | 120.441 | 19.073 | 271.306 | 40202.531 | 45334.938 | 29.613 | 30.828 | 24.874 | 1.021 | 14.709 |
| 10/6/2017 16:45 | 153900 | 120.398 | 19.072 | 271.208 | 40202.34  | 45335.145 | 29.614 | 30.828 | 24.874 | 1.021 | 14.711 |
| 10/6/2017 17:00 | 154800 | 120.367 | 19.072 | 271.138 | 40155.188 | 45282.227 | 29.575 | 30.792 | 24.903 | 1.021 | 14.713 |
| 10/6/2017 17:15 | 155700 | 120.361 | 19.073 | 271.125 | 40193.236 | 45313.465 | 29.598 | 30.813 | 24.886 | 1.021 | 14.71  |
| 10/6/2017 17:30 | 156600 | 120.346 | 19.072 | 271.092 | 40186.055 | 45316.781 | 29.6   | 30.815 | 24.884 | 1.021 | 14.707 |
| 10/6/2017 17:45 | 157500 | 120.322 | 19.073 | 271.037 | 40158.645 | 45285.621 | 29.578 | 30.794 | 24.901 | 1.021 | 14.714 |
| 10/6/2017 18:00 | 158400 | 120.323 | 19.073 | 271.04  | 40137.852 | 45262     | 29.56  | 30.778 | 24.914 | 1.021 | 14.705 |
| 10/6/2017 18:15 | 159300 | 120.325 | 19.073 | 271.043 | 40186.316 | 45316.141 | 29.6   | 30.815 | 24.884 | 1.021 | 14.712 |
| 10/6/2017 18:30 | 160200 | 120.332 | 19.074 | 271.059 | 40164.5   | 45290.859 | 29.581 | 30.798 | 24.898 | 1.021 | 14.711 |
| 10/6/2017 18:45 | 161100 | 120.33  | 19.074 | 271.074 | 40181.047 | 45308.922 | 29.595 | 30.822 | 24.887 | 1.021 | 14.71  |
| 10/6/2017 19:00 | 162000 | 120.373 | 19.076 | 271.153 | 40190.059 | 45317.969 | 29.601 | 30.816 | 24.882 | 1.021 | 14.711 |
| 10/6/2017 19:15 | 162900 | 120.397 | 19.077 | 271.205 | 40192.535 | 45319.496 | 29.602 | 30.817 | 24.88  | 1.021 | 14.705 |
| 10/6/2017 19:30 | 163800 | 120.415 | 19.078 | 271.247 | 40175.262 | 45299.34  | 29.588 | 30.804 | 24.891 | 1.021 | 14.714 |
| 10/6/2017 19:45 | 164700 | 120.456 | 19.079 | 271.338 | 40193.902 | 45318.652 | 29.602 | 30.817 | 24.879 | 1.021 | 14.708 |
| 10/6/2017 20:00 | 165600 | 120.487 | 19.08  | 271.408 | 40138.664 | 45255.434 | 29.556 | 30.774 | 24.914 | 1.021 | 14.716 |
| 10/6/2017 20:15 | 166500 | 120.521 | 19.081 | 271.485 | 40179.48  | 45300.865 | 29.58  | 30.805 | 24.888 | 1.021 | 14.713 |
| 10/6/2017 20:30 | 167400 | 120.577 | 19.082 | 271.611 | 40189.477 | 45310.859 | 29.596 | 30.811 | 24.882 | 1.021 | 14.713 |
| 10/6/2017 20:45 | 168300 | 120.626 | 19.083 | 271.721 | 40180.52  | 45299.82  | 29.588 | 30.804 | 24.888 | 1.021 | 14.713 |
| 10/6/2017 21:00 | 169200 | 120.67  | 19.084 | 271.821 | 40190.254 | 45309.695 | 29.596 | 30.811 | 24.882 | 1.021 | 14.713 |
| 10/6/2017 21:15 | 170100 | 120.71  | 19.084 | 271.91  | 40157.844 | 45273.156 | 29.569 | 30.786 | 24.902 | 1.021 | 14.713 |
| 10/6/2017 21:30 | 171000 | 120.758 | 19.085 | 272.02  | 40179.285 | 45296.813 | 29.586 | 30.802 | 24.888 | 1.021 | 14.716 |
| 10/6/2017 21:45 | 171900 | 120.803 | 19.085 | 272.122 | 40183.188 | 45300.729 | 29.589 | 30.805 | 24.886 | 1.021 | 14.713 |
| 10/6/2017 22:00 | 172800 | 120.853 | 19.086 | 272.234 | 40199.188 | 45318.148 | 29.602 | 30.816 | 24.876 | 1.021 | 14.712 |
| 10/6/2017 22:15 | 173700 | 120.897 | 19.086 | 272.331 | 40199.848 | 45318.797 | 29.602 | 30.817 | 24.876 | 1.021 | 14.711 |
| 10/6/2017 22:30 | 174600 | 120.911 | 19.086 | 272.363 | 40183.695 | 45300.504 | 29.589 | 30.804 | 24.886 | 1.021 | 14.715 |
| 10/6/2017 22:45 | 175500 | 120.963 | 19.087 | 272.48  | 40183.094 | 45299.402 | 29.588 | 30.804 | 24.886 | 1.021 | 14.715 |
| 10/6/2017 23:00 | 176400 | 120.981 | 19.086 | 272.521 | 40178.25  | 45294.449 | 29.585 | 30.8   | 24.889 | 1.021 | 14.715 |
| 10/6/2017 23:15 | 177300 | 121.005 | 19.087 | 272.576 | 40205.551 | 45325.063 | 29.607 | 30.821 | 24.872 | 1.021 | 14.714 |
| 10/6/2017 23:30 | 178200 | 121.032 | 19.086 | 272.637 | 40201.699 | 45321.316 | 29.604 | 30.818 | 24.875 | 1.021 | 14.715 |
| 10/6/2017 23:45 | 179100 | 121.056 | 19.086 | 272.689 | 40193.566 | 45311.813 | 29.597 | 30.812 | 24.88  | 1.021 | 14.707 |
|                 |        |         |        |         |           |           |        |        |        |       |        |

|                 |        |         |        |         |           |           |        |        |        |       |        |
|-----------------|--------|---------|--------|---------|-----------|-----------|--------|--------|--------|-------|--------|
| 10/8/2017 8:15  | 296100 | 120.692 | 19.081 | 271.87  | 40193.078 | 45216.191 | 29.6   | 30.815 | 24.88  | 1.021 | 14.632 |
| 10/8/2017 8:30  | 297000 | 120.752 | 19.082 | 272.006 | 40185.426 | 45306.797 | 29.593 | 30.809 | 24.885 | 1.021 | 14.639 |
| 10/8/2017 8:45  | 297900 | 120.774 | 19.082 | 272.055 | 40184.879 | 45305.676 | 29.593 | 30.808 | 24.885 | 1.021 | 14.64  |
| 10/8/2017 9:00  | 298800 | 120.825 | 19.083 | 272.171 | 40191.566 | 45312.371 | 29.598 | 30.812 | 24.881 | 1.021 | 14.639 |
| 10/8/2017 9:15  | 299700 | 120.86  | 19.084 | 272.249 | 40178.086 | 45296.313 | 29.586 | 30.801 | 24.889 | 1.021 | 14.64  |
| 10/8/2017 9:30  | 300600 | 120.916 | 19.085 | 272.375 | 40210.099 | 45332.566 | 29.612 | 30.826 | 24.869 | 1.021 | 14.639 |
| 10/8/2017 9:45  | 301500 | 120.943 | 19.085 | 272.436 | 40188.313 | 45306.477 | 29.593 | 30.809 | 24.883 | 1.021 | 14.643 |
| 10/8/2017 10:00 | 302400 | 120.994 | 19.086 | 272.55  | 40214.07  | 45334.926 | 29.614 | 30.828 | 24.867 | 1.021 | 14.636 |
| 10/8/2017 10:15 | 303300 | 121.026 | 19.086 | 272.622 | 40216.93  | 45337.973 | 29.616 | 30.83  | 24.865 | 1.021 | 14.637 |
| 10/8/2017 10:30 | 304200 | 121.073 | 19.087 | 272.728 | 40174.297 | 45289.398 | 29.581 | 30.797 | 24.892 | 1.021 | 14.629 |
| 10/8/2017 10:45 | 305100 | 121.119 | 19.087 | 272.832 | 40211.754 | 45331.371 | 29.612 | 30.825 | 24.868 | 1.021 | 14.631 |
| 10/8/2017 11:00 | 306000 | 121.157 | 19.087 | 272.917 | 40226.168 | 45358.559 | 29.611 | 30.844 | 24.853 | 1.021 | 14.635 |
| 10/8/2017 11:15 | 306900 | 121.185 | 19.087 | 272.981 | 40181.887 | 45311.388 | 29.611 | 30.825 | 24.858 | 1.021 | 14.627 |
| 10/8/2017 11:30 | 307800 | 121.235 | 19.087 | 273.093 | 40204.441 | 45323.469 | 29.606 | 30.82  | 24.873 | 1.021 | 14.63  |
| 10/8/2017 11:45 | 308700 | 121.255 | 19.087 | 273.139 | 40224.82  | 45346.102 | 29.622 | 30.835 | 24.86  | 1.021 | 14.63  |
| 10/8/2017 12:00 | 309600 | 121.278 | 19.087 | 273.19  | 40228.137 | 45349.504 | 29.625 | 30.838 | 24.858 | 1.021 | 14.626 |
| 10/8/2017 12:15 | 310500 | 121.29  | 19.087 | 273.217 | 40208.906 | 45328.414 | 29.609 | 30.823 | 24.87  | 1.021 | 14.625 |
| 10/8/2017 12:30 | 311400 | 121.295 | 19.087 | 273.228 | 40222.664 | 45344.012 | 29.621 | 30.834 | 24.862 | 1.021 | 14.63  |
| 10/8/2017 12:45 | 312300 | 121.3   | 19.086 | 273.24  | 40214.314 | 45367.828 | 29.638 | 30.85  | 24.849 | 1.021 | 14.628 |
| 10/8/2017 13:00 | 313200 | 121.296 | 19.086 | 273.23  | 40215.324 | 45336.586 | 29.615 | 30.829 | 24.866 | 1.021 | 14.629 |
| 10/8/2017 13:15 | 314100 | 121.301 | 19.086 | 273.242 | 40242.426 | 45367.051 | 29.637 | 30.85  | 24.849 | 1.021 | 14.623 |
| 10/8/2017 13:30 | 315000 | 121.268 | 19.085 | 273.167 | 40244.172 | 45369.629 | 29.639 | 30.851 | 24.848 | 1.021 | 14.62  |
| 10/8/2017 13:45 | 315900 | 121.275 | 19.084 | 273.185 | 40238.512 | 45364.27  | 29.635 | 30.848 | 24.852 | 1.021 | 14.613 |
| 10/8/2017 14:00 | 316800 | 121.233 | 19.084 | 273.088 | 40211.18  | 45333.539 | 29.613 | 30.827 | 24.869 | 1.021 | 14.623 |
| 10/8/2017 14:15 | 317700 | 121.211 | 19.083 | 273.039 | 40232.969 | 45359.047 | 29.631 | 30.844 | 24.855 | 1.021 | 14.619 |
| 10/8/2017 14:30 | 318600 | 121.168 | 19.083 | 273.943 | 40224.297 | 45349.766 | 29.625 | 30.838 | 24.861 | 1.021 | 14.617 |
| 10/8/2017 14:45 | 319500 | 121.132 | 19.082 | 272.862 | 40231.781 | 45358.891 | 29.631 | 30.844 | 24.856 | 1.021 | 14.613 |
| 10/8/2017 15:00 | 320400 | 121.082 | 19.081 | 272.748 | 40230.434 | 45358.309 | 29.631 | 30.844 | 24.857 | 1.021 | 14.607 |
| 10/8/2017 15:15 | 321300 | 121.015 | 19.08  | 272.599 | 40238.531 | 45368.297 | 29.638 | 30.85  | 24.852 | 1.021 | 14.613 |
| 10/8/2017 15:30 | 322200 | 120.991 | 19.079 | 272.544 | 40200.688 | 45326.473 | 29.608 | 30.822 | 24.875 | 1.021 | 14.613 |
| 10/8/2017 15:45 | 323100 | 120.937 | 19.078 | 272.422 | 40217.098 | 45345.996 | 29.622 | 30.835 | 24.865 | 1.021 | 14.608 |
| 10/8/2017 16:00 | 324000 | 120.877 | 19.077 | 272.288 | 40223.016 | 45353.52  | 29.627 | 30.84  | 24.861 | 1.021 | 14.608 |
| 10/8/2017 16:15 | 324900 | 120.813 | 19.077 | 272.143 | 40183.121 | 45309.305 | 29.595 | 30.81  | 24.886 | 1.021 | 14.611 |
| 10/8/2017 16:30 | 325800 | 120.771 | 19.076 | 272.048 | 40191.266 | 45319.328 | 29.602 | 30.817 | 24.881 | 1.021 | 14.607 |
| 10/8/2017 16:45 | 326700 | 120.721 | 19.076 | 271.937 | 40215.039 | 45346.316 | 29.622 | 30.835 | 24.866 | 1.021 | 14.611 |
| 10/8/2017 17:00 | 327600 | 120.665 | 19.074 | 271.81  | 40215.77  | 45348.242 | 29.623 | 30.837 | 24.866 | 1.021 | 14.611 |
| 10/8/2017 17:15 | 328500 | 120.608 | 19.074 | 271.68  | 40199.055 | 45330.128 | 29.61  | 30.824 | 24.876 | 1.021 | 14.61  |
| 10/8/2017 17:30 | 329400 | 120.571 | 19.073 | 271.599 | 40210.586 | 45343.426 | 29.62  | 30.834 | 24.869 | 1.021 | 14.606 |
| 10/8/2017 17:45 | 330300 | 120.515 | 19.073 | 271.471 | 40220.719 | 45355.199 | 29.628 | 30.842 | 24.863 | 1.021 | 14.612 |
| 10/8/2017 18:00 | 331200 | 120.495 | 19.073 | 271.426 | 40163.949 | 45291.43  | 29.582 | 30.798 | 24.898 | 1.021 | 14.602 |
| 10/8/2017 18:15 | 332100 | 120.448 | 19.073 | 271.321 | 40217.215 | 45351.496 | 29.626 | 30.839 | 24.865 | 1.021 | 14.609 |
| 10/8/2017 18:30 | 333000 | 120.422 | 19.073 | 271.261 | 40208.422 | 45341.668 | 29.618 | 30.832 | 24.87  | 1.021 | 14.599 |
| 10/8/2017 18:45 | 333900 | 120.405 | 19.072 | 271.223 | 40197.936 | 45302.262 | 29.59  | 30.806 | 24.892 | 1.021 | 14.602 |
| 10/8/2017 19:00 | 334800 | 120.364 | 19.072 | 271.131 | 40164.504 | 45292.82  | 29.583 | 30.799 | 24.908 | 1.021 | 14.615 |
| 10/8/2017 19:15 | 335700 | 120.358 | 19.072 | 271.117 | 40152.973 | 45279.297 | 29.573 | 30.79  | 24.905 | 1.021 | 14.611 |
| 10/8/2017 19:30 | 336600 | 120.349 | 19.072 | 271.097 | 40176.035 | 45305.305 | 29.592 | 30.808 | 24.89  | 1.021 | 14.614 |
| 10/8/2017 19:45 | 337500 | 120.336 | 19.073 | 271.069 | 40179.184 | 45308.363 | 29.594 | 30.81  | 24.889 | 1.021 | 14.616 |
| 10/8/2017 20:00 | 338400 | 120.332 | 19.073 | 271.06  | 40175.926 | 45304.512 | 29.591 | 30.807 | 24.891 | 1.021 | 14.616 |
| 10/8/2017 20:15 | 339300 | 120.346 | 19.074 | 271.001 | 40170.047 | 45297.285 | 29.587 | 30.805 | 24.894 | 1.021 | 14.616 |
| 10/8/2017 20:30 | 340200 | 120.356 | 19.074 | 271.113 | 40133.809 | 45255.82  | 29.556 | 30.774 | 24.917 | 1.021 | 14.611 |
| 10/8/2017 20:45 | 341100 | 120.385 | 19.075 | 271.178 | 40187.629 | 45315.66  | 29.6   | 30.815 | 24.883 | 1.021 | 14.606 |
| 10/8/2017 21:00 | 342000 | 120.392 | 19.075 | 271.196 | 40205.293 | 45335.504 | 29.614 | 30.828 | 24.872 | 1.021 | 14.611 |
| 10/8/2017 21:15 | 342900 | 120.424 | 19.077 | 271.266 | 40171.484 | 45296.184 | 29.585 | 30.801 | 24.893 | 1.021 | 14.612 |
| 10/8/2017 21:30 | 343800 | 120.454 | 19.078 | 271.334 | 40190.398 | 45316.406 | 29.6   | 30.815 | 24.882 | 1.021 | 14.614 |
| 10/8/2017 21:45 | 344700 | 120.491 | 19.079 | 271.418 | 40193.504 | 45318.883 | 29.602 | 30.817 | 24.88  | 1.021 | 14.612 |
| 10/8/2017 22:00 | 345600 | 120.529 | 19.08  | 271.503 | 40174.238 | 45296.216 | 29.586 | 30.801 | 24.892 | 1.021 | 14.615 |
| 10/8/2017 22:15 | 346500 | 120.548 | 19.08  | 271.547 | 40198.305 | 45322.598 | 29.605 | 30.819 | 24.877 | 1.021 | 14.622 |
| 10/8/2017 22:30 | 347400 | 120.597 | 19.081 | 271.656 | 40167.863 | 45287.336 | 29.579 | 30.795 | 24.896 | 1.021 | 14.621 |
| 10/8/2017 22:45 | 348300 | 120.645 | 19.082 | 271.764 | 40180.898 | 45301.105 | 29.589 | 30.805 | 24.887 | 1.021 | 14.622 |
| 10/8/2017 23:00 | 349200 | 120.681 | 19.083 | 271.847 | 40168.875 | 45286.609 | 29.579 | 30.795 | 24.895 | 1.021 | 14.626 |
| 10/8/2017 23:15 | 350100 | 120.726 | 19.084 | 271.948 | 40181.223 | 45300.188 | 29.589 | 30.804 | 24.887 | 1.021 | 14.623 |
| 10/8/2017 23:30 | 351000 | 120.775 | 19.084 | 272.058 | 40184.652 | 45302.279 | 29.591 | 30.806 | 24.885 | 1.021 | 14.606 |
| 10/8/2017 23:45 | 351900 | 120.812 | 19.084 | 272.14  | 40161.223 | 45276.965 | 29.572 | 30.788 | 24.9   | 1.021 | 14.631 |
| 10/9/2017 0:00  | 352800 | 120.843 | 19.085 | 272.211 | 40219.535 | 45342.273 | 29.619 | 30.833 | 24.864 | 1.021 | 14.624 |
| 10/9/2017 0:15  | 353700 | 120.877 | 19.085 | 272.286 | 40210.793 | 45332.336 | 29.612 | 30.826 | 24.869 | 1.021 | 14.63  |
| 10/9/2017 0:30  | 354600 | 120.913 | 19.085 | 272.368 | 40300.813 | 45308.758 | 29.589 | 30.805 | 24.886 | 1.021 | 14.629 |
| 10/9/2017 0:45  | 355500 | 120.944 | 19.085 | 272.438 | 40208.852 | 45329.965 | 29.61  | 30.824 | 24.87  | 1.021 | 14.63  |
| 10/9/2017 1:00  | 356400 | 120.985 | 19.085 | 272.492 | 40183.188 | 45300.789 | 29.583 | 30.805 | 24.886 | 1.021 | 14.629 |
| 10/9/2017 1:15  | 357300 | 120.989 | 19.086 | 272.539 | 40176.934 | 45293.395 | 29.584 | 30.8   | 24.89  | 1.021 | 14.628 |
| 10/9/2017 1:30  | 358200 | 121.027 | 19.085 | 272.626 | 40241.949 | 45367.035 | 29.637 | 30.85  | 24.85  | 1.021 | 14.623 |
| 10/9/2017 1:45  | 359100 | 120.998 | 19.085 | 272.56  | 40189.52  | 45308.172 | 29.595 | 30.81  | 24.882 | 1.021 | 14.628 |
| 10/9/2017 2:00  | 360000 | 121.026 | 19.085 | 272.623 | 40223.75  | 45346.941 | 29.623 | 30.836 | 24.861 | 1.021 | 14.634 |
| 10/9/2017 2:15  | 360900 | 121.026 | 19.084 | 272.622 | 40217.051 | 45339.906 | 29.618 | 30.831 | 24.865 | 1.021 | 14.628 |
| 10/9/2017 2:30  | 361800 | 121.021 | 19.084 | 272.612 | 40235.859 | 45361.445 | 29.633 | 30.846 | 24.853 | 1.021 | 14.63  |
| 10/9/2017 2:45  | 362700 | 121.014 | 19.084 | 272.596 | 40193.234 | 45313.641 | 29.598 | 30.813 | 24.88  | 1.021 | 14.633 |
| 10/9/2017 3:00  | 363600 | 121.015 | 19.083 | 272.598 | 40214.992 | 45338.859 | 29.617 | 30.83  | 24.866 | 1.021 | 14.634 |
| 10/9/2017 3:15  | 364500 | 121.003 | 19.083 | 272.57  | 40201.707 | 45324.391 | 29.606 | 30.821 | 24.875 | 1.021 | 14.629 |
| 10/9/2017 3:30  | 365400 | 120.98  | 19.083 | 272.518 | 40179.996 | 45299.914 | 29.588 | 30.804 | 24.888 | 1.021 | 14.628 |
| 10/9/2017 3:45  | 366300 | 120.971 | 19.082 | 272.498 | 40205.609 | 45329.125 | 29.61  | 30.824 | 24.872 | 1.021 | 14.627 |
| 10/9/2017 4:00  | 367200 | 120.949 | 19.081 | 272.449 | 40197.301 | 45320.527 | 29.603 | 30.817 | 24.877 | 1.021 | 14.627 |
| 10/9/2017 4:15  | 368100 | 120.914 | 19.081 | 272.37  | 40236.637 | 45365.301 | 29.636 | 30.848 | 24.853 | 1.021 | 14.631 |
| 10/9/2017 4:30  | 369000 | 120.902 | 19.081 | 272.344 | 40194.824 | 45318.582 | 29.602 | 30.817 | 24.879 | 1.021 | 14.634 |

|                  |        |         |        |           |           |           |        |        |        |       |        |
|------------------|--------|---------|--------|-----------|-----------|-----------|--------|--------|--------|-------|--------|
| 10/10/2017 13:00 | 486000 | 121.308 | 19.085 | 273.258   | 40184.203 | 45201.934 | 29.59  | 30.805 | 24.885 | 1.021 | 14.694 |
| 10/10/2017 13:15 | 486900 | 121.333 | 19.085 | 273.315   | 40214.109 | 45335.559 | 29.614 | 30.828 | 24.867 | 1.021 | 14.697 |
| 10/10/2017 13:30 | 487800 | 121.348 | 19.086 | 273.349   | 40182.004 | 45299.113 | 29.588 | 30.803 | 24.887 | 1.021 | 14.69  |
| 10/10/2017 13:45 | 488700 | 121.362 | 19.085 | 273.379   | 40176.742 | 45293.867 | 29.584 | 30.8   | 24.89  | 1.021 | 14.686 |
| 10/10/2017 14:00 | 489600 | 121.365 | 19.085 | 273.386   | 40211.285 | 45333.055 | 29.613 | 30.826 | 24.869 | 1.021 | 14.692 |
| 10/10/2017 14:15 | 490500 | 121.373 | 19.085 | 273.404   | 40183.805 | 45361.109 | 29.59  | 30.805 | 24.886 | 1.021 | 14.688 |
| 10/10/2017 14:30 | 491400 | 121.386 | 19.084 | 273.435   | 40210.082 | 45322.121 | 29.612 | 30.826 | 24.869 | 1.021 | 14.685 |
| 10/10/2017 14:45 | 492300 | 121.372 | 19.084 | 273.402   | 40166.797 | 45284.012 | 29.577 | 30.793 | 24.896 | 1.021 | 14.686 |
| 10/10/2017 15:00 | 493200 | 121.355 | 19.084 | 273.364   | 40199.266 | 45320.441 | 29.603 | 30.818 | 24.876 | 1.021 | 14.687 |
| 10/10/2017 15:15 | 494100 | 121.356 | 19.083 | 273.366   | 40211.148 | 45334.688 | 29.614 | 30.828 | 24.869 | 1.021 | 14.682 |
| 10/10/2017 15:30 | 495000 | 121.342 | 19.083 | 273.334   | 40193.445 | 45314.816 | 29.599 | 30.814 | 24.88  | 1.021 | 14.685 |
| 10/10/2017 15:45 | 495900 | 121.308 | 19.082 | 273.259   | 40178.086 | 45286.273 | 29.587 | 30.803 | 24.889 | 1.021 | 14.691 |
| 10/10/2017 16:00 | 496800 | 121.283 | 19.082 | 273.203   | 40187.383 | 45309.168 | 29.595 | 30.81  | 24.883 | 1.021 | 14.683 |
| 10/10/2017 16:15 | 497700 | 121.254 | 19.081 | 273.136   | 40174.816 | 45295.848 | 29.585 | 30.801 | 24.891 | 1.021 | 14.687 |
| 10/10/2017 16:30 | 498600 | 121.216 | 19.08  | 273.051   | 40166.004 | 45286.262 | 29.578 | 30.795 | 24.897 | 1.021 | 14.69  |
| 10/10/2017 16:45 | 499500 | 121.171 | 19.08  | 272.95    | 40135.988 | 45253.266 | 29.554 | 30.772 | 24.915 | 1.021 | 14.69  |
| 10/10/2017 17:00 | 500400 | 121.124 | 19.079 | 272.844   | 40204.133 | 45330.789 | 29.611 | 30.825 | 24.873 | 1.021 | 14.693 |
| 10/10/2017 17:15 | 501300 | 121.084 | 19.078 | 272.754   | 40190.805 | 45316.867 | 29.601 | 30.815 | 24.881 | 1.021 | 14.689 |
| 10/10/2017 17:30 | 502200 | 121.048 | 19.072 | 272.653   | 40195.375 | 45322.941 | 29.605 | 30.82  | 24.878 | 1.021 | 14.683 |
| 10/10/2017 17:45 | 503100 | 120.987 | 19.076 | 272.535   | 40173.859 | 45299.203 | 29.588 | 30.803 | 24.892 | 1.021 | 14.685 |
| 10/10/2017 18:00 | 504000 | 120.943 | 19.076 | 272.436   | 40166.836 | 45291.871 | 29.582 | 30.798 | 24.896 | 1.021 | 14.689 |
| 10/10/2017 18:15 | 504900 | 120.894 | 19.075 | 272.325   | 40200.094 | 45329.977 | 29.61  | 30.824 | 24.876 | 1.021 | 14.687 |
| 10/10/2017 18:30 | 505800 | 120.845 | 19.074 | 272.215   | 40177.871 | 45305.938 | 29.592 | 30.808 | 24.889 | 1.021 | 14.689 |
| 10/10/2017 18:45 | 506700 | 120.784 | 19.073 | 272.078   | 40200.961 | 45332.57  | 29.612 | 30.826 | 24.875 | 1.021 | 14.687 |
| 10/10/2017 19:00 | 507600 | 120.744 | 19.073 | 271.988   | 40187.711 | 45317.98  | 29.601 | 30.816 | 24.883 | 1.021 | 14.688 |
| 10/10/2017 19:15 | 508500 | 120.702 | 19.072 | 271.892   | 40201.27  | 45333.758 | 29.613 | 30.827 | 24.875 | 1.021 | 14.693 |
| 10/10/2017 19:30 | 509400 | 120.653 | 19.072 | 271.783   | 40223.629 | 45359.332 | 29.631 | 30.844 | 24.861 | 1.021 | 14.692 |
| 10/10/2017 19:45 | 510300 | 120.618 | 19.072 | 271.704   | 40188.863 | 45320.289 | 29.603 | 30.818 | 24.883 | 1.021 | 14.696 |
| 10/10/2017 20:00 | 511200 | 120.583 | 19.072 | 271.625   | 40154.738 | 45282.234 | 29.575 | 30.792 | 24.904 | 1.021 | 14.691 |
| 10/10/2017 20:15 | 512100 | 120.551 | 19.071 | 271.553   | 40182.766 | 45314.176 | 29.598 | 30.814 | 24.886 | 1.021 | 14.689 |
| 10/10/2017 20:30 | 513000 | 120.494 | 19.071 | 271.426   | 40131.891 | 45256.551 | 29.556 | 30.774 | 24.918 | 1.021 | 14.701 |
| 10/10/2017 20:45 | 513900 | 120.487 | 19.071 | 271.408   | 40132.426 | 45257.324 | 29.557 | 30.775 | 24.918 | 1.021 | 14.693 |
| 10/10/2017 21:00 | 514800 | 120.471 | 19.071 | 271.372   | 40113.547 | 45236.035 | 29.541 | 30.761 | 24.929 | 1.021 | 14.691 |
| 10/10/2017 21:15 | 515700 | 120.453 | 19.072 | 271.333   | 40155.738 | 45282.938 | 29.576 | 30.792 | 24.903 | 1.021 | 14.694 |
| 10/10/2017 21:30 | 516600 | 120.445 | 19.072 | 271.315   | 40129.949 | 45254.199 | 29.555 | 30.773 | 24.919 | 1.021 | 14.696 |
| 10/10/2017 21:45 | 517500 | 120.44  | 19.072 | 271.304   | 40145.254 | 45271.113 | 29.567 | 30.784 | 24.91  | 1.021 | 14.695 |
| 10/10/2017 22:00 | 518400 | 120.430 | 19.073 | 271.301   | 40136.637 | 45261.665 | 29.56  | 30.778 | 24.915 | 1.021 | 14.695 |
| 10/10/2017 22:15 | 519300 | 120.433 | 19.073 | 271.288   | 40130.242 | 45253.078 | 29.554 | 30.772 | 24.919 | 1.021 | 14.696 |
| 10/10/2017 22:30 | 520200 | 120.441 | 19.073 | 271.305   | 40129.859 | 45252.395 | 29.553 | 30.772 | 24.919 | 1.021 | 14.699 |
| 10/10/2017 22:45 | 521100 | 120.455 | 19.074 | 271.337   | 40113.48  | 45233.328 | 29.54  | 30.759 | 24.929 | 1.021 | 14.701 |
| 10/10/2017 23:00 | 522000 | 120.464 | 19.074 | 271.357   | 40152.449 | 45276.84  | 29.571 | 30.788 | 24.905 | 1.021 | 14.703 |
| 10/10/2017 23:15 | 522900 | 120.483 | 19.075 | 271.399   | 40145.789 | 45268.48  | 29.565 | 30.783 | 24.909 | 1.021 | 14.706 |
| 10/10/2017 23:30 | 523800 | 120.506 | 19.076 | 271.451   | 40139.814 | 45261.172 | 29.564 | 30.778 | 24.913 | 1.021 | 14.706 |
| 10/10/2017 23:45 | 524700 | 120.532 | 19.077 | 271.51    | 40165.773 | 45289.23  | 29.58  | 30.797 | 24.897 | 1.021 | 14.702 |
| 10/11/2017 0:00  | 525600 | 120.57  | 19.078 | 271.595   | 40153.266 | 45274.457 | 29.57  | 30.787 | 24.905 | 1.021 | 14.703 |
| 10/11/2017 0:15  | 526500 | 120.589 | 19.079 | 271.639   | 40179.398 | 45302.98  | 29.59  | 30.806 | 24.888 | 1.021 | 14.704 |
| 10/11/2017 0:30  | 527400 | 120.629 | 19.08  | 271.729   | 40126.793 | 45242.223 | 29.546 | 30.765 | 24.921 | 1.021 | 14.705 |
| 10/11/2017 0:45  | 528300 | 120.676 | 19.081 | 271.835   | 40158.684 | 45277.5   | 29.572 | 30.789 | 24.901 | 1.021 | 14.702 |
| 10/11/2017 1:00  | 529200 | 120.745 | 19.082 | 271.905   | 40145.754 | 45261.645 | 29.561 | 30.778 | 24.909 | 1.021 | 14.709 |
| 10/11/2017 1:15  | 530100 | 120.745 | 19.083 | 271.989   | 40168.551 | 45286.914 | 29.579 | 30.795 | 24.895 | 1.021 | 14.703 |
| 10/11/2017 1:30  | 531000 | 120.778 | 19.084 | 272.065   | 40150.566 | 45265.715 | 29.564 | 30.781 | 24.906 | 1.021 | 14.706 |
| 10/11/2017 1:45  | 531900 | 120.826 | 19.084 | 272.172   | 40154.289 | 45269.988 | 29.567 | 30.784 | 24.904 | 1.021 | 14.699 |
| 10/11/2017 2:00  | 532800 | 120.853 | 19.084 | 272.234   | 40200.367 | 45321.168 | 29.604 | 30.818 | 24.875 | 1.021 | 14.702 |
| 10/11/2017 2:15  | 533700 | 120.9   | 19.085 | 272.338   | 40178.184 | 45295.996 | 29.586 | 30.801 | 24.889 | 1.021 | 14.697 |
| 10/11/2017 2:30  | 534600 | 120.917 | 19.085 | 272.378   | 40180.305 | 45298.129 | 29.587 | 30.803 | 24.888 | 1.021 | 14.701 |
| 10/11/2017 2:45  | 535500 | 120.956 | 19.085 | 272.465   | 40162.5   | 45277.809 | 29.572 | 30.789 | 24.899 | 1.021 | 14.709 |
| 10/11/2017 3:00  | 536400 | 120.982 | 19.085 | 272.525   | 40173.063 | 45289.375 | 29.581 | 30.797 | 24.892 | 1.021 | 14.69  |
| 10/11/2017 3:15  | 537300 | 121.006 | 19.085 | 272.578   | 40189.766 | 45308.547 | 29.595 | 30.81  | 24.882 | 1.021 | 14.689 |
| 10/11/2017 3:30  | 538200 | 121.032 | 19.085 | 272.637   | 40170.762 | 45287.027 | 29.579 | 30.795 | 24.894 | 1.021 | 14.695 |
| 10/11/2017 3:45  | 539100 | 121.049 | 19.085 | 272.675   | 40161.219 | 45276.527 | 29.572 | 30.788 | 24.9   | 1.021 | 14.684 |
| 10/11/2017 4:00  | 540000 | 121.053 | 19.085 | 272.684   | 40203.023 | 45323.742 | 29.606 | 30.82  | 24.874 | 1.021 | 14.69  |
| 10/11/2017 4:15  | 540900 | 121.069 | 19.085 | 272.72    | 40156.59  | 45271.85  | 29.568 | 30.785 | 24.895 | 1.021 | 14.693 |
| 10/11/2017 4:30  | 541800 | 121.081 | 19.084 | 272.748   | 40165.797 | 45282.121 | 29.576 | 30.792 | 24.897 | 1.021 | 14.692 |
| 10/11/2017 4:45  | 542700 | 121.101 | 19.084 | 272.792   | 40167.719 | 45284.289 | 29.577 | 30.793 | 24.896 | 1.021 | 14.687 |
| 10/11/2017 5:00  | 543600 | 121.073 | 19.084 | 272.729   | 40172.16  | 45289.711 | 29.581 | 30.797 | 24.893 | 1.021 | 14.686 |
| 10/11/2017 5:15  | 544500 | 121.092 | 19.083 | 272.773   | 40173.602 | 45291.938 | 29.583 | 30.799 | 24.892 | 1.021 | 14.687 |
| 10/11/2017 5:30  | 545400 | 121.076 | 19.083 | 272.735   | 40183.977 | 45303.891 | 29.591 | 30.807 | 24.886 | 1.021 | 14.687 |
| 10/11/2017 5:45  | 546300 | 121.073 | 19.083 | 272.726   | 40189.016 | 45309.234 | 29.596 | 30.811 | 24.882 | 1.021 | 14.682 |
| 10/11/2017 5:00  | 547200 | 121.056 | 19.083 | 272.691   | 40184.293 | 45304.758 | 29.592 | 30.807 | 24.885 | 1.021 | 14.694 |
| 10/11/2017 6:15  | 548100 | 121.042 | 19.083 | 272.659   | 40189.898 | 45311.078 | 29.597 | 30.812 | 24.882 | 1.021 | 14.692 |
| 10/11/2017 6:30  | 549000 | 121.033 | 19.082 | 272.638   | 40193.723 | 45315.473 | 29.6   | 30.815 | 24.88  | 1.021 | 14.695 |
| 10/11/2017 6:45  | 549900 | 121.023 | 19.082 | 272.615   | 40201.051 | 45324.5   | 29.606 | 30.821 | 24.875 | 1.021 | 14.695 |
| 10/11/2017 7:00  | 550800 | 121.018 | 19.081 | 272.606   | 40194.473 | 45317.516 | 29.601 | 30.816 | 24.879 | 1.021 | 14.695 |
| 10/11/2017 7:15  | 551700 | 120.998 | 19.081 | 272.551   | 40189.043 | 45311.865 | 29.597 | 30.812 | 24.882 | 1.021 | 14.7   |
| 10/11/2017 7:30  | 552600 | 120.978 | 19.081 | 272.514   | 40185.945 | 45308.492 | 29.595 | 30.81  | 24.884 | 1.021 | 14.702 |
| 10/11/2017 7:45  | 553500 | 120.963 | 19.08  | 272.481   | 40173.633 | 45295.125 | 29.585 | 30.801 | 24.892 | 1.021 | 14.701 |
| 10/11/2017 8:00  | 554400 | 120.952 | 19.08  | 272.457   | 40191.207 | 45314.676 | 29.599 | 30.814 | 24.881 | 1.021 | 14.702 |
| 10/11/2017 8:15  | 555300 | 120.936 | 19.08  | 272.42    | 40154.289 | 45273.477 | 29.569 | 30.786 | 24.904 | 1.021 | 14.711 |
| 10/11/2017 8:30  | 556200 | 120.928 | 19.08  | 272.402   | 40168.816 | 45290.027 | 29.581 | 30.797 | 24.895 | 1.021 | 14.715 |
| 10/11/2017 8:45  | 557100 | 120.923 | 19.08  | 272.381   | 40180.363 | 45303.129 | 29.591 | 30.806 | 24.889 | 1.021 | 14.723 |
| 10/11/2017 9:00  | 558000 | 120.912 | 19.079 | 272.365   | 40200.84  | 45326.727 | 29.608 | 30.822 | 24.875 | 1.021 | 14.714 |
| 10/11/2017 9:15  | 558900 | 120.918 | 19.079 | 272.379</ |           |           |        |        |        |       |        |

|                                                                                                                                                                        |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Report Date:                                                                                                                                                           | 10/13/2017 8:35                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Report User Name:                                                                                                                                                      | WMassoll                                                   |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Report Computer Name:                                                                                                                                                  | WKST52                                                     |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Application:                                                                                                                                                           | WinSitu.exe                                                |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Application Version:                                                                                                                                                   | 5.6.27.1                                                   |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Log File Properties                                                                                                                                                    |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| File Name                                                                                                                                                              | MPWSP MW-1M Pre Test_2017-10-12_08-58-49-855-BaroMerge.wsl |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Create Date                                                                                                                                                            | 10/13/2017 8:31                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Device Properties                                                                                                                                                      |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Device                                                                                                                                                                 | Aqua TROLL 200                                             |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Site                                                                                                                                                                   | MPWSP MW-1M                                                |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Device Name                                                                                                                                                            |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Serial Number                                                                                                                                                          | 469248                                                     |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Firmware Version                                                                                                                                                       | 2.01                                                       |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Hardware Version                                                                                                                                                       | 4                                                          |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Device Address                                                                                                                                                         | 1                                                          |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Device Comm Cfg                                                                                                                                                        | 19200                                                      | 8 Even                                                                | 1 (Modbus-RTU)                                                         |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Used Memory                                                                                                                                                            | 0                                                          |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Used Battery                                                                                                                                                           | 2                                                          |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Log Configuration                                                                                                                                                      |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Log Name                                                                                                                                                               | MPWSP MW-1M Pre Test                                       |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Created By                                                                                                                                                             | Skuiper                                                    |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Computer Name                                                                                                                                                          | PROBOOK8                                                   |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Application                                                                                                                                                            | WinSitu.exe                                                |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Application Version                                                                                                                                                    | 5.6.25.0                                                   |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Create Date                                                                                                                                                            | 11/10/2016 8:52:14 AM Pacific Standard Time                |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Log Setup Time Zone                                                                                                                                                    | Pacific Standard Time                                      |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Notes Size(bytes)                                                                                                                                                      | 4096                                                       |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Overwrite when full                                                                                                                                                    | Enabled                                                    |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Scheduled Start Time                                                                                                                                                   | 11/10/2016 10:00:00 AM Pacific Standard Time               |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Scheduled Stop Time                                                                                                                                                    | No Stop Time                                               |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Type                                                                                                                                                                   | Linear                                                     |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Interval                                                                                                                                                               | Days: 0 hrs: 00 mins: 15 secs: 00                          |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Level Reference Settings At Log Creation                                                                                                                               |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Level Measurement Mode                                                                                                                                                 | Depth                                                      |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Specific Gravity                                                                                                                                                       | 1.024                                                      |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Other Log Settings                                                                                                                                                     |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Depth of Probe:                                                                                                                                                        | 34.0136 (ft)                                               |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Head Pressure:                                                                                                                                                         | 15.0997 (PSI)                                              |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Temperature:                                                                                                                                                           | 21.2831 (C)                                                |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Specific Conductivity Model:                                                                                                                                           | Standard Methods                                           |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Reference Temperature:                                                                                                                                                 | 25                                                         |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Temperature Coefficient:                                                                                                                                               | 0.0191                                                     |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| TDS Factor:                                                                                                                                                            | 0.68                                                       |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Log Notes:                                                                                                                                                             |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Date and Time                                                                                                                                                          | Note                                                       |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 11/10/2016 8:52 Used Battery: 2% Used Memory: 3% User Name: Skuiper                                                                                                    |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 11/10/2016 11:02 Log Download - Used Battery: 2% Used Memory: 3% User Name: Skuiper Interval - Start Time: 11/10/2016 10:00:00 AM Stop Time: 11/10/2016 11:45:00 AM    |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 11/17/2016 8:37 Log Download - Used Battery: 2% Used Memory: 3% User Name: Skuiper Interval - Start Time: 11/9/2016 10:00:00 PM Stop Time: 11/17/2016 9:30:00 AM       |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 11/24/2016 16:02 Log Download - Used Battery: 3% Used Memory: 4% User Name: Skuiper Interval - Start Time: 11/15/2016 10:00:00 PM Stop Time: 11/24/2016 4:00:00 PM     |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 12/1/2016 12:18 Log Download - Used Battery: 3% Used Memory: 4% User Name: Skuiper Interval - Start Time: 10/31/2016 10:00:00 AM Stop Time: 12/1/2016 1:15:00 PM       |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 12/8/2016 12:36 Log Download - Used Battery: 3% Used Memory: 6% User Name: Skuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 12/8/2016 12:30:00 PM      |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 12/15/2016 10:45 Log Download - Used Battery: 4% Used Memory: 6% User Name: Skuiper Interval - Start Time: 12/7/2016 10:00:00 PM Stop Time: 12/15/2016 10:45:00 AM     |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 12/22/2016 19:38 Log Download - Used Battery: 4% Used Memory: 7% User Name: ANorris Interval - Start Time: 12/14/2016 10:00:00 PM Stop Time: 12/22/2016 8:30:00 PM     |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 1/5/2017 15:38 Log Download - Used Battery: 5% Used Memory: 9% User Name: Skuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 1/5/2017 3:30:00 PM         |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 1/12/2017 9:06 Log Download - Used Battery: 5% Used Memory: 9% User Name: Skuiper Interval - Start Time: 1/4/2017 10:00:00 PM Stop Time: 1/12/2017 9:45:00 AM          |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 1/19/2017 8:30 Log Download - Used Battery: 5% Used Memory: 10% User Name: EHernandez Interval - Start Time: 1/11/2017 10:00:00 PM Stop Time: 1/19/2017 9:15:00 AM     |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 1/26/2017 13:43 Log Download - Used Battery: 6% Used Memory: 10% User Name: Skuiper Interval - Start Time: 1/18/2017 10:00:00 PM Stop Time: 1/26/2017 2:30:00 PM       |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 2/2/2017 8:15 Log Download - Used Battery: 6% Used Memory: 12% User Name: WMassoll Interval - Start Time: 12/31/2016 10:00:00 PM Stop Time: 2/2/2017 8:15:00 AM        |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 2/9/2017 10:32 Log Download - Used Battery: 7% Used Memory: 12% User Name: EHernandez Interval - Start Time: 2/1/2017 12:00:00 AM Stop Time: 2/9/2017 10:30:00 AM      |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 2/16/2017 14:14 Log Download - Used Battery: 7% Used Memory: 14% User Name: WMassoll Interval - Start Time: 2/8/2017 10:00:00 PM Stop Time: 2/16/2017 3:00:00 PM       |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 2/23/2017 7:43 Log Download - Used Battery: 7% Used Memory: 14% User Name: EHernandez Interval - Start Time: 2/15/2017 12:00:00 AM Stop Time: 2/23/2017 8:30:00 AM     |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 3/2/2017 10:50 Log Download - Used Battery: 8% Used Memory: 15% User Name: Skuiper Interval - Start Time: 1/31/2017 10:00:00 PM Stop Time: 3/2/2017 11:45:00 AM        |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 3/9/2017 16:30 Log Download - Used Battery: 8% Used Memory: 15% User Name: WMassoll Interval - Start Time: 3/1/2017 11:30:00 PM Stop Time: 3/9/2017 5:30:00 PM         |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 3/16/2017 17:38 Log Download - Used Battery: 8% Used Memory: 17% User Name: WMassoll Interval - Start Time: 3/8/2017 10:00:00 PM Stop Time: 3/16/2017 6:30:00 PM       |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 3/23/2017 10:21 Log Download - Used Battery: 9% Used Memory: 17% User Name: AVanHaitsma Interval - Start Time: 3/15/2017 10:00:00 PM Stop Time: 3/23/2017 11:15:00 AM  |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 3/30/2017 8:08 Log Download - Used Battery: 9% Used Memory: 18% User Name: AVanHaitsma Interval - Start Time: 3/22/2017 10:00:00 PM Stop Time: 3/30/2017 8:00:00 AM    |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 4/6/2017 15:36 Log Download - Used Battery: 9% Used Memory: 20% User Name: Skuiper Interval - Start Time: 2/28/2017 12:00:00 PM Stop Time: 4/6/2017 4:30:00 PM         |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 4/13/2017 14:48 Log Download - Used Battery: 10% Used Memory: 20% User Name: Skuiper Interval - Start Time: 4/5/2017 10:00:00 PM Stop Time: 4/13/2017 2:45:00 PM       |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 4/20/2017 8:12 Log Download - Used Battery: 10% Used Memory: 21% User Name: AVanHaitsma Interval - Start Time: 4/12/2017 10:00:00 PM Stop Time: 4/20/2017 9:00:00 AM   |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 4/27/2017 14:18 Log Download - Used Battery: 11% Used Memory: 21% User Name: WMassoll Interval - Start Time: 4/19/2017 10:00:00 PM Stop Time: 4/27/2017 3:15:00 PM     |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 5/4/2017 8:09 Log Download - Used Battery: 11% Used Memory: 23% User Name: AVanHaitsma Interval - Start Time: 3/31/2017 10:00:00 PM Stop Time: 5/4/2017 9:00:00 AM     |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 5/11/2017 8:21 Log Download - Used Battery: 11% Used Memory: 23% User Name: AVanHaitsma Interval - Start Time: 5/3/2017 10:00:00 PM Stop Time: 5/11/2017 8:15:00 AM    |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 5/18/2017 8:25 Log Download - Used Battery: 12% Used Memory: 25% User Name: WMassoll Interval - Start Time: 5/10/2017 10:00:00 PM Stop Time: 5/18/2017 9:15:00 AM      |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 5/25/2017 8:28 Log Download - Used Battery: 12% Used Memory: 25% User Name: AVanHaitsma Interval - Start Time: 5/17/2017 10:00:00 PM Stop Time: 5/25/2017 8:15:00 AM   |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 6/1/2017 12:05 Log Download - Used Battery: 12% Used Memory: 26% User Name: WMassoll Interval - Start Time: 4/30/2017 10:00:00 PM Stop Time: 6/1/2017 1:00:00 PM       |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 6/8/2017 16:40 Log Download - Used Battery: 13% Used Memory: 26% User Name: WMassoll Interval - Start Time: 5/31/2017 10:00:00 PM Stop Time: 6/8/2017 5:30:00 PM       |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 6/15/2017 16:37 Log Download - Used Battery: 13% Used Memory: 28% User Name: AVanHaitsma Interval - Start Time: 6/7/2017 10:00:00 PM Stop Time: 6/15/2017 5:30:00 PM   |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 6/22/2017 15:49 Log Download - Used Battery: 13% Used Memory: 28% User Name: AVanHaitsma Interval - Start Time: 6/14/2017 10:00:00 PM Stop Time: 6/22/2017 4:45:00 PM  |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 6/29/2017 11:33 Log Download - Used Battery: 14% Used Memory: 29% User Name: WMassoll Interval - Start Time: 6/29/2017 10:00:00 PM Stop Time: 6/29/2017 11:30:00 AM    |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 7/6/2017 12:14 Log Download - Used Battery: 14% Used Memory: 29% User Name: AVanHaitsma Interval - Start Time: 5/31/2017 10:00:00 PM Stop Time: 7/6/2017 1:00:00 PM    |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 7/13/2017 16:00 Log Download - Used Battery: 14% Used Memory: 31% User Name: WMassoll Interval - Start Time: 7/5/2017 10:00:00 PM Stop Time: 7/13/2017 4:45:00 PM      |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 7/20/2017 13:20 Log Download - Used Battery: 15% Used Memory: 31% User Name: WMassoll Interval - Start Time: 7/12/2017 10:00:00 PM Stop Time: 7/20/2017 2:15:00 PM     |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 7/27/2017 7:43 Log Download - Used Battery: 15% Used Memory: 32% User Name: AVanHaitsma Interval - Start Time: 7/19/2017 10:00:00 PM Stop Time: 7/27/2017 8:30:00 AM   |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 8/3/2017 8:02 Log Download - Used Battery: 16% Used Memory: 32% User Name: AVanHaitsma Interval - Start Time: 6/30/2017 10:00:00 PM Stop Time: 8/3/2017 9:00:00 AM     |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 8/10/2017 14:11 Log Download - Used Battery: 16% Used Memory: 34% User Name: WMassoll Interval - Start Time: 8/2/2017 10:00:00 PM Stop Time: 8/10/2017 2:00:00 PM      |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 8/17/2017 8:30 Log Download - Used Battery: 16% Used Memory: 34% User Name: AVanHaitsma Interval - Start Time: 8/9/2017 10:00:00 PM Stop Time: 8/17/2017 9:30:00 AM    |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 8/24/2017 8:33 Log Download - Used Battery: 17% Used Memory: 35% User Name: AVanHaitsma Interval - Start Time: 8/16/2017 10:00:00 PM Stop Time: 8/24/2017 9:30:00 AM   |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 9/1/2017 15:38 Log Download - Used Battery: 17% Used Memory: 37% User Name: WMassoll Interval - Start Time: 7/31/2017 10:00:00 PM Stop Time: 9/1/2017 4:30:00 PM       |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 9/7/2017 15:05 Log Download - Used Battery: 17% Used Memory: 37% User Name: WMassoll Interval - Start Time: 8/31/2017 10:00:00 PM Stop Time: 9/7/2017 3:00:00 PM       |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 9/14/2017 9:04 Log Download - Used Battery: 18% Used Memory: 39% User Name: AVanHaitsma Interval - Start Time: 9/6/2017 10:00:00 PM Stop Time: 9/14/2017 10:00:00 AM   |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 9/21/2017 8:49 Log Download - Used Battery: 18% Used Memory: 39% User Name: AVanHaitsma Interval - Start Time: 9/13/2017 10:00:00 PM Stop Time: 9/21/2017 9:45:00 AM   |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 9/28/2017 14:10 Log Download - Used Battery: 18% Used Memory: 40% User Name: WMassoll Interval - Start Time: 9/20/2017 10:00:00 PM Stop Time: 9/28/2017 3:00:00 PM     |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 10/5/2017 15:04 Log Download - Used Battery: 19% Used Memory: 40% User Name: WMassoll Interval - Start Time: 10/5/2017 2:45:00 PM Stop Time: 10/5/2017 4:00:00 PM      |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 10/5/2017 15:06 Log Download - Used Battery: 19% Used Memory: 40% User Name: WMassoll Interval - Start Time: 8/31/2017 10:00:00 PM Stop Time: 10/5/2017 3:00:00 PM     |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 10/12/2017 8:58 Log Download - Used Battery: 19% Used Memory: 42% User Name: AVanHaitsma Interval - Start Time: 10/4/2017 10:00:00 PM Stop Time: 10/12/2017 9:45:00 AM |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 10/13/2017 8:31 User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll_2017-10-12_17-14-36-585.wsl""                                                |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Log Data:                                                                                                                                                              |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Record Count                                                                                                                                                           | 716                                                        |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Sensors                                                                                                                                                                |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 2                                                                                                                                                                      |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 469248 PCTD 100 PSIA (60.1m/197.3ft)                                                                                                                                   |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| 0 Baro-Adjustment Calc                                                                                                                                                 |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Time Zone: Pacific Daylight Time                                                                                                                                       |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Sensor: PCTD(A) 197.3ft                                                                                                                                                |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| SNR: 469248                                                                                                                                                            |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Corrected                                                                                                                                                              |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Pressure (PSI)                                                                                                                                                         |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
|                                                                                                                                                                        |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Sensor: PCTD(A) 197.3ft                                                                                                                                                |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| SNR: 469248                                                                                                                                                            |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Corrected                                                                                                                                                              |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Temperature (C)                                                                                                                                                        |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
|                                                                                                                                                                        |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Sensor: PCTD(A) 197.3ft                                                                                                                                                |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| SNR: 469248                                                                                                                                                            |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Corrected                                                                                                                                                              |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Depth (ft)                                                                                                                                                             |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
|                                                                                                                                                                        |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Sensor: PCTD(A) 197.3ft                                                                                                                                                |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| SNR: 469248                                                                                                                                                            |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Corrected                                                                                                                                                              |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Actual Conductivity (µS/cm)                                                                                                                                            |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
|                                                                                                                                                                        |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Sensor: PCTD(A) 197.3ft                                                                                                                                                |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| SNR: 469248                                                                                                                                                            |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Corrected                                                                                                                                                              |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Specific Conductivity (µS/cm)                                                                                                                                          |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
|                                                                                                                                                                        |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Sensor: PCTD(A) 197.3ft                                                                                                                                                |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| SNR: 469248                                                                                                                                                            |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Corrected                                                                                                                                                              |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Salinity (PSU)                                                                                                                                                         |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
|                                                                                                                                                                        |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Sensor: PCTD(A) 197.3ft                                                                                                                                                |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| SNR: 469248                                                                                                                                                            |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Corrected                                                                                                                                                              |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Total Dissolved Solids (ppt)                                                                                                                                           |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
|                                                                                                                                                                        |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Sensor: PCTD(A) 197.3ft                                                                                                                                                |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| SNR: 469248                                                                                                                                                            |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Corrected                                                                                                                                                              |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Resistivity (ohm-cm)                                                                                                                                                   |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
|                                                                                                                                                                        |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Sensor: PCTD(A) 197.3ft                                                                                                                                                |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| SNR: 469248                                                                                                                                                            |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Corrected                                                                                                                                                              |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Water Density (g/cm3)                                                                                                                                                  |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
|                                                                                                                                                                        |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Sensor: PCTD(A) 197.3ft                                                                                                                                                |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| SNR: 469248                                                                                                                                                            |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Corrected                                                                                                                                                              |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Barometric Pressure (PSI)                                                                                                                                              |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
|                                                                                                                                                                        |                                                            |                                                                       |                                                                        |                                                                   |                                                                                    |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |
| Date and Time                                                                                                                                                          | Elapsed Time<br>Seconds                                    | Sensor: PCTD(A) 197.3ft<br>SNR: 469248<br>Corrected<br>Pressure (PSI) | Sensor: PCTD(A) 197.3ft<br>SNR: 469248<br>Corrected<br>Temperature (C) | Sensor: PCTD(A) 197.3ft<br>SNR: 469248<br>Corrected<br>Depth (ft) | Sensor: PCTD(A) 197.3ft<br>SNR: 469248<br>Corrected<br>Actual Conductivity (µS/cm) | Sensor: PCTD(A) 197.3ft<br>SNR: 469248<br>Corrected<br>Specific Conductivity (µS/cm) | Sensor: PCTD(A) 197.3ft<br>SNR: 469248<br>Corrected<br>Salinity (PSU) | Sensor: PCTD(A) 197.3ft<br>SNR: 469248<br>Corrected<br>Total Dissolved Solids (ppt) | Sensor: PCTD(A) 197.3ft<br>SNR: 469248<br>Corrected<br>Resistivity (ohm-cm) | Sensor: PCTD(A) 197.3ft<br>SNR: 469248<br>Corrected<br>Water Density (g/cm3) | Sensor: PCTD(A) 197.3ft<br>SNR: 469248<br>Corrected<br>Barometric Pressure (PSI) |
| 10/5/2017 0:00                                                                                                                                                         | 7200                                                       | 68.993                                                                | 15.841                                                                 | 155.414                                                           | 42331.223                                                                          | 51306.293                                                                            | 33.791                                                                | 34.888                                                                              | 23.623                                                                      | 1.025                                                                        | 14.751                                                                           |
| 10/5/2017 0:15                                                                                                                                                         | 8100                                                       | 69.004                                                                | 15.84                                                                  | 155.439                                                           | 42310.039                                                                          | 51282.18                                                                             | 33.773                                                                | 34.872                                                                              | 23.635                                                                      | 1.025                                                                        | 14.749                                                                           |
| 10/5/2017 0:30                                                                                                                                                         | 9000                                                       | 68.994                                                                | 15.839                                                                 | 155.416                                                           | 42322.512                                                                          | 51225.301                                                                            | 33.772                                                                | 34.833                                                                              | 23.662                                                                      | 1.025                                                                        | 14.752                                                                           |
| 10/5/2017 0:45                                                                                                                                                         | 9900                                                       | 69.033                                                                | 15.838                                                                 | 155.504                                                           | 42296.051                                                                          | 51267.531                                                                            | 33.763                                                                | 34.862                                                                              | 23.643                                                                      | 1.025                                                                        | 14.745                                                                           |
| 10/5/2017 1:00                                                                                                                                                         | 10800                                                      | 69.051                                                                | 15.837                                                                 | 155.545                                                           | 42292.508                                                                          | 51264.164                                                                            | 33.76                                                                 | 34.86                                                                               | 23.645                                                                      | 1.025                                                                        | 14.737                                                                           |
| 10/5/2017 1:15                                                                                                                                                         | 11700                                                      | 69.048                                                                | 15.836                                                                 | 155.538                                                           | 42292.188                                                                          | 51265.77                                                                             | 33.761                                                                | 34.861                                                                              | 23.645                                                                      | 1.025                                                                        | 14.744                                                                           |
| 10/5/2017 1:30                                                                                                                                                         | 12600                                                      | 69.062                                                                | 15.834                                                                 | 155.569                                                           | 42275.379                                                                          | 51247.078                                                                            | 33.747                                                                | 34.848                                                                              | 23.654                                                                      | 1.025                                                                        | 14.743                                                                           |
| 10/5/2017 1:45                                                                                                                                                         | 13500                                                      | 69.063                                                                | 15.833                                                                 | 155.571                                                           | 42285.618                                                                          | 51261.246                                                                            | 33.759                                                                | 34.858                                                                              | 23.647                                                                      | 1.025                                                                        | 14.745                                                                           |
| 10/5/2017 2:00                                                                                                                                                         | 14400                                                      | 69.074                                                                | 15.832                                                                 | 155.596                                                           | 42310.906                                                                          | 51228.492                                                                            | 33.754                                                                | 34.835                                                                              | 23.663                                                                      | 1.025                                                                        | 14.738                                                                           |
| 10/5/2017 2:15                                                                                                                                                         | 15300                                                      | 69.081                                                                | 15.83                                                                  | 155.612                                                           | 42309.207                                                                          | 51292.797                                                                            | 33.781                                                                | 34.879                                                                              | 23.636                                                                      | 1.025                                                                        | 14.745                                                                           |
| 10/5/2017 2:30                                                                                                                                                         | 16200                                                      | 69.078                                                                | 15.83                                                                  | 155.605                                                           | 42268.5                                                                            | 51243.445                                                                            | 33.744                                                                | 34.846                                                                              | 23.658                                                                      | 1.025                                                                        | 14.746                                                                           |
| 10/5/2017 2:45                                                                                                                                                         | 17100                                                      | 69.088                                                                | 15.83                                                                  | 155.627                                                           | 42284.91                                                                           | 51263.113                                                                            | 33.759                                                                | 34.859                                                                              | 23.649                                                                      | 1.025                                                                        | 14.744                                                                           |
| 10/5/2017 3:00                                                                                                                                                         | 18000                                                      | 69.095                                                                | 15.832                                                                 | 155.643                                                           | 42302.438                                                                          | 51282.797                                                                            | 33.773                                                                | 34.872                                                                              | 23.639                                                                      | 1.025                                                                        | 14.739                                                                           |
| 10/5/2017 3:15                                                                                                                                                         | 18900                                                      | 69.093                                                                | 15.833                                                                 | 155.64                                                            | 42318.293                                                                          | 51300.563                                                                            | 33.786                                                                | 34.884                                                                              | 23.63                                                                       | 1.025                                                                        | 14.748                                                                           |
| 10/5/2017 3:30                                                                                                                                                         | 19800                                                      | 69.104                                                                | 15.834                                                                 | 155.664                                                           | 42324.324                                                                          | 51285.484                                                                            | 33.776                                                                | 34.874                                                                              | 23.636                                                                      | 1.025                                                                        | 14.736                                                                           |
| 10/5/2017 3:45                                                                                                                                                         | 20700                                                      | 69.112                                                                | 15.834                                                                 | 155.683                                                           | 42279.164                                                                          | 51252.074                                                                            | 33.751                                                                | 34.851                                                                              | 23.652                                                                      | 1.025                                                                        | 14.739                                                                           |
| 10/5/2017 4:00                                                                                                                                                         | 21600                                                      | 69.091                                                                | 15.835                                                                 | 155.634                                                           | 42311.047                                                                          | 51289.574                                                                            | 33.779                                                                | 34.877                                                                              | 23.634                                                                      | 1.025                                                                        | 14.739                                                                           |
| 10/5/2017 4:15                                                                                                                                                         | 22500                                                      | 69.111                                                                | 15.834                                                                 | 155.678                                                           | 42292.473                                                                          | 51267.582                                                                            | 33.762                                                                | 34.862                                                                              | 23.645                                                                      | 1.025                                                                        | 14.74                                                                            |
| 10/5/2017 4:30                                                                                                                                                         | 23400                                                      | 69.124                                                                | 15.835                                                                 | 155.709                                                           | 42311.18                                                                           | 51290.051                                                                            | 33.779                                                                | 34.877                                                                              | 23.634                                                                      | 1.025                                                                        | 14.737                                                                           |
| 10/5/2017 4:45                                                                                                                                                         | 24300                                                      | 69.13                                                                 | 15.835                                                                 | 155.723                                                           | 42289.871                                                                          | 51289.871                                                                            | 33.779                                                                | 34.877                                                                              | 23.634                                                                      | 1.025                                                                        | 14.739                                                                           |
| 10/5/2017 5:00                                                                                                                                                         | 25200                                                      | 69.138                                                                | 15.835                                                                 | 155.739                                                           | 42286.755                                                                          | 51286.755                                                                            | 33.767                                                                | 34.885                                                                              | 23.627                                                                      | 1.025                                                                        | 14.742                                                                           |
| 10/5/2017 5:15                                                                                                                                                         | 26100                                                      | 69.135                                                                | 15.834                                                                 | 155.733                                                           | 42321.129                                                                          | 51229.348                                                                            | 33.742                                                                | 34.843                                                                              | 23.658                                                                      | 1.025                                                                        | 14.741                                                                           |
| 10/5/2017 5:30                                                                                                                                                         | 27000                                                      | 69.147                                                                | 15.835                                                                 | 155.759                                                           | 42338.617                                                                          | 51322.996                                                                            | 33.803                                                                | 34.9                                                                                | 23.619                                                                      | 1.025                                                                        | 14.734                                                                           |
| 10/5/2017 5:45                                                                                                                                                         | 27900                                                      | 69.152                                                                | 15.834                                                                 | 155.771                                                           | 42284.191                                                                          | 51257.438                                                                            | 33.755                                                                | 34.855                                                                              | 23.649                                                                      | 1.025                                                                        | 14.74                                                                            |
| 10/5/2017 6:00                                                                                                                                                         | 28800                                                      | 69.16                                                                 | 15.835                                                                 | 155.789                                                           | 42294.082                                                                          | 51269.105                                                                            | 33.763                                                                | 34.863                                                                              | 23.644                                                                      | 1.025                                                                        | 14.737                                                                           |
| 10/5/2017 6:15                                                                                                                                                         | 29700                                                      | 69.166                                                                | 15.835                                                                 | 155.803                                                           | 42324.973                                                                          | 51305.938                                                                            | 33.791                                                                | 34.888                                                                              | 23.627                                                                      | 1.025                                                                        | 14.739                                                                           |
| 10/5/2017 6:30                                                                                                                                                         | 30600                                                      | 69.175                                                                | 15.836                                                                 | 155.823                                                           | 42308.535                                                                          | 51285.423                                                                            | 33.776                                                                | 34.874                                                                              | 23.636                                                                      | 1.025                                                                        | 14.736                                                                           |
| 10/5/2017 6:45                                                                                                                                                         | 31500                                                      | 69.188                                                                | 15.836                                                                 | 155.853                                                           | 42262.359                                                                          | 51229.466                                                                            | 33.734                                                                | 34.836                                                                              | 23.662                                                                      | 1.025                                                                        | 14.739                                                                           |
| 10/5/2017 7:00                                                                                                                                                         | 32400                                                      | 69.199                                                                | 15.836                                                                 | 155.877                                                           | td                                                                                 |                                                                                      |                                                                       |                                                                                     |                                                                             |                                                                              |                                                                                  |

|                 |        |        |        |         |           |           |        |        |        |       |        |
|-----------------|--------|--------|--------|---------|-----------|-----------|--------|--------|--------|-------|--------|
| 10/5/2017 21:00 | 82800  | 68.425 | 15.831 | 154.133 | 42274.027 | 51249.523 | 33.749 | 34.85  | 23.655 | 1.025 | 14.717 |
| 10/5/2017 21:15 | 83700  | 68.411 | 15.83  | 154.102 | 42282.84  | 51260.605 | 33.757 | 34.857 | 23.65  | 1.025 | 14.718 |
| 10/5/2017 21:30 | 84600  | 68.416 | 15.831 | 154.114 | 42287.945 | 51266.594 | 33.761 | 34.861 | 23.647 | 1.025 | 14.717 |
| 10/5/2017 21:45 | 85500  | 68.386 | 15.831 | 154.046 | 42303.48  | 51285.227 | 33.775 | 34.874 | 23.639 | 1.025 | 14.719 |
| 10/5/2017 22:00 | 86400  | 68.395 | 15.83  | 154.066 | 42275.949 | 51252.371 | 33.751 | 34.852 | 23.654 | 1.025 | 14.718 |
| 10/5/2017 22:15 | 87300  | 68.371 | 15.83  | 154.012 | 42294.332 | 51274.539 | 33.787 | 34.887 | 23.644 | 1.025 | 14.715 |
| 10/5/2017 22:30 | 88200  | 68.373 | 15.831 | 154.017 | 42299.551 | 51292.473 | 33.78  | 34.879 | 23.625 | 1.025 | 14.719 |
| 10/5/2017 22:45 | 89100  | 68.362 | 15.83  | 153.992 | 42288.406 | 51267.672 | 33.762 | 34.862 | 23.647 | 1.025 | 14.724 |
| 10/5/2017 23:00 | 90000  | 68.349 | 15.831 | 153.964 | 42227.664 | 51193.406 | 33.707 | 34.812 | 23.681 | 1.025 | 14.724 |
| 10/5/2017 23:15 | 90900  | 68.345 | 15.831 | 153.953 | 42282.41  | 51259.883 | 33.756 | 34.857 | 23.65  | 1.025 | 14.726 |
| 10/5/2017 23:30 | 91800  | 68.318 | 15.83  | 153.893 | 42281.234 | 51258.66  | 33.755 | 34.856 | 23.651 | 1.025 | 14.719 |
| 10/5/2017 23:45 | 92700  | 68.324 | 15.831 | 153.906 | 42280.867 | 51258.012 | 33.755 | 34.855 | 23.651 | 1.025 | 14.727 |
| 10/6/2017 0:00  | 93600  | 68.314 | 15.831 | 153.884 | 42277.586 | 51254.66  | 33.752 | 34.853 | 23.653 | 1.025 | 14.726 |
| 10/6/2017 0:15  | 94500  | 68.309 | 15.83  | 153.873 | 42244.383 | 51214.508 | 33.723 | 34.826 | 23.672 | 1.025 | 14.724 |
| 10/6/2017 0:30  | 95400  | 68.287 | 15.83  | 153.824 | 42284.332 | 51262.641 | 33.758 | 34.859 | 23.649 | 1.025 | 14.729 |
| 10/6/2017 0:45  | 96300  | 68.285 | 15.83  | 153.819 | 42244.832 | 51215.379 | 33.724 | 34.825 | 23.672 | 1.025 | 14.725 |
| 10/6/2017 1:00  | 97200  | 68.268 | 15.83  | 153.781 | 42235.453 | 51203.684 | 33.715 | 34.819 | 23.677 | 1.025 | 14.727 |
| 10/6/2017 1:15  | 98100  | 68.264 | 15.829 | 153.771 | 42294.906 | 51276.5   | 33.708 | 34.808 | 23.644 | 1.025 | 14.722 |
| 10/6/2017 1:30  | 99000  | 68.246 | 15.83  | 153.736 | 42290.941 | 51271.055 | 33.765 | 34.854 | 23.646 | 1.025 | 14.725 |
| 10/6/2017 1:45  | 99900  | 68.212 | 15.828 | 153.655 | 42265.891 | 51242.574 | 33.743 | 34.845 | 23.66  | 1.025 | 14.729 |
| 10/6/2017 2:00  | 100800 | 68.222 | 15.829 | 153.678 | 42281.832 | 51260.969 | 33.757 | 34.857 | 23.651 | 1.025 | 14.729 |
| 10/6/2017 2:15  | 101700 | 68.207 | 15.829 | 153.644 | 42263.746 | 51238.93  | 33.741 | 34.842 | 23.661 | 1.025 | 14.73  |
| 10/6/2017 2:30  | 102600 | 68.176 | 15.829 | 153.573 | 42287.617 | 51268.508 | 33.763 | 34.863 | 23.648 | 1.025 | 14.728 |
| 10/6/2017 2:45  | 103500 | 68.165 | 15.829 | 153.549 | 42286.652 | 51281.656 | 33.772 | 34.872 | 23.641 | 1.025 | 14.727 |
| 10/6/2017 3:00  | 104400 | 68.146 | 15.829 | 153.506 | 42274.203 | 51251.188 | 33.75  | 34.851 | 23.655 | 1.025 | 14.73  |
| 10/6/2017 3:15  | 105300 | 68.159 | 15.829 | 153.535 | 42283.945 | 51263.211 | 33.759 | 34.859 | 23.65  | 1.025 | 14.724 |
| 10/6/2017 3:30  | 106200 | 68.136 | 15.829 | 153.483 | 42262.18  | 51237.031 | 33.739 | 34.841 | 23.662 | 1.025 | 14.73  |
| 10/6/2017 3:45  | 107100 | 68.126 | 15.829 | 153.461 | 42275.129 | 51253.043 | 33.751 | 34.852 | 23.655 | 1.025 | 14.726 |
| 10/6/2017 4:00  | 108000 | 68.126 | 15.829 | 153.46  | 42253.672 | 51226.297 | 33.732 | 34.834 | 23.667 | 1.025 | 14.722 |
| 10/6/2017 4:15  | 108900 | 68.105 | 15.829 | 153.414 | 42253.195 | 51225.836 | 33.731 | 34.834 | 23.667 | 1.025 | 14.726 |
| 10/6/2017 4:30  | 109800 | 68.07  | 15.829 | 153.335 | 42203.043 | 51286.367 | 33.776 | 34.875 | 23.639 | 1.025 | 14.729 |
| 10/6/2017 4:45  | 110700 | 68.085 | 15.83  | 153.367 | 42222.047 | 51187.645 | 33.703 | 34.808 | 23.684 | 1.025 | 14.728 |
| 10/6/2017 5:00  | 111600 | 68.075 | 15.83  | 153.345 | 42283.441 | 51262.188 | 33.758 | 34.858 | 23.65  | 1.025 | 14.726 |
| 10/6/2017 5:15  | 112500 | 68.064 | 15.829 | 153.32  | 42224.32  | 51190.711 | 33.705 | 34.81  | 23.683 | 1.025 | 14.726 |
| 10/6/2017 5:30  | 113400 | 68.03  | 15.83  | 153.244 | 42274.91  | 51251.52  | 33.75  | 34.851 | 23.655 | 1.025 | 14.731 |
| 10/6/2017 5:45  | 114300 | 68.05  | 15.831 | 153.289 | 42267.199 | 51241.445 | 33.743 | 34.844 | 23.659 | 1.025 | 14.724 |
| 10/6/2017 6:00  | 115200 | 68.025 | 15.83  | 153.232 | 42276.441 | 51252.853 | 33.751 | 34.852 | 23.654 | 1.025 | 14.724 |
| 10/6/2017 6:15  | 116100 | 68.038 | 15.83  | 153.263 | 42274.691 | 51250.844 | 33.75  | 34.851 | 23.655 | 1.025 | 14.724 |
| 10/6/2017 6:30  | 117000 | 68.026 | 15.83  | 153.236 | 42282.297 | 51259.859 | 33.756 | 34.857 | 23.651 | 1.025 | 14.732 |
| 10/6/2017 6:45  | 117900 | 68.017 | 15.831 | 153.216 | 42247.352 | 51217.273 | 33.725 | 34.828 | 23.67  | 1.025 | 14.733 |
| 10/6/2017 7:00  | 118800 | 68.021 | 15.831 | 153.225 | 42272.883 | 51247.594 | 33.747 | 34.848 | 23.656 | 1.025 | 14.731 |
| 10/6/2017 7:15  | 119700 | 68.02  | 15.831 | 153.222 | 42297.508 | 51277.336 | 33.769 | 34.869 | 23.642 | 1.025 | 14.732 |
| 10/6/2017 7:30  | 120600 | 68.01  | 15.83  | 153.2   | 42242.598 | 51210.363 | 33.72  | 34.823 | 23.673 | 1.025 | 14.736 |
| 10/6/2017 7:45  | 121500 | 68.019 | 15.832 | 153.218 | 42277.656 | 51252.445 | 33.751 | 34.852 | 23.652 | 1.025 | 14.732 |
| 10/6/2017 8:00  | 122400 | 67.997 | 15.831 | 153.171 | 42263.84  | 51236.629 | 33.739 | 34.841 | 23.661 | 1.025 | 14.736 |
| 10/6/2017 8:15  | 123300 | 67.99  | 15.832 | 153.154 | 42283.23  | 51258.672 | 33.756 | 34.856 | 23.65  | 1.025 | 14.744 |
| 10/6/2017 8:30  | 124200 | 68.023 | 15.832 | 153.229 | 42262.945 | 51234.82  | 33.738 | 34.84  | 23.661 | 1.025 | 14.736 |
| 10/6/2017 8:45  | 125100 | 67.997 | 15.832 | 153.17  | 42257.285 | 51227.324 | 33.733 | 34.835 | 23.665 | 1.025 | 14.741 |
| 10/6/2017 9:00  | 126000 | 68.008 | 15.832 | 153.194 | 42280.625 | 51265.727 | 33.753 | 34.854 | 23.651 | 1.025 | 14.753 |
| 10/6/2017 9:15  | 126900 | 68.019 | 15.832 | 153.219 | 42257.688 | 51228.547 | 33.733 | 34.835 | 23.664 | 1.025 | 14.743 |
| 10/6/2017 9:30  | 127800 | 68.023 | 15.832 | 153.229 | 42275.734 | 51249.91  | 33.749 | 34.85  | 23.654 | 1.025 | 14.751 |
| 10/6/2017 9:45  | 128700 | 68.011 | 15.833 | 153.202 | 42307.184 | 51287.199 | 33.777 | 34.875 | 23.637 | 1.025 | 14.744 |
| 10/6/2017 10:00 | 129600 | 68.029 | 15.832 | 153.242 | 42281.578 | 51256.566 | 33.754 | 34.854 | 23.651 | 1.025 | 14.752 |
| 10/6/2017 10:15 | 130500 | 68.014 | 15.832 | 153.209 | 42283.223 | 51258.988 | 33.756 | 34.856 | 23.65  | 1.025 | 14.747 |
| 10/6/2017 10:30 | 131400 | 68.03  | 15.832 | 153.244 | 42259.754 | 51230.852 | 33.735 | 34.837 | 23.663 | 1.025 | 14.75  |
| 10/6/2017 10:45 | 132300 | 68.026 | 15.832 | 153.258 | 42255.922 | 51226.523 | 33.732 | 34.834 | 23.665 | 1.025 | 14.747 |
| 10/6/2017 11:00 | 133200 | 68.045 | 15.832 | 153.279 | 42292.508 | 51270.023 | 33.764 | 34.864 | 23.645 | 1.025 | 14.739 |
| 10/6/2017 11:15 | 134100 | 68.032 | 15.832 | 153.248 | 42259.418 | 51230.645 | 33.735 | 34.837 | 23.663 | 1.025 | 14.739 |
| 10/6/2017 11:30 | 135000 | 68.046 | 15.831 | 153.28  | 42254.961 | 51225.668 | 33.731 | 34.833 | 23.666 | 1.025 | 14.74  |
| 10/6/2017 11:45 | 135900 | 68.045 | 15.831 | 153.278 | 42243.48  | 51211.949 | 33.721 | 34.824 | 23.672 | 1.025 | 14.737 |
| 10/6/2017 12:00 | 136800 | 68.024 | 15.831 | 153.232 | 42276.91  | 51252.793 | 33.751 | 34.852 | 23.654 | 1.025 | 14.737 |
| 10/6/2017 12:15 | 137700 | 68.049 | 15.83  | 153.287 | 42290.59  | 51269.587 | 33.763 | 34.863 | 23.646 | 1.025 | 14.746 |
| 10/6/2017 12:30 | 138600 | 68.037 | 15.83  | 153.259 | 42246.941 | 51217.512 | 33.725 | 34.828 | 23.67  | 1.025 | 14.739 |
| 10/6/2017 12:45 | 139500 | 68.039 | 15.831 | 153.263 | 42259.238 | 51231.793 | 33.736 | 34.838 | 23.663 | 1.025 | 14.735 |
| 10/6/2017 13:00 | 140400 | 68.033 | 15.83  | 153.25  | 42261.668 | 51235.465 | 33.738 | 34.84  | 23.662 | 1.025 | 14.734 |
| 10/6/2017 13:15 | 141300 | 68.016 | 15.829 | 153.212 | 42267.844 | 51243.477 | 33.744 | 34.846 | 23.659 | 1.025 | 14.722 |
| 10/6/2017 13:30 | 142200 | 68.023 | 15.829 | 153.228 | 42255.25  | 51228.207 | 33.733 | 34.835 | 23.666 | 1.025 | 14.725 |
| 10/6/2017 13:45 | 143100 | 68.025 | 15.829 | 153.203 | 42255.371 | 51228.353 | 33.733 | 34.835 | 23.666 | 1.025 | 14.743 |
| 10/6/2017 14:00 | 144000 | 68.014 | 15.829 | 153.209 | 42269.098 | 51245.828 | 33.746 | 34.847 | 23.658 | 1.025 | 14.717 |
| 10/6/2017 14:15 | 144900 | 68.009 | 15.829 | 153.196 | 42255.73  | 51229.523 | 33.734 | 34.836 | 23.665 | 1.025 | 14.715 |
| 10/6/2017 14:30 | 145800 | 67.997 | 15.828 | 153.169 | 42239.914 | 51211.297 | 33.72  | 34.824 | 23.674 | 1.025 | 14.718 |
| 10/6/2017 14:45 | 146700 | 67.987 | 15.828 | 153.148 | 42243.98  | 51215.91  | 33.724 | 34.827 | 23.672 | 1.025 | 14.714 |
| 10/6/2017 15:00 | 147600 | 67.976 | 15.828 | 153.123 | 42250.07  | 51223.293 | 33.729 | 34.832 | 23.669 | 1.025 | 14.715 |
| 10/6/2017 15:15 | 148500 | 67.973 | 15.828 | 153.114 | 42268.516 | 51246.172 | 33.746 | 34.847 | 23.658 | 1.025 | 14.717 |
| 10/6/2017 15:30 | 149400 | 67.958 | 15.828 | 153.081 | 42265.309 | 51242.184 | 33.743 | 34.845 | 23.66  | 1.025 | 14.714 |
| 10/6/2017 15:45 | 150300 | 67.949 | 15.828 | 153.061 | 42272.086 | 51250.5   | 33.749 | 34.85  | 23.656 | 1.025 | 14.715 |
| 10/6/2017 16:00 | 151200 | 67.939 | 15.829 | 153.039 | 42247.219 | 51219.41  | 33.726 | 34.829 | 23.67  | 1.025 | 14.715 |
| 10/6/2017 16:15 | 152100 | 67.913 | 15.828 | 152.98  | 42274.121 | 51252.66  | 33.751 | 34.852 | 23.655 | 1.025 | 14.713 |
| 10/6/2017 16:30 | 153000 | 67.923 | 15.828 | 153.004 | 42275.484 | 51254.52  | 33.752 | 34.853 | 23.654 | 1.025 | 14.709 |
| 10/6/2017 16:45 | 153900 | 67.909 | 15.828 | 152.972 | 42274.516 | 51263.372 | 33.752 | 34.853 | 23.652 | 1.025 | 14.711 |
| 10/6/2017 17:00 | 154800 | 67.902 | 15.828 | 152.957 | 42287.906 | 51269.168 | 33.763 | 34.863 | 23.647 | 1.025 | 14.709 |
| 10/6/2017 17:15 | 155700 | 67.876 | 15.829 | 152.897 | 42206.063 | 51169.734 | 33.69  | 34.795 | 23.693 | 1.025 | 14.71  |
| 10/6/2017 17:30 | 156600 | 67.893 | 15.829 | 152.935 | 42260.348 | 51235.023 | 33.738 | 34.84  | 23.663 | 1     |        |

|                 |        |        |        |         |           |            |        |        |        |       |        |
|-----------------|--------|--------|--------|---------|-----------|------------|--------|--------|--------|-------|--------|
| 10/8/2017 1:45  | 272700 | 67.87  | 15.827 | 152.884 | 42257.199 | 51233.82   | 33.737 | 34.839 | 23.665 | 1.025 | 14.645 |
| 10/8/2017 2:00  | 273600 | 67.872 | 15.827 | 152.888 | 42258.879 | 51235.859  | 33.738 | 34.84  | 23.664 | 1.025 | 14.642 |
| 10/8/2017 2:15  | 274500 | 67.876 | 15.826 | 152.898 | 42277.086 | 51258.348  | 33.755 | 34.856 | 23.653 | 1.025 | 14.646 |
| 10/8/2017 2:30  | 275400 | 67.855 | 15.826 | 152.849 | 42285.973 | 51269.43   | 33.763 | 34.863 | 23.649 | 1.025 | 14.644 |
| 10/8/2017 2:45  | 276300 | 67.865 | 15.826 | 152.872 | 42229.055 | 51200.52   | 33.712 | 34.816 | 23.68  | 1.025 | 14.637 |
| 10/8/2017 3:00  | 277200 | 67.873 | 15.826 | 152.89  | 42259.738 | 51236.148  | 33.74  | 34.842 | 23.662 | 1.025 | 14.642 |
| 10/8/2017 3:15  | 278100 | 67.852 | 15.825 | 152.862 | 42257.816 | 51236.972  | 33.739 | 34.843 | 23.659 | 1.025 | 14.644 |
| 10/8/2017 3:30  | 279000 | 67.851 | 15.826 | 152.841 | 42243.594 | 51218.676  | 33.726 | 34.829 | 23.672 | 1.025 | 14.639 |
| 10/8/2017 3:45  | 279900 | 67.851 | 15.825 | 152.84  | 42202.035 | 51168.5    | 33.689 | 34.795 | 23.696 | 1.025 | 14.634 |
| 10/8/2017 4:00  | 280800 | 67.866 | 15.825 | 152.875 | 42231.207 | 51204.613  | 33.715 | 34.819 | 23.679 | 1.025 | 14.63  |
| 10/8/2017 4:15  | 281700 | 67.848 | 15.825 | 152.835 | 42655.668 | 51246.07   | 33.746 | 34.847 | 23.66  | 1.025 | 14.63  |
| 10/8/2017 4:30  | 282600 | 67.857 | 15.825 | 152.853 | 42244.46  | 51221.234  | 33.727 | 34.83  | 23.672 | 1.025 | 14.633 |
| 10/8/2017 4:45  | 283500 | 67.836 | 15.825 | 152.806 | 42240.441 | 51216.117  | 33.724 | 34.827 | 23.674 | 1.025 | 14.633 |
| 10/8/2017 5:00  | 284400 | 67.853 | 15.825 | 152.845 | 42254.746 | 51232.828  | 33.736 | 34.838 | 23.666 | 1.025 | 14.639 |
| 10/8/2017 5:15  | 285300 | 67.855 | 15.825 | 152.85  | 42244.555 | 51220.898  | 33.727 | 34.83  | 23.672 | 1.025 | 14.624 |
| 10/8/2017 5:30  | 286200 | 67.821 | 15.824 | 152.774 | 42251.566 | 51229.926  | 33.734 | 34.836 | 23.668 | 1.025 | 14.632 |
| 10/8/2017 5:45  | 287100 | 67.848 | 15.824 | 152.834 | 42240.523 | 51216.84   | 33.724 | 34.827 | 23.674 | 1.025 | 14.627 |
| 10/8/2017 6:00  | 288000 | 67.826 | 15.825 | 152.785 | 42262.664 | 51242.855  | 33.743 | 34.845 | 23.662 | 1.025 | 14.631 |
| 10/8/2017 6:15  | 288900 | 67.852 | 15.825 | 152.797 | 42264.418 | 51245.078  | 33.745 | 34.847 | 23.661 | 1.025 | 14.637 |
| 10/8/2017 6:30  | 289800 | 67.816 | 15.825 | 152.762 | 42235.602 | 51209.941  | 33.719 | 34.823 | 23.677 | 1.025 | 14.631 |
| 10/8/2017 6:45  | 290700 | 67.81  | 15.825 | 152.749 | 42259.238 | 51238.91   | 33.74  | 34.842 | 23.663 | 1.025 | 14.636 |
| 10/8/2017 7:00  | 291600 | 67.805 | 15.825 | 152.738 | 42269.84  | 51251.555  | 33.75  | 34.851 | 23.658 | 1.025 | 14.637 |
| 10/8/2017 7:15  | 292500 | 67.827 | 15.824 | 152.787 | 42259.637 | 51239.59   | 33.741 | 34.843 | 23.663 | 1.025 | 14.633 |
| 10/8/2017 7:30  | 293400 | 67.83  | 15.825 | 152.795 | 42281.301 | 51265.125  | 33.76  | 34.86  | 23.651 | 1.025 | 14.631 |
| 10/8/2017 7:45  | 294300 | 67.818 | 15.825 | 152.767 | 42273.949 | 51265.339  | 33.753 | 34.854 | 23.655 | 1.025 | 14.636 |
| 10/8/2017 8:00  | 295200 | 67.825 | 15.825 | 152.782 | 42217.574 | 51187.66   | 33.703 | 34.808 | 23.687 | 1.025 | 14.634 |
| 10/8/2017 8:15  | 296100 | 67.813 | 15.825 | 152.756 | 42248.555 | 51225.648  | 33.731 | 34.833 | 23.669 | 1.025 | 14.632 |
| 10/8/2017 8:30  | 297000 | 67.829 | 15.825 | 152.791 | 42262.129 | 51242.207  | 33.743 | 34.845 | 23.662 | 1.025 | 14.639 |
| 10/8/2017 8:45  | 297900 | 67.833 | 15.825 | 152.801 | 42210.488 | 51179.492  | 33.697 | 34.802 | 23.691 | 1.025 | 14.64  |
| 10/8/2017 9:00  | 298800 | 67.843 | 15.825 | 152.823 | 42248.137 | 51224.598  | 33.73  | 34.833 | 23.67  | 1.025 | 14.639 |
| 10/8/2017 9:15  | 299700 | 67.849 | 15.825 | 152.835 | 42247.352 | 51224.188  | 33.73  | 34.832 | 23.67  | 1.025 | 14.64  |
| 10/8/2017 9:30  | 300600 | 67.834 | 15.825 | 152.803 | 42272.477 | 51254.535  | 33.752 | 34.853 | 23.656 | 1.025 | 14.639 |
| 10/8/2017 9:45  | 301500 | 67.853 | 15.825 | 152.845 | 42259.531 | 51238.73   | 33.74  | 34.842 | 23.663 | 1.025 | 14.644 |
| 10/8/2017 10:00 | 302400 | 67.864 | 15.824 | 152.87  | 42252.93  | 51231.461  | 33.735 | 34.837 | 23.667 | 1.025 | 14.636 |
| 10/8/2017 10:15 | 303300 | 67.871 | 15.824 | 152.886 | 42267.594 | 51249.359  | 33.748 | 34.85  | 23.659 | 1.025 | 14.637 |
| 10/8/2017 10:30 | 304200 | 67.887 | 15.825 | 152.922 | 42250.727 | 51228.477  | 33.733 | 34.835 | 23.668 | 1.025 | 14.629 |
| 10/8/2017 10:45 | 305100 | 67.872 | 15.824 | 152.889 | 42246.879 | 51242.422  | 33.73  | 34.832 | 23.67  | 1.025 | 14.632 |
| 10/8/2017 11:00 | 306000 | 67.896 | 15.824 | 152.943 | 42249.84  | 51227.93   | 33.732 | 34.835 | 23.669 | 1.025 | 14.635 |
| 10/8/2017 11:15 | 306900 | 67.897 | 15.824 | 152.944 | 42280.691 | 51265.754  | 33.76  | 34.861 | 23.651 | 1.025 | 14.627 |
| 10/8/2017 11:30 | 307800 | 67.919 | 15.824 | 152.995 | 42280.047 | 51265.078  | 33.76  | 34.86  | 23.652 | 1.025 | 14.63  |
| 10/8/2017 11:45 | 308700 | 67.911 | 15.823 | 152.976 | 42253.246 | 51233.41   | 33.736 | 34.839 | 23.667 | 1.025 | 14.626 |
| 10/8/2017 12:00 | 309600 | 67.922 | 15.823 | 153.001 | 42239.027 | 51216.383  | 33.724 | 34.827 | 23.675 | 1.025 | 14.632 |
| 10/8/2017 12:15 | 310500 | 67.942 | 15.823 | 153.045 | 42248.039 | 51226.146  | 33.732 | 34.835 | 23.672 | 1.025 | 14.635 |
| 10/8/2017 12:30 | 311400 | 67.934 | 15.822 | 153.028 | 42240.242 | 51218.699  | 33.725 | 34.829 | 23.674 | 1.025 | 14.63  |
| 10/8/2017 12:45 | 312300 | 67.959 | 15.822 | 153.083 | 42255.563 | 51237.277  | 33.739 | 34.841 | 23.666 | 1.025 | 14.628 |
| 10/8/2017 13:00 | 313200 | 67.944 | 15.821 | 153.05  | 42237.527 | 51216.656  | 33.724 | 34.827 | 23.676 | 1.025 | 14.629 |
| 10/8/2017 13:15 | 314100 | 67.965 | 15.821 | 153.098 | 42224.969 | 51201.746  | 33.713 | 34.817 | 23.683 | 1.025 | 14.623 |
| 10/8/2017 13:30 | 315000 | 67.976 | 15.82  | 153.123 | 42207.277 | 51180.809  | 33.697 | 34.803 | 23.693 | 1.025 | 14.62  |
| 10/8/2017 13:45 | 315900 | 67.996 | 15.82  | 153.161 | 42226.465 | 51216.309  | 33.724 | 34.827 | 23.676 | 1.025 | 14.63  |
| 10/8/2017 14:00 | 316800 | 67.956 | 15.819 | 153.079 | 42252.082 | 51236.297  | 33.738 | 34.841 | 23.667 | 1.025 | 14.623 |
| 10/8/2017 14:15 | 317700 | 67.979 | 15.819 | 153.13  | 42261.211 | 51248.309  | 33.747 | 34.849 | 23.662 | 1.025 | 14.619 |
| 10/8/2017 14:30 | 318600 | 67.985 | 15.819 | 153.142 | 42234.48  | 51215.793  | 33.723 | 34.827 | 23.677 | 1.025 | 14.617 |
| 10/8/2017 14:45 | 319500 | 67.97  | 15.818 | 153.109 | 42229.277 | 51210.102  | 33.719 | 34.823 | 23.68  | 1.025 | 14.613 |
| 10/8/2017 15:00 | 320400 | 67.964 | 15.817 | 153.095 | 42254.387 | 51242.227  | 33.742 | 34.845 | 23.666 | 1.025 | 14.607 |
| 10/8/2017 15:15 | 321300 | 67.959 | 15.817 | 153.084 | 42250.805 | 51237.32   | 33.739 | 34.841 | 23.668 | 1.025 | 14.613 |
| 10/8/2017 15:30 | 322200 | 67.956 | 15.817 | 153.077 | 42266.309 | 51256.477  | 33.753 | 34.854 | 23.66  | 1.025 | 14.614 |
| 10/8/2017 15:45 | 323100 | 67.957 | 15.816 | 153.081 | 42252.781 | 51240.703  | 33.741 | 34.844 | 23.667 | 1.025 | 14.608 |
| 10/8/2017 16:00 | 324000 | 67.951 | 15.816 | 153.066 | 42265.984 | 51257.43   | 33.753 | 34.855 | 23.66  | 1.025 | 14.608 |
| 10/8/2017 16:15 | 324900 | 67.94  | 15.816 | 153.041 | 42235.414 | 51220.355  | 33.726 | 34.83  | 23.677 | 1.025 | 14.611 |
| 10/8/2017 16:30 | 325800 | 67.956 | 15.816 | 153.077 | 42256.391 | 51245.496  | 33.745 | 34.847 | 23.665 | 1.025 | 14.607 |
| 10/8/2017 16:45 | 326700 | 67.927 | 15.816 | 153.012 | 42255.512 | 51220.277  | 33.726 | 34.83  | 23.677 | 1.025 | 14.611 |
| 10/8/2017 17:00 | 327600 | 67.927 | 15.815 | 153.034 | 42250.961 | 51219.863  | 33.74  | 34.843 | 23.668 | 1.025 | 14.628 |
| 10/8/2017 17:15 | 328500 | 67.933 | 15.816 | 153.025 | 42248.344 | 51236.363  | 33.738 | 34.841 | 23.67  | 1.025 | 14.611 |
| 10/8/2017 17:30 | 329400 | 67.91  | 15.816 | 152.974 | 42250.176 | 51238.379  | 33.739 | 34.842 | 23.669 | 1.025 | 14.606 |
| 10/8/2017 17:45 | 330300 | 67.9   | 15.816 | 152.951 | 42260.309 | 51250.246  | 33.748 | 34.85  | 23.663 | 1.025 | 14.612 |
| 10/8/2017 18:00 | 331200 | 67.92  | 15.816 | 152.997 | 42225.344 | 51208.145  | 33.717 | 34.822 | 23.682 | 1.025 | 14.602 |
| 10/8/2017 18:15 | 332100 | 67.889 | 15.815 | 152.926 | 42222.105 | 51205.594  | 33.715 | 34.82  | 23.684 | 1.025 | 14.609 |
| 10/8/2017 18:30 | 333000 | 67.925 | 15.816 | 152.967 | 42251.336 | 51239.867  | 33.741 | 34.843 | 23.668 | 1.025 | 14.605 |
| 10/8/2017 18:45 | 333900 | 67.88  | 15.816 | 152.907 | 42271.871 | 51264.688  | 33.759 | 34.86  | 23.656 | 1.025 | 14.605 |
| 10/8/2017 19:00 | 334800 | 67.867 | 15.816 | 152.878 | 42200.563 | 51178.418  | 33.695 | 34.801 | 23.696 | 1.025 | 14.615 |
| 10/8/2017 19:15 | 335700 | 67.866 | 15.816 | 152.875 | 42251.996 | 51240.379  | 33.741 | 34.843 | 23.668 | 1.025 | 14.611 |
| 10/8/2017 19:30 | 336600 | 67.865 | 15.816 | 152.873 | 42250.168 | 51238.16   | 33.739 | 34.842 | 23.669 | 1.025 | 14.614 |
| 10/8/2017 19:45 | 337500 | 67.846 | 15.816 | 152.829 | 42258.379 | 51247.906  | 33.746 | 34.849 | 23.664 | 1.025 | 14.616 |
| 10/8/2017 20:00 | 338400 | 67.843 | 15.816 | 152.822 | 42252.742 | 51240.852  | 33.741 | 34.844 | 23.667 | 1.025 | 14.615 |
| 10/8/2017 20:15 | 339300 | 67.837 | 15.816 | 152.809 | 42258.191 | 51247.363  | 33.746 | 34.848 | 23.664 | 1.025 | 14.616 |
| 10/8/2017 20:30 | 340200 | 67.863 | 15.817 | 152.867 | 42265.336 | 51255.391  | 33.752 | 34.854 | 23.66  | 1.025 | 14.611 |
| 10/8/2017 20:45 | 341100 | 67.844 | 15.818 | 152.824 | 42239.188 | 51222.652  | 33.728 | 34.831 | 23.675 | 1.025 | 14.606 |
| 10/8/2017 21:00 | 342000 | 67.835 | 15.817 | 152.804 | 42246.16  | 51231.422  | 33.734 | 34.837 | 23.671 | 1.025 | 14.611 |
| 10/8/2017 21:15 | 342900 | 67.835 | 15.818 | 152.805 | 42243.461 | 51227.609  | 33.732 | 34.835 | 23.672 | 1.025 | 14.612 |
| 10/8/2017 21:30 | 343800 | 67.832 | 15.818 | 152.852 | 42261.449 | 51240.292  | 33.749 | 34.85  | 23.662 | 1.025 | 14.614 |
| 10/8/2017 21:45 | 344700 | 67.834 | 15.818 | 152.803 | 42250.184 | 51235.875  | 33.738 | 34.84  | 23.669 | 1.025 | 14.612 |
| 10/8/2017 22:00 | 345600 | 67.849 | 15.818 | 152.836 | 42266.051 | 51254.602  | 33.752 | 34.853 | 23.66  | 1.025 | 14.615 |
| 10/8/2017 22:15 | 346500 | 67.827 | 15.818 | 152.787 | 42260.809 | 51248.02</ |        |        |        |       |        |

|                  |        |        |        |         |           |           |        |        |        |       |        |
|------------------|--------|--------|--------|---------|-----------|-----------|--------|--------|--------|-------|--------|
| 10/10/2017 6:30  | 462600 | 67.895 | 15.812 | 152.941 | 42235.039 | 51224.934 | 33.729 | 34.833 | 23.677 | 1.025 | 14.686 |
| 10/10/2017 6:45  | 463500 | 67.891 | 15.811 | 152.931 | 42236.805 | 51227.703 | 33.731 | 34.835 | 23.676 | 1.025 | 14.689 |
| 10/10/2017 7:00  | 464400 | 67.885 | 15.812 | 152.918 | 42265.656 | 51262.07  | 33.757 | 34.858 | 23.66  | 1.025 | 14.696 |
| 10/10/2017 7:15  | 465300 | 67.887 | 15.812 | 152.922 | 42211.258 | 51196.211 | 33.708 | 34.813 | 23.69  | 1.025 | 14.695 |
| 10/10/2017 7:30  | 466200 | 67.878 | 15.812 | 152.902 | 42219.953 | 51206.539 | 33.716 | 34.82  | 23.685 | 1.025 | 14.693 |
| 10/10/2017 7:45  | 467100 | 67.877 | 15.811 | 152.9   | 42248.789 | 51241.93  | 33.742 | 34.845 | 23.669 | 1.025 | 14.695 |
| 10/10/2017 8:00  | 468000 | 67.887 | 15.811 | 152.922 | 42230.648 | 51219.026 | 33.725 | 34.83  | 23.679 | 1.025 | 14.688 |
| 10/10/2017 8:15  | 468900 | 67.882 | 15.812 | 152.911 | 42227.957 | 51216.039 | 33.723 | 34.827 | 23.681 | 1.025 | 14.689 |
| 10/10/2017 8:30  | 469800 | 67.879 | 15.812 | 152.904 | 42258.035 | 51252.727 | 33.75  | 34.852 | 23.664 | 1.025 | 14.698 |
| 10/10/2017 8:45  | 470700 | 67.875 | 15.812 | 152.896 | 42246.484 | 51238.934 | 33.739 | 34.842 | 23.671 | 1.025 | 14.697 |
| 10/10/2017 9:00  | 471600 | 67.87  | 15.812 | 152.884 | 42244.379 | 51235.32  | 33.737 | 34.84  | 23.672 | 1.025 | 14.7   |
| 10/10/2017 9:15  | 472500 | 67.879 | 15.812 | 152.905 | 42243.718 | 51235.078 | 33.737 | 34.84  | 23.672 | 1.025 | 14.701 |
| 10/10/2017 9:30  | 473400 | 67.872 | 15.811 | 152.888 | 42241.461 | 51233.148 | 33.735 | 34.839 | 23.673 | 1.025 | 14.7   |
| 10/10/2017 9:45  | 474300 | 67.877 | 15.812 | 152.899 | 42261.121 | 51256.262 | 33.752 | 34.854 | 23.662 | 1.025 | 14.699 |
| 10/10/2017 10:00 | 475200 | 67.884 | 15.813 | 152.915 | 42243.52  | 51234.07  | 33.736 | 34.839 | 23.672 | 1.025 | 14.693 |
| 10/10/2017 10:15 | 476100 | 67.881 | 15.813 | 152.909 | 42209.789 | 51193.063 | 33.706 | 34.811 | 23.691 | 1.025 | 14.697 |
| 10/10/2017 10:30 | 477000 | 67.9   | 15.812 | 152.952 | 42284.332 | 51284.293 | 33.773 | 34.873 | 23.649 | 1.025 | 14.696 |
| 10/10/2017 10:45 | 477900 | 67.888 | 15.812 | 152.924 | 42251.789 | 51244.727 | 33.744 | 34.846 | 23.668 | 1.025 | 14.7   |
| 10/10/2017 11:00 | 478800 | 67.892 | 15.812 | 152.952 | 42230.937 | 51219.316 | 33.725 | 34.829 | 23.679 | 1.025 | 14.698 |
| 10/10/2017 11:15 | 479700 | 67.898 | 15.812 | 152.946 | 42221.984 | 51208.277 | 33.717 | 34.822 | 23.684 | 1.025 | 14.699 |
| 10/10/2017 11:30 | 480600 | 67.92  | 15.812 | 152.996 | 42262.273 | 51257.656 | 33.753 | 34.855 | 23.662 | 1.025 | 14.698 |
| 10/10/2017 11:45 | 481500 | 67.926 | 15.812 | 153.011 | 42229.867 | 51218.781 | 33.725 | 34.829 | 23.68  | 1.025 | 14.699 |
| 10/10/2017 12:00 | 482400 | 67.933 | 15.812 | 153.025 | 42224.777 | 51212.605 | 33.72  | 34.825 | 23.683 | 1.025 | 14.698 |
| 10/10/2017 12:15 | 483300 | 67.922 | 15.811 | 153.002 | 42273.836 | 51272.207 | 33.764 | 34.865 | 23.655 | 1.025 | 14.697 |
| 10/10/2017 12:30 | 484200 | 67.925 | 15.811 | 153.008 | 42245.027 | 51227.992 | 33.739 | 34.842 | 23.671 | 1.025 | 14.7   |
| 10/10/2017 12:45 | 485100 | 67.945 | 15.811 | 153.053 | 42224.855 | 51213.316 | 33.721 | 34.825 | 23.683 | 1.025 | 14.692 |
| 10/10/2017 13:00 | 486000 | 67.947 | 15.811 | 153.057 | 42255.113 | 51250.227 | 33.748 | 34.85  | 23.666 | 1.025 | 14.694 |
| 10/10/2017 13:15 | 486900 | 67.953 | 15.81  | 153.07  | 42250.656 | 51245.563 | 33.744 | 34.847 | 23.668 | 1.025 | 14.697 |
| 10/10/2017 13:30 | 487800 | 67.966 | 15.81  | 153.1   | 42281.402 | 51282.734 | 33.772 | 34.872 | 23.651 | 1.025 | 14.69  |
| 10/10/2017 13:45 | 488700 | 67.972 | 15.81  | 153.114 | 42239.707 | 51232.48  | 33.735 | 34.838 | 23.674 | 1.025 | 14.686 |
| 10/10/2017 14:00 | 489600 | 67.992 | 15.81  | 153.158 | 42220.746 | 51210.068 | 33.718 | 34.823 | 23.685 | 1.025 | 14.695 |
| 10/10/2017 14:15 | 490500 | 67.973 | 15.809 | 153.115 | 42274.758 | 51275.617 | 33.766 | 34.867 | 23.655 | 1.025 | 14.688 |
| 10/10/2017 14:30 | 491400 | 67.993 | 15.809 | 153.16  | 42229.602 | 51221.273 | 33.726 | 34.83  | 23.68  | 1.025 | 14.685 |
| 10/10/2017 14:45 | 492300 | 67.991 | 15.809 | 153.157 | 42257.422 | 51255.641 | 33.752 | 34.854 | 23.664 | 1.025 | 14.686 |
| 10/10/2017 15:00 | 493200 | 67.992 | 15.808 | 153.158 | 42225.98  | 51217.824 | 33.724 | 34.828 | 23.682 | 1.025 | 14.687 |
| 10/10/2017 15:15 | 494100 | 67.999 | 15.808 | 153.175 | 42196.375 | 51182.336 | 33.698 | 34.804 | 23.699 | 1.025 | 14.682 |
| 10/10/2017 15:30 | 495000 | 68.001 | 15.807 | 153.18  | 42223.105 | 51215.898 | 33.722 | 34.827 | 23.684 | 1.025 | 14.685 |
| 10/10/2017 15:45 | 495900 | 67.997 | 15.807 | 153.169 | 42246.012 | 51243.895 | 33.743 | 34.846 | 23.671 | 1.025 | 14.691 |
| 10/10/2017 16:00 | 496800 | 68.004 | 15.807 | 153.185 | 42197.184 | 51184.887 | 33.699 | 34.806 | 23.698 | 1.025 | 14.683 |
| 10/10/2017 16:15 | 497700 | 67.995 | 15.807 | 153.166 | 42250.262 | 51249.367 | 33.747 | 34.85  | 23.668 | 1.025 | 14.687 |
| 10/10/2017 16:30 | 498600 | 67.994 | 15.806 | 153.164 | 42255.805 | 51257.141 | 33.752 | 34.855 | 23.665 | 1.025 | 14.69  |
| 10/10/2017 16:45 | 499500 | 67.997 | 15.806 | 153.17  | 42217.645 | 51210.754 | 33.718 | 34.823 | 23.687 | 1.025 | 14.69  |
| 10/10/2017 17:00 | 500400 | 67.990 | 15.805 | 153.156 | 42245.963 | 51246.125 | 33.744 | 34.847 | 23.671 | 1.025 | 14.699 |
| 10/10/2017 17:15 | 501300 | 67.985 | 15.805 | 153.143 | 42258.223 | 51260.488 | 33.755 | 34.857 | 23.664 | 1.025 | 14.689 |
| 10/10/2017 17:30 | 502200 | 67.988 | 15.805 | 153.149 | 42214.262 | 51207.047 | 33.716 | 34.821 | 23.689 | 1.025 | 14.683 |
| 10/10/2017 17:45 | 503100 | 67.982 | 15.805 | 153.137 | 42230.148 | 51227.168 | 33.73  | 34.834 | 23.68  | 1.025 | 14.685 |
| 10/10/2017 18:00 | 504000 | 67.975 | 15.805 | 153.121 | 42229.93  | 51226.168 | 33.73  | 34.834 | 23.68  | 1.025 | 14.689 |
| 10/10/2017 18:15 | 504900 | 67.988 | 15.805 | 153.15  | 42246.395 | 51246.453 | 33.745 | 34.848 | 23.671 | 1.025 | 14.687 |
| 10/10/2017 18:30 | 505800 | 67.96  | 15.804 | 153.087 | 42229.09  | 51226.816 | 33.73  | 34.834 | 23.68  | 1.025 | 14.688 |
| 10/10/2017 18:45 | 506700 | 67.956 | 15.805 | 153.078 | 42253.582 | 51255.594 | 33.751 | 34.854 | 23.667 | 1.025 | 14.687 |
| 10/10/2017 19:00 | 507600 | 67.947 | 15.805 | 153.058 | 42238.051 | 51236.133 | 33.737 | 34.841 | 23.675 | 1.025 | 14.688 |
| 10/10/2017 19:15 | 508500 | 67.932 | 15.805 | 153.023 | 42218.43  | 51212.953 | 33.72  | 34.825 | 23.686 | 1.025 | 14.693 |
| 10/10/2017 19:30 | 509400 | 67.926 | 15.805 | 153.009 | 42258.348 | 51261.27  | 33.755 | 34.858 | 23.664 | 1.025 | 14.692 |
| 10/10/2017 19:45 | 510300 | 67.918 | 15.804 | 152.991 | 42253.262 | 51255.523 | 33.751 | 34.854 | 23.667 | 1.025 | 14.696 |
| 10/10/2017 20:00 | 511200 | 67.909 | 15.805 | 152.972 | 42211.461 | 51203.879 | 33.713 | 34.819 | 23.69  | 1.025 | 14.691 |
| 10/10/2017 20:15 | 512100 | 67.905 | 15.806 | 152.963 | 42230.137 | 51225.906 | 33.729 | 34.834 | 23.68  | 1.025 | 14.689 |
| 10/10/2017 20:30 | 513000 | 67.882 | 15.806 | 152.911 | 42264.871 | 51267.715 | 33.76  | 34.862 | 23.66  | 1.025 | 14.701 |
| 10/10/2017 20:45 | 513900 | 67.884 | 15.806 | 152.916 | 42250.742 | 51250.047 | 33.747 | 34.85  | 23.668 | 1.025 | 14.693 |
| 10/10/2017 21:00 | 514800 | 67.877 | 15.807 | 152.898 | 42191.293 | 51177.313 | 33.694 | 34.801 | 23.702 | 1.025 | 14.691 |
| 10/10/2017 21:15 | 515700 | 67.864 | 15.808 | 152.87  | 42229.059 | 51222.293 | 33.727 | 34.831 | 23.68  | 1.025 | 14.694 |
| 10/10/2017 21:30 | 516600 | 67.854 | 15.807 | 152.848 | 42230.09  | 51224.684 | 33.729 | 34.833 | 23.68  | 1.025 | 14.696 |
| 10/10/2017 21:45 | 517500 | 67.871 | 15.808 | 152.887 | 42222.586 | 51244.487 | 33.721 | 34.826 | 23.684 | 1.025 | 14.695 |
| 10/10/2017 22:00 | 518400 | 67.864 | 15.807 | 152.871 | 42254.285 | 51253.523 | 33.75  | 34.852 | 23.666 | 1.025 | 14.696 |
| 10/10/2017 22:15 | 519300 | 67.84  | 15.808 | 152.816 | 42230.207 | 51223.473 | 33.728 | 34.832 | 23.68  | 1.025 | 14.696 |
| 10/10/2017 22:30 | 520200 | 67.836 | 15.808 | 152.806 | 42215.563 | 51205.609 | 33.715 | 34.82  | 23.688 | 1.025 | 14.699 |
| 10/10/2017 22:45 | 521100 | 67.849 | 15.809 | 152.837 | 42253.758 | 51250.145 | 33.748 | 34.85  | 23.667 | 1.025 | 14.701 |
| 10/10/2017 23:00 | 522000 | 67.832 | 15.809 | 152.798 | 42233.34  | 51226.125 | 33.73  | 34.834 | 23.678 | 1.025 | 14.703 |
| 10/10/2017 23:15 | 522900 | 67.824 | 15.81  | 152.78  | 42221.969 | 51219.683 | 33.719 | 34.823 | 23.684 | 1.025 | 14.705 |
| 10/10/2017 23:30 | 523800 | 67.814 | 15.81  | 152.757 | 42233.305 | 51225.242 | 33.729 | 34.833 | 23.678 | 1.025 | 14.706 |
| 10/10/2017 23:45 | 524700 | 67.838 | 15.81  | 152.813 | 42244.176 | 51238.207 | 33.739 | 34.842 | 23.672 | 1.025 | 14.702 |
| 10/11/2017 0:00  | 525600 | 67.814 | 15.81  | 152.757 | 42234.809 | 51226.648 | 33.73  | 34.834 | 23.677 | 1.025 | 14.703 |
| 10/11/2017 0:15  | 526500 | 67.817 | 15.811 | 152.764 | 42202.883 | 51186.984 | 33.701 | 34.807 | 23.695 | 1.025 | 14.704 |
| 10/11/2017 0:30  | 527400 | 67.817 | 15.811 | 152.764 | 42247.742 | 51241.285 | 33.741 | 34.844 | 23.67  | 1.025 | 14.705 |
| 10/11/2017 0:45  | 528300 | 67.817 | 15.811 | 152.764 | 42238.234 | 51219.654 | 33.732 | 34.836 | 23.675 | 1.025 | 14.702 |
| 10/11/2017 1:00  | 529200 | 67.816 | 15.812 | 152.763 | 42228.16  | 51216.285 | 33.723 | 34.827 | 23.681 | 1.025 | 14.702 |
| 10/11/2017 1:15  | 530100 | 67.817 | 15.812 | 152.765 | 42228.047 | 51215.633 | 33.722 | 34.827 | 23.681 | 1.025 | 14.703 |
| 10/11/2017 1:30  | 531000 | 67.816 | 15.812 | 152.762 | 42238.676 | 51229.039 | 33.732 | 34.836 | 23.675 | 1.025 | 14.706 |
| 10/11/2017 1:45  | 531900 | 67.821 | 15.812 | 152.773 | 42234.039 | 51222.898 | 33.728 | 34.832 | 23.678 | 1.025 | 14.699 |
| 10/11/2017 2:00  | 532800 | 67.818 | 15.813 | 152.766 | 42252.965 | 51245.426 | 33.744 | 34.847 | 23.667 | 1.025 | 14.702 |
| 10/11/2017 2:15  | 533700 | 67.845 | 15.812 | 152.827 | 42244.359 | 51235.227 | 33.737 | 34.84  | 23.672 | 1.025 | 14.695 |
| 10/11/2017 2:30  | 534600 | 67.824 | 15.812 | 152.781 | 42229.66  | 51217.469 | 33.724 | 34.828 | 23.68  | 1.025 | 14.701 |
| 10/11/2017 2:45  | 535500 | 67.843 | 15.812 | 152.824 | 42211.266 | 51195.578 | 33.708 | 34.813 | 23.69  | 1.025 | 14.701 |
| 10/1             |        |        |        |         |           |           |        |        |        |       |        |

Report Date: 10/13/2017 8:35  
Report User Name: WMassoll  
Report Computer Name: WKST52  
Application: WinSitu.exe  
Application Version: 5.6.27.1

## Log File Properties

File Name MPWSP MW-1S LT Test\_2017-10-12\_09-01-08-121.wsl  
Create Date 10/12/2017 9:01

## Device Properties

|                  |                |        |                |
|------------------|----------------|--------|----------------|
| Device           | Aqua TROLL 200 |        |                |
| Site             | MPWSP MW-15    |        |                |
| Device Name      |                |        |                |
| Serial Number    | 421436         |        |                |
| Firmware Version | 2              |        |                |
| Hardware Version | 3              |        |                |
| Device Address   | 1              |        |                |
| Device Comm Cfg  | 19200          | 8 Even | 1 (Modbus-RTU) |
| Used Memory      | 0              |        |                |
| Used Battery     | 1              |        |                |

### Log Configuration

|                      |                                              |
|----------------------|----------------------------------------------|
| Log Name             | MPWSP MW-15 LT Test                          |
| Created By           | nreynolds                                    |
| Computer Name        | PROBOOK1                                     |
| Application          | WinSitu.exe                                  |
| Application Version  | 5.6.25.0                                     |
| Create Date          | 10/27/2015 10:02:35 AM Pacific Daylight Time |
| Log Setup Time Zone  | Pacific Daylight Time                        |
| Notes Size(bytes)    | 4096                                         |
| Overwrite when full  | Enabled                                      |
| Scheduled Start Time | 10/27/2015 10:45:00 AM Pacific Daylight Time |
| Scheduled Stop Time  | No Stop Time                                 |
| Type                 | Linear                                       |
| Interval             | Days: 0 hrs: 00 mins: 15 secs: 00            |

### Level Reference Settings At Log Creation

|                        |       |
|------------------------|-------|
| Level Measurement Mode | Depth |
| Specific Gravity       | 1.024 |

## Other Log Settings

|                              |                          |        |
|------------------------------|--------------------------|--------|
| Depth of Probe:              | -0.0405503 (ft)          |        |
| Head Pressure:               | -0.0180016 (PSI)         |        |
| Temperature:                 | 22.3238 (C)              |        |
| Specific Conductivity Model: | Standard Methods         |        |
|                              | Reference Temperature:   | 25     |
|                              | Temperature Coefficient: | 0.0191 |
| TDS Factor:                  | 0.68                     |        |

**Log Notes:**

| Date and Time    | Note                                                                                                                                             |  |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 10/27/2015 10:02 | Used Battery: 1% Used Memory: 3% User Name: reynolds                                                                                             |  |
| 10/27/2015 11:43 | Log Download - Used Battery: 1% Used Memory: 3% User Name: reynolds                                                                              |  |
| 10/29/2015 14:42 | Log Download - Used Battery: 2% Used Memory: 3% User Name: KMaKar                                                                                |  |
| 11/5/2015 13:40  | Log Download - Used Battery: 2% Used Memory: 3% User Name: KMaKar Interval - Start Time: 10/27/2015 10:45:00 AM Stop Time: 11/5/2015 14:00 PM    |  |
| 11/12/2015 9:38  | Log Download - Used Battery: 2% Used Memory: 4% User Name: CShaw                                                                                 |  |
| 11/19/2015 14:51 | Log Download - Used Battery: 3% Used Memory: 4% User Name: KMaKar Interval - Start Time: 11/1/2015 7:00:00 AM Stop Time: 11/19/2015 15:00 PM     |  |
| 11/29/2015 9:11  | Log Download - Used Battery: 3% Used Memory: 6% User Name: CShaw Interval - Start Time: 11/13/2015 1:00:00 AM Stop Time: 11/29/2015 10:00 AM     |  |
| 12/3/2015 10:41  | Log Download - Used Battery: 3% Used Memory: 6% User Name: KMaKar Interval - Start Time: 11/18/2015 7:00:00 AM Stop Time: 12/3/2015 10:30 AM     |  |
| 12/10/2015 8:55  | Log Download - Used Battery: 4% Used Memory: 7% User Name: CShaw Interval - Start Time: 10/13/2015 1:45:00 AM Stop Time: 12/10/2015 8:45 AM      |  |
| 12/17/2015 11:08 | Log Download - Used Battery: 4% Used Memory: 7% User Name: KMaKar Interval - Start Time: 12/1/2015 12:00:00 PM Stop Time: 12/17/2015 11:00 AM    |  |
| 1/3/2016 9:58    | Log Download - Used Battery: 5% Used Memory: 10% User Name: CShaw Interval - Start Time: 11/30/2015 1:00:00 AM Stop Time: 1/3/2016 10:45 AM      |  |
| 1/7/2016 10:10   | Log Download - Used Battery: 5% Used Memory: 10% User Name: KMaKar Interval - Start Time: 12/31/2015 10:00:00 AM Stop Time: 1/7/2016 10:00:00 AM |  |
| 1/14/2016 8:23   | Log Download - Used Battery: 5% Used Memory: 10% User Name: KMaKar Interval - Start Time: 1/4/2016 10:00:00 AM Stop Time: 1/14/2016 8:15 AM      |  |
| 1/21/2016 11:41  | Log Download - Used Battery: 6% Used Memory: 12% User Name: KMaKar Interval - Start Time: 1/12/2016 11:00:00 AM Stop Time: 1/21/2016 11:30 AM    |  |
| 1/28/2016 13:45  | Log Download - Used Battery: 6% Used Memory: 12% User Name: KMaKar Interval - Start Time: 1/18/2016 11:45:00 AM Stop Time: 1/28/2016 13:00 PM    |  |
| 2/4/2016 9:17    | Log Download - Used Battery: 7% Used Memory: 14% User Name: CShaw Interval - Start Time: 12/31/2015 1:00:00 AM Stop Time: 2/4/2016 10:15 AM      |  |
| 2/11/2016 9:09   | Log Download - Used Battery: 7% Used Memory: 14% User Name: CShaw Interval - Start Time: 2/2/2016 2:30:00 PM Stop Time: 2/11/2016 10:00 AM       |  |
| 2/18/2016 8:57   | Log Download - Used Battery: 7% Used Memory: 15% User Name: CShaw Interval - Start Time: 2/4/2016 5:30:00 PM Stop Time: 2/18/2016 9:45 AM        |  |
| 2/25/2016 11:53  | Log Download - Used Battery: 8% Used Memory: 17% User Name: KMaKar Interval - Start Time: 2/15/2016 5:30:00 PM Stop Time: 2/25/2016 11:45 AM     |  |
| 3/2/2016 8:50    | Log Download - Used Battery: 8% Used Memory: 17% User Name: Skuiper Interval - Start Time: 1/31/2016 12:00:01 AM Stop Time: 3/2/2016 9:00 AM     |  |
| 3/10/2016 8:32   | Log Download - Used Battery: 8% Used Memory: 18% User Name: KMaKar Interval - Start Time: 3/1/2016 12:00:00 PM Stop Time: 3/10/2016 8:30 AM      |  |
| 3/17/2016 17:50  | Log Download - Used Battery: 9% Used Memory: 18% User Name: Skuiper Interval - Start Time: 3/8/2016 9:00:00 AM Stop Time: 3/17/2016 6:45 PM      |  |
| 3/24/2016 12:17  | Log Download - Used Battery: 9% Used Memory: 20% User Name: KMaKar Interval - Start Time: 3/15/2016 12:00:00 PM Stop Time: 3/24/2016 12:15 PM    |  |
| 3/31/2016 10:58  | Log Download - Used Battery: 9% Used Memory: 20% User Name: Skuiper Interval - Start Time: 3/22/2016 12:00:00 PM Stop Time: 3/31/2016 11:45 AM   |  |
| 4/7/2016 12:00   | Log Download - Used Battery: 10% Used Memory: 21% User Name: KMaKar Interval - Start Time: 2/29/2016 5:00:00 PM Stop Time: 4/7/2016 12:00 PM     |  |
| 4/14/2016 13:21  | Log Download - Used Battery: 10% Used Memory: 21% User Name: Skuiper Interval - Start Time: 4/5/2016 12:00:00 PM Stop Time: 4/14/2016 2:25 PM    |  |
| 4/21/2016 10:34  | Log Download - Used Battery: 11% Used Memory: 23% User Name: Elinde Interval - Start Time: 4/12/2016 1:30:00 PM Stop Time: 4/21/2016 11:30 AM    |  |
| 4/28/2016 11:02  | Log Download - Used Battery: 11% Used Memory: 23% User Name: KMaKar Interval - Start Time: 4/19/2016 5:00:00 PM Stop Time: 4/28/2016 11:00 AM    |  |
| 5/5/2016 12:37   | Log Download - Used Battery: 11% Used Memory: 25% User Name: Skuiper Interval - Start Time: 3/31/2016 12:00:00 PM Stop Time: 5/5/2016 12:30 PM   |  |
| 5/12/2016 16:00  | Log Download - Used Battery: 12% Used Memory: 25% User Name: Skuiper Interval - Start Time: 5/3/2016 12:00:00 PM Stop Time: 5/12/2016 4:45 AM    |  |
| 5/19/2016 16:34  | Log Download - Used Battery: 12% Used Memory: 26% User Name: Elinde Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 5:30 PM    |  |
| 5/26/2016 14:16  | Log Download - Used Battery: 12% Used Memory: 26% User Name: Skuiper Interval - Start Time: 5/17/2016 6:00:00 PM Stop Time: 5/26/2016 2:15 PM    |  |
| 6/2/2016 14:25   | Log Download - Used Battery: 13% Used Memory: 28% User Name: Skuiper Interval - Start Time: 4/30/2016 10:00:00 PM Stop Time: 6/2/2016 2:15 PM    |  |
| 6/9/2016 10:57   | Log Download - Used Battery: 13% Used Memory: 28% User Name: CShaw Interval - Start Time: 5/31/2016 5:00:00 AM Stop Time: 6/9/2016 11:45 AM      |  |
| 6/16/2016 17:37  | Log Download - Used Battery: 13% Used Memory: 29% User Name: Skuiper Interval - Start Time: 6/7/2016 10:30:00 PM Stop Time: 6/16/2016 6:30 PM    |  |
| 6/23/2016 17:37  | Log Download - Used Battery: 14% Used Memory: 29% User Name: Skuiper Interval - Start Time: 6/15/2016 10:00:00 PM Stop Time: 6/23/2016 5:30 PM   |  |
| 6/30/2016 15:09  | Log Download - Used Battery: 14% Used Memory: 31% User Name: Skuiper Interval - Start Time: 6/22/2016 12:00:00 PM Stop Time: 6/30/2016 5:45 PM   |  |
| 6/30/2016 15:47  | Log Download - Used Battery: 14% Used Memory: 31% User Name: Skuiper Interval - Start Time: 6/29/2016 12:00:00 PM Stop Time: 6/30/2016 3:45 PM   |  |
| 7/1/2016 9:20    | Log Download - Used Battery: 14% Used Memory: 31% User Name: Skuiper Interval - Start Time: 5/31/2016 10:00:00 PM Stop Time: 7/1/2016 9:15 AM    |  |
| 7/8/2016 9:19    | Log Download - Used Battery: 15% Used Memory: 32% User Name: Skuiper Interval - Start Time: 6/29/2016 10:00:00 PM Stop Time: 7/8/2016 10:00 AM   |  |
| 7/14/2016 12:44  | Log Download - Used Battery: 15% Used Memory: 34% User Name: Elinde Interval - Start Time: 7/13/2016 12:00:00 PM Stop Time: 7/14/2016 1:30 PM    |  |
| 7/21/2016 13:52  | Log Download - Used Battery: 15% Used Memory: 34% User Name: Skuiper Interval - Start Time: 7/15/2016 10:00:00 PM Stop Time: 7/21/2016 1:45 PM   |  |
| 7/28/2016 14:44  | Log Download - Used Battery: 16% Used Memory: 34% User Name: Skuiper Interval - Start Time: 7/20/2016 10:00:00 PM Stop Time: 7/28/2016 3:30 PM   |  |

## Log Data:

|              |     |                                  |
|--------------|-----|----------------------------------|
| Record Count | 716 |                                  |
| Sensors      | 1   |                                  |
|              | 1   | 421436 PCTD 100 PSIG (70m/231ft) |

Time Zone: Pacific Daylight Time

| Date and Time  | Elapsed Time<br>Seconds | Sensor: PCTD(G) 231ft<br>SN#: 421436 |                 | Sensor: PCTD(G) 231ft<br>SN#: 421436 |           | Sensor: PCTD(G) 231ft<br>SN#: 421436 |                               | Sensor: PCTD(G) 231ft<br>SN#: 421436 |        | Sensor: PCTD(G) 231ft<br>SN#: 421436 |                      | Sensor: PCTD(G) 231ft<br>SN#: 421436 |  | Sensor: PCTD(G) 231ft<br>SN#: 421436 |  | Sensor: PCTD(G) 231ft<br>SN#: 421436 |  |
|----------------|-------------------------|--------------------------------------|-----------------|--------------------------------------|-----------|--------------------------------------|-------------------------------|--------------------------------------|--------|--------------------------------------|----------------------|--------------------------------------|--|--------------------------------------|--|--------------------------------------|--|
|                |                         | Pressure (PSI)                       | Temperature (C) | Depth (ft)                           |           | Actual Conductivity (µS/cm)          | Specific Conductivity (µS/cm) | Salinity (PSU)                       |        | Total Dissolved Solids (ppm)         | Resistivity (ohm-cm) |                                      |  |                                      |  | Water Density (g/cm3)                |  |
| 10/5/2017 0:00 | 7200                    | 20.936                               | 14.841          | 47.161                               | 41153.129 | 51060.418                            | 33.531                        | 34721.09                             | 24.299 | 1.025                                |                      |                                      |  |                                      |  |                                      |  |
| 10/5/2017 0:15 | 8100                    | 20.963                               | 14.833          | 47.221                               | 41130.883 | 51042.563                            | 33.518                        | 34708.941                            | 24.313 | 1.025                                |                      |                                      |  |                                      |  |                                      |  |
| 10/5/2017 0:30 | 9000                    | 20.983                               | 14.824          | 47.266                               | 41131.719 | 51054.742                            | 33.526                        | 34717.227                            | 24.312 | 1.025                                |                      |                                      |  |                                      |  |                                      |  |
| 10/5/2017 0:45 | 9900                    | 21.004                               | 14.826          | 47.314                               | 41133.992 | 51055.535                            | 33.527                        | 34717.766                            | 24.311 | 1.025                                |                      |                                      |  |                                      |  |                                      |  |
| 10/5/2017 1:00 | 10800                   | 21.027                               | 14.822          | 47.365                               | 41138.5   | 51065.203                            | 33.533                        | 34724.344                            | 24.308 | 1.025                                |                      |                                      |  |                                      |  |                                      |  |
| 10/5/2017 1:15 | 11700                   | 21.04                                | 14.826          | 47.395                               | 41128.816 | 51049.32                             | 33.522                        | 34713.539                            | 24.314 | 1.025                                |                      |                                      |  |                                      |  |                                      |  |
| 10/5/2017 1:30 | 12600                   | 21.06                                | 14.817          | 47.441                               | 41150.508 | 51086.445                            | 33.549                        | 34738.785                            | 24.301 | 1.025                                |                      |                                      |  |                                      |  |                                      |  |
| 10/5/2017 1:45 | 13500                   | 21.077                               | 14.81           | 47.478                               | 41107.164 | 51040.984                            | 33.515                        | 34707.875                            | 24.327 | 1.025                                |                      |                                      |  |                                      |  |                                      |  |
| 10/5/2017 2:00 | 14400                   | 21.095                               | 14.816          | 47.518                               | 41133.027 | 51066.344                            | 33.534                        | 34725.117                            | 24.311 | 1.025                                |                      |                                      |  |                                      |  |                                      |  |
| 10/5/2017 2:15 | 15300                   | 21.111                               | 14.809          | 47.554                               | 41106.395 | 51041.219                            | 33.515                        | 34708.031                            | 24.327 | 1.025                                |                      |                                      |  |                                      |  |                                      |  |
| 10/5/2017 2:30 | 16200                   | 21.126                               | 14.809          | 47.588                               | 41125.203 | 51065.203                            | 33.532                        | 34724.344                            | 24.316 | 1.025                                |                      |                                      |  |                                      |  |                                      |  |
| 10/5/2017 2:45 | 17100                   | 21.14                                | 14.808          | 47.62                                | 41146.453 | 51092.57                             | 33.552                        | 34742.949                            | 24.303 | 1.025                                |                      |                                      |  |                                      |  |                                      |  |
| 10/5/2017 3:00 | 18000                   | 21.149                               | 14.802          | 47.641                               | 41158.395 | 51114.797                            | 33.568                        | 34758.063                            | 24.296 | 1.025                                |                      |                                      |  |                                      |  |                                      |  |
| 10/5/2017 3:15 | 18900                   | 21.173                               | 14.807          | 47.694                               | 41151.445 | 51100.055                            | 33.558                        | 34748.039                            | 24.3   | 1.025                                |                      |                                      |  |                                      |  |                                      |  |
| 10/5/2017 3:30 | 19800                   | 21.184                               | 14.8            | 47.719                               | 41126.949 | 51077.582                            | 33.541                        | 34732.758                            | 24.315 | 1.025                                |                      |                                      |  |                                      |  |                                      |  |
| 10/5/2017 3:45 | 20700                   | 21.195                               | 14.798          | 47.745                               | 41124.352 | 51077.363                            | 33.54                         | 34732.609                            | 24.316 | 1.025                                |                      |                                      |  |                                      |  |                                      |  |
| 10/5/2017 4:00 | 21600                   | 21.21                                | 14.797          | 47.778                               | 41126.063 | 51080.234                            | 33.542                        | 34734.563                            | 24.315 | 1.025                                |                      |                                      |  |                                      |  |                                      |  |
| 10/5/2017 4:15 | 22500                   | 21.212                               | 14.791          | 47.783                               | 41125.895 | 51087.969                            | 33.547                        | 34739.824                            | 24.316 | 1.025                                |                      |                                      |  |                                      |  |                                      |  |
| 10/5/2017 4:30 | 23400                   | 21.226                               | 14.789          | 47.814                               | 41084.277 | 51038.535                            | 33.511                        | 34706.203                            | 24.34  | 1.025                                |                      |                                      |  |                                      |  |                                      |  |
| 10/5/2017 4:45 | 24300                   | 21.236                               | 14.781          | 47.836                               | 41111.656 | 51081.867                            | 33.542                        | 34735.672                            | 24.324 | 1.025                                |                      |                                      |  |                                      |  |                                      |  |
| 10/5/2017 5:00 | 25200                   | 21.248                               | 14.779          | 47.862                               | 41067.953 | 51030.578                            | 33.504                        | 34700.793                            | 24.35  | 1.025                                |                      |                                      |  |                                      |  |                                      |  |
| 10/5/2017 5:15 | 26100                   | 21                                   |                 |                                      |           |                                      |                               |                                      |        |                                      |                      |                                      |  |                                      |  |                                      |  |

|                 |        |        |        |        |           |           |        |           |        |       |
|-----------------|--------|--------|--------|--------|-----------|-----------|--------|-----------|--------|-------|
| 10/5/2017 10:00 | 43200  | 21.44  | 14.718 | 48.296 | 41043.922 | 51074.527 | 33.531 | 34730.684 | 24.364 | 1.025 |
| 10/5/2017 10:15 | 44100  | 21.447 | 14.717 | 48.311 | 41059.699 | 51094.793 | 33.546 | 34744.461 | 24.355 | 1.025 |
| 10/5/2017 10:30 | 45000  | 21.46  | 14.714 | 48.341 | 41064.316 | 51104.957 | 33.553 | 34751.375 | 24.352 | 1.025 |
| 10/5/2017 10:45 | 45900  | 21.468 | 14.712 | 48.36  | 41037.137 | 51073.594 | 33.53  | 34730.047 | 24.368 | 1.025 |
| 10/5/2017 11:00 | 46800  | 21.473 | 14.708 | 48.371 | 41065.188 | 51112.5   | 33.559 | 34756.5   | 24.352 | 1.025 |
| 10/5/2017 11:15 | 47700  | 21.482 | 14.705 | 48.391 | 41069.852 | 51122.5   | 33.566 | 34763.301 | 24.349 | 1.025 |
| 10/5/2017 11:30 | 48600  | 21.49  | 14.707 | 48.409 | 41041.113 | 51083.609 | 33.537 | 34736.859 | 24.366 | 1.025 |
| 10/5/2017 11:45 | 49500  | 21.499 | 14.703 | 48.429 | 41017.316 | 51059.695 | 33.519 | 34720.598 | 24.38  | 1.025 |
| 10/5/2017 12:00 | 50400  | 21.509 | 14.706 | 48.45  | 41018.055 | 51056.309 | 33.517 | 34718.293 | 24.38  | 1.025 |
| 10/5/2017 12:15 | 51300  | 21.516 | 14.705 | 48.468 | 41055.039 | 51104.285 | 33.552 | 34750.914 | 24.358 | 1.025 |
| 10/5/2017 12:30 | 52200  | 21.521 | 14.7   | 48.478 | 41007.922 | 51051.336 | 33.513 | 34714.914 | 24.386 | 1.025 |
| 10/5/2017 12:45 | 53100  | 21.528 | 14.702 | 48.494 | 41031.648 | 51078.176 | 33.533 | 34733.16  | 24.371 | 1.025 |
| 10/5/2017 13:00 | 54000  | 21.536 | 14.7   | 48.512 | 41045.734 | 51097.859 | 33.547 | 34746.543 | 24.363 | 1.025 |
| 10/5/2017 13:15 | 54900  | 21.542 | 14.696 | 48.525 | 41029.773 | 51082.84  | 33.536 | 34736.332 | 24.373 | 1.025 |
| 10/5/2017 13:30 | 55800  | 21.547 | 14.703 | 48.536 | 41031.676 | 51077.352 | 33.532 | 34732.602 | 24.371 | 1.025 |
| 10/5/2017 13:45 | 56700  | 21.555 | 14.699 | 48.555 | 41017.309 | 51064.086 | 33.522 | 34723.578 | 24.38  | 1.025 |
| 10/5/2017 14:00 | 57600  | 21.555 | 14.702 | 48.554 | 41031.59  | 51078.855 | 33.533 | 34733.625 | 24.371 | 1.025 |
| 10/5/2017 14:15 | 58500  | 21.562 | 14.703 | 48.571 | 41052.301 | 51102.598 | 33.551 | 34749.766 | 24.359 | 1.025 |
| 10/5/2017 14:30 | 59400  | 21.564 | 14.706 | 48.576 | 41034.691 | 51077.871 | 33.533 | 34732.957 | 24.37  | 1.025 |
| 10/5/2017 14:45 | 60300  | 21.571 | 14.704 | 48.59  | 41041.324 | 51087.523 | 33.54  | 34739.516 | 24.366 | 1.025 |
| 10/5/2017 15:00 | 61200  | 21.582 | 14.705 | 48.617 | 41026.867 | 51068.352 | 33.526 | 34726.48  | 24.374 | 1.025 |
| 10/5/2017 15:15 | 62100  | 21.578 | 14.717 | 48.607 | 41035.438 | 51065.031 | 33.524 | 34724.223 | 24.369 | 1.025 |
| 10/5/2017 15:30 | 63000  | 21.586 | 14.711 | 48.624 | 41043.633 | 51081.91  | 33.536 | 34735.703 | 24.364 | 1.025 |
| 10/5/2017 15:45 | 63900  | 21.589 | 14.712 | 48.632 | 41050.102 | 51088.664 | 33.541 | 34740.297 | 24.36  | 1.025 |
| 10/5/2017 16:00 | 64800  | 21.598 | 14.709 | 48.653 | 41004.109 | 51035.52  | 33.502 | 34704.156 | 24.388 | 1.025 |
| 10/5/2017 16:15 | 65700  | 21.6   | 14.704 | 48.655 | 41007.293 | 51045.602 | 33.509 | 34711.012 | 24.386 | 1.025 |
| 10/5/2017 16:30 | 66600  | 21.6   | 14.706 | 48.657 | 41006     | 51041.52  | 33.506 | 34708.238 | 24.387 | 1.025 |
| 10/5/2017 16:45 | 67500  | 21.607 | 14.702 | 48.672 | 41040.82  | 51089.91  | 33.541 | 34741.141 | 24.366 | 1.025 |
| 10/5/2017 17:00 | 68400  | 21.609 | 14.707 | 48.676 | 41045.273 | 51089.43  | 33.542 | 34740.813 | 24.363 | 1.025 |
| 10/5/2017 17:15 | 69300  | 21.618 | 14.702 | 48.697 | 41028.891 | 51075.059 | 33.531 | 34731.039 | 24.373 | 1.025 |
| 10/5/2017 17:30 | 70200  | 21.617 | 14.694 | 48.694 | 41046.613 | 51106.605 | 33.553 | 34752.496 | 24.363 | 1.025 |
| 10/5/2017 17:45 | 71100  | 21.626 | 14.697 | 48.715 | 41045.453 | 51101.18  | 33.549 | 34748.801 | 24.363 | 1.025 |
| 10/5/2017 18:00 | 72000  | 21.63  | 14.694 | 48.724 | 41012.637 | 51064.746 | 33.522 | 34724.031 | 24.383 | 1.025 |
| 10/5/2017 18:15 | 72900  | 20.644 | 14.914 | 46.502 | 41277.742 | 51127.473 | 33.587 | 34766.684 | 24.226 | 1.025 |
| 10/5/2017 18:30 | 73800  | 20.495 | 14.941 | 46.167 | 41242.555 | 51050.75  | 33.533 | 34714.512 | 24.247 | 1.025 |
| 10/5/2017 18:45 | 74700  | 20.375 | 14.94  | 45.897 | 41241     | 51050.641 | 33.532 | 34714.438 | 24.248 | 1.025 |
| 10/5/2017 19:00 | 75600  | 20.295 | 14.939 | 45.717 | 41252.27  | 51064.918 | 33.543 | 34724.148 | 24.241 | 1.025 |
| 10/5/2017 19:15 | 76500  | 20.21  | 14.937 | 45.526 | 41257.625 | 51073.895 | 33.549 | 34730.25  | 24.238 | 1.025 |
| 10/5/2017 19:30 | 77400  | 20.151 | 14.938 | 45.392 | 41269.066 | 51086.98  | 33.559 | 34739.152 | 24.231 | 1.025 |
| 10/5/2017 19:45 | 78300  | 20.091 | 14.937 | 45.256 | 41257.816 | 51075.086 | 33.55  | 34731.059 | 24.238 | 1.025 |
| 10/5/2017 20:00 | 79200  | 20.037 | 14.936 | 45.135 | 41252.566 | 51069.137 | 33.546 | 34727.012 | 24.241 | 1.025 |
| 10/5/2017 20:15 | 80100  | 19.992 | 14.934 | 45.035 | 41245.789 | 51063.414 | 33.541 | 34723.121 | 24.245 | 1.025 |
| 10/5/2017 20:30 | 81000  | 19.948 | 14.933 | 44.935 | 41263.59  | 51086.41  | 33.558 | 34738.758 | 24.234 | 1.025 |
| 10/5/2017 20:45 | 81900  | 19.908 | 14.932 | 44.844 | 41252.465 | 51073.703 | 33.549 | 34730.117 | 24.241 | 1.025 |
| 10/5/2017 21:00 | 82800  | 19.877 | 14.932 | 44.776 | 41256.402 | 51079.227 | 33.553 | 34733.875 | 24.239 | 1.025 |
| 10/5/2017 21:15 | 83700  | 19.847 | 14.931 | 44.707 | 41236.215 | 51055.512 | 33.535 | 34717.75  | 24.251 | 1.025 |
| 10/5/2017 21:30 | 84600  | 19.813 | 14.934 | 44.632 | 41255.875 | 51075.469 | 33.55  | 34731.324 | 24.239 | 1.025 |
| 10/5/2017 21:45 | 85500  | 19.791 | 14.93  | 44.581 | 41260.395 | 51086.508 | 33.558 | 34738.828 | 24.236 | 1.025 |
| 10/5/2017 22:00 | 86400  | 19.761 | 14.93  | 44.515 | 41249.453 | 51072.105 | 33.547 | 34729.035 | 24.243 | 1.025 |
| 10/5/2017 22:15 | 87300  | 19.733 | 14.929 | 44.451 | 41279.379 | 51110.672 | 33.576 | 34755.262 | 24.225 | 1.025 |
| 10/5/2017 22:30 | 88200  | 19.71  | 14.933 | 44.398 | 41280.848 | 51107.344 | 33.573 | 34752.996 | 24.224 | 1.025 |
| 10/5/2017 22:45 | 89100  | 19.692 | 14.927 | 44.359 | 41254.988 | 51082.934 | 33.555 | 34736.398 | 24.239 | 1.025 |
| 10/5/2017 23:00 | 90000  | 19.672 | 14.93  | 44.314 | 41246.254 | 51068.254 | 33.545 | 34726.418 | 24.245 | 1.025 |
| 10/5/2017 23:15 | 90900  | 19.651 | 14.93  | 44.265 | 41265.941 | 51092.852 | 33.563 | 34743.141 | 24.233 | 1.025 |
| 10/5/2017 23:30 | 91800  | 19.634 | 14.931 | 44.228 | 41264.906 | 51090.289 | 33.561 | 34741.402 | 24.234 | 1.025 |
| 10/5/2017 23:45 | 92700  | 19.613 | 14.929 | 44.179 | 41269.637 | 51098.609 | 33.567 | 34747.055 | 24.231 | 1.025 |
| 10/6/2017 0:00  | 93600  | 19.598 | 14.929 | 44.146 | 41229.992 | 51050.266 | 33.531 | 34714.18  | 24.254 | 1.025 |
| 10/6/2017 0:15  | 94500  | 19.581 | 14.929 | 44.107 | 41243.398 | 51066.648 | 33.543 | 34725.324 | 24.246 | 1.025 |
| 10/6/2017 0:30  | 95400  | 19.564 | 14.929 | 44.07  | 41250.922 | 51075.438 | 33.55  | 34731.301 | 24.242 | 1.025 |
| 10/6/2017 0:45  | 96300  | 19.553 | 14.927 | 44.045 | 41248.816 | 51075.391 | 33.549 | 34731.266 | 24.243 | 1.025 |
| 10/6/2017 1:00  | 97200  | 19.544 | 14.93  | 44.026 | 41244.532 | 51066.656 | 33.543 | 34725.332 | 24.246 | 1.025 |
| 10/6/2017 1:15  | 98100  | 19.526 | 14.93  | 43.985 | 41241.711 | 51063.176 | 33.541 | 34722.961 | 24.247 | 1.025 |
| 10/6/2017 1:30  | 99000  | 19.513 | 14.926 | 43.956 | 41228.16  | 51051.098 | 33.532 | 34714.75  | 24.255 | 1.025 |
| 10/6/2017 1:45  | 99900  | 19.499 | 14.928 | 43.923 | 41296.289 | 51132.68  | 33.592 | 34770.227 | 24.215 | 1.025 |
| 10/6/2017 2:00  | 100800 | 19.485 | 14.926 | 43.892 | 41264.137 | 51095.117 | 33.564 | 34744.684 | 24.234 | 1.025 |
| 10/6/2017 2:15  | 101700 | 19.474 | 14.927 | 43.867 | 41257.984 | 51086.852 | 33.558 | 34739.059 | 24.238 | 1.025 |
| 10/6/2017 2:30  | 102600 | 19.468 | 14.927 | 43.853 | 41225.977 | 51047.219 | 33.529 | 34712.113 | 24.257 | 1.025 |
| 10/6/2017 2:45  | 103500 | 19.449 | 14.929 | 43.81  | 41231.234 | 51050.734 | 33.532 | 34714.5   | 24.253 | 1.025 |
| 10/6/2017 3:00  | 104400 | 19.444 | 14.926 | 43.8   | 41222.836 | 51044.934 | 33.527 | 34710.555 | 24.258 | 1.025 |
| 10/6/2017 3:15  | 105300 | 19.434 | 14.927 | 43.777 | 41267.48  | 51098.402 | 33.566 | 34746.914 | 24.232 | 1.025 |
| 10/6/2017 3:30  | 106200 | 19.422 | 14.925 | 43.75  | 41243.238 | 51071.047 | 33.546 | 34728.313 | 24.246 | 1.025 |
| 10/6/2017 3:45  | 107100 | 19.41  | 14.928 | 43.723 | 41237.367 | 51059.723 | 33.538 | 34720.617 | 24.25  | 1.025 |
| 10/6/2017 4:00  | 108000 | 19.401 | 14.928 | 43.703 | 41228.094 | 51048.352 | 33.53  | 34712.879 | 24.255 | 1.025 |
| 10/6/2017 4:15  | 108900 | 19.391 | 14.927 | 43.68  | 41250.824 | 51077.777 | 33.551 | 34732.891 | 24.242 | 1.025 |
| 10/6/2017 4:30  | 109800 | 19.379 | 14.927 | 43.653 | 41246.223 | 51072.723 | 33.547 | 34729.453 | 24.245 | 1.025 |
| 10/6/2017 4:45  | 110700 | 19.372 | 14.925 | 43.638 | 41217.59  | 51039.719 | 33.523 | 34707.008 | 24.261 | 1.025 |
| 10/6/2017 5:00  | 111600 | 19.366 | 14.928 | 43.623 | 41216.297 | 51033.512 | 33.519 | 34702.789 | 24.262 | 1.025 |
| 10/6/2017 5:15  | 112500 | 19.353 | 14.926 | 43.594 | 41232.547 | 51056.102 | 33.535 | 34718.152 | 24.253 | 1.025 |
| 10/6/2017 5:30  | 113400 | 19.342 | 14.927 | 43.57  | 41247.203 | 51073.395 | 33.548 | 34729.91  | 24.244 | 1.025 |
| 10/6/2017 5:45  | 114300 | 19.339 | 14.926 | 43.562 | 41220.191 | 51041.438 | 33.524 | 34708.18  | 24.26  | 1.025 |
| 10/6/2017 6:00  | 115200 | 19.326 | 14.925 | 43.534 | 41262.012 | 51094.395 | 33.563 | 34744.191 | 24.235 | 1.025 |
| 10/6/2017 6:15  | 116100 | 19.317 | 14.926 | 43.514 | 41235.258 | 51059.68  | 33.538 | 34720.586 | 24.251 | 1.025 |
| 10/6/2017 6:30  | 117000 | 19.311 | 14.927 | 43.499 | 41223.09  | 51043.957 | 33.526 | 34709.891 | 24.258 | 1.025 |
| 10/6/2017 6:45  | 117900 | 19.303 | 14.926 | 43.481 | 41266.348 | 51098.492 | 33.566 | 34746.98  | 24.233 | 1.025 |
| 10/6/2017 7:00  | 118800 | 19.295 | 14.925 | 43.463 | 41228.711 | 51052.523 | 33.533 | 34715.719 | 24.255 | 1.025 |
| 10/6/2017 7:15  | 119700 | 19.289 | 14.927 | 43.451 | 41212.875 | 51030.684 | 33.517 | 34700.867 | 24.264 | 1.025 |
| 10/6/2017 7:30  | 120600 | 19.28  | 14.924 | 43.431 | 41232.996 | 51058.898 | 33.537 | 34720.051 | 24.252 | 1.025 |
| 10/6/2017 7:45  | 121500 | 19.272 | 14.925 | 43.412 | 41242.805 | 51069.977 | 33.545 | 34727.59  | 24.247 | 1.025 |
| 10/6/2017 8:00  | 122400 | 19.268 | 14.92  |        |           |           |        |           |        |       |

|                 |        |        |        |        |           |           |        |           |        |       |
|-----------------|--------|--------|--------|--------|-----------|-----------|--------|-----------|--------|-------|
| 10/7/2017 6:30  | 203400 | 19.01  | 14.92  | 42.821 | 41218.813 | 51046.574 | 33.528 | 34711.672 | 24.261 | 1.025 |
| 10/7/2017 6:45  | 204300 | 19.007 | 14.92  | 42.815 | 41230.98  | 51062.188 | 33.539 | 34722.289 | 24.254 | 1.025 |
| 10/7/2017 7:00  | 205200 | 19.004 | 14.921 | 42.809 | 41235.414 | 51065.953 | 33.542 | 34724.852 | 24.251 | 1.025 |
| 10/7/2017 7:15  | 206100 | 19.006 | 14.921 | 42.813 | 41240.301 | 51071.691 | 33.546 | 34728.754 | 24.248 | 1.025 |
| 10/7/2017 7:30  | 207000 | 18.999 | 14.924 | 42.798 | 41263.527 | 51097.559 | 33.565 | 34746.34  | 24.234 | 1.025 |
| 10/7/2017 7:45  | 207900 | 18.997 | 14.919 | 42.792 | 41266.738 | 51107.848 | 33.573 | 34753.336 | 24.233 | 1.025 |
| 10/7/2017 8:00  | 208800 | 18.997 | 14.92  | 42.792 | 41250.273 | 51085.332 | 33.556 | 34738.031 | 24.242 | 1.025 |
| 10/7/2017 8:15  | 209700 | 18.998 | 14.923 | 42.795 | 41254.18  | 51087.168 | 33.558 | 34739.277 | 24.24  | 1.025 |
| 10/7/2017 8:30  | 210600 | 18.995 | 14.923 | 42.787 | 41252.941 | 51085.746 | 33.557 | 34738.313 | 24.241 | 1.025 |
| 10/7/2017 8:45  | 211500 | 18.996 | 14.92  | 42.79  | 41211.363 | 51037.891 | 33.521 | 34705.77  | 24.265 | 1.025 |
| 10/7/2017 9:00  | 212400 | 18.997 | 14.923 | 42.792 | 41241.203 | 51071.316 | 33.546 | 34728.496 | 24.248 | 1.025 |
| 10/7/2017 9:15  | 213300 | 18.995 | 14.921 | 42.789 | 41267.547 | 51105.867 | 33.571 | 34751.992 | 24.232 | 1.025 |
| 10/7/2017 9:30  | 214200 | 18.988 | 14.923 | 42.771 | 41246.676 | 51077.129 | 33.55  | 34732.453 | 24.244 | 1.025 |
| 10/7/2017 9:45  | 215100 | 18.99  | 14.922 | 42.778 | 41252.645 | 51085.793 | 33.557 | 34738.344 | 24.241 | 1.025 |
| 10/7/2017 10:00 | 216000 | 18.988 | 14.918 | 42.773 | 41230.844 | 51064.477 | 33.541 | 34723.848 | 24.254 | 1.025 |
| 10/7/2017 10:15 | 216900 | 18.985 | 14.922 | 42.765 | 41259.754 | 51095.238 | 33.564 | 34744.762 | 24.237 | 1.025 |
| 10/7/2017 10:30 | 217800 | 18.987 | 14.925 | 42.77  | 41260.254 | 51092.215 | 33.562 | 34742.711 | 24.236 | 1.025 |
| 10/7/2017 10:45 | 218700 | 18.988 | 14.921 | 42.772 | 41247.988 | 51082.074 | 33.554 | 34735.813 | 24.244 | 1.025 |
| 10/7/2017 11:00 | 219600 | 18.99  | 14.918 | 42.778 | 41255.672 | 51095.227 | 33.563 | 34744.754 | 24.239 | 1.025 |
| 10/7/2017 11:15 | 220500 | 18.995 | 14.923 | 42.787 | 41243.406 | 51073.938 | 33.548 | 34730.277 | 24.246 | 1.025 |
| 10/7/2017 11:30 | 221400 | 18.995 | 14.924 | 42.788 | 41208.41  | 51029.207 | 33.515 | 34699.859 | 24.267 | 1.025 |
| 10/7/2017 11:45 | 222300 | 18.995 | 14.921 | 42.789 | 41232.375 | 51062.738 | 33.54  | 34722.664 | 24.253 | 1.025 |
| 10/7/2017 12:00 | 223200 | 18.997 | 14.92  | 42.794 | 41215.848 | 51043.016 | 33.525 | 34709.25  | 24.263 | 1.025 |
| 10/7/2017 12:15 | 224100 | 19.001 | 14.923 | 42.803 | 41270.672 | 51107.164 | 33.572 | 34752.871 | 24.23  | 1.025 |
| 10/7/2017 12:30 | 225000 | 19.004 | 14.923 | 42.808 | 41252.551 | 51085.371 | 33.556 | 34738.051 | 24.241 | 1.025 |
| 10/7/2017 12:45 | 225900 | 18.999 | 14.917 | 42.797 | 41232.609 | 51066.977 | 33.543 | 34725.543 | 24.253 | 1.025 |
| 10/7/2017 13:00 | 226800 | 19.011 | 14.919 | 42.823 | 41229.316 | 51060.871 | 33.538 | 34721.398 | 24.255 | 1.025 |
| 10/7/2017 13:15 | 227700 | 19.01  | 14.921 | 42.822 | 41257.445 | 51093.672 | 33.562 | 34743.699 | 24.238 | 1.025 |
| 10/7/2017 13:30 | 228600 | 19.014 | 14.92  | 42.83  | 41243.801 | 51077.945 | 33.551 | 34733.004 | 24.246 | 1.025 |
| 10/7/2017 13:45 | 229500 | 19.017 | 14.924 | 42.837 | 41228.066 | 51053.883 | 33.533 | 34716.641 | 24.255 | 1.025 |
| 10/7/2017 14:00 | 230400 | 19.016 | 14.921 | 42.835 | 41244.199 | 51076.832 | 33.55  | 34732.246 | 24.246 | 1.025 |
| 10/7/2017 14:15 | 231300 | 19.022 | 14.923 | 42.848 | 41247.012 | 51078.078 | 33.551 | 34733.098 | 24.244 | 1.025 |
| 10/7/2017 14:30 | 232200 | 19.023 | 14.919 | 42.851 | 41252.035 | 51089.113 | 33.559 | 34740.602 | 24.241 | 1.025 |
| 10/7/2017 14:45 | 233100 | 19.022 | 14.92  | 42.848 | 41246.344 | 51080.879 | 33.553 | 34734.996 | 24.245 | 1.025 |
| 10/7/2017 15:00 | 234000 | 19.022 | 14.922 | 42.848 | 41250.879 | 51084.141 | 33.555 | 34737.219 | 24.242 | 1.025 |
| 10/7/2017 15:15 | 234900 | 19.023 | 14.92  | 42.851 | 41244.141 | 51078.152 | 33.551 | 34733.148 | 24.246 | 1.025 |
| 10/7/2017 15:30 | 235800 | 19.024 | 14.915 | 42.853 | 41246.797 | 51086.91  | 33.557 | 34739.098 | 24.244 | 1.025 |
| 10/7/2017 15:45 | 236700 | 19.024 | 14.92  | 42.853 | 41239.926 | 51072.836 | 33.547 | 34729.531 | 24.248 | 1.025 |
| 10/7/2017 16:00 | 237600 | 19.025 | 14.921 | 42.855 | 41211.02  | 51036.289 | 33.52  | 34704.676 | 24.265 | 1.025 |
| 10/7/2017 16:15 | 238500 | 19.029 | 14.914 | 42.864 | 41246.652 | 51088.852 | 33.558 | 34740.422 | 24.244 | 1.025 |
| 10/7/2017 16:30 | 239400 | 19.03  | 14.92  | 42.866 | 41238.801 | 51071.328 | 33.546 | 34728.504 | 24.249 | 1.025 |
| 10/7/2017 16:45 | 240300 | 19.032 | 14.917 | 42.872 | 41244.547 | 51081.977 | 33.554 | 34735.75  | 24.246 | 1.025 |
| 10/7/2017 17:00 | 241200 | 19.031 | 14.918 | 42.87  | 41220.434 | 51051.688 | 33.531 | 34715.148 | 24.26  | 1.025 |
| 10/7/2017 17:15 | 242100 | 19.028 | 14.918 | 42.862 | 41241.098 | 51076.523 | 33.55  | 34732.035 | 24.248 | 1.025 |
| 10/7/2017 17:30 | 243000 | 19.022 | 14.918 | 42.849 | 41243.613 | 51079.75  | 33.552 | 34734.234 | 24.246 | 1.025 |
| 10/7/2017 17:45 | 243900 | 19.023 | 14.921 | 42.851 | 41248.309 | 51081.5   | 33.554 | 34735.426 | 24.243 | 1.025 |
| 10/7/2017 18:00 | 244800 | 19.021 | 14.92  | 42.848 | 41245.02  | 51079.457 | 33.552 | 34734.031 | 24.245 | 1.025 |
| 10/7/2017 18:15 | 245700 | 19.018 | 14.918 | 42.839 | 41246.457 | 51083.164 | 33.554 | 34736.555 | 24.245 | 1.025 |
| 10/7/2017 18:30 | 246600 | 19.016 | 14.92  | 42.835 | 41252.691 | 51089.074 | 33.559 | 34740.57  | 24.241 | 1.025 |
| 10/7/2017 18:45 | 247500 | 19.012 | 14.919 | 42.825 | 41248.668 | 51084.719 | 33.556 | 34737.609 | 24.243 | 1.025 |
| 10/7/2017 19:00 | 248400 | 19.012 | 14.919 | 42.826 | 41225.625 | 51056.406 | 33.535 | 34718.355 | 24.257 | 1.025 |
| 10/7/2017 19:15 | 249300 | 19.003 | 14.919 | 42.805 | 41229.844 | 51061.094 | 33.538 | 34721.547 | 24.254 | 1.025 |
| 10/7/2017 19:30 | 250200 | 19.001 | 14.918 | 42.802 | 41218.512 | 51048.234 | 33.529 | 34712.805 | 24.261 | 1.025 |
| 10/7/2017 19:45 | 251100 | 18.996 | 14.918 | 42.791 | 41248.984 | 51086.625 | 33.557 | 34738.906 | 24.243 | 1.025 |
| 10/7/2017 20:00 | 252000 | 18.992 | 14.919 | 42.781 | 41234.84  | 51068.027 | 33.543 | 34726.262 | 24.251 | 1.025 |
| 10/7/2017 20:15 | 252900 | 18.991 | 14.919 | 42.779 | 41256.578 | 51094.836 | 33.563 | 34744.492 | 24.239 | 1.025 |
| 10/7/2017 20:30 | 253800 | 18.99  | 14.917 | 42.778 | 41226.672 | 51059.949 | 33.537 | 34720.77  | 24.256 | 1.025 |
| 10/7/2017 20:45 | 254700 | 18.99  | 14.917 | 42.778 | 41233.008 | 51068.34  | 33.543 | 34726.477 | 24.252 | 1.025 |
| 10/7/2017 21:00 | 255600 | 18.983 | 14.916 | 42.761 | 41241.082 | 51078.965 | 33.551 | 34733.695 | 24.248 | 1.025 |
| 10/7/2017 21:15 | 256500 | 18.98  | 14.914 | 42.753 | 41243.406 | 51083.883 | 33.555 | 34737.043 | 24.246 | 1.025 |
| 10/7/2017 21:30 | 257400 | 18.982 | 14.917 | 42.758 | 41241.719 | 51079.332 | 33.552 | 34733.949 | 24.247 | 1.025 |
| 10/7/2017 21:45 | 258300 | 18.981 | 14.919 | 42.756 | 41233.145 | 51065.816 | 33.542 | 34724.754 | 24.252 | 1.025 |
| 10/7/2017 22:00 | 259200 | 18.98  | 14.916 | 42.753 | 41230.297 | 51066.352 | 33.542 | 34725.125 | 24.254 | 1.025 |
| 10/7/2017 22:15 | 260100 | 18.977 | 14.919 | 42.747 | 41234.672 | 51068.133 | 33.543 | 34726.332 | 24.251 | 1.025 |
| 10/7/2017 22:30 | 261000 | 18.972 | 14.921 | 42.736 | 41241.156 | 51073.711 | 33.548 | 34730.125 | 24.248 | 1.025 |
| 10/7/2017 22:45 | 261900 | 18.972 | 14.917 | 42.736 | 41228.777 | 51062.344 | 33.539 | 34722.398 | 24.255 | 1.025 |
| 10/7/2017 23:00 | 262800 | 18.972 | 14.918 | 42.736 | 41197.207 | 51022.711 | 33.51  | 34695.445 | 24.273 | 1.025 |
| 10/7/2017 23:15 | 263700 | 18.972 | 14.921 | 42.736 | 41240.676 | 51072.359 | 33.547 | 34729.207 | 24.248 | 1.025 |
| 10/7/2017 23:30 | 264600 | 18.968 | 14.917 | 42.728 | 41206.289 | 51035.125 | 33.519 | 34703.887 | 24.268 | 1.025 |
| 10/7/2017 23:45 | 265500 | 18.972 | 14.922 | 42.735 | 41230.297 | 51058.871 | 33.537 | 34720.031 | 24.254 | 1.025 |
| 10/8/2017 0:00  | 266400 | 18.972 | 14.919 | 42.736 | 41228.305 | 51060.043 | 33.538 | 34720.828 | 24.255 | 1.025 |
| 10/8/2017 0:15  | 267300 | 18.972 | 14.919 | 42.736 | 41258.352 | 51096.715 | 33.564 | 34745.766 | 24.238 | 1.025 |
| 10/8/2017 0:30  | 268200 | 18.968 | 14.92  | 42.728 | 41232.266 | 51063.66  | 33.54  | 34723.289 | 24.253 | 1.025 |
| 10/8/2017 0:45  | 269100 | 18.973 | 14.923 | 42.737 | 41235.578 | 51063.281 | 33.54  | 34723.035 | 24.251 | 1.025 |
| 10/8/2017 1:00  | 270000 | 18.979 | 14.92  | 42.752 | 41235.977 | 51067.832 | 33.543 | 34726.129 | 24.251 | 1.025 |
| 10/8/2017 1:15  | 270900 | 18.977 | 14.921 | 42.748 | 41245.457 | 51078.18  | 33.551 | 34733.164 | 24.245 | 1.025 |
| 10/8/2017 1:30  | 271800 | 18.975 | 14.919 | 42.742 | 41228.004 | 51059.02  | 33.537 | 34720.133 | 24.255 | 1.025 |
| 10/8/2017 1:45  | 272700 | 18.977 | 14.921 | 42.748 | 41237.531 | 51068.262 | 33.544 | 34726.422 | 24.25  | 1.025 |
| 10/8/2017 2:00  | 273600 | 18.978 | 14.917 | 42.75  | 41251.375 | 51090.219 | 33.56  | 34741.348 | 24.242 | 1.025 |
| 10/8/2017 2:15  | 274500 | 18.985 | 14.921 | 42.765 | 41242.316 | 51075.047 | 33.549 | 34731.035 | 24.247 | 1.025 |
| 10/8/2017 2:30  | 275400 | 18.984 | 14.92  | 42.764 | 41244.313 | 51077.723 | 33.551 | 34732.852 | 24.246 | 1.025 |
| 10/8/2017 2:45  | 276300 | 18.982 | 14.919 | 42.759 | 41239.043 | 51072.691 | 33.547 | 34729.43  | 24.249 | 1.025 |
| 10/8/2017 3:00  | 277200 | 18.986 | 14.918 | 42.768 | 41225.383 | 51056.859 | 33.535 | 34718.668 | 24.257 | 1.025 |
| 10/8/2017 3:15  | 278100 | 18.988 | 14.917 | 42.771 | 41231.336 | 51065.512 | 33.541 | 34724.547 | 24.253 | 1.025 |
| 10/8/2017 3:30  | 279000 | 18.989 | 14.919 | 42.774 | 41215.387 | 51043.938 | 33.526 | 34709.879 | 24.263 | 1.025 |
| 10/8/2017 3:45  | 279900 | 18.993 | 14.919 | 42.783 | 41241.285 | 51075.578 | 33.549 | 34731.395 | 24.248 | 1.025 |
| 10/8/2017 4:00  | 280800 | 18.992 | 14.922 | 42.782 | 41218.402 | 51047.559 | 33.528 | 34712.34  | 24.261 | 1.025 |
| 10/8/2017 4:15  | 281700 | 18.994 | 14.922 | 42.785 | 41256.965 | 51091.785 | 33.5   |           |        |       |

|                 |        |        |        |        |           |           |        |           |        |       |
|-----------------|--------|--------|--------|--------|-----------|-----------|--------|-----------|--------|-------|
| 10/9/2017 3:00  | 363600 | 19.009 | 14.916 | 42.819 | 41227.645 | 51062.957 | 33.539 | 34722.813 | 24.256 | 1.025 |
| 10/9/2017 3:15  | 364500 | 19.016 | 14.915 | 42.835 | 41210.164 | 51041.855 | 33.524 | 34708.461 | 24.266 | 1.025 |
| 10/9/2017 3:30  | 365400 | 19.013 | 14.915 | 42.829 | 41236.512 | 51075.031 | 33.548 | 34731.027 | 24.25  | 1.025 |
| 10/9/2017 3:45  | 366300 | 19.014 | 14.916 | 42.831 | 41216.445 | 51048.984 | 33.529 | 34713.309 | 24.262 | 1.025 |
| 10/9/2017 4:00  | 367200 | 19.018 | 14.915 | 42.841 | 41257.625 | 51100.637 | 33.567 | 34748.438 | 24.238 | 1.025 |
| 10/9/2017 4:15  | 368100 | 19.025 | 14.916 | 42.855 | 41259.602 | 51101.902 | 33.568 | 34749.293 | 24.237 | 1.025 |
| 10/9/2017 4:30  | 369000 | 19.022 | 14.913 | 42.848 | 41237.723 | 51078.98  | 33.551 | 34733.707 | 24.25  | 1.025 |
| 10/9/2017 4:45  | 369900 | 19.023 | 14.917 | 42.851 | 41229.184 | 51063.48  | 33.54  | 34723.172 | 24.255 | 1.025 |
| 10/9/2017 5:00  | 370800 | 19.024 | 14.916 | 42.854 | 41198.629 | 51026.707 | 33.513 | 34698.16  | 24.273 | 1.025 |
| 10/9/2017 5:15  | 371700 | 19.029 | 14.918 | 42.864 | 41242.027 | 51078.219 | 33.551 | 34733.188 | 24.247 | 1.025 |
| 10/9/2017 5:30  | 372600 | 19.023 | 14.911 | 42.851 | 41229.055 | 51070.184 | 33.544 | 34727.73  | 24.255 | 1.025 |
| 10/9/2017 5:45  | 373500 | 19.033 | 14.913 | 42.873 | 41230.617 | 51069.645 | 33.544 | 34727.359 | 24.254 | 1.025 |
| 10/9/2017 6:00  | 374400 | 19.03  | 14.913 | 42.867 | 41195.031 | 51026.203 | 33.512 | 34697.824 | 24.275 | 1.025 |
| 10/9/2017 6:15  | 375300 | 19.03  | 14.911 | 42.866 | 41193.395 | 51026.313 | 33.512 | 34697.895 | 24.276 | 1.025 |
| 10/9/2017 6:30  | 376200 | 19.033 | 14.913 | 42.873 | 41238.73  | 51080.02  | 33.552 | 34734.418 | 24.249 | 1.025 |
| 10/9/2017 6:45  | 377100 | 19.029 | 14.916 | 42.865 | 41228.848 | 51063.914 | 33.54  | 34723.461 | 24.255 | 1.025 |
| 10/9/2017 7:00  | 378000 | 19.024 | 14.914 | 42.853 | 41228.152 | 51065.938 | 33.541 | 34724.84  | 24.255 | 1.025 |
| 10/9/2017 7:15  | 378900 | 19.031 | 14.913 | 42.869 | 41222.578 | 51059.891 | 33.537 | 34720.73  | 24.259 | 1.025 |
| 10/9/2017 7:30  | 379800 | 19.027 | 14.913 | 42.861 | 41214.719 | 51050.59  | 33.53  | 34714.406 | 24.263 | 1.025 |
| 10/9/2017 7:45  | 380700 | 19.027 | 14.914 | 42.861 | 41233.215 | 51071.262 | 33.545 | 34728.457 | 24.252 | 1.025 |
| 10/9/2017 8:00  | 381600 | 19.024 | 14.914 | 42.854 | 41218.746 | 51053.34  | 33.532 | 34716.27  | 24.261 | 1.025 |
| 10/9/2017 8:15  | 382500 | 19.022 | 14.913 | 42.848 | 41245.879 | 51088.871 | 33.558 | 34740.438 | 24.245 | 1.025 |
| 10/9/2017 8:30  | 383400 | 19.023 | 14.915 | 42.851 | 41222.016 | 51059.629 | 33.537 | 34720.547 | 24.259 | 1.025 |
| 10/9/2017 8:45  | 384300 | 19.025 | 14.913 | 42.855 | 41221.773 | 51056.875 | 33.535 | 34718.676 | 24.259 | 1.025 |
| 10/9/2017 9:00  | 385200 | 19.021 | 14.917 | 42.848 | 41200.938 | 51028.82  | 33.514 | 34699.602 | 24.271 | 1.025 |
| 10/9/2017 9:15  | 386100 | 19.025 | 14.914 | 42.855 | 41215.406 | 51050.148 | 33.53  | 34714.105 | 24.263 | 1.025 |
| 10/9/2017 9:30  | 387000 | 19.023 | 14.914 | 42.851 | 41230.063 | 51067.555 | 33.543 | 34725.941 | 24.254 | 1.025 |
| 10/9/2017 9:45  | 387900 | 19.025 | 14.915 | 42.855 | 41248.836 | 51089.641 | 33.559 | 34740.961 | 24.243 | 1.025 |
| 10/9/2017 10:00 | 388800 | 19.022 | 14.912 | 42.849 | 41209.672 | 51045.508 | 33.526 | 34710.945 | 24.266 | 1.025 |
| 10/9/2017 10:15 | 389700 | 19.024 | 14.917 | 42.854 | 41228.531 | 51062.563 | 33.539 | 34722.547 | 24.255 | 1.025 |
| 10/9/2017 10:30 | 390600 | 19.027 | 14.915 | 42.861 | 41232.273 | 51069.984 | 33.544 | 34727.594 | 24.253 | 1.025 |
| 10/9/2017 10:45 | 391500 | 19.027 | 14.911 | 42.86  | 41232.824 | 51074.852 | 33.548 | 34730.898 | 24.253 | 1.025 |
| 10/9/2017 11:00 | 392400 | 19.03  | 14.915 | 42.867 | 41238.566 | 51077.031 | 33.55  | 34732.383 | 24.249 | 1.025 |
| 10/9/2017 11:15 | 393300 | 19.029 | 14.914 | 42.864 | 41218.598 | 51053.59  | 33.532 | 34716.441 | 24.261 | 1.025 |
| 10/9/2017 11:30 | 394200 | 19.036 | 14.911 | 42.882 | 41221.711 | 51060.852 | 33.538 | 34721.383 | 24.259 | 1.025 |
| 10/9/2017 11:45 | 395100 | 19.035 | 14.912 | 42.877 | 41213.148 | 51049.613 | 33.529 | 34713.742 | 24.264 | 1.025 |
| 10/9/2017 12:00 | 396000 | 19.037 | 14.915 | 42.883 | 41204.668 | 51034.73  | 33.519 | 34703.617 | 24.269 | 1.025 |
| 10/9/2017 12:15 | 396900 | 19.038 | 14.912 | 42.884 | 41198.637 | 51031.211 | 33.516 | 34701.227 | 24.273 | 1.025 |
| 10/9/2017 12:30 | 397800 | 19.042 | 14.911 | 42.894 | 41229.277 | 51070.227 | 33.544 | 34727.758 | 24.255 | 1.025 |
| 10/9/2017 12:45 | 398700 | 19.047 | 14.911 | 42.906 | 41184.328 | 51015.293 | 33.504 | 34690.398 | 24.281 | 1.025 |
| 10/9/2017 13:00 | 399600 | 19.049 | 14.911 | 42.91  | 41243.992 | 51088.453 | 33.558 | 34740.152 | 24.246 | 1.025 |
| 10/9/2017 13:15 | 400500 | 19.056 | 14.914 | 42.926 | 41240.645 | 51081.211 | 33.553 | 34735.227 | 24.248 | 1.025 |
| 10/9/2017 13:30 | 401400 | 19.058 | 14.915 | 42.93  | 41233.008 | 51070.691 | 33.545 | 34728.074 | 24.252 | 1.025 |
| 10/9/2017 13:45 | 402300 | 19.062 | 14.912 | 42.939 | 41217.008 | 51054.512 | 33.533 | 34717.066 | 24.262 | 1.025 |
| 10/9/2017 14:00 | 403200 | 19.068 | 14.914 | 42.953 | 41232.082 | 51070.289 | 33.545 | 34727.797 | 24.253 | 1.025 |
| 10/9/2017 14:15 | 404100 | 19.07  | 14.911 | 42.956 | 41226.125 | 51066.754 | 33.542 | 34725.395 | 24.256 | 1.025 |
| 10/9/2017 14:30 | 405000 | 19.068 | 14.913 | 42.953 | 41208.488 | 51041.91  | 33.524 | 34708.5   | 24.267 | 1.025 |
| 10/9/2017 14:45 | 405900 | 19.074 | 14.911 | 42.967 | 41222.547 | 51062.523 | 33.539 | 34722.52  | 24.259 | 1.025 |
| 10/9/2017 15:00 | 406800 | 19.076 | 14.913 | 42.97  | 41194.316 | 51024.574 | 33.511 | 34696.711 | 24.275 | 1.025 |
| 10/9/2017 15:15 | 407700 | 19.081 | 14.911 | 42.981 | 41226.336 | 51067.219 | 33.542 | 34725.711 | 24.256 | 1.025 |
| 10/9/2017 15:30 | 408600 | 19.081 | 14.914 | 42.983 | 41213.016 | 51046.441 | 33.527 | 34711.582 | 24.264 | 1.025 |
| 10/9/2017 15:45 | 409500 | 19.087 | 14.912 | 42.996 | 41222.84  | 51060.98  | 33.538 | 34721.469 | 24.258 | 1.025 |
| 10/9/2017 16:00 | 410400 | 19.092 | 14.913 | 43.006 | 41220.762 | 51057.871 | 33.535 | 34719.352 | 24.26  | 1.025 |
| 10/9/2017 16:15 | 411300 | 19.098 | 14.91  | 43.019 | 41240.273 | 51085.453 | 33.555 | 34738.109 | 24.248 | 1.025 |
| 10/9/2017 16:30 | 412200 | 19.098 | 14.911 | 43.021 | 41218.316 | 51057.285 | 33.535 | 34718.957 | 24.261 | 1.025 |
| 10/9/2017 16:45 | 413100 | 19.099 | 14.909 | 43.023 | 41237.891 | 51083.676 | 33.554 | 34736.898 | 24.25  | 1.025 |
| 10/9/2017 17:00 | 414000 | 19.096 | 14.909 | 43.016 | 41215.895 | 51055.898 | 33.534 | 34718.016 | 24.262 | 1.025 |
| 10/9/2017 17:15 | 414900 | 19.099 | 14.909 | 43.023 | 41205.512 | 51043.68  | 33.525 | 34709.707 | 24.269 | 1.025 |
| 10/9/2017 17:30 | 415800 | 19.104 | 14.912 | 43.033 | 41250.402 | 51095.758 | 33.563 | 34745.117 | 24.242 | 1.025 |
| 10/9/2017 17:45 | 416700 | 19.105 | 14.91  | 43.036 | 41222.078 | 51062.266 | 33.538 | 34722.34  | 24.259 | 1.025 |
| 10/9/2017 18:00 | 417600 | 19.104 | 14.908 | 43.033 | 41244.258 | 51093.281 | 33.561 | 34743.43  | 24.246 | 1.025 |
| 10/9/2017 18:15 | 418500 | 19.103 | 14.908 | 43.031 | 41196.477 | 51033.121 | 33.517 | 34702.527 | 24.274 | 1.025 |
| 10/9/2017 18:30 | 419400 | 19.105 | 14.911 | 43.036 | 41238.109 | 51081.496 | 33.553 | 34735.422 | 24.249 | 1.025 |
| 10/9/2017 18:45 | 420300 | 19.101 | 14.907 | 43.026 | 41204.582 | 51044.879 | 33.525 | 34710.523 | 24.269 | 1.025 |
| 10/9/2017 19:00 | 421200 | 19.107 | 14.908 | 43.04  | 41184.73  | 51019.43  | 33.507 | 34693.215 | 24.281 | 1.025 |
| 10/9/2017 19:15 | 422100 | 19.104 | 14.906 | 43.033 | 41197.832 | 51038.23  | 33.52  | 34705.996 | 24.273 | 1.025 |
| 10/9/2017 19:30 | 423000 | 19.104 | 14.912 | 43.034 | 41226.648 | 51066.656 | 33.542 | 34725.332 | 24.256 | 1.025 |
| 10/9/2017 19:45 | 423900 | 19.105 | 14.91  | 43.036 | 41235.109 | 51079.598 | 33.551 | 34734.129 | 24.251 | 1.025 |
| 10/9/2017 20:00 | 424800 | 19.103 | 14.908 | 43.032 | 41226.824 | 51071.141 | 33.545 | 34728.379 | 24.256 | 1.025 |
| 10/9/2017 20:15 | 425700 | 19.102 | 14.904 | 43.029 | 41186.551 | 51025.746 | 33.515 | 34697.508 | 24.28  | 1.025 |
| 10/9/2017 20:30 | 426600 | 19.092 | 14.906 | 43.006 | 41233.793 | 51081.613 | 33.552 | 34735.496 | 24.252 | 1.025 |
| 10/9/2017 20:45 | 427500 | 19.091 | 14.907 | 43.005 | 41238.668 | 51087.539 | 33.557 | 34739.527 | 24.249 | 1.025 |
| 10/9/2017 21:00 | 428400 | 19.092 | 14.907 | 43.006 | 41200.969 | 51040.293 | 33.522 | 34707.402 | 24.271 | 1.025 |
| 10/9/2017 21:15 | 429300 | 19.085 | 14.908 | 42.991 | 41231.129 | 51077.016 | 33.549 | 34732.371 | 24.254 | 1.025 |
| 10/9/2017 21:30 | 430200 | 19.084 | 14.906 | 42.989 | 41170.977 | 51004.539 | 33.496 | 34683.086 | 24.289 | 1.025 |
| 10/9/2017 21:45 | 431100 | 19.079 | 14.904 | 42.976 | 41220.527 | 51068.586 | 33.543 | 34726.645 | 24.26  | 1.025 |
| 10/9/2017 22:00 | 432000 | 19.076 | 14.905 | 42.97  | 41239.766 | 51090.926 | 33.559 | 34741.828 | 24.248 | 1.025 |
| 10/9/2017 22:15 | 432900 | 19.071 | 14.906 | 42.959 | 41204.285 | 51046.117 | 33.526 | 34711.359 | 24.269 | 1.025 |
| 10/9/2017 22:30 | 433800 | 19.073 | 14.91  | 42.964 | 41230.023 | 51073.184 | 33.546 | 34729.766 | 24.254 | 1.025 |
| 10/9/2017 22:45 | 434700 | 19.072 | 14.908 | 42.962 | 41212.75  | 51053.93  | 33.532 | 34716.676 | 24.264 | 1.025 |
| 10/9/2017 23:00 | 435600 | 19.067 | 14.908 | 42.949 | 41219.242 | 51061.324 | 33.538 | 34721.703 | 24.261 | 1.025 |
| 10/9/2017 23:15 | 436500 | 19.059 | 14.906 | 42.932 | 41185.82  | 51022.387 | 33.509 | 34695.227 | 24.28  | 1.025 |
| 10/9/2017 23:30 | 437400 | 19.061 | 14.908 | 42.937 | 41218.66  | 51060.715 | 33.537 | 34721.285 | 24.261 | 1.025 |
| 10/9/2017 23:45 | 438300 | 19.055 | 14.909 | 42.922 | 41210.246 | 51049.98  | 33.529 | 34713.988 | 24.266 | 1.025 |
| 10/10/2017 0:00 | 439200 | 19.049 | 14.906 | 42.91  | 41210.156 | 51052.531 | 33.531 | 34715.727 | 24.266 | 1.025 |
| 10/10/2017 0:15 | 440100 | 19.049 | 14.909 | 42.91  | 41225.957 | 51069.008 | 33.543 | 34726.93  | 24.257 | 1.025 |
| 10/10/2017 0:30 | 441000 | 19.047 | 14.909 | 42.906 | 41213.613 | 51054.152 | 33.532 | 34716.828 | 24.264 | 1.025 |
| 10/10/2017 0:45 | 441900 | 19.045 | 14.909 | 42.9   | 41221.238 | 51063.164 |        |           |        |       |

|                  |        |        |        |        |           |           |        |           |        |       |
|------------------|--------|--------|--------|--------|-----------|-----------|--------|-----------|--------|-------|
| 10/10/2017 23:30 | 523800 | 19.038 | 14.902 | 42.884 | 41220.863 | 51070.93  | 33.544 | 34728.238 | 24.26  | 1.025 |
| 10/10/2017 23:45 | 524700 | 19.036 | 14.904 | 42.881 | 41218.867 | 51066.004 | 33.541 | 34724.883 | 24.261 | 1.025 |
| 10/11/2017 0:00  | 525600 | 19.039 | 14.904 | 42.886 | 41203.016 | 51046.035 | 33.526 | 34711.309 | 24.27  | 1.025 |
| 10/11/2017 0:15  | 526500 | 19.032 | 14.903 | 42.872 | 41212.348 | 51059.199 | 33.536 | 34720.258 | 24.265 | 1.025 |
| 10/11/2017 0:30  | 527400 | 19.024 | 14.903 | 42.853 | 41228.496 | 51079.207 | 33.55  | 34733.859 | 24.255 | 1.025 |
| 10/11/2017 0:45  | 528300 | 19.025 | 14.902 | 42.855 | 41229.461 | 51081.793 | 33.552 | 34735.621 | 24.255 | 1.025 |
| 10/11/2017 1:00  | 529200 | 19.019 | 14.902 | 42.842 | 41208.859 | 51055.836 | 33.533 | 34717.973 | 24.267 | 1.025 |
| 10/11/2017 1:15  | 530100 | 19.017 | 14.907 | 42.838 | 41209.824 | 51051.262 | 33.53  | 34714.863 | 24.266 | 1.025 |
| 10/11/2017 1:30  | 531000 | 19.016 | 14.903 | 42.836 | 41232.777 | 51084.094 | 33.554 | 34737.188 | 24.253 | 1.025 |
| 10/11/2017 1:45  | 531900 | 19.016 | 14.903 | 42.836 | 41249.059 | 51104.68  | 33.569 | 34751.188 | 24.243 | 1.025 |
| 10/11/2017 2:00  | 532800 | 19.003 | 14.903 | 42.805 | 41201.191 | 51045.922 | 33.526 | 34711.227 | 24.271 | 1.025 |
| 10/11/2017 2:15  | 533700 | 19.006 | 14.905 | 42.813 | 41223.98  | 51071.805 | 33.545 | 34728.828 | 24.258 | 1.025 |
| 10/11/2017 2:30  | 534600 | 19.001 | 14.9   | 42.803 | 41143.922 | 50977.75  | 33.476 | 34664.871 | 24.305 | 1.025 |
| 10/11/2017 2:45  | 535500 | 18.997 | 14.906 | 42.793 | 41256.289 | 51109.684 | 33.573 | 34754.59  | 24.239 | 1.025 |
| 10/11/2017 3:00  | 536400 | 18.997 | 14.904 | 42.793 | 41212.941 | 51058.563 | 33.535 | 34719.824 | 24.264 | 1.025 |
| 10/11/2017 3:15  | 537300 | 18.991 | 14.903 | 42.78  | 41225.199 | 51074.918 | 33.547 | 34730.945 | 24.257 | 1.025 |
| 10/11/2017 3:30  | 538200 | 18.996 | 14.904 | 42.791 | 41222.855 | 51071.59  | 33.545 | 34728.68  | 24.258 | 1.025 |
| 10/11/2017 3:45  | 539100 | 18.993 | 14.907 | 42.783 | 41224.809 | 51070.246 | 33.544 | 34727.773 | 24.257 | 1.025 |
| 10/11/2017 4:00  | 540000 | 18.986 | 14.906 | 42.768 | 41261.176 | 51115.535 | 33.577 | 34758.563 | 24.236 | 1.025 |
| 10/11/2017 4:15  | 540900 | 18.988 | 14.907 | 42.771 | 41231.539 | 51078.164 | 33.55  | 34733.156 | 24.253 | 1.025 |
| 10/11/2017 4:30  | 541800 | 18.982 | 14.905 | 42.76  | 41196.777 | 51037.773 | 33.52  | 34705.688 | 24.274 | 1.025 |
| 10/11/2017 4:45  | 542700 | 18.982 | 14.906 | 42.76  | 41214.938 | 51058.887 | 33.536 | 34720.043 | 24.263 | 1.025 |
| 10/11/2017 5:00  | 543600 | 18.982 | 14.909 | 42.76  | 41252.84  | 51102.195 | 33.568 | 34749.492 | 24.241 | 1.025 |
| 10/11/2017 5:15  | 544500 | 18.979 | 14.903 | 42.752 | 41225.148 | 51074.645 | 33.547 | 34730.758 | 24.257 | 1.025 |
| 10/11/2017 5:30  | 545400 | 18.977 | 14.906 | 42.748 | 41206.219 | 51048.621 | 33.528 | 34713.063 | 24.268 | 1.025 |
| 10/11/2017 5:45  | 546300 | 18.982 | 14.906 | 42.76  | 41216.875 | 51061.398 | 33.537 | 34721.754 | 24.262 | 1.025 |
| 10/11/2017 6:00  | 547200 | 18.976 | 14.906 | 42.745 | 41239.773 | 51090.082 | 33.558 | 34741.262 | 24.248 | 1.025 |
| 10/11/2017 6:15  | 548100 | 18.981 | 14.906 | 42.757 | 41191.902 | 51030.348 | 33.515 | 34700.637 | 24.277 | 1.025 |
| 10/11/2017 6:30  | 549000 | 18.98  | 14.906 | 42.755 | 41218.18  | 51062.582 | 33.538 | 34722.559 | 24.261 | 1.025 |
| 10/11/2017 6:45  | 549900 | 18.977 | 14.901 | 42.748 | 41199.035 | 51044.633 | 33.525 | 34710.355 | 24.272 | 1.025 |
| 10/11/2017 7:00  | 550800 | 18.976 | 14.904 | 42.744 | 41258.848 | 51116.063 | 33.577 | 34758.922 | 24.237 | 1.025 |
| 10/11/2017 7:15  | 551700 | 18.978 | 14.903 | 42.749 | 41211.543 | 51057.789 | 33.535 | 34719.301 | 24.265 | 1.025 |
| 10/11/2017 7:30  | 552600 | 18.978 | 14.905 | 42.75  | 41248.629 | 51101.582 | 33.567 | 34749.078 | 24.243 | 1.025 |
| 10/11/2017 7:45  | 553500 | 18.978 | 14.905 | 42.749 | 41220.977 | 51067.113 | 33.542 | 34725.641 | 24.259 | 1.025 |
| 10/11/2017 8:00  | 554400 | 18.975 | 14.904 | 42.742 | 41202.645 | 51046.008 | 33.526 | 34711.289 | 24.27  | 1.025 |
| 10/11/2017 8:15  | 555300 | 18.972 | 14.903 | 42.736 | 41213.914 | 51060.727 | 33.537 | 34721.293 | 24.264 | 1.025 |
| 10/11/2017 8:30  | 556200 | 18.976 | 14.909 | 42.744 | 41230.941 | 51075.07  | 33.548 | 34731.047 | 24.254 | 1.025 |
| 10/11/2017 8:45  | 557100 | 18.974 | 14.906 | 42.742 | 41196.793 | 51036.723 | 33.519 | 34704.977 | 24.274 | 1.025 |
| 10/11/2017 9:00  | 558000 | 18.981 | 14.904 | 42.756 | 41196.75  | 51039.25  | 33.521 | 34706.691 | 24.274 | 1.025 |
| 10/11/2017 9:15  | 558900 | 18.976 | 14.907 | 42.745 | 41227.105 | 51072.996 | 33.546 | 34729.637 | 24.256 | 1.025 |
| 10/11/2017 9:30  | 559800 | 18.98  | 14.907 | 42.754 | 41216.176 | 51059.555 | 33.536 | 34720.496 | 24.262 | 1.025 |
| 10/11/2017 9:45  | 560700 | 18.981 | 14.906 | 42.757 | 41219.566 | 51064.086 | 33.54  | 34723.578 | 24.26  | 1.025 |
| 10/11/2017 10:00 | 561600 | 18.976 | 14.907 | 42.745 | 41218.902 | 51062.508 | 33.538 | 34722.504 | 24.261 | 1.025 |
| 10/11/2017 10:15 | 562500 | 18.982 | 14.908 | 42.758 | 41260.758 | 51113.613 | 33.576 | 34757.258 | 24.236 | 1.025 |
| 10/11/2017 10:30 | 563400 | 18.977 | 14.911 | 42.748 | 41243.652 | 51088.891 | 33.558 | 34740.449 | 24.246 | 1.025 |
| 10/11/2017 10:45 | 564300 | 18.978 | 14.907 | 42.749 | 41235     | 51082.449 | 33.553 | 34736.07  | 24.251 | 1.025 |
| 10/11/2017 11:00 | 565200 | 18.98  | 14.908 | 42.753 | 41235.27  | 51082.148 | 33.553 | 34735.863 | 24.251 | 1.025 |
| 10/11/2017 11:15 | 566100 | 18.981 | 14.903 | 42.756 | 41206.832 | 51052.594 | 33.531 | 34715.766 | 24.268 | 1.025 |
| 10/11/2017 11:30 | 567000 | 18.982 | 14.903 | 42.76  | 41226.125 | 51075.852 | 33.548 | 34731.578 | 24.256 | 1.025 |
| 10/11/2017 11:45 | 567900 | 18.978 | 14.908 | 42.75  | 41215.164 | 51057.023 | 33.534 | 34718.781 | 24.263 | 1.025 |
| 10/11/2017 12:00 | 568800 | 18.984 | 14.907 | 42.764 | 41219.934 | 51064.328 | 33.54  | 34723.742 | 24.26  | 1.025 |
| 10/11/2017 12:15 | 569700 | 18.988 | 14.905 | 42.773 | 41231.539 | 51080.199 | 33.551 | 34734.535 | 24.253 | 1.025 |
| 10/11/2017 12:30 | 570600 | 18.989 | 14.906 | 42.774 | 41243.066 | 51093.848 | 33.561 | 34743.816 | 24.247 | 1.025 |
| 10/11/2017 12:45 | 571500 | 18.99  | 14.907 | 42.776 | 41238.789 | 51086.832 | 33.556 | 34739.047 | 24.249 | 1.025 |
| 10/11/2017 13:00 | 572400 | 18.995 | 14.904 | 42.788 | 41219.738 | 51066.863 | 33.541 | 34725.473 | 24.26  | 1.025 |
| 10/11/2017 13:15 | 573300 | 19     | 14.906 | 42.799 | 41196.531 | 51035.984 | 33.519 | 34704.473 | 24.274 | 1.025 |
| 10/11/2017 13:30 | 574200 | 18.999 | 14.905 | 42.797 | 41209.254 | 51052.59  | 33.531 | 34715.762 | 24.266 | 1.025 |
| 10/11/2017 13:45 | 575100 | 19.003 | 14.91  | 42.806 | 41252.57  | 51100.684 | 33.567 | 34748.465 | 24.241 | 1.025 |
| 10/11/2017 14:00 | 576000 | 19.001 | 14.907 | 42.803 | 41227.348 | 51072.434 | 33.546 | 34729.254 | 24.256 | 1.025 |
| 10/11/2017 14:15 | 576900 | 19.013 | 14.906 | 42.829 | 41229.031 | 51075.918 | 33.548 | 34731.629 | 24.255 | 1.025 |
| 10/11/2017 14:30 | 577800 | 19.012 | 14.906 | 42.826 | 41199.496 | 51039.328 | 33.521 | 34706.746 | 24.272 | 1.025 |
| 10/11/2017 14:45 | 578700 | 19.021 | 14.906 | 42.847 | 41241.266 | 51091.184 | 33.559 | 34742.004 | 24.248 | 1.025 |
| 10/11/2017 15:00 | 579600 | 19.022 | 14.909 | 42.848 | 41227.641 | 51071.297 | 33.545 | 34728.48  | 24.256 | 1.025 |
| 10/11/2017 15:15 | 580500 | 19.025 | 14.907 | 42.856 | 41221.723 | 51066.227 | 33.541 | 34725.035 | 24.259 | 1.025 |
| 10/11/2017 15:30 | 581400 | 19.028 | 14.907 | 42.862 | 41223.648 | 51068.711 | 33.543 | 34726.723 | 24.258 | 1.025 |
| 10/11/2017 15:45 | 582300 | 19.031 | 14.905 | 42.869 | 41242.168 | 51094.105 | 33.561 | 34743.996 | 24.247 | 1.025 |
| 10/11/2017 16:00 | 583200 | 19.035 | 14.908 | 42.877 | 41216.895 | 51058.637 | 33.536 | 34719.875 | 24.262 | 1.025 |
| 10/11/2017 16:15 | 584100 | 19.04  | 14.904 | 42.889 | 41223.352 | 51071.23  | 33.545 | 34728.438 | 24.258 | 1.025 |
| 10/11/2017 16:30 | 585000 | 19.046 | 14.903 | 42.902 | 41220.035 | 51068.52  | 33.542 | 34726.598 | 24.26  | 1.025 |
| 10/11/2017 16:45 | 585900 | 19.048 | 14.904 | 42.907 | 41215.418 | 51062.379 | 33.538 | 34722.418 | 24.263 | 1.025 |
| 10/11/2017 17:00 | 586800 | 19.055 | 14.903 | 42.922 | 41202.512 | 51047.242 | 33.527 | 34712.129 | 24.27  | 1.025 |
| 10/11/2017 17:15 | 587700 | 19.054 | 14.904 | 42.921 | 41210.969 | 51056.539 | 33.534 | 34718.449 | 24.265 | 1.025 |
| 10/11/2017 17:30 | 588600 | 19.06  | 14.906 | 42.935 | 41265.203 | 51120.621 | 33.581 | 34762.023 | 24.233 | 1.025 |
| 10/11/2017 17:45 | 589500 | 19.066 | 14.904 | 42.948 | 41210.535 | 51055.25  | 33.533 | 34717.57  | 24.266 | 1.025 |
| 10/11/2017 18:00 | 590400 | 19.066 | 14.905 | 42.948 | 41233.414 | 51083.492 | 33.554 | 34736.773 | 24.252 | 1.025 |
| 10/11/2017 18:15 | 591300 | 19.065 | 14.904 | 42.947 | 41172.684 | 51008.566 | 33.499 | 34685.824 | 24.288 | 1.025 |
| 10/11/2017 18:30 | 592200 | 19.839 | 14.88  | 44.688 | 41166.383 | 51029.836 | 33.512 | 34700.289 | 24.292 | 1.025 |
| 10/11/2017 18:45 | 593100 | 20.01  | 14.876 | 45.075 | 41146.66  | 51010.195 | 33.497 | 34686.934 | 24.303 | 1.025 |
| 10/11/2017 19:00 | 594000 | 20.138 | 14.872 | 45.364 | 41145.914 | 51014.211 | 33.5   | 34689.668 | 24.304 | 1.025 |
| 10/11/2017 19:15 | 594900 | 20.246 | 14.871 | 45.605 | 41160.055 | 51032.703 | 33.514 | 34702.238 | 24.295 | 1.025 |
| 10/11/2017 19:30 | 595800 | 20.337 | 14.87  | 45.811 | 41174.941 | 51052.555 | 33.528 | 34715.738 | 24.287 | 1.025 |
| 10/11/2017 19:45 | 596700 | 20.416 | 14.863 | 45.989 | 41169.023 | 51054     | 33.529 | 34716.719 | 24.29  | 1.025 |
| 10/11/2017 20:00 | 597600 | 20.483 | 14.862 | 46.139 | 41170.586 | 51056.883 | 33.531 | 34718.68  | 24.289 | 1.025 |
| 10/11/2017 20:15 | 598500 | 20.544 | 14.858 | 46.277 | 41175.289 | 51067.551 | 33.538 | 34725.938 | 24.286 | 1.025 |
| 10/11/2017 20:30 | 599400 | 20.599 | 14.856 | 46.401 | 41140.473 | 51027.352 | 33.508 | 34698.602 | 24.307 | 1.025 |
| 10/11/2017 20:45 | 600300 | 20.648 | 14.852 | 46.513 | 41170.344 | 51068.703 | 33.538 | 34726.719 | 24.289 | 1.025 |
| 10/11/2017 21:00 | 601200 | 20.696 | 14.854 | 46.621 | 41132.703 | 51019.75  | 33.503 | 34693.434 | 24.312 | 1.025 |
| 10/11/2017 21:15 | 60210  |        |        |        |           |           |        |           |        |       |

Report Date: 10/13/2017 8:35  
Report User Name: WMassoll  
Report Computer Name: WKST52  
Application: WinSitu.exe  
Application Version: 5.6.27.1

Log File Properties

|             |                                                           |
|-------------|-----------------------------------------------------------|
| File Name   | MPWSP MW-3D LT Test_2017-10-12_09-26-52-610-BaroMerge.wsl |
| Create Date | 10/13/2017 8:31                                           |

|                   |                      |        |                |  |
|-------------------|----------------------|--------|----------------|--|
| Device Properties |                      |        |                |  |
| Device            | Aqua TROLL 200       |        |                |  |
| Site              | MPWSP MW-3D (446752) |        |                |  |
| Device Name       |                      |        |                |  |
| Serial Number     | 446752               |        |                |  |
| Firmware Version  | 2.01                 |        |                |  |
| Hardware Version  | 4                    |        |                |  |
| Device Address    | 1                    |        |                |  |
| Device Comm Cfg   | 19200                | 8 Even | 1 (Modbus-RTU) |  |
| Used Memory       | 0                    |        |                |  |
| Used Battery      | 0                    |        |                |  |

|                   |                      |                                            |
|-------------------|----------------------|--------------------------------------------|
| Log Configuration | Log Name             | MWPSP MW-3D LT Test                        |
|                   | Created By           | KMaker                                     |
|                   | Computer Name        | WIN8BOOK10                                 |
|                   | Application          | WinStim.exe                                |
|                   | Application Version  | 5.6.25.0                                   |
|                   | Create Date          | 3/9/2016 6:36:33 PM Pacific Standard Time  |
|                   | Log Setup Time Zone  | Pacific Standard Time                      |
|                   | Notes Size(bytes)    | 4096                                       |
|                   | Overwrite when full  | Enabled                                    |
|                   | Scheduled Start Time | 3/10/2016 9:00:00 AM Pacific Standard Time |
|                   | Scheduled Stop Time  | No Stop Time                               |
|                   | Type                 | Linear                                     |
|                   | Interval             | Days: 0 hrs: 00 mins: 15 secs: 00          |

| Level Reference Settings At Log Creation | Level Measurement Mode | Depth |
|------------------------------------------|------------------------|-------|
| Specific Gravity                         |                        | 1.024 |

|                              |                          |  |        |
|------------------------------|--------------------------|--|--------|
| Other Log Settings           |                          |  |        |
| Depth of Probe:              | 34.0141 (ft)             |  |        |
| Head Pressure:               | 15.0999 (PSI)            |  |        |
| Temperature:                 | 22.8666 (C)              |  |        |
| Specific Conductivity Model: | Standard Methods         |  |        |
|                              | Reference Temperature:   |  | 25     |
|                              | Temperature Coefficient: |  | 0.0191 |
| TDS Factor:                  | 0.68                     |  |        |

Date: Note

3/9/2016 18:36 Used Battery: 0% Used Memory: 3% User Name: KMaKar  
3/9/2016 18:37 Sensor SN: 446752 Cache Timeout: 1000 User Name: KMaKar  
3/9/2016 18:37 Device Action Failed  
3/9/2016 18:39 Device Put Online  
3/9/2016 18:39 Sensor SN: 446752 Cache Timeout: 1750 User Name: KMaKar  
3/9/2016 17:02 Log Download - Used Battery: 0% Used Memory: 3% User Name: Skuiper Interval - Start Time: 3/17/2016 9:00:00 AM Stop Time: 3/17/2016 5:00:00 PM  
3/24/2016 13:04 Log Download - Used Battery: 1% Used Memory: 4% User Name: KMaKar Interval - Start Time: 3/15/2016 12:00:00 PM Stop Time: 3/24/2016 11:55:00 PM  
3/31/2016 8:47 Log Download - Used Battery: 1% Used Memory: 4% User Name: Skuiper Interval - Start Time: 3/22/2016 12:00:00 PM Stop Time: 3/31/2016 9:30:00 AM  
3/31/2016 13:07 Log Download - Used Battery: 1% Used Memory: 4% User Name: Skuiper Interval - Start Time: 3/24/2016 12:00:00 PM Stop Time: 3/31/2016 9:30:00 AM  
4/14/2016 12:53 Log Download - Used Battery: 2% Used Memory: 6% User Name: Skuiper Interval - Start Time: 4/5/2016 12:00:00 PM Stop Time: 4/14/2016 1:45:00 PM  
4/21/2016 11:16 Log Download - Used Battery: 2% Used Memory: 7% User Name: Elinden Interval - Start Time: 4/12/2016 1:30:00 PM Stop Time: 4/21/2016 12:15:00 PM  
4/28/2016 15:06 Log Download - Used Battery: 2% Used Memory: 7% User Name: KMaKar Interval - Start Time: 4/19/2016 5:00:00 PM Stop Time: 4/28/2016 3:00:00 PM  
5/5/2016 10:41 Log Download - Used Battery: 3% Used Memory: 9% User Name: Skuiper Interval - Start Time: 3/31/2016 12:00:00 PM Stop Time: 5/5/2016 10:30:00 AM  
5/12/2016 12:05 Log Download - Used Battery: 3% Used Memory: 9% User Name: Skuiper Interval - Start Time: 5/3/2016 12:00:00 PM Stop Time: 5/12/2016 12:00:00 PM  
5/12/2016 14:53 Log Download - Used Battery: 4% Used Memory: 10% User Name: Elinden Interval - Start Time: 5/3/2016 12:00:00 PM Stop Time: 5/12/2016 3:30:00 PM  
5/26/2016 13:29 Log Download - Used Battery: 4% Used Memory: 10% User Name: Skuiper Interval - Start Time: 5/17/2016 6:00:00 PM Stop Time: 5/26/2016 2:00:00 PM  
6/2/2016 14:01 Log Download - Used Battery: 4% Used Memory: 12% User Name: Skuiper Interval - Start Time: 4/31/2016 10:00:00 PM Stop Time: 6/2/2016 2:44:45 PM  
6/9/2016 10:11 Log Download - Used Battery: 5% Used Memory: 12% User Name: CShaw Interval - Start Time: 5/3/2016 5:00:00 PM Stop Time: 6/9/2016 11:00:00 AM  
6/16/2016 16:19 Log Download - Used Battery: 5% Used Memory: 14% User Name: Skuiper Interval - Start Time: 6/7/2016 10:30:00 AM Stop Time: 6/16/2016 5:15:00 PM  
6/23/2016 11:55 Log Download - Used Battery: 5% Used Memory: 14% User Name: Skuiper Interval - Start Time: 6/15/2016 10:00:00 PM Stop Time: 6/23/2016 12:00:00 PM  
7/1/2016 7:41 Log Download - Used Battery: 6% Used Memory: 15% User Name: Skuiper Interval - Start Time: 5/31/2016 10:00:00 PM Stop Time: 7/1/2016 7:15:00 PM  
7/8/2016 6:42 Log Download - Used Battery: 6% Used Memory: 15% User Name: Skuiper Interval - Start Time: 6/29/2016 10:00:00 PM Stop Time: 7/8/2016 4:15:00 PM  
7/14/2016 19:36 Log Download - Used Battery: 6% Used Memory: 17% User Name: Elinden Interval - Start Time: 7/5/2016 12:00:00 PM Stop Time: 7/14/2016 8:30:00 PM  
7/21/2016 12:16 Log Download - Used Battery: 7% Used Memory: 17% User Name: Skuiper Interval - Start Time: 7/13/2016 10:00:00 PM Stop Time: 7/21/2016 12:15:00 PM  
7/28/2016 9:23 Log Download - Used Battery: 7% Used Memory: 18% User Name: Skuiper Interval - Start Time: 7/20/2016 10:00:00 PM Stop Time: 7/28/2016 10:00:00 AM  
8/4/2016 9:13 Log Download - Used Battery: 8% Used Memory: 18% User Name: Skuiper Interval - Start Time: 6/30/2016 10:00:00 PM Stop Time: 8/4/2016 9:45:00 AM  
8/18/2016 9:11 Log Download - Used Battery: 8% Used Memory: 20% User Name: Elinden Interval - Start Time: 8/3/2016 12:00:00 PM Stop Time: 8/18/2016 1:50:45 PM  
8/25/2016 9:16 Log Download - Used Battery: 8% Used Memory: 21% User Name: Skuiper Interval - Start Time: 8/10/2016 10:00:00 PM Stop Time: 8/25/2016 8:35:00 PM  
8/31/2016 16:13 Log Download - Used Battery: 9% Used Memory: 21% User Name: Elinden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/31/2016 5:00:00 PM  
9/1/2016 12:53 Log Download - Used Battery: 9% Used Memory: 23% User Name: skuiper Interval - Start Time: 7/31/2016 10:00:00 PM Stop Time: 9/1/2016 1:45:00 PM  
9/8/2016 11:08 Log Download - Used Battery: 9% Used Memory: 23% User Name: Skuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/8/2016 6:15:00 PM  
9/9/2016 11:10 Log Download - Used Battery: 9% Used Memory: 23% User Name: Skuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/9/2016 11:00:00 AM  
9/9/2016 10:00 Log Download - Used Battery: 9% Used Memory: 23% User Name: Skuiper Interval - Start Time: 9/1/2016 12:00:00 PM Stop Time: 10/20/2016 8:00:00 AM  
9/22/2016 15:10 Log Download - Used Battery: 10% Used Memory: 25% User Name: Anoris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 4:00:00 PM  
10/2/2016 7:50 Log Download - Used Battery: 11% Used Memory: 26% User Name: Anoris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/2/2016 8:49:58 AM  
10/7/2016 18:02 Log Download - Used Battery: 11% Used Memory: 26% User Name: Skuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/7/2016 6:00:00 PM  
10/13/2016 9:39 Log Download - Used Battery: 11% Used Memory: 28% User Name: Skuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 8:00:00 PM  
10/13/2016 8:49 Log Download - Used Battery: 12% Used Memory: 28% User Name: Skuiper Interval - Start Time: 10/12/2016 12:00:00 AM Stop Time: 10/20/2016 7:45:00 PM  
9/26/2016 8:52 Log Download - Used Battery: 12% Used Memory: 28% User Name: Skuiper Interval - Start Time: 9/20/2016 12:00:00 PM Stop Time: 10/20/2016 8:45:00 AM  
10/27/2016 9:57 Log Download - Used Battery: 12% Used Memory: 29% User Name: Skuiper Interval - Start Time: 10/19/2016 10:00:00 PM Stop Time: 10/27/2016 9:45:00 AM  
11/1/2016 8:51 Log Download - Used Battery: 12% Used Memory: 29% User Name: Skuiper Interval - Start Time: 9/30/2016 10:00:00 PM Stop Time: 11/3/2016 6:15:00 PM  
11/10/2016 13:01 Log Download - Used Battery: 13% Used Memory: 31% User Name: Skuiper Interval - Start Time: 11/2/2016 10:00:00 PM Stop Time: 11/10/2016 11:55:00 PM  
11/17/2016 8:14 Log Download - Used Battery: 13% Used Memory: 31% User Name: Skuiper Interval - Start Time: 11/9/2016 10:00:00 PM Stop Time: 11/17/2016 9:00:00 PM  
11/24/2016 15:02 Log Download - Used Battery: 13% Used Memory: 32% User Name: Skuiper Interval - Start Time: 11/15/2016 10:00:00 PM Stop Time: 11/24/2016 4:00:00 PM  
12/1/2016 15:53 Log Download - Used Battery: 14% Used Memory: 32% User Name: Skuiper Interval - Start Time: 10/31/2016 10:00:00 PM Stop Time: 12/1/2016 1:45:00 PM  
12/1/2016 10:08 Log Download - Used Battery: 14% Used Memory: 34% User Name: Skuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 12/1/2016 8:45:00 AM  
12/8/2016 8:44 Log Download - Used Battery: 14% Used Memory: 34% User Name: Skuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 12/8/2016 11:00:00 AM  
12/15/2016 8:07 Log Download - Used Battery: 14% Used Memory: 34% User Name: Skuiper Interval - Start Time: 12/7/2016 10:00:00 PM Stop Time: 12/15/2016 11:55:00 AM  
12/22/2016 18:55 Log Download - Used Battery: 15% Used Memory: 35% User Name: Anoris Interval - Start Time: 12/14/2016 10:00:00 PM Stop Time: 12/22/2016 7:45:00 PM  
1/5/2017 14:25 Log Download - Used Battery: 16% Used Memory: 37% User Name: Skuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 1/5/2017 2:40:00 PM  
1

Log Data:  
Record Count 718

|         |   |                                      |
|---------|---|--------------------------------------|
| Sensors | 2 |                                      |
|         | 1 | 446752 PCTD 100 PSIA (60.1m/197.3ft) |
|         | 2 | 0 Baro-Adjustment Calc               |

| Time Zone: Pacific Daylight Time |                         |                                        |                 |                                        |                             |                                        |                |                                        |                      |                                        |                           |                                        |  |                                        |  |                                        |  |                                      |  |
|----------------------------------|-------------------------|----------------------------------------|-----------------|----------------------------------------|-----------------------------|----------------------------------------|----------------|----------------------------------------|----------------------|----------------------------------------|---------------------------|----------------------------------------|--|----------------------------------------|--|----------------------------------------|--|--------------------------------------|--|
| Date and Time                    | Elapsed Time<br>Seconds | Sensor: PCTD(A) 197.3ft<br>SNR: 446752 |                 | Sensor: PCTD(A) 197.3ft<br>SNR: 446752 |                             | Sensor: PCTD(A) 197.3ft<br>SNR: 446752 |                | Sensor: PCTD(A) 197.3ft<br>SNR: 446752 |                      | Sensor: PCTD(A) 197.3ft<br>SNR: 446752 |                           | Sensor: PCTD(A) 197.3ft<br>SNR: 446752 |  | Sensor: PCTD(A) 197.3ft<br>SNR: 446752 |  | Sensor: PCTD(A) 197.3ft<br>SNR: 446752 |  | Sensor: Baro-Adj Calc<br>SNR: 000000 |  |
|                                  |                         | Corrected<br>Pressure (PSI)            | Temperature (C) | Corrected<br>Depth (ft)                | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm)          | Salinity (PSU) | Total Dissolved Solids (ppt)           | Resistivity (ohm-cm) | Water Density (g/cm3)                  | Barometric Pressure (PSI) |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 0:00                   | 7200                    | 123.324                                | 19.638          | 277.799                                | 41526.379                   | 46264.613                              | 30.316         | 31.46                                  | 24.081               | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 0:15                   | 8100                    | 123.299                                | 19.636          | 277.743                                | 41510.289                   | 46248.91                               | 30.305         | 31.449                                 | 24.09                | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 0:30                   | 9000                    | 123.271                                | 19.636          | 277.68                                 | 41505.496                   | 46243.66                               | 30.301         | 31.446                                 | 24.093               | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 0:45                   | 9900                    | 123.249                                | 19.641          | 277.631                                | 41544.211                   | 46281.383                              | 30.329         | 31.471                                 | 24.071               | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 1:00                   | 10800                   | 123.222                                | 19.645          | 277.57                                 | 41514.008                   | 46243.961                              | 30.302         | 31.446                                 | 24.088               | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 1:15                   | 11700                   | 123.176                                | 19.643          | 277.467                                | 41533.039                   | 46267.473                              | 30.319         | 31.462                                 | 24.077               | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 1:30                   | 12600                   | 123.142                                | 19.641          | 277.39                                 | 41519.16                    | 46253.395                              | 30.308         | 31.452                                 | 24.085               | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 1:45                   | 13500                   | 123.107                                | 19.633          | 277.312                                | 41519.137                   | 46261.34                               | 30.314         | 31.458                                 | 24.085               | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 2:00                   | 14400                   | 123.072                                | 19.632          | 277.231                                | 41517.449                   | 46260.492                              | 30.313         | 31.457                                 | 24.086               | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 2:15                   | 15300                   | 123.033                                | 19.634          | 277.144                                | 41535.07                    | 46278.242                              | 30.326         | 31.469                                 | 24.076               | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 2:30                   | 16200                   | 122.997                                | 19.645          | 277.062                                | 41545.238                   | 46278.676                              | 30.327         | 31.47                                  | 24.07                | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 2:45                   | 17100                   | 122.96                                 | 19.641          | 276.979                                | 41510.211                   | 46243.855                              | 30.301         | 31.446                                 | 24.09                | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 3:00                   | 18000                   | 122.929                                | 19.639          | 276.909                                | 41521.176                   | 46254.438                              | 30.309         | 31.453                                 | 24.089               | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 3:15                   | 18900                   | 122.888                                | 19.635          | 276.818                                | 41498.039                   | 46236.125                              | 30.296         | 31.441                                 | 24.098               | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 3:30                   | 19800                   | 122.868                                | 19.632          | 276.771                                | 41502.438                   | 46243.93                               | 30.301         | 31.446                                 | 24.095               | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 3:45                   | 20700                   | 122.841                                | 19.631          | 276.711                                | 41519.945                   | 46264.047                              | 30.316         | 31.46                                  | 24.085               | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 4:00                   | 21600                   | 122.814                                | 19.626          | 276.65                                 | 41542.949                   | 46294.484                              | 30.338         | 31.48                                  | 24.071               | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 4:15                   | 22500                   | 122.797                                | 19.631          | 276.612                                | 41532.898                   | 46278.816                              | 30.327         | 31.457                                 | 24.077               | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 4:30                   | 23400                   | 122.789                                | 19.625          | 276.594                                | 41506.848                   | 46255.625                              | 30.309         | 31.454                                 | 24.092               | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 4:45                   | 24300                   | 122.78                                 | 19.63           | 276.578                                | 41538.262                   | 46285.742                              | 30.332         | 31.474                                 | 24.074               | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 5:00                   | 25200                   | 122.777                                | 19.627          | 276.568                                | 41514.961                   | 46262.863                              | 30.315         | 31.459                                 | 24.088               | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 5:15                   | 26100                   | 122.766                                | 19.641          | 276.542                                | 41511.848                   | 46245.074                              | 30.302         | 31.447                                 | 24.09                | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 5:30                   | 27000                   | 122.783                                | 19.64           | 276.58                                 | 41528.539                   | 46265.219                              | 30.317         | 31.46                                  | 24.08                | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 5:45                   | 27900                   | 122.785                                | 19.634          | 276.584                                | 41524.109                   | 46266.027                              | 30.317         | 31.461                                 | 24.082               | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 6:00                   | 28800                   | 122.806                                | 19.625          | 276.633                                | 41525.09                    | 46275.867                              | 30.324         | 31.468                                 | 24.082               | 1.021                                  |                           |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 6:15                   | 29700                   | 122.822                                | 19.622          | 276.668                                | 41506.176                   | 46257.707                              | 30.311         | 31.455                                 | 24.093               |                                        |                           |                                        |  |                                        |  |                                        |  |                                      |  |

|                 |        |         |        |         |           |           |        |        |        |       |        |
|-----------------|--------|---------|--------|---------|-----------|-----------|--------|--------|--------|-------|--------|
| 10/5/2017 17:00 | 68400  | 122.833 | 19.625 | 276.693 | 41538.07  | 46290.066 | 30.335 | 31.477 | 24.074 | 1.021 | 14.707 |
| 10/5/2017 17:15 | 69300  | 122.817 | 19.634 | 276.657 | 41512.406 | 46252.809 | 30.308 | 31.452 | 24.089 | 1.021 | 14.708 |
| 10/5/2017 17:30 | 70200  | 122.818 | 19.632 | 276.66  | 41537.488 | 46283.168 | 30.33  | 31.473 | 24.075 | 1.021 | 14.704 |
| 10/5/2017 17:45 | 71100  | 122.818 | 19.634 | 276.659 | 41570.262 | 46317.707 | 30.355 | 31.496 | 24.056 | 1.021 | 14.703 |
| 10/5/2017 18:00 | 72000  | 122.82  | 19.641 | 276.665 | 41522.809 | 46257.539 | 30.311 | 31.455 | 24.083 | 1.021 | 14.706 |
| 10/5/2017 18:15 | 72900  | 122.837 | 19.644 | 276.703 | 41568.766 | 46306.258 | 30.347 | 31.488 | 24.057 | 1.021 | 14.7   |
| 10/5/2017 18:30 | 73800  | 122.859 | 19.645 | 276.751 | 41553.426 | 46288.051 | 30.346 | 31.476 | 24.065 | 1.021 | 14.705 |
| 10/5/2017 18:45 | 74700  | 122.879 | 19.633 | 276.798 | 41511.965 | 46253.527 | 30.308 | 31.452 | 24.089 | 1.021 | 14.704 |
| 10/5/2017 19:00 | 75600  | 122.906 | 19.625 | 276.858 | 41506.883 | 46255.664 | 30.309 | 31.454 | 24.092 | 1.021 | 14.7   |
| 10/5/2017 19:15 | 76500  | 122.929 | 19.639 | 276.91  | 41523.18  | 46260.195 | 30.313 | 31.457 | 24.083 | 1.021 | 14.701 |
| 10/5/2017 19:30 | 77400  | 122.966 | 19.635 | 276.992 | 41523.539 | 46263.84  | 30.316 | 31.459 | 24.083 | 1.021 | 14.704 |
| 10/5/2017 19:45 | 78300  | 122.99  | 19.645 | 277.048 | 41549.844 | 46283.379 | 30.331 | 31.473 | 24.067 | 1.021 | 14.709 |
| 10/5/2017 20:00 | 79200  | 123.02  | 19.64  | 277.142 | 41548.959 | 46288.148 | 30.334 | 31.476 | 24.058 | 1.021 | 14.705 |
| 10/5/2017 20:15 | 80100  | 123.066 | 19.644 | 277.218 | 41537.328 | 46270.637 | 30.321 | 31.464 | 24.075 | 1.021 | 14.708 |
| 10/5/2017 20:30 | 81000  | 123.101 | 19.642 | 277.297 | 41550.059 | 46286.531 | 30.333 | 31.475 | 24.067 | 1.021 | 14.714 |
| 10/5/2017 20:45 | 81900  | 123.146 | 19.625 | 277.399 | 41492.172 | 46239.184 | 30.297 | 31.443 | 24.101 | 1.021 | 14.71  |
| 10/5/2017 21:00 | 82800  | 123.175 | 19.628 | 277.464 | 41492.445 | 46236.836 | 30.296 | 31.441 | 24.101 | 1.021 | 14.717 |
| 10/5/2017 21:15 | 83700  | 123.214 | 19.626 | 277.551 | 41535.492 | 46286.082 | 30.332 | 31.475 | 24.076 | 1.021 | 14.718 |
| 10/5/2017 21:30 | 84600  | 123.253 | 19.626 | 277.64  | 41521.078 | 46270.711 | 30.32  | 31.464 | 24.084 | 1.021 | 14.717 |
| 10/5/2017 21:45 | 85500  | 123.284 | 19.622 | 277.71  | 41493.051 | 46243.246 | 30.3   | 31.445 | 24.1   | 1.021 | 14.719 |
| 10/5/2017 22:00 | 86400  | 123.319 | 19.63  | 277.787 | 41518.586 | 46263.734 | 30.315 | 31.459 | 24.086 | 1.021 | 14.718 |
| 10/5/2017 22:15 | 87300  | 123.348 | 19.624 | 277.853 | 41512.699 | 46262.914 | 30.315 | 31.459 | 24.089 | 1.021 | 14.715 |
| 10/5/2017 22:30 | 88200  | 123.369 | 19.626 | 277.9   | 41503.543 | 46250.914 | 30.306 | 31.451 | 24.094 | 1.021 | 14.721 |
| 10/5/2017 22:45 | 89100  | 123.379 | 19.629 | 277.924 | 41550.797 | 46300.484 | 30.342 | 31.484 | 24.067 | 1.021 | 14.724 |
| 10/5/2017 23:00 | 90000  | 123.394 | 19.624 | 277.958 | 41539.055 | 46292.203 | 30.336 | 31.479 | 24.074 | 1.021 | 14.724 |
| 10/5/2017 23:15 | 90900  | 123.405 | 19.625 | 277.981 | 41518.73  | 46268.781 | 30.319 | 31.463 | 24.086 | 1.021 | 14.726 |
| 10/5/2017 23:30 | 91800  | 123.417 | 19.627 | 278.009 | 41522.559 | 46270.813 | 30.321 | 31.464 | 24.083 | 1.021 | 14.719 |
| 10/5/2017 23:45 | 92700  | 123.404 | 19.634 | 277.979 | 41538.809 | 46281.887 | 30.329 | 31.472 | 24.074 | 1.021 | 14.727 |
| 10/6/2017 0:00  | 93600  | 123.405 | 19.633 | 277.982 | 41529.418 | 46272.543 | 30.322 | 31.465 | 24.079 | 1.021 | 14.726 |
| 10/6/2017 0:15  | 94500  | 123.401 | 19.624 | 277.973 | 41512.707 | 46263.258 | 30.315 | 31.459 | 24.089 | 1.021 | 14.724 |
| 10/6/2017 0:30  | 95400  | 123.376 | 19.631 | 277.938 | 41522.73  | 46263.199 | 30.325 | 31.459 | 24.083 | 1.021 | 14.729 |
| 10/6/2017 0:45  | 96300  | 123.362 | 19.629 | 277.884 | 41540.977 | 46289.961 | 30.335 | 31.477 | 24.073 | 1.021 | 14.725 |
| 10/6/2017 1:00  | 97200  | 123.341 | 19.636 | 277.838 | 41541.258 | 46282.645 | 30.33  | 31.472 | 24.072 | 1.021 | 14.727 |
| 10/6/2017 1:15  | 98100  | 123.322 | 19.634 | 277.796 | 41466.16  | 46201.363 | 30.27  | 31.417 | 24.116 | 1.021 | 14.722 |
| 10/6/2017 1:30  | 99000  | 123.291 | 19.641 | 277.725 | 41538.25  | 46274.66  | 30.324 | 31.467 | 24.074 | 1.021 | 14.721 |
| 10/6/2017 1:45  | 99900  | 123.256 | 19.644 | 277.647 | 41523.445 | 46255.77  | 30.31  | 31.454 | 24.083 | 1.021 | 14.729 |
| 10/6/2017 2:00  | 100800 | 123.229 | 19.641 | 277.585 | 41519.633 | 46254.485 | 30.309 | 31.453 | 24.085 | 1.021 | 14.729 |
| 10/6/2017 2:15  | 101700 | 123.196 | 19.635 | 277.511 | 41498.871 | 46237.133 | 30.296 | 31.441 | 24.097 | 1.021 | 14.73  |
| 10/6/2017 2:30  | 102600 | 123.156 | 19.643 | 277.422 | 41485.16  | 46213.539 | 30.279 | 31.425 | 24.105 | 1.021 | 14.728 |
| 10/6/2017 2:45  | 103500 | 123.125 | 19.644 | 277.351 | 41520.945 | 46252.207 | 30.308 | 31.452 | 24.084 | 1.021 | 14.727 |
| 10/6/2017 3:00  | 104400 | 123.087 | 19.629 | 277.265 | 41550.23  | 46299.508 | 30.342 | 31.484 | 24.067 | 1.021 | 14.726 |
| 10/6/2017 3:15  | 105300 | 123.062 | 19.623 | 277.21  | 41517.234 | 46269.434 | 30.319 | 31.463 | 24.086 | 1.021 | 14.724 |
| 10/6/2017 3:30  | 106200 | 123.017 | 19.621 | 277.107 | 41507.488 | 46259.007 | 30.317 | 31.457 | 24.092 | 1.021 | 14.73  |
| 10/6/2017 3:45  | 107100 | 122.995 | 19.622 | 277.058 | 41549.52  | 46305.535 | 30.346 | 31.488 | 24.068 | 1.021 | 14.726 |
| 10/6/2017 4:00  | 108000 | 122.966 | 19.626 | 276.994 | 41512.535 | 46261.191 | 30.313 | 31.458 | 24.089 | 1.021 | 14.722 |
| 10/6/2017 4:15  | 108900 | 122.937 | 19.625 | 276.926 | 41518.035 | 46268.004 | 30.318 | 31.462 | 24.086 | 1.021 | 14.726 |
| 10/6/2017 4:30  | 109800 | 122.914 | 19.627 | 276.875 | 41516.449 | 46263.832 | 30.315 | 31.459 | 24.087 | 1.021 | 14.727 |
| 10/6/2017 4:45  | 110700 | 122.895 | 19.633 | 276.832 | 41506.098 | 46246.469 | 30.303 | 31.448 | 24.093 | 1.021 | 14.728 |
| 10/6/2017 5:00  | 111600 | 122.88  | 19.634 | 276.799 | 41509.488 | 46262.241 | 30.315 | 31.458 | 24.079 | 1.021 | 14.726 |
| 10/6/2017 5:15  | 112500 | 122.869 | 19.631 | 276.774 | 41530.32  | 46276.215 | 30.325 | 31.468 | 24.079 | 1.021 | 14.726 |
| 10/6/2017 5:30  | 113400 | 122.857 | 19.635 | 276.747 | 41533.629 | 46275.434 | 30.324 | 31.467 | 24.077 | 1.021 | 14.731 |
| 10/6/2017 5:45  | 114300 | 122.867 | 19.639 | 276.77  | 41546.746 | 46286.012 | 30.332 | 31.474 | 24.069 | 1.021 | 14.724 |
| 10/6/2017 6:00  | 115200 | 122.869 | 19.633 | 276.775 | 41533.977 | 46277.531 | 30.326 | 31.469 | 24.077 | 1.021 | 14.724 |
| 10/6/2017 6:15  | 116100 | 122.881 | 19.646 | 276.801 | 41522.359 | 46252.41  | 30.308 | 31.452 | 24.083 | 1.021 | 14.726 |
| 10/6/2017 6:30  | 117000 | 122.885 | 19.635 | 276.811 | 41516.055 | 46255.676 | 30.31  | 31.454 | 24.087 | 1.021 | 14.732 |
| 10/6/2017 6:45  | 117900 | 122.906 | 19.636 | 276.858 | 41514.91  | 46254.059 | 30.309 | 31.453 | 24.088 | 1.021 | 14.73  |
| 10/6/2017 7:00  | 118800 | 122.937 | 19.626 | 276.927 | 41535.23  | 46285.883 | 30.331 | 31.474 | 24.076 | 1.021 | 14.731 |
| 10/6/2017 7:15  | 119700 | 122.959 | 19.628 | 276.976 | 41507.945 | 46254.188 | 30.308 | 31.453 | 24.092 | 1.021 | 14.732 |
| 10/6/2017 7:30  | 120600 | 122.994 | 19.632 | 277.055 | 41536.469 | 46281.766 | 30.329 | 31.472 | 24.075 | 1.021 | 14.736 |
| 10/6/2017 7:45  | 121500 | 123.024 | 19.642 | 277.124 | 41528.223 | 46262.289 | 30.315 | 31.458 | 24.08  | 1.021 | 14.732 |
| 10/6/2017 8:00  | 122400 | 123.068 | 19.63  | 277.123 | 41525.738 | 46271.352 | 30.321 | 31.465 | 24.081 | 1.021 | 14.736 |
| 10/6/2017 8:15  | 123300 | 123.097 | 19.628 | 277.288 | 41512.977 | 46259.457 | 30.312 | 31.456 | 24.089 | 1.021 | 14.739 |
| 10/6/2017 8:30  | 124200 | 123.145 | 19.633 | 277.396 | 41502.922 | 46243.273 | 30.301 | 31.445 | 24.095 | 1.021 | 14.736 |
| 10/6/2017 8:45  | 125100 | 123.183 | 19.627 | 277.481 | 41541.066 | 46291.785 | 30.336 | 31.478 | 24.073 | 1.021 | 14.741 |
| 10/6/2017 9:00  | 126000 | 123.215 | 19.631 | 277.553 | 41537.004 | 46283.566 | 30.33  | 31.473 | 24.075 | 1.021 | 14.753 |
| 10/6/2017 9:15  | 126900 | 123.267 | 19.633 | 277.67  | 41529.836 | 46273.086 | 30.322 | 31.466 | 24.079 | 1.021 | 14.743 |
| 10/6/2017 9:30  | 127800 | 123.295 | 19.634 | 277.734 | 41531.359 | 46274.105 | 30.323 | 31.466 | 24.078 | 1.021 | 14.751 |
| 10/6/2017 9:45  | 128700 | 123.337 | 19.631 | 277.828 | 41506.629 | 46249.898 | 30.305 | 31.445 | 24.093 | 1.021 | 14.75  |
| 10/6/2017 10:00 | 129600 | 123.37  | 19.637 | 277.903 | 41533.977 | 46274.273 | 30.323 | 31.467 | 24.077 | 1.021 | 14.752 |
| 10/6/2017 10:15 | 130500 | 123.4   | 19.622 | 277.972 | 41524.234 | 46277.578 | 30.325 | 31.469 | 24.082 | 1.021 | 14.747 |
| 10/6/2017 10:30 | 131400 | 123.438 | 19.623 | 278.057 | 41502.863 | 46252.906 | 30.307 | 31.452 | 24.095 | 1.021 | 14.75  |
| 10/6/2017 10:45 | 132300 | 123.459 | 19.634 | 278.104 | 41524.992 | 46267.266 | 30.318 | 31.462 | 24.082 | 1.021 | 14.747 |
| 10/6/2017 11:00 | 133200 | 123.483 | 19.636 | 278.159 | 41516.727 | 46255.48  | 30.31  | 31.454 | 24.087 | 1.021 | 14.739 |
| 10/6/2017 11:15 | 134100 | 123.497 | 19.636 | 278.189 | 41540.102 | 46265.189 | 30.329 | 31.472 | 24.073 | 1.021 | 14.739 |
| 10/6/2017 11:30 | 135000 | 123.5   | 19.635 | 278.196 | 41536.582 | 46278.805 | 30.327 | 31.47  | 24.075 | 1.021 | 14.74  |
| 10/6/2017 11:45 | 135900 | 123.513 | 19.63  | 278.224 | 41480.551 | 46221.516 | 30.285 | 31.431 | 24.108 | 1.021 | 14.737 |
| 10/6/2017 12:00 | 136800 | 123.508 | 19.63  | 278.215 | 41547.457 | 46295.555 | 30.339 | 31.481 | 24.069 | 1.021 | 14.737 |
| 10/6/2017 12:15 | 137700 | 123.508 | 19.626 | 278.214 | 41527.375 | 46277.727 | 30.326 | 31.469 | 24.081 | 1.021 | 14.73  |
| 10/6/2017 12:30 | 138600 | 123.482 | 19.624 | 278.155 | 41539.859 | 46292.844 | 30.337 | 31.479 | 24.073 | 1.021 | 14.739 |
| 10/6/2017 12:45 | 139500 | 123.47  | 19.624 | 278.127 | 41511.538 | 46262.234 | 30.314 | 31.458 | 24.089 | 1.021 | 14.741 |
| 10/6/2017 13:00 | 140400 | 123.45  | 19.624 | 278.084 | 41503.594 | 46253.203 | 30.308 | 31.452 | 24.094 | 1.021 | 14.734 |
| 10/6/2017 13:15 | 141300 | 123.425 | 19.627 | 278.027 | 41514.602 | 46262.035 | 30.314 | 31.458 | 24.088 | 1.021 | 14.722 |
| 10/6/2017 13:30 | 142200 | 123     |        |         |           |           |        |        |        |       |        |

|                 |        |         |        |         |           |           |        |        |        |       |        |
|-----------------|--------|---------|--------|---------|-----------|-----------|--------|--------|--------|-------|--------|
| 10/7/2017 21:45 | 258300 | 123.017 | 19.642 | 277.109 | 41530.309 | 46264.527 | 30.317 | 31.46  | 24.079 | 1.021 | 14.652 |
| 10/7/2017 22:00 | 259200 | 123.049 | 19.631 | 277.181 | 41533.574 | 46279.398 | 30.327 | 31.47  | 24.077 | 1.021 | 14.661 |
| 10/7/2017 22:15 | 260100 | 123.104 | 19.638 | 277.303 | 41512.48  | 46249.129 | 30.305 | 31.449 | 24.089 | 1.021 | 14.647 |
| 10/7/2017 22:30 | 261000 | 123.123 | 19.633 | 277.346 | 41545.543 | 46291.023 | 30.336 | 31.478 | 24.07  | 1.021 | 14.661 |
| 10/7/2017 22:45 | 261900 | 123.166 | 19.642 | 277.442 | 41503.504 | 46234.84  | 30.295 | 31.44  | 24.094 | 1.021 | 14.655 |
| 10/7/2017 23:00 | 262800 | 123.213 | 19.625 | 277.442 | 41529.449 | 46280.813 | 30.328 | 31.471 | 24.079 | 1.021 | 14.652 |
| 10/7/2017 23:15 | 263700 | 123.243 | 19.624 | 277.417 | 41498.645 | 46247.168 | 30.303 | 31.47  | 24.093 | 1.021 | 14.65  |
| 10/7/2017 23:30 | 264600 | 123.283 | 19.627 | 277.707 | 41504.477 | 46251.352 | 30.306 | 31.451 | 24.094 | 1.021 | 14.644 |
| 10/7/2017 23:45 | 265500 | 123.308 | 19.624 | 277.763 | 41499.465 | 46248.336 | 30.304 | 31.449 | 24.097 | 1.021 | 14.645 |
| 10/8/2017 0:00  | 266400 | 123.327 | 19.64  | 277.805 | 41491.547 | 46223.398 | 30.286 | 31.432 | 24.101 | 1.021 | 14.648 |
| 10/8/2017 0:15  | 267300 | 123.347 | 19.629 | 277.851 | 41518.379 | 46264.359 | 30.316 | 31.46  | 24.086 | 1.021 | 14.649 |
| 10/8/2017 0:30  | 268200 | 123.37  | 19.628 | 277.802 | 41503.484 | 46248.957 | 30.305 | 31.449 | 24.084 | 1.021 | 14.647 |
| 10/8/2017 0:45  | 269100 | 123.383 | 19.62  | 277.982 | 41534.645 | 46290.98  | 30.335 | 31.475 | 24.076 | 1.021 | 14.645 |
| 10/8/2017 1:00  | 270000 | 123.399 | 19.624 | 277.967 | 41544.406 | 46298.855 | 30.341 | 31.483 | 24.071 | 1.021 | 14.641 |
| 10/8/2017 1:15  | 270900 | 123.407 | 19.64  | 277.987 | 41510.613 | 46245.246 | 30.302 | 31.447 | 24.09  | 1.021 | 14.637 |
| 10/8/2017 1:30  | 271800 | 123.395 | 19.633 | 277.96  | 41547.203 | 46292.434 | 30.337 | 31.479 | 24.069 | 1.021 | 14.651 |
| 10/8/2017 1:45  | 272700 | 123.391 | 19.635 | 277.95  | 41519.367 | 46259.277 | 30.312 | 31.456 | 24.085 | 1.021 | 14.645 |
| 10/8/2017 2:00  | 273600 | 123.39  | 19.638 | 277.948 | 41473.57  | 46205.68  | 30.273 | 31.42  | 24.112 | 1.021 | 14.642 |
| 10/8/2017 2:15  | 274500 | 123.374 | 19.625 | 277.912 | 41540.547 | 46292.754 | 30.336 | 31.479 | 24.073 | 1.021 | 14.646 |
| 10/8/2017 2:30  | 275400 | 123.363 | 19.625 | 277.887 | 41522.73  | 46273.672 | 30.322 | 31.466 | 24.083 | 1.021 | 14.644 |
| 10/8/2017 2:45  | 276300 | 123.355 | 19.632 | 277.869 | 41505.203 | 46246.492 | 30.303 | 31.448 | 24.093 | 1.021 | 14.637 |
| 10/8/2017 3:00  | 277200 | 123.327 | 19.628 | 277.806 | 41475.473 | 46217.742 | 30.282 | 31.428 | 24.111 | 1.021 | 14.642 |
| 10/8/2017 3:15  | 278100 | 123.305 | 19.635 | 277.757 | 41502.324 | 46241.055 | 30.299 | 31.444 | 24.095 | 1.021 | 14.641 |
| 10/8/2017 3:30  | 279000 | 123.281 | 19.634 | 277.703 | 41494.055 | 46232.203 | 30.293 | 31.438 | 24.1   | 1.021 | 14.639 |
| 10/8/2017 3:45  | 279900 | 123.232 | 19.633 | 277.592 | 41536.25  | 46280.066 | 30.328 | 31.47  | 24.075 | 1.021 | 14.634 |
| 10/8/2017 4:00  | 280800 | 123.232 | 19.639 | 277.967 | 41505.355 | 46240.582 | 30.299 | 31.444 | 24.093 | 1.021 | 14.63  |
| 10/8/2017 4:15  | 281700 | 123.201 | 19.639 | 277.523 | 41524.172 | 46260.781 | 30.314 | 31.457 | 24.082 | 1.021 | 14.63  |
| 10/8/2017 4:30  | 282600 | 123.182 | 19.625 | 277.479 | 41514.25  | 46264.133 | 30.316 | 31.46  | 24.088 | 1.021 | 14.633 |
| 10/8/2017 4:45  | 283500 | 123.153 | 19.625 | 277.413 | 41527.406 | 46278.109 | 30.326 | 31.469 | 24.08  | 1.021 | 14.633 |
| 10/8/2017 5:00  | 284400 | 123.133 | 19.623 | 277.37  | 41498.238 | 46248.238 | 30.304 | 31.449 | 24.097 | 1.021 | 14.629 |
| 10/8/2017 5:15  | 285300 | 123.116 | 19.639 | 277.335 | 41515.539 | 46251.336 | 30.307 | 31.451 | 24.087 | 1.021 | 14.624 |
| 10/8/2017 5:30  | 286200 | 123.087 | 19.63  | 277.266 | 41539.719 | 46287.102 | 30.333 | 31.475 | 24.073 | 1.021 | 14.632 |
| 10/8/2017 5:45  | 287100 | 123.073 | 19.639 | 277.235 | 41528.91  | 46266.059 | 30.318 | 31.461 | 24.08  | 1.021 | 14.627 |
| 10/8/2017 6:00  | 288000 | 123.065 | 19.624 | 277.216 | 41535.477 | 46288.551 | 30.333 | 31.476 | 24.076 | 1.021 | 14.631 |
| 10/8/2017 6:15  | 288900 | 123.047 | 19.63  | 277.175 | 41528.461 | 46274.648 | 30.323 | 31.467 | 24.08  | 1.021 | 14.637 |
| 10/8/2017 6:30  | 289800 | 123.043 | 19.631 | 277.167 | 41528.445 | 46274.203 | 30.323 | 31.466 | 24.08  | 1.021 | 14.631 |
| 10/8/2017 6:45  | 290700 | 123.039 | 19.629 | 277.157 | 41529.961 | 46276.957 | 30.325 | 31.468 | 24.079 | 1.021 | 14.636 |
| 10/8/2017 7:00  | 291600 | 123.039 | 19.62  | 277.157 | 41523.469 | 46279.215 | 30.326 | 31.47  | 24.083 | 1.021 | 14.637 |
| 10/8/2017 7:15  | 292500 | 123.052 | 19.627 | 277.186 | 41505.852 | 46252.969 | 30.307 | 31.452 | 24.093 | 1.021 | 14.633 |
| 10/8/2017 7:30  | 293400 | 123.059 | 19.623 | 277.202 | 41537.551 | 46291.301 | 30.335 | 31.478 | 24.075 | 1.021 | 14.631 |
| 10/8/2017 7:45  | 294300 | 123.06  | 19.646 | 277.206 | 41551.406 | 46284.328 | 30.331 | 31.473 | 24.067 | 1.021 | 14.636 |
| 10/8/2017 8:00  | 295200 | 123.086 | 19.64  | 277.262 | 41541.02  | 46279.031 | 30.327 | 31.47  | 24.073 | 1.021 | 14.634 |
| 10/8/2017 8:15  | 296100 | 123.112 | 19.627 | 277.222 | 41528.191 | 46272.289 | 30.321 | 31.465 | 24.08  | 1.021 | 14.64  |
| 10/8/2017 8:30  | 297000 | 123.123 | 19.637 | 277.347 | 41539.473 | 46280.047 | 30.328 | 31.47  | 24.073 | 1.021 | 14.639 |
| 10/8/2017 8:45  | 297900 | 123.152 | 19.64  | 277.413 | 41521.262 | 46257.281 | 30.311 | 31.455 | 24.084 | 1.021 | 14.64  |
| 10/8/2017 9:00  | 298800 | 123.188 | 19.645 | 277.493 | 41558.68  | 46293.559 | 30.338 | 31.48  | 24.062 | 1.021 | 14.639 |
| 10/8/2017 9:15  | 299700 | 123.218 | 19.644 | 277.561 | 41538.074 | 46271.715 | 30.322 | 31.465 | 24.074 | 1.021 | 14.64  |
| 10/8/2017 9:30  | 300600 | 123.26  | 19.632 | 277.654 | 41526.273 | 46269.895 | 30.32  | 31.464 | 24.081 | 1.021 | 14.639 |
| 10/8/2017 9:45  | 301500 | 123.281 | 19.627 | 277.717 | 41515.301 | 46263.5   | 30.315 | 31.469 | 24.088 | 1.021 | 14.648 |
| 10/8/2017 10:00 | 302400 | 123.325 | 19.639 | 277.801 | 41521.672 | 46258.512 | 30.312 | 31.456 | 24.084 | 1.021 | 14.636 |
| 10/8/2017 10:15 | 303300 | 123.358 | 19.633 | 277.876 | 41550.453 | 46296.754 | 30.34  | 31.482 | 24.067 | 1.021 | 14.637 |
| 10/8/2017 10:30 | 304200 | 123.403 | 19.631 | 277.978 | 41508.34  | 46251.363 | 30.306 | 31.451 | 24.092 | 1.021 | 14.629 |
| 10/8/2017 10:45 | 305100 | 123.446 | 19.625 | 278.075 | 41516.797 | 46266.449 | 30.317 | 31.461 | 24.087 | 1.021 | 14.631 |
| 10/8/2017 11:00 | 306000 | 123.476 | 19.624 | 278.141 | 41509.664 | 46259.191 | 30.312 | 31.456 | 24.091 | 1.021 | 14.635 |
| 10/8/2017 11:15 | 306900 | 123.512 | 19.631 | 278.224 | 41509.297 | 46252.609 | 30.307 | 31.452 | 24.091 | 1.021 | 14.627 |
| 10/8/2017 11:30 | 307800 | 123.539 | 19.641 | 278.295 | 41528.652 | 46263.711 | 30.316 | 31.459 | 24.08  | 1.021 | 14.63  |
| 10/8/2017 11:45 | 308700 | 123.563 | 19.639 | 278.338 | 41550.461 | 46290.742 | 30.336 | 31.478 | 24.067 | 1.021 | 14.63  |
| 10/8/2017 12:00 | 309600 | 123.586 | 19.631 | 278.39  | 41525.359 | 46270.172 | 30.32  | 31.464 | 24.082 | 1.021 | 14.626 |
| 10/8/2017 12:15 | 310500 | 123.609 | 19.628 | 278.441 | 41535.938 | 46285.043 | 30.331 | 31.474 | 24.076 | 1.021 | 14.625 |
| 10/8/2017 12:30 | 311400 | 123.623 | 19.623 | 278.473 | 41514.855 | 46266.52  | 30.317 | 31.461 | 24.088 | 1.021 | 14.63  |
| 10/8/2017 12:45 | 312300 | 123.63  | 19.626 | 278.488 | 41531.625 | 46282.547 | 30.329 | 31.472 | 24.078 | 1.021 | 14.628 |
| 10/8/2017 13:00 | 313200 | 123.631 | 19.621 | 278.491 | 41528.406 | 46283.246 | 30.329 | 31.473 | 24.08  | 1.021 | 14.624 |
| 10/8/2017 13:15 | 314100 | 123.636 | 19.623 | 278.502 | 41505.242 | 46255.461 | 30.309 | 31.454 | 24.093 | 1.021 | 14.623 |
| 10/8/2017 13:30 | 315000 | 123.627 | 19.626 | 278.482 | 41502.641 | 46249.727 | 30.305 | 31.45  | 24.095 | 1.021 | 14.62  |
| 10/8/2017 13:45 | 315900 | 123.621 | 19.634 | 278.469 | 41548.563 | 46293.008 | 30.337 | 31.479 | 24.068 | 1.021 | 14.613 |
| 10/8/2017 14:00 | 316800 | 123.591 | 19.638 | 278.4   | 41517.895 | 46255.242 | 30.31  | 31.454 | 24.086 | 1.021 | 14.623 |
| 10/8/2017 14:15 | 317700 | 123.573 | 19.637 | 278.361 | 41544.203 | 46285.238 | 30.332 | 31.474 | 24.071 | 1.021 | 14.619 |
| 10/8/2017 14:30 | 318600 | 123.549 | 19.635 | 278.305 | 41525.543 | 46270.35  | 30.32  | 31.464 | 24.082 | 1.021 | 14.62  |
| 10/8/2017 14:45 | 319500 | 123.528 | 19.626 | 278.259 | 41522.23  | 46271.305 | 30.323 | 31.464 | 24.083 | 1.021 | 14.617 |
| 10/8/2017 15:00 | 320400 | 123.49  | 19.64  | 278.173 | 41513.609 | 46248.664 | 30.305 | 31.449 | 24.088 | 1.021 | 14.607 |
| 10/8/2017 15:15 | 321300 | 123.442 | 19.642 | 278.064 | 41573.371 | 46312.84  | 30.352 | 31.493 | 24.054 | 1.021 | 14.613 |
| 10/8/2017 15:30 | 322200 | 123.413 | 19.648 | 278.001 | 41527.215 | 46255.766 | 30.31  | 31.454 | 24.081 | 1.021 | 14.613 |
| 10/8/2017 15:45 | 323100 | 123.377 | 19.644 | 277.919 | 41548.555 | 46283.563 | 30.331 | 31.473 | 24.068 | 1.021 | 14.608 |
| 10/8/2017 16:00 | 324000 | 123.328 | 19.647 | 277.807 | 41544.367 | 46281.121 | 30.329 | 31.471 | 24.071 | 1.021 | 14.61  |
| 10/8/2017 16:15 | 324900 | 123.275 | 19.633 | 277.688 | 41519.504 | 46261.316 | 30.314 | 31.458 | 24.085 | 1.021 | 14.611 |
| 10/8/2017 16:30 | 325800 | 123.241 | 19.631 | 277.612 | 41533.891 | 46279.75  | 30.327 | 31.47  | 24.077 | 1.021 | 14.607 |
| 10/8/2017 16:45 | 326700 | 123.188 | 19.638 | 277.492 | 41527.77  | 46266.242 | 30.318 | 31.461 | 24.08  | 1.021 | 14.611 |
| 10/8/2017 17:00 | 327600 | 123.142 | 19.644 | 277.39  | 41539.609 | 46273.777 | 30.323 | 31.466 | 24.073 | 1.021 | 14.611 |
| 10/8/2017 17:15 | 328500 | 123.1   | 19.637 | 277.295 | 41533.227 | 46272.66  | 30.322 | 31.465 | 24.077 | 1.021 | 14.61  |
| 10/8/2017 17:30 | 329400 | 123.064 | 19.632 | 277.214 | 41521.316 | 46271.242 | 30.321 | 31.464 | 24.084 | 1.021 | 14.604 |
| 10/8/2017 17:45 | 330300 | 123.02  | 19.629 | 277.114 | 41553.074 | 46302.84  | 30.344 | 31.486 | 24.066 | 1.021 | 14.612 |
| 10/8/2017 18:00 | 331200 | 122.965 | 19.624 | 276.991 | 41521.121 | 46272.734 | 30.322 | 31.465 | 24.084 | 1.021 | 14.602 |
| 10/8/2017 18:15 | 33     |         |        |         |           |           |        |        |        |       |        |

|                  |        |         |        |         |           |           |        |        |        |       |        |
|------------------|--------|---------|--------|---------|-----------|-----------|--------|--------|--------|-------|--------|
| 10/10/2017 2:30  | 448200 | 123.366 | 19.622 | 277.893 | 41503.918 | 46255.191 | 30.309 | 31.454 | 24.094 | 1.021 | 14.696 |
| 10/10/2017 2:45  | 449100 | 123.371 | 19.633 | 277.906 | 41510.793 | 46251.613 | 30.307 | 31.451 | 24.09  | 1.021 | 14.695 |
| 10/10/2017 3:00  | 450000 | 123.401 | 19.638 | 277.973 | 41536.039 | 46274.859 | 30.324 | 31.467 | 24.075 | 1.021 | 14.683 |
| 10/10/2017 3:15  | 450900 | 123.401 | 19.641 | 277.973 | 41514.191 | 46248.203 | 30.305 | 31.449 | 24.088 | 1.021 | 14.688 |
| 10/10/2017 3:30  | 451800 | 123.408 | 19.645 | 277.989 | 41528.047 | 46259.344 | 30.313 | 31.456 | 24.08  | 1.021 | 14.687 |
| 10/10/2017 3:45  | 452700 | 123.417 | 19.641 | 278.008 | 41511.711 | 46245.523 | 30.313 | 31.447 | 24.09  | 1.021 | 14.682 |
| 10/10/2017 4:00  | 453600 | 123.419 | 19.632 | 278.019 | 41514.953 | 46257.621 | 30.311 | 31.455 | 24.088 | 1.021 | 14.685 |
| 10/10/2017 4:15  | 454500 | 123.419 | 19.628 | 278.013 | 41504.402 | 46249.98  | 30.305 | 31.45  | 24.094 | 1.021 | 14.681 |
| 10/10/2017 4:30  | 455400 | 123.41  | 19.633 | 277.993 | 41510.473 | 46252.027 | 30.307 | 31.451 | 24.09  | 1.021 | 14.681 |
| 10/10/2017 4:45  | 456300 | 123.401 | 19.638 | 277.973 | 41529.512 | 46268.352 | 30.319 | 31.462 | 24.079 | 1.021 | 14.682 |
| 10/10/2017 5:00  | 457200 | 123.391 | 19.619 | 277.951 | 41475.852 | 46227.254 | 30.288 | 31.435 | 24.11  | 1.021 | 14.686 |
| 10/10/2017 5:15  | 458100 | 123.38  | 19.622 | 277.926 | 41511.996 | 46264.715 | 30.316 | 31.46  | 24.089 | 1.021 | 14.685 |
| 10/10/2017 5:30  | 459000 | 123.373 | 19.623 | 277.909 | 41521.941 | 46274.68  | 30.323 | 31.467 | 24.084 | 1.021 | 14.686 |
| 10/10/2017 5:45  | 459900 | 123.357 | 19.631 | 277.874 | 41485.758 | 46226.559 | 30.288 | 31.434 | 24.105 | 1.021 | 14.686 |
| 10/10/2017 6:00  | 460800 | 123.346 | 19.619 | 277.85  | 41512.5   | 46267.59  | 30.318 | 31.462 | 24.089 | 1.021 | 14.688 |
| 10/10/2017 6:15  | 461700 | 123.324 | 19.619 | 277.799 | 41518.59  | 46274.715 | 30.323 | 31.467 | 24.086 | 1.021 | 14.689 |
| 10/10/2017 6:30  | 462600 | 123.32  | 19.622 | 277.789 | 41476.672 | 46224.828 | 30.287 | 31.433 | 24.11  | 1.021 | 14.686 |
| 10/10/2017 6:45  | 463500 | 123.303 | 19.62  | 277.752 | 41506.148 | 46259.813 | 30.312 | 31.457 | 24.093 | 1.021 | 14.689 |
| 10/10/2017 7:00  | 464400 | 123.289 | 19.624 | 277.719 | 41489.441 | 46237.164 | 30.296 | 31.441 | 24.103 | 1.021 | 14.696 |
| 10/10/2017 7:15  | 465300 | 123.276 | 19.629 | 277.692 | 41499.914 | 46243.695 | 30.301 | 31.446 | 24.096 | 1.021 | 14.695 |
| 10/10/2017 7:30  | 466200 | 123.261 | 19.634 | 277.656 | 41523.656 | 46265.605 | 30.317 | 31.461 | 24.083 | 1.021 | 14.693 |
| 10/10/2017 7:45  | 467100 | 123.253 | 19.637 | 277.639 | 41491.059 | 46226.199 | 30.288 | 31.434 | 24.102 | 1.021 | 14.695 |
| 10/10/2017 8:00  | 468000 | 123.257 | 19.634 | 277.648 | 41483.215 | 46220.637 | 30.284 | 31.43  | 24.106 | 1.021 | 14.688 |
| 10/10/2017 8:15  | 468900 | 123.258 | 19.64  | 277.65  | 41534.219 | 46271.027 | 30.321 | 31.464 | 24.077 | 1.021 | 14.689 |
| 10/10/2017 8:30  | 469800 | 123.249 | 19.637 | 277.629 | 41497.242 | 46233.426 | 30.294 | 31.439 | 24.098 | 1.021 | 14.699 |
| 10/10/2017 8:45  | 470700 | 123.257 | 19.622 | 277.648 | 41508.293 | 46259.813 | 30.312 | 31.457 | 24.092 | 1.021 | 14.697 |
| 10/10/2017 9:00  | 471600 | 123.266 | 19.63  | 277.669 | 41512.012 | 46256.316 | 30.31  | 31.454 | 24.089 | 1.021 | 14.7   |
| 10/10/2017 9:15  | 472500 | 123.274 | 19.629 | 277.687 | 41521.379 | 46267.613 | 30.318 | 31.462 | 24.084 | 1.021 | 14.701 |
| 10/10/2017 9:30  | 473400 | 123.288 | 19.625 | 277.718 | 41539.922 | 46292.484 | 30.336 | 31.479 | 24.073 | 1.021 | 14.7   |
| 10/10/2017 9:45  | 474300 | 123.307 | 19.622 | 277.762 | 41500.727 | 46251.379 | 30.306 | 31.451 | 24.096 | 1.021 | 14.699 |
| 10/10/2017 10:00 | 475200 | 123.331 | 19.625 | 277.815 | 41515.039 | 46243.922 | 30.316 | 31.46  | 24.088 | 1.021 | 14.698 |
| 10/10/2017 10:15 | 476100 | 123.348 | 19.627 | 277.853 | 41509.711 | 46256.41  | 30.31  | 31.454 | 24.091 | 1.021 | 14.697 |
| 10/10/2017 10:30 | 477000 | 123.364 | 19.625 | 277.89  | 41501.359 | 46249.156 | 30.305 | 31.449 | 24.096 | 1.021 | 14.696 |
| 10/10/2017 10:45 | 477900 | 123.383 | 19.635 | 277.933 | 41525.352 | 46266.711 | 30.318 | 31.461 | 24.082 | 1.021 | 14.7   |
| 10/10/2017 11:00 | 478800 | 123.417 | 19.636 | 278.008 | 41532.758 | 46273.941 | 30.323 | 31.466 | 24.077 | 1.021 | 14.694 |
| 10/10/2017 11:15 | 479700 | 123.441 | 19.646 | 278.063 | 41557.113 | 46290.527 | 30.336 | 31.478 | 24.063 | 1.021 | 14.699 |
| 10/10/2017 11:30 | 480600 | 123.468 | 19.64  | 278.123 | 41525.672 | 46261.626 | 30.314 | 31.458 | 24.081 | 1.021 | 14.698 |
| 10/10/2017 11:45 | 481500 | 123.501 | 19.627 | 278.198 | 41511.957 | 46259.516 | 30.312 | 31.456 | 24.089 | 1.021 | 14.699 |
| 10/10/2017 12:00 | 482400 | 123.527 | 19.634 | 278.256 | 41522.844 | 46264.617 | 30.316 | 31.46  | 24.083 | 1.021 | 14.698 |
| 10/10/2017 12:15 | 483300 | 123.558 | 19.631 | 278.327 | 41513.305 | 46257.254 | 30.311 | 31.455 | 24.089 | 1.021 | 14.697 |
| 10/10/2017 12:30 | 484200 | 123.584 | 19.631 | 278.384 | 41528.332 | 46273.211 | 30.322 | 31.466 | 24.08  | 1.021 | 14.7   |
| 10/10/2017 12:45 | 485100 | 123.618 | 19.62  | 278.461 | 41478.953 | 46229.082 | 30.29  | 31.436 | 24.109 | 1.021 | 14.692 |
| 10/10/2017 13:00 | 486000 | 123.643 | 19.636 | 278.519 | 41507.242 | 46256.32  | 30.312 | 31.454 | 24.092 | 1.021 | 14.694 |
| 10/10/2017 13:15 | 486900 | 123.655 | 19.634 | 278.545 | 41531.621 | 46274.301 | 30.323 | 31.467 | 24.078 | 1.021 | 14.697 |
| 10/10/2017 13:30 | 487800 | 123.676 | 19.644 | 278.593 | 41546.133 | 46280.867 | 30.329 | 31.471 | 24.07  | 1.021 | 14.69  |
| 10/10/2017 13:45 | 488700 | 123.702 | 19.643 | 278.65  | 41515.281 | 46247.18  | 30.304 | 31.448 | 24.088 | 1.021 | 14.686 |
| 10/10/2017 14:00 | 489600 | 123.703 | 19.64  | 278.652 | 41503.945 | 46237.637 | 30.297 | 31.442 | 24.094 | 1.021 | 14.692 |
| 10/10/2017 14:15 | 490500 | 123.712 | 19.632 | 278.673 | 41507.176 | 46248.691 | 30.305 | 31.449 | 24.092 | 1.021 | 14.688 |
| 10/10/2017 14:30 | 491400 | 123.723 | 19.636 | 278.698 | 41531.91  | 46296.906 | 30.34  | 31.485 | 24.065 | 1.021 | 14.685 |
| 10/10/2017 14:45 | 492300 | 123.721 | 19.638 | 278.694 | 41500.208 | 46235.355 | 30.295 | 31.44  | 24.096 | 1.021 | 14.694 |
| 10/10/2017 15:00 | 493200 | 123.717 | 19.63  | 278.685 | 41485.367 | 46226.285 | 30.288 | 31.434 | 24.105 | 1.021 | 14.687 |
| 10/10/2017 15:15 | 494100 | 123.71  | 19.641 | 278.668 | 41507.602 | 46240.516 | 30.299 | 31.444 | 24.092 | 1.021 | 14.682 |
| 10/10/2017 15:30 | 495000 | 123.699 | 19.644 | 278.644 | 41509.867 | 46240.047 | 30.299 | 31.443 | 24.091 | 1.021 | 14.685 |
| 10/10/2017 15:45 | 495900 | 123.685 | 19.628 | 278.613 | 41520.27  | 46268.016 | 30.318 | 31.462 | 24.085 | 1.021 | 14.691 |
| 10/10/2017 16:00 | 496800 | 123.645 | 19.625 | 278.523 | 41518.52  | 46268.543 | 30.319 | 31.463 | 24.086 | 1.021 | 14.683 |
| 10/10/2017 16:15 | 497700 | 123.647 | 19.642 | 278.526 | 41499.762 | 46231.176 | 30.292 | 31.437 | 24.097 | 1.021 | 14.687 |
| 10/10/2017 16:30 | 498600 | 123.617 | 19.636 | 278.459 | 41523.051 | 46262.617 | 30.315 | 31.459 | 24.083 | 1.021 | 14.69  |
| 10/10/2017 16:45 | 499500 | 123.588 | 19.635 | 278.394 | 41512.598 | 46251.648 | 30.307 | 31.451 | 24.089 | 1.021 | 14.69  |
| 10/10/2017 17:00 | 500400 | 123.547 | 19.643 | 278.303 | 41549.613 | 46285.938 | 30.332 | 31.474 | 24.068 | 1.021 | 14.69  |
| 10/10/2017 17:15 | 501300 | 123.513 | 19.64  | 278.226 | 41508.844 | 46242.848 | 30.301 | 31.445 | 24.091 | 1.021 | 14.689 |
| 10/10/2017 17:30 | 502200 | 123.495 | 19.624 | 278.185 | 41505.262 | 46254.543 | 30.309 | 31.453 | 24.093 | 1.021 | 14.683 |
| 10/10/2017 17:45 | 503100 | 123.441 | 19.625 | 278.062 | 41505.84  | 46255.879 | 30.314 | 31.454 | 24.093 | 1.021 | 14.684 |
| 10/10/2017 18:00 | 504000 | 123.4   | 19.626 | 277.97  | 41489.703 | 46235.656 | 30.295 | 31.44  | 24.102 | 1.021 | 14.689 |
| 10/10/2017 18:15 | 504900 | 123.358 | 19.637 | 277.876 | 41509.48  | 46246.727 | 30.303 | 31.448 | 24.091 | 1.021 | 14.687 |
| 10/10/2017 18:30 | 505800 | 123.32  | 19.628 | 277.791 | 41514.32  | 46260.695 | 30.313 | 31.457 | 24.088 | 1.021 | 14.689 |
| 10/10/2017 18:45 | 506700 | 123.272 | 19.632 | 277.683 | 41530.273 | 46275.129 | 30.324 | 31.467 | 24.079 | 1.021 | 14.687 |
| 10/10/2017 19:00 | 507600 | 123.234 | 19.632 | 277.597 | 41499.895 | 46240.84  | 30.299 | 31.444 | 24.096 | 1.021 | 14.688 |
| 10/10/2017 19:15 | 508500 | 123.19  | 19.641 | 277.498 | 41510.281 | 46233.98  | 30.321 | 31.445 | 24.09  | 1.021 | 14.69  |
| 10/10/2017 19:30 | 509400 | 123.153 | 19.641 | 277.414 | 41528.363 | 46264.156 | 30.316 | 31.46  | 24.08  | 1.021 | 14.692 |
| 10/10/2017 19:45 | 510300 | 123.109 | 19.643 | 277.315 | 41528.566 | 46262.406 | 30.315 | 31.458 | 24.08  | 1.021 | 14.696 |
| 10/10/2017 20:00 | 511200 | 123.084 | 19.644 | 277.259 | 41546.117 | 46281.027 | 30.329 | 31.471 | 24.07  | 1.021 | 14.691 |
| 10/10/2017 20:15 | 512100 | 123.055 | 19.625 | 277.194 | 41505.074 | 46253.723 | 30.308 | 31.453 | 24.093 | 1.021 | 14.689 |
| 10/10/2017 20:30 | 513000 | 123.01  | 19.633 | 277.092 | 41508.25  | 46248.957 | 30.305 | 31.449 | 24.092 | 1.021 | 14.701 |
| 10/10/2017 20:45 | 513900 | 122.99  | 19.634 | 277.048 | 41549.207 | 46293.727 | 30.338 | 31.48  | 24.068 | 1.021 | 14.698 |
| 10/10/2017 21:00 | 514800 | 122.973 | 19.637 | 277.008 | 41534.547 | 46274.988 | 30.324 | 31.467 | 24.076 | 1.021 | 14.691 |
| 10/10/2017 21:15 | 515700 | 122.952 | 19.64  | 276.961 | 41533.375 | 46270.336 | 30.321 | 31.464 | 24.077 | 1.021 | 14.694 |
| 10/10/2017 21:30 | 516600 | 122.935 | 19.635 | 276.924 | 41531.738 | 46272.973 | 30.322 | 31.466 | 24.078 | 1.021 | 14.696 |
| 10/10/2017 21:45 | 517500 | 122.924 | 19.627 | 276.897 | 41517.266 | 46264.914 | 30.316 | 31.46  | 24.086 | 1.021 | 14.695 |
| 10/10/2017 22:00 | 518400 | 122.918 | 19.631 | 276.885 | 41533.777 | 46279.371 | 30.327 | 31.47  | 24.077 | 1.021 | 14.696 |
| 10/10/2017 22:15 | 519300 | 122.917 | 19.637 | 276.882 | 41512.824 | 46267.734 | 30.311 | 31.455 | 24.089 | 1.021 | 14.698 |
| 10/10/2017 22:30 | 520200 | 122.911 | 19.639 | 276.869 | 41532.578 | 46270.91  | 30.321 | 31.464 | 24.077 | 1.021 | 14.699 |
| 10/10/2017 22:45 | 521100 | 122.913 | 19.642 | 276.874 | 41591.4   |           |        |        |        |       |        |

Report Date: 10/13/2017 8:35  
Report User Name: WMassoll  
Report Computer Name: WKST52  
Application: WinSitu.exe  
Application Version: 5.6.27.1

Log File Properties  
File Name MPWSP MW-3M Pre Test\_2017-10-12\_09-30-11-709.wsl  
Create Date 10/12/2017 9:29

Device Properties  
Device Aqua TROLL 200  
Site MPWSP MW-3M  
Device Name  
Serial Number 395601  
Firmware Version 2  
Hardware Version 3  
Device Address 1  
Device Comm Cfg 19200 8 Even 1 (Modbus-RTU)  
Used Memory 64  
Used Battery 28

Log Configuration  
Log Name MPWSP MW-3M Pre Test  
Created By SKuiper  
Computer Name PROBOOK8  
Application WinSitu.exe  
Application Version 5.6.25.0  
Create Date 8/4/2016 9:51:09 AM Pacific Daylight Time  
Log Setup Time Zone Pacific Daylight Time  
Notes Size(bytes) 4096  
Overwrite when full Enabled  
Scheduled Start Time 8/4/2016 10:00:00 AM Pacific Daylight Time  
Scheduled Stop Time No Stop Time  
Type Linear  
Interval Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation  
Level Measurement Mode Depth  
Specific Gravity 1.024

Other Log Settings  
Depth of Probe: 145.449 (ft)  
Head Pressure: 64.5694 (PSI)  
Temperature: 17.0644 (C)  
  
Specific Conductivity Model: Standard Methods  
Reference Temperature: 25  
Temperature Coefficient: 0.0191  
  
TDS Factor: 0.68

Log Notes:  
Date and Time Note  
8/4/2016 9:51 Sensor SN: 395601 Factory calibration has expired.: 12/15/2015 5:21:19 PM  
8/4/2016 9:51 Used Battery: 28% Used Memory: 67% User Name: SKuiper  
8/4/2016 18:34 Log Download - Used Battery: 28% Used Memory: 67% User Name: SKuiper  
8/11/2016 13:16 Log Download - Used Battery: 28% Used Memory: 67% User Name: ELinden Interval - Start Time: 8/3/2016 7:00:00 AM Stop Time: 8/11/2016 2:15:00 PM  
8/18/2016 9:21 Log Download - Used Battery: 29% Used Memory: 68% User Name: SKuiper Interval - Start Time: 8/10/2016 10:00:00 PM Stop Time: 8/18/2016 9:15:00 AM  
8/25/2016 16:07 Log Download - Used Battery: 29% Used Memory: 68% User Name: ELinden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 5:00:00 PM  
9/1/2016 12:59 Log Download - Used Battery: 29% Used Memory: 70% User Name: skuiper Interval - Start Time: 7/31/2016 10:00:00 PM Stop Time: 9/1/2016 1:45:00 PM  
9/8/2016 11:13 Log Download - Used Battery: 30% Used Memory: 70% User Name: SKuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/8/2016 11:00:00 AM  
9/15/2016 18:58 Log Download - Used Battery: 30% Used Memory: 71% User Name: ANorris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 7:45:00 PM  
9/22/2016 15:14 Log Download - Used Battery: 30% Used Memory: 71% User Name: ANorris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 4:00:00 PM  
10/2/2016 8:04 Log Download - Used Battery: 31% Used Memory: 73% User Name: ANorris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/2/2016 9:00:00 AM  
10/7/2016 18:04 Log Download - Used Battery: 31% Used Memory: 73% User Name: SKuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/7/2016 6:00:00 PM  
10/13/2016 9:44 Log Download - Used Battery: 31% Used Memory: 75% User Name: SKuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 9:30:00 AM  
10/20/2016 8:55 Log Download - Used Battery: 32% Used Memory: 75% User Name: SKuiper Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 8:45:00 AM  
10/27/2016 10:03 Log Download - Used Battery: 32% Used Memory: 76% User Name: SKuiper Interval - Start Time: 10/19/2016 10:00:00 PM Stop Time: 10/27/2016 10:45:00 AM  
11/3/2016 8:57 Log Download - Used Battery: 32% Used Memory: 76% User Name: SKuiper Interval - Start Time: 9/30/2016 10:00:00 PM Stop Time: 11/3/2016 10:45:00 AM  
11/10/2016 13:07 Log Download - Used Battery: 33% Used Memory: 78% User Name: SKuiper Interval - Start Time: 11/2/2016 10:00:00 PM Stop Time: 11/10/2016 1:00:00 PM  
11/17/2016 8:17 Log Download - Used Battery: 33% Used Memory: 78% User Name: SKuiper Interval - Start Time: 11/9/2016 10:00:00 PM Stop Time: 11/17/2016 10:15:00 AM  
11/24/2016 15:09 Log Download - Used Battery: 34% Used Memory: 79% User Name: SKuiper Interval - Start Time: 11/15/2016 10:00:00 PM Stop Time: 11/24/2016 3:00:00 PM  
12/1/2016 13:58 Log Download - Used Battery: 34% Used Memory: 79% User Name: SKuiper Interval - Start Time: 10/31/2016 10:00:00 PM Stop Time: 12/1/2016 1:45:00 PM  
12/8/2016 8:48 Log Download - Used Battery: 34% Used Memory: 81% User Name: SKuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 12/8/2016 8:45:00 AM  
12/15/2016 8:10 Log Download - Used Battery: 35% Used Memory: 81% User Name: SKuiper Interval - Start Time: 12/7/2016 10:00:00 PM Stop Time: 12/15/2016 8:00:00 PM  
12/22/2016 18:59 Log Download - Used Battery: 35% Used Memory: 82% User Name: ANorris Interval - Start Time: 12/14/2016 10:00:00 PM Stop Time: 12/22/2016 7:45:00 PM  
1/5/2017 14:30 Log Download - Used Battery: 36% Used Memory: 84% User Name: SKuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 1/5/2017 2:30:00 PM  
1/12/2017 8:49 Log Download - Used Battery: 36% Used Memory: 85% User Name: SKuiper Interval - Start Time: 1/4/2017 10:00:00 PM Stop Time: 1/12/2017 8:45:00 AM  
1/19/2017 10:02 Log Download - Used Battery: 36% Used Memory: 85% User Name: EHernandez Interval - Start Time: 1/11/2017 10:00:00 PM Stop Time: 1/19/2017 11:00:00 AM  
1/26/2017 13:31 Log Download - Used Battery: 37% Used Memory: 87% User Name: SKuiper Interval - Start Time: 1/18/2017 10:00:00 PM Stop Time: 1/26/2017 1:30:00 PM  
2/2/2017 7:55 Log Download - Used Battery: 37% Used Memory: 87% User Name: WMassoll Interval - Start Time: 12/31/2016 10:00:00 PM Stop Time: 2/2/2017 7:45:00 PM  
2/9/2017 10:53 Log Download - Used Battery: 38% Used Memory: 89% User Name: EHernandez Interval - Start Time: 2/1/2017 12:00:00 AM Stop Time: 2/9/2017 11:45:00 AM  
2/16/2017 13:53 Log Download - Used Battery: 38% Used Memory: 89% User Name: WMassoll Interval - Start Time: 2/8/2017 10:00:00 PM Stop Time: 2/16/2017 2:45:00 PM  
2/23/2017 8:39 Log Download - Used Battery: 38% Used Memory: 90% User Name: EHernandez Interval - Start Time: 2/15/2017 12:00:00 AM Stop Time: 2/23/2017 9:30:00 AM  
3/2/2017 10:31 Log Download - Used Battery: 39% Used Memory: 90% User Name: SKuiper Interval - Start Time: 1/31/2017 10:00:00 PM Stop Time: 3/2/2017 10:30:00 AM  
3/9/2017 17:11 Log Download - Used Battery: 39% Used Memory: 92% User Name: WMassoll Interval - Start Time: 3/1/2017 11:30:00 PM Stop Time: 3/9/2017 6:00:00 PM  
3/16/2017 18:22 Log Download - Used Battery: 39% Used Memory: 92% User Name: WMassoll Interval - Start Time: 3/8/2017 10:00:00 PM Stop Time: 3/16/2017 7:15:00 PM  
3/23/2017 10:41 Log Download - Used Battery: 40% Used Memory: 93% User Name: AVanHaitsma Interval - Start Time: 3/15/2017 10:00:00 PM Stop Time: 3/23/2017 11:30:00 AM  
3/30/2017 8:51 Log Download - Used Battery: 40% Used Memory: 93% User Name: AVanHaitsma Interval - Start Time: 3/22/2017 10:00:00 PM Stop Time: 3/30/2017 9:45:00 AM  
4/6/2017 16:43 Log Download - Used Battery: 40% Used Memory: 95% User Name: WMassoll Interval - Start Time: 2/28/2017 12:00:00 PM Stop Time: 4/6/2017 5:30:00 PM  
4/13/2017 14:21 Log Download - Used Battery: 41% Used Memory: 95% User Name: SKuiper Interval - Start Time: 4/5/2017 10:00:00 PM Stop Time: 4/13/2017 3:00:00 PM  
4/20/2017 8:32 Log Download - Used Battery: 41% Used Memory: 96% User Name: AVanHaitsma Interval - Start Time: 4/12/2017 10:00:00 PM Stop Time: 4/20/2017 9:30:00 AM  
4/27/2017 18:15 Log Download - Used Battery: 41% Used Memory: 96% User Name: WMassoll Interval - Start Time: 4/19/2017 10:00:00 PM Stop Time: 4/27/2017 6:15:00 PM  
5/4/2017 8:29 Log Download - Used Battery: 42% Used Memory: 98% User Name: AVanHaitsma Interval - Start Time: 3/31/2017 10:00:00 PM Stop Time: 5/4/2017 9:15:00 AM  
5/10/2017 15:38 Log Download - Used Battery: 42% Used Memory: 98% User Name: AVanHaitsma Interval - Start Time: 5/3/2017 10:00:00 PM Stop Time: 5/10/2017 3:30:00 PM  
5/11/2017 8:37 Log Download - Used Battery: 42% Used Memory: 98% User Name: AVanHaitsma Interval - Start Time: 5/3/2017 10:00:00 PM Stop Time: 5/11/2017 9:30:00 AM  
5/18/2017 12:36 Log Download - Used Battery: 43% Used Memory: 100% User Name: WMassoll Interval - Start Time: 5/10/2017 10:00:00 PM Stop Time: 5/18/2017 1:30:00 PM  
5/25/2017 7:38 Log Download - Used Battery: 43% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 5/17/2017 10:00:00 PM Stop Time: 5/25/2017 7:30:00 AM  
6/1/2017 11:06 Log Download - Used Battery: 43% Used Memory: 100% User Name: WMassoll Interval - Start Time: 4/30/2017 10:00:00 PM Stop Time: 6/1/2017 12:00:00 PM  
6/8/2017 14:46 Log Download - Used Battery: 44% Used Memory: 100% User Name: WMassoll Interval - Start Time: 5/31/2017 10:00:00 PM Stop Time: 6/8/2017 3:45:00 PM  
6/15/2017 16:19 Log Download - Used Battery: 44% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 6/7/2017 10:00:00 PM Stop Time: 6/15/2017 5:00:00 PM  
6/22/2017 14:21 Log Download - Used Battery: 45% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 6/14/2017 10:00:00 PM Stop Time: 6/22/2017 3:15:00 PM  
6/29/2017 12:18 Log Download - Used Battery: 45% Used Memory: 100% User Name: WMassoll Interval - Start Time: 6/21/2017 10:00:00 PM Stop Time: 6/29/2017 12:15:00 PM  
7/6/2017 11:50 Log Download - Used Battery: 45% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 5/31/2017 10:00:00 PM Stop Time: 7/6/2017 12:45:00 PM  
7/13/2017 17:16 Log Download - Used Battery: 46% Used Memory: 100% User Name: WMassoll Interval - Start Time: 7/5/2017 10:00:00 PM Stop Time: 7/13/2017 5:15:00 PM  
7/20/2017 16:39 Log Download - Used Battery: 46% Used Memory: 100% User Name: WMassoll Interval - Start Time: 7/12/2017 10:00:00 PM Stop Time: 7/20/2017 4:30:00 PM  
7/27/2017 8:41 Log Download - Used Battery: 46% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 7/19/2017 10:00:00 PM Stop Time: 7/27/2017 9:30:00 AM  
8/3/2017 7:22 Log Download - Used Battery: 47% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 6/30/2017 10:00:00 PM Stop Time: 8/3/2017 8:15:00 AM  
8/10/2017 15:08 Log Download - Used Battery: 47% Used Memory: 100% User Name: WMassoll Interval - Start Time: 8/2/2017 10:00:00 PM Stop Time: 8/10/2017 4:00:00 PM  
8/17/2017 7:40 Log Download - Used Battery: 47% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 8/9/2017 10:00:00 PM Stop Time: 8/17/2017 8:30:00 AM  
8/17/2017 7:41 Log Download - Used Battery: 47% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 8/9/2017 10:00:00 PM Stop Time: 8/17/2017 8:30:00 AM  
8/24/2017 7:37 Log Download - Used Battery: 48% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 8/16/2017 10:00:00 PM Stop Time: 8/24/2017 8:30:00 AM  
9/1/2017 16:37 Log Download - Used Battery: 48% Used Memory: 100% User Name: WMassoll Interval - Start Time: 7/31/2017 10:00:00 PM Stop Time: 9/1/2017 5:30:00 PM  
9/7/2017 16:34 Log Download - Used Battery: 48% Used Memory: 100% User Name: WMassoll Interval - Start Time: 8/31/2017 10:00:00 PM Stop Time: 9/7/2017 5:30:00 PM  
9/14/2017 9:30 Log Download - Used Battery: 49% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 9/6/2017 10:00:00 PM Stop Time: 9/14/2017 10:30:00 AM

Log Data:  
Record Count 719

Sensors 1  
  
1 395601 PCTD 100 PSIG (70m/231ft)

Time Zone: Pacific Daylight Time

| Date and Time   | Elapsed Time<br>Seconds | Sensor: PCTD(G) 231ft<br>SN#: 395601<br>Pressure (PSI) | Sensor: PCTD(G) 231ft<br>SN#: 395601<br>Temperature (C) | Sensor: PCTD(G) 231ft<br>SN#: 395601<br>Depth (ft) | Sensor: PCTD(G) 231ft<br>SN#: 395601<br>Actual Conductivity (µS/cm) | Sensor: PCTD(G) 231ft<br>SN#: 395601<br>Specific Conductivity (µS/cm) | Sensor: PCTD(G) 231ft<br>SN#: 395601<br>Salinity (PSU) | Sensor: PCTD(G) 231ft<br>SN#: 395601<br>Total Dissolved Solids (ppt) | Sensor: PCTD(G) 231ft<br>SN#: 395601<br>Resistivity (ohm-cm) | Sensor: PCTD(G) 231ft<br>SN#: 395601<br>Water Density (g/cm3) |
|-----------------|-------------------------|--------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------|
|                 |                         |                                                        |                                                         |                                                    |                                                                     |                                                                       |                                                        |                                                                      |                                                              |                                                               |
| 10/5/2017 0:00  |                         | 7200                                                   | 65.249                                                  | 17.178                                             | 146.98                                                              | 34996.941                                                             | 41143.938                                              | 26.505                                                               | 27.978                                                       | 28.574                                                        |
| 10/5/2017 0:15  |                         | 8100                                                   | 65.253                                                  | 17.179                                             | 146.99                                                              | 34987.758                                                             | 41132.578                                              | 26.497                                                               | 27.97                                                        | 28.581                                                        |
| 10/5/2017 0:30  |                         | 9000                                                   | 65.254                                                  | 17.179                                             | 146.992                                                             | 34989.855                                                             | 41134.789                                              | 26.499                                                               | 27.972                                                       | 28.58                                                         |
| 10/5/2017 0:45  |                         | 9900                                                   | 65.254                                                  | 17.178                                             | 146.991                                                             | 34995.359                                                             | 41141.832                                              | 26.504                                                               | 27.976                                                       | 28.575                                                        |
| 10/5/2017 1:00  |                         | 10800                                                  | 65.248                                                  | 17.178                                             | 146.978                                                             | 34992.32                                                              | 41138.18                                               | 26.501                                                               | 27.974                                                       | 28.578                                                        |
| 10/5/2017 1:15  |                         | 11700                                                  | 65.254                                                  | 17.178                                             | 146.991                                                             | 34987.488                                                             | 41132.5                                                | 26.497                                                               | 27.97                                                        | 28.581                                                        |
| 10/5/2017 1:30  |                         | 12600                                                  | 65.252                                                  | 17.179                                             | 146.985                                                             | 34978.48                                                              | 41121.418                                              | 26.489                                                               | 27.963                                                       | 28.589                                                        |
| 10/5/2017 1:45  |                         | 13500                                                  | 65.253                                                  | 17.179                                             | 146.989                                                             | 34974.605                                                             | 41116.863                                              | 26.486                                                               | 27.959                                                       | 28.592                                                        |
| 10/5/2017 2:00  |                         | 14400                                                  | 65.248                                                  | 17.179                                             | 146.977                                                             | 34989.656                                                             | 41134.719                                              | 26.499                                                               | 27.972                                                       | 28.58                                                         |
| 10/5/2017 2:15  |                         | 15300                                                  | 65.246                                                  | 17.178                                             | 146.973                                                             | 34999.398                                                             | 41146.332                                              | 26.507                                                               | 27.98                                                        | 28.572                                                        |
| 10/5/2017 2:30  |                         | 16200                                                  | 65.244                                                  | 17.179                                             | 146.969                                                             | 35009.191                                                             | 41157.609                                              | 26.515                                                               | 27.987                                                       | 28.564                                                        |
| 10/5/2017 2:45  |                         | 17100                                                  | 65.246                                                  | 17.178                                             | 146.973                                                             | 35009.207                                                             | 41158.031                                              | 26.515                                                               | 27.987                                                       | 28.564                                                        |
| 10/5/2017 3:00  |                         | 18000                                                  | 65.24                                                   | 17.179                                             | 146.959                                                             | 35000.98                                                              | 41147.625                                              | 26.508                                                               | 27.98                                                        | 28.571                                                        |
| 10/5/2017 3:15  |                         | 18900                                                  | 65.233                                                  | 17.179                                             | 146.944                                                             | 34996.016                                                             | 41141.949                                              | 26.504                                                               | 27.977                                                       | 28.575                                                        |
| 10/5/2017 3:30  |                         | 19800                                                  | 65.238                                                  | 17.179                                             | 146.955                                                             | 35004.215                                                             | 41151.832                                              | 26.511                                                               | 27.983                                                       | 28.568                                                        |
| 10/5/2017 3:45  |                         | 20700                                                  | 65.235                                                  | 17.179                                             | 146.948                                                             | 35037.297                                                             | 41190.32                                               | 26.538                                                               | 28.009                                                       | 28.541                                                        |
| 10/5/2017 4:00  |                         | 21600                                                  | 65.231                                                  | 17.179                                             | 146.94                                                              | 34989.293                                                             | 41134.129                                              | 26.498                                                               | 27.971                                                       | 28.58                                                         |
| 10/5/2017 4:15  |                         | 22500                                                  | 65.23                                                   | 17.179                                             | 146.937                                                             | 35002.836                                                             | 41149.969                                              | 26.509                                                               | 27.982                                                       | 28.569                                                        |
| 10/5/2017 4:30  |                         | 23400                                                  | 65.23                                                   | 17.179                                             | 146.937                                                             | 34984.344                                                             | 41128.156                                              | 26.494                                                               | 27.967                                                       | 28.584                                                        |
| 10/5/2017 4:45  |                         | 24300                                                  | 65.226                                                  | 17.179                                             | 146.927                                                             | 35018.254                                                             | 41168.336                                              | 26.523                                                               | 27.994                                                       | 28.557                                                        |
| 10/5/2017 5:00  |                         | 25200                                                  | 65.228                                                  | 17.179                                             | 146.932                                                             | 35016.27                                                              | 41165.844                                              | 26.521                                                               | 27.993                                                       | 28.558                                                        |
| 10/5/2017 5:15  |                         | 26100                                                  | 65.226                                                  | 17.179                                             | 146.929                                                             | 35026.68                                                              | 41178.172                                              | 26.53                                                                | 28.001                                                       | 28.55                                                         |
| 10/5/2017 5:30  |                         | 27000                                                  | 65.228                                                  | 17.179                                             | 146.933                                                             | 35032.008                                                             | 41184.598                                              | 26.534                                                               | 28.006                                                       | 28.545                                                        |
| 10/5/2017 5:45  |                         | 27900                                                  | 65.23                                                   | 17.179                                             | 146.937                                                             | 35002.637                                                             | 41150.07                                               | 26.51                                                                | 27.982                                                       | 28.569                                                        |
| 10/5/2017 6:00  |                         | 28800                                                  | 65.23                                                   | 17.179                                             | 146.937                                                             | 35013.75                                                              | 41162.801                                              | 26.519                                                               | 27.991                                                       | 28.56                                                         |
| 10/5/2017 6:15  |                         | 29700                                                  | 65.236                                                  | 17.179                                             | 146.95                                                              | 35007.938                                                             | 41155.574                                              | 26.519                                                               | 27.986                                                       | 28.565                                                        |
| 10/5/2017 6:30  |                         | 30600                                                  | 65.24                                                   | 17.179                                             | 146.959                                                             | 35002.043                                                             | 41149.117                                              | 26.509                                                               | 27.981                                                       | 28.57                                                         |
| 10/5/2017 6:45  |                         | 31500                                                  | 65.24                                                   | 17.179                                             | 146.96                                                              | 34993.523                                                             | 41139.02                                               | 26.502                                                               | 27.975                                                       | 28.577                                                        |
| 10/5/2017 7:00  |                         | 32400                                                  | 65.244                                                  | 17.179                                             | 146.969                                                             | 35000.055                                                             | 41146.465                                              | 26.507                                                               | 27.98                                                        | 28.571                                                        |
| 10/5/2017 7:15  |                         | 33300                                                  | 65.252                                                  | 17.179                                             | 146.985                                                             | 35025.789                                                             | 41176.879                                              | 26.529                                                               | 28                                                           | 28.55                                                         |
| 10/5/2017 7:30  |                         | 34200                                                  | 65.253                                                  | 17.179                                             | 146.989                                                             | 34998.293                                                             | 41144.391                                              | 26.506                                                               | 27.978                                                       | 28.573                                                        |
| 10/5/2017 7:45  |                         | 35100                                                  | 65.258                                                  | 17.179                                             | 147.001                                                             | 35032.469                                                             | 41184.414                                              | 26.534                                                               | 28.005                                                       | 28.545                                                        |
| 10/5/2017 8:00  |                         | 36000                                                  | 65.267                                                  | 17.179                                             | 147.021                                                             | 35012.578                                                             | 41161.262                                              | 26.518                                                               | 27.99                                                        | 28.561                                                        |
| 10/5/2017 8:15  |                         | 36900                                                  | 65.27                                                   | 17.179                                             | 147.027                                                             | 34995.453                                                             | 41141.461                                              | 26.503                                                               | 27.976                                                       | 28.575                                                        |
| 10/5/2017 8:30  |                         | 37800                                                  | 65.277                                                  | 17.179                                             | 147.043                                                             | 35017.832                                                             | 41167.363                                              | 26.522                                                               | 27.994                                                       | 28.557                                                        |
| 10/5/2017 8:45  |                         | 38700                                                  | 65.282                                                  | 17.179                                             | 147.054                                                             | 35002.66                                                              | 41149.527                                              | 26.509                                                               | 27.982                                                       | 28.569                                                        |
| 10/5/2017 9:00  |                         | 39600                                                  | 65.285                                                  | 17.179                                             | 147.06                                                              | 35020.613                                                             | 41170.547                                              | 26.524                                                               | 27.996                                                       | 28.555                                                        |
| 10/5/2017 9:15  |                         | 40500                                                  | 65.29                                                   | 17.179                                             | 147.073                                                             | 35017.664                                                             | 41167.734                                              | 26.522                                                               | 27.994                                                       | 28.557                                                        |
| 10/5/2017 9:30  |                         | 41400                                                  | 65.304                                                  | 17.179                                             | 147.103                                                             | 35008.566                                                             | 41156.875                                              | 26.514                                                               | 27.987                                                       | 28.564                                                        |
| 10/5/2017 9:45  |                         | 42300                                                  | 65.306                                                  | 17.179                                             | 147.109                                                             | 35022.117                                                             | 41172.074                                              | 26.525                                                               | 27.997                                                       | 28.553                                                        |
| 10/5/2017 10:00 |                         | 43200                                                  | 65.31                                                   | 17.179                                             | 147.117                                                             | 35001.73                                                              | 41148.434                                              | 26.508                                                               | 27.981                                                       | 28.57                                                         |
| 10/5/2017 10:15 |                         | 44100                                                  | 65.316                                                  | 17.179                                             | 147.13                                                              | 35010.375                                                             | 41158.348                                              | 26.515                                                               | 27.988                                                       | 28.563                                                        |
| 10/5/2017 10:30 |                         | 45000                                                  | 65.321                                                  | 17.179                                             | 147.142                                                             | 35027.902                                                             | 41179.199                                              | 26.53                                                                | 28.002                                                       | 28.549                                                        |

|                 |        |        |        |         |           |           |        |        |        |       |
|-----------------|--------|--------|--------|---------|-----------|-----------|--------|--------|--------|-------|
| 10/5/2017 10:45 | 45900  | 65.331 | 17.18  | 147.164 | 35011.621 | 41159.652 | 26.516 | 27.989 | 28.562 | 1.019 |
| 10/5/2017 11:00 | 46800  | 65.333 | 17.179 | 147.169 | 35029.598 | 41180.945 | 26.532 | 28.003 | 28.547 | 1.019 |
| 10/5/2017 11:15 | 47700  | 65.334 | 17.179 | 147.171 | 35012.246 | 41160.641 | 26.517 | 27.989 | 28.561 | 1.019 |
| 10/5/2017 11:30 | 48600  | 65.331 | 17.179 | 147.164 | 35010.852 | 41159.07  | 26.516 | 27.988 | 28.563 | 1.019 |
| 10/5/2017 11:45 | 49500  | 65.338 | 17.179 | 147.179 | 35015.469 | 41164.258 | 26.52  | 27.992 | 28.559 | 1.019 |
| 10/5/2017 12:00 | 50400  | 65.338 | 17.18  | 147.181 | 35030.063 | 41181.09  | 26.532 | 28.003 | 28.547 | 1.019 |
| 10/5/2017 12:15 | 51300  | 65.34  | 17.18  | 147.186 | 35023.848 | 41173.867 | 26.527 | 27.998 | 28.552 | 1.019 |
| 10/5/2017 12:30 | 52200  | 65.341 | 17.179 | 147.186 | 35008.574 | 41156.23  | 26.514 | 27.986 | 28.564 | 1.019 |
| 10/5/2017 12:45 | 53100  | 65.344 | 17.18  | 147.194 | 35024.578 | 41174.883 | 26.527 | 27.999 | 28.551 | 1.019 |
| 10/5/2017 13:00 | 54000  | 65.345 | 17.18  | 147.195 | 35011.305 | 41159.277 | 26.516 | 27.988 | 28.562 | 1.019 |
| 10/5/2017 13:15 | 54900  | 65.337 | 17.179 | 147.179 | 35019.973 | 41169.723 | 26.524 | 27.995 | 28.555 | 1.019 |
| 10/5/2017 13:30 | 55800  | 65.34  | 17.179 | 147.184 | 35020.602 | 41170.461 | 26.524 | 27.996 | 28.555 | 1.019 |
| 10/5/2017 13:45 | 56700  | 65.341 | 17.179 | 147.186 | 35013.418 | 41162.086 | 26.518 | 27.99  | 28.56  | 1.019 |
| 10/5/2017 14:00 | 57600  | 65.337 | 17.18  | 147.178 | 35023.445 | 41173.309 | 26.526 | 27.998 | 28.552 | 1.019 |
| 10/5/2017 14:15 | 58500  | 65.336 | 17.18  | 147.177 | 35032.129 | 41183.762 | 26.534 | 28.005 | 28.545 | 1.019 |
| 10/5/2017 14:30 | 59400  | 65.331 | 17.179 | 147.164 | 34998.758 | 41144.691 | 26.506 | 27.978 | 28.572 | 1.019 |
| 10/5/2017 14:45 | 60300  | 65.326 | 17.179 | 147.152 | 35012.371 | 41160.531 | 26.517 | 27.989 | 28.561 | 1.019 |
| 10/5/2017 15:00 | 61200  | 65.323 | 17.179 | 147.147 | 35013.637 | 41163     | 26.519 | 27.991 | 28.56  | 1.019 |
| 10/5/2017 15:15 | 62100  | 65.324 | 17.18  | 147.149 | 35008.34  | 41155.793 | 26.514 | 27.986 | 28.565 | 1.019 |
| 10/5/2017 15:30 | 63000  | 65.321 | 17.179 | 147.142 | 35019.984 | 41169.645 | 26.524 | 27.995 | 28.555 | 1.019 |
| 10/5/2017 15:45 | 63900  | 65.316 | 17.18  | 147.132 | 34995.715 | 41140.547 | 26.503 | 27.976 | 28.575 | 1.019 |
| 10/5/2017 16:00 | 64800  | 65.311 | 17.18  | 147.118 | 35018.488 | 41167.723 | 26.522 | 27.994 | 28.556 | 1.019 |
| 10/5/2017 16:15 | 65700  | 65.31  | 17.18  | 147.117 | 35011.34  | 41159.32  | 26.516 | 27.988 | 28.562 | 1.019 |
| 10/5/2017 16:30 | 66600  | 65.307 | 17.179 | 147.111 | 35034.383 | 41186.492 | 26.536 | 28.007 | 28.543 | 1.019 |
| 10/5/2017 16:45 | 67500  | 65.302 | 17.18  | 147.1   | 35018.719 | 41167.668 | 26.522 | 27.994 | 28.556 | 1.019 |
| 10/5/2017 17:00 | 68400  | 65.3   | 17.179 | 147.095 | 35022.691 | 41172.988 | 26.526 | 27.998 | 28.553 | 1.019 |
| 10/5/2017 17:15 | 69300  | 65.299 | 17.18  | 147.092 | 34997.137 | 41142.383 | 26.504 | 27.977 | 28.574 | 1.019 |
| 10/5/2017 17:30 | 70200  | 65.299 | 17.179 | 147.092 | 35015.648 | 41164.797 | 26.52  | 27.992 | 28.559 | 1.019 |
| 10/5/2017 17:45 | 71100  | 65.3   | 17.179 | 147.095 | 35017.414 | 41166.543 | 26.521 | 27.993 | 28.557 | 1.019 |
| 10/5/2017 18:00 | 72000  | 65.302 | 17.179 | 147.1   | 35012.711 | 41161.344 | 26.518 | 27.99  | 28.561 | 1.019 |
| 10/5/2017 18:15 | 72900  | 65.28  | 17.179 | 147.049 | 35022.086 | 41172.039 | 26.525 | 27.997 | 28.553 | 1.019 |
| 10/5/2017 18:30 | 73800  | 65.259 | 17.179 | 147.003 | 35016.73  | 41166.066 | 26.521 | 27.993 | 28.558 | 1.019 |
| 10/5/2017 18:45 | 74700  | 65.232 | 17.18  | 146.942 | 35019.672 | 41169.117 | 26.523 | 27.995 | 28.555 | 1.019 |
| 10/5/2017 19:00 | 75600  | 65.234 | 17.179 | 146.946 | 35033.766 | 41185.938 | 26.535 | 28.006 | 28.544 | 1.019 |
| 10/5/2017 19:15 | 76500  | 65.205 | 17.18  | 146.882 | 35035.105 | 41187.016 | 26.536 | 28.007 | 28.543 | 1.019 |
| 10/5/2017 19:30 | 77400  | 65.194 | 17.18  | 146.855 | 35031.039 | 41181.836 | 26.532 | 28.004 | 28.546 | 1.019 |
| 10/5/2017 19:45 | 78300  | 65.192 | 17.18  | 146.851 | 35039.688 | 41192.645 | 26.54  | 28.011 | 28.539 | 1.019 |
| 10/5/2017 20:00 | 79200  | 65.183 | 17.18  | 146.832 | 35060.23  | 41216.391 | 26.557 | 28.027 | 28.522 | 1.019 |
| 10/5/2017 20:15 | 80100  | 65.181 | 17.18  | 146.826 | 35074.793 | 41233.438 | 26.569 | 28.039 | 28.511 | 1.019 |
| 10/5/2017 20:30 | 81000  | 65.179 | 17.18  | 146.823 | 35051.891 | 41206.422 | 26.55  | 28.02  | 28.529 | 1.019 |
| 10/5/2017 20:45 | 81900  | 65.177 | 17.18  | 146.818 | 35051.086 | 41205.473 | 26.549 | 28.02  | 28.53  | 1.019 |
| 10/5/2017 21:00 | 82800  | 65.178 | 17.18  | 146.821 | 35055.039 | 41210.367 | 26.553 | 28.023 | 28.527 | 1.019 |
| 10/5/2017 21:15 | 83700  | 65.181 | 17.18  | 146.826 | 35033.816 | 41185.34  | 26.535 | 28.006 | 28.544 | 1.019 |
| 10/5/2017 21:30 | 84600  | 65.183 | 17.179 | 146.83  | 35066.77  | 41224.566 | 26.563 | 28.033 | 28.517 | 1.019 |
| 10/5/2017 21:45 | 85500  | 65.183 | 17.181 | 146.832 | 35049.191 | 41202.922 | 26.547 | 28.018 | 28.531 | 1.019 |
| 10/5/2017 22:00 | 86400  | 65.181 | 17.18  | 146.826 | 35080.195 | 41239.531 | 26.573 | 28.043 | 28.506 | 1.019 |
| 10/5/2017 22:15 | 87300  | 65.187 | 17.18  | 146.84  | 35044.84  | 41197.969 | 26.544 | 28.015 | 28.535 | 1.019 |
| 10/5/2017 22:30 | 88200  | 65.187 | 17.18  | 146.841 | 35051.348 | 41205.781 | 26.549 | 28.02  | 28.53  | 1.019 |
| 10/5/2017 22:45 | 89100  | 65.191 | 17.18  | 146.849 | 35059.906 | 41215.844 | 26.557 | 28.027 | 28.523 | 1.019 |
| 10/5/2017 23:00 | 90000  | 65.192 | 17.18  | 146.852 | 41198.344 | 41198.344 | 26.544 | 28.015 | 28.535 | 1.019 |
| 10/5/2017 23:15 | 90900  | 65.19  | 17.18  | 146.847 | 35060.422 | 41216.867 | 26.557 | 28.027 | 28.522 | 1.019 |
| 10/5/2017 23:30 | 91800  | 65.19  | 17.181 | 146.848 | 35056.512 | 41211.363 | 26.553 | 28.024 | 28.525 | 1.019 |
| 10/5/2017 23:45 | 92700  | 65.194 | 17.18  | 146.856 | 35055.902 | 41211.383 | 26.553 | 28.024 | 28.526 | 1.019 |
| 10/6/2017 0:00  | 93600  | 65.191 | 17.18  | 146.849 | 35049.676 | 41203.984 | 26.548 | 28.019 | 28.531 | 1.019 |
| 10/6/2017 0:15  | 94500  | 65.192 | 17.18  | 146.851 | 35055.586 | 41211.012 | 26.553 | 28.023 | 28.526 | 1.019 |
| 10/6/2017 0:30  | 95400  | 65.196 | 17.179 | 146.86  | 35042.586 | 41196.215 | 26.543 | 28.013 | 28.537 | 1.019 |
| 10/6/2017 0:45  | 96300  | 65.192 | 17.18  | 146.851 | 35059.887 | 41215.988 | 26.557 | 28.027 | 28.523 | 1.019 |
| 10/6/2017 1:00  | 97200  | 65.189 | 17.18  | 146.844 | 35039.66  | 41192.289 | 26.54  | 28.011 | 28.539 | 1.019 |
| 10/6/2017 1:15  | 98100  | 65.187 | 17.18  | 146.841 | 35057.684 | 41213.156 | 26.555 | 28.025 | 28.524 | 1.019 |
| 10/6/2017 1:30  | 99000  | 65.188 | 17.18  | 146.843 | 35048.805 | 41203.121 | 26.547 | 28.018 | 28.532 | 1.019 |
| 10/6/2017 1:45  | 99900  | 65.178 | 17.18  | 146.819 | 35047.273 | 41201.16  | 26.546 | 28.017 | 28.533 | 1.019 |
| 10/6/2017 2:00  | 100800 | 65.179 | 17.18  | 146.823 | 35071.98  | 41230.453 | 26.567 | 28.037 | 28.513 | 1.019 |
| 10/6/2017 2:15  | 101700 | 65.173 | 17.18  | 146.808 | 35055.031 | 41210.203 | 26.553 | 28.023 | 28.527 | 1.019 |
| 10/6/2017 2:30  | 102600 | 65.167 | 17.18  | 146.796 | 35044.301 | 41197.59  | 26.544 | 28.014 | 28.535 | 1.019 |
| 10/6/2017 2:45  | 103500 | 65.165 | 17.18  | 146.789 | 35032.285 | 41183.465 | 26.533 | 28.005 | 28.545 | 1.019 |
| 10/6/2017 3:00  | 104400 | 65.157 | 17.18  | 146.772 | 35059.602 | 41215.414 | 26.556 | 28.026 | 28.523 | 1.019 |
| 10/6/2017 3:15  | 105300 | 65.155 | 17.18  | 146.769 | 35046.453 | 41200.273 | 26.545 | 28.016 | 28.534 | 1.019 |
| 10/6/2017 3:30  | 106200 | 65.147 | 17.18  | 146.751 | 35039.734 | 41192.547 | 26.54  | 28.011 | 28.539 | 1.019 |
| 10/6/2017 3:45  | 107100 | 65.147 | 17.18  | 146.75  | 35046.141 | 41199.988 | 26.545 | 28.016 | 28.534 | 1.019 |
| 10/6/2017 4:00  | 108000 | 65.135 | 17.18  | 146.724 | 35058.406 | 41214.172 | 26.555 | 28.026 | 28.524 | 1.019 |
| 10/6/2017 4:15  | 108900 | 65.136 | 17.18  | 146.725 | 35023.188 | 41173.094 | 26.526 | 27.998 | 28.553 | 1.019 |
| 10/6/2017 4:30  | 109800 | 65.131 | 17.18  | 146.715 | 35053.723 | 41208.668 | 26.551 | 28.022 | 28.528 | 1.019 |
| 10/6/2017 4:45  | 110700 | 65.127 | 17.18  | 146.706 | 35050.508 | 41205.125 | 26.549 | 28.019 | 28.53  | 1.019 |
| 10/6/2017 5:00  | 111600 | 65.12  | 17.18  | 146.69  | 35057.234 | 41213.195 | 26.555 | 28.025 | 28.525 | 1.019 |
| 10/6/2017 5:15  | 112500 | 65.119 | 17.18  | 146.687 | 35046.016 | 41199.844 | 26.545 | 28.016 | 28.534 | 1.019 |
| 10/6/2017 5:30  | 113400 | 65.115 | 17.18  | 146.677 | 35064.137 | 41221.387 | 26.56  | 28.031 | 28.519 | 1.019 |
| 10/6/2017 5:45  | 114300 | 65.115 | 17.18  | 146.678 | 35047.617 | 41201.234 | 26.546 | 28.017 | 28.533 | 1.019 |
| 10/6/2017 6:00  | 115200 | 65.111 | 17.18  | 146.669 | 35050.848 | 41205.363 | 26.549 | 28.02  | 28.53  | 1.019 |
| 10/6/2017 6:15  | 116100 | 65.104 | 17.18  | 146.654 | 35049.625 | 41203.758 | 26.548 | 28.019 | 28.531 | 1.019 |
| 10/6/2017 6:30  | 117000 | 65.11  | 17.18  | 146.667 | 35047.398 | 41201.383 | 26.546 | 28.017 | 28.533 | 1.019 |
| 10/6/2017 6:45  | 117900 | 65.109 | 17.18  | 146.665 | 35033.559 | 41185.035 | 26.535 | 28.006 | 28.544 | 1.019 |
| 10/6/2017 7:00  | 118800 | 65.108 | 17.18  | 146.662 | 35036.258 | 41188.137 | 26.537 | 28.008 | 28.542 | 1.019 |
| 10/6/2017 7:15  | 119700 | 65.113 | 17.18  | 146.673 | 35014.395 | 41162.434 | 26.518 | 27.99  | 28.56  | 1.019 |
| 10/6/2017 7:30  | 120600 | 65.111 | 17.18  | 146.669 | 35041.652 | 41194.551 | 26.541 | 28.012 | 28.537 | 1.019 |
| 10/6/2017 7:45  | 121500 | 65.109 | 17.18  | 146.664 | 35044.348 | 41197.969 | 26.544 | 28.015 | 28.535 | 1.019 |
| 10/6/2017 8:00  | 122400 | 65.116 | 17.18  | 146.68  | 35051.844 | 41206.457 | 26.55  | 28.02  | 28.529 | 1.019 |
| 10/6/2017 8:15  | 123300 | 65.117 | 17.18  | 146.683 | 35063.004 | 41219.652 | 26.559 | 28.029 | 28.52  | 1.019 |
| 10/6/2017 8:30  | 124200 | 65.12  | 17.18  | 146.69  | 35064.477 | 41221.309 | 26.56  | 28.03  | 28.519 | 1.019 |
| 10/6/2017 8:45  | 125100 | 65.122 | 17.18  | 146.694 | 35064.988 | 41221.816 | 26.561 | 28.031 | 28.518 | 1.019 |
| 10/6/2017 9:00  | 126000 | 65.129 | 17.18  | 146.71  | 35028.934 | 41179.676 | 26.531 | 28.002 | 28.548 | 1.    |

|                 |        |        |        |         |           |           |        |        |        |       |
|-----------------|--------|--------|--------|---------|-----------|-----------|--------|--------|--------|-------|
| 10/7/2017 7:15  | 206100 | 65.062 | 17.18  | 146.56  | 35054.637 | 41209.742 | 26.552 | 28.023 | 28.527 | 1.019 |
| 10/7/2017 7:30  | 207000 | 65.068 | 17.18  | 146.571 | 35001.211 | 41146.609 | 26.507 | 27.98  | 28.57  | 1.019 |
| 10/7/2017 7:45  | 207900 | 65.067 | 17.18  | 146.569 | 35045.367 | 41198.516 | 26.544 | 28.015 | 28.534 | 1.019 |
| 10/7/2017 8:00  | 208800 | 65.068 | 17.18  | 146.572 | 35059.051 | 41214.676 | 26.556 | 28.026 | 28.523 | 1.019 |
| 10/7/2017 8:15  | 209700 | 65.07  | 17.181 | 146.576 | 35047.957 | 41201.469 | 26.546 | 28.017 | 28.532 | 1.019 |
| 10/7/2017 8:30  | 210600 | 65.071 | 17.18  | 146.579 | 35034.957 | 41186.281 | 26.535 | 28.007 | 28.543 | 1.019 |
| 10/7/2017 8:45  | 211500 | 65.072 | 17.18  | 146.58  | 35041.133 | 41193.613 | 26.541 | 28.012 | 28.538 | 1.019 |
| 10/7/2017 9:00  | 212400 | 65.08  | 17.18  | 146.598 | 35046.988 | 41200.902 | 26.546 | 28.017 | 28.533 | 1.019 |
| 10/7/2017 9:15  | 213300 | 65.08  | 17.18  | 146.598 | 35055.086 | 41210.27  | 26.553 | 28.023 | 28.527 | 1.019 |
| 10/7/2017 9:30  | 214200 | 65.092 | 17.181 | 146.626 | 35057.375 | 41212.543 | 26.554 | 28.025 | 28.525 | 1.019 |
| 10/7/2017 9:45  | 215100 | 65.091 | 17.181 | 146.623 | 35024.047 | 41173.293 | 26.526 | 27.998 | 28.552 | 1.019 |
| 10/7/2017 10:00 | 216000 | 65.097 | 17.181 | 146.636 | 35039.652 | 41191.637 | 26.539 | 28.01  | 28.539 | 1.019 |
| 10/7/2017 10:15 | 216900 | 65.102 | 17.181 | 146.648 | 35052.98  | 41207.215 | 26.55  | 28.021 | 28.528 | 1.019 |
| 10/7/2017 10:30 | 217800 | 65.104 | 17.181 | 146.654 | 35039.754 | 41191.586 | 26.539 | 28.01  | 28.539 | 1.019 |
| 10/7/2017 10:45 | 218700 | 65.112 | 17.181 | 146.671 | 35042.938 | 41195.57  | 26.542 | 28.013 | 28.536 | 1.019 |
| 10/7/2017 11:00 | 219600 | 65.109 | 17.18  | 146.664 | 35054.199 | 41209.063 | 26.552 | 28.022 | 28.527 | 1.019 |
| 10/7/2017 11:15 | 220500 | 65.118 | 17.181 | 146.685 | 35034.254 | 41185.043 | 26.535 | 28.006 | 28.543 | 1.019 |
| 10/7/2017 11:30 | 221400 | 65.121 | 17.181 | 146.691 | 35026.938 | 41176.691 | 26.529 | 28     | 28.549 | 1.019 |
| 10/7/2017 11:45 | 222300 | 65.122 | 17.181 | 146.694 | 35039.734 | 41191.484 | 26.539 | 28.01  | 28.539 | 1.019 |
| 10/7/2017 12:00 | 223200 | 65.128 | 17.181 | 146.708 | 35030.559 | 41180.777 | 26.532 | 28.003 | 28.547 | 1.019 |
| 10/7/2017 12:15 | 224100 | 65.129 | 17.18  | 146.71  | 35037.121 | 41188.824 | 26.537 | 28.008 | 28.541 | 1.019 |
| 10/7/2017 12:30 | 225000 | 65.126 | 17.181 | 146.703 | 35038.477 | 41190.008 | 26.538 | 28.009 | 28.54  | 1.019 |
| 10/7/2017 12:45 | 225900 | 65.135 | 17.181 | 146.722 | 35050.125 | 41203.617 | 26.548 | 28.018 | 28.531 | 1.019 |
| 10/7/2017 13:00 | 226800 | 65.134 | 17.181 | 146.721 | 35029.539 | 41179.656 | 26.531 | 28.002 | 28.547 | 1.019 |
| 10/7/2017 13:15 | 227700 | 65.131 | 17.181 | 146.715 | 35050.73  | 41204.414 | 26.548 | 28.019 | 28.53  | 1.019 |
| 10/7/2017 13:30 | 228600 | 65.133 | 17.18  | 146.719 | 35050.891 | 41205.012 | 26.549 | 28.019 | 28.53  | 1.019 |
| 10/7/2017 13:45 | 229500 | 65.133 | 17.181 | 146.718 | 35024.309 | 41173.602 | 26.526 | 27.998 | 28.552 | 1.019 |
| 10/7/2017 14:00 | 230400 | 65.13  | 17.18  | 146.711 | 35032.965 | 41184.008 | 26.534 | 28.005 | 28.545 | 1.019 |
| 10/7/2017 14:15 | 231300 | 65.124 | 17.181 | 146.697 | 35029.457 | 41179.559 | 26.531 | 28.002 | 28.547 | 1.019 |
| 10/7/2017 14:30 | 232200 | 65.125 | 17.181 | 146.699 | 35036.23  | 41187.523 | 26.536 | 28.008 | 28.542 | 1.019 |
| 10/7/2017 14:45 | 233100 | 65.117 | 17.181 | 146.683 | 35041.887 | 41194.016 | 26.541 | 28.012 | 28.537 | 1.019 |
| 10/7/2017 15:00 | 234000 | 65.115 | 17.18  | 146.678 | 35026.941 | 41177.09  | 26.529 | 28     | 28.549 | 1.019 |
| 10/7/2017 15:15 | 234900 | 65.108 | 17.181 | 146.663 | 35031.516 | 41182.559 | 26.533 | 28.004 | 28.546 | 1.019 |
| 10/7/2017 15:30 | 235800 | 65.107 | 17.18  | 146.659 | 35046.563 | 41199.59  | 26.545 | 28.016 | 28.533 | 1.019 |
| 10/7/2017 15:45 | 236700 | 65.098 | 17.181 | 146.639 | 35014.547 | 41162.031 | 26.518 | 27.99  | 28.56  | 1.019 |
| 10/7/2017 16:00 | 237600 | 65.091 | 17.181 | 146.624 | 35066.723 | 41223.461 | 26.562 | 28.032 | 28.517 | 1.019 |
| 10/7/2017 16:15 | 238500 | 65.089 | 17.181 | 146.62  | 35023.441 | 41172.488 | 26.526 | 27.997 | 28.552 | 1.019 |
| 10/7/2017 16:30 | 239400 | 65.081 | 17.181 | 146.602 | 35028.398 | 41178.477 | 26.53  | 28.001 | 28.548 | 1.019 |
| 10/7/2017 16:45 | 240300 | 65.077 | 17.18  | 146.592 | 35034.211 | 41185.637 | 26.535 | 28.006 | 28.544 | 1.019 |
| 10/7/2017 17:00 | 241200 | 65.069 | 17.181 | 146.575 | 35049.23  | 41202.648 | 26.547 | 28.018 | 28.531 | 1.019 |
| 10/7/2017 17:15 | 242100 | 65.065 | 17.181 | 146.564 | 35054.367 | 41208.766 | 26.552 | 28.022 | 28.527 | 1.019 |
| 10/7/2017 17:30 | 243000 | 65.059 | 17.181 | 146.553 | 35046.176 | 41199.215 | 26.545 | 28.015 | 28.534 | 1.019 |
| 10/7/2017 17:45 | 243900 | 65.054 | 17.181 | 146.54  | 35051.855 | 41206.051 | 26.55  | 28.02  | 28.529 | 1.019 |
| 10/7/2017 18:00 | 244800 | 65.051 | 17.181 | 146.534 | 35029.25  | 41179.316 | 26.531 | 28.002 | 28.548 | 1.019 |
| 10/7/2017 18:15 | 245700 | 65.045 | 17.181 | 146.52  | 35060.82  | 41216.098 | 26.557 | 28.027 | 28.522 | 1.019 |
| 10/7/2017 18:30 | 246600 | 65.041 | 17.181 | 146.512 | 35046.148 | 41198.941 | 26.545 | 28.015 | 28.534 | 1.019 |
| 10/7/2017 18:45 | 247500 | 65.043 | 17.18  | 146.515 | 35054.02  | 41208.852 | 26.552 | 28.022 | 28.527 | 1.019 |
| 10/7/2017 19:00 | 248400 | 65.038 | 17.181 | 146.504 | 35050.488 | 41204.445 | 26.548 | 28.019 | 28.53  | 1.019 |
| 10/7/2017 19:15 | 249300 | 65.032 | 17.181 | 146.491 | 35049.566 | 41203.199 | 26.548 | 28.018 | 28.531 | 1.019 |
| 10/7/2017 19:30 | 250200 | 65.028 | 17.181 | 146.482 | 35044.563 | 41197.41  | 26.543 | 28.014 | 28.535 | 1.019 |
| 10/7/2017 19:45 | 251100 | 65.03  | 17.181 | 146.485 | 35067.34  | 41223.691 | 26.562 | 28.032 | 28.517 | 1.019 |
| 10/7/2017 20:00 | 252000 | 65.028 | 17.181 | 146.481 | 35053.75  | 41207.961 | 26.551 | 28.021 | 28.528 | 1.019 |
| 10/7/2017 20:15 | 252900 | 65.028 | 17.181 | 146.481 | 35029.211 | 41179.113 | 26.53  | 28.002 | 28.548 | 1.019 |
| 10/7/2017 20:30 | 253800 | 65.029 | 17.181 | 146.483 | 35055.645 | 41210.012 | 26.552 | 28.023 | 28.526 | 1.019 |
| 10/7/2017 20:45 | 254700 | 65.033 | 17.181 | 146.492 | 35040.949 | 41193.07  | 26.54  | 28.011 | 28.538 | 1.019 |
| 10/7/2017 21:00 | 255600 | 65.031 | 17.181 | 146.489 | 35051.785 | 41205.652 | 26.549 | 28.02  | 28.529 | 1.019 |
| 10/7/2017 21:15 | 256500 | 65.034 | 17.181 | 146.496 | 35072.945 | 41230.195 | 26.567 | 28.037 | 28.512 | 1.019 |
| 10/7/2017 21:30 | 257400 | 65.035 | 17.181 | 146.498 | 35046.535 | 41199.48  | 26.545 | 28.016 | 28.533 | 1.019 |
| 10/7/2017 21:45 | 258300 | 65.044 | 17.181 | 146.518 | 35056.996 | 41211.855 | 26.554 | 28.024 | 28.525 | 1.019 |
| 10/7/2017 22:00 | 259200 | 65.045 | 17.181 | 146.52  | 35055.801 | 41210.039 | 26.552 | 28.023 | 28.526 | 1.019 |
| 10/7/2017 22:15 | 260100 | 65.049 | 17.181 | 146.529 | 35050.738 | 41204.672 | 26.549 | 28.019 | 28.53  | 1.019 |
| 10/7/2017 22:30 | 261000 | 65.051 | 17.181 | 146.534 | 35030.207 | 41180.602 | 26.531 | 28.003 | 28.547 | 1.019 |
| 10/7/2017 22:45 | 261900 | 65.053 | 17.181 | 146.539 | 35031.582 | 41181.82  | 26.532 | 28.004 | 28.546 | 1.019 |
| 10/7/2017 23:00 | 262800 | 65.057 | 17.181 | 146.548 | 35035.188 | 41185.895 | 26.535 | 28.006 | 28.543 | 1.019 |
| 10/7/2017 23:15 | 263700 | 65.066 | 17.18  | 146.567 | 35048.27  | 41202     | 26.547 | 28.017 | 28.532 | 1.019 |
| 10/7/2017 23:30 | 264600 | 65.073 | 17.181 | 146.584 | 35068.129 | 41224.867 | 26.563 | 28.033 | 28.516 | 1.019 |
| 10/7/2017 23:45 | 265500 | 65.071 | 17.181 | 146.579 | 35037.258 | 41188.492 | 26.537 | 28.008 | 28.541 | 1.019 |
| 10/8/2017 0:00  | 266400 | 65.08  | 17.181 | 146.6   | 35060.699 | 41215.887 | 26.557 | 28.027 | 28.522 | 1.019 |
| 10/8/2017 0:15  | 267300 | 65.083 | 17.181 | 146.605 | 35049.305 | 41202.559 | 26.547 | 28.018 | 28.531 | 1.019 |
| 10/8/2017 0:30  | 268200 | 65.085 | 17.181 | 146.61  | 35041.273 | 41193.613 | 26.541 | 28.012 | 28.538 | 1.019 |
| 10/8/2017 0:45  | 269100 | 65.088 | 17.181 | 146.617 | 35039.531 | 41191.324 | 26.539 | 28.01  | 28.539 | 1.019 |
| 10/8/2017 1:00  | 270000 | 65.094 | 17.181 | 146.631 | 35048.766 | 41201.926 | 26.547 | 28.017 | 28.532 | 1.019 |
| 10/8/2017 1:15  | 270900 | 65.093 | 17.181 | 146.628 | 35044.219 | 41196.836 | 26.543 | 28.014 | 28.535 | 1.019 |
| 10/8/2017 1:30  | 271800 | 65.093 | 17.181 | 146.628 | 35056.531 | 41210.898 | 26.553 | 28.023 | 28.525 | 1.019 |
| 10/8/2017 1:45  | 272700 | 65.095 | 17.181 | 146.633 | 35057.668 | 41212.484 | 26.554 | 28.024 | 28.524 | 1.019 |
| 10/8/2017 2:00  | 273600 | 65.099 | 17.181 | 146.642 | 35071.574 | 41228.992 | 26.566 | 28.036 | 28.513 | 1.019 |
| 10/8/2017 2:15  | 274500 | 65.096 | 17.181 | 146.634 | 35046.559 | 41199.262 | 26.545 | 28.015 | 28.533 | 1.019 |
| 10/8/2017 2:30  | 275400 | 65.097 | 17.181 | 146.638 | 35041.301 | 41193.645 | 26.541 | 28.012 | 28.538 | 1.019 |
| 10/8/2017 2:45  | 276300 | 65.097 | 17.181 | 146.638 | 35041.813 | 41194.086 | 26.541 | 28.012 | 28.537 | 1.019 |
| 10/8/2017 3:00  | 277200 | 65.097 | 17.181 | 146.636 | 35041.785 | 41193.719 | 26.541 | 28.012 | 28.537 | 1.019 |
| 10/8/2017 3:15  | 278100 | 65.091 | 17.181 | 146.624 | 35055.582 | 41209.871 | 26.552 | 28.023 | 28.526 | 1.019 |
| 10/8/2017 3:30  | 279000 | 65.092 | 17.181 | 146.625 | 35052.297 | 41206.254 | 26.55  | 28.02  | 28.529 | 1.019 |
| 10/8/2017 3:45  | 279900 | 65.092 | 17.181 | 146.627 | 35061.348 | 41216.719 | 26.557 | 28.027 | 28.521 | 1.019 |
| 10/8/2017 4:00  | 280800 | 65.087 | 17.181 | 146.614 | 35039.207 | 41190.781 | 26.539 | 28.01  | 28.539 | 1.019 |
| 10/8/2017 4:15  | 281700 | 65.083 | 17.181 | 146.605 | 35028.199 | 41178.242 | 26.53  | 28.001 | 28.548 | 1.019 |
| 10/8/2017 4:30  | 282600 | 65.082 | 17.181 | 146.604 | 35067.422 | 41224.113 | 26.562 | 28.032 | 28.516 | 1.019 |
| 10/8/2017 4:45  | 283500 | 65.08  | 17.181 | 146.598 | 35047.469 | 41200.246 | 26.545 | 28.016 | 28.533 | 1.019 |
| 10/8/2017 5:00  | 284400 | 65.077 | 17.181 | 146.592 | 35049.805 | 41203.078 | 26.547 | 28.018 | 28.531 | 1.019 |
| 10/8/2017 5:15  | 285300 | 65.071 | 17.181 | 146.579 | 35026.137 | 41175.254 | 26.528 | 27.999 | 28.55  | 1.019 |
| 10/8/2017 5:30  |        |        |        |         |           |           |        |        |        |       |

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|-----------------|--------|--------|--------|---------|-----------|-----------|--------|--------|--------|-------|
| 10/9/2017 3:45  | 366300 | 65.089 | 17.181 | 146.62  | 35055.027 | 41209.289 | 26.552 | 28.022 | 28.527 | 1.019 |
| 10/9/2017 4:00  | 367200 | 65.087 | 17.182 | 146.614 | 35040.023 | 41191.016 | 26.539 | 28.01  | 28.539 | 1.019 |
| 10/9/2017 4:15  | 368100 | 65.083 | 17.181 | 146.606 | 35046.777 | 41199.52  | 26.545 | 28.016 | 28.533 | 1.019 |
| 10/9/2017 4:30  | 369000 | 65.088 | 17.182 | 146.616 | 35041.934 | 41193.168 | 26.54  | 28.011 | 28.537 | 1.019 |
| 10/9/2017 4:45  | 369900 | 65.082 | 17.181 | 146.603 | 35056.723 | 41211.457 | 26.553 | 28.024 | 28.525 | 1.019 |
| 10/9/2017 5:00  | 370800 | 65.079 | 17.181 | 146.597 | 35041.027 | 41192.434 | 26.54  | 28.011 | 28.538 | 1.019 |
| 10/9/2017 5:15  | 371700 | 65.08  | 17.181 | 146.598 | 35058.668 | 41213.5   | 26.555 | 28.025 | 28.524 | 1.019 |
| 10/9/2017 5:30  | 372600 | 65.073 | 17.182 | 146.584 | 35059.738 | 41214.348 | 26.556 | 28.026 | 28.523 | 1.019 |
| 10/9/2017 5:45  | 373500 | 65.075 | 17.182 | 146.587 | 35073.598 | 41230.637 | 26.567 | 28.037 | 28.511 | 1.019 |
| 10/9/2017 6:00  | 374400 | 65.072 | 17.181 | 146.58  | 35031.82  | 41181.852 | 26.532 | 28.004 | 28.545 | 1.019 |
| 10/9/2017 6:15  | 375300 | 65.07  | 17.182 | 146.576 | 35050.262 | 41202.957 | 26.547 | 28.018 | 28.53  | 1.019 |
| 10/9/2017 6:30  | 376200 | 65.071 | 17.181 | 146.579 | 35049.668 | 41202.668 | 26.547 | 28.018 | 28.531 | 1.019 |
| 10/9/2017 6:45  | 377100 | 65.065 | 17.182 | 146.566 | 35072.258 | 41228.977 | 26.566 | 28.036 | 28.513 | 1.019 |
| 10/9/2017 7:00  | 378000 | 65.065 | 17.182 | 146.565 | 35044.023 | 41195.719 | 26.542 | 28.013 | 28.536 | 1.019 |
| 10/9/2017 7:15  | 378900 | 65.06  | 17.182 | 146.553 | 35045.938 | 41198.121 | 26.544 | 28.015 | 28.534 | 1.019 |
| 10/9/2017 7:30  | 379800 | 65.063 | 17.182 | 146.561 | 35052.742 | 41206.035 | 26.55  | 28.02  | 28.528 | 1.019 |
| 10/9/2017 7:45  | 380700 | 65.06  | 17.181 | 146.555 | 35033.926 | 41184.414 | 26.534 | 28.005 | 28.544 | 1.019 |
| 10/9/2017 8:00  | 381600 | 65.061 | 17.181 | 146.557 | 35060.543 | 41215.539 | 26.556 | 28.027 | 28.522 | 1.019 |
| 10/9/2017 8:15  | 382500 | 65.058 | 17.181 | 146.55  | 35059.324 | 41214.34  | 26.556 | 28.026 | 28.523 | 1.019 |
| 10/9/2017 8:30  | 383400 | 65.058 | 17.182 | 146.555 | 35051.977 | 41205.066 | 26.549 | 28.019 | 28.529 | 1.019 |
| 10/9/2017 8:45  | 384300 | 65.06  | 17.181 | 146.555 | 35058.09  | 41212.82  | 26.554 | 28.025 | 28.524 | 1.019 |
| 10/9/2017 9:00  | 385200 | 65.059 | 17.181 | 146.553 | 35049.051 | 41201.945 | 26.547 | 28.017 | 28.531 | 1.019 |
| 10/9/2017 9:15  | 386100 | 65.063 | 17.182 | 146.56  | 35032.387 | 41182.105 | 26.533 | 28.004 | 28.545 | 1.019 |
| 10/9/2017 9:30  | 387000 | 65.067 | 17.181 | 146.569 | 35058.125 | 41212.859 | 26.554 | 28.025 | 28.524 | 1.019 |
| 10/9/2017 9:45  | 387900 | 65.065 | 17.181 | 146.564 | 35035.652 | 41186.195 | 26.535 | 28.007 | 28.542 | 1.019 |
| 10/9/2017 10:00 | 388800 | 65.071 | 17.181 | 146.579 | 35058.996 | 41213.637 | 26.555 | 28.025 | 28.523 | 1.019 |
| 10/9/2017 10:15 | 389700 | 65.071 | 17.181 | 146.579 | 35071.285 | 41228.004 | 26.565 | 28.035 | 28.513 | 1.019 |
| 10/9/2017 10:30 | 390600 | 65.078 | 17.181 | 146.593 | 35061.059 | 41216.379 | 26.557 | 28.027 | 28.522 | 1.019 |
| 10/9/2017 10:45 | 391500 | 65.082 | 17.182 | 146.604 | 35059.867 | 41214.41  | 26.556 | 28.026 | 28.523 | 1.019 |
| 10/9/2017 11:00 | 392400 | 65.083 | 17.181 | 146.605 | 35039.051 | 41190.352 | 26.538 | 28.009 | 28.54  | 1.019 |
| 10/9/2017 11:15 | 393300 | 65.088 | 17.181 | 146.617 | 35046.297 | 41198.707 | 26.544 | 28.015 | 28.534 | 1.019 |
| 10/9/2017 11:30 | 394200 | 65.091 | 17.181 | 146.623 | 35069.199 | 41225.879 | 26.564 | 28.034 | 28.515 | 1.019 |
| 10/9/2017 11:45 | 395100 | 65.095 | 17.181 | 146.632 | 35057.387 | 41211.832 | 26.554 | 28.024 | 28.525 | 1.019 |
| 10/9/2017 12:00 | 396000 | 65.1   | 17.181 | 146.643 | 35075.703 | 41233.77  | 26.569 | 28.039 | 28.51  | 1.019 |
| 10/9/2017 12:15 | 396900 | 65.108 | 17.181 | 146.662 | 35039.414 | 41190.617 | 26.539 | 28.01  | 28.539 | 1.019 |
| 10/9/2017 12:30 | 397800 | 65.107 | 17.182 | 146.66  | 35054.129 | 41207.754 | 26.551 | 28.021 | 28.527 | 1.019 |
| 10/9/2017 12:45 | 398700 | 65.114 | 17.181 | 146.675 | 35048.563 | 41201.863 | 26.547 | 28.017 | 28.532 | 1.019 |
| 10/9/2017 13:00 | 399600 | 65.118 | 17.181 | 146.685 | 35056.152 | 41210.539 | 26.553 | 28.023 | 28.526 | 1.019 |
| 10/9/2017 13:15 | 400500 | 65.116 | 17.182 | 146.681 | 35058.457 | 41212.84  | 26.554 | 28.025 | 28.524 | 1.019 |
| 10/9/2017 13:30 | 401400 | 65.12  | 17.181 | 146.689 | 35037.84  | 41189.176 | 26.538 | 28.009 | 28.541 | 1.019 |
| 10/9/2017 13:45 | 402300 | 65.124 | 17.181 | 146.698 | 35051.75  | 41205.277 | 26.549 | 28.02  | 28.529 | 1.019 |
| 10/9/2017 14:00 | 403200 | 65.125 | 17.181 | 146.7   | 35048.043 | 41201.168 | 26.546 | 28.017 | 28.532 | 1.019 |
| 10/9/2017 14:15 | 404100 | 65.127 | 17.181 | 146.705 | 35070.902 | 41227.555 | 26.565 | 28.035 | 28.514 | 1.019 |
| 10/9/2017 14:30 | 405000 | 65.129 | 17.181 | 146.71  | 35055.293 | 41209.445 | 26.552 | 28.022 | 28.526 | 1.019 |
| 10/9/2017 14:45 | 405900 | 65.129 | 17.182 | 146.71  | 35077.031 | 41234.59  | 26.57  | 28.04  | 28.509 | 1.019 |
| 10/9/2017 15:00 | 406800 | 65.128 | 17.182 | 146.708 | 35064.18  | 41219.566 | 26.559 | 28.029 | 28.519 | 1.019 |
| 10/9/2017 15:15 | 407700 | 65.124 | 17.182 | 146.698 | 35067.125 | 41223.031 | 26.562 | 28.032 | 28.517 | 1.019 |
| 10/9/2017 15:30 | 408600 | 65.123 | 17.181 | 146.696 | 35052.359 | 41205.922 | 26.55  | 28.02  | 28.529 | 1.019 |
| 10/9/2017 15:45 | 409500 | 65.12  | 17.181 | 146.689 | 35058.988 | 41213.875 | 26.555 | 28.025 | 28.523 | 1.019 |
| 10/9/2017 16:00 | 410400 | 65.12  | 17.181 | 146.69  | 35065.602 | 41221.402 | 26.561 | 28.031 | 28.518 | 1.019 |
| 10/9/2017 16:15 | 411300 | 65.113 | 17.181 | 146.673 | 35034.719 | 41185.746 | 26.535 | 28.006 | 28.543 | 1.019 |
| 10/9/2017 16:30 | 412200 | 65.108 | 17.181 | 146.663 | 35069.742 | 41226.27  | 26.564 | 28.034 | 28.515 | 1.019 |
| 10/9/2017 16:45 | 413100 | 65.104 | 17.181 | 146.653 | 35046.496 | 41199.188 | 26.545 | 28.015 | 28.534 | 1.019 |
| 10/9/2017 17:00 | 414000 | 65.099 | 17.181 | 146.641 | 35058.98  | 41213.867 | 26.555 | 28.025 | 28.523 | 1.019 |
| 10/9/2017 17:15 | 414900 | 65.095 | 17.181 | 146.633 | 35082.949 | 41241.715 | 26.575 | 28.044 | 28.504 | 1.019 |
| 10/9/2017 17:30 | 415800 | 65.088 | 17.182 | 146.618 | 35062.047 | 41216.902 | 26.557 | 28.027 | 28.521 | 1.019 |
| 10/9/2017 17:45 | 416700 | 65.081 | 17.182 | 146.602 | 35042.988 | 41194.34  | 26.541 | 28.012 | 28.536 | 1.019 |
| 10/9/2017 18:00 | 417600 | 65.077 | 17.181 | 146.591 | 35042.863 | 41194.594 | 26.541 | 28.012 | 28.536 | 1.019 |
| 10/9/2017 18:15 | 418500 | 65.073 | 17.182 | 146.582 | 35054.117 | 41207.172 | 26.55  | 28.021 | 28.527 | 1.019 |
| 10/9/2017 18:30 | 419400 | 65.068 | 17.182 | 146.572 | 35064.301 | 41219.305 | 26.559 | 28.029 | 28.519 | 1.019 |
| 10/9/2017 18:45 | 420300 | 65.065 | 17.181 | 146.564 | 35057.824 | 41212.258 | 26.554 | 28.024 | 28.524 | 1.019 |
| 10/9/2017 19:00 | 421200 | 65.053 | 17.182 | 146.538 | 35047.211 | 41199.621 | 26.545 | 28.016 | 28.533 | 1.019 |
| 10/9/2017 19:15 | 422100 | 65.048 | 17.182 | 146.527 | 35058.18  | 41212.359 | 26.554 | 28.024 | 28.524 | 1.019 |
| 10/9/2017 19:30 | 423000 | 65.049 | 17.182 | 146.529 | 35057.273 | 41211.449 | 26.553 | 28.024 | 28.525 | 1.019 |
| 10/9/2017 19:45 | 423900 | 65.042 | 17.182 | 146.514 | 35075.07  | 41232.121 | 26.568 | 28.038 | 28.51  | 1.019 |
| 10/9/2017 20:00 | 424800 | 65.041 | 17.181 | 146.511 | 35076.375 | 41234.152 | 26.57  | 28.039 | 28.509 | 1.019 |
| 10/9/2017 20:15 | 425700 | 65.036 | 17.181 | 146.499 | 35074.859 | 41232.445 | 26.568 | 28.038 | 28.51  | 1.019 |
| 10/9/2017 20:30 | 426600 | 65.033 | 17.182 | 146.494 | 35071.133 | 41227.742 | 26.565 | 28.035 | 28.513 | 1.019 |
| 10/9/2017 20:45 | 427500 | 65.03  | 17.182 | 146.487 | 35061.254 | 41215.563 | 26.556 | 28.027 | 28.522 | 1.019 |
| 10/9/2017 21:00 | 428400 | 65.026 | 17.182 | 146.478 | 35069.848 | 41225.914 | 26.564 | 28.034 | 28.515 | 1.019 |
| 10/9/2017 21:15 | 429300 | 65.026 | 17.182 | 146.478 | 35071.391 | 41227.477 | 26.565 | 28.035 | 28.513 | 1.019 |
| 10/9/2017 21:30 | 430200 | 65.021 | 17.182 | 146.465 | 35068.629 | 41224.641 | 26.563 | 28.033 | 28.516 | 1.019 |
| 10/9/2017 21:45 | 431100 | 65.021 | 17.182 | 146.466 | 35068.508 | 41224.5   | 26.563 | 28.033 | 28.516 | 1.019 |
| 10/9/2017 22:00 | 432000 | 65.025 | 17.182 | 146.474 | 35065.363 | 41220.871 | 26.56  | 28.03  | 28.518 | 1.019 |
| 10/9/2017 22:15 | 432900 | 65.025 | 17.182 | 146.474 | 35087.191 | 41246.461 | 26.578 | 28.048 | 28.5   | 1.019 |
| 10/9/2017 22:30 | 433800 | 65.027 | 17.182 | 146.479 | 35068.707 | 41224.801 | 26.563 | 28.033 | 28.515 | 1.019 |
| 10/9/2017 22:45 | 434700 | 65.028 | 17.182 | 146.481 | 35077.441 | 41234.668 | 26.57  | 28.04  | 28.508 | 1.019 |
| 10/9/2017 23:00 | 435600 | 65.03  | 17.182 | 146.486 | 35092.414 | 41252.352 | 26.583 | 28.052 | 28.496 | 1.019 |
| 10/9/2017 23:15 | 436500 | 65.029 | 17.182 | 146.483 | 35074.414 | 41231.281 | 26.568 | 28.037 | 28.511 | 1.019 |
| 10/9/2017 23:30 | 437400 | 65.031 | 17.182 | 146.488 | 35051.148 | 41204.25  | 26.548 | 28.019 | 28.53  | 1.019 |
| 10/9/2017 23:45 | 438300 | 65.036 | 17.182 | 146.499 | 35078.938 | 41236.914 | 26.572 | 28.041 | 28.507 | 1.019 |
| 10/10/2017 0:00 | 439200 | 65.037 | 17.182 | 146.503 | 35056.266 | 41210.176 | 26.553 | 28.023 | 28.526 | 1.019 |
| 10/10/2017 0:15 | 440100 | 65.043 | 17.181 | 146.516 | 35067.734 | 41223.906 | 26.562 | 28.032 | 28.516 | 1.019 |
| 10/10/2017 0:30 | 441000 | 65.048 | 17.182 | 146.526 | 35066.711 | 41222.457 | 26.561 | 28.031 | 28.517 | 1.019 |
| 10/10/2017 0:45 | 441900 | 65.053 | 17.182 | 146.538 | 35061.211 | 41215.828 | 26.557 | 28.027 | 28.522 | 1.019 |
| 10/10/2017 1:00 | 442800 | 65.053 | 17.182 | 146.539 | 35061.043 | 41215.793 | 26.557 | 28.027 | 28.522 | 1.019 |
| 10/10/2017 1:15 | 443700 | 65.06  | 17.182 | 146.555 | 35062.738 | 41217.555 | 26.558 | 28.028 | 28.52  | 1.019 |
| 10/10/2017 1:30 | 444600 | 65.063 | 17.182 | 146.561 | 35057.457 | 41211.262 | 26.553 | 28.024 | 28.525 | 1.019 |
| 10/10/2017 1:45 | 445500 | 65.068 | 17.182 | 146.571 | 35046.328 | 41198.016 | 26.544 | 28.015 | 28.534 | 1.01  |

|                  |        |        |        |         |           |           |        |        |        |       |
|------------------|--------|--------|--------|---------|-----------|-----------|--------|--------|--------|-------|
| 10/11/2017 0:15  | 526500 | 65.051 | 17.182 | 146.534 | 35052.398 | 41204.906 | 26.549 | 28.019 | 28.529 | 1.019 |
| 10/11/2017 0:30  | 527400 | 65.05  | 17.182 | 146.532 | 35049.125 | 41201.383 | 26.546 | 28.017 | 28.531 | 1.019 |
| 10/11/2017 0:45  | 528300 | 65.053 | 17.183 | 146.538 | 35056.121 | 41209.211 | 26.552 | 28.022 | 28.526 | 1.019 |
| 10/11/2017 1:00  | 529200 | 65.056 | 17.183 | 146.546 | 35072.336 | 41228.27  | 26.566 | 28.035 | 28.513 | 1.019 |
| 10/11/2017 1:15  | 530100 | 65.059 | 17.182 | 146.553 | 35057.563 | 41211.223 | 26.553 | 28.024 | 28.525 | 1.019 |
| 10/11/2017 1:30  | 531000 | 65.067 | 17.182 | 146.569 | 35071.891 | 41228.066 | 26.565 | 28.035 | 28.513 | 1.019 |
| 10/11/2017 1:45  | 531900 | 65.069 | 17.183 | 146.574 | 35075.855 | 41232.078 | 26.568 | 28.038 | 28.51  | 1.019 |
| 10/11/2017 2:00  | 532800 | 65.069 | 17.182 | 146.575 | 35094.512 | 41254.5   | 26.584 | 28.053 | 28.494 | 1.019 |
| 10/11/2017 2:15  | 533700 | 65.077 | 17.182 | 146.591 | 35062.824 | 41217.25  | 26.558 | 28.028 | 28.52  | 1.019 |
| 10/11/2017 2:30  | 534600 | 65.082 | 17.182 | 146.604 | 35048     | 41199.98  | 26.545 | 28.016 | 28.532 | 1.019 |
| 10/11/2017 2:45  | 535500 | 65.082 | 17.182 | 146.603 | 35045.664 | 41196.988 | 26.543 | 28.014 | 28.534 | 1.019 |
| 10/11/2017 3:00  | 536400 | 65.09  | 17.183 | 146.621 | 35078.781 | 41235.848 | 26.571 | 28.04  | 28.507 | 1.019 |
| 10/11/2017 3:15  | 537300 | 65.09  | 17.182 | 146.622 | 35075.398 | 41232.438 | 26.568 | 28.038 | 28.51  | 1.019 |
| 10/11/2017 3:30  | 538200 | 65.094 | 17.183 | 146.631 | 35080.449 | 41237.715 | 26.572 | 28.042 | 28.506 | 1.019 |
| 10/11/2017 3:45  | 539100 | 65.093 | 17.182 | 146.629 | 35043.563 | 41194.926 | 26.542 | 28.013 | 28.536 | 1.019 |
| 10/11/2017 4:00  | 540000 | 65.1   | 17.183 | 146.643 | 35062.715 | 41216.961 | 26.557 | 28.028 | 28.52  | 1.019 |
| 10/11/2017 4:15  | 540900 | 65.102 | 17.183 | 146.649 | 35070.793 | 41226.289 | 26.564 | 28.034 | 28.514 | 1.019 |
| 10/11/2017 4:30  | 541800 | 65.104 | 17.182 | 146.653 | 35083.586 | 41241.977 | 26.575 | 28.045 | 28.503 | 1.019 |
| 10/11/2017 4:45  | 542700 | 65.104 | 17.182 | 146.652 | 35053.461 | 41206.402 | 26.55  | 28.02  | 28.528 | 1.019 |
| 10/11/2017 5:00  | 543600 | 65.108 | 17.182 | 146.661 | 35061.363 | 41215.535 | 26.556 | 28.027 | 28.521 | 1.019 |
| 10/11/2017 5:15  | 544500 | 65.11  | 17.182 | 146.667 | 35059.582 | 41213.758 | 26.555 | 28.025 | 28.523 | 1.019 |
| 10/11/2017 5:30  | 545400 | 65.112 | 17.182 | 146.671 | 35064.391 | 41219.094 | 26.559 | 28.029 | 28.519 | 1.019 |
| 10/11/2017 5:45  | 546300 | 65.109 | 17.183 | 146.665 | 35046.043 | 41197.27  | 26.543 | 28.014 | 28.534 | 1.019 |
| 10/11/2017 6:00  | 547200 | 65.109 | 17.182 | 146.664 | 35062.992 | 41217.359 | 26.558 | 28.028 | 28.52  | 1.019 |
| 10/11/2017 6:15  | 548100 | 65.111 | 17.182 | 146.669 | 35055.801 | 41208.996 | 26.552 | 28.022 | 28.526 | 1.019 |
| 10/11/2017 6:30  | 549000 | 65.105 | 17.182 | 146.655 | 35052.32  | 41205.137 | 26.549 | 28.019 | 28.529 | 1.019 |
| 10/11/2017 6:45  | 549900 | 65.111 | 17.183 | 146.67  | 35066.094 | 41220.766 | 26.56  | 28.03  | 28.518 | 1.019 |
| 10/11/2017 7:00  | 550800 | 65.103 | 17.182 | 146.665 | 35050.434 | 41203.004 | 26.547 | 28.018 | 28.53  | 1.019 |
| 10/11/2017 7:15  | 551700 | 65.106 | 17.182 | 146.657 | 35062.418 | 41216.684 | 26.557 | 28.027 | 28.521 | 1.019 |
| 10/11/2017 7:30  | 552600 | 65.108 | 17.182 | 146.663 | 35053.746 | 41206.652 | 26.55  | 28.021 | 28.528 | 1.019 |
| 10/11/2017 7:45  | 553500 | 65.104 | 17.182 | 146.652 | 35073.492 | 41229.793 | 26.567 | 28.036 | 28.512 | 1.019 |
| 10/11/2017 8:00  | 554400 | 65.1   | 17.182 | 146.645 | 35076.82  | 41234.18  | 26.57  | 28.039 | 28.509 | 1.019 |
| 10/11/2017 8:15  | 555300 | 65.1   | 17.182 | 146.645 | 35072.906 | 41229.016 | 26.566 | 28.036 | 28.512 | 1.019 |
| 10/11/2017 8:30  | 556200 | 65.1   | 17.182 | 146.645 | 35049.746 | 41202.281 | 26.547 | 28.018 | 28.531 | 1.019 |
| 10/11/2017 8:45  | 557100 | 65.097 | 17.183 | 146.637 | 35036.66  | 41186.168 | 26.535 | 28.007 | 28.542 | 1.019 |
| 10/11/2017 9:00  | 558000 | 65.108 | 17.183 | 146.663 | 35069.242 | 41224.633 | 26.563 | 28.033 | 28.515 | 1.019 |
| 10/11/2017 9:15  | 558900 | 65.097 | 17.182 | 146.638 | 35063.16  | 41217.801 | 26.558 | 28.028 | 28.52  | 1.019 |
| 10/11/2017 9:30  | 559800 | 65.093 | 17.182 | 146.629 | 35083.813 | 41242.082 | 26.575 | 28.045 | 28.503 | 1.019 |
| 10/11/2017 9:45  | 560700 | 65.095 | 17.182 | 146.633 | 35063.996 | 41218.703 | 26.559 | 28.029 | 28.519 | 1.019 |
| 10/11/2017 10:00 | 561600 | 65.095 | 17.183 | 146.632 | 35059.836 | 41213.246 | 26.555 | 28.025 | 28.523 | 1.019 |
| 10/11/2017 10:15 | 562500 | 65.097 | 17.182 | 146.637 | 35068.551 | 41223.895 | 26.562 | 28.032 | 28.516 | 1.019 |
| 10/11/2017 10:30 | 563400 | 65.096 | 17.183 | 146.635 | 35059.332 | 41212.895 | 26.555 | 28.025 | 28.523 | 1.019 |
| 10/11/2017 10:45 | 564300 | 65.097 | 17.182 | 146.637 | 35067.875 | 41223.508 | 26.562 | 28.032 | 28.516 | 1.019 |
| 10/11/2017 11:00 | 565200 | 65.097 | 17.182 | 146.638 | 35065.629 | 41220.703 | 26.56  | 28.03  | 28.518 | 1.019 |
| 10/11/2017 11:15 | 566100 | 65.097 | 17.183 | 146.636 | 35070.652 | 41226.047 | 26.564 | 28.034 | 28.514 | 1.019 |
| 10/11/2017 11:30 | 567000 | 65.099 | 17.182 | 146.641 | 35078.977 | 41236.313 | 26.571 | 28.041 | 28.507 | 1.019 |
| 10/11/2017 11:45 | 567900 | 65.1   | 17.183 | 146.644 | 35046.469 | 41197.863 | 26.544 | 28.015 | 28.534 | 1.019 |
| 10/11/2017 12:00 | 568800 | 65.104 | 17.183 | 146.654 | 35063.742 | 41218.078 | 26.558 | 28.028 | 28.519 | 1.019 |
| 10/11/2017 12:15 | 569700 | 65.111 | 17.182 | 146.669 | 35057.207 | 41210.723 | 26.553 | 28.023 | 28.525 | 1.019 |
| 10/11/2017 12:30 | 570600 | 65.112 | 17.182 | 146.671 | 35049.285 | 41201.246 | 26.546 | 28.017 | 28.531 | 1.019 |
| 10/11/2017 12:45 | 571500 | 65.117 | 17.183 | 146.682 | 35060.461 | 41214.066 | 26.555 | 28.026 | 28.522 | 1.019 |
| 10/11/2017 13:00 | 572400 | 65.115 | 17.183 | 146.677 | 35078.688 | 41235.645 | 26.571 | 28.04  | 28.507 | 1.019 |
| 10/11/2017 13:15 | 573300 | 65.133 | 17.183 | 146.719 | 35062.754 | 41216.512 | 26.557 | 28.027 | 28.52  | 1.019 |
| 10/11/2017 13:30 | 574200 | 65.122 | 17.183 | 146.694 | 35066.953 | 41221.852 | 26.561 | 28.031 | 28.517 | 1.019 |
| 10/11/2017 13:45 | 575100 | 65.122 | 17.183 | 146.694 | 35077.84  | 41234.648 | 26.57  | 28.04  | 28.508 | 1.019 |
| 10/11/2017 14:00 | 576000 | 65.128 | 17.182 | 146.708 | 35070.523 | 41226.215 | 26.564 | 28.034 | 28.514 | 1.019 |
| 10/11/2017 14:15 | 576900 | 65.132 | 17.182 | 146.716 | 35066.094 | 41221.004 | 26.56  | 28.03  | 28.518 | 1.019 |
| 10/11/2017 14:30 | 577800 | 65.133 | 17.182 | 146.719 | 35066.184 | 41221.113 | 26.56  | 28.03  | 28.518 | 1.019 |
| 10/11/2017 14:45 | 578700 | 65.136 | 17.182 | 146.725 | 35076.184 | 41232.867 | 26.569 | 28.038 | 28.509 | 1.019 |
| 10/11/2017 15:00 | 579600 | 65.14  | 17.183 | 146.735 | 35048.129 | 41199.484 | 26.545 | 28.016 | 28.532 | 1.019 |
| 10/11/2017 15:15 | 580500 | 65.142 | 17.183 | 146.738 | 35066.094 | 41220.523 | 26.56  | 28.03  | 28.518 | 1.019 |
| 10/11/2017 15:30 | 581400 | 65.139 | 17.183 | 146.732 | 35073.219 | 41229.063 | 26.566 | 28.036 | 28.512 | 1.019 |
| 10/11/2017 15:45 | 582300 | 65.143 | 17.183 | 146.74  | 35101.766 | 41262.773 | 26.59  | 28.059 | 28.489 | 1.019 |
| 10/11/2017 16:00 | 583200 | 65.145 | 17.183 | 146.745 | 35066.387 | 41221.109 | 26.56  | 28.03  | 28.517 | 1.019 |
| 10/11/2017 16:15 | 584100 | 65.146 | 17.183 | 146.748 | 35081.25  | 41238.582 | 26.573 | 28.042 | 28.505 | 1.019 |
| 10/11/2017 16:30 | 585000 | 65.148 | 17.183 | 146.752 | 35072.27  | 41228.102 | 26.565 | 28.035 | 28.513 | 1.019 |
| 10/11/2017 16:45 | 585900 | 65.148 | 17.183 | 146.753 | 35064.898 | 41219.281 | 26.559 | 28.029 | 28.519 | 1.019 |
| 10/11/2017 17:00 | 586800 | 65.143 | 17.182 | 146.742 | 35079.402 | 41236.648 | 26.572 | 28.041 | 28.507 | 1.019 |
| 10/11/2017 17:15 | 587700 | 65.147 | 17.183 | 146.749 | 35074.281 | 41230.391 | 26.567 | 28.037 | 28.511 | 1.019 |
| 10/11/2017 17:30 | 588600 | 65.142 | 17.182 | 146.739 | 35081.273 | 41239.094 | 26.573 | 28.043 | 28.505 | 1.019 |
| 10/11/2017 17:45 | 589500 | 65.143 | 17.183 | 146.741 | 35059.242 | 41212.785 | 26.554 | 28.025 | 28.523 | 1.019 |
| 10/11/2017 18:00 | 590400 | 65.138 | 17.183 | 146.73  | 35058.641 | 41211.926 | 26.554 | 28.024 | 28.524 | 1.019 |
| 10/11/2017 18:15 | 591300 | 65.135 | 17.182 | 146.723 | 35088.113 | 41246.891 | 26.579 | 28.048 | 28.5   | 1.019 |
| 10/11/2017 18:30 | 592200 | 65.142 | 17.183 | 146.739 | 35053.449 | 41205.902 | 26.55  | 28.02  | 28.528 | 1.019 |
| 10/11/2017 18:45 | 593100 | 65.168 | 17.183 | 146.797 | 35063.375 | 41217.492 | 26.558 | 28.028 | 28.52  | 1.019 |
| 10/11/2017 19:00 | 594000 | 65.187 | 17.183 | 146.84  | 35082.262 | 41239.938 | 26.574 | 28.043 | 28.504 | 1.019 |
| 10/11/2017 19:15 | 594900 | 65.207 | 17.182 | 146.885 | 35065.164 | 41220.074 | 26.56  | 28.03  | 28.518 | 1.019 |
| 10/11/2017 19:30 | 595800 | 65.214 | 17.183 | 146.901 | 35031.867 | 41180.699 | 26.532 | 28.003 | 28.545 | 1.019 |
| 10/11/2017 19:45 | 596700 | 65.225 | 17.182 | 146.925 | 35034.57  | 41183.949 | 26.534 | 28.005 | 28.543 | 1.019 |
| 10/11/2017 20:00 | 597600 | 65.228 | 17.182 | 146.933 | 35030.691 | 41179.391 | 26.531 | 28.002 | 28.546 | 1.019 |
| 10/11/2017 20:15 | 598500 | 65.229 | 17.182 | 146.935 | 35022.508 | 41169.77  | 26.524 | 27.995 | 28.553 | 1.019 |
| 10/11/2017 20:30 | 599400 | 65.234 | 17.182 | 146.945 | 35030.184 | 41178.883 | 26.53  | 28.002 | 28.547 | 1.019 |
| 10/11/2017 20:45 | 600300 | 65.237 | 17.182 | 146.953 | 35023.754 | 41171.641 | 26.525 | 27.997 | 28.552 | 1.019 |
| 10/11/2017 21:00 | 601200 | 65.24  | 17.182 | 146.959 | 35001.707 | 41145.813 | 26.507 | 27.979 | 28.57  | 1.019 |
| 10/11/2017 21:15 | 602100 | 65.239 | 17.182 | 146.957 | 35019.277 | 41165.973 | 26.521 | 27.993 | 28.556 | 1.019 |
| 10/11/2017 21:30 | 603000 | 65.235 | 17.182 | 146.949 | 35006.293 | 41151.27  | 26.511 | 27.983 | 28.566 | 1.019 |
| 10/11/2017 21:45 | 603900 | 65.238 | 17.182 | 146.954 | 35025.328 | 41173.246 | 26.526 | 27.998 | 28.551 | 1.019 |
| 10/11/2017 22:00 | 604800 | 65.238 | 17.182 | 146.954 | 34992.535 | 41134.535 | 26.499 | 27.971 | 28.578 | 1.019 |
| 10/11/2017 22:15 | 605700 | 65.236 | 17.182 | 146.95  |           |           |        |        |        |       |

Report Date: 10/13/2017 8:35  
Report User Name: WMassoll  
Report Computer Name: WKST52  
Application: WinSitu.exe  
Application Version: 5.6.27.1

Log File Properties

|             |                                                  |
|-------------|--------------------------------------------------|
| File Name   | MPWSP MW-3S Pre Test_2017-10-12_09-32-52-544.wsl |
| Create Date | 10/12/2017 9:32                                  |

|                   |                |        |                |
|-------------------|----------------|--------|----------------|
| Device Properties |                |        |                |
| Device            | Aqua TROLL 200 |        |                |
| Site              | MPWSP MW-3S    |        |                |
| Device Name       |                |        |                |
| Serial Number     | 396211         |        |                |
| Firmware Version  | 2              |        |                |
| Hardware Version  | 3              |        |                |
| Device Address    | 1              |        |                |
| Device Comm Cfg   | 19200          | 8 Even | 1 (Modbus-RTU) |
| Used Memory       | 3              |        |                |
| Used Battery      | 2              |        |                |

|                   |                      |                                            |
|-------------------|----------------------|--------------------------------------------|
| Log Configuration | Log Name             | MPWSP MW-3S Pre Test                       |
|                   | Created By           | nreynolds                                  |
|                   | Computer Name        | PROBOOK1                                   |
|                   | Application          | WinSitu.exe                                |
|                   | Application Version  | 5.6.25.0                                   |
|                   | Create Date          | 3/13/2015 6:58:13 PM Pacific Daylight Time |
|                   | Log Setup Time Zone  | Pacific Daylight Time                      |
|                   | Notes Size(bytes)    | 4096                                       |
|                   | Overwrite when full  | Enabled                                    |
|                   | Scheduled Start Time | 3/13/2015 7:00:00 PM Pacific Daylight Time |
|                   | Scheduled Stop Time  | No Stop Time                               |
|                   | Type                 | Linear                                     |
|                   | Interval             | Days: 0 hrs: 00 mins: 15 secs: 00          |

|                                          |                        |       |
|------------------------------------------|------------------------|-------|
| Level Reference Settings At Log Creation | Level Measurement Mode | Depth |
|                                          | Specific Gravity       | 1.024 |

|                              |                          |        |
|------------------------------|--------------------------|--------|
| Other Log Settings           |                          |        |
| Depth of Probe:              | 44.5023 (ft)             |        |
| Head Pressure:               | 19.756 (PSI)             |        |
| Temperature:                 | 17.1158 (C)              |        |
| Specific Conductivity Model: | Standard Methods         |        |
|                              | Reference Temperature:   | 25     |
|                              | Temperature Coefficient: | 0.0191 |
| TDS Factor:                  | 0.68                     |        |

| Date and Time    | Note                                                                                                                                               |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 3/13/2015 18:58  | Used Battery: 2% Used Memory: 6% User Name: nreynolds                                                                                              |
| 3/20/2015 16:02  | Log Download - Used Battery: 2% Used Memory: 6% User Name: GSSI                                                                                    |
| 3/27/2015 10:43  | Log Download - Used Battery: 2% Used Memory: 7% User Name: GSSI                                                                                    |
| 4/3/2015 13:47   | Log Download - Used Battery: 3% Used Memory: 7% User Name: ECrowWillard                                                                            |
| 4/10/2015 8:44   | Log Download - Used Battery: 3% Used Memory: 9% User Name: ECrowWillard                                                                            |
| 4/17/2015 12:18  | Log Download - Used Battery: 4% Used Memory: 9% User Name: AKieta                                                                                  |
| 4/21/2015 14:05  | Log Download - Used Battery: 4% Used Memory: 9% User Name: ECrowWillard                                                                            |
| 4/24/2015 11:08  | Log Download - Used Battery: 4% Used Memory: 10% User Name: ECrowWillard                                                                           |
| 4/24/2015 11:12  | Log Download - Used Battery: 4% Used Memory: 10% User Name: ECrowWillard                                                                           |
| 4/30/2015 14:05  | Log Download - Used Battery: 4% Used Memory: 10% User Name: GSSI                                                                                   |
| 5/7/2015 12:30   | Log Download - Used Battery: 5% Used Memory: 12% User Name: ECrowWillard Interval - Start Time: 4/30/2015 2:00:00 PM                               |
| 5/14/2015 16:06  | Log Download - Used Battery: 5% Used Memory: 12% User Name: BQuarte                                                                                |
| 5/21/2015 11:34  | Log Download - Used Battery: 5% Used Memory: 14% User Name: CShaw                                                                                  |
| 5/28/2015 9:06   | Log Download - Used Battery: 6% Used Memory: 14% User Name: ECrowWillard Interval - Start Time: 5/7/2015 12:30:00 PM                               |
| 6/4/2015 12:21   | Log Download - Used Battery: 6% Used Memory: 15% User Name: BQuarte                                                                                |
| 6/11/2015 11:48  | Log Download - Used Battery: 6% Used Memory: 15% User Name: BQuarte Interval - Start Time: 6/4/2015 12:15:00 PM                                    |
| 6/17/2015 8:00   | Log Download - Used Battery: 7% Used Memory: 17% User Name: CShaw Interval - Start Time: 5/21/2015 11:30:00 AM                                     |
| 6/18/2015 8:47   | Log Download - Used Battery: 7% Used Memory: 17% User Name: CShaw                                                                                  |
| 6/25/2015 8:49   | Log Download - Used Battery: 7% Used Memory: 17% User Name: BQuarte Interval - Start Time: 6/11/2015 11:45:00 AM                                   |
| 6/30/2015 11:08  | Log Download - Used Battery: 7% Used Memory: 18% User Name: BQuarte                                                                                |
| 7/2/2015 9:20    | Log Download - Used Battery: 8% Used Memory: 18% User Name: CShaw                                                                                  |
| 7/7/2015 11:29   | Log Download - Used Battery: 8% Used Memory: 18% User Name: CShaw                                                                                  |
| 7/7/2015 11:41   | Log Download - Used Battery: 8% Used Memory: 18% User Name: CShaw                                                                                  |
| 7/9/2015 9:14    | Log Download - Used Battery: 8% Used Memory: 18% User Name: BQuarte Interval - Start Time: 6/30/2015 11:00:00 AM                                   |
| 7/13/2015 12:23  | Log Download - Used Battery: 8% Used Memory: 20% User Name: BQuarte Interval - Start Time: 7/9/2015 9:00:00 AM                                     |
| 7/16/2015 9:03   | Log Download - Used Battery: 8% Used Memory: 20% User Name: CShaw Interval - Start Time: 7/7/2015 11:30:00 AM                                      |
| 7/23/2015 16:42  | Log Download - Used Battery: 9% Used Memory: 20% User Name: KMakar                                                                                 |
| 7/30/2015 10:25  | Log Download - Used Battery: 9% Used Memory: 21% User Name: BQuarte Interval - Start Time: 7/13/2015 12:15:00 PM                                   |
| 8/6/2015 15:00   | Log Download - Used Battery: 10% Used Memory: 21% User Name: CShaw Interval - Start Time: 7/14/2015 2:15:00 PM Stop Time: 8/6/2015 1:30:00 PM      |
| 8/13/2015 13:34  | Log Download - Used Battery: 10% Used Memory: 23% User Name: KMakar Interval - Start Time: 7/23/2015 4:30:00 PM                                    |
| 8/20/2015 11:01  | Log Download - Used Battery: 10% Used Memory: 23% User Name: BQuarte Interval - Start Time: 7/30/2015 10:15:00 AM                                  |
| 8/27/2015 10:58  | Log Download - Used Battery: 11% Used Memory: 25% User Name: KMakar Interval - Start Time: 8/13/2015 5:15:00 PM Stop Time: 8/27/2015 10:55:00 AM   |
| 9/5/2015 9:39    | Log Download - Used Battery: 11% Used Memory: 25% User Name: CShaw Interval - Start Time: 8/14/2015 6:10:00 PM Stop Time: 9/3/2015 9:30:00 AM      |
| 9/10/2015 11:32  | Log Download - Used Battery: 11% Used Memory: 26% User Name: KMakar Interval - Start Time: 8/10/2015 5:30:00 AM Stop Time: 9/10/2015 11:30:00 AM   |
| 9/17/2015 10:53  | Log Download - Used Battery: 12% Used Memory: 28% User Name: KMakar Interval - Start Time: 9/1/2015 8:30:00 AM Stop Time: 9/17/2015 10:55:00 AM    |
| 9/24/2015 9:32   | Log Download - Used Battery: 12% Used Memory: 28% User Name: CShaw Interval - Start Time: 9/14/2015 5:30:00 PM Stop Time: 9/24/2015 9:00:00 AM     |
| 10/1/2015 14:15  | Log Download - Used Battery: 12% Used Memory: 29% User Name: KMakar Interval - Start Time: 9/15/2015 7:30:00 AM Stop Time: 10/1/2015 2:15:00 PM    |
| 10/8/2015 10:29  | Log Download - Used Battery: 13% Used Memory: 29% User Name: CShaw Interval - Start Time: 9/14/2015 5:30:00 PM Stop Time: 10/8/2015 10:30:00 PM    |
| 10/15/2015 13:16 | Log Download - Used Battery: 13% Used Memory: 31% User Name: KMakar Interval - Start Time: 9/30/2015 7:30:00 AM Stop Time: 10/15/2015 11:15:00 PM  |
| 10/22/2015 11:17 | Log Download - Used Battery: 13% Used Memory: 31% User Name: CShaw Interval - Start Time: 10/1/2015 3:05:00 AM Stop Time: 10/22/2015 12:15:00 PM   |
| 10/29/2015 15:30 | Log Download - Used Battery: 14% Used Memory: 32% User Name: KMakar Interval - Start Time: 10/13/2015 6:15:00 AM Stop Time: 10/29/2015 13:30:00 PM |
| 11/5/2015 14:29  | Log Download - Used Battery: 14% Used Memory: 32% User Name: KMakar Interval - Start Time: 10/20/2015 7:45:00 AM Stop Time: 11/5/2015 2:30:00 PM   |
| 11/12/2015 10:01 | Log Download - Used Battery: 15% Used Memory: 34% User Name: CShaw Interval - Start Time: 10/26/2015 1:00:00 PM Stop Time: 11/12/2015 10:00:00 AM  |
| 11/12/2015 10:03 | Log Download - Used Battery: 15% Used Memory: 34% User Name: CShaw Interval - Start Time: 10/26/2015 1:00:00 PM Stop Time: 11/12/2015 10:00:00 AM  |
| 11/12/2015 10:11 | Log Download - Used Battery: 15% Used Memory: 34% User Name: CShaw Interval - Start Time: 10/26/2015 1:00:00 PM Stop Time: 11/12/2015 10:00:00 AM  |
| 11/19/2015 15:27 | Log Download - Used Battery: 15% Used Memory: 34% User Name: KMakar Interval - Start Time: 11/1/2015 7:00:00 AM Stop Time: 11/19/2015 3:30:00 PM   |
| 11/29/2015 9:54  | Log Download - Used Battery: 15% Used Memory: 35% User Name: CShaw Interval - Start Time: 11/13/2015 1:00:00 AM Stop Time: 11/29/2015 10:45:00 AM  |
| 12/3/2015 11:09  | Log Download - Used Battery: 16% Used Memory: 35% User Name: KMakar Interval - Start Time: 11/18/2015 7:00:00 AM Stop Time: 12/3/2015 11:08:00 AM  |
| 12/10/2015 9:22  | Log Download - Used Battery: 16% Used Memory: 37% User Name: CShaw Interval - Start Time: 10/13/2015 1:45:00 AM Stop Time: 12/10/2015 10:15:00 AM  |
| 12/17/2015 10:49 | Log Download - Used Battery: 16% Used Memory: 37% User Name: KMakar Interval - Start Time: 12/1/2015 12:00:00 PM Stop Time: 12/17/2015 10:45:00 AM |
| 1/3/2016 10:43   | Log Download - Used Battery: 17% Used Memory: 40% User Name: CShaw Interval - Start Time: 11/30/2015 1:00:00 AM Stop Time: 1/3/2016 11:30:00 AM    |
| 1/7/2016 10:40   | Log Download - Used Battery: 17% Used Memory: 40% User Name: KMakar Interval - Start Time: 12/31/2015 10:00:00 AM Stop Time: 1/7/2016 10:45:00 AM  |
| 1/14/2016 8:38   | Log Download - Used Battery: 18% Used Memory: 40                                                                                                   |

|              |                                    |
|--------------|------------------------------------|
| Log Data:    |                                    |
| Record Count | 719                                |
| Sensors      | 1                                  |
|              | 1 396211 PCTD 100 PSIG (70m/231ft) |

Time Zone: Pacific Daylight Time

|                |              | Sensor: PCTD(G) 231ft |                 | Sensor: PCTD(G) 231ft |                             | Sensor: PCTD(G) 231ft         |                | Sensor: PCTD(G) 231ft        |                      | Sensor: PCTD(G) 231ft |  | Sensor: PCTD(G) 231ft |  | Sensor: PCTD(G) 231ft |       |
|----------------|--------------|-----------------------|-----------------|-----------------------|-----------------------------|-------------------------------|----------------|------------------------------|----------------------|-----------------------|--|-----------------------|--|-----------------------|-------|
|                |              | SN#: 396211           |                 | SN#: 396211           |                             | SN#: 396211                   |                | SN#: 396211                  |                      | SN#: 396211           |  | SN#: 396211           |  | SN#: 396211           |       |
| Date and Time  | Elapsed Time | Pressure (PSI)        | Temperature (C) | Depth (ft)            | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm) | Salinity (PSU) | Total Dissolved Solids (ppt) | Resistivity (ohm-cm) | Water Density (g/cm3) |  |                       |  |                       |       |
|                | Seconds      |                       |                 |                       |                             |                               |                |                              |                      |                       |  |                       |  |                       |       |
| 10/5/2017 0:00 |              | 7200                  | 18.891          | 17.314                | 42.555                      | 35806.098                     | 41966.793      | 27.1                         | 28.537               | 27.928                |  |                       |  |                       | 1.019 |
| 10/5/2017 0:15 |              | 8100                  | 18.903          | 17.315                | 42.58                       | 35809.984                     | 41971.023      | 27.103                       | 28.54                | 27.925                |  |                       |  |                       | 1.019 |
| 10/5/2017 0:30 |              | 9000                  | 18.9            | 17.314                | 42.574                      | 35794.012                     | 41952.629      | 27.09                        | 28.528               | 27.938                |  |                       |  |                       | 1.019 |
| 10/5/2017 0:45 |              | 9900                  | 18.902          | 17.314                | 42.578                      | 35828.469                     | 41993.512      | 27.119                       | 28.556               | 27.911                |  |                       |  |                       | 1.019 |
| 10/5/2017 1:00 |              | 10800                 | 18.904          | 17.314                | 42.582                      | 35823.051                     | 41986.828      | 27.114                       | 28.551               | 27.915                |  |                       |  |                       | 1.019 |
| 10/5/2017 1:15 |              | 11700                 | 18.908          | 17.314                | 42.592                      | 35836.211                     | 42001.848      | 27.125                       | 28.561               | 27.905                |  |                       |  |                       | 1.019 |
| 10/5/2017 1:30 |              | 12600                 | 18.902          | 17.314                | 42.579                      | 35810.824                     | 41972.254      | 27.104                       | 28.541               | 27.925                |  |                       |  |                       | 1.019 |
| 10/5/2017 1:45 |              | 13500                 | 18.905          | 17.315                | 42.586                      | 35823.379                     | 41986.641      | 27.114                       | 28.551               | 27.915                |  |                       |  |                       | 1.019 |
| 10/5/2017 2:00 |              | 14400                 | 18.906          | 17.314                | 42.587                      | 35826.992                     | 41991.121      | 27.117                       | 28.554               | 27.912                |  |                       |  |                       | 1.019 |
| 10/5/2017 2:15 |              | 15300                 | 18.907          | 17.314                | 42.59                       | 35856.004                     | 42025.289      | 27.142                       | 28.577               | 27.889                |  |                       |  |                       | 1.019 |
| 10/5/2017 2:30 |              | 16200                 | 18.911          | 17.314                | 42.599                      | 35839.797                     | 42006.707      | 27.128                       | 28.565               | 27.902                |  |                       |  |                       | 1.019 |
| 10/5/2017 2:45 |              | 17100                 | 18.91           | 17.314                | 42.596                      | 35853.082                     | 42021.941      | 27.139                       | 28.575               | 27.892                |  |                       |  |                       | 1.019 |
| 10/5/2017 3:00 |              | 18000                 | 18.915          | 17.314                | 42.608                      | 35866.676                     | 42037.715      | 27.151                       | 28.586               | 27.881                |  |                       |  |                       | 1.019 |
| 10/5/2017 3:15 |              | 18900                 | 18.913          | 17.314                | 42.603                      | 35862.645                     | 42032.906      | 27.147                       | 28.582               | 27.884                |  |                       |  |                       | 1.019 |
| 10/5/2017 3:30 |              | 19800                 | 18.919          | 17.314                | 42.617                      | 35836.199                     | 42001.832      | 27.125                       | 28.561               | 27.905                |  |                       |  |                       | 1.019 |
| 10/5/2017 3:45 |              | 20700                 | 18.918          | 17.314                | 42.614                      | 35845.703                     | 42013.293      | 27.133                       | 28.569               | 27.897                |  |                       |  |                       | 1.019 |
| 10/5/2017 4:00 |              | 21600                 | 18.919          | 17.314                | 42.618                      | 35861.043                     | 42031.273      | 27.146                       | 28.581               | 27.885                |  |                       |  |                       | 1.019 |
| 10/5/2017 4:15 |              | 22500                 | 18.921          | 17.314                | 42.621                      | 35873.844                     | 42046.449      | 27.157                       | 28.592               | 27.875                |  |                       |  |                       | 1.019 |
| 10/5/2017 4:30 |              | 23400                 | 18.922          | 17.315                | 42.624                      | 35869.289                     | 42040.293      | 27.153                       | 28.579               | 27.879                |  |                       |  |                       | 1.019 |
| 10/5/2017 4:45 |              | 24300                 | 18.922          | 17.314                | 42.623                      | 35856.105                     | 42025.484      | 27.142                       | 28.577               | 27.889                |  |                       |  |                       | 1.019 |
| 10/5/2017 5:00 |              | 25200                 | 18.928          | 17.315                | 42.636                      | 35882.883                     | 42056.461      | 27.164                       | 28.598               | 27.868                |  |                       |  |                       | 1.019 |
| 10/5/2017 5:15 |              | 26100                 | 18.926          | 17.314                | 42.632                      | 35872.77                      | 42045.016      | 27.156                       | 28.591               | 27.876                |  |                       |  |                       | 1.019 |
| 10/5/2017 5:30 |              | 27000                 | 18.934          | 17.315                | 42.651                      | 35841.305                     | 42007.652      | 27.129                       | 28.565               | 27.901                |  |                       |  |                       | 1.019 |
| 10/5/2017      |              |                       |                 |                       |                             |                               |                |                              |                      |                       |  |                       |  |                       |       |

|                 |        |        |          |        |           |           |        |        |        |       |
|-----------------|--------|--------|----------|--------|-----------|-----------|--------|--------|--------|-------|
| 10/5/2017 10:00 | 43200  | 18.957 | 17.313   | 42.702 | 35917.871 | 42098.469 | 27.194 | 28.627 | 27.841 | 1.019 |
| 10/5/2017 10:15 | 44100  | 18.956 | 17.313   | 42.701 | 35886.984 | 42062.426 | 27.168 | 28.602 | 27.865 | 1.019 |
| 10/5/2017 10:30 | 45000  | 18.957 | 17.314   | 42.702 | 35946.246 | 42131.477 | 27.218 | 28.649 | 27.819 | 1.019 |
| 10/5/2017 10:45 | 45900  | 18.956 | 17.314   | 42.7   | 35923.797 | 42105.242 | 27.199 | 28.632 | 27.837 | 1.019 |
| 10/5/2017 11:00 | 46800  | 18.962 | 17.313   | 42.713 | 35924.438 | 42106.813 | 27.2   | 28.633 | 27.836 | 1.019 |
| 10/5/2017 11:15 | 47700  | 18.965 | 17.312   | 42.72  | 35906.137 | 42085.699 | 27.185 | 28.618 | 27.85  | 1.019 |
| 10/5/2017 11:30 | 48600  | 18.963 | 17.313   | 42.716 | 35955.633 | 42143.059 | 27.226 | 28.657 | 27.812 | 1.019 |
| 10/5/2017 11:45 | 49500  | 18.968 | 17.313   | 42.726 | 35940.07  | 42125.313 | 27.213 | 28.645 | 27.824 | 1.019 |
| 10/5/2017 12:00 | 50400  | 18.962 | 17.313   | 42.715 | 35922.441 | 42104.566 | 27.199 | 28.631 | 27.838 | 1.019 |
| 10/5/2017 12:15 | 51300  | 18.966 | 17.313   | 42.724 | 35958.07  | 42146.324 | 27.228 | 28.66  | 27.81  | 1.019 |
| 10/5/2017 12:30 | 52200  | 18.967 | 17.313   | 42.726 | 35975.328 | 42166.461 | 27.243 | 28.673 | 27.797 | 1.02  |
| 10/5/2017 12:45 | 53100  | 18.973 | 17.313   | 42.737 | 35953.723 | 42140.898 | 27.225 | 28.656 | 27.814 | 1.019 |
| 10/5/2017 13:00 | 54000  | 18.973 | 17.312   | 42.739 | 35936.59  | 42121.395 | 27.211 | 28.643 | 27.827 | 1.019 |
| 10/5/2017 13:15 | 54900  | 18.977 | 17.313   | 42.747 | 35951.355 | 42138.457 | 27.223 | 28.654 | 27.815 | 1.019 |
| 10/5/2017 13:30 | 55800  | 18.976 | 17.313   | 42.745 | 35958.199 | 42146.645 | 27.229 | 28.66  | 27.81  | 1.019 |
| 10/5/2017 13:45 | 56700  | 18.977 | 17.313   | 42.747 | 35946.938 | 42133.363 | 27.219 | 28.651 | 27.819 | 1.019 |
| 10/5/2017 14:00 | 57600  | 18.976 | 17.313   | 42.745 | 35962.156 | 42150.617 | 27.232 | 28.662 | 27.807 | 1.019 |
| 10/5/2017 14:15 | 58500  | 18.981 | 17.313   | 42.756 | 35960.043 | 42148.637 | 27.23  | 28.661 | 27.809 | 1.019 |
| 10/5/2017 14:30 | 59400  | 18.979 | 17.312   | 42.753 | 35987.77  | 42181.469 | 27.254 | 28.683 | 27.787 | 1.02  |
| 10/5/2017 14:45 | 60300  | 18.984 | 17.312   | 42.764 | 35966.598 | 42156.652 | 27.236 | 28.667 | 27.804 | 1.019 |
| 10/5/2017 15:00 | 61200  | 18.988 | 17.312   | 42.772 | 35971.664 | 42162.664 | 27.24  | 28.671 | 27.8   | 1.019 |
| 10/5/2017 15:15 | 62100  | 18.987 | 17.313   | 42.769 | 35960.422 | 42149.168 | 27.23  | 28.661 | 27.808 | 1.019 |
| 10/5/2017 15:30 | 63000  | 18.99  | 17.314   | 42.777 | 35962.918 | 42150.676 | 27.232 | 28.662 | 27.806 | 1.019 |
| 10/5/2017 15:45 | 63900  | 18.991 | 17.312   | 42.778 | 35949.898 | 42137.152 | 27.222 | 28.653 | 27.816 | 1.019 |
| 10/5/2017 16:00 | 64800  | 18.992 | 17.311   | 42.781 | 35963.621 | 42154.07  | 27.234 | 28.665 | 27.806 | 1.019 |
| 10/5/2017 16:15 | 65700  | 18.992 | 17.312   | 42.782 | 35956.766 | 42145.199 | 27.228 | 28.659 | 27.811 | 1.019 |
| 10/5/2017 16:30 | 66600  | 18.997 | 17.312   | 42.793 | 35961.266 | 42150.809 | 27.232 | 28.663 | 27.808 | 1.019 |
| 10/5/2017 16:45 | 67500  | 18.995 | 17.312   | 42.787 | 35980.438 | 42173.207 | 27.248 | 28.678 | 27.793 | 1.02  |
| 10/5/2017 17:00 | 68400  | 18.998 | 17.312   | 42.795 | 35961.758 | 42151.477 | 27.232 | 28.663 | 27.807 | 1.019 |
| 10/5/2017 17:15 | 69300  | 18.999 | 17.312   | 42.797 | 35972.598 | 42164.016 | 27.241 | 28.672 | 27.799 | 1.02  |
| 10/5/2017 17:30 | 70200  | 18.998 | 17.311   | 42.794 | 35960.41  | 42150.891 | 27.232 | 28.663 | 27.808 | 1.019 |
| 10/5/2017 17:45 | 71100  | 18.999 | 17.311   | 42.796 | 35984.875 | 42178.906 | 27.252 | 28.682 | 27.789 | 1.02  |
| 10/5/2017 18:00 | 72000  | 18.999 | 17.312   | 42.798 | 35991.594 | 42186.355 | 27.257 | 28.687 | 27.784 | 1.02  |
| 10/5/2017 18:15 | 72900  | 18.999 | 17.312   | 42.796 | 60004.992 | 42201.656 | 27.268 | 28.697 | 27.774 | 1.02  |
| 10/5/2017 18:30 | 73800  | 19.004 | 17.311   | 42.808 | 36003.375 | 42200.754 | 27.267 | 28.697 | 27.775 | 1.02  |
| 10/5/2017 18:45 | 74700  | 19.01  | 17.312   | 42.822 | 35958.055 | 42147.137 | 27.229 | 28.66  | 27.81  | 1.019 |
| 10/5/2017 19:00 | 75600  | 19.002 | 17.311   | 42.804 | 35983.863 | 42178.215 | 27.251 | 28.681 | 27.79  | 1.02  |
| 10/5/2017 19:15 | 76500  | 19.008 | 17.312   | 42.818 | 35990.863 | 42185.59  | 27.257 | 28.686 | 27.785 | 1.02  |
| 10/5/2017 19:30 | 77400  | 19.009 | 17.311   | 42.82  | 35988.293 | 42183.316 | 27.255 | 28.685 | 27.787 | 1.02  |
| 10/5/2017 19:45 | 78300  | 19.011 | 17.312   | 42.825 | 35961.719 | 42151.598 | 27.232 | 28.663 | 27.807 | 1.019 |
| 10/5/2017 20:00 | 79200  | 19.011 | 17.312   | 42.823 | 35950.203 | 42137.84  | 27.222 | 28.654 | 27.816 | 1.019 |
| 10/5/2017 20:15 | 80100  | 19.011 | 17.311   | 42.825 | 35969.445 | 42160.898 | 27.239 | 28.669 | 27.801 | 1.019 |
| 10/5/2017 20:30 | 81000  | 19.014 | 17.312   | 42.83  | 35976.797 | 42169.102 | 27.245 | 28.675 | 27.796 | 1.02  |
| 10/5/2017 20:45 | 81900  | 19.015 | 17.313   | 42.832 | 36024.012 | 42223.449 | 27.284 | 28.712 | 27.759 | 1.02  |
| 10/5/2017 21:00 | 82800  | 19.014 | 17.313   | 42.832 | 35992.203 | 42186.418 | 27.257 | 28.687 | 27.784 | 1.02  |
| 10/5/2017 21:15 | 83700  | 19.014 | 17.312   | 42.832 | 35982.531 | 42175.328 | 27.249 | 28.679 | 27.791 | 1.02  |
| 10/5/2017 21:30 | 84600  | 19.016 | 17.312   | 42.835 | 35979.578 | 42171.781 | 27.247 | 28.677 | 27.794 | 1.02  |
| 10/5/2017 21:45 | 85500  | 19.02  | 17.313   | 42.845 | 35973.508 | 42164.328 | 27.241 | 28.672 | 27.798 | 1.02  |
| 10/5/2017 22:00 | 86400  | 19.014 | 17.313   | 42.832 | 35959.379 | 42147.277 | 27.229 | 28.66  | 27.809 | 1.019 |
| 10/5/2017 22:15 | 87300  | 19.019 | 17.313   | 42.843 | 35955.656 | 42143.406 | 27.226 | 28.658 | 27.812 | 1.019 |
| 10/5/2017 22:30 | 88200  | 19.02  | 17.314   | 42.845 | 35967.805 | 42156.742 | 27.236 | 28.667 | 27.803 | 1.019 |
| 10/5/2017 22:45 | 89100  | 19.022 | 17.313   | 42.848 | 35978.953 | 42170.141 | 27.246 | 28.676 | 27.794 | 1.02  |
| 10/5/2017 23:00 | 90000  | 19.021 | 17.313   | 42.846 | 35967.34  | 42156.781 | 27.236 | 28.667 | 27.803 | 1.019 |
| 10/5/2017 23:15 | 90900  | 19.023 | 17.315   | 42.85  | 35979.84  | 42170.02  | 27.245 | 28.676 | 27.793 | 1.02  |
| 10/5/2017 23:30 | 91800  | 19.024 | 17.315   | 42.853 | 35953.234 | 42138.184 | 27.223 | 28.654 | 27.814 | 1.019 |
| 10/5/2017 23:45 | 92700  | 19.022 | 17.313   | 42.849 | 35972.645 | 42163     | 27.24  | 28.671 | 27.799 | 1.019 |
| 10/6/2017 0:00  | 93600  | 19.025 | 17.315   | 42.855 | 35981.41  | 42171.523 | 27.247 | 28.677 | 27.792 | 1.02  |
| 10/6/2017 0:15  | 94500  | 19.025 | 17.315   | 42.857 | 35977.477 | 42166.43  | 27.243 | 28.673 | 27.795 | 1.02  |
| 10/6/2017 0:30  | 95400  | 19.023 | 17.315   | 42.852 | 36007.867 | 42202.047 | 27.268 | 28.697 | 27.772 | 1.02  |
| 10/6/2017 0:45  | 96300  | 19.027 | 17.317   | 42.861 | 35947.93  | 42130.305 | 27.217 | 28.649 | 27.818 | 1.019 |
| 10/6/2017 1:00  | 97200  | 19.027 | 17.318   | 42.859 | 35997.594 | 42188.02  | 27.259 | 28.688 | 27.78  | 1.02  |
| 10/6/2017 1:15  | 98100  | 19.024 | 17.319   | 42.854 | 35988.191 | 42175.668 | 27.25  | 28.679 | 27.787 | 1.02  |
| 10/6/2017 1:30  | 99000  | 19.028 | 17.32    | 42.862 | 35955.695 | 42136.758 | 27.222 | 28.653 | 27.812 | 1.019 |
| 10/6/2017 1:45  | 99900  | 19.027 | 17.321   | 42.859 | 35950.063 | 42129.5   | 27.217 | 28.648 | 27.816 | 1.019 |
| 10/6/2017 2:00  | 100800 | 19.028 | 17.32    | 42.862 | 35962.543 | 42144.203 | 27.227 | 28.658 | 27.807 | 1.019 |
| 10/6/2017 2:15  | 101700 | 19.032 | 17.32    | 42.871 | 35964.18  | 42146.211 | 27.229 | 28.659 | 27.805 | 1.019 |
| 10/6/2017 2:30  | 102600 | 19.025 | 17.32    | 42.857 | 35975.895 | 42159.852 | 27.238 | 28.669 | 27.796 | 1.019 |
| 10/6/2017 2:45  | 103500 | 19.03  | 17.32    | 42.866 | 35962.543 | 42144.781 | 27.228 | 28.658 | 27.807 | 1.019 |
| 10/6/2017 3:00  | 104400 | 19.029 | 17.32    | 42.865 | 35954.773 | 42135.098 | 27.221 | 28.652 | 27.813 | 1.019 |
| 10/6/2017 3:15  | 105300 | 19.029 | 17.32    | 42.864 | 35922.391 | 42097.387 | 27.194 | 28.626 | 27.838 | 1.019 |
| 10/6/2017 3:30  | 106200 | 19.034 | 17.32    | 42.877 | 35943.383 | 42122.082 | 27.211 | 28.643 | 27.822 | 1.019 |
| 10/6/2017 3:45  | 107100 | 19.027 | 17.321   | 42.859 | 35929.086 | 42104.754 | 27.199 | 28.631 | 27.833 | 1.019 |
| 10/6/2017 4:00  | 108000 | 19.03  | 17.32    | 42.866 | 35962.828 | 42145.117 | 27.228 | 28.659 | 27.806 | 1.019 |
| 10/6/2017 4:15  | 108900 | 19.027 | 17.32    | 42.859 | 35931.469 | 42108.121 | 27.201 | 28.634 | 27.831 | 1.019 |
| 10/6/2017 4:30  | 109800 | 19.032 | 17.32    | 42.871 | 35933.559 | 42110.734 | 27.203 | 28.635 | 27.829 | 1.019 |
| 10/6/2017 4:45  | 110700 | 19.03  | 17.32    | 42.867 | 35908.75  | 42081.742 | 27.183 | 28.616 | 27.848 | 1.019 |
| 10/6/2017 5:00  | 111600 | 19.03  | 17.32    | 42.867 | 35879.508 | 42047.395 | 27.158 | 28.592 | 27.871 | 1.019 |
| 10/6/2017 5:15  | 112500 | 19.025 | 17.319   | 42.855 | 35877.055 | 42045.18  | 27.156 | 28.591 | 27.873 | 1.019 |
| 10/6/2017 5:30  | 113400 | 19.029 | 17.319   | 42.864 | 35863.074 | 42028.961 | 27.145 | 28.58  | 27.884 | 1.019 |
| 10/6/2017 5:45  | 114300 | 19.03  | 17.319   | 42.866 | 35858.676 | 42023.969 | 27.141 | 28.576 | 27.887 | 1.019 |
| 10/6/2017 6:00  | 115200 | 19.026 | 17.319   | 42.859 | 35857.363 | 42022.344 | 27.14  | 28.575 | 27.888 | 1.019 |
| 10/6/2017 6:15  | 116100 | 19.023 | 17.319   | 42.852 | 35817.047 | 41975.184 | 27.106 | 28.543 | 27.92  | 1.019 |
| 10/6/2017 6:30  | 117000 | 19.023 | 17.319   | 42.85  | 35781.484 | 41933.836 | 27.077 | 28.515 | 27.947 | 1.019 |
| 10/6/2017 6:45  | 117900 | 19.026 | 17.319   | 42.858 | 35804.09  | 41960.328 | 27.095 | 28.533 | 27.93  | 1.019 |
| 10/6/2017 7:00  | 118800 | 19.027 | 17.319   | 42.859 | 35770.172 | 41920.41  | 27.067 | 28.506 | 27.956 | 1.019 |
| 10/6/2017 7:15  | 119700 | 19.027 | 17.319   | 42.861 | 35782.828 | 41935.41  | 27.078 | 28.516 | 27.946 | 1.019 |
| 10/6/2017 7:30  | 120600 | 19.025 | 17.318   | 42.857 | 35755.875 | 41904.32  | 27.055 | 28.495 | 27.967 | 1.019 |
| 10/6/2017 7:45  | 121500 | 19.025 | 17.318   | 42.856 | 35749.367 | 41896.441 | 27.05  | 28.49  | 27.973 | 1.019 |
| 10/6/2017 8:00  | 122400 | 19.024 | 17.318   | 42.853 | 35744.582 | 41890.988 | 27.046 | 28.486 | 27.976 | 1.019 |
| 10/6/2017 8:15  | 123300 | 19.024 | 17.318   | 42.853 | 35718.395 | 41860.469 | 27.024 | 28.465 | 27.997 | 1.019 |
| 10/6/2017 8:30  | 124200 | 19.024 | 17.318</ |        |           |           |        |        |        |       |

|                 |        |        |        |        |             |           |        |        |        |       |
|-----------------|--------|--------|--------|--------|-------------|-----------|--------|--------|--------|-------|
| 10/7/2017 6:30  | 203400 | 18.972 | 17.316 | 42.737 | 35578.246   | 41697.695 | 26.907 | 28.354 | 28.107 | 1.019 |
| 10/7/2017 6:45  | 204300 | 18.979 | 17.316 | 42.752 | 35590.086   | 41711.57  | 26.917 | 28.364 | 28.098 | 1.019 |
| 10/7/2017 7:00  | 205200 | 18.969 | 17.316 | 42.731 | 35603.535   | 41727.332 | 26.929 | 28.375 | 28.087 | 1.019 |
| 10/7/2017 7:15  | 206100 | 18.972 | 17.316 | 42.736 | 35572.148   | 41690.793 | 26.902 | 28.35  | 28.112 | 1.019 |
| 10/7/2017 7:30  | 207000 | 18.973 | 17.316 | 42.738 | 35611.332   | 41737.207 | 26.936 | 28.381 | 28.081 | 1.019 |
| 10/7/2017 7:45  | 207900 | 18.975 | 17.316 | 42.742 | 35589.797   | 41711.23  | 26.917 | 28.364 | 28.098 | 1.019 |
| 10/7/2017 8:00  | 208800 | 18.972 | 17.317 | 42.737 | 35586.715   | 41707.301 | 26.914 | 28.361 | 28.1   | 1.019 |
| 10/7/2017 8:15  | 209700 | 18.972 | 17.316 | 42.736 | 35624.684   | 41752.293 | 26.946 | 28.392 | 28.07  | 1.019 |
| 10/7/2017 8:30  | 210600 | 18.973 | 17.316 | 42.739 | 35601.816   | 41725.727 | 26.927 | 28.373 | 28.088 | 1.019 |
| 10/7/2017 8:45  | 211500 | 18.969 | 17.316 | 42.729 | 35582.805   | 41703.609 | 26.912 | 28.358 | 28.103 | 1.019 |
| 10/7/2017 9:00  | 212400 | 18.969 | 17.316 | 42.729 | 35595.375   | 41717.684 | 26.922 | 28.368 | 28.094 | 1.019 |
| 10/7/2017 9:15  | 213300 | 18.969 | 17.316 | 42.731 | 35632.125   | 41761.086 | 26.953 | 28.398 | 28.065 | 1.019 |
| 10/7/2017 9:30  | 214200 | 18.969 | 17.317 | 42.729 | 35622.707   | 41749.648 | 26.945 | 28.39  | 28.072 | 1.019 |
| 10/7/2017 9:45  | 215100 | 18.967 | 17.317 | 42.724 | 35641.93    | 41772.012 | 26.961 | 28.405 | 28.057 | 1.019 |
| 10/7/2017 10:00 | 216000 | 18.969 | 17.317 | 42.73  | 35623.551   | 41750.473 | 26.945 | 28.39  | 28.071 | 1.019 |
| 10/7/2017 10:15 | 216900 | 18.966 | 17.317 | 42.723 | 35647.305   | 41778.219 | 26.965 | 28.409 | 28.053 | 1.019 |
| 10/7/2017 10:30 | 217800 | 18.967 | 17.317 | 42.726 | 35624.406   | 41750.984 | 26.946 | 28.391 | 28.071 | 1.019 |
| 10/7/2017 10:45 | 218700 | 18.964 | 17.317 | 42.718 | 35626.262   | 41753.227 | 26.947 | 28.392 | 28.069 | 1.019 |
| 10/7/2017 11:00 | 219600 | 18.965 | 17.317 | 42.721 | 35622.809   | 41749.512 | 26.945 | 28.39  | 28.072 | 1.019 |
| 10/7/2017 11:15 | 220500 | 18.963 | 17.317 | 42.715 | 35651.648   | 41783.402 | 26.969 | 28.413 | 28.049 | 1.019 |
| 10/7/2017 11:30 | 221400 | 18.964 | 17.317 | 42.719 | 35619.055   | 41745.113 | 26.941 | 28.387 | 28.075 | 1.019 |
| 10/7/2017 11:45 | 222300 | 18.968 | 17.317 | 42.727 | 35604.336   | 41727.781 | 26.929 | 28.375 | 28.086 | 1.019 |
| 10/7/2017 12:00 | 223200 | 18.965 | 17.317 | 42.72  | 35652.32    | 41784.188 | 26.969 | 28.413 | 28.049 | 1.019 |
| 10/7/2017 12:15 | 224100 | 18.966 | 17.317 | 42.724 | 35642.879   | 41773.289 | 26.962 | 28.406 | 28.056 | 1.019 |
| 10/7/2017 12:30 | 225000 | 18.964 | 17.316 | 42.719 | 35667.082   | 41801.891 | 26.982 | 28.425 | 28.037 | 1.019 |
| 10/7/2017 12:45 | 225900 | 18.965 | 17.317 | 42.721 | 35653.316   | 41785.43  | 26.97  | 28.414 | 28.048 | 1.019 |
| 10/7/2017 13:00 | 226800 | 18.962 | 17.316 | 42.713 | 35655.098   | 41787.766 | 26.972 | 28.416 | 28.046 | 1.019 |
| 10/7/2017 13:15 | 227700 | 18.963 | 17.316 | 42.716 | 35639.258   | 41769.445 | 26.959 | 28.403 | 28.059 | 1.019 |
| 10/7/2017 13:30 | 228600 | 18.96  | 17.316 | 42.708 | 35678.461   | 41815.391 | 26.992 | 28.434 | 28.028 | 1.019 |
| 10/7/2017 13:45 | 229500 | 18.956 | 17.316 | 42.699 | 35662.031   | 41796.223 | 26.978 | 28.421 | 28.041 | 1.019 |
| 10/7/2017 14:00 | 230400 | 18.964 | 17.316 | 42.719 | 35662.766   | 41796.926 | 26.978 | 28.422 | 28.04  | 1.019 |
| 10/7/2017 14:15 | 231300 | 18.956 | 17.316 | 42.701 | 35693.422   | 41833.418 | 27.005 | 28.447 | 28.016 | 1.019 |
| 10/7/2017 14:30 | 232200 | 18.957 | 17.316 | 42.702 | 35682.641   | 41820.711 | 26.995 | 28.438 | 28.025 | 1.019 |
| 10/7/2017 14:45 | 233100 | 18.96  | 17.316 | 42.709 | 35688.09    | 41826.605 | 27     | 28.442 | 28.021 | 1.019 |
| 10/7/2017 15:00 | 234000 | 18.96  | 17.315 | 42.708 | 35682.965   | 41821.254 | 26.996 | 28.438 | 28.025 | 1.019 |
| 10/7/2017 15:15 | 234900 | 18.955 | 17.316 | 42.697 | 35666.145   | 41800.957 | 26.981 | 28.425 | 28.038 | 1.019 |
| 10/7/2017 15:30 | 235800 | 18.96  | 17.316 | 42.708 | 35679.957   | 41817.473 | 26.993 | 28.436 | 28.027 | 1.019 |
| 10/7/2017 15:45 | 236700 | 18.953 | 17.316 | 42.694 | 35687.336   | 41826.051 | 26.999 | 28.442 | 28.021 | 1.019 |
| 10/7/2017 16:00 | 237600 | 18.955 | 17.316 | 42.697 | 35682.914   | 41820.609 | 26.995 | 28.438 | 28.025 | 1.019 |
| 10/7/2017 16:15 | 238500 | 18.954 | 17.316 | 42.696 | 35686.035   | 41824.691 | 26.998 | 28.441 | 28.022 | 1.019 |
| 10/7/2017 16:30 | 239400 | 18.955 | 17.316 | 42.698 | 35684.273   | 41822.133 | 26.996 | 28.439 | 28.024 | 1.019 |
| 10/7/2017 16:45 | 240300 | 18.956 | 17.316 | 42.699 | 35694.84    | 41834.258 | 27.005 | 28.447 | 28.015 | 1.019 |
| 10/7/2017 17:00 | 241200 | 18.954 | 17.317 | 42.696 | 35704.277   | 41845.156 | 27.013 | 28.455 | 28.008 | 1.019 |
| 10/7/2017 17:15 | 242100 | 18.959 | 17.317 | 42.706 | 35712.797   | 41854.574 | 27.02  | 28.461 | 28.001 | 1.019 |
| 10/7/2017 17:30 | 243000 | 18.955 | 17.318 | 42.698 | 35703.629   | 41843.414 | 27.012 | 28.454 | 28.008 | 1.019 |
| 10/7/2017 17:45 | 243900 | 18.954 | 17.317 | 42.696 | 35704.336   | 41845.223 | 27.013 | 28.455 | 28.008 | 1.019 |
| 10/7/2017 18:00 | 244800 | 18.952 | 17.318 | 42.692 | 35699.422   | 41838.484 | 27.008 | 28.45  | 28.012 | 1.019 |
| 10/7/2017 18:15 | 245700 | 18.951 | 17.317 | 42.688 | 35692.742   | 41830.977 | 27.003 | 28.445 | 28.017 | 1.019 |
| 10/7/2017 18:30 | 246600 | 18.949 | 17.317 | 42.685 | 35683.121   | 41819.867 | 26.995 | 28.438 | 28.024 | 1.019 |
| 10/7/2017 18:45 | 247500 | 18.951 | 17.317 | 42.689 | 35697.336   | 41837.02  | 27.007 | 28.449 | 28.013 | 1.019 |
| 10/7/2017 19:00 | 248400 | 18.956 | 17.316 | 42.7   | 35671.609   | 41807.031 | 26.986 | 28.429 | 28.033 | 1.019 |
| 10/7/2017 19:15 | 249300 | 18.949 | 17.317 | 42.685 | 35687.188   | 41824.797 | 26.998 | 28.441 | 28.021 | 1.019 |
| 10/7/2017 19:30 | 250200 | 18.949 | 17.317 | 42.685 | 35661.227   | 41794.793 | 26.977 | 28.42  | 28.042 | 1.019 |
| 10/7/2017 19:45 | 251100 | 18.953 | 17.316 | 42.693 | 35681.547   | 41818.938 | 26.994 | 28.437 | 28.026 | 1.019 |
| 10/7/2017 20:00 | 252000 | 18.951 | 17.316 | 42.689 | 35657.93    | 41791.086 | 26.974 | 28.418 | 28.044 | 1.019 |
| 10/7/2017 20:15 | 252900 | 18.949 | 17.316 | 42.685 | 35694.363   | 41833.785 | 27.005 | 28.447 | 28.016 | 1.019 |
| 10/7/2017 20:30 | 253800 | 18.948 | 17.317 | 42.683 | 35666.676   | 41800.68  | 26.981 | 28.424 | 28.037 | 1.019 |
| 10/7/2017 20:45 | 254700 | 18.95  | 17.316 | 42.686 | 35686.434   | 41824.492 | 26.998 | 28.441 | 28.022 | 1.019 |
| 10/7/2017 21:00 | 255600 | 18.949 | 17.316 | 42.685 | 35690.172   | 41829.117 | 27.001 | 28.444 | 28.019 | 1.019 |
| 10/7/2017 21:15 | 256500 | 18.945 | 17.316 | 42.675 | 35670.922   | 41806.719 | 26.985 | 28.429 | 28.034 | 1.019 |
| 10/7/2017 21:30 | 257400 | 18.945 | 17.317 | 42.676 | 35650.328   | 41781.926 | 26.969 | 28.412 | 28.05  | 1.019 |
| 10/7/2017 21:45 | 258300 | 18.95  | 17.317 | 42.686 | 35663.332   | 41797.262 | 26.978 | 28.422 | 28.04  | 1.019 |
| 10/7/2017 22:00 | 259200 | 18.947 | 17.316 | 42.681 | 35679.922   | 41817.188 | 26.993 | 28.436 | 28.027 | 1.019 |
| 10/7/2017 22:15 | 260100 | 18.944 | 17.316 | 42.674 | 35682.129   | 41819.445 | 26.995 | 28.437 | 28.025 | 1.019 |
| 10/7/2017 22:30 | 261000 | 18.945 | 17.316 | 42.675 | 35669.207   | 41804.301 | 26.984 | 28.427 | 28.035 | 1.019 |
| 10/7/2017 22:45 | 261900 | 18.948 | 17.317 | 42.682 | 35703.453   | 41844.281 | 27.012 | 28.454 | 28.008 | 1.019 |
| 10/7/2017 23:00 | 262800 | 18.948 | 17.316 | 42.683 | 35704.277   | 41845.48  | 27.013 | 28.455 | 28.008 | 1.019 |
| 10/7/2017 23:15 | 263700 | 18.943 | 17.317 | 42.671 | 35700.75    | 41841.02  | 27.01  | 28.452 | 28.011 | 1.019 |
| 10/7/2017 23:30 | 264600 | 18.942 | 17.317 | 42.668 | 35700.516   | 41840.582 | 27.01  | 28.452 | 28.011 | 1.019 |
| 10/7/2017 23:45 | 265500 | 18.945 | 17.317 | 42.676 | 35712.465   | 41854.75  | 27.02  | 28.461 | 28.001 | 1.019 |
| 10/8/2017 0:00  | 266400 | 18.945 | 17.317 | 42.676 | 35696.82    | 41836.414 | 27.007 | 28.449 | 28.014 | 1.019 |
| 10/8/2017 0:15  | 267300 | 18.946 | 17.316 | 42.678 | 35704.359   | 41845.672 | 27.013 | 28.455 | 28.008 | 1.019 |
| 10/8/2017 0:30  | 268200 | 18.947 | 17.316 | 42.679 | 35705.707   | 41847.25  | 27.014 | 28.456 | 28.007 | 1.019 |
| 10/8/2017 0:45  | 269100 | 18.944 | 17.315 | 42.673 | 35696.383   | 41837.297 | 27.007 | 28.449 | 28.014 | 1.019 |
| 10/8/2017 1:00  | 270000 | 18.95  | 17.315 | 42.688 | 35726.043   | 41871.98  | 27.032 | 28.473 | 27.991 | 1.019 |
| 10/8/2017 1:15  | 270900 | 18.944 | 17.314 | 42.674 | 35735.625   | 41884.449 | 27.041 | 28.481 | 27.983 | 1.019 |
| 10/8/2017 1:30  | 271800 | 18.944 | 17.314 | 42.672 | 35708.242   | 41852.023 | 27.018 | 28.459 | 28.005 | 1.019 |
| 10/8/2017 1:45  | 272700 | 18.945 | 17.314 | 42.675 | 35712.316   | 41856.715 | 27.021 | 28.463 | 28.002 | 1.019 |
| 10/8/2017 2:00  | 273600 | 18.945 | 17.314 | 42.675 | 35709.105   | 41853.531 | 27.019 | 28.46  | 28.004 | 1.019 |
| 10/8/2017 2:15  | 274500 | 18.944 | 17.313 | 42.674 | 35732.793   | 41881.785 | 27.039 | 28.48  | 27.985 | 1.019 |
| 10/8/2017 2:30  | 275400 | 18.941 | 17.313 | 42.668 | 35729.328   | 41878.055 | 27.036 | 28.477 | 27.988 | 1.019 |
| 10/8/2017 2:45  | 276300 | 18.946 | 17.313 | 42.679 | 35736.441   | 41886.148 | 27.042 | 28.483 | 27.983 | 1.019 |
| 10/8/2017 3:00  | 277200 | 18.946 | 17.313 | 42.678 | 35711.996   | 41857.41  | 27.022 | 28.463 | 28.002 | 1.019 |
| 10/8/2017 3:15  | 278100 | 18.944 | 17.312 | 42.672 | 35745.156   | 41896.113 | 27.049 | 28.489 | 27.976 | 1.019 |
| 10/8/2017 3:30  | 279000 | 18.94  | 17.314 | 42.665 | 35721.766   | 41868.117 | 27.029 | 28.47  | 27.994 | 1.019 |
| 10/8/2017 3:45  | 279900 | 18.946 | 17.313 | 42.678 | 35746.141   | 41897.668 | 27.05  | 28.49  | 27.975 | 1.019 |
| 10/8/2017 4:00  | 280800 | 18.946 | 17.314 | 42.677 | 35730.926   | 41879.184 | 27.037 | 28.478 | 27.987 | 1.019 |
| 10/8/2017 4:15  | 281700 | 18.942 | 17.313 | 42.668 | 35761.141   | 41915.246 | 27.063 | 28.502 | 27.963 | 1.019 |
| 10/8/2017 4:30  | 282600 | 18.941 | 17.313 | 42.668 | 35750.973   | 41903.328 | 27.054 | 28.494 | 27.971 | 1.019 |
| 10/8/2017 4:45  | 283500 | 18.947 | 17.313 | 42.66  | 35761.816</ |           |        |        |        |       |

|                 |        |        |        |        |           |           |        |        |        |       |
|-----------------|--------|--------|--------|--------|-----------|-----------|--------|--------|--------|-------|
| 10/9/2017 3:00  | 363600 | 18.93  | 17.313 | 42.641 | 35761.758 | 41915.902 | 27.063 | 28.503 | 27.963 | 1.019 |
| 10/9/2017 3:15  | 364500 | 18.926 | 17.313 | 42.633 | 35823     | 41967.684 | 27.115 | 28.552 | 27.915 | 1.019 |
| 10/9/2017 3:30  | 365400 | 18.924 | 17.313 | 42.628 | 35803.59  | 41965.262 | 27.099 | 28.536 | 27.93  | 1.019 |
| 10/9/2017 3:45  | 366300 | 18.927 | 17.314 | 42.635 | 35794.434 | 41953.703 | 27.091 | 28.529 | 27.937 | 1.019 |
| 10/9/2017 4:00  | 367200 | 18.927 | 17.312 | 42.635 | 35803.223 | 41965.16  | 27.099 | 28.536 | 27.93  | 1.019 |
| 10/9/2017 4:15  | 368100 | 18.924 | 17.313 | 42.628 | 35803.57  | 41965.238 | 27.099 | 28.536 | 27.93  | 1.019 |
| 10/9/2017 4:30  | 369000 | 18.93  | 17.313 | 42.641 | 35807.23  | 41969.527 | 27.102 | 28.539 | 27.927 | 1.019 |
| 10/9/2017 4:45  | 369900 | 18.928 | 17.312 | 42.636 | 35819.496 | 41984.563 | 27.113 | 28.55  | 27.918 | 1.019 |
| 10/9/2017 5:00  | 370800 | 18.927 | 17.312 | 42.635 | 35811.313 | 41975.215 | 27.106 | 28.543 | 27.924 | 1.019 |
| 10/9/2017 5:15  | 371700 | 18.926 | 17.313 | 42.633 | 35796.313 | 41956.566 | 27.093 | 28.53  | 27.936 | 1.019 |
| 10/9/2017 5:30  | 372600 | 18.929 | 17.312 | 42.64  | 35817.949 | 41982.75  | 27.111 | 28.548 | 27.919 | 1.019 |
| 10/9/2017 5:45  | 373500 | 18.931 | 17.312 | 42.643 | 35822.387 | 41988.023 | 27.115 | 28.552 | 27.916 | 1.019 |
| 10/9/2017 6:00  | 374400 | 18.932 | 17.313 | 42.646 | 35794.137 | 41954.09  | 27.091 | 28.529 | 27.938 | 1.019 |
| 10/9/2017 6:15  | 375300 | 18.925 | 17.314 | 42.63  | 35802.313 | 41962.938 | 27.097 | 28.535 | 27.931 | 1.019 |
| 10/9/2017 6:30  | 376200 | 18.929 | 17.314 | 42.639 | 35789.301 | 41947.188 | 27.086 | 28.524 | 27.941 | 1.019 |
| 10/9/2017 6:45  | 377100 | 18.923 | 17.313 | 42.625 | 35815.055 | 41978.203 | 27.108 | 28.545 | 27.921 | 1.019 |
| 10/9/2017 7:00  | 378000 | 18.926 | 17.315 | 42.633 | 35807.117 | 41966.836 | 27.1   | 28.537 | 27.927 | 1.019 |
| 10/9/2017 7:15  | 378900 | 18.924 | 17.316 | 42.628 | 35802.18  | 41960.223 | 27.095 | 28.533 | 27.931 | 1.019 |
| 10/9/2017 7:30  | 379800 | 18.924 | 17.317 | 42.628 | 35811.559 | 41970.555 | 27.103 | 28.54  | 27.924 | 1.019 |
| 10/9/2017 7:45  | 380700 | 18.921 | 17.317 | 42.622 | 35817.676 | 41977.813 | 27.108 | 28.545 | 27.919 | 1.019 |
| 10/9/2017 8:00  | 381600 | 18.922 | 17.317 | 42.623 | 35788.051 | 41943.094 | 27.083 | 28.521 | 27.942 | 1.019 |
| 10/9/2017 8:15  | 382500 | 18.921 | 17.317 | 42.621 | 35805.879 | 41964.156 | 27.098 | 28.536 | 27.928 | 1.019 |
| 10/9/2017 8:30  | 383400 | 18.92  | 17.317 | 42.619 | 35785.426 | 41940.016 | 27.081 | 28.519 | 27.944 | 1.019 |
| 10/9/2017 8:45  | 384300 | 18.923 | 17.316 | 42.625 | 35800.617 | 41958.559 | 27.094 | 28.532 | 27.932 | 1.019 |
| 10/9/2017 9:00  | 385200 | 18.925 | 17.317 | 42.63  | 35764.23  | 41915.012 | 27.063 | 28.502 | 27.961 | 1.019 |
| 10/9/2017 9:15  | 386100 | 18.923 | 17.317 | 42.625 | 35780.52  | 41934.016 | 27.077 | 28.515 | 27.948 | 1.019 |
| 10/9/2017 9:30  | 387000 | 18.92  | 17.317 | 42.618 | 35793.238 | 41949.254 | 27.087 | 28.525 | 27.938 | 1.019 |
| 10/9/2017 9:45  | 387900 | 18.923 | 17.317 | 42.626 | 35767.504 | 41919.258 | 27.066 | 28.505 | 27.958 | 1.019 |
| 10/9/2017 10:00 | 388800 | 18.923 | 17.317 | 42.626 | 35778.543 | 41931.949 | 27.075 | 28.514 | 27.95  | 1.019 |
| 10/9/2017 10:15 | 389700 | 18.923 | 17.316 | 42.627 | 35801.277 | 41959.086 | 27.094 | 28.532 | 27.932 | 1.019 |
| 10/9/2017 10:30 | 390600 | 18.921 | 17.316 | 42.621 | 35777.465 | 41931.18  | 27.075 | 28.513 | 27.951 | 1.019 |
| 10/9/2017 10:45 | 391500 | 18.921 | 17.316 | 42.622 | 35770.461 | 41923.301 | 27.069 | 28.508 | 27.956 | 1.019 |
| 10/9/2017 11:00 | 392400 | 18.916 | 17.316 | 42.611 | 35772.359 | 41925.109 | 27.07  | 28.509 | 27.955 | 1.019 |
| 10/9/2017 11:15 | 393300 | 18.92  | 17.316 | 42.618 | 35792.766 | 41949.191 | 27.087 | 28.525 | 27.939 | 1.019 |
| 10/9/2017 11:30 | 394200 | 18.921 | 17.317 | 42.622 | 35791.676 | 41947.422 | 27.086 | 28.524 | 27.939 | 1.019 |
| 10/9/2017 11:45 | 395100 | 18.922 | 17.316 | 42.623 | 35771.262 | 41923.824 | 27.069 | 28.508 | 27.955 | 1.019 |
| 10/9/2017 12:00 | 396000 | 18.926 | 17.317 | 42.632 | 35736.301 | 41882.688 | 27.04  | 28.48  | 27.983 | 1.019 |
| 10/9/2017 12:15 | 396900 | 18.912 | 17.316 | 42.602 | 35784.676 | 41939.805 | 27.081 | 28.519 | 27.945 | 1.019 |
| 10/9/2017 12:30 | 397800 | 18.921 | 17.316 | 42.622 | 35774.113 | 41927.332 | 27.072 | 28.511 | 27.953 | 1.019 |
| 10/9/2017 12:45 | 398700 | 18.922 | 17.316 | 42.623 | 35786.461 | 41941.801 | 27.082 | 28.52  | 27.944 | 1.019 |
| 10/9/2017 13:00 | 399600 | 18.923 | 17.316 | 42.626 | 35779.332 | 41933.281 | 27.076 | 28.515 | 27.949 | 1.019 |
| 10/9/2017 13:15 | 400500 | 18.92  | 17.317 | 42.618 | 35783.754 | 41938.301 | 27.08  | 28.518 | 27.946 | 1.019 |
| 10/9/2017 13:30 | 401400 | 18.925 | 17.316 | 42.629 | 35784.992 | 41940.176 | 27.081 | 28.519 | 27.945 | 1.019 |
| 10/9/2017 13:45 | 402300 | 18.919 | 17.317 | 42.617 | 35824.141 | 41985.227 | 27.113 | 28.55  | 27.914 | 1.019 |
| 10/9/2017 14:00 | 403200 | 18.92  | 17.317 | 42.618 | 35805.145 | 41963.129 | 27.097 | 28.535 | 27.929 | 1.019 |
| 10/9/2017 14:15 | 404100 | 18.916 | 17.317 | 42.61  | 35802.063 | 41959.352 | 27.095 | 28.532 | 27.931 | 1.019 |
| 10/9/2017 14:30 | 405000 | 18.919 | 17.317 | 42.617 | 35793.141 | 41949.059 | 27.087 | 28.525 | 27.938 | 1.019 |
| 10/9/2017 14:45 | 405900 | 18.918 | 17.317 | 42.615 | 35805.457 | 41963.574 | 27.098 | 28.535 | 27.929 | 1.019 |
| 10/9/2017 15:00 | 406800 | 18.92  | 17.317 | 42.619 | 35799.633 | 41956.578 | 27.093 | 28.53  | 27.933 | 1.019 |
| 10/9/2017 15:15 | 407700 | 18.923 | 17.317 | 42.625 | 35822.48  | 41983.613 | 27.112 | 28.549 | 27.915 | 1.019 |
| 10/9/2017 15:30 | 408600 | 18.921 | 17.317 | 42.622 | 35817.984 | 41978.418 | 27.108 | 28.545 | 27.919 | 1.019 |
| 10/9/2017 15:45 | 409500 | 18.92  | 17.317 | 42.619 | 35803.176 | 41960.82  | 27.096 | 28.533 | 27.93  | 1.019 |
| 10/9/2017 16:00 | 410400 | 18.919 | 17.316 | 42.617 | 35799.57  | 41957.332 | 27.093 | 28.531 | 27.933 | 1.019 |
| 10/9/2017 16:15 | 411300 | 18.923 | 17.316 | 42.626 | 35857.848 | 42025.797 | 27.142 | 28.578 | 27.888 | 1.019 |
| 10/9/2017 16:30 | 412200 | 18.917 | 17.316 | 42.613 | 35857.379 | 42024.918 | 27.142 | 28.577 | 27.888 | 1.019 |
| 10/9/2017 16:45 | 413100 | 18.922 | 17.316 | 42.623 | 35818.957 | 41980.219 | 27.11  | 28.547 | 27.918 | 1.019 |
| 10/9/2017 17:00 | 414000 | 18.921 | 17.316 | 42.621 | 35847.949 | 42014.199 | 27.134 | 28.57  | 27.896 | 1.019 |
| 10/9/2017 17:15 | 414900 | 18.919 | 17.316 | 42.617 | 35819.961 | 41981.156 | 27.11  | 28.547 | 27.917 | 1.019 |
| 10/9/2017 17:30 | 415800 | 18.919 | 17.317 | 42.617 | 35814.477 | 41974.234 | 27.105 | 28.542 | 27.922 | 1.019 |
| 10/9/2017 17:45 | 416700 | 18.92  | 17.317 | 42.62  | 35820.09  | 41980.98  | 27.11  | 28.547 | 27.917 | 1.019 |
| 10/9/2017 18:00 | 417600 | 18.916 | 17.317 | 42.611 | 35834.398 | 41997.25  | 27.122 | 28.558 | 27.906 | 1.019 |
| 10/9/2017 18:15 | 418500 | 18.916 | 17.317 | 42.61  | 35822.559 | 41983.875 | 27.112 | 28.549 | 27.915 | 1.019 |
| 10/9/2017 18:30 | 419400 | 18.917 | 17.318 | 42.613 | 35816.34  | 41975.594 | 27.106 | 28.543 | 27.92  | 1.019 |
| 10/9/2017 18:45 | 420300 | 18.923 | 17.317 | 42.626 | 35806.453 | 41964.34  | 27.098 | 28.536 | 27.928 | 1.019 |
| 10/9/2017 19:00 | 421200 | 18.919 | 17.317 | 42.617 | 35820.051 | 41980.84  | 27.11  | 28.547 | 27.917 | 1.019 |
| 10/9/2017 19:15 | 422100 | 18.92  | 17.317 | 42.618 | 35831.414 | 41994.086 | 27.12  | 28.556 | 27.908 | 1.019 |
| 10/9/2017 19:30 | 423000 | 18.916 | 17.317 | 42.61  | 35823.16  | 41984.152 | 27.112 | 28.549 | 27.915 | 1.019 |
| 10/9/2017 19:45 | 423900 | 18.919 | 17.317 | 42.617 | 35805.313 | 41963.566 | 27.098 | 28.535 | 27.929 | 1.019 |
| 10/9/2017 20:00 | 424800 | 18.918 | 17.317 | 42.614 | 35805.207 | 41963.371 | 27.098 | 28.535 | 27.929 | 1.019 |
| 10/9/2017 20:15 | 425700 | 18.918 | 17.317 | 42.616 | 35800.273 | 41957.496 | 27.093 | 28.531 | 27.933 | 1.019 |
| 10/9/2017 20:30 | 426600 | 18.914 | 17.316 | 42.605 | 35806.328 | 41965.34  | 27.099 | 28.536 | 27.928 | 1.019 |
| 10/9/2017 20:45 | 427500 | 18.919 | 17.316 | 42.617 | 35792.934 | 41949.309 | 27.087 | 28.526 | 27.938 | 1.019 |
| 10/9/2017 21:00 | 428400 | 18.919 | 17.316 | 42.617 | 35785.047 | 41940.066 | 27.081 | 28.519 | 27.945 | 1.019 |
| 10/9/2017 21:15 | 429300 | 18.92  | 17.316 | 42.62  | 35789.754 | 41945.828 | 27.085 | 28.523 | 27.941 | 1.019 |
| 10/9/2017 21:30 | 430200 | 18.921 | 17.316 | 42.622 | 35771.184 | 41924.227 | 27.07  | 28.508 | 27.955 | 1.019 |
| 10/9/2017 21:45 | 431100 | 18.919 | 17.316 | 42.617 | 35769.723 | 41922.68  | 27.068 | 28.507 | 27.957 | 1.019 |
| 10/9/2017 22:00 | 432000 | 18.917 | 17.316 | 42.612 | 35767.191 | 41919.875 | 27.066 | 28.506 | 27.959 | 1.019 |
| 10/9/2017 22:15 | 432900 | 18.917 | 17.315 | 42.611 | 35775.203 | 41929.359 | 27.073 | 28.512 | 27.952 | 1.019 |
| 10/9/2017 22:30 | 433800 | 18.918 | 17.315 | 42.616 | 35791.91  | 41948.941 | 27.087 | 28.525 | 27.939 | 1.019 |
| 10/9/2017 22:45 | 434700 | 18.922 | 17.315 | 42.624 | 35774.66  | 41928.887 | 27.073 | 28.512 | 27.953 | 1.019 |
| 10/9/2017 23:00 | 435600 | 18.916 | 17.315 | 42.611 | 35781.957 | 41937.441 | 27.079 | 28.517 | 27.947 | 1.019 |
| 10/9/2017 23:15 | 436500 | 18.92  | 17.315 | 42.618 | 35758.313 | 41909.633 | 27.059 | 28.499 | 27.966 | 1.019 |
| 10/9/2017 23:30 | 437400 | 18.921 | 17.315 | 42.622 | 35768.227 | 41921.422 | 27.067 | 28.507 | 27.958 | 1.019 |
| 10/9/2017 23:45 | 438300 | 18.918 | 17.316 | 42.616 | 35746.176 | 41895.176 | 27.049 | 28.489 | 27.975 | 1.019 |
| 10/10/2017 0:00 | 439200 | 18.92  | 17.315 | 42.62  | 35769.094 | 41922.199 | 27.068 | 28.507 | 27.957 | 1.019 |
| 10/10/2017 0:15 | 440100 | 18.92  | 17.315 | 42.62  | 35791.254 | 41948.242 | 27.087 | 28.525 | 27.94  | 1.019 |
| 10/10/2017 0:30 | 441000 | 18.922 | 17.315 | 42.623 | 35785.152 | 41941.258 | 27.082 | 28.52  | 27.945 | 1.019 |
| 10/10/2017 0:45 | 441900 | 18.924 | 17.315 | 42.629 | 35797.918 | 41956.148 | 27.092 | 28.53  | 27.935 | 1.019 |
| 10/10/2017 1:00 | 442800 | 18.922 | 17.316 | 42.623 | 35785.23  | 41940.359 | 27.081 | 28.519 | 27.944 | 1.019 |
| 10/10/2017 1:15 | 443700 | 18.919 | 17.316 | 42.617 | 35757.883 | 41908.898 | 2      |        |        |       |

|                    |        |        |        |        |           |           |        |        |        |       |
|--------------------|--------|--------|--------|--------|-----------|-----------|--------|--------|--------|-------|
| 10/10/2017 23:30   | 523800 | 18.947 | 17.314 | 42.681 | 35834.16  | 41999.605 | 27.123 | 28.56  | 27.906 | 1.019 |
| 10/10/2017 23:45   | 524700 | 18.943 | 17.315 | 42.671 | 35823.645 | 41986.699 | 27.114 | 28.551 | 27.915 | 1.019 |
| 10/11/2017 0:00    | 525600 | 18.946 | 17.315 | 42.677 | 35818.797 | 41981.27  | 27.11  | 28.547 | 27.918 | 1.019 |
| 10/11/2017 0:15    | 526500 | 18.947 | 17.315 | 42.681 | 35811.004 | 41971.887 | 27.104 | 28.541 | 27.924 | 1.019 |
| 10/11/2017 0:30    | 527400 | 18.95  | 17.315 | 42.687 | 35810.742 | 41971.672 | 27.103 | 28.541 | 27.925 | 1.019 |
| 10/11/2017 0:45    | 528300 | 18.946 | 17.315 | 42.678 | 35844.148 | 42010.402 | 27.131 | 28.567 | 27.899 | 1.019 |
| 10/11/2017 1:00    | 529200 | 18.945 | 17.315 | 42.676 | 35819.344 | 41981.41  | 27.11  | 28.547 | 27.918 | 1.019 |
| 10/11/2017 1:15    | 530100 | 18.949 | 17.315 | 42.684 | 35813.039 | 41974.023 | 27.105 | 28.542 | 27.923 | 1.019 |
| 10/11/2017 1:30    | 531000 | 18.944 | 17.314 | 42.674 | 35807.633 | 41968.516 | 27.101 | 28.539 | 27.927 | 1.019 |
| 10/11/2017 1:45    | 531900 | 18.948 | 17.315 | 42.683 | 35819.809 | 41981.957 | 27.111 | 28.548 | 27.918 | 1.019 |
| 10/11/2017 2:00    | 532800 | 18.949 | 17.316 | 42.684 | 35808.332 | 41968.094 | 27.101 | 28.538 | 27.926 | 1.019 |
| 10/11/2017 2:15    | 533700 | 18.945 | 17.315 | 42.676 | 35811.18  | 41971.844 | 27.104 | 28.541 | 27.924 | 1.019 |
| 10/11/2017 2:30    | 534600 | 18.95  | 17.316 | 42.686 | 35811.434 | 41971.66  | 27.103 | 28.541 | 27.924 | 1.019 |
| 10/11/2017 2:45    | 535500 | 18.953 | 17.315 | 42.693 | 35824.262 | 41986.93  | 27.114 | 28.551 | 27.914 | 1.019 |
| 10/11/2017 3:00    | 536400 | 18.947 | 17.315 | 42.681 | 35814.516 | 41976     | 27.107 | 28.544 | 27.922 | 1.019 |
| 10/11/2017 3:15    | 537300 | 18.95  | 17.315 | 42.687 | 35830.027 | 41994.098 | 27.119 | 28.556 | 27.91  | 1.019 |
| 10/11/2017 3:30    | 538200 | 18.952 | 17.316 | 42.692 | 35829.27  | 41992.141 | 27.118 | 28.555 | 27.91  | 1.019 |
| 10/11/2017 3:45    | 539100 | 18.948 | 17.316 | 42.683 | 35835.633 | 42000.09  | 27.124 | 28.56  | 27.905 | 1.019 |
| 10/11/2017 4:00    | 540000 | 18.953 | 17.315 | 42.694 | 35835.141 | 41999.848 | 27.124 | 28.56  | 27.906 | 1.019 |
| 10/11/2017 4:15    | 540900 | 18.947 | 17.316 | 42.68  | 35838.023 | 42002.484 | 27.126 | 28.562 | 27.903 | 1.019 |
| 10/11/2017 4:30    | 541800 | 18.948 | 17.315 | 42.682 | 35863.754 | 42033.309 | 27.148 | 28.583 | 27.883 | 1.019 |
| 10/11/2017 4:45    | 542700 | 18.951 | 17.315 | 42.69  | 35840.711 | 42006.453 | 27.128 | 28.564 | 27.901 | 1.019 |
| 10/11/2017 5:00    | 543600 | 18.95  | 17.315 | 42.687 | 35853.684 | 42021.578 | 27.139 | 28.575 | 27.891 | 1.019 |
| 10/11/2017 5:15    | 544500 | 18.95  | 17.315 | 42.686 | 35848.516 | 42015.852 | 27.135 | 28.571 | 27.895 | 1.019 |
| 10/11/2017 5:30    | 545400 | 18.95  | 17.315 | 42.688 | 35856.762 | 42025.77  | 27.142 | 28.578 | 27.889 | 1.019 |
| 10/11/2017 5:45    | 546300 | 18.953 | 17.315 | 42.694 | 35827.777 | 41991.711 | 27.118 | 28.554 | 27.911 | 1.019 |
| 10/11/2017 6:00    | 547200 | 18.947 | 17.314 | 42.679 | 35819.922 | 41982.832 | 27.111 | 28.548 | 27.917 | 1.019 |
| 10/11/2017 6:15    | 548100 | 18.95  | 17.315 | 42.686 | 35846.051 | 42013.055 | 27.133 | 28.569 | 27.897 | 1.019 |
| 10/11/2017 6:30    | 549000 | 18.947 | 17.314 | 42.681 | 35827.648 | 41992.219 | 27.118 | 28.555 | 27.911 | 1.019 |
| 10/11/2017 6:45    | 549900 | 18.946 | 17.314 | 42.678 | 35857.73  | 42027.391 | 27.143 | 28.579 | 27.888 | 1.019 |
| 10/11/2017 7:00    | 550800 | 18.95  | 17.315 | 42.687 | 35840.422 | 42006.617 | 27.128 | 28.565 | 27.901 | 1.019 |
| 10/11/2017 7:15    | 551700 | 18.95  | 17.313 | 42.688 | 35820.578 | 41984.434 | 27.112 | 28.549 | 27.917 | 1.019 |
| 10/11/2017 7:30    | 552600 | 18.947 | 17.314 | 42.679 | 35824.863 | 41988.867 | 27.116 | 28.552 | 27.914 | 1.019 |
| 10/11/2017 7:45    | 553500 | 18.951 | 17.315 | 42.69  | 35813.414 | 41974.805 | 27.106 | 28.543 | 27.922 | 1.019 |
| 10/11/2017 8:00    | 554400 | 18.95  | 17.315 | 42.686 | 35844.141 | 42010.473 | 27.131 | 28.567 | 27.899 | 1.019 |
| 10/11/2017 8:15    | 555300 | 18.948 | 17.315 | 42.682 | 35860.613 | 42030.281 | 27.145 | 28.581 | 27.886 | 1.019 |
| 10/11/2017 8:30    | 556200 | 18.95  | 17.315 | 42.687 | 35810.297 | 41970.973 | 27.103 | 28.54  | 27.925 | 1.019 |
| 10/11/2017 8:45    | 557100 | 18.945 | 17.315 | 42.676 | 35825.07  | 41987.969 | 27.115 | 28.552 | 27.913 | 1.019 |
| 10/11/2017 9:00    | 558000 | 18.948 | 17.316 | 42.683 | 35837.031 | 42001.73  | 27.125 | 28.561 | 27.904 | 1.019 |
| 10/11/2017 9:15    | 558900 | 18.945 | 17.317 | 42.676 | 35828.996 | 41991.418 | 27.118 | 28.554 | 27.91  | 1.019 |
| 10/11/2017 9:30    | 559800 | 18.953 | 17.316 | 42.693 | 35849.941 | 42016.293 | 27.135 | 28.571 | 27.894 | 1.019 |
| 10/11/2017 9:45    | 560700 | 18.945 | 17.316 | 42.676 | 35825.211 | 41987.051 | 27.115 | 28.551 | 27.913 | 1.019 |
| 10/11/2017 10:00   | 561600 | 18.947 | 17.316 | 42.679 | 35844.508 | 42009.832 | 27.131 | 28.567 | 27.898 | 1.019 |
| 10/11/2017 10:15   | 562500 | 18.948 | 17.316 | 42.683 | 35837.746 | 42002     | 27.125 | 28.561 | 27.904 | 1.019 |
| 10/11/2017 10:30   | 563400 | 18.948 | 17.316 | 42.682 | 35817.391 | 41978.219 | 27.108 | 28.545 | 27.919 | 1.019 |
| 10/11/2017 10:45   | 564300 | 18.943 | 17.316 | 42.67  | 35821.453 | 41982.734 | 27.111 | 28.548 | 27.916 | 1.019 |
| 10/11/2017 11:00   | 565200 | 18.947 | 17.316 | 42.68  | 35821.742 | 41982.988 | 27.112 | 28.548 | 27.916 | 1.019 |
| 10/11/2017 11:15   | 566100 | 18.947 | 17.316 | 42.679 | 35847.781 | 42013.922 | 27.134 | 28.569 | 27.896 | 1.019 |
| 10/11/2017 11:30   | 567000 | 18.944 | 17.316 | 42.674 | 35791.219 | 41947.875 | 27.086 | 28.525 | 27.94  | 1.019 |
| 10/11/2017 11:45   | 567900 | 18.94  | 17.316 | 42.664 | 35839.34  | 42004.027 | 27.127 | 28.563 | 27.902 | 1.019 |
| 10/11/2017 12:00   | 568800 | 18.941 | 17.316 | 42.668 | 35836.891 | 42001.332 | 27.125 | 28.561 | 27.904 | 1.019 |
| 10/11/2017 12:15   | 569700 | 18.943 | 17.316 | 42.67  | 35843.828 | 42009.367 | 27.13  | 28.566 | 27.899 | 1.019 |
| 10/11/2017 12:30   | 570600 | 18.942 | 17.315 | 42.668 | 35861.195 | 42030.145 | 27.145 | 28.58  | 27.885 | 1.019 |
| 10/11/2017 12:45   | 571500 | 18.94  | 17.316 | 42.664 | 35824.414 | 41986.707 | 27.114 | 28.551 | 27.914 | 1.019 |
| 10/11/2017 13:00   | 572400 | 18.944 | 17.316 | 42.674 | 35832.004 | 41995.605 | 27.121 | 28.557 | 27.908 | 1.019 |
| 10/11/2017 13:15   | 573300 | 18.951 | 17.316 | 42.688 | 35856.875 | 42024.66  | 27.141 | 28.577 | 27.889 | 1.019 |
| 10/11/2017 13:30   | 574200 | 18.943 | 17.315 | 42.67  | 35839.918 | 42005.609 | 27.128 | 28.564 | 27.902 | 1.019 |
| 10/11/2017 13:45   | 575100 | 18.942 | 17.316 | 42.669 | 35847.801 | 42013.859 | 27.134 | 28.569 | 27.896 | 1.019 |
| 10/11/2017 14:00   | 576000 | 18.937 | 17.316 | 42.659 | 35846.848 | 42013.164 | 27.133 | 28.569 | 27.896 | 1.019 |
| 10/11/2017 14:15   | 576900 | 18.944 | 17.316 | 42.673 | 35857.09  | 42025.238 | 27.142 | 28.577 | 27.888 | 1.019 |
| 10/11/2017 14:30   | 577800 | 18.944 | 17.315 | 42.674 | 35859.031 | 42027.609 | 27.144 | 28.579 | 27.887 | 1.019 |
| 10/11/2017 14:45   | 578700 | 18.943 | 17.316 | 42.67  | 35841.219 | 42006.473 | 27.128 | 28.564 | 27.901 | 1.019 |
| 10/11/2017 15:00   | 579600 | 18.944 | 17.316 | 42.672 | 35806     | 41965.195 | 27.099 | 28.536 | 27.928 | 1.019 |
| 10/11/2017 15:15   | 580500 | 18.94  | 17.315 | 42.664 | 35855.094 | 42023.16  | 27.14  | 28.576 | 27.89  | 1.019 |
| 10/11/2017 15:30   | 581400 | 18.942 | 17.316 | 42.668 | 35850.832 | 42017.34  | 27.136 | 28.572 | 27.893 | 1.019 |
| 10/11/2017 15:45   | 582300 | 18.946 | 17.316 | 42.677 | 35851.535 | 42018.402 | 27.137 | 28.573 | 27.893 | 1.019 |
| 10/11/2017 16:00   | 583200 | 18.941 | 17.316 | 42.668 | 35850.121 | 42016.504 | 27.136 | 28.571 | 27.894 | 1.019 |
| 10/11/2017 16:15   | 584100 | 18.94  | 17.316 | 42.664 | 35848.008 | 42014.188 | 27.134 | 28.57  | 27.896 | 1.019 |
| 10/11/2017 16:30   | 585000 | 18.94  | 17.316 | 42.665 | 35874.715 | 42045.156 | 27.156 | 28.591 | 27.875 | 1.019 |
| 10/11/2017 16:45   | 585900 | 18.943 | 17.316 | 42.67  | 35845.086 | 42010.938 | 27.132 | 28.567 | 27.898 | 1.019 |
| 10/11/2017 17:00   | 586800 | 18.943 | 17.316 | 42.671 | 35839.496 | 42004.453 | 27.127 | 28.563 | 27.902 | 1.019 |
| 10/11/2017 17:15   | 587700 | 18.941 | 17.316 | 42.666 | 35861.465 | 42030.297 | 27.145 | 28.581 | 27.885 | 1.019 |
| 10/11/2017 17:30   | 588600 | 18.947 | 17.316 | 42.679 | 35870.148 | 42040.137 | 27.153 | 28.587 | 27.878 | 1.019 |
| 10/11/2017 17:45   | 589500 | 18.94  | 17.316 | 42.664 | 35864.707 | 42033.602 | 27.148 | 28.583 | 27.883 | 1.019 |
| 10/11/2017 18:00   | 590400 | 18.939 | 17.316 | 42.662 | 35842.535 | 42007.688 | 27.129 | 28.565 | 27.9   | 1.019 |
| 10/11/2017 18:15   | 591300 | 18.941 | 17.317 | 42.666 | 35842.965 | 42007.789 | 27.129 | 28.565 | 27.899 | 1.019 |
| 10/11/2017 18:30   | 592200 | 18.944 | 17.316 | 42.674 | 35866.176 | 42035.48  | 27.149 | 28.584 | 27.881 | 1.019 |
| 10/11/2017 18:45   | 593100 | 18.945 | 17.316 | 42.675 | 35860.984 | 42029.063 | 27.145 | 28.58  | 27.885 | 1.019 |
| 10/11/2017 19:00   | 594000 | 18.944 | 17.316 | 42.672 | 35858.328 | 42025.949 | 27.142 | 28.578 | 27.888 | 1.019 |
| 10/11/2017 19:15   | 594900 | 18.948 | 17.316 | 42.682 | 35873.328 | 42043.777 | 27.155 | 28.59  | 27.876 | 1.019 |
| 10/11/2017 19:30   | 595800 | 18.942 | 17.316 | 42.669 | 35859.355 | 42027.402 | 27.143 | 28.579 | 27.887 | 1.019 |
| 10/11/2017 19:45   | 596700 | 18.945 | 17.315 | 42.675 | 35877.945 | 42050.258 | 27.16  | 28.594 | 27.872 | 1.019 |
| 10/11/2017 20:00   | 597600 | 18.948 | 17.315 | 42.682 | 35866.25  | 42036.637 | 27.15  | 28.585 | 27.881 | 1.019 |
| 10/11/2017 20:15   | 598500 | 18.947 | 17.315 | 42.68  | 35856.145 | 42025.125 | 27.142 | 28.577 | 27.889 | 1.019 |
| 10/11/2017 20:30   | 599400 | 18.95  | 17.315 | 42.686 | 35865.574 | 42035.594 | 27.149 | 28.584 | 27.882 | 1.019 |
| 10/11/2017 20:45   | 600300 | 18.947 | 17.314 | 42.681 | 35882.801 | 42057.113 | 27.165 | 28.599 | 27.869 | 1.019 |
| 10/11/2017 21:00   | 601200 | 18.955 | 17.313 | 42.698 | 35879.277 | 42053.973 | 27.162 | 28.597 | 27.871 | 1.019 |
| 10/11/2017 21:15   | 602100 | 18.956 | 17.313 | 42.7   | 35838.355 | 42005.68  | 27.128 | 28.564 | 27.903 | 1.019 |
| 10/11/2017 21:30   | 603000 | 18.949 | 17.313 | 42.684 | 35865.281 | 42037.652 | 27.151 | 28.586 | 27.882 | 1.019 |
| 10/11/2017 21:45</ |        |        |        |        |           |           |        |        |        |       |

Report Date: 10/13/2017 8:35  
Report User Name: WMassoll  
Report Computer Name: WKST52  
Application: WinSitu.exe  
Application Version: 5.6.27.1

Log File Properties  
File Name: MPWSP MW-4D LT TEST\_2017-10-12\_09-50-04-225.wsl  
Create Date: 10/12/2017 9:49

Device Properties  
Device: Aqua TROLL 200  
Site: MPWSP MW-4D  
Device Name:  
Serial Number: 483442  
Firmware Version: 2.01  
Hardware Version: 4  
Device Address: 1  
Device Comm Cfg: 19200 8 Even 1 (Modbus-RTU)  
Used Memory: 0  
Used Battery: 7

Log Configuration  
Log Name: MPWSP MW-4D LT TEST  
Created By: WMassoll  
Computer Name: PROBOOK2  
Application: WinSitu.exe  
Application Version: 5.6.27.1  
Create Date: 9/29/2017 11:12:58 AM Pacific Daylight Time  
Log Setup Time Zone: Pacific Daylight Time  
Notes Size(bytes): 4096  
Overwrite when full: Enabled  
Scheduled Start Time: 9/29/2017 11:30:00 AM Pacific Daylight Time  
Scheduled Stop Time: No Stop Time  
Type: Linear  
Interval: Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation  
Level Measurement Mode: Depth  
Specific Gravity: 1.024

Other Log Settings  
Depth of Probe: 0.954035 (ft)  
Head Pressure: 0.423527 (PSI)  
Temperature: 19.4979 (C)  
Specific Conductivity Model: Standard Methods  
Reference Temperature: 25  
Temperature Coefficient: 0.0191  
TDS Factor: 0.68

Log Notes:  
Date and Time: Note  
9/29/2017 11:13 Used Battery: 7% Used Memory: 3% User Name: WMassoll  
9/29/2017 11:54 Log Download - Used Battery: 7% Used Memory: 3% User Name: WMassoll  
10/5/2017 18:31 Log Download - Used Battery: 8% Used Memory: 3% User Name: WMassoll Interval - Start Time: 8/31/2017 11:30:00 AM Stop Time: 10/5/2017 6:30:00 PM  
10/12/2017 9:49 Log Download - Used Battery: 8% Used Memory: 3% User Name: AVanHaitsma Interval - Start Time: 10/4/2017 10:00:00 PM Stop Time: 10/12/2017 11:45:00 AM

Log Data:  
Record Count: 720

Sensors: 1  
1 483442 PCTD 300 PSIG (211m/692ft)

Time Zone: Pacific Daylight Time

| Date and Time   | Elapsed Time<br>Seconds | Sensor: PCTD(G) 692ft         | Sensor: PCTD(G) 692ft          | Sensor: PCTD(G) 692ft     | Sensor: PCTD(G) 692ft                      | Sensor: PCTD(G) 692ft                        | Sensor: PCTD(G) 692ft         | Sensor: PCTD(G) 692ft                       | Sensor: PCTD(G) 692ft               | Sensor: PCTD(G) 692ft                |
|-----------------|-------------------------|-------------------------------|--------------------------------|---------------------------|--------------------------------------------|----------------------------------------------|-------------------------------|---------------------------------------------|-------------------------------------|--------------------------------------|
|                 |                         | SN#: 483442<br>Pressure (PSI) | SN#: 483442<br>Temperature (C) | SN#: 483442<br>Depth (ft) | SN#: 483442<br>Actual Conductivity (µS/cm) | SN#: 483442<br>Specific Conductivity (µS/cm) | SN#: 483442<br>Salinity (PSU) | SN#: 483442<br>Total Dissolved Solids (ppt) | SN#: 483442<br>Resistivity (ohm-cm) | SN#: 483442<br>Water Density (g/cm3) |
| 10/5/2017 0:00  | 7200                    | 119.382                       | 20.386                         | 268.92                    | 38605.914                                  | 42336.754                                    | 27.494                        | 28.789                                      | 25.903                              | 1.019                                |
| 10/5/2017 0:15  | 8100                    | 119.383                       | 20.389                         | 268.923                   | 38622.395                                  | 42352.188                                    | 27.505                        | 28.799                                      | 25.892                              | 1.019                                |
| 10/5/2017 0:30  | 9000                    | 119.358                       | 20.389                         | 268.866                   | 38662.98                                   | 42397.238                                    | 27.538                        | 28.83                                       | 25.865                              | 1.019                                |
| 10/5/2017 0:45  | 9900                    | 119.355                       | 20.388                         | 268.858                   | 38630.605                                  | 42361.973                                    | 27.512                        | 28.806                                      | 25.886                              | 1.019                                |
| 10/5/2017 1:00  | 10800                   | 119.341                       | 20.389                         | 268.827                   | 38608.047                                  | 42336.773                                    | 27.494                        | 28.789                                      | 25.901                              | 1.019                                |
| 10/5/2017 1:15  | 11700                   | 119.335                       | 20.389                         | 268.814                   | 38636.391                                  | 42367.535                                    | 27.516                        | 28.81                                       | 25.882                              | 1.019                                |
| 10/5/2017 1:30  | 12600                   | 119.323                       | 20.388                         | 268.786                   | 38613.848                                  | 42343.988                                    | 27.499                        | 28.794                                      | 25.897                              | 1.019                                |
| 10/5/2017 1:45  | 13500                   | 119.294                       | 20.386                         | 268.721                   | 38605.012                                  | 42335.848                                    | 27.493                        | 28.788                                      | 25.903                              | 1.019                                |
| 10/5/2017 2:00  | 14400                   | 119.279                       | 20.389                         | 268.689                   | 38632.375                                  | 42363.676                                    | 27.514                        | 28.807                                      | 25.885                              | 1.019                                |
| 10/5/2017 2:15  | 15300                   | 119.26                        | 20.391                         | 268.645                   | 38626.648                                  | 42355.543                                    | 27.508                        | 28.802                                      | 25.889                              | 1.019                                |
| 10/5/2017 2:30  | 16200                   | 119.233                       | 20.39                          | 268.583                   | 38615.199                                  | 42343.914                                    | 27.499                        | 28.794                                      | 25.897                              | 1.019                                |
| 10/5/2017 2:45  | 17100                   | 119.218                       | 20.388                         | 268.551                   | 38627.016                                  | 42358.578                                    | 27.51                         | 28.804                                      | 25.889                              | 1.019                                |
| 10/5/2017 3:00  | 18000                   | 119.189                       | 20.389                         | 268.485                   | 38595.563                                  | 42322.766                                    | 27.484                        | 28.779                                      | 25.91                               | 1.019                                |
| 10/5/2017 3:15  | 18900                   | 119.177                       | 20.389                         | 268.457                   | 38649.871                                  | 42382.484                                    | 27.527                        | 28.82                                       | 25.873                              | 1.019                                |
| 10/5/2017 3:30  | 19800                   | 119.147                       | 20.389                         | 268.391                   | 38595.73                                   | 42323.113                                    | 27.484                        | 28.78                                       | 25.91                               | 1.019                                |
| 10/5/2017 3:45  | 20700                   | 119.128                       | 20.388                         | 268.346                   | 38645.488                                  | 42378.914                                    | 27.525                        | 28.818                                      | 25.876                              | 1.019                                |
| 10/5/2017 4:00  | 21600                   | 119.099                       | 20.387                         | 268.282                   | 38598.824                                  | 42328.203                                    | 27.488                        | 28.783                                      | 25.908                              | 1.019                                |
| 10/5/2017 4:15  | 22500                   | 119.093                       | 20.386                         | 268.268                   | 38613.32                                   | 42344.648                                    | 27.5                          | 28.794                                      | 25.898                              | 1.019                                |
| 10/5/2017 4:30  | 23400                   | 119.081                       | 20.387                         | 268.241                   | 38632.633                                  | 42364.969                                    | 27.515                        | 28.808                                      | 25.885                              | 1.019                                |
| 10/5/2017 4:45  | 24300                   | 119.064                       | 20.386                         | 268.204                   | 38648.762                                  | 42383.742                                    | 27.528                        | 28.821                                      | 25.874                              | 1.019                                |
| 10/5/2017 5:00  | 25200                   | 119.056                       | 20.386                         | 268.186                   | 38613.902                                  | 42345.598                                    | 27.501                        | 28.795                                      | 25.897                              | 1.019                                |
| 10/5/2017 5:15  | 26100                   | 119.052                       | 20.388                         | 268.175                   | 38608.727                                  | 42338.129                                    | 27.495                        | 28.79                                       | 25.901                              | 1.019                                |
| 10/5/2017 5:30  | 27000                   | 119.037                       | 20.388                         | 268.142                   | 38601.629                                  | 42330.117                                    | 27.489                        | 28.784                                      | 25.906                              | 1.019                                |
| 10/5/2017 5:45  | 27900                   | 119.048                       | 20.387                         | 268.168                   | 38585.219                                  | 42313.363                                    | 27.477                        | 28.773                                      | 25.917                              | 1.019                                |
| 10/5/2017 6:00  | 28800                   | 119.045                       | 20.389                         | 268.161                   | 38639.457                                  | 42371.063                                    | 27.519                        | 28.812                                      | 25.88                               | 1.019                                |
| 10/5/2017 6:15  | 29700                   | 119.049                       | 20.387                         | 268.17                    | 38615.512                                  | 42346.422                                    | 27.501                        | 28.796                                      | 25.896                              | 1.019                                |
| 10/5/2017 6:30  | 30600                   | 119.061                       | 20.388                         | 268.196                   | 38615.027                                  | 42345.281                                    | 27.5                          | 28.795                                      | 25.897                              | 1.019                                |
| 10/5/2017 6:45  | 31500                   | 119.062                       | 20.39                          | 268.198                   | 38606.996                                  | 42334.844                                    | 27.493                        | 28.788                                      | 25.902                              | 1.019                                |
| 10/5/2017 7:00  | 32400                   | 119.075                       | 20.389                         | 268.227                   | 38601.723                                  | 42330.137                                    | 27.489                        | 28.784                                      | 25.906                              | 1.019                                |
| 10/5/2017 7:15  | 33300                   | 119.093                       | 20.388                         | 268.268                   | 38614.461                                  | 42344.734                                    | 27.5                          | 28.794                                      | 25.897                              | 1.019                                |
| 10/5/2017 7:30  | 34200                   | 119.104                       | 20.387                         | 268.294                   | 38618.547                                  | 42349.75                                     | 27.504                        | 28.798                                      | 25.894                              | 1.019                                |
| 10/5/2017 7:45  | 35100                   | 119.135                       | 20.387                         | 268.364                   | 38643.309                                  | 42377.379                                    | 27.523                        | 28.817                                      | 25.878                              | 1.019                                |
| 10/5/2017 8:00  | 36000                   | 119.153                       | 20.386                         | 268.403                   | 38595.145                                  | 42325.102                                    | 27.486                        | 28.781                                      | 25.91                               | 1.019                                |
| 10/5/2017 8:15  | 36900                   | 119.171                       | 20.386                         | 268.445                   | 38613.441                                  | 42345.32                                     | 27.5                          | 28.795                                      | 25.898                              | 1.019                                |
| 10/5/2017 8:30  | 37800                   | 119.19                        | 20.387                         | 268.488                   | 38629.281                                  | 42362.07                                     | 27.512                        | 28.806                                      | 25.887                              | 1.019                                |
| 10/5/2017 8:45  | 38700                   | 119.213                       | 20.387                         | 268.54                    | 38610.195                                  | 42340.441                                    | 27.497                        | 28.792                                      | 25.9                                | 1.019                                |
| 10/5/2017 9:00  | 39600                   | 119.237                       | 20.387                         | 268.594                   | 38631.961                                  | 42364.309                                    | 27.514                        | 28.808                                      | 25.885                              | 1.019                                |
| 10/5/2017 9:15  | 40500                   | 119.264                       | 20.388                         | 268.654                   | 38642.047                                  | 42374.832                                    | 27.522                        | 28.815                                      | 25.879                              | 1.019                                |
| 10/5/2017 9:30  | 41400                   | 119.29                        | 20.388                         | 268.713                   | 38621.113                                  | 42352.258                                    | 27.505                        | 28.8                                        | 25.893                              | 1.019                                |
| 10/5/2017 9:45  | 42300                   | 119.315                       | 20.388                         | 268.77                    | 38640.02                                   | 42372.215                                    | 27.52                         | 28.813                                      | 25.88                               | 1.019                                |
| 10/5/2017 10:00 | 43200                   | 119.331                       | 20.389                         | 268.804                   | 38630.691                                  | 42361.828                                    | 27.512                        | 28.806                                      | 25.886                              | 1.019                                |
| 10/5/2017 10:15 | 44100                   | 119.35                        | 20.385                         | 268.848                   | 38626.992                                  | 42361.191                                    | 27.512                        | 28.806                                      | 25.889                              | 1.019                                |
| 10/5/2017 10:30 | 45000                   | 119.366                       | 20.387                         | 268.885                   | 38624.309                                  | 42356.453                                    | 27.508                        | 28.802                                      | 25.89                               | 1.019                                |
| 10/5/2017 10:45 | 45900                   | 119.392                       | 20.387                         | 268.942                   | 38615.508                                  | 42346.496                                    | 27.501                        | 28.796                                      | 25.896                              | 1.019                                |
| 10/5/2017 11:00 | 46800                   | 119.411                       | 20.389                         | 268.985                   | 38623.148                                  | 42352.859                                    | 27.506                        | 28.8                                        | 25.891                              | 1.019                                |
| 10/5/2017 11:15 | 47700                   | 119.415                       | 20.387                         | 268.993                   | 38648.672                                  | 42382.867                                    | 27.527                        | 28.82                                       | 25.874                              | 1.019                                |
| 10/5/2017 11:30 | 48600                   | 119.424                       | 20.392                         | 269.014                   | 38668.648                                  | 42400.66                                     | 27.54                         | 28.832                                      | 25.861                              | 1.019                                |
| 10/5/2017 11:45 | 49500                   | 119.433                       | 20.392                         | 269.034                   | 38631.324                                  | 42359.652                                    | 27.511                        | 28.805                                      | 25.886                              | 1.019                                |
| 10/5/2017 12:00 | 50400                   | 119.433                       | 20.392                         | 269.034                   | 38620.391                                  | 42347.664                                    | 27.502                        | 28.796                                      | 25.893                              | 1.019                                |
| 10/5/2017 12:15 | 51300                   | 119.43                        | 20.393                         | 269.027                   | 38629.465                                  | 42356.688                                    | 27.509                        | 28.803                                      | 25.887                              | 1.019                                |
| 10/5/2017 12:30 | 52200                   | 119.425                       | 20.39                          | 269.016                   | 38630.617                                  | 42360.895                                    | 27.512                        | 28.805                                      | 25.886                              | 1.019                                |
| 10/5/2017 12:45 | 53100                   | 119.422                       | 20.393                         | 269.011                   | 38613.453                                  | 42338.977                                    | 27.496                        | 28.791                                      | 25.898                              | 1.019                                |
| 10/5/2017 13:00 | 54000                   | 119.424                       | 20.39                          | 269.014                   | 38626.402                                  | 42356.125                                    | 27.508                        | 28.802                                      | 25.889                              | 1.019                                |
| 10/5/2017 13:15 | 54900                   | 119.409                       | 20.394                         | 268.981                   | 38665.73                                   | 42395.836                                    | 27.537                        | 28.829                                      | 25.863                              | 1.019                                |
| 10/5/2017 13:30 | 55800                   | 119.39                        | 20.391                         | 268.938                   | 38648.57                                   | 42378.875                                    | 27.525                        | 28.818                                      | 25.874                              | 1.019                                |
| 10/5/2017 13:45 | 56700                   | 119.377                       | 20.395                         | 268.909                   | 38621.813                                  | 42346.516                                    | 27.501                        | 28.796                                      | 25.892                              | 1.019                                |
| 10/5/2017 14:00 | 57600                   | 119.353                       | 20.394                         | 268.854                   | 38591.875                                  | 42314.855                                    | 27.479                        | 28.774                                      | 25.912                              | 1.019                                |
| 10/5/2017 14:15 | 58500                   | 119.347                       | 20.391                         | 268.804                   | 38620.617                                  | 42349.004                                    | 27.503                        | 28.797                                      | 25.893                              | 1.019                                |
| 10/5/2017 14:30 | 59400                   | 119.322                       | 20.392                         | 268.783                   | 38623.848                                  | 42350.914                                    | 27.505                        | 28.799                                      | 25.891                              | 1.019                                |
| 10/5/2017 14:45 | 60300                   | 119.302                       | 20.391                         | 268.74                    | 38626.68                                   | 42355.652                                    | 27.508                        | 28.802                                      | 25.889                              | 1.019                                |
| 10/5/2017 15:00 | 61200                   | 119.277                       | 20.394                         | 268.683                   | 38653.098                                  | 42381.438                                    | 27.527                        | 28.819                                      | 25.871                              | 1.019                                |
| 10/5/2017 15:15 | 62100                   | 119.253                       | 20.393                         | 268.629                   | 38609.297                                  | 42334.039                                    | 27.492                        | 28.787                                      | 25.9                                | 1.019                                |
| 10/5/2017 15:30 | 63000                   | 119.209                       | 20.391                         | 268.529                   | 38641.004                                  | 42371.281                                    | 27.519                        | 28.812                                      | 25.879                              | 1.019                                |
| 10/5/2017 15:45 | 63900                   | 119.211                       | 20.389                         | 268.534                   | 38610.684                                  | 42339.891                                    | 27.496                        | 28.791                                      | 25.9                                | 1.019                                |
| 10/5/2017 16:00 | 64800                   | 119.2                         | 20.388                         | 268.51                    | 38594.574                                  | 42322.926                                    | 27.484                        | 28.78                                       | 25.91                               | 1.019                                |
| 10/5/2017 16:15 | 65700                   | 119.175                       | 20.388                         | 268.453                   | 38643.434                                  | 42376.434                                    | 27.523                        | 28.816                                      | 25.878                              | 1.019                                |
| 10/5/2017 16:30 | 66600                   | 119.155                       | 20.389                         | 268.409                   | 38632.488                                  | 42363.184                                    | 27.513                        | 28.807                                      | 25.885                              | 1.019                                |
| 10/5/2017 16:45 | 67500                   | 119.147                       | 20.389                         | 268.391                   | 38619.668                                  | 42349.441                                    | 27.503                        | 28.798                                      | 25.894                              | 1.019                                |
| 10/5/2017 17:00 | 68400                   | 119.134                       | 20.387                         | 268.362                   | 38600.277                                  | 42329.641                                    | 27.489                        | 28.784                                      | 25.907                              | 1.019                                |
| 10/5/2017 17:15 | 69300                   | 119.115                       | 20.386                         | 268.318                   | 38640                                      | 42373.98                                     | 27.521                        | 28.814                                      | 25.88                               | 1.019                                |
| 10/5/2017 17:30 | 70200                   | 119.099                       | 20.389                         | 268.282                   | 38621.18                                   | 42350.629                                    | 27.504                        | 28.798                                      | 25.893                              | 1.019                                |
| 10/5/2017 17:45 | 71100                   | 119.091                       | 20.391                         | 268.264                   | 38629.918                                  | 42358.422                                    |                               |                                             |                                     |                                      |

|                 |        |         |        |         |           |           |        |        |        |       |
|-----------------|--------|---------|--------|---------|-----------|-----------|--------|--------|--------|-------|
| 10/6/2017 1:15  | 98100  | 119.419 | 20.387 | 269.003 | 38601.707 | 42331.207 | 27.49  | 28.785 | 25.906 | 1.019 |
| 10/6/2017 1:30  | 99000  | 119.402 | 20.387 | 268.964 | 38598.922 | 42328.309 | 27.488 | 28.783 | 25.907 | 1.019 |
| 10/6/2017 1:45  | 99900  | 119.398 | 20.388 | 268.955 | 38630.941 | 42362.883 | 27.513 | 28.807 | 25.886 | 1.019 |
| 10/6/2017 2:00  | 100800 | 119.379 | 20.388 | 268.914 | 38625.871 | 42357.172 | 27.509 | 28.803 | 25.889 | 1.019 |
| 10/6/2017 2:15  | 101700 | 119.359 | 20.389 | 268.868 | 38606.555 | 42334.984 | 27.493 | 28.788 | 25.902 | 1.019 |
| 10/6/2017 2:30  | 102600 | 119.354 | 20.386 | 268.856 | 38587.82  | 42316.758 | 27.48  | 28.775 | 25.915 | 1.019 |
| 10/6/2017 2:45  | 103500 | 119.328 | 20.387 | 268.799 | 38569.332 | 42295.707 | 27.465 | 28.761 | 25.927 | 1.019 |
| 10/6/2017 3:00  | 104400 | 119.295 | 20.388 | 268.725 | 38563.359 | 42288.23  | 27.459 | 28.756 | 25.931 | 1.019 |
| 10/6/2017 3:15  | 105300 | 119.287 | 20.387 | 268.706 | 38617.422 | 42348.824 | 27.503 | 28.797 | 25.895 | 1.019 |
| 10/6/2017 3:30  | 106200 | 119.27  | 20.386 | 268.668 | 38589.133 | 42318.664 | 27.481 | 28.777 | 25.914 | 1.019 |
| 10/6/2017 3:45  | 107100 | 119.251 | 20.385 | 268.624 | 38595.871 | 42327.059 | 27.487 | 28.782 | 25.91  | 1.019 |
| 10/6/2017 4:00  | 108000 | 119.232 | 20.385 | 268.581 | 38602.602 | 42334.207 | 27.492 | 28.787 | 25.905 | 1.019 |
| 10/6/2017 4:15  | 108900 | 119.22  | 20.383 | 268.555 | 38586.27  | 42318.16  | 27.481 | 28.776 | 25.916 | 1.019 |
| 10/6/2017 4:30  | 109800 | 119.193 | 20.385 | 268.494 | 38606.129 | 42338.309 | 27.495 | 28.79  | 25.903 | 1.019 |
| 10/6/2017 4:45  | 110700 | 119.181 | 20.386 | 268.467 | 38597.215 | 42327.215 | 27.487 | 28.783 | 25.909 | 1.019 |
| 10/6/2017 5:00  | 111600 | 119.164 | 20.386 | 268.428 | 38621.695 | 42353.98  | 27.507 | 28.801 | 25.892 | 1.019 |
| 10/6/2017 5:15  | 112500 | 119.147 | 20.39  | 268.391 | 38581.535 | 42306.371 | 27.472 | 28.768 | 25.919 | 1.019 |
| 10/6/2017 5:30  | 113400 | 119.134 | 20.391 | 268.362 | 38568.031 | 42291.027 | 27.461 | 28.758 | 25.928 | 1.019 |
| 10/6/2017 5:45  | 114300 | 119.129 | 20.387 | 268.351 | 38571.105 | 42297.961 | 27.466 | 28.763 | 25.926 | 1.019 |
| 10/6/2017 6:00  | 115200 | 119.114 | 20.386 | 268.374 | 38572.379 | 42299.898 | 27.468 | 28.764 | 25.925 | 1.019 |
| 10/6/2017 6:15  | 116100 | 119.129 | 20.389 | 268.351 | 38592.027 | 42318.734 | 27.481 | 28.777 | 25.912 | 1.019 |
| 10/6/2017 6:30  | 117000 | 119.128 | 20.386 | 268.346 | 38615.379 | 42346.98  | 27.502 | 28.796 | 25.896 | 1.019 |
| 10/6/2017 6:45  | 117900 | 119.126 | 20.387 | 268.343 | 38586.266 | 42314.898 | 27.478 | 28.774 | 25.916 | 1.019 |
| 10/6/2017 7:00  | 118800 | 119.134 | 20.389 | 268.362 | 38613.844 | 42342.977 | 27.499 | 28.793 | 25.897 | 1.019 |
| 10/6/2017 7:15  | 119700 | 119.146 | 20.387 | 268.389 | 38573.203 | 42299.797 | 27.468 | 28.764 | 25.925 | 1.019 |
| 10/6/2017 7:30  | 120600 | 119.149 | 20.389 | 268.394 | 38581.996 | 42308.207 | 27.474 | 28.77  | 25.919 | 1.019 |
| 10/6/2017 7:45  | 121500 | 119.169 | 20.388 | 268.439 | 38604.223 | 42333.352 | 27.492 | 28.787 | 25.904 | 1.019 |
| 10/6/2017 8:00  | 122400 | 119.189 | 20.387 | 268.485 | 38589.973 | 42318.727 | 27.481 | 28.777 | 25.913 | 1.019 |
| 10/6/2017 8:15  | 123300 | 119.206 | 20.386 | 268.524 | 38589.152 | 42318.145 | 27.481 | 28.776 | 25.914 | 1.019 |
| 10/6/2017 8:30  | 124200 | 119.223 | 20.387 | 268.562 | 38577.5   | 42305.121 | 27.471 | 28.767 | 25.922 | 1.019 |
| 10/6/2017 8:45  | 125100 | 119.241 | 20.389 | 268.602 | 38601.859 | 42330.137 | 27.489 | 28.784 | 25.905 | 1.019 |
| 10/6/2017 9:00  | 126000 | 119.268 | 20.389 | 268.662 | 38588.234 | 42315.273 | 27.479 | 28.774 | 25.915 | 1.019 |
| 10/6/2017 9:15  | 126900 | 119.293 | 20.388 | 268.718 | 38594.457 | 42322.797 | 27.484 | 28.78  | 25.91  | 1.019 |
| 10/6/2017 9:30  | 127800 | 119.315 | 20.388 | 268.77  | 38606.586 | 42335.781 | 27.493 | 28.788 | 25.902 | 1.019 |
| 10/6/2017 9:45  | 128700 | 119.342 | 20.388 | 268.83  | 38595.875 | 42324.117 | 27.485 | 28.78  | 25.91  | 1.019 |
| 10/6/2017 10:00 | 129600 | 119.358 | 20.384 | 268.866 | 38581.461 | 42311.48  | 27.476 | 28.772 | 25.919 | 1.019 |
| 10/6/2017 10:15 | 130500 | 119.385 | 20.386 | 268.927 | 38552.598 | 42278.746 | 27.452 | 28.75  | 25.939 | 1.019 |
| 10/6/2017 10:30 | 131400 | 119.417 | 20.384 | 268.999 | 38605.883 | 42339.117 | 27.496 | 28.791 | 25.903 | 1.019 |
| 10/6/2017 10:45 | 132300 | 119.428 | 20.384 | 269.023 | 38607.715 | 42340.273 | 27.497 | 28.791 | 25.902 | 1.019 |
| 10/6/2017 11:00 | 133200 | 119.45  | 20.386 | 269.073 | 38609.84  | 42340.906 | 27.497 | 28.792 | 25.9   | 1.019 |
| 10/6/2017 11:15 | 134100 | 119.466 | 20.388 | 269.11  | 38583.293 | 42310.316 | 27.475 | 28.771 | 25.918 | 1.019 |
| 10/6/2017 11:30 | 135000 | 119.471 | 20.385 | 269.121 | 38584.457 | 42314.543 | 27.478 | 28.774 | 25.917 | 1.019 |
| 10/6/2017 11:45 | 135900 | 119.494 | 20.386 | 269.171 | 38590.984 | 42320.383 | 27.482 | 28.778 | 25.913 | 1.019 |
| 10/6/2017 12:00 | 136800 | 119.508 | 20.386 | 269.204 | 38583.082 | 42312.094 | 27.476 | 28.772 | 25.918 | 1.019 |
| 10/6/2017 12:15 | 137700 | 119.507 | 20.387 | 269.202 | 38603.684 | 42334     | 27.492 | 28.787 | 25.904 | 1.019 |
| 10/6/2017 12:30 | 138600 | 119.509 | 20.387 | 269.205 | 38594.707 | 42323.457 | 27.485 | 28.78  | 25.91  | 1.019 |
| 10/6/2017 12:45 | 139500 | 119.508 | 20.386 | 269.204 | 38609.031 | 42340.797 | 27.497 | 28.792 | 25.901 | 1.019 |
| 10/6/2017 13:00 | 140400 | 119.502 | 20.388 | 269.189 | 38561.59  | 42286.91  | 27.458 | 28.755 | 25.933 | 1.019 |
| 10/6/2017 13:15 | 141300 | 119.506 | 20.387 | 269.198 | 38589.16  | 42317.996 | 27.481 | 28.776 | 25.914 | 1.019 |
| 10/6/2017 13:30 | 142200 | 119.488 | 20.384 | 269.159 | 38591.129 | 42322.785 | 27.484 | 28.779 | 25.913 | 1.019 |
| 10/6/2017 13:45 | 143100 | 119.479 | 20.385 | 269.139 | 38611.469 | 42344.168 | 27.499 | 28.794 | 25.899 | 1.019 |
| 10/6/2017 14:00 | 144000 | 119.466 | 20.387 | 269.11  | 38597.93  | 42327.223 | 27.487 | 28.783 | 25.908 | 1.019 |
| 10/6/2017 14:15 | 144900 | 119.445 | 20.386 | 269.062 | 38621.559 | 42353.91  | 27.507 | 28.801 | 25.892 | 1.019 |
| 10/6/2017 14:30 | 145800 | 119.425 | 20.385 | 269.016 | 38575.215 | 42303.859 | 27.47  | 28.767 | 25.923 | 1.019 |
| 10/6/2017 14:45 | 146700 | 119.404 | 20.387 | 268.97  | 38591.297 | 42320.414 | 27.482 | 28.778 | 25.913 | 1.019 |
| 10/6/2017 15:00 | 147600 | 119.385 | 20.385 | 268.927 | 38589.902 | 42319.891 | 27.482 | 28.778 | 25.914 | 1.019 |
| 10/6/2017 15:15 | 148500 | 119.361 | 20.384 | 268.872 | 38582.617 | 42312.75  | 27.477 | 28.773 | 25.918 | 1.019 |
| 10/6/2017 15:30 | 149400 | 119.341 | 20.388 | 268.827 | 38566.016 | 42291.371 | 27.461 | 28.758 | 25.93  | 1.019 |
| 10/6/2017 15:45 | 150300 | 119.303 | 20.385 | 268.743 | 38570.613 | 42299.125 | 27.467 | 28.763 | 25.926 | 1.019 |
| 10/6/2017 16:00 | 151200 | 119.284 | 20.388 | 268.699 | 38569.422 | 42294.797 | 27.464 | 28.76  | 25.927 | 1.019 |
| 10/6/2017 16:15 | 152100 | 119.264 | 20.388 | 268.654 | 38566.492 | 42292.363 | 27.462 | 28.759 | 25.929 | 1.019 |
| 10/6/2017 16:30 | 153000 | 119.236 | 20.389 | 268.59  | 38597.492 | 42325.5   | 27.486 | 28.781 | 25.908 | 1.019 |
| 10/6/2017 16:45 | 153900 | 119.222 | 20.391 | 268.56  | 38603.93  | 42330.555 | 27.49  | 28.785 | 25.904 | 1.019 |
| 10/6/2017 17:00 | 154800 | 119.194 | 20.388 | 268.496 | 38616.891 | 42346.93  | 27.502 | 28.796 | 25.895 | 1.019 |
| 10/6/2017 17:15 | 155700 | 119.18  | 20.389 | 268.464 | 38549.285 | 42272.637 | 27.448 | 28.745 | 25.941 | 1.019 |
| 10/6/2017 17:30 | 156600 | 119.157 | 20.39  | 268.412 | 38603.816 | 42330.734 | 27.49  | 28.785 | 25.904 | 1.019 |
| 10/6/2017 17:45 | 157500 | 119.135 | 20.386 | 268.364 | 38585.637 | 42314.516 | 27.478 | 28.774 | 25.916 | 1.019 |
| 10/6/2017 18:00 | 158400 | 119.131 | 20.387 | 268.354 | 38586.648 | 42314.934 | 27.478 | 28.774 | 25.916 | 1.019 |
| 10/6/2017 18:15 | 159300 | 119.108 | 20.391 | 268.303 | 38602.258 | 42328.242 | 27.488 | 28.783 | 25.905 | 1.019 |
| 10/6/2017 18:30 | 160200 | 119.099 | 20.393 | 268.282 | 38599.871 | 42324.164 | 27.485 | 28.78  | 25.907 | 1.019 |
| 10/6/2017 18:45 | 161100 | 119.094 | 20.388 | 268.271 | 38600.043 | 42328.926 | 27.489 | 28.784 | 25.907 | 1.019 |
| 10/6/2017 19:00 | 162000 | 119.099 | 20.387 | 268.282 | 38595.883 | 42325.133 | 27.486 | 28.781 | 25.91  | 1.019 |
| 10/6/2017 19:15 | 162900 | 119.094 | 20.387 | 268.271 | 38597.449 | 42326.613 | 27.487 | 28.782 | 25.908 | 1.019 |
| 10/6/2017 19:30 | 163800 | 119.082 | 20.388 | 268.244 | 38563.648 | 42289.09  | 27.46  | 28.757 | 25.931 | 1.019 |
| 10/6/2017 19:45 | 164700 | 119.103 | 20.388 | 268.291 | 38607.891 | 42337.758 | 27.495 | 28.79  | 25.901 | 1.019 |
| 10/6/2017 20:00 | 165600 | 119.105 | 20.39  | 268.297 | 38585.309 | 42310.988 | 27.476 | 28.771 | 25.917 | 1.019 |
| 10/6/2017 20:15 | 166500 | 119.107 | 20.387 | 268.299 | 38585.418 | 42313.656 | 27.477 | 28.773 | 25.917 | 1.019 |
| 10/6/2017 20:30 | 167400 | 119.138 | 20.384 | 268.369 | 38576.715 | 42307.055 | 27.473 | 28.769 | 25.922 | 1.019 |
| 10/6/2017 20:45 | 168300 | 119.159 | 20.382 | 268.416 | 38568.02  | 42298.68  | 27.467 | 28.763 | 25.928 | 1.019 |
| 10/6/2017 21:00 | 169200 | 119.173 | 20.381 | 268.449 | 38579.898 | 42313.18  | 27.477 | 28.773 | 25.92  | 1.019 |
| 10/6/2017 21:15 | 170100 | 119.179 | 20.382 | 268.462 | 38587.301 | 42319.828 | 27.482 | 28.777 | 25.915 | 1.019 |
| 10/6/2017 21:30 | 171000 | 119.2   | 20.384 | 268.51  | 38594.789 | 42326.875 | 27.487 | 28.782 | 25.91  | 1.019 |
| 10/6/2017 21:45 | 171900 | 119.198 | 20.385 | 268.505 | 38581.324 | 42311.184 | 27.476 | 28.772 | 25.919 | 1.019 |
| 10/6/2017 22:00 | 172800 | 119.247 | 20.386 | 268.615 | 38619.789 | 42352.594 | 27.506 | 28.8   | 25.893 | 1.019 |
| 10/6/2017 22:15 | 173700 | 119.259 | 20.384 | 268.642 | 38571.008 | 42300.262 | 27.468 | 28.764 | 25.926 | 1.019 |
| 10/6/2017 22:30 | 174600 | 119.281 | 20.384 | 268.693 | 38560.652 | 42288.98  | 27.46  | 28.757 | 25.933 | 1.019 |
| 10/6/2017 22:45 | 175500 | 119.312 | 20.383 | 268.763 | 38578.375 | 42309.578 | 27.474 | 28.771 | 25.921 | 1.019 |
| 10/6/2017 23:00 | 176400 | 119.322 | 20.383 | 268.783 | 38549.449 | 42277.543 | 27.451 | 28.749 | 25.941 | 1.019 |
| 10/6/2017 23:15 | 177300 | 119.348 | 20.384 | 268.    |           |           |        |        |        |       |

|                 |        |         |        |         |           |           |        |        |        |       |
|-----------------|--------|---------|--------|---------|-----------|-----------|--------|--------|--------|-------|
| 10/7/2017 21:45 | 258300 | 119.16  | 20.39  | 268.419 | 38582.309 | 42307.617 | 27.473 | 28.769 | 25.919 | 1.019 |
| 10/7/2017 22:00 | 259200 | 119.182 | 20.39  | 268.469 | 38581.063 | 42306.25  | 27.472 | 28.768 | 25.919 | 1.019 |
| 10/7/2017 22:15 | 260100 | 119.204 | 20.39  | 268.518 | 38573.129 | 42297.395 | 27.466 | 28.762 | 25.925 | 1.019 |
| 10/7/2017 22:30 | 261000 | 119.225 | 20.39  | 268.567 | 38576.727 | 42301.727 | 27.469 | 28.765 | 25.922 | 1.019 |
| 10/7/2017 22:45 | 261900 | 119.244 | 20.389 | 268.61  | 38572.203 | 42297.152 | 27.466 | 28.762 | 25.925 | 1.019 |
| 10/7/2017 23:00 | 262800 | 119.261 | 20.39  | 268.647 | 38588.109 | 42313.895 | 27.478 | 28.773 | 25.915 | 1.019 |
| 10/7/2017 23:15 | 263700 | 119.281 | 20.389 | 268.693 | 38587.805 | 42314.727 | 27.478 | 28.774 | 25.915 | 1.019 |
| 10/7/2017 23:30 | 264600 | 119.296 | 20.388 | 268.726 | 38541.816 | 42265.074 | 27.442 | 28.74  | 25.946 | 1.019 |
| 10/7/2017 23:45 | 265500 | 119.32  | 20.39  | 268.779 | 38590.836 | 42317.051 | 27.48  | 28.776 | 25.913 | 1.019 |
| 10/8/2017 0:00  | 266400 | 119.343 | 20.389 | 268.831 | 38586.004 | 42312.527 | 27.477 | 28.773 | 25.916 | 1.019 |
| 10/8/2017 0:15  | 267300 | 119.36  | 20.389 | 268.871 | 38568.371 | 42293.492 | 27.463 | 28.76  | 25.928 | 1.019 |
| 10/8/2017 0:30  | 268200 | 119.378 | 20.389 | 268.911 | 38580.125 | 42306.305 | 27.472 | 28.768 | 25.92  | 1.019 |
| 10/8/2017 0:45  | 269100 | 119.392 | 20.39  | 268.942 | 38567.746 | 42291.184 | 27.461 | 28.758 | 25.928 | 1.019 |
| 10/8/2017 1:00  | 270000 | 119.411 | 20.388 | 268.985 | 38578.68  | 42305.258 | 27.471 | 28.768 | 25.921 | 1.019 |
| 10/8/2017 1:15  | 270900 | 119.419 | 20.391 | 269.003 | 38560.531 | 42282.57  | 27.455 | 28.752 | 25.933 | 1.019 |
| 10/8/2017 1:30  | 271800 | 119.426 | 20.387 | 269.018 | 38566.449 | 42292.855 | 27.462 | 28.759 | 25.929 | 1.019 |
| 10/8/2017 1:45  | 272700 | 119.434 | 20.389 | 269.036 | 38605.172 | 42333.305 | 27.492 | 28.787 | 25.903 | 1.019 |
| 10/8/2017 2:00  | 273600 | 119.43  | 20.391 | 269.027 | 38571.836 | 42295.586 | 27.465 | 28.761 | 25.926 | 1.019 |
| 10/8/2017 2:15  | 274500 | 119.431 | 20.39  | 269.03  | 38571.816 | 42296.418 | 27.465 | 28.762 | 25.926 | 1.019 |
| 10/8/2017 2:30  | 275400 | 119.433 | 20.391 | 269.034 | 38569.289 | 42292.719 | 27.463 | 28.759 | 25.927 | 1.019 |
| 10/8/2017 2:45  | 276300 | 119.432 | 20.39  | 269.031 | 38557.285 | 42279.711 | 27.453 | 28.75  | 25.935 | 1.019 |
| 10/8/2017 3:00  | 277200 | 119.42  | 20.393 | 269.005 | 38575.148 | 42296.598 | 27.465 | 28.762 | 25.923 | 1.019 |
| 10/8/2017 3:15  | 278100 | 119.413 | 20.393 | 268.991 | 38596.035 | 42319.648 | 27.482 | 28.777 | 25.909 | 1.019 |
| 10/8/2017 3:30  | 279000 | 119.407 | 20.391 | 268.975 | 38577.527 | 42301.207 | 27.469 | 28.765 | 25.922 | 1.019 |
| 10/8/2017 3:45  | 279900 | 119.39  | 20.391 | 268.938 | 38583.645 | 42308.148 | 27.474 | 28.77  | 25.918 | 1.019 |
| 10/8/2017 4:00  | 280800 | 119.39  | 20.392 | 268.938 | 38583.797 | 42307.316 | 27.473 | 28.769 | 25.918 | 1.019 |
| 10/8/2017 4:15  | 281700 | 119.373 | 20.393 | 268.9   | 38562.418 | 42283.41  | 27.456 | 28.753 | 25.932 | 1.019 |
| 10/8/2017 4:30  | 282600 | 119.363 | 20.39  | 268.876 | 38598.535 | 42324.945 | 27.486 | 28.781 | 25.908 | 1.019 |
| 10/8/2017 4:45  | 283500 | 119.348 | 20.392 | 268.843 | 38576.113 | 42298.57  | 27.467 | 28.763 | 25.923 | 1.019 |
| 10/8/2017 5:00  | 284400 | 119.333 | 20.393 | 268.808 | 38594.555 | 42318.406 | 27.481 | 28.777 | 25.91  | 1.019 |
| 10/8/2017 5:15  | 285300 | 119.31  | 20.393 | 268.757 | 38594.113 | 42318     | 27.481 | 28.776 | 25.911 | 1.019 |
| 10/8/2017 5:30  | 286200 | 119.307 | 20.392 | 268.75  | 38573.766 | 42296.316 | 27.465 | 28.761 | 25.924 | 1.019 |
| 10/8/2017 5:45  | 287100 | 119.287 | 20.393 | 268.706 | 38577.449 | 42299.117 | 27.467 | 28.763 | 25.922 | 1.019 |
| 10/8/2017 6:00  | 288000 | 119.279 | 20.394 | 268.689 | 38599.164 | 42322.535 | 27.484 | 28.779 | 25.907 | 1.019 |
| 10/8/2017 6:15  | 288900 | 119.276 | 20.394 | 268.681 | 38597.617 | 42320.914 | 27.483 | 28.778 | 25.908 | 1.019 |
| 10/8/2017 6:30  | 289800 | 119.265 | 20.393 | 268.656 | 38575.496 | 42296.977 | 27.466 | 28.762 | 25.923 | 1.019 |
| 10/8/2017 6:45  | 290700 | 119.261 | 20.392 | 268.647 | 38582.602 | 42305.688 | 27.472 | 28.768 | 25.918 | 1.019 |
| 10/8/2017 7:00  | 291600 | 119.247 | 20.393 | 268.615 | 38566.41  | 42287.164 | 27.459 | 28.755 | 25.929 | 1.019 |
| 10/8/2017 7:15  | 292500 | 119.249 | 20.39  | 268.619 | 38608.359 | 42336.414 | 27.494 | 28.789 | 25.901 | 1.019 |
| 10/8/2017 7:30  | 293400 | 119.251 | 20.392 | 268.624 | 38580.336 | 42303.668 | 27.47  | 28.766 | 25.92  | 1.019 |
| 10/8/2017 7:45  | 294300 | 119.256 | 20.392 | 268.635 | 38556.82  | 42277.574 | 27.452 | 28.749 | 25.936 | 1.019 |
| 10/8/2017 8:00  | 295200 | 119.253 | 20.392 | 268.629 | 38604.75  | 42330.129 | 27.49  | 28.784 | 25.904 | 1.019 |
| 10/8/2017 8:15  | 296100 | 119.263 | 20.393 | 268.651 | 38565.125 | 42286.215 | 27.458 | 28.755 | 25.93  | 1.019 |
| 10/8/2017 8:30  | 297000 | 119.276 | 20.394 | 268.681 | 38582.293 | 42303.957 | 27.471 | 28.767 | 25.919 | 1.019 |
| 10/8/2017 8:45  | 297900 | 119.286 | 20.392 | 268.704 | 38553.922 | 42274.477 | 27.449 | 28.747 | 25.938 | 1.019 |
| 10/8/2017 9:00  | 298800 | 119.293 | 20.391 | 268.72  | 38548.176 | 42269.336 | 27.446 | 28.743 | 25.942 | 1.019 |
| 10/8/2017 9:15  | 299700 | 119.308 | 20.391 | 268.754 | 38576.418 | 42300.148 | 27.468 | 28.764 | 25.923 | 1.019 |
| 10/8/2017 9:30  | 300600 | 119.333 | 20.391 | 268.808 | 38618.195 | 42345.801 | 27.501 | 28.795 | 25.895 | 1.019 |
| 10/8/2017 9:45  | 301500 | 119.342 | 20.393 | 268.83  | 38596.41  | 42320.754 | 27.483 | 28.778 | 25.909 | 1.019 |
| 10/8/2017 10:00 | 302400 | 119.37  | 20.392 | 268.893 | 38571.043 | 42293.168 | 27.463 | 28.759 | 25.926 | 1.019 |
| 10/8/2017 10:15 | 303300 | 119.388 | 20.391 | 268.934 | 38557.656 | 42279.578 | 27.453 | 28.75  | 25.935 | 1.019 |
| 10/8/2017 10:30 | 304200 | 119.413 | 20.393 | 268.991 | 38596.785 | 42320.395 | 27.483 | 28.778 | 25.909 | 1.019 |
| 10/8/2017 10:45 | 305100 | 119.436 | 20.391 | 269.041 | 38592.324 | 42317.746 | 27.481 | 28.776 | 25.912 | 1.019 |
| 10/8/2017 11:00 | 306000 | 119.456 | 20.389 | 269.087 | 38606.391 | 42334.715 | 27.493 | 28.788 | 25.902 | 1.019 |
| 10/8/2017 11:15 | 306900 | 119.479 | 20.391 | 269.139 | 38580.055 | 42304.523 | 27.471 | 28.767 | 25.92  | 1.019 |
| 10/8/2017 11:30 | 307800 | 119.502 | 20.389 | 269.191 | 38573.477 | 42298.941 | 27.467 | 28.763 | 25.925 | 1.019 |
| 10/8/2017 11:45 | 308700 | 119.525 | 20.391 | 269.241 | 38562.941 | 42285.832 | 27.458 | 28.754 | 25.932 | 1.019 |
| 10/8/2017 12:00 | 309600 | 119.555 | 20.39  | 269.309 | 38563.594 | 42286.629 | 27.458 | 28.755 | 25.931 | 1.019 |
| 10/8/2017 12:15 | 310500 | 119.567 | 20.39  | 269.336 | 38583.02  | 42308.398 | 27.474 | 28.77  | 25.918 | 1.019 |
| 10/8/2017 12:30 | 311400 | 119.588 | 20.39  | 269.385 | 38579.23  | 42304.086 | 27.471 | 28.767 | 25.921 | 1.019 |
| 10/8/2017 12:45 | 312300 | 119.592 | 20.39  | 269.392 | 38584.168 | 42309.191 | 27.474 | 28.77  | 25.917 | 1.019 |
| 10/8/2017 13:00 | 313200 | 119.599 | 20.39  | 269.408 | 38565.754 | 42289.547 | 27.46  | 28.757 | 25.93  | 1.019 |
| 10/8/2017 13:15 | 314100 | 119.609 | 20.391 | 269.432 | 38583.098 | 42307.785 | 27.473 | 28.769 | 25.918 | 1.019 |
| 10/8/2017 13:30 | 315000 | 119.623 | 20.392 | 269.463 | 38597.395 | 42322.527 | 27.484 | 28.779 | 25.908 | 1.019 |
| 10/8/2017 13:45 | 315900 | 119.619 | 20.393 | 269.453 | 38553.219 | 42273.008 | 27.448 | 28.746 | 25.938 | 1.019 |
| 10/8/2017 14:00 | 316800 | 119.615 | 20.391 | 269.444 | 38580.258 | 42304.199 | 27.471 | 28.767 | 25.92  | 1.019 |
| 10/8/2017 14:15 | 317700 | 119.617 | 20.393 | 269.449 | 38567.289 | 42288.824 | 27.46  | 28.756 | 25.929 | 1.019 |
| 10/8/2017 14:30 | 318600 | 119.601 | 20.392 | 269.412 | 38566.809 | 42288.605 | 27.46  | 28.756 | 25.929 | 1.019 |
| 10/8/2017 14:45 | 319500 | 119.599 | 20.393 | 269.408 | 38585.293 | 42308.492 | 27.474 | 28.77  | 25.917 | 1.019 |
| 10/8/2017 15:00 | 320400 | 119.588 | 20.392 | 269.384 | 38592.992 | 42317.398 | 27.48  | 28.776 | 25.911 | 1.019 |
| 10/8/2017 15:15 | 321300 | 119.567 | 20.392 | 269.336 | 38573.098 | 42295.969 | 27.465 | 28.761 | 25.925 | 1.019 |
| 10/8/2017 15:30 | 322200 | 119.558 | 20.39  | 269.317 | 38565.805 | 42289.281 | 27.46  | 28.757 | 25.93  | 1.019 |
| 10/8/2017 15:45 | 323100 | 119.54  | 20.39  | 269.276 | 38561.063 | 42284.625 | 27.457 | 28.754 | 25.933 | 1.019 |
| 10/8/2017 16:00 | 324000 | 119.52  | 20.39  | 269.231 | 38566.32  | 42290.242 | 27.461 | 28.757 | 25.929 | 1.019 |
| 10/8/2017 16:15 | 324900 | 119.493 | 20.392 | 269.169 | 38566.531 | 42288.77  | 27.46  | 28.756 | 25.929 | 1.019 |
| 10/8/2017 16:30 | 325800 | 119.469 | 20.393 | 269.116 | 38575.434 | 42297.441 | 27.466 | 28.762 | 25.923 | 1.019 |
| 10/8/2017 16:45 | 326700 | 119.444 | 20.389 | 269.059 | 38587.488 | 42313.758 | 27.478 | 28.773 | 25.915 | 1.019 |
| 10/8/2017 17:00 | 327600 | 119.422 | 20.387 | 269.011 | 38586.488 | 42314.758 | 27.478 | 28.774 | 25.916 | 1.019 |
| 10/8/2017 17:15 | 328500 | 119.39  | 20.39  | 268.938 | 38583.652 | 42309.09  | 27.474 | 28.77  | 25.918 | 1.019 |
| 10/8/2017 17:30 | 329400 | 119.37  | 20.388 | 268.893 | 38554.113 | 42278.785 | 27.452 | 28.75  | 25.938 | 1.019 |
| 10/8/2017 17:45 | 330300 | 119.336 | 20.386 | 268.815 | 38561.938 | 42288.449 | 27.459 | 28.756 | 25.932 | 1.019 |
| 10/8/2017 18:00 | 331200 | 119.312 | 20.388 | 268.763 | 38558.32  | 42283.172 | 27.456 | 28.753 | 25.935 | 1.019 |
| 10/8/2017 18:15 | 332100 | 119.286 | 20.389 | 268.704 | 38573.137 | 42298.02  | 27.466 | 28.763 | 25.925 | 1.019 |
| 10/8/2017 18:30 | 333000 | 119.262 | 20.39  | 268.649 | 38579.234 | 42304.328 | 27.471 | 28.767 | 25.921 | 1.019 |
| 10/8/2017 18:45 | 333900 | 119.243 | 20.39  | 268.606 | 38584.832 | 42310.148 | 27.475 | 28.771 | 25.917 | 1.019 |
| 10/8/2017 19:00 | 334800 | 119.215 | 20.39  | 268.544 | 38570.891 | 42295.016 | 27.464 | 28.761 | 25.926 | 1.019 |
| 10/8/2017 19:15 | 335700 | 119.202 | 20.391 | 268.514 | 38572.711 | 42296.16  | 27.465 | 28.761 | 25.925 | 1.019 |
| 10/8/2017 19:30 | 336600 | 119.18  | 20.391 | 268.464 | 38576.582 | 42300.789 | 27.468 | 28.765 | 25.922 | 1.019 |
| 10/8/2017 19:45 | 337500 | 119.173 | 20.391 | 268.449 | 38530.824 |           |        |        |        |       |

|                  |        |         |        |         |           |           |        |        |        |       |
|------------------|--------|---------|--------|---------|-----------|-----------|--------|--------|--------|-------|
| 10/9/2017 18:15  | 418500 | 119.44  | 20.391 | 269.049 | 38585.793 | 42310.816 | 27.476 | 28.771 | 25.916 | 1.019 |
| 10/9/2017 18:30  | 419400 | 119.442 | 20.389 | 269.055 | 38557.52  | 42281.516 | 27.454 | 28.751 | 25.935 | 1.019 |
| 10/9/2017 18:45  | 420300 | 119.392 | 20.388 | 268.942 | 38566.383 | 42292.086 | 27.462 | 28.759 | 25.929 | 1.019 |
| 10/9/2017 19:00  | 421200 | 119.359 | 20.389 | 268.868 | 38587.094 | 42314.098 | 27.478 | 28.774 | 25.915 | 1.019 |
| 10/9/2017 19:15  | 422100 | 119.342 | 20.39  | 268.83  | 38538.652 | 42259.508 | 27.439 | 28.736 | 25.948 | 1.019 |
| 10/9/2017 19:30  | 423000 | 119.318 | 20.39  | 268.774 | 38590.316 | 42316.629 | 27.48  | 28.775 | 25.913 | 1.019 |
| 10/9/2017 19:45  | 423900 | 119.296 | 20.391 | 268.726 | 38543.703 | 42264.734 | 27.442 | 28.74  | 25.945 | 1.019 |
| 10/9/2017 20:00  | 424800 | 119.264 | 20.392 | 268.654 | 38525.832 | 42244.059 | 27.427 | 28.726 | 25.957 | 1.019 |
| 10/9/2017 20:15  | 425700 | 119.254 | 20.39  | 268.631 | 38596.688 | 42323.301 | 27.485 | 28.78  | 25.909 | 1.019 |
| 10/9/2017 20:30  | 426600 | 119.233 | 20.39  | 268.583 | 38522.172 | 42241.676 | 27.426 | 28.724 | 25.959 | 1.019 |
| 10/9/2017 20:45  | 427500 | 119.227 | 20.389 | 268.57  | 38553.184 | 42276.539 | 27.451 | 28.748 | 25.938 | 1.019 |
| 10/9/2017 21:00  | 428400 | 119.211 | 20.391 | 268.534 | 38544.879 | 42265.492 | 27.443 | 28.741 | 25.944 | 1.019 |
| 10/9/2017 21:15  | 429300 | 119.2   | 20.39  | 268.51  | 38550.852 | 42273.203 | 27.448 | 28.746 | 25.94  | 1.019 |
| 10/9/2017 21:30  | 430200 | 119.194 | 20.39  | 268.496 | 38561.281 | 42284.402 | 27.456 | 28.753 | 25.933 | 1.019 |
| 10/9/2017 21:45  | 431100 | 119.184 | 20.389 | 268.474 | 38570.922 | 42295.746 | 27.465 | 28.761 | 25.926 | 1.019 |
| 10/9/2017 22:00  | 432000 | 119.19  | 20.388 | 268.488 | 38568.27  | 42294.313 | 27.464 | 28.76  | 25.928 | 1.019 |
| 10/9/2017 22:15  | 432900 | 119.186 | 20.389 | 268.478 | 38592.926 | 42319.875 | 27.482 | 28.778 | 25.911 | 1.019 |
| 10/9/2017 22:30  | 433800 | 119.192 | 20.39  | 268.492 | 38561.801 | 42285.047 | 27.457 | 28.754 | 25.932 | 1.019 |
| 10/9/2017 22:45  | 434700 | 119.194 | 20.391 | 268.496 | 38549.848 | 42271.016 | 27.447 | 28.744 | 25.94  | 1.019 |
| 10/9/2017 23:00  | 435600 | 119.196 | 20.394 | 268.5   | 38573.605 | 42294.512 | 27.464 | 28.76  | 25.924 | 1.019 |
| 10/9/2017 23:15  | 436500 | 119.208 | 20.39  | 268.529 | 38593.738 | 42320.23  | 27.482 | 28.778 | 25.911 | 1.019 |
| 10/9/2017 23:30  | 437400 | 119.225 | 20.393 | 268.567 | 38542.973 | 42261.465 | 27.444 | 28.738 | 25.945 | 1.019 |
| 10/9/2017 23:45  | 438300 | 119.239 | 20.392 | 268.597 | 38545.289 | 42265.09  | 27.443 | 28.74  | 25.944 | 1.019 |
| 10/10/2017 0:00  | 439200 | 119.258 | 20.393 | 268.64  | 38550.566 | 42270.25  | 27.446 | 28.744 | 25.94  | 1.019 |
| 10/10/2017 0:15  | 440100 | 119.262 | 20.391 | 268.649 | 38550.141 | 42271.02  | 27.447 | 28.744 | 25.94  | 1.019 |
| 10/10/2017 0:30  | 441000 | 119.289 | 20.393 | 268.711 | 38560.441 | 42280.77  | 27.454 | 28.751 | 25.933 | 1.019 |
| 10/10/2017 0:45  | 441900 | 119.31  | 20.393 | 268.758 | 38559.66  | 42280.301 | 27.454 | 28.751 | 25.934 | 1.019 |
| 10/10/2017 1:00  | 442800 | 119.328 | 20.391 | 268.799 | 38548.672 | 42269.965 | 27.446 | 28.744 | 25.941 | 1.019 |
| 10/10/2017 1:15  | 443700 | 119.343 | 20.389 | 268.831 | 38566.828 | 42291.184 | 27.461 | 28.758 | 25.929 | 1.019 |
| 10/10/2017 1:30  | 444600 | 119.356 | 20.389 | 268.861 | 38577.418 | 42303.484 | 27.47  | 28.766 | 25.922 | 1.019 |
| 10/10/2017 1:45  | 445500 | 119.383 | 20.388 | 268.923 | 38546.035 | 42269.23  | 27.445 | 28.743 | 25.943 | 1.019 |
| 10/10/2017 2:00  | 446400 | 119.402 | 20.388 | 268.964 | 38576.391 | 42302.832 | 27.47  | 28.766 | 25.923 | 1.019 |
| 10/10/2017 2:15  | 447300 | 119.413 | 20.389 | 268.99  | 38539.207 | 42261.211 | 27.44  | 28.738 | 25.948 | 1.019 |
| 10/10/2017 2:30  | 448200 | 119.437 | 20.387 | 269.043 | 38543.68  | 42267.887 | 27.444 | 28.742 | 25.945 | 1.019 |
| 10/10/2017 2:45  | 449100 | 119.443 | 20.39  | 269.058 | 38526.117 | 42245.602 | 27.429 | 28.727 | 25.956 | 1.019 |
| 10/10/2017 3:00  | 450000 | 119.456 | 20.388 | 269.085 | 38540     | 42262.688 | 27.441 | 28.739 | 25.947 | 1.019 |
| 10/10/2017 3:15  | 450900 | 119.469 | 20.387 | 269.116 | 38522.066 | 42243.719 | 27.427 | 28.726 | 25.959 | 1.019 |
| 10/10/2017 3:30  | 451800 | 119.488 | 20.386 | 269.159 | 38546.074 | 42271.215 | 27.447 | 28.744 | 25.943 | 1.019 |
| 10/10/2017 3:45  | 452700 | 119.486 | 20.386 | 269.154 | 38560.68  | 42287.23  | 27.458 | 28.755 | 25.933 | 1.019 |
| 10/10/2017 4:00  | 453600 | 119.496 | 20.387 | 269.176 | 38544.148 | 42267.934 | 27.445 | 28.742 | 25.944 | 1.019 |
| 10/10/2017 4:15  | 454500 | 119.497 | 20.386 | 269.178 | 38547.211 | 42272.148 | 27.448 | 28.745 | 25.942 | 1.019 |
| 10/10/2017 4:30  | 455400 | 119.496 | 20.388 | 269.176 | 38585.336 | 42312.723 | 27.477 | 28.773 | 25.917 | 1.019 |
| 10/10/2017 4:45  | 456300 | 119.479 | 20.385 | 269.137 | 38553.273 | 42279.723 | 27.453 | 28.75  | 25.938 | 1.019 |
| 10/10/2017 5:00  | 457200 | 119.502 | 20.386 | 269.191 | 38561.887 | 42288.242 | 27.459 | 28.756 | 25.932 | 1.019 |
| 10/10/2017 5:15  | 458100 | 119.506 | 20.386 | 269.198 | 38548.141 | 42273.398 | 27.448 | 28.746 | 25.942 | 1.019 |
| 10/10/2017 5:30  | 459000 | 119.497 | 20.386 | 269.178 | 38561.367 | 42288.059 | 27.459 | 28.756 | 25.933 | 1.019 |
| 10/10/2017 5:45  | 459900 | 119.496 | 20.384 | 269.176 | 38553.367 | 42281.301 | 27.454 | 28.751 | 25.938 | 1.019 |
| 10/10/2017 6:00  | 460800 | 119.491 | 20.383 | 269.164 | 38559.266 | 42288.07  | 27.459 | 28.756 | 25.934 | 1.019 |
| 10/10/2017 6:15  | 461700 | 119.494 | 20.384 | 269.171 | 38555.344 | 42283.23  | 27.455 | 28.753 | 25.937 | 1.019 |
| 10/10/2017 6:30  | 462600 | 119.484 | 20.383 | 269.148 | 38510.828 | 42235.27  | 27.421 | 28.72  | 25.967 | 1.019 |
| 10/10/2017 6:45  | 463500 | 119.478 | 20.383 | 269.135 | 38563.168 | 42292.441 | 27.462 | 28.759 | 25.931 | 1.019 |
| 10/10/2017 7:00  | 464400 | 119.472 | 20.385 | 269.123 | 38541.828 | 42267.793 | 27.444 | 28.742 | 25.946 | 1.019 |
| 10/10/2017 7:15  | 465300 | 119.468 | 20.384 | 269.113 | 38559.316 | 42287.898 | 27.459 | 28.756 | 25.934 | 1.019 |
| 10/10/2017 7:30  | 466200 | 119.451 | 20.383 | 269.076 | 38548.305 | 42276.215 | 27.45  | 28.748 | 25.941 | 1.019 |
| 10/10/2017 7:45  | 467100 | 119.453 | 20.385 | 269.08  | 38519.313 | 42242.48  | 27.426 | 28.725 | 25.961 | 1.019 |
| 10/10/2017 8:00  | 468000 | 119.473 | 20.389 | 269.126 | 38554.094 | 42277.836 | 27.452 | 28.749 | 25.938 | 1.019 |
| 10/10/2017 8:15  | 468900 | 119.445 | 20.387 | 269.062 | 38584.676 | 42312.992 | 27.477 | 28.773 | 25.917 | 1.019 |
| 10/10/2017 8:30  | 469800 | 119.436 | 20.384 | 269.041 | 38558.82  | 42287.199 | 27.458 | 28.755 | 25.934 | 1.019 |
| 10/10/2017 8:45  | 470700 | 119.44  | 20.386 | 269.049 | 38545.945 | 42270.992 | 27.447 | 28.744 | 25.943 | 1.019 |
| 10/10/2017 9:00  | 471600 | 119.44  | 20.385 | 269.049 | 38568.59  | 42297.215 | 27.466 | 28.762 | 25.928 | 1.019 |
| 10/10/2017 9:15  | 472500 | 119.422 | 20.387 | 269.01  | 38560.816 | 42286.605 | 27.458 | 28.755 | 25.933 | 1.019 |
| 10/10/2017 9:30  | 473400 | 119.45  | 20.384 | 269.073 | 38549.816 | 42277.094 | 27.451 | 28.748 | 25.94  | 1.019 |
| 10/10/2017 9:45  | 474300 | 119.459 | 20.385 | 269.092 | 38537.125 | 42262.402 | 27.44  | 28.738 | 25.949 | 1.019 |
| 10/10/2017 10:00 | 475200 | 119.459 | 20.386 | 269.092 | 38552.453 | 42278.504 | 27.452 | 28.749 | 25.939 | 1.019 |
| 10/10/2017 10:15 | 476100 | 119.474 | 20.386 | 269.126 | 38559.57  | 42286.09  | 27.458 | 28.755 | 25.934 | 1.019 |
| 10/10/2017 10:30 | 477000 | 119.488 | 20.385 | 269.158 | 38571.875 | 42300.895 | 27.468 | 28.765 | 25.926 | 1.019 |
| 10/10/2017 10:45 | 477900 | 119.498 | 20.386 | 269.182 | 38560.336 | 42286.691 | 27.458 | 28.755 | 25.933 | 1.019 |
| 10/10/2017 11:00 | 478800 | 119.514 | 20.385 | 269.217 | 38552.727 | 42279.199 | 27.453 | 28.75  | 25.939 | 1.019 |
| 10/10/2017 11:15 | 479700 | 119.528 | 20.382 | 269.249 | 38554.895 | 42284.211 | 27.456 | 28.753 | 25.937 | 1.019 |
| 10/10/2017 11:30 | 480600 | 119.546 | 20.383 | 269.288 | 38561.082 | 42290.063 | 27.46  | 28.757 | 25.933 | 1.019 |
| 10/10/2017 11:45 | 481500 | 119.558 | 20.383 | 269.316 | 38571.219 | 42301.27  | 27.468 | 28.765 | 25.926 | 1.019 |
| 10/10/2017 12:00 | 482400 | 119.578 | 20.385 | 269.361 | 38565.219 | 42293.363 | 27.463 | 28.759 | 25.93  | 1.019 |
| 10/10/2017 12:15 | 483300 | 119.591 | 20.385 | 269.39  | 38545.059 | 42271.254 | 27.447 | 28.744 | 25.944 | 1.019 |
| 10/10/2017 12:30 | 484200 | 119.62  | 20.384 | 269.456 | 38542.449 | 42269.09  | 27.445 | 28.743 | 25.945 | 1.019 |
| 10/10/2017 12:45 | 485100 | 119.627 | 20.384 | 269.472 | 38540.285 | 42266.719 | 27.444 | 28.741 | 25.947 | 1.019 |
| 10/10/2017 13:00 | 486000 | 119.633 | 20.383 | 269.484 | 38581.633 | 42312.84  | 27.477 | 28.773 | 25.919 | 1.019 |
| 10/10/2017 13:15 | 486900 | 119.673 | 20.385 | 269.575 | 38584.672 | 42314.23  | 27.478 | 28.774 | 25.917 | 1.019 |
| 10/10/2017 13:30 | 487800 | 119.689 | 20.384 | 269.612 | 38566.145 | 42295.461 | 27.464 | 28.761 | 25.929 | 1.019 |
| 10/10/2017 13:45 | 488700 | 119.706 | 20.384 | 269.649 | 38578.602 | 42308.973 | 27.474 | 28.77  | 25.921 | 1.019 |
| 10/10/2017 14:00 | 489600 | 119.706 | 20.384 | 269.649 | 38527.16  | 42252.781 | 27.433 | 28.732 | 25.956 | 1.019 |
| 10/10/2017 14:15 | 490500 | 119.728 | 20.385 | 269.698 | 38566.406 | 42294.363 | 27.464 | 28.76  | 25.929 | 1.019 |
| 10/10/2017 14:30 | 491400 | 119.743 | 20.385 | 269.732 | 38536.961 | 42261.988 | 27.44  | 28.738 | 25.949 | 1.019 |
| 10/10/2017 14:45 | 492300 | 119.745 | 20.385 | 269.737 | 38557.551 | 42284.957 | 27.457 | 28.754 | 25.935 | 1.019 |
| 10/10/2017 15:00 | 493200 | 119.751 | 20.383 | 269.75  | 38571.035 | 42301.297 | 27.468 | 28.765 | 25.926 | 1.019 |
| 10/10/2017 15:15 | 494100 | 119.749 | 20.384 | 269.745 | 38555.965 | 42284.066 | 27.456 | 28.753 | 25.936 | 1.019 |
| 10/10/2017 15:30 | 495000 | 119.757 | 20.383 | 269.764 | 38559.727 | 42288.664 | 27.459 | 28.756 | 25.934 | 1.019 |
| 10/10/2017 15:45 | 495900 | 119.75  | 20.385 | 269.748 | 38553.988 | 42281.129 | 27.454 | 28.751 | 25.938 | 1.019 |
| 10/10/2017 16:00 | 496800 | 119.739 | 20.385 | 269.723 | 38580.215 | 42309.344 | 27.474 | 28.77  | 25.92  | 1.019 |
| 10/10/           |        |         |        |         |           |           |        |        |        |       |

|                  |        |         |        |         |           |           |        |        |        |       |
|------------------|--------|---------|--------|---------|-----------|-----------|--------|--------|--------|-------|
| 10/11/2017 14:45 | 578700 | 119.687 | 20.388 | 269.608 | 38548.637 | 42272.477 | 27.448 | 28.745 | 25.941 | 1.019 |
| 10/11/2017 15:00 | 579600 | 119.698 | 20.386 | 269.632 | 38550.176 | 42275.551 | 27.45  | 28.747 | 25.94  | 1.019 |
| 10/11/2017 15:15 | 580500 | 119.7   | 20.386 | 269.636 | 38548.32  | 42274.055 | 27.449 | 28.746 | 25.941 | 1.019 |
| 10/11/2017 15:30 | 581400 | 119.72  | 20.386 | 269.681 | 38566.238 | 42293.246 | 27.463 | 28.759 | 25.929 | 1.019 |
| 10/11/2017 15:45 | 582300 | 119.726 | 20.386 | 269.694 | 38556.434 | 42282.871 | 27.455 | 28.752 | 25.936 | 1.019 |
| 10/11/2017 16:00 | 583200 | 119.721 | 20.387 | 269.684 | 38575.395 | 42302.43  | 27.469 | 28.766 | 25.923 | 1.019 |
| 10/11/2017 16:15 | 584100 | 119.735 | 20.387 | 269.715 | 38582.094 | 42309.547 | 27.475 | 28.77  | 25.919 | 1.019 |
| 10/11/2017 16:30 | 585000 | 119.728 | 20.385 | 269.698 | 38535.809 | 42260.809 | 27.439 | 28.737 | 25.95  | 1.019 |
| 10/11/2017 16:45 | 585900 | 119.735 | 20.388 | 269.715 | 38587.262 | 42314.672 | 27.478 | 28.774 | 25.915 | 1.019 |
| 10/11/2017 17:00 | 586800 | 119.729 | 20.389 | 269.702 | 38569.367 | 42294.508 | 27.464 | 28.76  | 25.927 | 1.019 |
| 10/11/2017 17:15 | 587700 | 119.721 | 20.387 | 269.684 | 38543.027 | 42267.48  | 27.444 | 28.742 | 25.945 | 1.019 |
| 10/11/2017 17:30 | 588600 | 119.716 | 20.387 | 269.671 | 38563.703 | 42289.688 | 27.46  | 28.757 | 25.931 | 1.019 |
| 10/11/2017 17:45 | 589500 | 119.707 | 20.388 | 269.652 | 38563.207 | 42288.375 | 27.459 | 28.756 | 25.931 | 1.019 |
| 10/11/2017 18:00 | 590400 | 119.69  | 20.388 | 269.613 | 38595.066 | 42323.391 | 27.485 | 28.78  | 25.91  | 1.019 |
| 10/11/2017 18:15 | 591300 | 119.675 | 20.389 | 269.58  | 38566.879 | 42291.387 | 27.461 | 28.758 | 25.929 | 1.019 |
| 10/11/2017 18:30 | 592200 | 119.665 | 20.39  | 269.557 | 38570.426 | 42294.891 | 27.464 | 28.761 | 25.927 | 1.019 |
| 10/11/2017 18:45 | 593100 | 119.645 | 20.389 | 269.511 | 38570.73  | 42295.305 | 27.464 | 28.761 | 25.926 | 1.019 |
| 10/11/2017 19:00 | 594000 | 119.62  | 20.389 | 269.456 | 38559.051 | 42283.344 | 27.456 | 28.753 | 25.934 | 1.019 |
| 10/11/2017 19:15 | 594900 | 119.601 | 20.388 | 269.412 | 38564.164 | 42289.34  | 27.46  | 28.757 | 25.931 | 1.019 |
| 10/11/2017 19:30 | 595800 | 119.574 | 20.389 | 269.352 | 38522.738 | 42243.449 | 27.427 | 28.726 | 25.959 | 1.019 |
| 10/11/2017 19:45 | 596700 | 119.557 | 20.39  | 269.313 | 38577.262 | 42302     | 27.469 | 28.765 | 25.922 | 1.019 |
| 10/11/2017 20:00 | 597600 | 119.523 | 20.391 | 269.237 | 38539.711 | 42259.898 | 27.439 | 28.737 | 25.947 | 1.019 |
| 10/11/2017 20:15 | 598500 | 119.505 | 20.388 | 269.197 | 38566.902 | 42292.656 | 27.462 | 28.759 | 25.929 | 1.019 |
| 10/11/2017 20:30 | 599400 | 119.469 | 20.389 | 269.115 | 38580.043 | 42305.824 | 27.472 | 28.768 | 25.92  | 1.019 |
| 10/11/2017 20:45 | 600300 | 119.45  | 20.387 | 269.073 | 38540.496 | 42264.32  | 27.442 | 28.74  | 25.947 | 1.019 |
| 10/11/2017 21:00 | 601200 | 119.425 | 20.39  | 269.016 | 38554.703 | 42277.266 | 27.451 | 28.749 | 25.937 | 1.019 |
| 10/11/2017 21:15 | 602100 | 119.39  | 20.391 | 268.938 | 38566.074 | 42288.563 | 27.46  | 28.756 | 25.93  | 1.019 |
| 10/11/2017 21:30 | 603000 | 119.373 | 20.392 | 268.9   | 38540.27  | 42259.891 | 27.439 | 28.737 | 25.947 | 1.019 |
| 10/11/2017 21:45 | 603900 | 119.342 | 20.39  | 268.83  | 38563.438 | 42286.457 | 27.458 | 28.755 | 25.931 | 1.019 |
| 10/11/2017 22:00 | 604800 | 119.326 | 20.392 | 268.795 | 38564.594 | 42286.258 | 27.458 | 28.755 | 25.931 | 1.019 |
| 10/11/2017 22:15 | 605700 | 119.31  | 20.389 | 268.757 | 38559.07  | 42282.676 | 27.455 | 28.752 | 25.934 | 1.019 |
| 10/11/2017 22:30 | 606600 | 119.286 | 20.39  | 268.704 | 38547.383 | 42269.004 | 27.445 | 28.743 | 25.942 | 1.019 |
| 10/11/2017 22:45 | 607500 | 119.265 | 20.388 | 268.656 | 38553.863 | 42277.734 | 27.452 | 28.749 | 25.938 | 1.019 |
| 10/11/2017 23:00 | 608400 | 119.247 | 20.387 | 268.615 | 38564.648 | 42290.414 | 27.461 | 28.757 | 25.93  | 1.019 |
| 10/11/2017 23:15 | 609300 | 119.246 | 20.39  | 268.612 | 38564.594 | 42287.957 | 27.459 | 28.756 | 25.931 | 1.019 |
| 10/11/2017 23:30 | 610200 | 119.22  | 20.388 | 268.555 | 38526.547 | 42247.938 | 27.43  | 28.729 | 25.956 | 1.019 |
| 10/11/2017 23:45 | 611100 | 119.215 | 20.386 | 268.544 | 38550.047 | 42275.332 | 27.45  | 28.747 | 25.94  | 1.019 |

|                       |                                                           |        |                |
|-----------------------|-----------------------------------------------------------|--------|----------------|
| Report Date:          | 10/13/2017 8:35                                           |        |                |
| Report User Name:     | WMassoll                                                  |        |                |
| Report Computer Name: | WKST52                                                    |        |                |
| Application:          | WinSitu.exe                                               |        |                |
| Application Version:  | 5.6.27.1                                                  |        |                |
|                       |                                                           |        |                |
| Log File Properties   |                                                           |        |                |
| File Name             | MPWSP MW-4M LT Test_2017-10-12_09-53-42-879-BaroMerge.wsl |        |                |
| Create Date           | 10/13/2017 8:31                                           |        |                |
|                       |                                                           |        |                |
| Device Properties     |                                                           |        |                |
| Device                | Aqua TROLL 200                                            |        |                |
| Site                  | MPWSP MW-4M                                               |        |                |
| Device Name           |                                                           |        |                |
| Serial Number         | 428901                                                    |        |                |
| Firmware Version      | 2.01                                                      |        |                |
| Hardware Version      | 3                                                         |        |                |
| Device Address        | 1                                                         |        |                |
| Device Comm Cfg       | 19200                                                     | 8 Even | 1 (Modbus-RTU) |
| Used Memory           | 0                                                         |        |                |
| Used Battery          | 14                                                        |        |                |
|                       |                                                           |        |                |
| Log Configuration     |                                                           |        |                |
| Log Name              | MPWSP MW-4M LT Test                                       |        |                |
| Created By            | ANorris                                                   |        |                |
| Computer Name         | PROBOOK10                                                 |        |                |
| Application           | WinSitu.exe                                               |        |                |
| Application Version   | 5.6.27.1                                                  |        |                |
| Create Date           | 10/1/2016 7:44:55 PM Pacific Daylight Time                |        |                |
| Log Setup Time Zone   | Pacific Daylight Time                                     |        |                |
| Notes Size(bytes)     | 4096                                                      |        |                |
| Overwrite when full   | Enabled                                                   |        |                |
| Scheduled Start Time  | 10/1/2016 7:50:00 PM Pacific Daylight Time                |        |                |
| Scheduled Stop Time   | No Stop Time                                              |        |                |
| Type                  | Linear                                                    |        |                |
| Interval              | Days: 0 hrs: 00 mins: 05 secs: 00                         |        |                |

|                                          |                              |                  |  |
|------------------------------------------|------------------------------|------------------|--|
| Level Reference Settings At Log Creation | Level Measurement Mode       | Depth            |  |
|                                          | Specific Gravity             | 1.012            |  |
|                                          |                              |                  |  |
| Other Log Settings                       | Depth of Probe:              | 197.555 (ft)     |  |
|                                          | Head Pressure:               | 86.6734 (PSI)    |  |
|                                          | Temperature:                 | 17.9975 (C)      |  |
|                                          | Specific Conductivity Model: | Standard Methods |  |
|                                          | Reference Temperature:       | 25               |  |
|                                          | Temperature Coefficient:     | 0.0191           |  |
|                                          | TDS Factor:                  | 0.68             |  |

| Note             |                                                                                                                                                          |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10/1/2016 19:45  | Used Battery: 14% Used Memory: 3% User Name: ANorris                                                                                                     |
| 10/2/2016 11:27  | Log Download - Used Battery: 14% Used Memory: 3% User Name: ANorris Interval - Start Time: 10/1/2016 7:50:00 PM Stop Time: 10/2/2016 12:30:00 PM         |
| 10/6/2016 17:03  | Log Download - Used Battery: 15% Used Memory: 4% User Name: Skuiiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/6/2016 5:15:00 PM        |
| 10/13/2016 19:37 | Log Download - Used Battery: 16% Used Memory: 6% User Name: Skuiiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 7:30:00 PM       |
| 10/20/2016 19:34 | Log Download - Used Battery: 16% Used Memory: 9% User Name: Skuiiper Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 7:30:00 PM      |
| 10/27/2016 12:16 | Log Download - Used Battery: 17% Used Memory: 10% User Name: Skuiiper Interval - Start Time: 10/19/2016 10:00:00 PM Stop Time: 10/27/2016 1:00:00 PM     |
| 11/3/2016 17:11  | Log Download - Used Battery: 18% Used Memory: 14% User Name: Skuiiper Interval - Start Time: 9/30/2016 7:50:00 PM Stop Time: 11/3/2016 5:10:00 PM        |
| 11/11/2016 9:25  | Log Download - Used Battery: 19% Used Memory: 17% User Name: Skuiiper Interval - Start Time: 11/2/2016 10:00:00 PM Stop Time: 11/11/2016 9:25:00 AM      |
| 11/17/2016 7:21  | Log Download - Used Battery: 19% Used Memory: 18% User Name: Skuiiper Interval - Start Time: 11/9/2016 10:00:00 PM Stop Time: 11/17/2016 10:30:00 AM     |
| 11/24/2016 16:40 | Log Download - Used Battery: 20% Used Memory: 21% User Name: Skuiiper Interval - Start Time: 11/15/2016 10:00:00 PM Stop Time: 11/24/2016 4:35:00 PM     |
| 12/2/2016 8:25   | Log Download - Used Battery: 21% Used Memory: 23% User Name: Skuiiper Interval - Start Time: 10/31/2016 10:00:00 PM Stop Time: 12/2/2016 8:15:00 AM      |
| 12/8/2016 17:30  | Log Download - Used Battery: 21% Used Memory: 26% User Name: Skuiiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 12/8/2016 5:25:00 PM      |
| 12/15/2016 16:18 | Log Download - Used Battery: 22% Used Memory: 28% User Name: Skuiiper Interval - Start Time: 12/7/2016 10:00:00 PM Stop Time: 12/15/2016 4:15:00 PM      |
| 12/22/2016 15:05 | Log Download - Used Battery: 23% Used Memory: 31% User Name: ANorris Interval - Start Time: 12/14/2016 10:00:00 PM Stop Time: 12/22/2016 4:05:00 PM      |
| 1/5/2017 12:42   | Log Download - Used Battery: 24% Used Memory: 35% User Name: Skuiiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 1/5/2017 12:40:00 PM      |
| 1/12/2017 17:25  | Log Download - Used Battery: 25% Used Memory: 39% User Name: Skuiiper Interval - Start Time: 1/4/2017 10:00:00 PM Stop Time: 1/12/2017 5:25:00 PM        |
| 1/19/2017 13:56  | Log Download - Used Battery: 26% Used Memory: 40% User Name: EHernandez Interval - Start Time: 1/11/2017 10:00:00 PM Stop Time: 1/19/2017 2:55:00 PM     |
| 1/27/2017 7:32   | Log Download - Used Battery: 27% Used Memory: 43% User Name: Skuiiper Interval - Start Time: 1/18/2017 10:00:00 PM Stop Time: 1/27/2017 7:30:00 AM       |
| 2/2/2017 17:14   | Log Download - Used Battery: 27% Used Memory: 45% User Name: WMassoll Interval - Start Time: 12/31/2016 10:00:00 PM Stop Time: 2/2/2017 6:10:00 PM       |
| 2/9/2017 15:56   | Log Download - Used Battery: 28% Used Memory: 48% User Name: EHernandez Interval - Start Time: 2/1/2017 12:00:00 AM Stop Time: 2/9/2017 3:55:00 PM       |
| 2/16/2017 15:07  | Log Download - Used Battery: 29% Used Memory: 50% User Name: WMassoll Interval - Start Time: 2/8/2017 10:00:00 PM Stop Time: 2/16/2017 4:05:00 PM        |
| 2/23/2017 15:40  | Log Download - Used Battery: 30% Used Memory: 53% User Name: EHernandez Interval - Start Time: 2/15/2017 12:00:00 AM Stop Time: 2/23/2017 4:40:00 PM     |
| 3/2/2017 16:44   | Log Download - Used Battery: 30% Used Memory: 56% User Name: Skuiiper Interval - Start Time: 1/31/2017 10:00:00 PM Stop Time: 3/2/2017 5:40:00 PM        |
| 3/9/2017 17:33   | Log Download - Used Battery: 31% Used Memory: 57% User Name: WMassoll Interval - Start Time: 3/3/2017 8:15:00 AM Stop Time: 3/9/2017 6:30:00 PM          |
| 3/16/2017 15:41  | Log Download - Used Battery: 31% Used Memory: 57% User Name: WMassoll Interval - Start Time: 3/1/2017 8:15:00 AM Stop Time: 3/10/2017 3:40:00 PM         |
| 3/16/2017 18:41  | Log Download - Used Battery: 32% Used Memory: 60% User Name: WMassoll Interval - Start Time: 3/8/2017 10:00:00 PM Stop Time: 3/16/2017 6:40:00 PM        |
| 3/23/2017 7:01   | Log Download - Used Battery: 32% Used Memory: 62% User Name: AVanHaitsma Interval - Start Time: 3/15/2017 10:00:00 PM Stop Time: 3/23/2017 8:00:00 AM    |
| 3/30/2017 9:27   | Log Download - Used Battery: 33% Used Memory: 65% User Name: AVanHaitsma Interval - Start Time: 3/22/2017 10:00:00 PM Stop Time: 3/30/2017 10:25:00 AM   |
| 4/6/2017 18:04   | Log Download - Used Battery: 34% Used Memory: 67% User Name: WMassoll Interval - Start Time: 2/28/2017 1:05:00 AM Stop Time: 4/6/2017 7:29:58 PM         |
| 4/13/2017 18:37  | Log Download - Used Battery: 35% Used Memory: 70% User Name: WMassoll Interval - Start Time: 4/5/2017 12:00:00 PM Stop Time: 4/13/2017 10:35:00 PM       |
| 4/20/2017 7:00   | Log Download - Used Battery: 35% Used Memory: 71% User Name: AVanHaitsma Interval - Start Time: 4/12/2017 10:00:00 PM Stop Time: 4/20/2017 7:00:00 AM    |
| 4/27/2017 18:38  | Log Download - Used Battery: 36% Used Memory: 75% User Name: WMassoll Interval - Start Time: 4/19/2017 10:00:00 PM Stop Time: 4/27/2017 8:35:00 PM       |
| 5/4/2017 13:09   | Log Download - Used Battery: 37% Used Memory: 78% User Name: AVanHaitsma Interval - Start Time: 3/31/2017 10:00:00 PM Stop Time: 5/4/2017 2:05:00 PM     |
| 5/11/2017 7:07   | Log Download - Used Battery: 38% Used Memory: 79% User Name: AVanHaitsma Interval - Start Time: 5/3/2017 10:00:00 PM Stop Time: 5/11/2017 7:00:00 AM     |
| 5/11/2017 7:21   | Log Download - Used Battery: 38% Used Memory: 79% User Name: AVanHaitsma Interval - Start Time: 5/3/2017 10:00:00 PM Stop Time: 5/11/2017 7:15:00 AM     |
| 5/18/2017 18:41  | Log Download - Used Battery: 38% Used Memory: 82% User Name: WMassoll Interval - Start Time: 5/10/2017 10:00:00 PM Stop Time: 5/18/2017 7:40:00 PM       |
| 5/25/2017 7:00   | Log Download - Used Battery: 39% Used Memory: 84% User Name: AVanHaitsma Interval - Start Time: 5/17/2017 10:00:00 PM Stop Time: 5/25/2017 8:00:00 AM    |
| 6/1/2017 18:03   | Log Download - Used Battery: 40% Used Memory: 87% User Name: WMassoll Interval - Start Time: 4/30/2017 10:00:00 PM Stop Time: 6/1/2017 7:00:00 PM        |
| 6/8/2017 17:21   | Log Download - Used Battery: 41% Used Memory: 90% User Name: WMassoll Interval - Start Time: 5/31/2017 10:00:00 PM Stop Time: 6/8/2017 6:20:00 PM        |
| 6/15/2017 7:10   | Log Download - Used Battery: 41% Used Memory: 92% User Name: AVanHaitsma Interval - Start Time: 6/7/2017 10:00:00 PM Stop Time: 6/15/2017 8:05:00 AM     |
| 6/22/2017 6:31   | Log Download - Used Battery: 42% Used Memory: 95% User Name: AVanHaitsma Interval - Start Time: 6/14/2017 10:00:00 PM Stop Time: 6/22/2017 7:30:00 AM    |
| 6/29/2017 15:50  | Log Download - Used Battery: 43% Used Memory: 96% User Name: WMassoll Interval - Start Time: 6/21/2017 10:00:00 PM Stop Time: 6/29/2017 4:45:00 PM       |
| 7/6/2017 9:15    | Log Download - Used Battery: 44% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 5/31/2017 10:00:00 PM Stop Time: 7/6/2017 10:10:00 AM   |
| 7/13/2017 17:37  | Log Download - Used Battery: 44% Used Memory: 100% User Name: WMassoll Interval - Start Time: 7/5/2017 10:00:00 PM Stop Time: 7/13/2017 6:35:00 PM       |
| 7/20/2017 17:08  | Log Download - Used Battery: 45% Used Memory: 100% User Name: WMassoll Interval - Start Time: 7/12/2017 10:00:00 PM Stop Time: 7/20/2017 6:05:00 PM      |
| 7/27/2017 6:42   | Log Download - Used Battery: 46% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 7/19/2017 10:00:00 PM Stop Time: 7/27/2017 7:40:00 AM   |
| 8/3/2017 6:21    | Log Download - Used Battery: 47% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 6/30/2017 10:00:00 PM Stop Time: 8/3/2017 7:20:00 AM    |
| 8/10/2017 15:27  | Log Download - Used Battery: 47% Used Memory: 100% User Name: WMassoll Interval - Start Time: 8/2/2017 10:00:00 PM Stop Time: 8/10/2017 4:25:00 PM       |
| 8/17/2017 15:11  | Log Download - Used Battery: 48% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 8/9/2017 10:00:00 PM Stop Time: 8/17/2017 4:10:00 PM    |
| 8/24/2017 14:30  | Log Download - Used Battery: 49% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 8/16/2017 10:00:00 PM Stop Time: 8/24/2017 3:30:00 PM   |
| 9/1/2017 17:01   | Log Download - Used Battery: 50% Used Memory: 100% User Name: WMassoll Interval - Start Time: 7/31/2017 10:00:00 PM Stop Time: 9/1/2017 6:00:00 PM       |
| 9/7/2017 14:15   | Log Download - Used Battery: 50% Used Memory: 100% User Name: WMassoll Interval - Start Time: 8/31/2017 10:00:00 PM Stop Time: 9/7/2017 2:10:00 PM       |
| 9/14/2017 10:03  | Log Download - Used Battery: 51% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 9/6/2017 10:00:00 PM Stop Time: 9/14/2017 11:00:00 AM   |
| 9/21/2017 13:19  | Log Download - Used Battery: 52% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 9/13/2017 10:00:00 PM Stop Time: 9/21/2017 2:15:00 PM   |
| 9/28/2017 17:55  | Log Download - Used Battery: 53% Used Memory: 100% User Name: WMassoll Interval - Start Time: 9/20/2017 10:00:00 PM Stop Time: 9/28/2017 5:55:00 PM      |
| 10/5/2017 18:35  | Log Download - Used Battery: 53% Used Memory: 100% User Name: WMassoll Interval - Start Time: 8/31/2017 10:00:00 PM Stop Time: 10/5/2017 7:30:00 PM      |
| 10/12/2017 9:51  | Log Download - Used Battery: 54% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 10/4/2017 10:00:00 PM Stop Time: 10/12/2017 10:50:00 AM |
| 10/13/2017 8:31  | User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll_2017-10-12_14-36-585.wsl"                                                      |

|              |      |                                      |  |
|--------------|------|--------------------------------------|--|
| Log Data:    |      |                                      |  |
| Record Count | 2159 |                                      |  |
|              |      |                                      |  |
| Sensors      | 2    |                                      |  |
|              | 1    | 428901 PCTD 100 PSIA (60.1m/197.3ft) |  |
|              | 2    | 0 Baro-Adjustment Calc               |  |
|              |      |                                      |  |

| Date and Time  | Elapsed Time<br>Seconds | Sensor: PCTD(A) 197.3ft<br>SNR: 428901 |                | Sensor: PCTD(A) 197.3ft<br>SNR: 428901 |           | Sensor: PCTD(A) 197.3ft<br>SNR: 428901 |                             | Sensor: PCTD(A) 197.3ft<br>SNR: 428901 |  |
|----------------|-------------------------|----------------------------------------|----------------|----------------------------------------|-----------|----------------------------------------|-----------------------------|----------------------------------------|--|
|                |                         | Corrected                              | Pressure (PSI) | Temperature (C)                        | Corrected | Depth (ft)                             | Actual Conductivity (µS/cm) |                                        |  |
|                |                         | Corrected                              | Corrected      | Corrected                              | Corrected | Corrected                              | Corrected                   |                                        |  |
| 10/5/2017 0:00 | 7200                    | 72.907                                 | 17.953         | 166.178                                | 29937.4   |                                        |                             |                                        |  |
| 10/5/2017 0:05 | 7500                    | 72.909                                 | 17.953         | 166.182                                | 29952.8   |                                        |                             |                                        |  |
| 10/5/2017 0:10 | 7800                    | 72.909                                 | 17.953         | 166.183                                | 29935.8   |                                        |                             |                                        |  |
| 10/5/2017 0:15 | 8100                    | 72.909                                 | 17.954         | 166.183                                | 29945.1   |                                        |                             |                                        |  |
| 10/5/2017 0:20 | 8400                    | 72.935                                 | 17.953         | 166.242                                | 29951.9   |                                        |                             |                                        |  |
| 10/5/2017 0:25 | 8700                    | 72.933                                 | 17.954         | 166.238                                | 29947.8   |                                        |                             |                                        |  |
| 10/5/2017 0:30 | 9000                    | 72.908                                 | 17.954         | 166.179                                | 29947.0   |                                        |                             |                                        |  |
| 10/5/2017 0:35 | 9300                    | 72.935                                 | 17.953         | 166.241                                | 29932.3   |                                        |                             |                                        |  |
| 10/5/2017 0:40 | 9600                    | 72.917                                 | 17.954         | 166.199                                | 29963.5   |                                        |                             |                                        |  |
| 10/5/2017 0:45 | 9900                    | 72.937                                 | 17.953         | 166.245                                | 29944.9   |                                        |                             |                                        |  |
| 10/5/2017 0:50 | 10200                   | 72.921                                 | 17.954         | 166.21                                 | 29959.4   |                                        |                             |                                        |  |
| 10/5/2017 0:55 | 10500                   | 72.918                                 | 17.953         | 166.202                                | 29925.7   |                                        |                             |                                        |  |
| 10/5/2017 1:00 | 10800                   | 72.942                                 | 17.953         | 166.257                                | 29953.7   |                                        |                             |                                        |  |
| 10/5/2017 1:05 | 11100                   | 72.92                                  | 17.953         | 166.206                                | 29938.7   |                                        |                             |                                        |  |
| 10/5/2017 1:10 | 11400                   | 72.921                                 | 17.954         | 166.209                                | 29954.7   |                                        |                             |                                        |  |
| 10/5/2017 1:15 | 11700                   | 72.933                                 | 17.954         | 166.236                                | 29956.0   |                                        |                             |                                        |  |
| 10/5/2017 1:20 | 12000                   | 72.912                                 | 17.954         | 166.188                                | 29953.1   |                                        |                             |                                        |  |
| 10/5/2017 1:25 | 12300                   | 72.935                                 | 17.954         | 166.242                                | 29947.4   |                                        |                             |                                        |  |
| 10/5/2017 1:30 | 12600                   | 72.932                                 | 17.954         | 166.234                                | 29952.1   |                                        |                             |                                        |  |
| 10/5/2017 1:35 | 12900                   | 72.933                                 | 17.954         | 166.237                                | 29959.6   |                                        |                             |                                        |  |
| 10/5/2017 1:40 | 13200                   | 72.931                                 | 17.953         | 166.232                                | 29942.5   |                                        |                             |                                        |  |
| 10/5/2017 1:45 | 13500                   | 72.909                                 | 17.954         | 166.182                                | 29936.2   |                                        |                             |                                        |  |
| 10/5/2017 1:50 | 13800                   | 72.912                                 | 17.953         | 166.189                                | 29944.0   |                                        |                             |                                        |  |
| 10/5/2017 1:55 | 14100                   | 72.906                                 | 17.954         | 166.175                                | 29938.1   |                                        |                             |                                        |  |
| 10/5/2017 2:00 | 14400                   | 72.907                                 | 17.953         | 166.178                                | 29951.8   |                                        |                             |                                        |  |
| 10/5/2017 2:05 | 14700                   | 72.928                                 | 17.953         | 166.226                                | 29936.7   |                                        |                             |                                        |  |
| 10/5/2017 2:10 | 15000                   | 72.909                                 | 17.954         | 166.183                                | 29948.6   |                                        |                             |                                        |  |
| 10/5/2017 2:15 | 15300                   | 72.919                                 | 17.953         | 166.205                                | 29963.3   |                                        |                             |                                        |  |
| 10/5/2017 2:20 | 15600                   | 72.92                                  | 17.954         | 166.206                                | 29939.9   |                                        |                             |                                        |  |
| 10/5/2017 2:25 | 15900                   | 72.914                                 | 17.954         | 166.193                                | 29948.8   |                                        |                             |                                        |  |
| 10/5/2017 2:30 | 16200                   | 72.894                                 | 17.953         | 166.149                                | 29942.3   |                                        |                             |                                        |  |
| 10/5/2017 2:35 | 16500                   | 72.892                                 | 17.953         | 166.144                                | 29941.6   |                                        |                             |                                        |  |
| 10/5/2017 2:40 | 16800                   | 72.891                                 | 17.953         | 166.14                                 | 29964.7   |                                        |                             |                                        |  |
| 10/5/2017 2:45 | 17100                   | 72.893                                 | 17.954         | 166.146                                | 29953.3   |                                        |                             |                                        |  |
| 10/5/2017 2:50 | 17400                   | 72.891                                 | 17.954         | 166.141                                | 29953.2   |                                        |                             |                                        |  |
| 10/5/2017 2:55 | 17700                   | 72.909                                 | 17.953         | 166.182                                | 29956.5   |                                        |                             |                                        |  |
| 10/5/2017 3:00 | 18000                   | 72.911                                 | 17.954         | 166.186                                | 29924     |                                        |                             |                                        |  |
| 10/5/2017 3:05 | 18300                   | 72.886                                 | 17.954         | 166.13                                 | 29940     |                                        |                             |                                        |  |
| 10/5/2017 3:10 | 18600                   | 72.883                                 | 17.954         | 166.123                                | 29962.6   |                                        |                             |                                        |  |
| 10/5/2017 3:15 | 18900                   | 72.874                                 | 17.954         | 166.103                                | 29951.6   |                                        |                             |                                        |  |
| 10/5/2017 3:20 | 19200                   | 72.876                                 | 17.954         | 166.106                                | 29943.0   |                                        |                             |                                        |  |
| 10/5/2017 3:25 | 19500                   | 72.883                                 | 17.953         | 166.122                                | 29939.7   |                                        |                             |                                        |  |
| 10/5/2017 3:30 | 19800                   | 72.878                                 | 17.954         | 166.108                                | 29947.1   |                                        |                             |                                        |  |
| 10/5/2017 3:35 | 20100                   | 72.893                                 | 17.953         | 166.146                                | 29955.9   |                                        |                             |                                        |  |
| 10/5/2017 3:40 | 20400                   | 72.874                                 | 17.954         | 166.101                                | 29949.7   |                                        |                             |                                        |  |
| 10/5/2017 3:45 | 20700                   | 72.872                                 | 17.953         | 166.098                                | 29941.6   |                                        |                             |                                        |  |
| 10/5/2017 3:50 | 21000                   | 72.871                                 | 17.954         | 166.095                                | 29946.5   |                                        |                             |                                        |  |
| 10/5/2017 3:55 | 21300                   | 72.888                                 | 17.954         | 166.134                                | 29954.6   |                                        |                             |                                        |  |
| 10/5/2017 4:00 | 21600                   | 72.866                                 | 17.954         | 166.083                                | 29923.3   |                                        |                             |                                        |  |
| 10/5/2017 4:05 | 21900                   | 72.865                                 | 17.954         | 166.082                                | 29932.1   |                                        |                             |                                        |  |
| 10/5/2017 4:10 | 22200                   | 72.879                                 | 17.954         | 166.114                                | 29951.3   |                                        |                             |                                        |  |
| 10/5/2017 4:15 | 22500                   | 72.878                                 | 17.953         | 166.111                                | 29933.9   |                                        |                             |                                        |  |
| 10/5/2017 4:20 | 22800                   | 72.873                                 | 17.954         | 166.1                                  | 29946.6   |                                        |                             |                                        |  |
| 10/5/2017 4:25 | 23100                   | 72.854                                 | 17.954         | 166.056                                | 29950.5   |                                        |                             |                                        |  |
| 10/5/2017 4:30 | 23400                   | 72.878                                 | 17.954         | 166.112                                | 29953.6   |                                        |                             |                                        |  |
| 10/5/2017 4:35 | 23700                   | 72.858                                 | 17.953         | 166.066                                | 29950.3   |                                        |                             |                                        |  |
| 10/5/2017 4:40 | 24000                   | 72.871                                 | 17.953         | 166.095                                | 29948.8   |                                        |                             |                                        |  |
| 10/5/2017 4:45 | 24300                   | 72.852                                 | 17.954         | 166.052                                | 29938.9   |                                        |                             |                                        |  |
| 10/5/2017 4:50 | 24600                   | 72.868                                 | 17.953         | 166.09                                 | 29942.0   |                                        |                             |                                        |  |
| 10/5/2017 4:55 | 24900                   | 72.847                                 | 17.953         | 166.041                                | 29946.6   |                                        |                             |                                        |  |
| 10/5/2017 5:00 | 25200                   | 72.851                                 | 17.953         | 166.049                                | 29958.8   |                                        |                             |                                        |  |
| 10/5/2017 5:05 | 25500                   | 72.842                                 | 17.953         | 166.03                                 | 29944.4   |                                        |                             |                                        |  |
| 10/5/2017 5:10 | 25800                   | 72.859                                 | 17.954         | 166.069                                | 29951.8   |                                        |                             |                                        |  |
| 10/5/2017 5:15 | 26100                   | 72.853                                 | 17.954         | 166.054                                | 29951.3   |                                        |                             |                                        |  |
| 10/5/2017 5:20 | 26400                   | 72.841                                 | 17.953         | 166.027                                | 29952.7   |                                        |                             |                                        |  |
| 10/5/2017 5:25 | 26700                   | 72.844                                 | 17.954         | 166.033                                | 29940.3   |                                        |                             |                                        |  |
| 10/5/2017 5:30 | 27000                   | 72.846                                 | 17.954         | 166.038                                | 29939.7   |                                        |                             |                                        |  |
| 10/5/2017 5:35 | 27300                   | 72.843                                 | 17.953         | 166.032                                | 29957.1   |                                        |                             |                                        |  |
| 10/5/2017 5:40 | 27600                   | 72.861                                 | 17.954         | 166.072                                | 29940     |                                        |                             |                                        |  |
| 10/5/2017 5:45 | 27900                   | 72.854                                 | 17.954         | 166.056                                | 29947.9   |                                        |                             |                                        |  |
| 10/5/2017 5:50 | 28200                   | 72.838                                 | 17.954         | 166.021                                | 29956.6   |                                        |                             |                                        |  |
| 10/5/2017 5:55 | 28500                   | 72.839                                 | 17.953         | 166.023                                | 29933.0   |                                        |                             |                                        |  |
| 10/5/2017 6:00 | 28800                   | 72.836                                 | 17.954         | 166.015                                | 29956.9   |                                        |                             |                                        |  |
| 10/5/2017 6:05 | 29100                   | 72.837                                 | 17.953         | 166.019                                | 29938.7   |                                        |                             |                                        |  |
| 10/5/2017 6:10 | 29400                   | 72.836                                 | 17.954         | 166.017                                | 29935.0   |                                        |                             |                                        |  |
| 10/5/2017 6:15 | 29700                   | 72.834                                 | 17.954         | 166.012                                | 29943     |                                        |                             |                                        |  |
| 10/5/2017 6:20 | 30000                   | 72.833                                 | 17.954         | 166.009                                | 29949.6   |                                        |                             |                                        |  |

|                 |       |        |        |         |           |           |        |           |        |       |        |
|-----------------|-------|--------|--------|---------|-----------|-----------|--------|-----------|--------|-------|--------|
| 10/5/2017 6:25  | 30300 | 72.835 | 17.954 | 166.014 | 29944.117 | 34600.707 | 21.918 | 23528.482 | 33.396 | 1.015 | 14.738 |
| 10/5/2017 6:30  | 30600 | 72.855 | 17.954 | 166.059 | 29951.873 | 34609.871 | 21.924 | 23534.713 | 33.387 | 1.015 | 14.738 |
| 10/5/2017 6:35  | 30900 | 72.836 | 17.953 | 166.016 | 29942.68  | 34599.379 | 21.917 | 23527.578 | 33.397 | 1.015 | 14.738 |
| 10/5/2017 6:40  | 31200 | 72.854 | 17.953 | 166.058 | 29936.758 | 34592.609 | 21.912 | 23522.977 | 33.404 | 1.015 | 14.739 |
| 10/5/2017 6:45  | 31500 | 72.85  | 17.954 | 166.046 | 29954.088 | 34612.434 | 21.926 | 23536.457 | 33.384 | 1.015 | 14.739 |
| 10/5/2017 6:50  | 31800 | 72.857 | 17.953 | 166.062 | 29944.977 | 34602.234 | 21.919 | 23529.524 | 33.395 | 1.015 | 14.738 |
| 10/5/2017 6:55  | 32100 | 72.836 | 17.954 | 166.015 | 29947.254 | 34604.402 | 21.921 | 23530.994 | 33.392 | 1.015 | 14.739 |
| 10/5/2017 7:00  | 32400 | 72.839 | 17.954 | 166.022 | 29949.338 | 34606.738 | 21.922 | 23532.584 | 33.39  | 1.015 | 14.735 |
| 10/5/2017 7:05  | 32700 | 72.84  | 17.953 | 166.026 | 29953.129 | 34611.656 | 21.926 | 23535.928 | 33.385 | 1.015 | 14.737 |
| 10/5/2017 7:10  | 33000 | 72.86  | 17.954 | 166.069 | 29934.205 | 34589.391 | 21.91  | 23520.787 | 33.407 | 1.015 | 14.738 |
| 10/5/2017 7:15  | 33300 | 72.839 | 17.954 | 166.023 | 29951.898 | 34609.566 | 21.924 | 23534.508 | 33.387 | 1.015 | 14.74  |
| 10/5/2017 7:20  | 33600 | 72.84  | 17.954 | 166.025 | 29943.335 | 34592.973 | 21.913 | 23523.223 | 33.403 | 1.015 | 14.737 |
| 10/5/2017 7:25  | 33900 | 72.861 | 17.953 | 166.072 | 29957.91  | 34617.18  | 21.929 | 23539.682 | 33.38  | 1.015 | 14.735 |
| 10/5/2017 7:30  | 34200 | 72.85  | 17.953 | 166.074 | 29942.297 | 34589.938 | 21.917 | 23527.279 | 33.398 | 1.015 | 14.732 |
| 10/5/2017 7:35  | 34500 | 72.846 | 17.954 | 166.039 | 29955.418 | 34613.84  | 21.927 | 23537.412 | 33.383 | 1.015 | 14.733 |
| 10/5/2017 7:40  | 34800 | 72.847 | 17.954 | 166.04  | 29930.721 | 34585.301 | 21.907 | 23518.006 | 33.41  | 1.015 | 14.735 |
| 10/5/2017 7:45  | 35100 | 72.846 | 17.953 | 166.039 | 29947.029 | 34604.605 | 21.921 | 23531.133 | 33.392 | 1.015 | 14.737 |
| 10/5/2017 7:50  | 35400 | 72.848 | 17.954 | 166.044 | 29948.869 | 34606.402 | 21.922 | 23532.354 | 33.39  | 1.015 | 14.738 |
| 10/5/2017 7:55  | 35700 | 72.852 | 17.953 | 166.052 | 29962.293 | 34622.117 | 21.933 | 23543.039 | 33.375 | 1.015 | 14.74  |
| 10/5/2017 8:00  | 36000 | 72.868 | 17.953 | 166.09  | 29953.832 | 34612.34  | 21.926 | 23536.393 | 33.385 | 1.015 | 14.742 |
| 10/5/2017 8:05  | 36300 | 72.849 | 17.954 | 166.045 | 29959.852 | 34618.887 | 21.931 | 23540.844 | 33.378 | 1.015 | 14.743 |
| 10/5/2017 8:10  | 36600 | 72.848 | 17.954 | 166.043 | 29947.689 | 34605.105 | 21.921 | 23531.473 | 33.392 | 1.015 | 14.744 |
| 10/5/2017 8:15  | 36900 | 72.87  | 17.954 | 166.093 | 29960.828 | 34620.016 | 21.931 | 23541.613 | 33.377 | 1.015 | 14.745 |
| 10/5/2017 8:20  | 37200 | 72.855 | 17.954 | 166.058 | 29952.682 | 34610.343 | 21.925 | 23535.172 | 33.386 | 1.015 | 14.743 |
| 10/5/2017 8:25  | 37500 | 72.877 | 17.953 | 166.109 | 29938.523 | 34594.98  | 21.914 | 23524.59  | 33.402 | 1.015 | 14.74  |
| 10/5/2017 8:30  | 37800 | 72.88  | 17.954 | 166.115 | 29952.205 | 34610.324 | 21.925 | 23535.023 | 33.387 | 1.015 | 14.738 |
| 10/5/2017 8:35  | 38100 | 72.865 | 17.954 | 166.083 | 29959.934 | 34618.98  | 21.931 | 23540.906 | 33.378 | 1.015 | 14.739 |
| 10/5/2017 8:40  | 38400 | 72.865 | 17.953 | 166.082 | 29950.385 | 34608.355 | 21.923 | 23533.682 | 33.389 | 1.015 | 14.74  |
| 10/5/2017 8:45  | 38700 | 72.872 | 17.954 | 166.097 | 29961.893 | 34621.32  | 21.932 | 23542.5   | 33.376 | 1.015 | 14.741 |
| 10/5/2017 8:50  | 39000 | 72.886 | 17.953 | 166.129 | 29944.65  | 34601.656 | 21.919 | 23529.127 | 33.395 | 1.015 | 14.741 |
| 10/5/2017 8:55  | 39300 | 72.87  | 17.954 | 166.093 | 29949.553 | 34606.984 | 21.922 | 23532.752 | 33.389 | 1.015 | 14.742 |
| 10/5/2017 9:00  | 39600 | 72.896 | 17.954 | 166.151 | 29948.473 | 34606.012 | 21.922 | 23532.09  | 33.391 | 1.015 | 14.743 |
| 10/5/2017 9:05  | 39900 | 72.875 | 17.954 | 166.104 | 29949.744 | 34607.414 | 21.923 | 23533.043 | 33.389 | 1.015 | 14.742 |
| 10/5/2017 9:10  | 40200 | 72.88  | 17.953 | 166.115 | 29944.791 | 34601.816 | 21.919 | 23529.238 | 33.395 | 1.015 | 14.741 |
| 10/5/2017 9:15  | 40500 | 72.904 | 17.954 | 166.17  | 29961.418 | 34620.836 | 21.932 | 23542.17  | 33.376 | 1.015 | 14.74  |
| 10/5/2017 9:20  | 40800 | 72.884 | 17.954 | 166.126 | 29943.799 | 34600.477 | 21.918 | 23528.326 | 33.396 | 1.015 | 14.74  |
| 10/5/2017 9:25  | 41100 | 72.889 | 17.953 | 166.135 | 29963.902 | 34623.902 | 21.934 | 23542.454 | 33.373 | 1.015 | 14.743 |
| 10/5/2017 9:30  | 41400 | 72.893 | 17.954 | 166.146 | 29952.941 | 34610.844 | 21.925 | 23535.373 | 33.386 | 1.015 | 14.74  |
| 10/5/2017 9:35  | 41700 | 72.913 | 17.954 | 166.192 | 29943.514 | 34600.086 | 21.918 | 23528.059 | 33.396 | 1.015 | 14.741 |
| 10/5/2017 9:40  | 42000 | 72.896 | 17.954 | 166.153 | 29932.545 | 34587.473 | 21.909 | 23519.484 | 33.408 | 1.015 | 14.741 |
| 10/5/2017 9:45  | 42300 | 72.897 | 17.954 | 166.155 | 29938.252 | 34616.91  | 21.929 | 23539.502 | 33.38  | 1.015 | 14.742 |
| 10/5/2017 9:50  | 42600 | 72.902 | 17.953 | 166.166 | 29962.793 | 34622.691 | 21.933 | 23543.43  | 33.375 | 1.015 | 14.741 |
| 10/5/2017 9:55  | 42900 | 72.92  | 17.954 | 166.207 | 29946.395 | 34630.395 | 21.922 | 23540.114 | 33.393 | 1.015 | 14.74  |
| 10/5/2017 10:00 | 43200 | 72.912 | 17.953 | 166.188 | 29950.404 | 34608.305 | 21.923 | 23533.648 | 33.389 | 1.015 | 14.739 |
| 10/5/2017 10:05 | 43500 | 72.907 | 17.954 | 166.177 | 29959.191 | 34618.328 | 21.93  | 23540.465 | 33.379 | 1.015 | 14.742 |
| 10/5/2017 10:10 | 43800 | 72.905 | 17.954 | 166.172 | 29958.451 | 34617.27  | 21.93  | 23539.746 | 33.38  | 1.015 | 14.744 |
| 10/5/2017 10:15 | 44100 | 72.905 | 17.953 | 166.173 | 29949.957 | 34607.926 | 21.923 | 23533.393 | 33.389 | 1.015 | 14.747 |
| 10/5/2017 10:20 | 44400 | 72.912 | 17.954 | 166.188 | 29966.764 | 34626.875 | 21.936 | 23546.275 | 33.37  | 1.015 | 14.744 |
| 10/5/2017 10:25 | 44700 | 72.919 | 17.953 | 166.204 | 29949.797 | 34617.667 | 21.917 | 23527.667 | 33.397 | 1.015 | 14.741 |
| 10/5/2017 10:30 | 45000 | 72.928 | 17.954 | 166.227 | 29931.697 | 34586.297 | 21.908 | 23518.682 | 33.409 | 1.015 | 14.738 |
| 10/5/2017 10:35 | 45300 | 72.945 | 17.954 | 166.265 | 29945.441 | 34602.313 | 21.919 | 23529.574 | 33.394 | 1.015 | 14.739 |
| 10/5/2017 10:40 | 45600 | 72.922 | 17.953 | 166.212 | 29940.453 | 34596.945 | 21.915 | 23525.924 | 33.4   | 1.015 | 14.74  |
| 10/5/2017 10:45 | 45900 | 72.925 | 17.954 | 166.218 | 29944.043 | 34600.824 | 21.918 | 23528.563 | 33.396 | 1.015 | 14.741 |
| 10/5/2017 10:50 | 46200 | 72.926 | 17.954 | 166.22  | 29952.816 | 34611.031 | 21.925 | 23535.504 | 33.386 | 1.015 | 14.74  |
| 10/5/2017 10:55 | 46500 | 72.933 | 17.954 | 166.237 | 29935.457 | 34590.973 | 21.911 | 23521.861 | 33.405 | 1.015 | 14.739 |
| 10/5/2017 11:00 | 46800 | 72.932 | 17.954 | 166.235 | 29949.754 | 34607.492 | 21.923 | 23533.096 | 33.389 | 1.015 | 14.738 |
| 10/5/2017 11:05 | 47100 | 72.935 | 17.953 | 166.242 | 29949.289 | 34607.219 | 21.923 | 23532.91  | 33.39  | 1.015 | 14.737 |
| 10/5/2017 11:10 | 47400 | 72.956 | 17.954 | 166.288 | 29949.637 | 34607.082 | 21.922 | 23532.818 | 33.389 | 1.015 | 14.736 |
| 10/5/2017 11:15 | 47700 | 72.942 | 17.954 | 166.257 | 29955.689 | 34614.352 | 21.928 | 23537.762 | 33.383 | 1.015 | 14.735 |
| 10/5/2017 11:20 | 48000 | 72.941 | 17.954 | 166.255 | 29962.932 | 34622.719 | 21.933 | 23543.449 | 33.375 | 1.015 | 14.735 |
| 10/5/2017 11:25 | 48300 | 72.943 | 17.954 | 166.259 | 29953.18  | 34611.383 | 21.925 | 23536.742 | 33.385 | 1.015 | 14.736 |
| 10/5/2017 11:30 | 48600 | 72.965 | 17.954 | 166.209 | 29936.184 | 34591.742 | 21.912 | 23522.387 | 33.404 | 1.015 | 14.706 |
| 10/5/2017 11:35 | 48900 | 72.944 | 17.953 | 166.262 | 29938.746 | 34594.832 | 21.914 | 23524.486 | 33.402 | 1.015 | 14.738 |
| 10/5/2017 11:40 | 49200 | 72.945 | 17.953 | 166.264 | 29952.852 | 34611.207 | 21.925 | 23535.621 | 33.386 | 1.015 | 14.74  |
| 10/5/2017 11:45 | 49500 | 72.961 | 17.954 | 166.301 | 29965.932 | 34626.117 | 21.936 | 23545.762 | 33.371 | 1.015 | 14.742 |
| 10/5/2017 11:50 | 49800 | 72.943 | 17.954 | 166.261 | 29969.811 | 34630.395 | 21.939 | 23548.67  | 33.367 | 1.015 | 14.74  |
| 10/5/2017 11:55 | 50100 | 72.967 | 17.954 | 166.314 | 29949.131 | 34606.641 | 21.922 | 23532.516 | 33.39  | 1.015 | 14.738 |
| 10/5/2017 12:00 | 50400 | 72.947 | 17.953 | 166.268 | 29958.48  | 34617.773 | 21.933 | 23540.086 | 33.38  | 1.015 | 14.739 |
| 10/5/2017 12:05 | 50700 | 72.965 | 17.954 | 166.31  | 29941.195 | 34597.535 | 21.916 | 23526.326 | 33.399 | 1.015 | 14.736 |
| 10/5/2017 12:10 | 51000 | 72.948 | 17.953 | 166.27  | 29941.514 | 34598.031 | 21.916 | 23526.662 | 33.398 | 1.015 | 14.736 |
| 10/5/2017 12:15 | 51300 | 72.967 | 17.954 | 166.315 | 29957.078 | 34615.887 | 21.929 | 23538.803 | 33.381 | 1.015 | 14.735 |
| 10/5/2017 12:20 | 51600 | 72.951 | 17.954 | 166.279 | 29950.645 | 34608.324 | 21.923 | 23533.66  | 33.388 | 1.015 | 14.736 |
| 10/5/2017 12:25 | 51900 | 72.95  | 17.953 | 166.276 | 29928.867 | 34583.418 | 21.906 | 23516.725 | 33.413 | 1.015 | 14.736 |
| 10/5/2017 12:30 | 52200 | 72.971 | 17.954 | 166.323 | 29944.652 | 34601.465 | 21.919 | 23538.998 | 33.395 | 1.015 | 14.736 |
| 10/5/2017 12:35 | 52500 | 72.952 | 17.954 | 166.28  | 29956.723 | 34615.348 | 21.928 | 23538.439 | 33.381 | 1.015 | 14.733 |
| 10/5/2017 12:40 | 52800 | 72.977 | 17.953 | 166.337 | 29934.148 | 34589.723 | 21.91  | 23521.014 | 33.407 | 1.015 | 14.731 |
| 10/5/2017 12:45 | 53100 | 72.953 | 17.953 | 166.283 | 29936.207 | 34591.973 | 21.912 | 23522.543 | 33.404 | 1.015 | 14.729 |
| 10/5/2017 12:50 | 53400 | 72.956 | 17.954 | 166.29  | 29936.828 | 34592.227 | 21.912 | 23522.717 | 33.404 | 1.015 | 14.73  |
| 10/5/2017 12:55 | 53700 | 72.953 | 17.954 | 166.283 | 29958.508 | 34617.539 | 21.93  | 23539.928 | 33.38  | 1.015 | 14.732 |
| 10/5/2017 13:00 | 54000 | 72.949 | 17.954 | 166.274 | 29938.271 | 34593.595 | 21.913 | 23534.029 | 33.402 | 1.015 | 14.734 |
| 10/5/2017 13:05 | 54300 | 72.956 | 17.953 | 166.289 | 29949.129 | 34606.902 | 21.922 | 23532.693 | 33.39  | 1.015 | 14.732 |
| 10/5/2017 13:10 | 54600 | 72.95  | 17.954 | 166.276 | 29956.41  | 3         |        |           |        |       |        |

|                |        |        |       |         |           |           |        |           |        |       |        |
|----------------|--------|--------|-------|---------|-----------|-----------|--------|-----------|--------|-------|--------|
| 10/6/2017 0:00 | 93600  | 72.86  | 17954 | 166.071 | 29957.09  | 34615.637 | 21.928 | 23538.633 | 33.381 | 1.015 | 14.726 |
| 10/6/2017 0:05 | 93500  | 72.885 | 17953 | 166.128 | 29982.695 | 34645.754 | 21.949 | 23539.115 | 33.353 | 1.015 | 14.725 |
| 10/6/2017 0:10 | 94200  | 72.883 | 17953 | 166.122 | 29959.098 | 34618.348 | 21.93  | 23540.479 | 33.379 | 1.015 | 14.725 |
| 10/6/2017 0:15 | 94500  | 72.87  | 17954 | 166.092 | 29959.762 | 34618.859 | 21.931 | 23540.824 | 33.378 | 1.015 | 14.724 |
| 10/6/2017 0:20 | 94800  | 72.859 | 17954 | 166.069 | 29971.205 | 34632.281 | 21.94  | 23549.951 | 33.365 | 1.015 | 14.726 |
| 10/6/2017 0:25 | 95100  | 72.862 | 17953 | 166.076 | 29944.396 | 34601.5   | 21.919 | 23529.02  | 33.395 | 1.015 | 14.727 |
| 10/6/2017 0:30 | 95400  | 72.856 | 17954 | 166.061 | 29975.194 | 34616.421 | 21.929 | 23552.77  | 33.361 | 1.015 | 14.729 |
| 10/6/2017 0:35 | 95700  | 72.859 | 17953 | 166.069 | 29961.225 | 34620.883 | 21.932 | 23542.201 | 33.376 | 1.015 | 14.728 |
| 10/6/2017 0:40 | 96000  | 72.865 | 17954 | 166.081 | 29959.449 | 34618.695 | 21.931 | 23540.715 | 33.378 | 1.015 | 14.726 |
| 10/6/2017 0:45 | 96300  | 72.884 | 17953 | 166.125 | 29963.799 | 34623.781 | 21.934 | 23544.172 | 33.374 | 1.015 | 14.725 |
| 10/6/2017 0:50 | 96600  | 72.863 | 17954 | 166.076 | 29972.322 | 34633.438 | 21.941 | 23550.74  | 33.364 | 1.015 | 14.725 |
| 10/6/2017 0:55 | 96900  | 72.861 | 17954 | 166.073 | 29944.376 | 34601.375 | 21.918 | 23528.936 | 33.395 | 1.015 | 14.726 |
| 10/6/2017 1:00 | 97200  | 72.862 | 17954 | 166.072 | 29956.842 | 34615.613 | 21.938 | 23538.617 | 33.381 | 1.015 | 14.727 |
| 10/6/2017 1:05 | 97500  | 72.888 | 17953 | 166.134 | 29969.412 | 34630.406 | 21.939 | 23548.678 | 33.367 | 1.015 | 14.725 |
| 10/6/2017 1:10 | 97800  | 72.866 | 17953 | 166.083 | 29950.668 | 34608.609 | 21.924 | 23533.857 | 33.388 | 1.015 | 14.724 |
| 10/6/2017 1:15 | 98100  | 72.867 | 17954 | 166.087 | 29962.889 | 34622.672 | 21.933 | 23543.418 | 33.375 | 1.015 | 14.722 |
| 10/6/2017 1:20 | 98400  | 72.866 | 17953 | 166.084 | 29978.902 | 34641.508 | 21.946 | 23556.225 | 33.357 | 1.015 | 14.723 |
| 10/6/2017 1:25 | 98700  | 72.87  | 17954 | 166.092 | 29962.791 | 34622.488 | 21.933 | 23543.295 | 33.375 | 1.015 | 14.724 |
| 10/6/2017 1:30 | 99000  | 72.87  | 17953 | 166.093 | 29945.885 | 34603.426 | 21.92  | 23530.33  | 33.394 | 1.015 | 14.725 |
| 10/6/2017 1:35 | 99300  | 72.88  | 17954 | 166.116 | 29949.398 | 34607.012 | 21.922 | 23532.768 | 33.39  | 1.015 | 14.726 |
| 10/6/2017 1:40 | 99600  | 72.859 | 17953 | 166.069 | 29967.523 | 34628.223 | 21.937 | 23547.191 | 33.369 | 1.015 | 14.728 |
| 10/6/2017 1:45 | 99900  | 72.856 | 17953 | 166.061 | 29970.797 | 34631.941 | 21.94  | 23549.723 | 33.366 | 1.015 | 14.729 |
| 10/6/2017 1:50 | 100200 | 72.873 | 17953 | 166.101 | 29958.666 | 34618.055 | 21.93  | 23540.279 | 33.379 | 1.015 | 14.729 |
| 10/6/2017 1:55 | 100500 | 72.855 | 17953 | 166.059 | 29975.021 | 34636.75  | 21.943 | 23552.992 | 33.361 | 1.015 | 14.729 |
| 10/6/2017 2:00 | 100800 | 72.862 | 17954 | 166.075 | 29957.904 | 34616.923 | 21.929 | 23539.51  | 33.38  | 1.015 | 14.728 |
| 10/6/2017 2:05 | 101100 | 72.876 | 17954 | 166.107 | 29978.244 | 34640.414 | 21.946 | 23555.482 | 33.358 | 1.015 | 14.729 |
| 10/6/2017 2:10 | 101400 | 72.849 | 17953 | 166.045 | 29962.088 | 34621.941 | 21.933 | 23542.922 | 33.376 | 1.015 | 14.729 |
| 10/6/2017 2:15 | 101700 | 72.851 | 17953 | 166.049 | 29953.189 | 34611.523 | 21.926 | 23535.838 | 33.385 | 1.015 | 14.73  |
| 10/6/2017 2:20 | 102000 | 72.851 | 17953 | 166.049 | 29953.529 | 34611.988 | 21.926 | 23536.154 | 33.385 | 1.015 | 14.729 |
| 10/6/2017 2:25 | 102300 | 72.845 | 17954 | 166.036 | 29971.805 | 34632.84  | 21.94  | 23550.334 | 33.365 | 1.015 | 14.729 |
| 10/6/2017 2:30 | 102600 | 72.85  | 17953 | 166.048 | 29967.252 | 34627.93  | 21.937 | 23546.994 | 33.37  | 1.015 | 14.728 |
| 10/6/2017 2:35 | 102900 | 72.848 | 17954 | 166.042 | 29971.25  | 34632.262 | 21.94  | 23549.938 | 33.365 | 1.015 | 14.728 |
| 10/6/2017 2:40 | 103200 | 72.846 | 17953 | 166.039 | 29960.768 | 34620.352 | 21.932 | 23541.842 | 33.377 | 1.015 | 14.727 |
| 10/6/2017 2:45 | 103500 | 72.845 | 17954 | 166.036 | 29959.898 | 34619.082 | 21.931 | 23540.977 | 33.378 | 1.015 | 14.727 |
| 10/6/2017 2:50 | 103800 | 72.842 | 17953 | 166.029 | 29964.129 | 34624.164 | 21.934 | 23544.434 | 33.373 | 1.015 | 14.728 |
| 10/6/2017 2:55 | 104100 | 72.84  | 17953 | 166.025 | 29938.979 | 34595.102 | 21.914 | 23524.672 | 33.401 | 1.015 | 14.729 |
| 10/6/2017 3:00 | 104400 | 72.833 | 17954 | 166.009 | 29958.404 | 34617.31  | 21.93  | 23539.775 | 33.38  | 1.015 | 14.728 |
| 10/6/2017 3:05 | 104700 | 72.832 | 17953 | 166.006 | 29969.795 | 34630.848 | 21.939 | 23548.977 | 33.367 | 1.015 | 14.729 |
| 10/6/2017 3:10 | 105000 | 72.833 | 17954 | 166.01  | 29950.367 | 34608.133 | 21.923 | 23533.533 | 33.389 | 1.015 | 14.726 |
| 10/6/2017 3:15 | 105300 | 72.835 | 17954 | 166.014 | 29953.096 | 34611.156 | 21.925 | 23535.588 | 33.386 | 1.015 | 14.724 |
| 10/6/2017 3:20 | 105600 | 72.843 | 17953 | 166.033 | 29969.904 | 34631.109 | 21.939 | 23549.156 | 33.367 | 1.015 | 14.727 |
| 10/6/2017 3:25 | 105900 | 72.846 | 17954 | 166.039 | 29954.906 | 34613.172 | 21.927 | 23536.959 | 33.384 | 1.015 | 14.728 |
| 10/6/2017 3:30 | 106200 | 72.827 | 17953 | 165.995 | 29966.385 | 34617.121 | 21.926 | 23546.443 | 33.371 | 1.015 | 14.73  |
| 10/6/2017 3:35 | 106500 | 72.818 | 17954 | 165.974 | 29956.033 | 34614.473 | 21.928 | 23537.844 | 33.382 | 1.015 | 14.728 |
| 10/6/2017 3:40 | 106800 | 72.839 | 17954 | 166.022 | 29965.078 | 34625.066 | 21.935 | 23545.045 | 33.372 | 1.015 | 14.727 |
| 10/6/2017 3:45 | 107100 | 72.822 | 17954 | 165.985 | 29953.475 | 34611.793 | 21.926 | 23536.02  | 33.385 | 1.015 | 14.726 |
| 10/6/2017 3:50 | 107400 | 72.819 | 17953 | 165.978 | 29966.711 | 34627.219 | 21.937 | 23546.51  | 33.37  | 1.015 | 14.724 |
| 10/6/2017 3:55 | 107700 | 72.818 | 17953 | 165.976 | 29958.465 | 34617.691 | 21.93  | 23540.031 | 33.38  | 1.015 | 14.723 |
| 10/6/2017 4:00 | 108000 | 72.828 | 17954 | 166.02  | 29963.415 | 34623.24  | 21.934 | 23543.873 | 33.374 | 1.015 | 14.722 |
| 10/6/2017 4:05 | 108300 | 72.83  | 17953 | 166.001 | 29938.002 | 34594.047 | 21.913 | 23523.953 | 33.402 | 1.015 | 14.723 |
| 10/6/2017 4:10 | 108600 | 72.81  | 17954 | 165.957 | 29957.137 | 34615.824 | 21.929 | 23538.762 | 33.381 | 1.015 | 14.725 |
| 10/6/2017 4:15 | 108900 | 72.805 | 17953 | 165.944 | 29965.479 | 34625.859 | 21.936 | 23545.586 | 33.372 | 1.015 | 14.726 |
| 10/6/2017 4:20 | 109200 | 72.811 | 17954 | 165.959 | 29965.461 | 34625.574 | 21.935 | 23545.391 | 33.372 | 1.015 | 14.726 |
| 10/6/2017 4:25 | 109500 | 72.8   | 17954 | 165.933 | 29954.629 | 34613.059 | 21.927 | 23536.883 | 33.384 | 1.015 | 14.726 |
| 10/6/2017 4:30 | 109800 | 72.819 | 17954 | 165.976 | 29961.682 | 34621.207 | 21.932 | 23542.424 | 33.376 | 1.015 | 14.727 |
| 10/6/2017 4:35 | 110100 | 72.818 | 17954 | 165.975 | 29965.832 | 34625.875 | 21.936 | 23545.598 | 33.371 | 1.015 | 14.727 |
| 10/6/2017 4:40 | 110400 | 72.797 | 17953 | 165.927 | 29973.191 | 34634.637 | 21.942 | 23551.555 | 33.363 | 1.015 | 14.727 |
| 10/6/2017 4:45 | 110700 | 72.791 | 17953 | 165.912 | 29949.246 | 34607.168 | 21.922 | 23532.877 | 33.39  | 1.015 | 14.728 |
| 10/6/2017 4:50 | 111000 | 72.791 | 17953 | 165.913 | 29971.107 | 34632.5   | 21.94  | 23550.1   | 33.365 | 1.015 | 14.727 |
| 10/6/2017 4:55 | 111300 | 72.791 | 17954 | 165.914 | 29965.313 | 34625.195 | 21.935 | 23545.133 | 33.372 | 1.015 | 14.727 |
| 10/6/2017 5:00 | 111600 | 72.786 | 17954 | 165.901 | 29971.916 | 34632.969 | 21.941 | 23550.42  | 33.365 | 1.015 | 14.726 |
| 10/6/2017 5:05 | 111900 | 72.788 | 17953 | 165.905 | 29972.791 | 34634.422 | 21.942 | 23551.406 | 33.364 | 1.015 | 14.726 |
| 10/6/2017 5:10 | 112200 | 72.782 | 17954 | 165.892 | 29971.746 | 34632.906 | 21.94  | 23550.379 | 33.365 | 1.015 | 14.726 |
| 10/6/2017 5:15 | 112500 | 72.782 | 17953 | 165.892 | 29968.346 | 34629.309 | 21.938 | 23547.932 | 33.369 | 1.015 | 14.726 |
| 10/6/2017 5:20 | 112800 | 72.78  | 17954 | 165.888 | 29953.033 | 34611.281 | 21.925 | 23535.674 | 33.386 | 1.015 | 14.728 |
| 10/6/2017 5:25 | 113100 | 72.797 | 17954 | 165.926 | 29967.852 | 34628.336 | 21.937 | 23547.27  | 33.369 | 1.015 | 14.729 |
| 10/6/2017 5:30 | 113400 | 72.771 | 17953 | 165.867 | 29963.129 | 34623.145 | 21.934 | 23543.74  | 33.374 | 1.015 | 14.731 |
| 10/6/2017 5:35 | 113700 | 72.773 | 17953 | 165.873 | 29963.152 | 34623.117 | 21.934 | 23543.717 | 33.374 | 1.015 | 14.731 |
| 10/6/2017 5:40 | 114000 | 72.772 | 17953 | 165.87  | 29965.561 | 34626.02  | 21.936 | 23545.695 | 33.372 | 1.015 | 14.726 |
| 10/6/2017 5:45 | 114300 | 72.778 | 17953 | 165.883 | 29937.496 | 34593.387 | 21.913 | 23523.504 | 33.403 | 1.015 | 14.724 |
| 10/6/2017 5:50 | 114600 | 72.775 | 17953 | 165.878 | 29955.297 | 34613.957 | 21.927 | 23537.49  | 33.383 | 1.015 | 14.724 |
| 10/6/2017 5:55 | 114900 | 72.789 | 17954 | 165.908 | 29968.9   | 34629.617 | 21.938 | 23548.141 | 33.368 | 1.015 | 14.724 |
| 10/6/2017 6:00 | 115200 | 72.791 | 17954 | 165.912 | 29960.145 | 34619.301 | 21.931 | 23541.127 | 33.378 | 1.015 | 14.724 |
| 10/6/2017 6:05 | 115500 | 72.762 | 17953 | 165.848 | 29975.08  | 34636.891 | 21.943 | 23553.088 | 33.361 | 1.015 | 14.725 |
| 10/6/2017 6:10 | 115800 | 72.785 | 17953 | 165.899 | 29962.154 | 34622.152 | 21.933 | 23543.066 | 33.375 | 1.015 | 14.726 |
| 10/6/2017 6:15 | 116100 | 72.768 | 17954 | 165.86  | 29977.373 | 34639.273 | 21.945 | 23554.709 | 33.358 | 1.015 | 14.726 |
| 10/6/2017 6:20 | 116400 | 72.783 | 17954 | 165.896 | 29958.115 | 34616.879 | 21.929 | 23539.48  | 33.38  | 1.015 | 14.728 |
| 10/6/2017 6:25 | 116700 | 72.762 | 17953 | 165.847 | 29956.711 | 34615.664 | 21.928 | 23538.654 | 33.382 | 1.015 | 14.73  |
| 10/6/2017 6:30 | 117000 | 72.775 | 17954 | 165.876 | 29965.672 | 34625.484 | 21.935 | 23545.332 | 33.372 | 1.015 | 14.732 |
| 10/6/2017 6:35 | 117300 | 72.763 | 17953 | 165.85  | 29947.625 | 34604.695 | 21.921 | 23531.195 | 33.392 | 1.015 | 14.733 |
| 10/6/2017 6:40 | 117600 | 72.756 | 17954 | 165.833 | 29954.232 | 34621.469 | 21.926 | 23536.48  | 33.384 | 1.015 | 14.73  |
| 10/6/2017 6:45 | 117900 | 72.775 | 17953 | 165.876 | 29959.916 | 34619.367 | 21.931 | 23541.17  | 33.378 | 1.015 |        |

|                 |        |       |       |         |           |            |       |           |        |       |        |
|-----------------|--------|-------|-------|---------|-----------|------------|-------|-----------|--------|-------|--------|
| 10/6/2017 17:35 | 156900 | 72767 | 17954 | 165.859 | 29976.318 | 34638.188  | 21944 | 23553.969 | 33.36  | 1.015 | 14.71  |
| 10/6/2017 17:40 | 157200 | 72765 | 17953 | 165.854 | 29968.133 | 34628.863  | 21938 | 23547.629 | 33.369 | 1.015 | 14.712 |
| 10/6/2017 17:45 | 157500 | 7276  | 17954 | 165.842 | 29950.135 | 34607.863  | 21923 | 23533.348 | 33.389 | 1.015 | 14.714 |
| 10/6/2017 17:50 | 157800 | 72761 | 17954 | 165.845 | 29963.539 | 34623.289  | 21934 | 23543.836 | 33.374 | 1.015 | 14.711 |
| 10/6/2017 17:55 | 158100 | 72761 | 17954 | 165.844 | 29975.996 | 34637.684  | 21944 | 23553.627 | 33.36  | 1.015 | 14.708 |
| 10/6/2017 18:00 | 158400 | 72784 | 17953 | 165.897 | 29958.223 | 34617.809  | 21.93 | 23539.977 | 33.38  | 1.015 | 14.705 |
| 10/6/2017 18:05 | 158700 | 72778 | 17953 | 165.884 | 29951.467 | 34609.484  | 21924 | 23534.459 | 33.378 | 1.015 | 14.708 |
| 10/6/2017 18:10 | 159000 | 72755 | 17954 | 165.832 | 29962.1   | 34621.758  | 21933 | 23542.795 | 33.375 | 1.015 | 14.71  |
| 10/6/2017 18:15 | 159300 | 72751 | 17953 | 165.822 | 29963.57  | 34623.516  | 21934 | 23543.99  | 33.374 | 1.015 | 14.712 |
| 10/6/2017 18:20 | 159600 | 72745 | 17953 | 165.807 | 29960.898 | 34620.57   | 21932 | 23541.99  | 33.377 | 1.015 | 14.712 |
| 10/6/2017 18:25 | 159900 | 72747 | 17954 | 165.813 | 29967.385 | 34627.461  | 21937 | 23546.674 | 33.37  | 1.015 | 14.712 |
| 10/6/2017 18:30 | 160200 | 72761 | 17953 | 165.845 | 29969.32  | 34630.16   | 21939 | 23548.512 | 33.367 | 1.015 | 14.711 |
| 10/6/2017 18:35 | 160500 | 72743 | 17953 | 165.803 | 29960.527 | 34620      | 21931 | 23541.602 | 33.377 | 1.015 | 14.711 |
| 10/6/2017 18:40 | 160800 | 72739 | 17954 | 165.794 | 29958.785 | 34617.398  | 21.93 | 23530.834 | 33.379 | 1.015 | 14.711 |
| 10/6/2017 18:45 | 161100 | 72763 | 17953 | 165.848 | 29969.516 | 34630.461  | 21939 | 23548.713 | 33.367 | 1.015 | 14.71  |
| 10/6/2017 18:50 | 161400 | 72743 | 17954 | 165.804 | 29955.613 | 34614.129  | 21927 | 23537.609 | 33.383 | 1.015 | 14.711 |
| 10/6/2017 18:55 | 161700 | 72743 | 17953 | 165.804 | 29973.576 | 34635.219  | 21942 | 23551.951 | 33.363 | 1.015 | 14.711 |
| 10/6/2017 19:00 | 162000 | 72756 | 17953 | 165.834 | 29959.223 | 34618.492  | 21.93 | 23540.574 | 33.379 | 1.015 | 14.711 |
| 10/6/2017 19:05 | 162300 | 72758 | 17953 | 165.839 | 29958.122 | 34617.281  | 21.93 | 23539.254 | 33.38  | 1.015 | 14.709 |
| 10/6/2017 19:10 | 162600 | 72737 | 17954 | 165.791 | 29951.754 | 34609.531  | 21924 | 23534.482 | 33.387 | 1.015 | 14.707 |
| 10/6/2017 19:15 | 162900 | 72742 | 17954 | 165.801 | 29941.74  | 34598.234  | 21916 | 23526.801 | 33.398 | 1.015 | 14.705 |
| 10/6/2017 19:20 | 163200 | 72738 | 17954 | 165.791 | 29959.928 | 34619.117  | 21931 | 23541     | 33.378 | 1.015 | 14.708 |
| 10/6/2017 19:25 | 163500 | 72729 | 17954 | 165.772 | 29955.82  | 34614.434  | 21928 | 23537.814 | 33.382 | 1.015 | 14.711 |
| 10/6/2017 19:30 | 163800 | 72773 | 17953 | 165.774 | 29959.127 | 34618.457  | 21.93 | 23540.553 | 33.379 | 1.015 | 14.714 |
| 10/6/2017 19:35 | 164100 | 72754 | 17954 | 165.83  | 29968.953 | 34629.68   | 21938 | 23548.184 | 33.368 | 1.015 | 14.712 |
| 10/6/2017 19:40 | 164400 | 72751 | 17953 | 165.821 | 29966.105 | 34626.648  | 21936 | 23546.121 | 33.371 | 1.015 | 14.71  |
| 10/6/2017 19:45 | 164700 | 72736 | 17954 | 165.788 | 29975.814 | 34637.535  | 21944 | 23553.523 | 33.36  | 1.015 | 14.708 |
| 10/6/2017 19:50 | 165000 | 72754 | 17954 | 165.829 | 29965.184 | 34625.32   | 21935 | 23545.219 | 33.372 | 1.015 | 14.71  |
| 10/6/2017 19:55 | 165300 | 72757 | 17953 | 165.836 | 29975.934 | 34637.941  | 21944 | 23553.803 | 33.36  | 1.015 | 14.713 |
| 10/6/2017 20:00 | 165600 | 72729 | 17954 | 165.772 | 29943.883 | 34600.641  | 21918 | 23528.438 | 33.396 | 1.015 | 14.716 |
| 10/6/2017 20:05 | 165900 | 72778 | 17953 | 165.77  | 29962.008 | 34621.852  | 21933 | 23542.859 | 33.376 | 1.015 | 14.717 |
| 10/6/2017 20:10 | 166200 | 72726 | 17954 | 165.766 | 29954.006 | 34612.207  | 21926 | 23536.303 | 33.385 | 1.015 | 14.718 |
| 10/6/2017 20:15 | 166500 | 72748 | 17954 | 165.814 | 29975.209 | 34636.906  | 21943 | 23553.098 | 33.361 | 1.015 | 14.719 |
| 10/6/2017 20:20 | 166800 | 72732 | 17954 | 165.78  | 29958.15  | 34616.996  | 21929 | 23539.559 | 33.38  | 1.015 | 14.717 |
| 10/6/2017 20:25 | 167100 | 72733 | 17954 | 165.781 | 29964.566 | 34624.539  | 21935 | 23544.689 | 33.373 | 1.015 | 14.715 |
| 10/6/2017 20:30 | 167400 | 72738 | 17953 | 165.793 | 29959.91  | 34619.289  | 21931 | 23541.119 | 33.378 | 1.015 | 14.713 |
| 10/6/2017 20:35 | 167700 | 72752 | 17954 | 165.825 | 29974.311 | 34635.8025 | 21942 | 23552.348 | 33.362 | 1.015 | 14.713 |
| 10/6/2017 20:40 | 168000 | 72738 | 17954 | 165.793 | 29971.916 | 34632.902  | 21.94 | 23550.375 | 33.365 | 1.015 | 14.713 |
| 10/6/2017 20:45 | 168300 | 72742 | 17954 | 165.801 | 29966.891 | 34626.965  | 21936 | 23546.338 | 33.37  | 1.015 | 14.713 |
| 10/6/2017 20:50 | 168600 | 72741 | 17953 | 165.798 | 29960.316 | 34619.758  | 21931 | 23541.438 | 33.377 | 1.015 | 14.713 |
| 10/6/2017 20:55 | 168900 | 72761 | 17954 | 165.844 | 29967.057 | 34627.289  | 21937 | 23546.559 | 33.37  | 1.015 | 14.713 |
| 10/6/2017 21:00 | 169200 | 72743 | 17954 | 165.804 | 29967.576 | 34628.02   | 21937 | 23547.055 | 33.369 | 1.015 | 14.713 |
| 10/6/2017 21:05 | 169500 | 72743 | 17954 | 165.804 | 29968.494 | 34629.534  | 21938 | 23547.82  | 33.368 | 1.015 | 14.713 |
| 10/6/2017 21:10 | 169800 | 72741 | 17953 | 165.799 | 29974.736 | 34636.422  | 21943 | 23552.77  | 33.361 | 1.015 | 14.713 |
| 10/6/2017 21:15 | 170100 | 72749 | 17954 | 165.818 | 29963.404 | 34622.664  | 21933 | 23543.414 | 33.374 | 1.015 | 14.713 |
| 10/6/2017 21:20 | 170400 | 72761 | 17954 | 165.845 | 29961.639 | 34620.953  | 21932 | 23542.25  | 33.376 | 1.015 | 14.714 |
| 10/6/2017 21:25 | 170700 | 72744 | 17954 | 165.806 | 29964.473 | 34624.43   | 21935 | 23544.615 | 33.373 | 1.015 | 14.715 |
| 10/6/2017 21:30 | 171000 | 72766 | 17953 | 165.857 | 29959.826 | 34619.191  | 21931 | 23541.053 | 33.378 | 1.015 | 14.716 |
| 10/6/2017 21:35 | 171300 | 72768 | 17954 | 165.861 | 29968.311 | 34628.934  | 21938 | 23547.676 | 33.369 | 1.015 | 14.717 |
| 10/6/2017 21:40 | 171600 | 72749 | 17953 | 165.818 | 29955.053 | 34613.75   | 21927 | 23537.352 | 33.383 | 1.015 | 14.718 |
| 10/6/2017 21:45 | 171900 | 72751 | 17954 | 165.822 | 29952.125 | 34609.902  | 21924 | 23534.734 | 33.387 | 1.015 | 14.719 |
| 10/6/2017 21:50 | 172200 | 72753 | 17954 | 165.826 | 29970.617 | 34631.602  | 21.94 | 23549.492 | 33.366 | 1.015 | 14.717 |
| 10/6/2017 21:55 | 172500 | 72755 | 17954 | 165.832 | 29969.123 | 34629.473  | 21938 | 23548.043 | 33.368 | 1.015 | 14.714 |
| 10/6/2017 22:00 | 172800 | 72783 | 17954 | 165.895 | 29965.561 | 34625.559  | 21935 | 23545.381 | 33.372 | 1.015 | 14.712 |
| 10/6/2017 22:05 | 173100 | 72785 | 17953 | 165.899 | 29988.67  | 34652.594  | 21954 | 23563.764 | 33.346 | 1.015 | 14.712 |
| 10/6/2017 22:10 | 173400 | 72767 | 17953 | 165.858 | 29947.222 | 34604.742  | 21921 | 23531.225 | 33.392 | 1.015 | 14.712 |
| 10/6/2017 22:15 | 173700 | 7277  | 17953 | 165.866 | 29960.662 | 34620.359  | 21932 | 23541.846 | 33.377 | 1.015 | 14.711 |
| 10/6/2017 22:20 | 174000 | 72769 | 17954 | 165.862 | 29961.65  | 34621.043  | 21942 | 23542.309 | 33.376 | 1.015 | 14.712 |
| 10/6/2017 22:25 | 174300 | 72772 | 17954 | 165.869 | 29976.979 | 34638.676  | 21935 | 23554.301 | 33.359 | 1.015 | 14.714 |
| 10/6/2017 22:30 | 174600 | 72767 | 17953 | 165.859 | 29960.785 | 34620.57   | 21932 | 23543.99  | 33.377 | 1.015 | 14.715 |
| 10/6/2017 22:35 | 174900 | 72772 | 17954 | 165.87  | 29965.361 | 34625.457  | 21935 | 23545.311 | 33.372 | 1.015 | 14.715 |
| 10/6/2017 22:40 | 175200 | 72774 | 17954 | 165.875 | 29963.705 | 34623.48   | 21934 | 23542.969 | 33.374 | 1.015 | 14.715 |
| 10/6/2017 22:45 | 175500 | 7278  | 17953 | 165.889 | 29966.332 | 34626.707  | 21936 | 23546.162 | 33.371 | 1.015 | 14.715 |
| 10/6/2017 22:50 | 175800 | 72797 | 17953 | 165.926 | 29936.51  | 34592.387  | 21912 | 23522.824 | 33.404 | 1.015 | 14.715 |
| 10/6/2017 22:55 | 176100 | 72787 | 17954 | 165.904 | 29964.082 | 34623.98   | 21934 | 23544.309 | 33.373 | 1.015 | 14.715 |
| 10/6/2017 23:00 | 176400 | 72782 | 17954 | 165.892 | 29958.604 | 34617.445  | 21.93 | 23539.863 | 33.379 | 1.015 | 14.715 |
| 10/6/2017 23:05 | 176700 | 72787 | 17953 | 165.905 | 29967.967 | 34628.672  | 21938 | 23547.498 | 33.369 | 1.015 | 14.714 |
| 10/6/2017 23:10 | 177000 | 72788 | 17953 | 165.905 | 29951.287 | 34609.324  | 21924 | 23543.32  | 33.388 | 1.015 | 14.717 |
| 10/6/2017 23:15 | 177300 | 7279  | 17953 | 165.912 | 29975.135 | 34637.02   | 21943 | 23553.176 | 33.361 | 1.015 | 14.714 |
| 10/6/2017 23:20 | 177600 | 72798 | 17953 | 165.929 | 29952.656 | 34610.98   | 21925 | 23535.467 | 33.386 | 1.015 | 14.714 |
| 10/6/2017 23:25 | 177900 | 72816 | 17953 | 165.97  | 29959.541 | 34619.063  | 21931 | 23540.965 | 33.378 | 1.015 | 14.715 |
| 10/6/2017 23:30 | 178200 | 72818 | 17954 | 165.975 | 29981.512 | 34643.992  | 21948 | 23557.914 | 33.354 | 1.015 | 14.715 |
| 10/6/2017 23:35 | 178500 | 72819 | 17954 | 165.976 | 29964.205 | 34624.059  | 21934 | 23544.361 | 33.373 | 1.015 | 14.712 |
| 10/6/2017 23:40 | 178800 | 72804 | 17953 | 165.944 | 29969.646 | 34630.884  | 21939 | 23549.002 | 33.367 | 1.015 | 14.71  |
| 10/6/2017 23:45 | 179100 | 72828 | 17954 | 165.998 | 29961.535 | 34621.039  | 21932 | 23542.307 | 33.376 | 1.015 | 14.707 |
| 10/6/2017 23:50 | 179400 | 7281  | 17953 | 165.955 | 29964.344 | 34624.41   | 21935 | 23544.602 | 33.373 | 1.015 | 14.709 |
| 10/6/2017 23:55 | 179700 | 7283  | 17954 | 166.002 | 29953.727 | 34612.016  | 21926 | 23536.172 | 33.385 | 1.015 | 14.711 |
| 10/7/2017 0:00  | 180000 | 72809 | 17954 | 165.955 | 29964.912 | 34624.938  | 21935 | 23544.959 | 33.372 | 1.015 | 14.713 |
| 10/7/2017 0:05  | 180300 | 72809 | 17954 | 165.954 | 29951.633 | 34609.664  | 21924 | 23534.572 | 33.387 | 1.015 | 14.71  |
| 10/7/2017 0:10  | 180600 | 72815 | 17954 | 165.969 | 29950.822 | 34608.656  | 21924 | 23533.889 | 33.388 | 1.015 | 14.708 |
| 10/7/2017 0:15  | 180900 | 7282  | 17953 | 165.98  | 29949.898 | 34607.793  | 21923 | 23533.301 | 33.389 | 1.015 | 14.706 |
| 10/7/2017 0:20  | 181200 | 72838 | 17954 | 166.02  | 29976.418 | 34638.172  | 21944 | 23553.959 | 33.36  | 1.015 | 14.706 |
| 10/7/2017 0:25  | 181500 | 72839 | 17954 |         |           |            |       |           |        |       |        |

|                 |       |        |        |         |           |           |        |           |        |       |        |
|-----------------|-------|--------|--------|---------|-----------|-----------|--------|-----------|--------|-------|--------|
| 10/7/2017 11:10 | 20200 | 72.851 | 17.953 | 166.05  | 29957.533 | 34616.68  | 21.929 | 23539.344 | 33.381 | 1.015 | 14.691 |
| 10/7/2017 11:15 | 20500 | 72.868 | 17.953 | 166.089 | 29966.707 | 34627.547 | 21.937 | 23546.734 | 33.37  | 1.015 | 14.694 |
| 10/7/2017 11:20 | 20800 | 72.858 | 17.953 | 166.065 | 29960.84  | 34620.363 | 21.932 | 23541.85  | 33.377 | 1.015 | 14.692 |
| 10/7/2017 11:25 | 21100 | 72.877 | 17.953 | 166.11  | 29972.609 | 34634.305 | 21.941 | 23551.328 | 33.364 | 1.015 | 14.691 |
| 10/7/2017 11:30 | 21400 | 72.861 | 17.953 | 166.074 | 29957.043 | 34616.113 | 21.929 | 23538.957 | 33.381 | 1.015 | 14.69  |
| 10/7/2017 11:35 | 21700 | 72.871 | 17.954 | 166.096 | 29967.426 | 34627.914 | 21.937 | 23546.984 | 33.37  | 1.015 | 14.688 |
| 10/7/2017 11:40 | 22000 | 72.87  | 17.953 | 166.093 | 29974.025 | 34635.799 | 21.942 | 23552.299 | 33.362 | 1.015 | 14.687 |
| 10/7/2017 11:45 | 22300 | 72.89  | 17.954 | 166.14  | 29967.576 | 34627.953 | 21.937 | 23547.008 | 33.369 | 1.015 | 14.685 |
| 10/7/2017 11:50 | 22600 | 72.871 | 17.953 | 166.097 | 29954.355 | 34612.871 | 21.926 | 23536.752 | 33.384 | 1.015 | 14.686 |
| 10/7/2017 11:55 | 22900 | 72.876 | 17.953 | 166.107 | 29955.25  | 34613.902 | 21.927 | 23537.455 | 33.383 | 1.015 | 14.687 |
| 10/7/2017 12:00 | 23200 | 72.873 | 17.953 | 166.1   | 29970.98  | 34632.281 | 21.94  | 23549.951 | 33.366 | 1.015 | 14.688 |
| 10/7/2017 12:05 | 23500 | 72.876 | 17.953 | 166.107 | 29949.918 | 34607.945 | 21.923 | 23533.404 | 33.389 | 1.015 | 14.686 |
| 10/7/2017 12:10 | 23800 | 72.904 | 17.953 | 166.17  | 29972.719 | 34634.563 | 21.942 | 23551.502 | 33.364 | 1.015 | 14.684 |
| 10/7/2017 12:15 | 24100 | 72.903 | 17.953 | 166.168 | 29952.543 | 34611.117 | 21.925 | 23535.563 | 33.386 | 1.015 | 14.682 |
| 10/7/2017 12:20 | 24400 | 72.885 | 17.953 | 166.128 | 29952.271 | 34610.805 | 21.925 | 23535.35  | 33.386 | 1.015 | 14.68  |
| 10/7/2017 12:25 | 24700 | 72.906 | 17.953 | 166.175 | 29957.125 | 34616.07  | 21.929 | 23538.93  | 33.381 | 1.015 | 14.679 |
| 10/7/2017 12:30 | 25000 | 72.888 | 17.953 | 166.135 | 29963.723 | 34624.035 | 21.934 | 23544.344 | 33.374 | 1.015 | 14.677 |
| 10/7/2017 12:35 | 25300 | 72.89  | 17.953 | 166.139 | 29962.094 | 34622.156 | 21.933 | 23543.068 | 33.376 | 1.015 | 14.678 |
| 10/7/2017 12:40 | 25600 | 72.888 | 17.953 | 166.104 | 29955.627 | 34614.621 | 21.928 | 23537.945 | 33.383 | 1.015 | 14.678 |
| 10/7/2017 12:45 | 25900 | 72.891 | 17.953 | 166.142 | 29944.086 | 34601.004 | 21.918 | 23528.686 | 33.396 | 1.015 | 14.678 |
| 10/7/2017 12:50 | 26200 | 72.894 | 17.953 | 166.147 | 29963.334 | 34623.383 | 21.934 | 23543.902 | 33.374 | 1.015 | 14.678 |
| 10/7/2017 12:55 | 26500 | 72.897 | 17.953 | 166.154 | 29955.967 | 34614.73  | 21.928 | 23538.02  | 33.382 | 1.015 | 14.678 |
| 10/7/2017 13:00 | 26800 | 72.898 | 17.954 | 166.158 | 29971.398 | 34631.902 | 21.94  | 23549.693 | 33.365 | 1.015 | 14.679 |
| 10/7/2017 13:05 | 27100 | 72.895 | 17.953 | 166.149 | 29952.59  | 34611.102 | 21.925 | 23535.549 | 33.386 | 1.015 | 14.678 |
| 10/7/2017 13:10 | 27400 | 72.917 | 17.953 | 166.201 | 29947.67  | 34605.219 | 21.921 | 23531.549 | 33.392 | 1.015 | 14.676 |
| 10/7/2017 13:15 | 27700 | 72.9   | 17.953 | 166.161 | 29956.059 | 34615.109 | 21.928 | 23538.277 | 33.382 | 1.015 | 14.675 |
| 10/7/2017 13:20 | 28000 | 72.898 | 17.953 | 166.157 | 29967.93  | 34628.555 | 21.937 | 23547.418 | 33.369 | 1.015 | 14.673 |
| 10/7/2017 13:25 | 28300 | 72.905 | 17.954 | 166.173 | 29959.85  | 34619.09  | 21.931 | 23540.98  | 33.378 | 1.015 | 14.67  |
| 10/7/2017 13:30 | 28600 | 72.911 | 17.953 | 166.186 | 29978.713 | 34641.09  | 21.946 | 23555.943 | 33.357 | 1.015 | 14.668 |
| 10/7/2017 13:35 | 28900 | 72.903 | 17.954 | 166.168 | 29962.473 | 34622.055 | 21.933 | 23543     | 33.375 | 1.015 | 14.669 |
| 10/7/2017 13:40 | 29200 | 72.897 | 17.953 | 166.155 | 29967.248 | 34627.765 | 21.937 | 23546.883 | 33.37  | 1.015 | 14.671 |
| 10/7/2017 13:45 | 29500 | 72.9   | 17.953 | 166.161 | 29963.49  | 34623.77  | 21.934 | 23544.164 | 33.374 | 1.015 | 14.672 |
| 10/7/2017 13:50 | 29800 | 72.905 | 17.953 | 166.172 | 29964.82  | 34625.102 | 21.935 | 23545.068 | 33.372 | 1.015 | 14.671 |
| 10/7/2017 13:55 | 30100 | 72.9   | 17.953 | 166.162 | 29957.719 | 34617.098 | 21.929 | 23539.629 | 33.38  | 1.015 | 14.669 |
| 10/7/2017 14:00 | 30400 | 72.895 | 17.954 | 166.151 | 29960.055 | 34619.262 | 21.931 | 23541.1   | 33.378 | 1.015 | 14.668 |
| 10/7/2017 14:05 | 30700 | 72.901 | 17.953 | 166.165 | 29947.775 | 34605.34  | 21.921 | 23531.631 | 33.391 | 1.015 | 14.669 |
| 10/7/2017 14:10 | 31000 | 72.916 | 17.954 | 166.198 | 29950.428 | 34608.658 | 21.923 | 23533.617 | 33.389 | 1.015 | 14.659 |
| 10/7/2017 14:15 | 31300 | 72.895 | 17.953 | 166.151 | 29954.561 | 34613.105 | 21.927 | 23536.912 | 33.384 | 1.015 | 14.673 |
| 10/7/2017 14:20 | 31600 | 72.919 | 17.954 | 166.204 | 29975.1   | 34636.711 | 21.943 | 23552.963 | 33.361 | 1.015 | 14.67  |
| 10/7/2017 14:25 | 31900 | 72.898 | 17.953 | 166.157 | 29968.051 | 34629.168 | 21.938 | 23547.834 | 33.369 | 1.015 | 14.667 |
| 10/7/2017 14:30 | 32200 | 72.901 | 17.954 | 166.163 | 29961.547 | 34621.051 | 21.932 | 23542.316 | 33.376 | 1.015 | 14.665 |
| 10/7/2017 14:35 | 32500 | 72.899 | 17.953 | 166.16  | 29970.115 | 34631.219 | 21.939 | 23549.23  | 33.367 | 1.015 | 14.665 |
| 10/7/2017 14:40 | 32800 | 72.917 | 17.954 | 166.2   | 29945.098 | 34602.34  | 21.919 | 23529.582 | 33.395 | 1.015 | 14.665 |
| 10/7/2017 14:45 | 33100 | 72.89  | 17.953 | 166.139 | 29945.133 | 34602.352 | 21.919 | 23529.6   | 33.394 | 1.015 | 14.665 |
| 10/7/2017 14:50 | 33400 | 72.891 | 17.953 | 166.14  | 29954.703 | 34613.613 | 21.927 | 23537.258 | 33.384 | 1.015 | 14.664 |
| 10/7/2017 14:55 | 33700 | 72.892 | 17.953 | 166.142 | 29963.762 | 34624.012 | 21.934 | 23544.328 | 33.374 | 1.015 | 14.663 |
| 10/7/2017 15:00 | 34000 | 72.893 | 17.953 | 166.145 | 29956.633 | 34615.641 | 21.928 | 23538.637 | 33.382 | 1.015 | 14.661 |
| 10/7/2017 15:05 | 34300 | 72.889 | 17.953 | 166.137 | 29959.709 | 34619.195 | 21.931 | 23541.055 | 33.378 | 1.015 | 14.661 |
| 10/7/2017 15:10 | 34600 | 72.894 | 17.953 | 166.147 | 29967.486 | 34627.486 | 21.937 | 23546.696 | 33.37  | 1.015 | 14.667 |
| 10/7/2017 15:15 | 34900 | 72.886 | 17.954 | 166.131 | 29971.342 | 34632.305 | 21.94  | 23549.969 | 33.365 | 1.015 | 14.661 |
| 10/7/2017 15:20 | 35200 | 72.903 | 17.953 | 166.168 | 29958.539 | 34617.844 | 21.93  | 23540.137 | 33.379 | 1.015 | 14.66  |
| 10/7/2017 15:25 | 35500 | 72.884 | 17.954 | 166.125 | 29966.516 | 34626.793 | 21.936 | 23546.221 | 33.371 | 1.015 | 14.659 |
| 10/7/2017 15:30 | 35800 | 72.882 | 17.953 | 166.121 | 29968.563 | 34629.426 | 21.938 | 23548.012 | 33.368 | 1.015 | 14.658 |
| 10/7/2017 15:35 | 36100 | 72.882 | 17.953 | 166.119 | 29958.814 | 34618.098 | 21.93  | 23540.309 | 33.379 | 1.015 | 14.659 |
| 10/7/2017 15:40 | 36400 | 72.896 | 17.954 | 166.152 | 29956.25  | 34615     | 21.928 | 23538.203 | 33.382 | 1.015 | 14.66  |
| 10/7/2017 15:45 | 36700 | 72.875 | 17.953 | 166.106 | 29970.43  | 34631.645 | 21.94  | 23549.52  | 33.366 | 1.015 | 14.666 |
| 10/7/2017 15:50 | 37000 | 72.876 | 17.954 | 166.108 | 29958.928 | 34618.023 | 21.93  | 23540.256 | 33.379 | 1.015 | 14.661 |
| 10/7/2017 15:55 | 37300 | 72.87  | 17.953 | 166.094 | 29956.902 | 34616.016 | 21.929 | 23538.891 | 33.381 | 1.015 | 14.661 |
| 10/7/2017 16:00 | 37600 | 72.868 | 17.954 | 166.09  | 29962.385 | 34621.953 | 21.933 | 23542.928 | 33.375 | 1.015 | 14.66  |
| 10/7/2017 16:05 | 37900 | 72.861 | 17.953 | 166.073 | 29984.346 | 34647.523 | 21.951 | 23560.318 | 33.351 | 1.015 | 14.661 |
| 10/7/2017 16:10 | 38200 | 72.861 | 17.953 | 166.074 | 29950.162 | 34608.297 | 21.923 | 23533.645 | 33.389 | 1.015 | 14.662 |
| 10/7/2017 16:15 | 38500 | 72.856 | 17.954 | 166.062 | 29948.216 | 34606.244 | 21.922 | 23532.316 | 33.39  | 1.015 | 14.661 |
| 10/7/2017 16:20 | 38800 | 72.856 | 17.954 | 166.062 | 29966.855 | 34626.98  | 21.936 | 23546.348 | 33.37  | 1.015 | 14.662 |
| 10/7/2017 16:25 | 39100 | 72.874 | 17.954 | 166.103 | 29973.895 | 34635.387 | 21.942 | 23552.063 | 33.362 | 1.015 | 14.661 |
| 10/7/2017 16:30 | 39400 | 72.852 | 17.953 | 166.053 | 29951.354 | 34609.805 | 21.924 | 23534.67  | 33.387 | 1.015 | 14.661 |
| 10/7/2017 16:35 | 39700 | 72.853 | 17.953 | 166.054 | 29962.395 | 34622.16  | 21.933 | 23543.07  | 33.375 | 1.015 | 14.66  |
| 10/7/2017 16:40 | 40000 | 72.846 | 17.954 | 166.039 | 29963.111 | 34622.859 | 21.933 | 23545.547 | 33.374 | 1.015 | 14.66  |
| 10/7/2017 16:45 | 40300 | 72.845 | 17.953 | 166.037 | 29961.852 | 34620.852 | 21.932 | 23542.182 | 33.376 | 1.015 | 14.656 |
| 10/7/2017 16:50 | 40600 | 72.863 | 17.954 | 166.078 | 29966.756 | 34627.07  | 21.936 | 23546.41  | 33.37  | 1.015 | 14.659 |
| 10/7/2017 16:55 | 40900 | 72.839 | 17.953 | 166.023 | 29971.916 | 34633.434 | 21.941 | 23550.736 | 33.365 | 1.015 | 14.659 |
| 10/7/2017 17:00 | 41200 | 72.835 | 17.954 | 166.013 | 29959.01  | 34618.188 | 21.93  | 23540.369 | 33.379 | 1.015 | 14.659 |
| 10/7/2017 17:05 | 41500 | 72.83  | 17.953 | 166.003 | 29971.246 | 34632.527 | 21.94  | 23549.52  | 33.365 | 1.015 | 14.657 |
| 10/7/2017 17:10 | 41800 | 72.832 | 17.953 | 166.006 | 29972.793 | 34634.313 | 21.941 | 23551.332 | 33.364 | 1.015 | 14.655 |
| 10/7/2017 17:15 | 42100 | 72.826 | 17.953 | 165.994 | 29957.523 | 34616.727 | 21.929 | 23539.375 | 33.381 | 1.015 | 14.655 |
| 10/7/2017 17:20 | 42400 | 72.83  | 17.953 | 166.001 | 29953.211 | 34611.547 | 21.926 | 23535.852 | 33.385 | 1.015 | 14.651 |
| 10/7/2017 17:25 | 42700 | 72.827 | 17.953 | 165.996 | 29951.281 | 34609.391 | 21.924 | 23534.387 | 33.388 | 1.015 | 14.65  |
| 10/7/2017 17:30 | 43000 | 72.824 | 17.954 | 165.989 | 29958.904 | 34618.066 | 21.93  | 23540.287 | 33.379 | 1.015 | 14.648 |
| 10/7/2017 17:35 | 43300 | 72.842 | 17.953 | 166.029 | 29970.563 | 34631.734 | 21.94  | 23549.582 | 33.366 | 1.015 | 14.649 |
| 10/7/2017 17:40 | 43600 | 72.817 | 17.953 | 165.973 | 29969.77  | 34630.68  | 21.939 | 23548.865 | 33.367 | 1.015 | 14.649 |
| 10/7/2017 17:45 | 43900 | 72.817 | 17.953 | 165.972 | 29968.852 | 34629.852 | 21.938 | 23549.379 | 33.368 | 1.015 | 14.648 |
| 10/7/2017 17:50 | 44200 | 72.804 | 17.954 | 165.942 | 29956.809 | 34615.645 | 21.928 | 23538.639 | 33.381 | 1.015 | 14.651 |
| 10/7/2017 17:55 | 44500 | 72.803 | 17.953 | 165.94  | 2         |           |        |           |        |       |        |

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|-----------------|--------|--------|--------|---------|-----------|-----------|--------|-----------|--------|-------|--------|
| 10/8/2017 4:45  | 283500 | 72.832 | 17.953 | 166.006 | 29955.371 | 34614.117 | 21.927 | 23537.602 | 33.383 | 1.015 | 14.633 |
| 10/8/2017 4:50  | 283800 | 72.848 | 17.953 | 166.042 | 29964.561 | 34624.66  | 21.935 | 23544.771 | 33.373 | 1.015 | 14.631 |
| 10/8/2017 4:55  | 284100 | 72.85  | 17.953 | 166.049 | 29950.84  | 34608.883 | 21.924 | 23534.043 | 33.388 | 1.015 | 14.63  |
| 10/8/2017 5:00  | 284400 | 72.854 | 17.953 | 166.057 | 29955.535 | 34614.309 | 21.927 | 23537.73  | 33.383 | 1.015 | 14.629 |
| 10/8/2017 5:05  | 284700 | 72.834 | 17.953 | 166.012 | 29975.68  | 34637.586 | 21.944 | 23553.561 | 33.36  | 1.015 | 14.627 |
| 10/8/2017 5:10  | 285000 | 72.852 | 17.953 | 166.053 | 29958.977 | 34618.211 | 21.93  | 23540.385 | 33.379 | 1.015 | 14.625 |
| 10/8/2017 5:15  | 285300 | 72.834 | 17.953 | 166.012 | 29942.952 | 34599.637 | 21.917 | 23527.556 | 33.37  | 1.015 | 14.624 |
| 10/8/2017 5:20  | 285600 | 72.829 | 17.953 | 166     | 29967.434 | 34628.324 | 21.937 | 23547.26  | 33.37  | 1.015 | 14.627 |
| 10/8/2017 5:25  | 285900 | 72.828 | 17.954 | 165.997 | 29956.656 | 34615.336 | 21.928 | 23538.43  | 33.382 | 1.015 | 14.629 |
| 10/8/2017 5:30  | 286200 | 72.825 | 17.953 | 165.991 | 29967.117 | 34627.691 | 21.937 | 23546.832 | 33.37  | 1.015 | 14.632 |
| 10/8/2017 5:35  | 286500 | 72.822 | 17.953 | 165.984 | 29955.93  | 34614.961 | 21.928 | 23538.176 | 33.382 | 1.015 | 14.63  |
| 10/8/2017 5:40  | 286800 | 72.846 | 17.953 | 166.038 | 29971.754 | 34632.973 | 21.941 | 23550.422 | 33.365 | 1.015 | 14.628 |
| 10/8/2017 5:45  | 287100 | 72.841 | 17.953 | 166.027 | 29962.059 | 34632.059 | 21.933 | 23543.002 | 33.375 | 1.015 | 14.627 |
| 10/8/2017 5:50  | 287400 | 72.82  | 17.954 | 165.98  | 29974.865 | 34636.234 | 21.943 | 23552.639 | 33.361 | 1.015 | 14.628 |
| 10/8/2017 5:55  | 287700 | 72.844 | 17.953 | 166.033 | 29952.73  | 34611.262 | 21.925 | 23535.66  | 33.386 | 1.015 | 14.63  |
| 10/8/2017 6:00  | 288000 | 72.823 | 17.953 | 165.986 | 29970.775 | 34632.047 | 21.94  | 23549.793 | 33.366 | 1.015 | 14.631 |
| 10/8/2017 6:05  | 288300 | 72.814 | 17.953 | 165.966 | 29960.828 | 34620.621 | 21.932 | 23542.025 | 33.377 | 1.015 | 14.633 |
| 10/8/2017 6:10  | 288600 | 72.813 | 17.953 | 165.964 | 29963.348 | 34623.336 | 21.934 | 23543.871 | 33.374 | 1.015 | 14.635 |
| 10/8/2017 6:15  | 288900 | 72.827 | 17.953 | 165.96  | 29940.703 | 34597.367 | 21.916 | 23526.211 | 33.399 | 1.015 | 14.639 |
| 10/8/2017 6:20  | 289200 | 72.829 | 17.953 | 166     | 29937.109 | 34593.215 | 21.913 | 23523.389 | 33.403 | 1.015 | 14.635 |
| 10/8/2017 6:25  | 289500 | 72.812 | 17.953 | 165.961 | 29976.336 | 34638.473 | 21.944 | 23554.162 | 33.36  | 1.015 | 14.633 |
| 10/8/2017 6:30  | 289800 | 72.813 | 17.953 | 165.963 | 29945.688 | 34602.926 | 21.92  | 23529.99  | 33.394 | 1.015 | 14.631 |
| 10/8/2017 6:35  | 290100 | 72.831 | 17.954 | 166.004 | 29972.531 | 34633.742 | 21.941 | 23550.947 | 33.364 | 1.015 | 14.633 |
| 10/8/2017 6:40  | 290400 | 72.808 | 17.953 | 165.952 | 29958.316 | 34617.386 | 21.93  | 23539.961 | 33.38  | 1.015 | 14.634 |
| 10/8/2017 6:45  | 290700 | 72.809 | 17.954 | 165.953 | 29962.211 | 34621.887 | 21.933 | 23542.885 | 33.375 | 1.015 | 14.636 |
| 10/8/2017 6:50  | 291000 | 72.825 | 17.954 | 165.991 | 29937.787 | 34593.531 | 21.913 | 23523.604 | 33.403 | 1.015 | 14.636 |
| 10/8/2017 6:55  | 291300 | 72.806 | 17.953 | 165.946 | 29970.18  | 34631.293 | 21.939 | 23549.279 | 33.367 | 1.015 | 14.637 |
| 10/8/2017 7:00  | 291600 | 72.806 | 17.954 | 165.947 | 29976.008 | 34637.828 | 21.944 | 23553.725 | 33.36  | 1.015 | 14.637 |
| 10/8/2017 7:05  | 291900 | 72.804 | 17.953 | 165.942 | 29957.352 | 34616.469 | 21.929 | 23539.199 | 33.381 | 1.015 | 14.636 |
| 10/8/2017 7:10  | 292200 | 72.823 | 17.953 | 165.987 | 29978.037 | 34640.438 | 21.946 | 23555.5   | 33.358 | 1.015 | 14.634 |
| 10/8/2017 7:15  | 292500 | 72.809 | 17.953 | 165.951 | 29955.186 | 34613.969 | 21.927 | 23537.498 | 33.383 | 1.015 | 14.633 |
| 10/8/2017 7:20  | 292800 | 72.812 | 17.953 | 165.962 | 29970.469 | 34631.691 | 21.94  | 23549.551 | 33.366 | 1.015 | 14.632 |
| 10/8/2017 7:25  | 293100 | 72.826 | 17.953 | 165.992 | 29950.85  | 34609.16  | 21.924 | 23534.229 | 33.388 | 1.015 | 14.632 |
| 10/8/2017 7:30  | 293400 | 72.808 | 17.953 | 165.952 | 29960.947 | 34620.891 | 21.932 | 23542.205 | 33.377 | 1.015 | 14.631 |
| 10/8/2017 7:35  | 293700 | 72.809 | 17.954 | 165.955 | 29961.605 | 34621.117 | 21.932 | 23542.359 | 33.376 | 1.015 | 14.633 |
| 10/8/2017 7:40  | 294000 | 72.804 | 17.953 | 165.943 | 29942.49  | 34599.234 | 21.917 | 23527.48  | 33.397 | 1.015 | 14.634 |
| 10/8/2017 7:45  | 294300 | 72.809 | 17.953 | 165.953 | 29977.443 | 34639.683 | 21.945 | 23549.988 | 33.358 | 1.015 | 14.638 |
| 10/8/2017 7:50  | 294600 | 72.805 | 17.953 | 165.944 | 29970.543 | 34631.848 | 21.94  | 23549.658 | 33.366 | 1.015 | 14.635 |
| 10/8/2017 7:55  | 294900 | 72.807 | 17.954 | 165.949 | 29958.053 | 34617.082 | 21.929 | 23539.615 | 33.38  | 1.015 | 14.634 |
| 10/8/2017 8:00  | 295200 | 72.811 | 17.954 | 165.959 | 29956.742 | 34615.5   | 21.928 | 23538.541 | 33.381 | 1.015 | 14.634 |
| 10/8/2017 8:05  | 295500 | 72.808 | 17.954 | 165.952 | 29945.393 | 34602.32  | 21.919 | 23529.58  | 33.394 | 1.015 | 14.633 |
| 10/8/2017 8:10  | 295800 | 72.813 | 17.953 | 165.962 | 29955.883 | 34614.633 | 21.928 | 23537.953 | 33.382 | 1.015 | 14.632 |
| 10/8/2017 8:15  | 296100 | 72.809 | 17.953 | 165.952 | 29964.758 | 34624.952 | 21.925 | 23549.977 | 33.373 | 1.015 | 14.632 |
| 10/8/2017 8:20  | 296400 | 72.83  | 17.953 | 166.001 | 29971.73  | 34633.219 | 21.941 | 23550.59  | 33.365 | 1.015 | 14.634 |
| 10/8/2017 8:25  | 296700 | 72.81  | 17.953 | 165.955 | 29968.219 | 34629.293 | 21.938 | 23547.92  | 33.369 | 1.015 | 14.637 |
| 10/8/2017 8:30  | 297000 | 72.805 | 17.953 | 165.944 | 29960.74  | 34620.59  | 21.932 | 23542.004 | 33.377 | 1.015 | 14.639 |
| 10/8/2017 8:35  | 297300 | 72.812 | 17.953 | 165.961 | 29972.98  | 34634.797 | 21.942 | 23551.662 | 33.363 | 1.015 | 14.64  |
| 10/8/2017 8:40  | 297600 | 72.807 | 17.954 | 165.951 | 29974.799 | 34636.363 | 21.943 | 23552.727 | 33.361 | 1.015 | 14.64  |
| 10/8/2017 8:45  | 297900 | 72.826 | 17.954 | 165.987 | 29956.167 | 34641.637 | 21.928 | 23537.955 | 33.382 | 1.015 | 14.638 |
| 10/8/2017 8:50  | 298200 | 72.811 | 17.953 | 165.96  | 29959.172 | 34618.707 | 21.931 | 23540.723 | 33.379 | 1.015 | 14.64  |
| 10/8/2017 8:55  | 298500 | 72.829 | 17.954 | 166     | 29966.602 | 34626.961 | 21.936 | 23546.336 | 33.37  | 1.015 | 14.639 |
| 10/8/2017 9:00  | 298800 | 72.837 | 17.953 | 166.018 | 29959.77  | 34619.531 | 21.931 | 23541.283 | 33.378 | 1.015 | 14.639 |
| 10/8/2017 9:05  | 299100 | 72.819 | 17.953 | 165.976 | 29945.695 | 34603.066 | 21.92  | 23530.086 | 33.394 | 1.015 | 14.639 |
| 10/8/2017 9:10  | 299400 | 72.836 | 17.953 | 166.015 | 29968.482 | 34629.332 | 21.938 | 23547.947 | 33.368 | 1.015 | 14.64  |
| 10/8/2017 9:15  | 299700 | 72.82  | 17.953 | 165.979 | 29959.998 | 34619.465 | 21.931 | 23541.236 | 33.378 | 1.015 | 14.64  |
| 10/8/2017 9:20  | 300000 | 72.823 | 17.954 | 165.986 | 29969.592 | 34630.414 | 21.939 | 23548.684 | 33.367 | 1.015 | 14.647 |
| 10/8/2017 9:25  | 300300 | 72.825 | 17.953 | 165.99  | 29972.83  | 34634.219 | 21.941 | 23551.271 | 33.364 | 1.015 | 14.639 |
| 10/8/2017 9:30  | 300600 | 72.833 | 17.953 | 166.008 | 29952.982 | 34611.555 | 21.926 | 23535.857 | 33.386 | 1.015 | 14.639 |
| 10/8/2017 9:35  | 300900 | 72.825 | 17.953 | 165.991 | 29971.357 | 34632.922 | 21.94  | 23550.389 | 33.365 | 1.015 | 14.64  |
| 10/8/2017 9:40  | 301200 | 72.841 | 17.953 | 166.028 | 29976.68  | 34638.805 | 21.945 | 23554.389 | 33.359 | 1.015 | 14.642 |
| 10/8/2017 9:45  | 301500 | 72.825 | 17.953 | 165.991 | 29948.666 | 34606.496 | 21.922 | 23532.42  | 33.39  | 1.015 | 14.644 |
| 10/8/2017 9:50  | 301800 | 72.847 | 17.953 | 166.041 | 29958.465 | 34618.023 | 21.93  | 23540.256 | 33.38  | 1.015 | 14.645 |
| 10/8/2017 9:55  | 302100 | 72.826 | 17.953 | 165.992 | 29971.174 | 34632.648 | 21.94  | 23550.201 | 33.365 | 1.015 | 14.639 |
| 10/8/2017 10:00 | 302400 | 72.833 | 17.953 | 166.009 | 29949.803 | 34607.953 | 21.923 | 23533.408 | 33.389 | 1.015 | 14.636 |
| 10/8/2017 10:05 | 302700 | 72.86  | 17.953 | 166.07  | 29960.697 | 34620.199 | 21.932 | 23541.736 | 33.377 | 1.015 | 14.636 |
| 10/8/2017 10:10 | 303000 | 72.838 | 17.953 | 166.019 | 29966.947 | 34627.559 | 21.937 | 23546.742 | 33.37  | 1.015 | 14.637 |
| 10/8/2017 10:15 | 303300 | 72.837 | 17.954 | 166.018 | 29959.066 | 34618.121 | 21.93  | 23540.324 | 33.379 | 1.015 | 14.637 |
| 10/8/2017 10:20 | 303600 | 72.856 | 17.953 | 166.065 | 29960.789 | 34620.67  | 21.938 | 23541.9   | 33.377 | 1.015 | 14.637 |
| 10/8/2017 10:25 | 303900 | 72.848 | 17.953 | 166.042 | 29973.285 | 34635.016 | 21.942 | 23551.811 | 33.363 | 1.015 | 14.631 |
| 10/8/2017 10:30 | 304200 | 72.855 | 17.953 | 166.059 | 29951.176 | 34609.27  | 21.924 | 23534.303 | 33.388 | 1.015 | 14.629 |
| 10/8/2017 10:35 | 304500 | 72.879 | 17.953 | 166.113 | 29963.568 | 34623.59  | 21.934 | 23544.043 | 33.374 | 1.015 | 14.629 |
| 10/8/2017 10:40 | 304800 | 72.855 | 17.953 | 166.059 | 29947.57  | 34605.027 | 21.921 | 23531.42  | 33.392 | 1.015 | 14.63  |
| 10/8/2017 10:45 | 305100 | 72.86  | 17.954 | 166.071 | 29947.283 | 34604.57  | 21.921 | 23531.109 | 33.392 | 1.015 | 14.631 |
| 10/8/2017 10:50 | 305400 | 72.852 | 17.953 | 166.053 | 29969.123 | 34630.073 | 21.938 | 23548.449 | 33.368 | 1.015 | 14.638 |
| 10/8/2017 10:55 | 305700 | 72.874 | 17.953 | 166.103 | 29969.332 | 34630.25  | 21.939 | 23548.57  | 33.367 | 1.015 | 14.634 |
| 10/8/2017 11:00 | 306000 | 72.879 | 17.953 | 166.113 | 29967.379 | 34628.121 | 21.937 | 23547.125 | 33.37  | 1.015 | 14.635 |
| 10/8/2017 11:05 | 306300 | 72.862 | 17.954 | 166.076 | 29959.531 | 34618.594 | 21.93  | 23540.646 | 33.378 | 1.015 | 14.633 |
| 10/8/2017 11:10 | 306600 | 72.887 | 17.953 | 166.132 | 29953.957 | 34612.68  | 21.926 | 23536.625 | 33.385 | 1.015 | 14.63  |
| 10/8/2017 11:15 | 306900 | 72.872 | 17.953 | 166.098 | 29964.535 | 34624.836 | 21.935 | 23544.889 | 33.373 | 1.015 | 14.627 |
| 10/8/2017 11:20 | 307200 | 72.876 | 17.953 | 166.107 | 29963.007 | 34620.607 | 21.932 | 23542.072 | 33.377 | 1.015 | 14.627 |
| 10/8/2017 11:25 | 307500 | 72.87  | 17.953 | 166.094 | 29974.525 | 34636.316 | 21.943 | 23552.695 | 33.362 | 1.015 | 14.629 |
| 10/8/2017 11:30 | 307800 | 72.882 | 17.9   |         |           |           |        |           |        |       |        |

|                 |        |        |        |         |           |            |        |           |        |       |        |
|-----------------|--------|--------|--------|---------|-----------|------------|--------|-----------|--------|-------|--------|
| 10/8/2017 22:20 | 346800 | 72.779 | 17.953 | 165.885 | 29952.287 | 34610.824  | 21.925 | 23535.361 | 33.386 | 1.015 | 14.622 |
| 10/8/2017 22:25 | 347100 | 72.795 | 17.953 | 165.923 | 29968.885 | 34630.063  | 21.938 | 23548.445 | 33.368 | 1.015 | 14.621 |
| 10/8/2017 22:30 | 347400 | 72.775 | 17.953 | 165.877 | 29976.492 | 34638.996  | 21.945 | 23554.518 | 33.359 | 1.015 | 14.621 |
| 10/8/2017 22:35 | 347700 | 72.778 | 17.953 | 165.883 | 29957.457 | 34616.926  | 21.929 | 23539.51  | 33.381 | 1.015 | 14.621 |
| 10/8/2017 22:40 | 348000 | 72.779 | 17.953 | 165.886 | 29967.922 | 34628.953  | 21.938 | 23547.689 | 33.369 | 1.015 | 14.622 |
| 10/8/2017 22:45 | 348300 | 72.786 | 17.953 | 165.902 | 29955.104 | 34609.137  | 21.924 | 23534.215 | 33.388 | 1.015 | 14.622 |
| 10/8/2017 22:50 | 348600 | 72.782 | 17.953 | 165.893 | 29974.286 | 34616.097  | 21.943 | 23525.014 | 33.363 | 1.015 | 14.623 |
| 10/8/2017 22:55 | 348900 | 72.785 | 17.953 | 165.901 | 29958.006 | 34617.633  | 21.93  | 23539.992 | 33.38  | 1.015 | 14.625 |
| 10/8/2017 23:00 | 349200 | 72.782 | 17.953 | 165.892 | 29951.719 | 34610.168  | 21.925 | 23534.916 | 33.387 | 1.015 | 14.626 |
| 10/8/2017 23:05 | 349500 | 72.808 | 17.953 | 165.951 | 29959.24  | 34618.785  | 21.931 | 23540.775 | 33.379 | 1.015 | 14.625 |
| 10/8/2017 23:10 | 349800 | 72.807 | 17.953 | 165.949 | 29955.168 | 34614.012  | 21.927 | 23537.529 | 33.383 | 1.015 | 14.624 |
| 10/8/2017 23:15 | 350100 | 72.793 | 17.953 | 165.918 | 29955.382 | 34614.629  | 21.928 | 23537.949 | 33.383 | 1.015 | 14.623 |
| 10/8/2017 23:20 | 350400 | 72.796 | 17.953 | 165.923 | 29959.344 | 34619.238  | 21.931 | 23541.082 | 33.379 | 1.015 | 14.624 |
| 10/8/2017 23:25 | 350700 | 72.801 | 17.953 | 165.935 | 29949.502 | 34607.465  | 21.923 | 23533.078 | 33.39  | 1.015 | 14.624 |
| 10/8/2017 23:30 | 351000 | 72.8   | 17.953 | 165.935 | 29949.178 | 34606.961  | 21.922 | 23532.736 | 33.39  | 1.015 | 14.624 |
| 10/8/2017 23:35 | 351300 | 72.819 | 17.953 | 165.977 | 29967.918 | 34628.887  | 21.938 | 23547.645 | 33.369 | 1.015 | 14.626 |
| 10/8/2017 23:40 | 351600 | 72.82  | 17.953 | 165.979 | 29952.928 | 34611.359  | 21.925 | 23535.727 | 33.386 | 1.015 | 14.629 |
| 10/8/2017 23:45 | 351900 | 72.798 | 17.953 | 165.928 | 29953.576 | 34612.172  | 21.926 | 23536.277 | 33.385 | 1.015 | 14.631 |
| 10/8/2017 23:50 | 352200 | 72.817 | 17.953 | 165.972 | 29949.919 | 34608.289  | 21.923 | 23533.639 | 33.389 | 1.015 | 14.628 |
| 10/8/2017 23:55 | 352500 | 72.825 | 17.953 | 165.99  | 29961.639 | 34621.359  | 21.932 | 23542.525 | 33.376 | 1.015 | 14.626 |
| 10/9/2017 0:00  | 352800 | 72.827 | 17.953 | 165.996 | 29955.553 | 34614.457  | 21.928 | 23537.83  | 33.383 | 1.015 | 14.624 |
| 10/9/2017 0:05  | 353100 | 72.808 | 17.953 | 165.953 | 29971.51  | 34632.965  | 21.94  | 23550.416 | 33.365 | 1.015 | 14.626 |
| 10/9/2017 0:10  | 353400 | 72.807 | 17.953 | 165.95  | 29956.873 | 34616.184  | 21.929 | 23539.008 | 33.381 | 1.015 | 14.628 |
| 10/9/2017 0:15  | 353700 | 72.811 | 17.952 | 165.959 | 29966.533 | 34627.746  | 21.937 | 23546.867 | 33.371 | 1.015 | 14.63  |
| 10/9/2017 0:20  | 354000 | 72.832 | 17.953 | 166.006 | 29953.221 | 34611.832  | 21.926 | 23536.049 | 33.385 | 1.015 | 14.635 |
| 10/9/2017 0:25  | 354300 | 72.81  | 17.953 | 165.957 | 29970.104 | 34631.473  | 21.939 | 23549.404 | 33.367 | 1.015 | 14.629 |
| 10/9/2017 0:30  | 354600 | 72.815 | 17.953 | 165.968 | 29954.115 | 34612.996  | 21.927 | 23536.838 | 33.384 | 1.015 | 14.629 |
| 10/9/2017 0:35  | 354900 | 72.817 | 17.953 | 165.973 | 29972.193 | 34633.953  | 21.941 | 23551.088 | 33.364 | 1.015 | 14.629 |
| 10/9/2017 0:40  | 355200 | 72.821 | 17.953 | 165.983 | 29941.41  | 34598.254  | 21.916 | 23526.814 | 33.399 | 1.015 | 14.629 |
| 10/9/2017 0:45  | 355500 | 72.819 | 17.953 | 165.976 | 29937.895 | 34594.523  | 21.914 | 23524.277 | 33.402 | 1.015 | 14.63  |
| 10/9/2017 0:50  | 355800 | 72.82  | 17.953 | 165.98  | 29966.39  | 34627.742  | 21.937 | 23546.865 | 33.37  | 1.015 | 14.633 |
| 10/9/2017 0:55  | 356100 | 72.824 | 17.953 | 165.989 | 29957.148 | 34616.301  | 21.929 | 23539.086 | 33.381 | 1.015 | 14.627 |
| 10/9/2017 1:00  | 356400 | 72.829 | 17.954 | 166     | 29955.148 | 34613.727  | 21.927 | 23537.334 | 33.383 | 1.015 | 14.625 |
| 10/9/2017 1:05  | 356700 | 72.831 | 17.953 | 166.003 | 29968.678 | 34629.762  | 21.938 | 23548.238 | 33.368 | 1.015 | 14.626 |
| 10/9/2017 1:10  | 357000 | 72.856 | 17.953 | 166.061 | 29968.428 | 34629.402  | 21.938 | 23547.994 | 33.368 | 1.015 | 14.627 |
| 10/9/2017 1:15  | 357300 | 72.835 | 17.953 | 166.012 | 29979.594 | 34642.305  | 21.947 | 23556.768 | 33.356 | 1.015 | 14.628 |
| 10/9/2017 1:20  | 357600 | 72.836 | 17.953 | 166.015 | 29960.039 | 34619.6415 | 21.931 | 23541.357 | 33.378 | 1.015 | 14.637 |
| 10/9/2017 1:25  | 357900 | 72.839 | 17.953 | 166.023 | 29949.762 | 34607.832  | 21.923 | 23533.326 | 33.389 | 1.015 | 14.624 |
| 10/9/2017 1:30  | 358200 | 72.842 | 17.953 | 166.029 | 29950.498 | 34608.754  | 21.924 | 23533.955 | 33.388 | 1.015 | 14.623 |
| 10/9/2017 1:35  | 358500 | 72.845 | 17.953 | 166.036 | 29970.027 | 34631.383  | 21.939 | 23549.342 | 33.367 | 1.015 | 14.624 |
| 10/9/2017 1:40  | 358800 | 72.846 | 17.953 | 166.039 | 29962.85  | 34623.027  | 21.934 | 23543.66  | 33.375 | 1.015 | 14.626 |
| 10/9/2017 1:45  | 359100 | 72.847 | 17.953 | 166.042 | 29961.035 | 34620.93   | 21.932 | 23542.234 | 33.377 | 1.015 | 14.628 |
| 10/9/2017 1:50  | 359400 | 72.849 | 17.954 | 166.045 | 29960.227 | 34609.227  | 21.924 | 23542.275 | 33.384 | 1.015 | 14.63  |
| 10/9/2017 1:55  | 359700 | 72.847 | 17.953 | 166.041 | 29952.813 | 34611.691  | 21.926 | 23535.951 | 33.386 | 1.015 | 14.632 |
| 10/9/2017 2:00  | 360000 | 72.864 | 17.953 | 166.08  | 29967.441 | 34628.664  | 21.937 | 23547.492 | 33.37  | 1.015 | 14.634 |
| 10/9/2017 2:05  | 360300 | 72.868 | 17.953 | 166.089 | 29969.045 | 34630.449  | 21.939 | 23548.707 | 33.368 | 1.015 | 14.632 |
| 10/9/2017 2:10  | 360600 | 72.855 | 17.953 | 166.058 | 29965.168 | 34625.77   | 21.935 | 23545.525 | 33.372 | 1.015 | 14.63  |
| 10/9/2017 2:15  | 360900 | 72.88  | 17.953 | 166.116 | 29955.771 | 34614.777  | 21.928 | 23538.049 | 33.383 | 1.015 | 14.628 |
| 10/9/2017 2:20  | 361200 | 72.847 | 17.954 | 166.077 | 29949.748 | 34607.347  | 21.923 | 23532.998 | 33.389 | 1.015 | 14.639 |
| 10/9/2017 2:25  | 361500 | 72.861 | 17.953 | 166.072 | 29947.682 | 34605.23   | 21.921 | 23531.557 | 33.392 | 1.015 | 14.63  |
| 10/9/2017 2:30  | 361800 | 72.863 | 17.953 | 166.078 | 29959.402 | 34618.902  | 21.931 | 23540.855 | 33.379 | 1.015 | 14.631 |
| 10/9/2017 2:35  | 362100 | 72.86  | 17.953 | 166.07  | 29964.404 | 34624.824  | 21.935 | 23544.881 | 33.373 | 1.015 | 14.632 |
| 10/9/2017 2:40  | 362400 | 72.863 | 17.953 | 166.077 | 29946.139 | 34603.578  | 21.92  | 23530.436 | 33.393 | 1.015 | 14.632 |
| 10/9/2017 2:45  | 362700 | 72.859 | 17.953 | 166.067 | 29949.637 | 34607.762  | 21.923 | 23533.277 | 33.389 | 1.015 | 14.633 |
| 10/9/2017 2:50  | 363000 | 72.886 | 17.953 | 166.129 | 29967.15  | 34627.996  | 21.937 | 23547.099 | 33.37  | 1.015 | 14.633 |
| 10/9/2017 2:55  | 363300 | 72.862 | 17.953 | 166.075 | 29966.479 | 34626.853  | 21.926 | 23546.33  | 33.371 | 1.015 | 14.634 |
| 10/9/2017 3:00  | 363600 | 72.865 | 17.953 | 166.082 | 29938.824 | 34595.395  | 21.914 | 23524.869 | 33.401 | 1.015 | 14.634 |
| 10/9/2017 3:05  | 363900 | 72.867 | 17.953 | 166.086 | 29956.395 | 34615.699  | 21.928 | 23538.678 | 33.382 | 1.015 | 14.632 |
| 10/9/2017 3:10  | 364200 | 72.889 | 17.953 | 166.137 | 29959.104 | 34618.828  | 21.931 | 23540.805 | 33.379 | 1.015 | 14.631 |
| 10/9/2017 3:15  | 364500 | 72.892 | 17.953 | 166.144 | 29956.893 | 34615.875  | 21.929 | 23538.795 | 33.381 | 1.015 | 14.629 |
| 10/9/2017 3:20  | 364800 | 72.89  | 17.953 | 166.139 | 29972.793 | 34634.781  | 21.942 | 23555.652 | 33.364 | 1.015 | 14.629 |
| 10/9/2017 3:25  | 365100 | 72.871 | 17.953 | 166.096 | 29957.607 | 34617.031  | 21.929 | 23539.584 | 33.381 | 1.015 | 14.64  |
| 10/9/2017 3:30  | 365400 | 72.874 | 17.953 | 166.102 | 29966.184 | 34627.008  | 21.936 | 23546.365 | 33.371 | 1.015 | 14.628 |
| 10/9/2017 3:35  | 365700 | 72.894 | 17.953 | 166.147 | 29948.475 | 34606.547  | 21.922 | 23532.451 | 33.391 | 1.015 | 14.627 |
| 10/9/2017 3:40  | 366000 | 72.875 | 17.953 | 166.104 | 29943.004 | 34600.156  | 21.918 | 23528.109 | 33.397 | 1.015 | 14.627 |
| 10/9/2017 3:45  | 366300 | 72.879 | 17.953 | 166.114 | 29945.488 | 34602.895  | 21.92  | 23529.971 | 33.394 | 1.015 | 14.627 |
| 10/9/2017 3:50  | 366600 | 72.896 | 17.953 | 166.153 | 29959.145 | 34619.078  | 21.931 | 23540.975 | 33.379 | 1.015 | 14.628 |
| 10/9/2017 3:55  | 366900 | 72.895 | 17.953 | 166.15  | 29957.233 | 34616.539  | 21.927 | 23539.248 | 33.381 | 1.015 | 14.63  |
| 10/9/2017 4:00  | 367200 | 72.9   | 17.953 | 166.161 | 29970.838 | 34632.461  | 21.94  | 23550.076 | 33.366 | 1.015 | 14.632 |
| 10/9/2017 4:05  | 367500 | 72.894 | 17.953 | 166.149 | 29949.738 | 34607.609  | 21.923 | 23533.174 | 33.389 | 1.015 | 14.632 |
| 10/9/2017 4:10  | 367800 | 72.878 | 17.953 | 166.112 | 29956.16  | 34615.297  | 21.928 | 23538.402 | 33.382 | 1.015 | 14.631 |
| 10/9/2017 4:15  | 368100 | 72.877 | 17.953 | 166.108 | 29961.986 | 34622.16   | 21.933 | 23543.07  | 33.376 | 1.015 | 14.631 |
| 10/9/2017 4:20  | 368400 | 72.877 | 17.953 | 166.11  | 29954.93  | 34613.805  | 21.927 | 23537.389 | 33.383 | 1.015 | 14.632 |
| 10/9/2017 4:25  | 368700 | 72.879 | 17.953 | 166.113 | 29942.166 | 34599.823  | 21.917 | 23527.883 | 33.397 | 1.015 | 14.637 |
| 10/9/2017 4:30  | 369000 | 72.875 | 17.953 | 166.104 | 29948.955 | 34606.77   | 21.922 | 23532.604 | 33.39  | 1.015 | 14.634 |
| 10/9/2017 4:35  | 369300 | 72.876 | 17.953 | 166.107 | 29941.48  | 34598.598  | 21.917 | 23527.049 | 33.398 | 1.015 | 14.634 |
| 10/9/2017 4:40  | 369600 | 72.898 | 17.953 | 166.158 | 29975.535 | 34638.02   | 21.944 | 23553.854 | 33.361 | 1.015 | 14.633 |
| 10/9/2017 4:45  | 369900 | 72.9   | 17.953 | 166.162 | 29975.916 | 34637.984  | 21.944 | 23553.832 | 33.36  | 1.015 | 14.632 |
| 10/9/2017 4:50  | 370200 | 72.897 | 17.953 | 166.155 | 29961.893 | 34621.652  | 21.933 | 23542.727 | 33.376 | 1.015 | 14.633 |
| 10/9/2017 4:55  | 370500 | 72.881 | 17.953 | 166.118 | 29954.326 | 34613.395  | 21.927 | 23543.111 | 33.384 | 1.015 | 14.634 |
| 10/9/2017 5:00  | 370800 | 72.9   | 17.953 | 166.162 | 29952.836 | 34611.719  | 21.926 | 23535.971 | 33.386 | 1.015 | 14.633 |
| 10/9/           |        |        |        |         |           |            |        |           |        |       |        |

|                 |        |        |        |         |           |           |        |           |        |       |        |
|-----------------|--------|--------|--------|---------|-----------|-----------|--------|-----------|--------|-------|--------|
| 10/9/2017 15:55 | 410100 | 72.959 | 17.953 | 166.296 | 29964.85  | 34625.27  | 21.935 | 23545.186 | 33.372 | 1.015 | 14.689 |
| 10/9/2017 16:00 | 410400 | 72.965 | 17.953 | 166.31  | 29951.971 | 34610.457 | 21.925 | 23535.113 | 33.387 | 1.015 | 14.687 |
| 10/9/2017 16:05 | 410700 | 72.968 | 17.953 | 166.316 | 29973.85  | 34636.07  | 21.943 | 23552.529 | 33.362 | 1.015 | 14.685 |
| 10/9/2017 16:10 | 411000 | 72.965 | 17.953 | 166.309 | 29945.488 | 34602.824 | 21.919 | 23529.92  | 33.394 | 1.015 | 14.683 |
| 10/9/2017 16:15 | 411300 | 72.967 | 17.953 | 166.315 | 29961.873 | 34622.102 | 21.933 | 23543.029 | 33.376 | 1.015 | 14.682 |
| 10/9/2017 16:20 | 411600 | 72.986 | 17.953 | 166.358 | 29960.936 | 34621.078 | 21.932 | 23542.336 | 33.377 | 1.015 | 14.683 |
| 10/9/2017 16:25 | 411900 | 72.963 | 17.953 | 166.304 | 29967.554 | 34628.04  | 21.937 | 23547.15  | 33.37  | 1.015 | 14.684 |
| 10/9/2017 16:30 | 412200 | 72.959 | 17.953 | 166.297 | 29964.59  | 34625.301 | 21.935 | 23545.207 | 33.373 | 1.015 | 14.685 |
| 10/9/2017 16:35 | 412500 | 72.978 | 17.953 | 166.34  | 29945.789 | 34603.645 | 21.92  | 23530.479 | 33.394 | 1.015 | 14.688 |
| 10/9/2017 16:40 | 412800 | 72.952 | 17.953 | 166.281 | 29949.729 | 34607.727 | 21.923 | 23533.254 | 33.389 | 1.015 | 14.691 |
| 10/9/2017 16:45 | 413100 | 72.947 | 17.953 | 166.269 | 29961.031 | 34620.855 | 21.932 | 23542.184 | 33.377 | 1.015 | 14.693 |
| 10/9/2017 16:50 | 413400 | 72.949 | 17.953 | 166.273 | 29957.814 | 34617.473 | 21.93  | 23539.883 | 33.38  | 1.015 | 14.692 |
| 10/9/2017 16:55 | 413700 | 72.967 | 17.953 | 166.314 | 29951.469 | 34609.879 | 21.924 | 23534.719 | 33.387 | 1.015 | 14.69  |
| 10/9/2017 17:00 | 414000 | 72.945 | 17.953 | 166.264 | 29953.189 | 34611.996 | 21.926 | 23536.16  | 33.385 | 1.015 | 14.689 |
| 10/9/2017 17:05 | 414300 | 72.943 | 17.953 | 166.259 | 29955.404 | 34614.758 | 21.928 | 23538.037 | 33.383 | 1.015 | 14.689 |
| 10/9/2017 17:10 | 414600 | 72.96  | 17.953 | 166.299 | 29945.658 | 34603.293 | 21.92  | 23530.24  | 33.394 | 1.015 | 14.69  |
| 10/9/2017 17:15 | 414900 | 72.94  | 17.953 | 166.253 | 29948.197 | 34606.359 | 21.922 | 23532.326 | 33.391 | 1.015 | 14.691 |
| 10/9/2017 17:20 | 415200 | 72.954 | 17.953 | 166.286 | 29960.291 | 34620.332 | 21.932 | 23541.828 | 33.378 | 1.015 | 14.691 |
| 10/9/2017 17:25 | 415500 | 72.935 | 17.952 | 166.241 | 29952.611 | 34611.656 | 21.926 | 23535.926 | 33.386 | 1.015 | 14.692 |
| 10/9/2017 17:30 | 415800 | 72.933 | 17.953 | 166.237 | 29957.186 | 34616.688 | 21.929 | 23539.348 | 33.381 | 1.015 | 14.693 |
| 10/9/2017 17:35 | 416100 | 72.93  | 17.953 | 166.229 | 29974.654 | 34636.871 | 21.943 | 23553.074 | 33.362 | 1.015 | 14.691 |
| 10/9/2017 17:40 | 416400 | 72.925 | 17.953 | 166.22  | 29940.145 | 34596.719 | 21.915 | 23525.77  | 33.4   | 1.015 | 14.69  |
| 10/9/2017 17:45 | 416700 | 72.927 | 17.953 | 166.223 | 29949.461 | 34607.559 | 21.923 | 23533.143 | 33.39  | 1.015 | 14.688 |
| 10/9/2017 17:50 | 417000 | 72.94  | 17.953 | 166.253 | 29941.656 | 34598.539 | 21.916 | 23527.006 | 33.398 | 1.015 | 14.689 |
| 10/9/2017 17:55 | 417300 | 72.938 | 17.953 | 166.248 | 29970.867 | 34632.223 | 21.94  | 23549.914 | 33.366 | 1.015 | 14.686 |
| 10/9/2017 18:00 | 417600 | 72.916 | 17.953 | 166.199 | 29951.754 | 34610.539 | 21.925 | 23535.168 | 33.387 | 1.015 | 14.69  |
| 10/9/2017 18:05 | 417900 | 72.932 | 17.953 | 166.234 | 29960.717 | 34620.492 | 21.932 | 23541.938 | 33.377 | 1.015 | 14.687 |
| 10/9/2017 18:10 | 418200 | 72.918 | 17.953 | 166.203 | 29957.508 | 34616.918 | 21.929 | 23539.506 | 33.381 | 1.015 | 14.685 |
| 10/9/2017 18:15 | 418500 | 72.909 | 17.953 | 166.182 | 29967.93  | 34628.758 | 21.938 | 23547.557 | 33.369 | 1.015 | 14.682 |
| 10/9/2017 18:20 | 418800 | 72.908 | 17.953 | 166.181 | 29970.225 | 34631.754 | 21.94  | 23549.596 | 33.366 | 1.015 | 14.684 |
| 10/9/2017 18:25 | 419100 | 72.93  | 17.953 | 166.23  | 29961.873 | 34621.963 | 21.933 | 23542.934 | 33.376 | 1.015 | 14.685 |
| 10/9/2017 18:30 | 419400 | 72.919 | 17.953 | 166.204 | 29945.381 | 34602.77  | 21.919 | 23529.885 | 33.394 | 1.015 | 14.687 |
| 10/9/2017 18:35 | 419700 | 72.9   | 17.953 | 166.161 | 29968.914 | 34629.965 | 21.938 | 23548.379 | 33.368 | 1.015 | 14.687 |
| 10/9/2017 18:40 | 420000 | 72.895 | 17.953 | 166.15  | 29958.207 | 34617.395 | 21.93  | 23539.83  | 33.38  | 1.015 | 14.688 |
| 10/9/2017 18:45 | 420300 | 72.911 | 17.953 | 166.188 | 29943.086 | 34600.051 | 21.918 | 23528.035 | 33.397 | 1.015 | 14.688 |
| 10/9/2017 18:50 | 420600 | 72.89  | 17.953 | 166.14  | 29927.604 | 34582.43  | 21.905 | 23516.055 | 33.414 | 1.015 | 14.689 |
| 10/9/2017 18:55 | 420900 | 72.879 | 17.953 | 166.114 | 29916.115 | 34615.508 | 21.928 | 23538.545 | 33.382 | 1.015 | 14.69  |
| 10/9/2017 19:00 | 421200 | 72.882 | 17.953 | 166.121 | 29970.525 | 34632.102 | 21.94  | 23549.832 | 33.366 | 1.015 | 14.691 |
| 10/9/2017 19:05 | 421500 | 72.882 | 17.953 | 166.12  | 29954.996 | 34614.215 | 21.927 | 23537.666 | 33.383 | 1.015 | 14.69  |
| 10/9/2017 19:10 | 421800 | 72.883 | 17.952 | 166.123 | 29958.154 | 34618.137 | 21.93  | 23540.334 | 33.38  | 1.015 | 14.688 |
| 10/9/2017 19:15 | 422100 | 72.876 | 17.953 | 166.108 | 29971.719 | 34633.137 | 21.941 | 23550.535 | 33.365 | 1.015 | 14.687 |
| 10/9/2017 19:20 | 422400 | 72.875 | 17.953 | 166.105 | 29962.176 | 34622.313 | 21.933 | 23543.172 | 33.375 | 1.015 | 14.69  |
| 10/9/2017 19:25 | 422700 | 72.864 | 17.953 | 166.079 | 29962.584 | 34627.789 | 21.933 | 23543.488 | 33.375 | 1.015 | 14.693 |
| 10/9/2017 19:30 | 423000 | 72.863 | 17.953 | 166.077 | 29973.623 | 34635.605 | 21.942 | 23552.213 | 33.363 | 1.015 | 14.696 |
| 10/9/2017 19:35 | 423300 | 72.858 | 17.953 | 166.066 | 29959.354 | 34619.117 | 21.931 | 23541     | 33.379 | 1.015 | 14.695 |
| 10/9/2017 19:40 | 423600 | 72.879 | 17.953 | 166.114 | 29960.75  | 34620.73  | 21.932 | 23542.1   | 33.377 | 1.015 | 14.693 |
| 10/9/2017 19:45 | 423900 | 72.879 | 17.953 | 166.113 | 29965.41  | 34626.191 | 21.936 | 23545.813 | 33.372 | 1.015 | 14.692 |
| 10/9/2017 19:50 | 424200 | 72.856 | 17.953 | 166.061 | 29967.162 | 34628.141 | 21.937 | 23547.139 | 33.37  | 1.015 | 14.694 |
| 10/9/2017 19:55 | 424500 | 72.87  | 17.953 | 166.094 | 29969.084 | 34630.027 | 21.938 | 23548.42  | 33.368 | 1.015 | 14.692 |
| 10/9/2017 20:00 | 424800 | 72.848 | 17.953 | 166.042 | 29968.678 | 34629.762 | 21.938 | 23548.238 | 33.368 | 1.015 | 14.699 |
| 10/9/2017 20:05 | 425100 | 72.839 | 17.953 | 166.022 | 29963.967 | 34624.18  | 21.934 | 23544.445 | 33.373 | 1.015 | 14.7   |
| 10/9/2017 20:10 | 425400 | 72.842 | 17.953 | 166.029 | 29962.822 | 34622.996 | 21.934 | 23543.639 | 33.375 | 1.015 | 14.702 |
| 10/9/2017 20:15 | 425700 | 72.854 | 17.953 | 166.057 | 29971.232 | 34632.715 | 21.94  | 23550.248 | 33.365 | 1.015 | 14.703 |
| 10/9/2017 20:20 | 426000 | 72.839 | 17.953 | 166.022 | 29946.584 | 34604.027 | 21.92  | 23530.738 | 33.393 | 1.015 | 14.703 |
| 10/9/2017 20:25 | 426300 | 72.837 | 17.953 | 166.019 | 29972.387 | 34634.047 | 21.942 | 23551.152 | 33.364 | 1.015 | 14.702 |
| 10/9/2017 20:30 | 426600 | 72.835 | 17.953 | 166.015 | 29962.211 | 34623.707 | 21.934 | 23541.123 | 33.374 | 1.015 | 14.701 |
| 10/9/2017 20:35 | 426900 | 72.827 | 17.953 | 165.995 | 29960.76  | 34620.473 | 21.931 | 23541.924 | 33.377 | 1.015 | 14.702 |
| 10/9/2017 20:40 | 427200 | 72.849 | 17.953 | 166.046 | 29959.869 | 34619.711 | 21.931 | 23541.404 | 33.378 | 1.015 | 14.703 |
| 10/9/2017 20:45 | 427500 | 72.82  | 17.952 | 165.978 | 29961.275 | 34621.668 | 21.933 | 23542.736 | 33.376 | 1.015 | 14.703 |
| 10/9/2017 20:50 | 427800 | 72.82  | 17.953 | 165.978 | 29958.133 | 34619.309 | 21.93  | 23539.77  | 33.38  | 1.015 | 14.703 |
| 10/9/2017 20:55 | 428100 | 72.839 | 17.953 | 166.023 | 29968.228 | 34629.488 | 21.938 | 23548.055 | 33.369 | 1.015 | 14.702 |
| 10/9/2017 21:00 | 428400 | 72.815 | 17.953 | 165.968 | 29970.825 | 34632.109 | 21.94  | 23549.836 | 33.366 | 1.015 | 14.701 |
| 10/9/2017 21:05 | 428700 | 72.809 | 17.953 | 165.954 | 29964.086 | 34624.66  | 21.935 | 23544.771 | 33.373 | 1.015 | 14.701 |
| 10/9/2017 21:10 | 429000 | 72.811 | 17.952 | 165.96  | 29966.967 | 34628.188 | 21.937 | 23547.168 | 33.37  | 1.015 | 14.7   |
| 10/9/2017 21:15 | 429300 | 72.81  | 17.953 | 165.956 | 29952.188 | 34610.637 | 21.925 | 23535.234 | 33.387 | 1.015 | 14.7   |
| 10/9/2017 21:20 | 429600 | 72.811 | 17.953 | 165.959 | 29971.391 | 34632.898 | 21.94  | 23550.373 | 33.365 | 1.015 | 14.701 |
| 10/9/2017 21:25 | 429900 | 72.811 | 17.953 | 165.958 | 29962.883 | 34623.129 | 21.934 | 23543.73  | 33.375 | 1.015 | 14.701 |
| 10/9/2017 21:30 | 430200 | 72.826 | 17.953 | 165.992 | 29944.754 | 34602.557 | 21.919 | 23539.537 | 33.395 | 1.015 | 14.705 |
| 10/9/2017 21:35 | 430500 | 72.804 | 17.953 | 165.942 | 29956.916 | 34616.102 | 21.929 | 23538.949 | 33.381 | 1.015 | 14.702 |
| 10/9/2017 21:40 | 430800 | 72.82  | 17.953 | 165.98  | 29965.23  | 34625.781 | 21.935 | 23545.531 | 33.372 | 1.015 | 14.702 |
| 10/9/2017 21:45 | 431100 | 72.797 | 17.953 | 165.926 | 29951.535 | 34610.016 | 21.924 | 23534.811 | 33.387 | 1.015 | 14.702 |
| 10/9/2017 21:50 | 431400 | 72.819 | 17.953 | 165.977 | 29958.58  | 34618.223 | 21.93  | 23540.395 | 33.379 | 1.015 | 14.702 |
| 10/9/2017 21:55 | 431700 | 72.801 | 17.953 | 165.935 | 29937.207 | 34593.191 | 21.913 | 23523.373 | 33.403 | 1.015 | 14.702 |
| 10/9/2017 22:00 | 432000 | 72.803 | 17.953 | 165.937 | 29957.854 | 34617.254 | 21.93  | 23542.374 | 33.38  | 1.015 | 14.703 |
| 10/9/2017 22:05 | 432300 | 72.816 | 17.953 | 165.97  | 29964.535 | 34625.309 | 21.935 | 23545.211 | 33.373 | 1.015 | 14.702 |
| 10/9/2017 22:10 | 432600 | 72.819 | 17.953 | 165.978 | 29948.248 | 34606.156 | 21.922 | 23532.186 | 33.391 | 1.015 | 14.701 |
| 10/9/2017 22:15 | 432900 | 72.802 | 17.953 | 165.939 | 29963.426 | 34623.555 | 21.934 | 23544.018 | 33.374 | 1.015 | 14.699 |
| 10/9/2017 22:20 | 433200 | 72.798 | 17.953 | 165.929 | 29965.666 | 34626.547 | 21.936 | 23546.053 | 33.372 | 1.015 | 14.702 |
| 10/9/2017 22:25 | 433500 | 72.792 | 17.953 | 165.915 | 29952.156 | 34610.801 | 21.925 | 23535.348 | 33.387 | 1.015 | 14.704 |
| 10/9/2017 22:30 | 433800 | 72.798 | 17.953 | 165.907 | 29955.184 | 34614.137 | 21.927 | 23542.615 | 33.383 | 1.015 | 14.703 |
| 10/9/2017 22:35 | 434100 | 72.812 | 17.953 | 165.962 | 29974.809 | 34636.707 | 21.943 | 23552.961 | 33.361 |       |        |

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|------------------|--------|--------|-------|---------|-----------|-----------|--------|-----------|--------|-------|--------|
| 10/10/2017 9:30  | 473400 | 72302  | 17953 | 166.166 | 29979.275 | 34642.137 | 21.947 | 23556.654 | 33.356 | 1.015 | 14.7   |
| 10/10/2017 9:35  | 473700 | 72877  | 17953 | 166.11  | 29963.785 | 34624.109 | 21.934 | 23544.395 | 33.374 | 1.015 | 14.7   |
| 10/10/2017 9:40  | 474000 | 72902  | 17953 | 166.166 | 29955.605 | 34614.516 | 21.928 | 23537.873 | 33.383 | 1.015 | 14.699 |
| 10/10/2017 9:45  | 474300 | 72883  | 17953 | 166.123 | 29963.945 | 34624.293 | 21.934 | 23544.521 | 33.373 | 1.015 | 14.699 |
| 10/10/2017 9:50  | 474600 | 72908  | 17953 | 166.179 | 29951.145 | 34609.43  | 21.924 | 23534.412 | 33.388 | 1.015 | 14.697 |
| 10/10/2017 9:55  | 474900 | 72907  | 17953 | 166.178 | 29958.904 | 34618.266 | 21.93  | 23540.42  | 33.379 | 1.015 | 14.695 |
| 10/10/2017 10:00 | 475200 | 72913  | 17953 | 166.19  | 29956.615 | 34627.441 | 21.937 | 23546.62  | 33.37  | 1.015 | 14.696 |
| 10/10/2017 10:05 | 475500 | 72904  | 17953 | 166.172 | 29957.154 | 34616.445 | 21.929 | 23539.184 | 33.381 | 1.015 | 14.694 |
| 10/10/2017 10:10 | 475800 | 72894  | 17952 | 166.147 | 29964.875 | 34625.77  | 21.935 | 23545.525 | 33.372 | 1.015 | 14.696 |
| 10/10/2017 10:15 | 476100 | 72885  | 17953 | 166.127 | 29968.82  | 34630.191 | 21.939 | 23548.533 | 33.368 | 1.015 | 14.697 |
| 10/10/2017 10:20 | 476400 | 72905  | 17953 | 166.174 | 29970.041 | 34631.34  | 21.939 | 23549.313 | 33.367 | 1.015 | 14.697 |
| 10/10/2017 10:25 | 476700 | 72.89  | 17953 | 166.14  | 29964.488 | 34625.125 | 21.935 | 23545.088 | 33.373 | 1.015 | 14.696 |
| 10/10/2017 10:30 | 477000 | 72.91  | 17953 | 166.183 | 29955.104 | 34614.207 | 21.927 | 23537.66  | 33.365 | 1.015 | 14.696 |
| 10/10/2017 10:35 | 477300 | 72912  | 17953 | 166.189 | 29966.816 | 34627.875 | 21.937 | 23546.957 | 33.37  | 1.015 | 14.696 |
| 10/10/2017 10:40 | 477600 | 72894  | 17953 | 166.148 | 29967.045 | 34627.875 | 21.937 | 23546.957 | 33.37  | 1.015 | 14.699 |
| 10/10/2017 10:45 | 477900 | 72905  | 17953 | 166.172 | 29952.197 | 34610.719 | 21.925 | 23535.289 | 33.387 | 1.015 | 14.7   |
| 10/10/2017 10:50 | 478200 | 72895  | 17953 | 166.149 | 29983.59  | 34646.852 | 21.95  | 23559.859 | 33.352 | 1.015 | 14.698 |
| 10/10/2017 10:55 | 478500 | 72919  | 17952 | 166.205 | 29962.869 | 34623.453 | 21.934 | 23543.951 | 33.375 | 1.015 | 14.696 |
| 10/10/2017 11:00 | 478800 | 72921  | 17953 | 166.21  | 29957.188 | 34616.484 | 21.929 | 23539.209 | 33.381 | 1.015 | 14.694 |
| 10/10/2017 11:05 | 479100 | 72899  | 17953 | 166.16  | 29970.037 | 34631.461 | 21.939 | 23549.396 | 33.367 | 1.015 | 14.696 |
| 10/10/2017 11:10 | 479400 | 72922  | 17953 | 166.211 | 29954.393 | 34613.184 | 21.927 | 23536.967 | 33.384 | 1.015 | 14.697 |
| 10/10/2017 11:15 | 479700 | 72902  | 17953 | 166.165 | 29957.801 | 34617.195 | 21.929 | 23539.693 | 33.38  | 1.015 | 14.699 |
| 10/10/2017 11:20 | 480000 | 72907  | 17953 | 166.178 | 29973.182 | 34635.027 | 21.942 | 23551.818 | 33.363 | 1.015 | 14.698 |
| 10/10/2017 11:25 | 480300 | 72905  | 17953 | 166.173 | 29953.438 | 34612.484 | 21.926 | 23546.492 | 33.385 | 1.015 | 14.698 |
| 10/10/2017 11:30 | 480600 | 72905  | 17953 | 166.174 | 29971.67  | 34623.348 | 21.941 | 23550.876 | 33.365 | 1.015 | 14.696 |
| 10/10/2017 11:35 | 480900 | 72931  | 17953 | 166.231 | 29959.111 | 34618.707 | 21.931 | 23540.723 | 33.379 | 1.015 | 14.698 |
| 10/10/2017 11:40 | 481200 | 72929  | 17953 | 166.227 | 29965.816 | 34626.52  | 21.936 | 23546.033 | 33.371 | 1.015 | 14.699 |
| 10/10/2017 11:45 | 481500 | 72928  | 17953 | 166.226 | 29966.516 | 34627.527 | 21.937 | 23546.721 | 33.371 | 1.015 | 14.699 |
| 10/10/2017 11:50 | 481800 | 72917  | 17953 | 166.2   | 29960.768 | 34620.824 | 21.932 | 23542.162 | 33.377 | 1.015 | 14.698 |
| 10/10/2017 11:55 | 482100 | 72914  | 17953 | 166.194 | 29964.461 | 34624.953 | 21.935 | 23544.969 | 33.373 | 1.015 | 14.698 |
| 10/10/2017 12:00 | 482400 | 72923  | 17953 | 166.214 | 29953.932 | 34612.652 | 21.926 | 23536.604 | 33.385 | 1.015 | 14.698 |
| 10/10/2017 12:05 | 482700 | 72.92  | 17953 | 166.206 | 29944.68  | 34602.234 | 21.919 | 23529.52  | 33.395 | 1.015 | 14.697 |
| 10/10/2017 12:10 | 483000 | 72917  | 17952 | 166.201 | 29962.477 | 34623.133 | 21.934 | 23543.732 | 33.375 | 1.015 | 14.697 |
| 10/10/2017 12:15 | 483300 | 72944  | 17953 | 166.262 | 29960.975 | 34620.789 | 21.932 | 23542.137 | 33.377 | 1.015 | 14.697 |
| 10/10/2017 12:20 | 483600 | 72942  | 17953 | 166.257 | 29962.371 | 34622.477 | 21.933 | 23543.285 | 33.375 | 1.015 | 14.698 |
| 10/10/2017 12:25 | 483900 | 72923  | 17953 | 166.214 | 29961.391 | 34621.402 | 21.932 | 23542.555 | 33.376 | 1.015 | 14.699 |
| 10/10/2017 12:30 | 484200 | 72944  | 17953 | 166.261 | 29992.09  | 34656.609 | 21.957 | 23546.496 | 33.342 | 1.015 | 14.7   |
| 10/10/2017 12:35 | 484500 | 72931  | 17953 | 166.233 | 29961.242 | 34621.504 | 21.932 | 23542.623 | 33.376 | 1.015 | 14.697 |
| 10/10/2017 12:40 | 484800 | 72934  | 17953 | 166.239 | 29955.029 | 34614.055 | 21.927 | 23537.557 | 33.383 | 1.015 | 14.695 |
| 10/10/2017 12:45 | 485100 | 72954  | 17953 | 166.284 | 29973.426 | 34635.582 | 21.942 | 23552.197 | 33.363 | 1.015 | 14.692 |
| 10/10/2017 12:50 | 485400 | 72959  | 17953 | 166.296 | 29963.045 | 34623.383 | 21.934 | 23543.902 | 33.374 | 1.015 | 14.693 |
| 10/10/2017 12:55 | 485700 | 72938  | 17953 | 166.249 | 29969.445 | 34630.852 | 21.939 | 23548.979 | 33.367 | 1.015 | 14.693 |
| 10/10/2017 13:00 | 486000 | 72.94  | 17953 | 166.252 | 29972.395 | 34634.121 | 21.941 | 23551.265 | 33.364 | 1.015 | 14.694 |
| 10/10/2017 13:05 | 486300 | 72943  | 17953 | 166.26  | 29978.318 | 34640.762 | 21.946 | 23555.719 | 33.357 | 1.015 | 14.695 |
| 10/10/2017 13:10 | 486600 | 72944  | 17953 | 166.263 | 29978.105 | 34640.988 | 21.946 | 23555.873 | 33.358 | 1.015 | 14.696 |
| 10/10/2017 13:15 | 486900 | 72946  | 17953 | 166.267 | 29976.928 | 34639.559 | 21.945 | 23554.9   | 33.359 | 1.015 | 14.697 |
| 10/10/2017 13:20 | 487200 | 72948  | 17953 | 166.272 | 29953.932 | 34613.055 | 21.927 | 23536.879 | 33.385 | 1.015 | 14.694 |
| 10/10/2017 13:25 | 487500 | 72972  | 17953 | 166.325 | 29953.49  | 34612.477 | 21.926 | 23536.486 | 33.385 | 1.015 | 14.692 |
| 10/10/2017 13:30 | 487800 | 72952  | 17953 | 166.281 | 29974.98  | 34626.219 | 21.943 | 23552.629 | 33.362 | 1.015 | 14.69  |
| 10/10/2017 13:35 | 488100 | 72957  | 17953 | 166.291 | 29953.715 | 34612.27  | 21.926 | 23536.344 | 33.385 | 1.015 | 14.689 |
| 10/10/2017 13:40 | 488400 | 72959  | 17953 | 166.297 | 29967.58  | 34628.625 | 21.937 | 23547.467 | 33.369 | 1.015 | 14.687 |
| 10/10/2017 13:45 | 488700 | 72964  | 17953 | 166.307 | 29974.072 | 34635.996 | 21.943 | 23552.479 | 33.362 | 1.015 | 14.686 |
| 10/10/2017 13:50 | 489000 | 72961  | 17953 | 166.301 | 29964.037 | 34624.195 | 21.934 | 23544.455 | 33.373 | 1.015 | 14.688 |
| 10/10/2017 13:55 | 489300 | 72961  | 17953 | 166.3   | 29977.016 | 34639.461 | 21.945 | 23554.834 | 33.359 | 1.015 | 14.69  |
| 10/10/2017 14:00 | 489600 | 72964  | 17953 | 166.307 | 29959.684 | 34619.164 | 21.931 | 23541.033 | 33.378 | 1.015 | 14.692 |
| 10/10/2017 14:05 | 489900 | 72964  | 17953 | 166.307 | 29960.76  | 34620.613 | 21.932 | 23542.02  | 33.377 | 1.015 | 14.691 |
| 10/10/2017 14:10 | 490200 | 72964  | 17953 | 166.306 | 29960.795 | 34620.781 | 21.932 | 23542.131 | 33.377 | 1.015 | 14.689 |
| 10/10/2017 14:15 | 490500 | 72987  | 17953 | 166.359 | 29973.588 | 34635.094 | 21.942 | 23551.865 | 33.363 | 1.015 | 14.688 |
| 10/10/2017 14:20 | 490800 | 72985  | 17953 | 166.356 | 29960.711 | 34620.82  | 21.932 | 23542.16  | 33.377 | 1.015 | 14.687 |
| 10/10/2017 14:25 | 491100 | 72989  | 17953 | 166.365 | 29956.217 | 34615.492 | 21.928 | 23538.535 | 33.382 | 1.015 | 14.686 |
| 10/10/2017 14:30 | 491400 | 72977  | 17953 | 166.338 | 29966.879 | 34627.813 | 21.937 | 23546.914 | 33.37  | 1.015 | 14.685 |
| 10/10/2017 14:35 | 491700 | 72.98  | 17953 | 166.345 | 29970.517 | 34632.066 | 21.94  | 23549.807 | 33.366 | 1.015 | 14.687 |
| 10/10/2017 14:40 | 492000 | 72999  | 17954 | 166.386 | 29983.117 | 34645.91  | 21.95  | 23559.219 | 33.352 | 1.015 | 14.686 |
| 10/10/2017 14:45 | 492300 | 72982  | 17953 | 166.348 | 29957.572 | 34616.727 | 21.929 | 23539.375 | 33.381 | 1.015 | 14.686 |
| 10/10/2017 14:50 | 492600 | 72997  | 17953 | 166.382 | 29966.256 | 34627.094 | 21.936 | 23546.426 | 33.371 | 1.015 | 14.686 |
| 10/10/2017 14:55 | 492900 | 72981  | 17953 | 166.346 | 29976.289 | 34638.621 | 21.944 | 23554.262 | 33.36  | 1.015 | 14.687 |
| 10/10/2017 15:00 | 493200 | 72.98  | 17953 | 166.345 | 29955.152 | 34614.195 | 21.927 | 23537.652 | 33.383 | 1.015 | 14.687 |
| 10/10/2017 15:05 | 493500 | 73.004 | 17953 | 166.399 | 29959.254 | 34611.699 | 21.926 | 23535.947 | 33.386 | 1.015 | 14.688 |
| 10/10/2017 15:10 | 493800 | 72987  | 17953 | 166.361 | 29985.475 | 34649.434 | 21.952 | 23561.617 | 33.349 | 1.015 | 14.684 |
| 10/10/2017 15:15 | 494100 | 72991  | 17953 | 166.369 | 29951.889 | 34610.02  | 21.924 | 23534.814 | 33.387 | 1.015 | 14.682 |
| 10/10/2017 15:20 | 494400 | 72991  | 17952 | 166.37  | 29955.684 | 34615.207 | 21.928 | 23538.344 | 33.383 | 1.015 | 14.683 |
| 10/10/2017 15:25 | 494700 | 72986  | 17953 | 166.357 | 29940.32  | 34597.324 | 21.916 | 23526.182 | 33.4   | 1.015 | 14.684 |
| 10/10/2017 15:30 | 495000 | 72989  | 17953 | 166.364 | 29963.84  | 34624.172 | 21.934 | 23544.439 | 33.374 | 1.015 | 14.685 |
| 10/10/2017 15:35 | 495300 | 72985  | 17953 | 166.356 | 29964.641 | 34625.16  | 21.935 | 23545.111 | 33.373 | 1.015 | 14.687 |
| 10/10/2017 15:40 | 495600 | 73.004 | 17953 | 166.399 | 29961.67  | 34621.727 | 21.933 | 23542.773 | 33.376 | 1.015 | 14.689 |
| 10/10/2017 15:45 | 495900 | 72984  | 17952 | 166.352 | 29963.082 | 34623.699 | 21.934 | 23544.117 | 33.374 | 1.015 | 14.691 |
| 10/10/2017 15:50 | 496200 | 72991  | 17953 | 166.368 | 29959.043 | 34618.359 | 21.93  | 23540.486 | 33.379 | 1.015 | 14.688 |
| 10/10/2017 15:55 | 496500 | 72987  | 17952 | 166.359 | 29968.016 | 34629.457 | 21.938 | 23548.033 | 33.369 | 1.015 | 14.685 |
| 10/10/2017 16:00 | 496800 | 72991  | 17953 | 166.37  | 29973.338 | 34634.941 | 21.942 | 23551.762 | 33.363 | 1.015 | 14.683 |
| 10/10/2017 16:05 | 497100 | 72992  | 17953 | 166.371 | 29968.789 | 34629.789 | 21.938 | 23548.258 | 33.368 | 1.015 | 14.684 |
| 10/10/2017 16:10 | 497400 | 72.99  | 17953 | 166.368 | 29955.779 | 34614.785 | 21.928 | 23538.055 | 33.383 | 1.015 | 14.686 |
| 10/10/2017 16:15 | 497700 |        |       |         |           |           |        |           |        |       |        |

|                 |        |        |       |         |           |           |        |           |        |       |        |
|-----------------|--------|--------|-------|---------|-----------|-----------|--------|-----------|--------|-------|--------|
| 10/11/2017 3:05 | 536700 | 72.845 | 17953 | 166.037 | 29963.611 | 34623.969 | 21.934 | 23544.301 | 33.374 | 1.015 | 14.69  |
| 10/11/2017 3:10 | 537000 | 72.852 | 17953 | 166.052 | 29950.627 | 34609.105 | 21.924 | 23534.193 | 33.388 | 1.015 | 14.69  |
| 10/11/2017 3:15 | 537300 | 72.852 | 17953 | 166.052 | 29976.58  | 34638.895 | 21.945 | 23554.451 | 33.359 | 1.015 | 14.689 |
| 10/11/2017 3:20 | 537600 | 72.865 | 17953 | 166.081 | 29981.283 | 34644.531 | 21.949 | 23558.283 | 33.354 | 1.015 | 14.691 |
| 10/11/2017 3:25 | 537900 | 72.843 | 17953 | 166.033 | 29964.111 | 34624.613 | 21.935 | 23544.736 | 33.373 | 1.015 | 14.693 |
| 10/11/2017 3:30 | 538200 | 72.848 | 17953 | 166.044 | 29983.277 | 34646.836 | 21.95  | 23559.852 | 33.352 | 1.015 | 14.695 |
| 10/11/2017 3:35 | 538500 | 72.871 | 17953 | 166.097 | 29980.565 | 34641.5   | 21.948 | 23557.58  | 33.355 | 1.015 | 14.692 |
| 10/11/2017 3:40 | 538800 | 72.862 | 17953 | 166.076 | 29949.758 | 34607.961 | 21.923 | 23533.414 | 33.389 | 1.015 | 14.688 |
| 10/11/2017 3:45 | 539100 | 72.866 | 17953 | 166.084 | 29963.168 | 34623.191 | 21.934 | 23543.77  | 33.374 | 1.015 | 14.684 |
| 10/11/2017 3:50 | 539400 | 72.864 | 17953 | 166.079 | 29972.531 | 34634.477 | 21.942 | 23551.445 | 33.364 | 1.015 | 14.686 |
| 10/11/2017 3:55 | 539700 | 72.865 | 17953 | 166.082 | 29971.379 | 34632.883 | 21.94  | 23550.361 | 33.365 | 1.015 | 14.688 |
| 10/11/2017 4:00 | 540000 | 72.885 | 17953 | 166.127 | 29971.379 | 34632.813 | 21.94  | 23550.314 | 33.365 | 1.015 | 14.69  |
| 10/11/2017 4:05 | 540300 | 72.868 | 17953 | 166.089 | 29956.257 | 34627.804 | 21.937 | 23546.92  | 33.37  | 1.015 | 14.69  |
| 10/11/2017 4:10 | 540600 | 72.869 | 17953 | 166.091 | 29965.225 | 34625.566 | 21.935 | 23545.385 | 33.372 | 1.015 | 14.689 |
| 10/11/2017 4:15 | 540900 | 72.872 | 17953 | 166.097 | 29973.58  | 34635.758 | 21.942 | 23552.316 | 33.363 | 1.015 | 14.688 |
| 10/11/2017 4:20 | 541200 | 72.869 | 17953 | 166.092 | 29945.832 | 34603.426 | 21.92  | 23530.33  | 33.394 | 1.015 | 14.69  |
| 10/11/2017 4:25 | 541500 | 72.869 | 17953 | 166.091 | 29964.355 | 34624.77  | 21.935 | 23544.846 | 33.373 | 1.015 | 14.691 |
| 10/11/2017 4:30 | 541800 | 72.871 | 17953 | 166.096 | 29959.596 | 34619.129 | 21.931 | 23541.008 | 33.378 | 1.015 | 14.692 |
| 10/11/2017 4:35 | 542100 | 72.87  | 17953 | 166.093 | 29959.715 | 34619.535 | 21.931 | 23541.285 | 33.378 | 1.015 | 14.69  |
| 10/11/2017 4:40 | 542400 | 72.877 | 17953 | 166.109 | 29952.406 | 34611.164 | 21.925 | 23535.594 | 33.386 | 1.015 | 14.689 |
| 10/11/2017 4:45 | 542700 | 72.877 | 17953 | 166.109 | 29954.848 | 34613.91  | 21.927 | 23537.461 | 33.384 | 1.015 | 14.687 |
| 10/11/2017 4:50 | 543000 | 72.879 | 17953 | 166.113 | 29954.934 | 34614.008 | 21.927 | 23537.527 | 33.383 | 1.015 | 14.687 |
| 10/11/2017 4:55 | 543300 | 72.883 | 17953 | 166.123 | 29970.912 | 34632.473 | 21.94  | 23550.084 | 33.366 | 1.015 | 14.686 |
| 10/11/2017 5:00 | 543600 | 72.883 | 17953 | 166.124 | 29958.295 | 34617.766 | 21.93  | 23540.08  | 33.38  | 1.015 | 14.686 |
| 10/11/2017 5:05 | 543900 | 72.907 | 17953 | 166.177 | 29980.863 | 34644.012 | 21.948 | 23557.928 | 33.355 | 1.015 | 14.685 |
| 10/11/2017 5:10 | 544200 | 72.907 | 17953 | 166.178 | 29955.244 | 34614.168 | 21.927 | 23537.637 | 33.383 | 1.015 | 14.686 |
| 10/11/2017 5:15 | 544500 | 72.893 | 17953 | 166.145 | 29971.418 | 34632.992 | 21.941 | 23550.436 | 33.365 | 1.015 | 14.687 |
| 10/11/2017 5:20 | 544800 | 72.892 | 17953 | 166.143 | 29945.111 | 34602.531 | 21.919 | 23529.723 | 33.394 | 1.015 | 14.687 |
| 10/11/2017 5:25 | 545100 | 72.892 | 17952 | 166.143 | 29968.701 | 34630.25  | 21.939 | 23548.57  | 33.368 | 1.015 | 14.687 |
| 10/11/2017 5:30 | 545400 | 72.893 | 17953 | 166.146 | 29959.326 | 34618.957 | 21.931 | 23540.893 | 33.379 | 1.015 | 14.687 |
| 10/11/2017 5:35 | 545700 | 72.895 | 17953 | 166.15  | 29958.203 | 34617.789 | 21.93  | 23540.098 | 33.38  | 1.015 | 14.688 |
| 10/11/2017 5:40 | 546000 | 72.894 | 17953 | 166.148 | 29969.057 | 34630.129 | 21.939 | 23548.488 | 33.368 | 1.015 | 14.689 |
| 10/11/2017 5:45 | 546300 | 72.894 | 17953 | 166.147 | 29971.744 | 34633.508 | 21.941 | 23550.787 | 33.365 | 1.015 | 14.691 |
| 10/11/2017 5:50 | 546600 | 72.895 | 17953 | 166.15  | 29978.584 | 34641.543 | 21.946 | 23556.252 | 33.357 | 1.015 | 14.692 |
| 10/11/2017 5:55 | 546900 | 72.895 | 17953 | 166.15  | 29966.918 | 34627.859 | 21.937 | 23546.945 | 33.37  | 1.015 | 14.693 |
| 10/11/2017 6:00 | 547200 | 72.918 | 17953 | 166.202 | 29956.854 | 34616.301 | 21.929 | 23539.086 | 33.381 | 1.015 | 14.694 |
| 10/11/2017 6:05 | 547500 | 72.917 | 17953 | 166.201 | 29964.418 | 34625.102 | 21.935 | 23545.068 | 33.373 | 1.015 | 14.69  |
| 10/11/2017 6:10 | 547800 | 72.902 | 17953 | 166.166 | 29975.871 | 34638.137 | 21.944 | 23553.934 | 33.36  | 1.015 | 14.693 |
| 10/11/2017 6:15 | 548100 | 72.902 | 17953 | 166.166 | 29985.684 | 34649.676 | 21.952 | 23561.781 | 33.349 | 1.015 | 14.692 |
| 10/11/2017 6:20 | 548400 | 72.92  | 17953 | 166.208 | 29962.105 | 34622.43  | 21.933 | 23543.254 | 33.375 | 1.015 | 14.693 |
| 10/11/2017 6:25 | 548700 | 72.92  | 17953 | 166.208 | 29959.639 | 34619.246 | 21.931 | 23541.088 | 33.378 | 1.015 | 14.694 |
| 10/11/2017 6:30 | 549000 | 72.897 | 17952 | 166.155 | 29969.73  | 34631.641 | 21.94  | 23549.518 | 33.367 | 1.015 | 14.695 |
| 10/11/2017 6:35 | 549300 | 72.902 | 17953 | 166.162 | 29959.898 | 34619.414 | 21.931 | 23541.263 | 33.378 | 1.015 | 14.693 |
| 10/11/2017 6:40 | 549600 | 72.903 | 17953 | 166.169 | 29952.32  | 34611.063 | 21.925 | 23535.523 | 33.386 | 1.015 | 14.695 |
| 10/11/2017 6:45 | 549900 | 72.898 | 17953 | 166.157 | 29956.324 | 34615.418 | 21.928 | 23538.484 | 33.382 | 1.015 | 14.695 |
| 10/11/2017 6:50 | 550200 | 72.901 | 17953 | 166.164 | 29959.584 | 34619.316 | 21.931 | 23541.137 | 33.378 | 1.015 | 14.695 |
| 10/11/2017 6:55 | 550500 | 72.918 | 17953 | 166.203 | 29983.568 | 34647.172 | 21.95  | 23560.078 | 33.352 | 1.015 | 14.695 |
| 10/11/2017 7:00 | 550800 | 72.908 | 17953 | 166.18  | 29964.518 | 34624.816 | 21.935 | 23544.877 | 33.373 | 1.015 | 14.695 |
| 10/11/2017 7:05 | 551100 | 72.899 | 17953 | 166.159 | 29980.463 | 34643.441 | 21.948 | 23557.541 | 33.365 | 1.015 | 14.695 |
| 10/11/2017 7:10 | 551400 | 72.919 | 17953 | 166.205 | 29967.096 | 34628.137 | 21.937 | 23547.135 | 33.37  | 1.015 | 14.698 |
| 10/11/2017 7:15 | 551700 | 72.897 | 17953 | 166.155 | 29968.182 | 34629.117 | 21.938 | 23547.803 | 33.369 | 1.015 | 14.7   |
| 10/11/2017 7:20 | 552000 | 72.917 | 17953 | 166.199 | 29936.207 | 34592.371 | 21.912 | 23522.814 | 33.404 | 1.015 | 14.701 |
| 10/11/2017 7:25 | 552300 | 72.894 | 17953 | 166.147 | 29969.605 | 34630.566 | 21.939 | 23548.787 | 33.367 | 1.015 | 14.701 |
| 10/11/2017 7:30 | 552600 | 72.897 | 17953 | 166.156 | 29964.768 | 34625.172 | 21.935 | 23545.119 | 33.373 | 1.015 | 14.702 |
| 10/11/2017 7:35 | 552900 | 72.899 | 17953 | 166.159 | 29971.746 | 34633.512 | 21.941 | 23550.791 | 33.365 | 1.015 | 14.701 |
| 10/11/2017 7:40 | 553200 | 72.901 | 17953 | 166.163 | 29968.039 | 34628.039 | 21.937 | 23547.069 | 33.37  | 1.015 | 14.701 |
| 10/11/2017 7:45 | 553500 | 72.901 | 17953 | 166.164 | 29957.85  | 34617.313 | 21.93  | 23539.773 | 33.38  | 1.015 | 14.701 |
| 10/11/2017 7:50 | 553800 | 72.922 | 17953 | 166.211 | 29954.311 | 34613.223 | 21.927 | 23536.992 | 33.384 | 1.015 | 14.701 |
| 10/11/2017 7:55 | 554100 | 72.922 | 17953 | 166.212 | 29957.453 | 34616.586 | 21.929 | 23539.279 | 33.381 | 1.015 | 14.702 |
| 10/11/2017 8:00 | 554400 | 72.899 | 17953 | 166.16  | 29967.18  | 34628.16  | 21.937 | 23547.15  | 33.37  | 1.015 | 14.702 |
| 10/11/2017 8:05 | 554700 | 72.898 | 17952 | 166.158 | 29958.592 | 34618.508 | 21.93  | 23540.586 | 33.379 | 1.015 | 14.705 |
| 10/11/2017 8:10 | 555000 | 72.894 | 17953 | 166.147 | 29964.295 | 34624.813 | 21.935 | 23544.875 | 33.373 | 1.015 | 14.705 |
| 10/11/2017 8:15 | 555300 | 72.914 | 17953 | 166.194 | 29984.098 | 34647.844 | 21.951 | 23560.533 | 33.351 | 1.015 | 14.711 |
| 10/11/2017 8:20 | 555600 | 72.891 | 17953 | 166.142 | 29962.619 | 34623.023 | 21.934 | 23543.658 | 33.375 | 1.015 | 14.712 |
| 10/11/2017 8:25 | 555900 | 72.912 | 17953 | 166.188 | 29963.959 | 34624.309 | 21.934 | 23544.531 | 33.373 | 1.015 | 14.713 |
| 10/11/2017 8:30 | 556200 | 72.894 | 17953 | 166.147 | 29974.014 | 34635.855 | 21.943 | 23552.383 | 33.362 | 1.015 | 14.715 |
| 10/11/2017 8:35 | 556500 | 72.91  | 17953 | 166.184 | 29989.426 | 34653.941 | 21.955 | 23564.68  | 33.345 | 1.015 | 14.714 |
| 10/11/2017 8:40 | 556800 | 72.895 | 17953 | 166.149 | 29952.531 | 34622.531 | 21.933 | 23543.324 | 33.375 | 1.015 | 14.715 |
| 10/11/2017 8:45 | 557100 | 72.91  | 17953 | 166.185 | 29979.215 | 34641.938 | 21.947 | 23556.52  | 33.356 | 1.015 | 14.712 |
| 10/11/2017 8:50 | 557400 | 72.896 | 17953 | 166.153 | 29958.92  | 34618.617 | 21.921 | 23540.66  | 33.379 | 1.015 | 14.713 |
| 10/11/2017 8:55 | 557700 | 72.911 | 17953 | 166.187 | 29946.707 | 34604.438 | 21.921 | 23531.02  | 33.393 | 1.015 | 14.714 |
| 10/11/2017 9:00 | 558000 | 72.895 | 17953 | 166.151 | 29945.703 | 34603.277 | 21.92  | 23530.23  | 33.394 | 1.015 | 14.714 |
| 10/11/2017 9:05 | 558300 | 72.914 | 17953 | 166.192 | 29961.467 | 34621.43  | 21.932 | 23542.574 | 33.376 | 1.015 | 14.715 |
| 10/11/2017 9:10 | 558600 | 72.898 | 17953 | 166.157 | 29960.828 | 34625.157 | 21.932 | 23542.209 | 33.377 | 1.015 | 14.717 |
| 10/11/2017 9:15 | 558900 | 72.896 | 17953 | 166.152 | 29936.029 | 34592.238 | 21.912 | 23522.725 | 33.405 | 1.015 | 14.718 |
| 10/11/2017 9:20 | 559200 | 72.915 | 17953 | 166.196 | 29971.014 | 34612.391 | 21.94  | 23550.025 | 33.366 | 1.015 | 14.721 |
| 10/11/2017 9:25 | 559500 | 72.893 | 17953 | 166.146 | 29965.699 | 34626.449 | 21.936 | 23545.988 | 33.371 | 1.015 | 14.724 |
| 10/11/2017 9:30 | 559800 | 72.888 | 17953 | 166.134 | 29956.117 | 34615.578 | 21.928 | 23538.596 | 33.382 | 1.015 | 14.727 |
| 10/11/2017 9:35 | 560100 | 72.906 | 17953 | 166.174 | 29965.184 | 34625.988 | 21.936 | 23545.674 | 33.372 | 1.015 | 14.727 |
| 10/11/2017 9:40 | 560400 | 72.904 | 17953 | 166.17  | 29954.325 | 34613.285 | 21.927 | 23543.025 | 33.384 | 1.015 | 14.727 |
| 10/11/2017 9:45 | 560700 | 72.909 | 17953 | 166.183 | 29962.686 | 34622.699 | 21.933 | 23543.436 | 33.375 | 1.015 | 14.727 |
| 10/11/2017 9:50 | 561000 |        |       |         |           |           |        |           |        |       |        |

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|------------------|--------|--------|--------|---------|-----------|-----------|--------|-----------|--------|-------|--------|
| 10/11/2017 20:40 | 600000 | 72.945 | 17.953 | 166.264 | 29967.162 | 34628.215 | 21.937 | 23547.186 | 33.37  | 1.015 | 14.718 |
| 10/11/2017 20:45 | 600300 | 72.947 | 17.953 | 166.268 | 29949.771 | 34607.977 | 21.923 | 23533.424 | 33.389 | 1.015 | 14.719 |
| 10/11/2017 20:50 | 600600 | 72.967 | 17.953 | 166.314 | 29947.297 | 34604.984 | 21.921 | 23531.389 | 33.392 | 1.015 | 14.72  |
| 10/11/2017 20:55 | 600900 | 72.942 | 17.953 | 166.258 | 29963.705 | 34624.145 | 21.934 | 23544.418 | 33.374 | 1.015 | 14.721 |
| 10/11/2017 21:00 | 601200 | 72.945 | 17.952 | 166.265 | 29983.078 | 34646.938 | 21.95  | 23559.92  | 33.352 | 1.015 | 14.722 |
| 10/11/2017 21:05 | 601500 | 72.964 | 17.953 | 166.307 | 29984.41  | 34648.203 | 21.951 | 23560.779 | 33.351 | 1.015 | 14.723 |
| 10/11/2017 21:10 | 601800 | 72.944 | 17.953 | 166.261 | 29998.664 | 34664.414 | 21.962 | 23571.805 | 33.335 | 1.015 | 14.724 |
| 10/11/2017 21:15 | 602100 | 72.961 | 17.953 | 166.3   | 29995.527 | 34660.918 | 21.96  | 23569.426 | 33.338 | 1.015 | 14.725 |
| 10/11/2017 21:20 | 602400 | 72.939 | 17.953 | 166.25  | 29982.756 | 34645.957 | 21.95  | 23559.254 | 33.353 | 1.015 | 14.725 |
| 10/11/2017 21:25 | 602700 | 72.94  | 17.953 | 166.252 | 29967.668 | 34628.859 | 21.938 | 23547.627 | 33.369 | 1.015 | 14.725 |
| 10/11/2017 21:30 | 603000 | 72.958 | 17.953 | 166.293 | 29984.682 | 34648.383 | 21.951 | 23560.902 | 33.35  | 1.015 | 14.725 |
| 10/11/2017 21:35 | 603300 | 72.938 | 17.952 | 166.248 | 29983.959 | 34647.82  | 21.951 | 23560.518 | 33.351 | 1.015 | 14.727 |
| 10/11/2017 21:40 | 603600 | 72.934 | 17.953 | 166.238 | 29967.893 | 34638.855 | 21.938 | 23547.623 | 33.369 | 1.015 | 14.729 |
| 10/11/2017 21:45 | 603900 | 72.929 | 17.953 | 166.229 | 29975.6   | 34638.023 | 21.944 | 23553.855 | 33.36  | 1.015 | 14.73  |
| 10/11/2017 21:50 | 604200 | 72.929 | 17.953 | 166.228 | 29989.537 | 34654.129 | 21.955 | 23564.811 | 33.345 | 1.015 | 14.732 |
| 10/11/2017 21:55 | 604500 | 72.922 | 17.953 | 166.213 | 29986.615 | 34650.754 | 21.953 | 23562.516 | 33.348 | 1.015 | 14.733 |
| 10/11/2017 22:00 | 604800 | 72.922 | 17.953 | 166.212 | 29958.846 | 34618.328 | 21.93  | 23540.465 | 33.379 | 1.015 | 14.734 |
| 10/11/2017 22:05 | 605100 | 72.927 | 17.953 | 166.224 | 29967.809 | 34628.758 | 21.938 | 23547.557 | 33.369 | 1.015 | 14.732 |
| 10/11/2017 22:10 | 605400 | 72.923 | 17.953 | 166.214 | 29978.902 | 34641.578 | 21.947 | 23556.273 | 33.357 | 1.015 | 14.73  |
| 10/11/2017 22:15 | 605700 | 72.924 | 17.953 | 166.216 | 29962.02  | 34622.133 | 21.933 | 23543.053 | 33.376 | 1.015 | 14.728 |
| 10/11/2017 22:20 | 606000 | 72.927 | 17.953 | 166.224 | 29965.461 | 34626.25  | 21.936 | 23545.852 | 33.372 | 1.015 | 14.728 |
| 10/11/2017 22:25 | 606300 | 72.924 | 17.953 | 166.217 | 29974.254 | 34636.539 | 21.943 | 23552.85  | 33.362 | 1.015 | 14.728 |
| 10/11/2017 22:30 | 606600 | 72.941 | 17.953 | 166.255 | 29989.918 | 34654.637 | 21.956 | 23565.152 | 33.345 | 1.015 | 14.727 |
| 10/11/2017 22:35 | 606900 | 72.921 | 17.953 | 166.21  | 29952.504 | 34611.406 | 21.925 | 23535.758 | 33.386 | 1.015 | 14.729 |
| 10/11/2017 22:40 | 607200 | 72.917 | 17.953 | 166.201 | 29966.699 | 34627.406 | 21.937 | 23546.639 | 33.37  | 1.015 | 14.731 |
| 10/11/2017 22:45 | 607500 | 72.918 | 17.953 | 166.202 | 29966.449 | 34627.188 | 21.936 | 23546.49  | 33.371 | 1.015 | 14.733 |
| 10/11/2017 22:50 | 607800 | 72.935 | 17.953 | 166.241 | 29955.598 | 34614.578 | 21.928 | 23537.914 | 33.383 | 1.015 | 14.735 |
| 10/11/2017 22:55 | 608100 | 72.912 | 17.953 | 166.189 | 29974.709 | 34637.063 | 21.943 | 23553.203 | 33.361 | 1.015 | 14.737 |
| 10/11/2017 23:00 | 608400 | 72.905 | 17.953 | 166.173 | 29993.545 | 34658.625 | 21.958 | 23567.867 | 33.341 | 1.015 | 14.739 |
| 10/11/2017 23:05 | 608700 | 72.906 | 17.953 | 166.174 | 29990.426 | 34654.895 | 21.956 | 23565.328 | 33.344 | 1.015 | 14.739 |
| 10/11/2017 23:10 | 609000 | 72.905 | 17.953 | 166.172 | 29952.68  | 34611.539 | 21.926 | 23535.848 | 33.386 | 1.015 | 14.739 |
| 10/11/2017 23:15 | 609300 | 72.92  | 17.953 | 166.208 | 29978.719 | 34641.566 | 21.946 | 23556.268 | 33.357 | 1.015 | 14.739 |
| 10/11/2017 23:20 | 609600 | 72.902 | 17.953 | 166.166 | 29974.869 | 34637.25  | 21.943 | 23553.332 | 33.361 | 1.015 | 14.739 |
| 10/11/2017 23:25 | 609900 | 72.9   | 17.953 | 166.161 | 29944.553 | 34602.215 | 21.919 | 23529.506 | 33.395 | 1.015 | 14.738 |
| 10/11/2017 23:30 | 610200 | 72.901 | 17.952 | 166.163 | 29945.025 | 34602.832 | 21.919 | 23529.926 | 33.395 | 1.015 | 14.737 |
| 10/11/2017 23:35 | 610500 | 72.902 | 17.953 | 166.166 | 29942.525 | 34599.605 | 21.917 | 23527.732 | 33.397 | 1.015 | 14.738 |
| 10/11/2017 23:40 | 610800 | 72.896 | 17.953 | 166.153 | 29971.752 | 34633.109 | 21.941 | 23550.514 | 33.365 | 1.015 | 14.739 |
| 10/11/2017 23:45 | 611100 | 72.917 | 17.953 | 166.2   | 29971.156 | 34632.754 | 21.94  | 23550.273 | 33.365 | 1.015 | 14.74  |
| 10/11/2017 23:50 | 611400 | 72.896 | 17.953 | 166.154 | 29967.428 | 34628.246 | 21.937 | 23547.209 | 33.37  | 1.015 | 14.737 |
| 10/11/2017 23:55 | 611700 | 72.899 | 17.953 | 166.158 | 29983.941 | 34647.73  | 21.951 | 23560.457 | 33.351 | 1.015 | 14.734 |

|                                                                                                                                                                         |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------------------------------|
| Report Date:                                                                                                                                                            | 10/13/2017 8:35                                           |                                                                      |                                                          |                                                                  |                                                                      |
| Report User Name:                                                                                                                                                       | WMassoll                                                  |                                                                      |                                                          |                                                                  |                                                                      |
| Report Computer Name:                                                                                                                                                   | WKST52                                                    |                                                                      |                                                          |                                                                  |                                                                      |
| Application:                                                                                                                                                            | WinSitu.exe                                               |                                                                      |                                                          |                                                                  |                                                                      |
| Application Version:                                                                                                                                                    | 5.6.27.1                                                  |                                                                      |                                                          |                                                                  |                                                                      |
|                                                                                                                                                                         |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| Log File Properties                                                                                                                                                     |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| File Name                                                                                                                                                               | MPWSP MW-45 LT Test_2017-10-12_09-56-47-166-BaroMerge.wsl |                                                                      |                                                          |                                                                  |                                                                      |
| Create Date                                                                                                                                                             | 10/13/2017 8:31                                           |                                                                      |                                                          |                                                                  |                                                                      |
|                                                                                                                                                                         |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| Device Properties                                                                                                                                                       |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| Device                                                                                                                                                                  | Aqua TROLL 200                                            |                                                                      |                                                          |                                                                  |                                                                      |
| Site                                                                                                                                                                    | MPWSP MW-45                                               |                                                                      |                                                          |                                                                  |                                                                      |
| Device Name                                                                                                                                                             |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| Serial Number                                                                                                                                                           | 499043                                                    |                                                                      |                                                          |                                                                  |                                                                      |
| Firmware Version                                                                                                                                                        | 2.01                                                      |                                                                      |                                                          |                                                                  |                                                                      |
| Hardware Version                                                                                                                                                        | 4                                                         |                                                                      |                                                          |                                                                  |                                                                      |
| Device Address                                                                                                                                                          | 1                                                         |                                                                      |                                                          |                                                                  |                                                                      |
| Device Comm Cfg                                                                                                                                                         | 19200                                                     |                                                                      | 8 Even                                                   |                                                                  |                                                                      |
| Used Memory                                                                                                                                                             | 0                                                         |                                                                      | 1 (Modbus-RTU)                                           |                                                                  |                                                                      |
| Used Battery                                                                                                                                                            | 1                                                         |                                                                      |                                                          |                                                                  |                                                                      |
|                                                                                                                                                                         |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| Log Configuration                                                                                                                                                       |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| Log Name                                                                                                                                                                | MPWSP MW-45 LT Test                                       |                                                                      |                                                          |                                                                  |                                                                      |
| Created By                                                                                                                                                              | WMassoll                                                  |                                                                      |                                                          |                                                                  |                                                                      |
| Computer Name                                                                                                                                                           | PROBOOK2                                                  |                                                                      |                                                          |                                                                  |                                                                      |
| Application                                                                                                                                                             | WinSitu.exe                                               |                                                                      |                                                          |                                                                  |                                                                      |
| Application Version                                                                                                                                                     | 5.6.27.1                                                  |                                                                      |                                                          |                                                                  |                                                                      |
| Create Date                                                                                                                                                             | 4/7/2017 3:13:17 PM Pacific Daylight Time                 |                                                                      |                                                          |                                                                  |                                                                      |
| Log Setup Time Zone                                                                                                                                                     | Pacific Daylight Time                                     |                                                                      |                                                          |                                                                  |                                                                      |
| Notes Size(bytes)                                                                                                                                                       | 4096                                                      |                                                                      |                                                          |                                                                  |                                                                      |
| Overwrite when full                                                                                                                                                     | Enabled                                                   |                                                                      |                                                          |                                                                  |                                                                      |
| Scheduled Start Time                                                                                                                                                    | 4/7/2017 3:30:00 PM Pacific Daylight Time                 |                                                                      |                                                          |                                                                  |                                                                      |
| Scheduled Stop Time                                                                                                                                                     | No Stop Time                                              |                                                                      |                                                          |                                                                  |                                                                      |
| Type                                                                                                                                                                    | Linear                                                    |                                                                      |                                                          |                                                                  |                                                                      |
| Interval                                                                                                                                                                | Days: 0 hrs: 00 mins: 05 secs: 00                         |                                                                      |                                                          |                                                                  |                                                                      |
|                                                                                                                                                                         |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| Level Reference Settings At Log Creation                                                                                                                                |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| Level Measurement Mode                                                                                                                                                  | Specific Gravity                                          |                                                                      |                                                          |                                                                  |                                                                      |
| Depth                                                                                                                                                                   | 1.012                                                     |                                                                      |                                                          |                                                                  |                                                                      |
|                                                                                                                                                                         |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| Other Log Settings                                                                                                                                                      |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| Depth of Probe:                                                                                                                                                         | 63.6528 (ft)                                              |                                                                      |                                                          |                                                                  |                                                                      |
| Head Pressure:                                                                                                                                                          | 27.9263 (PSI)                                             |                                                                      |                                                          |                                                                  |                                                                      |
| Temperature:                                                                                                                                                            | 17.7386 (C)                                               |                                                                      |                                                          |                                                                  |                                                                      |
| Specific Conductivity Model:                                                                                                                                            | Standard Methods                                          |                                                                      |                                                          |                                                                  |                                                                      |
| Reference Temperature:                                                                                                                                                  | 25                                                        |                                                                      |                                                          |                                                                  |                                                                      |
| Temperature Coefficient:                                                                                                                                                | 0.0191                                                    |                                                                      |                                                          |                                                                  |                                                                      |
| TDS Factor:                                                                                                                                                             | 0.68                                                      |                                                                      |                                                          |                                                                  |                                                                      |
|                                                                                                                                                                         |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| Log Notes:                                                                                                                                                              |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| Date and Time                                                                                                                                                           | Note                                                      |                                                                      |                                                          |                                                                  |                                                                      |
| 4/7/2017 15:13 Used Battery: 1% Used Memory: 3% User Name: WMassoll                                                                                                     |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 4/13/2017 18:40 Log Download - Used Battery: 1% Used Memory: 4% User Name: WMassoll Interval - Start Time: 4/7/2017 3:30:00 PM Stop Time: 4/13/2017 8:40:00 PM          |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 4/20/2017 7:04 Log Download - Used Battery: 2% Used Memory: 6% User Name: AVanHaitsma Interval - Start Time: 4/12/2017 10:00:00 PM Stop Time: 4/20/2017 8:00:00 AM      |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 4/27/2017 18:47 Log Download - Used Battery: 3% Used Memory: 9% User Name: WMassoll Interval - Start Time: 4/19/2017 10:00:00 PM Stop Time: 4/27/2017 7:45:00 PM        |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 5/4/2017 12:48 Log Download - Used Battery: 4% Used Memory: 12% User Name: AVanHaitsma Interval - Start Time: 3/31/2017 10:00:00 PM Stop Time: 5/4/2017 1:45:00 PM      |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 5/11/2017 7:12 Log Download - Used Battery: 4% Used Memory: 14% User Name: AVanHaitsma Interval - Start Time: 5/3/2017 10:00:00 PM Stop Time: 5/11/2017 3:30:00 PM      |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 5/18/2017 18:50 Log Download - Used Battery: 5% Used Memory: 17% User Name: WMassoll Interval - Start Time: 5/10/2017 10:00:00 PM Stop Time: 5/18/2017 7:50:00 PM       |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 5/25/2017 7:03 Log Download - Used Battery: 6% Used Memory: 18% User Name: AVanHaitsma Interval - Start Time: 5/17/2017 10:00:00 PM Stop Time: 5/25/2017 8:00:00 AM     |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 6/1/2017 18:10 Log Download - Used Battery: 7% Used Memory: 21% User Name: WMassoll Interval - Start Time: 4/30/2017 10:00:00 PM Stop Time: 6/1/2017 7:10:00 PM         |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 6/8/2017 17:11 Log Download - Used Battery: 7% Used Memory: 23% User Name: WMassoll Interval - Start Time: 5/31/2017 10:00:00 PM Stop Time: 6/8/2017 6:10:00 PM         |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 6/15/2017 7:19 Log Download - Used Battery: 8% Used Memory: 26% User Name: AVanHaitsma Interval - Start Time: 6/7/2017 10:00:00 PM Stop Time: 6/15/2017 8:15:00 AM      |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 6/22/2017 6:39 Log Download - Used Battery: 9% Used Memory: 28% User Name: AVanHaitsma Interval - Start Time: 6/14/2017 10:00:00 PM Stop Time: 6/22/2017 7:35:00 AM     |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 6/29/2017 15:55 Log Download - Used Battery: 10% Used Memory: 31% User Name: WMassoll Interval - Start Time: 6/21/2017 10:00:00 PM Stop Time: 6/29/2017 4:55:00 PM      |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 7/6/2017 9:22 Log Download - Used Battery: 10% Used Memory: 34% User Name: WMassoll Interval - Start Time: 5/31/2017 10:00:00 PM Stop Time: 7/6/2017 10:20:00 AM        |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 7/13/2017 17:45 Log Download - Used Battery: 11% Used Memory: 35% User Name: WMassoll Interval - Start Time: 7/5/2017 10:00:00 PM Stop Time: 7/13/2017 6:45:00 PM       |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 7/20/2017 17:19 Log Download - Used Battery: 12% Used Memory: 39% User Name: WMassoll Interval - Start Time: 7/12/2017 10:00:00 PM Stop Time: 7/20/2017 6:15:00 PM      |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 7/27/2017 6:50 Log Download - Used Battery: 12% Used Memory: 40% User Name: AVanHaitsma Interval - Start Time: 7/19/2017 10:00:00 PM Stop Time: 7/27/2017 7:50:00 AM    |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 8/3/2017 6:37 Log Download - Used Battery: 13% Used Memory: 43% User Name: AVanHaitsma Interval - Start Time: 6/30/2017 10:00:00 PM Stop Time: 8/3/2017 7:35:00 AM      |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 8/10/2017 15:35 Log Download - Used Battery: 14% Used Memory: 46% User Name: WMassoll Interval - Start Time: 8/2/2017 10:00:00 PM Stop Time: 8/10/2017 4:35:00 PM       |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 8/17/2017 15:02 Log Download - Used Battery: 15% Used Memory: 48% User Name: AVanHaitsma Interval - Start Time: 8/9/2017 10:00:00 PM Stop Time: 8/17/2017 4:00:00 PM    |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 8/24/2017 14:20 Log Download - Used Battery: 15% Used Memory: 51% User Name: AVanHaitsma Interval - Start Time: 8/16/2017 10:00:00 PM Stop Time: 8/24/2017 3:20:00 PM   |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 9/1/2017 17:23 Log Download - Used Battery: 16% Used Memory: 53% User Name: WMassoll Interval - Start Time: 7/31/2017 10:00:00 PM Stop Time: 9/1/2017 6:15:00 PM        |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 9/7/2017 14:18 Log Download - Used Battery: 17% Used Memory: 56% User Name: WMassoll Interval - Start Time: 8/31/2017 10:00:00 PM Stop Time: 9/7/2017 3:10:00 PM        |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 9/14/2017 10:07 Log Download - Used Battery: 18% Used Memory: 57% User Name: AVanHaitsma Interval - Start Time: 9/6/2017 10:00:00 PM Stop Time: 9/14/2017 11:05:00 AM   |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 9/21/2017 13:24 Log Download - Used Battery: 18% Used Memory: 60% User Name: AVanHaitsma Interval - Start Time: 9/13/2017 10:00:00 PM Stop Time: 9/21/2017 2:20:00 PM   |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 9/28/2017 18:16 Log Download - Used Battery: 19% Used Memory: 64% User Name: WMassoll Interval - Start Time: 9/20/2017 10:00:00 PM Stop Time: 9/28/2017 7:15:00 PM      |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 10/5/2017 18:44 Log Download - Used Battery: 20% Used Memory: 65% User Name: WMassoll Interval - Start Time: 8/3/2017 10:00:00 PM Stop Time: 10/5/2017 7:40:00 PM       |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 10/12/2017 9:55 Log Download - Used Battery: 21% Used Memory: 68% User Name: AVanHaitsma Interval - Start Time: 10/4/2017 10:00:00 PM Stop Time: 10/12/2017 10:50:00 AM |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| 10/13/2017 8:31 User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll_2017-10-12_17-14-36-585.wsl""                                                 |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
|                                                                                                                                                                         |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| Log Data:                                                                                                                                                               |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| Record Count                                                                                                                                                            | 2160                                                      |                                                                      |                                                          |                                                                  |                                                                      |
|                                                                                                                                                                         |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| Sensors                                                                                                                                                                 |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
|                                                                                                                                                                         | 2                                                         |                                                                      |                                                          |                                                                  |                                                                      |
|                                                                                                                                                                         | 1                                                         | 499043 PCTD 30 PSIA (10.9m/35.8ft)                                   |                                                          |                                                                  |                                                                      |
|                                                                                                                                                                         | 2                                                         | 0 Baro-Adjustment Calc                                               |                                                          |                                                                  |                                                                      |
|                                                                                                                                                                         |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| Time Zone: Pacific Daylight Time                                                                                                                                        |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
|                                                                                                                                                                         |                                                           |                                                                      |                                                          |                                                                  |                                                                      |
| Date and Time                                                                                                                                                           | Elapsed Time<br>Seconds                                   | Sensor: PCTD(A) 35.8ft<br>SNR: 499043<br>Corrected<br>Pressure (PSI) | Sensor: PCTD(A) 35.8ft<br>SNR: 499043<br>Temperature (C) | Sensor: PCTD(A) 35.8ft<br>SNR: 499043<br>Corrected<br>Depth (ft) | Sensor: PCTD(A) 35.8ft<br>SNR: 499043<br>Actual Conductivity (µS/cm) |
| 10/5/2017 0:00                                                                                                                                                          | 7200                                                      | 12.65                                                                | 17.717                                                   | 28.834                                                           | 2742.265                                                             |
| 10/5/2017 0:05                                                                                                                                                          | 7500                                                      | 12.649                                                               | 17.717                                                   | 28.832                                                           | 2754.113                                                             |
| 10/5/2017 0:10                                                                                                                                                          | 7800                                                      | 12.648                                                               | 17.717                                                   | 28.829                                                           | 2765.689                                                             |
| 10/5/2017 0:15                                                                                                                                                          | 8100                                                      | 12.648                                                               | 17.717                                                   | 28.828                                                           | 2777.277                                                             |
| 10/5/2017 0:20                                                                                                                                                          | 8400                                                      | 12.647                                                               | 17.717                                                   | 28.827                                                           | 2789.544                                                             |
| 10/5/2017 0:25                                                                                                                                                          | 8700                                                      | 12.647                                                               | 17.717                                                   | 28.826                                                           | 2800.815                                                             |
| 10/5/2017 0:30                                                                                                                                                          | 9000                                                      | 12.645                                                               | 17.717                                                   | 28.822                                                           | 2812.199                                                             |
| 10/5/2017 0:35                                                                                                                                                          | 9300                                                      | 12.648                                                               | 17.717                                                   | 28.828                                                           | 2822.85                                                              |
| 10/5/2017 0:40                                                                                                                                                          | 9600                                                      | 12.651                                                               | 17.717                                                   | 28.835                                                           | 2834.132                                                             |
| 10/5/2017 0:45                                                                                                                                                          | 9900                                                      | 12.652                                                               | 17.717                                                   | 28.838                                                           | 2845.302                                                             |
| 10/5/2017 0:50                                                                                                                                                          | 10200                                                     | 12.655                                                               | 17.717                                                   | 28.845                                                           | 2855.242                                                             |
| 10/5/2017 0:55                                                                                                                                                          | 10500                                                     | 12.657                                                               | 17.717                                                   | 28.85                                                            | 2866.736                                                             |
| 10/5/2017 1:00                                                                                                                                                          | 10800                                                     | 12.659                                                               | 17.717                                                   | 28.854                                                           | 2876.62                                                              |
| 10/5/2017 1:05                                                                                                                                                          | 11100                                                     | 12.657                                                               | 17.717                                                   | 28.85                                                            | 2885.762                                                             |
| 10/5/2017 1:10                                                                                                                                                          | 11400                                                     | 12.654                                                               | 17.717                                                   | 28.843                                                           | 2895.516                                                             |
| 10/5/2017 1:15                                                                                                                                                          | 11700                                                     | 12.652                                                               | 17.717                                                   | 28.838                                                           | 2905.215                                                             |
| 10/5/2017 1:20                                                                                                                                                          | 12000                                                     | 12.652                                                               | 17.716                                                   | 28.838                                                           | 2913.627                                                             |
| 10/5/2017 1:25                                                                                                                                                          | 12300                                                     | 12.653                                                               | 17.717                                                   | 28.839                                                           | 2922.479                                                             |
| 10/5/2017 1:30                                                                                                                                                          | 12600                                                     | 12.654                                                               | 17.717                                                   | 28.842                                                           | 2932.083                                                             |
| 10/5/2017 1:35                                                                                                                                                          | 12900                                                     | 12.653                                                               | 17.717                                                   | 28.841                                                           | 2940.872                                                             |
| 10/5/2017 1:40                                                                                                                                                          | 13200                                                     | 12.653                                                               | 17.717                                                   | 28.84                                                            | 2949.266                                                             |
| 10/5/2017 1:45                                                                                                                                                          | 13500                                                     | 12.653                                                               | 17.717                                                   | 28.839                                                           | 2958.197                                                             |
| 10/5/2017 1:50                                                                                                                                                          | 13800                                                     | 12.653                                                               | 17.717                                                   | 28.841                                                           | 2966.156                                                             |
| 10/5/2017 1:55                                                                                                                                                          | 14100                                                     | 12.655                                                               | 17.717                                                   | 28.844                                                           | 2974.382                                                             |
| 10/5/2017 2:00                                                                                                                                                          | 14400                                                     | 12.655                                                               | 17.717                                                   | 28.845                                                           | 2981.373                                                             |
| 10/5/2017 2:05                                                                                                                                                          | 14700                                                     | 12.66                                                                | 17.717                                                   | 28.856                                                           | 2988.895                                                             |
| 10/5/2017 2:10                                                                                                                                                          | 15000                                                     | 12.653                                                               | 17.717                                                   | 28.84                                                            | 2997                                                                 |
| 10/5/2017 2:15                                                                                                                                                          | 15300                                                     | 12.653                                                               | 17.717                                                   | 28.84                                                            | 3004.657                                                             |
| 10/5/2017 2:20                                                                                                                                                          | 15600                                                     | 12.653                                                               | 17.717                                                   | 28.841                                                           | 3012.001                                                             |
| 10/5/2017 2:25                                                                                                                                                          | 15900                                                     | 12.653                                                               | 17.717                                                   | 28.84                                                            | 3018.235                                                             |
| 10/5/2017 2:30                                                                                                                                                          | 16200                                                     | 12.651                                                               | 17.717                                                   | 28.836                                                           | 3025.153                                                             |
| 10/5/2017 2:35                                                                                                                                                          | 16500                                                     | 12.653                                                               | 17.717                                                   | 28.84                                                            | 3031.838                                                             |
| 10/5/2017 2:40                                                                                                                                                          | 16800                                                     | 12.654                                                               | 17.717                                                   | 28.841                                                           | 3036.99                                                              |
| 10/5/2017 2:45                                                                                                                                                          | 17100                                                     | 12.653                                                               | 17.717                                                   | 28.841                                                           | 3042.494                                                             |
| 10/5/2017 2:50                                                                                                                                                          | 17400                                                     | 12.654                                                               | 17.717                                                   | 28.842                                                           | 3048.682                                                             |
| 10/5/2017 2:55                                                                                                                                                          | 17700                                                     | 12.655                                                               | 17.717                                                   | 28.846                                                           | 3053.859                                                             |
| 10/5/2017 3:00                                                                                                                                                          | 18000                                                     | 12.657                                                               | 17.717                                                   | 28.849                                                           | 3058.27                                                              |
| 10/5/2017 3:05                                                                                                                                                          | 18300                                                     | 12.656                                                               | 17.717                                                   | 28.848                                                           | 3064.237                                                             |
| 10/5/2017 3:10                                                                                                                                                          | 18600                                                     | 12.654                                                               | 17.717                                                   | 28.843                                                           | 3068.854                                                             |
| 10/5/2017 3:15                                                                                                                                                          | 18900                                                     | 12.65                                                                | 17.717                                                   | 28.834                                                           | 3073.307                                                             |
| 10/5/2017 3:20                                                                                                                                                          | 19200                                                     | 12.654                                                               | 17.717                                                   | 28.841                                                           | 3078.78                                                              |
| 10/5/2017 3:25                                                                                                                                                          | 19500                                                     | 12.655                                                               | 17.717                                                   | 28.846                                                           | 3082.85                                                              |
| 10/5/2017 3:30                                                                                                                                                          | 19800                                                     | 12.659                                                               | 17.717                                                   | 28.852                                                           | 3087.27                                                              |
| 10/5/2017 3:35                                                                                                                                                          | 20100                                                     | 12.659                                                               | 17.717                                                   | 28.854                                                           | 3090.90                                                              |
| 10/5/2017 3:40                                                                                                                                                          | 20400                                                     | 12.658                                                               | 17.717                                                   | 28.852                                                           | 3094.94                                                              |
| 10/5/2017 3:45                                                                                                                                                          | 20700                                                     | 12.659                                                               | 17.717                                                   | 28.853                                                           | 3098.98                                                              |
| 10/5/2017 3:50                                                                                                                                                          | 21000                                                     | 12.658                                                               | 17.717                                                   | 28.854                                                           | 3101.01                                                              |
| 10/5/2017 3:55                                                                                                                                                          | 21300                                                     | 12.659                                                               | 17.717                                                   | 28.852                                                           | 3105.05                                                              |
| 10/5/2017 4:00                                                                                                                                                          | 21600                                                     | 12.658                                                               | 17.717                                                   | 28.852                                                           | 3109.09                                                              |
| 10/5/2017 4:05                                                                                                                                                          | 21900                                                     | 12.659                                                               | 17.717                                                   | 28.853                                                           | 3111.11                                                              |
| 10/5/2017 4:10                                                                                                                                                          | 22200                                                     | 12.657                                                               | 17.717                                                   | 28.849                                                           | 3115.15                                                              |
| 10/5/2017 4:15                                                                                                                                                          | 22500                                                     | 12.657                                                               | 17.717                                                   | 28.848                                                           | 3118.18                                                              |
| 10/5/2017 4:20                                                                                                                                                          | 22800                                                     | 12.657                                                               | 17.717                                                   | 28.85                                                            | 3121.19                                                              |
| 10/5/2017 4:25                                                                                                                                                          | 23100                                                     | 12.659                                                               | 17.717                                                   | 28.853                                                           | 3123.22                                                              |
| 10/5/2017 4:30                                                                                                                                                          | 23400                                                     | 12.66                                                                | 17.717                                                   | 28.856                                                           | 3126.26                                                              |
| 10/5/2017 4:35                                                                                                                                                          | 23700                                                     | 12.659                                                               | 17.717                                                   | 28.855                                                           | 3129.29                                                              |
| 10/5/2017 4:40                                                                                                                                                          | 24000                                                     | 12.66                                                                | 17.717                                                   | 28.857                                                           | 3132.32                                                              |
| 10/5/2017 4:45                                                                                                                                                          | 24300                                                     | 12.66                                                                | 17.717                                                   | 28.856                                                           | 3134.34                                                              |
| 10/5/2017 4:50                                                                                                                                                          | 24600                                                     | 12.662                                                               | 17.717                                                   | 28.86                                                            | 3137.37                                                              |
| 10/5/2017 4:55                                                                                                                                                          | 24900                                                     | 12.664                                                               | 17.717                                                   | 28.865                                                           | 3140.4                                                               |
| 10/5/2017 5:00                                                                                                                                                          | 25200                                                     | 12.664                                                               | 17.717                                                   | 28.867                                                           | 3143.43                                                              |
| 10/5/2017 5:05                                                                                                                                                          | 25500                                                     | 12.662                                                               | 17.717                                                   | 28.862                                                           | 3145.45                                                              |
| 10/5/2017 5:10                                                                                                                                                          | 25800                                                     | 12.661                                                               | 17.717                                                   | 28.859                                                           | 3147.47                                                              |
| 10/5/2017 5:15                                                                                                                                                          | 26100                                                     | 12.658                                                               | 17.717                                                   | 28.853                                                           | 3148.48                                                              |
| 10/5/2017 5:20                                                                                                                                                          | 26400                                                     | 12.661                                                               | 17.717                                                   | 28.858                                                           | 3151.51                                                              |
| 10/5/2017 5:25                                                                                                                                                          | 26700                                                     | 12.663                                                               | 17.717                                                   | 28.862                                                           | 3153.53                                                              |
| 10/5/2017 5:30                                                                                                                                                          | 27000                                                     | 12.667                                                               | 17.717                                                   | 28.87                                                            | 3155.55                                                              |
| 10/5/2017 5:35                                                                                                                                                          | 27300                                                     | 12.67                                                                | 17.717                                                   | 28.879                                                           | 3157.57                                                              |
| 10/5/2017 5:40                                                                                                                                                          | 27600                                                     | 12.663                                                               | 17.717                                                   | 28.863                                                           | 3159.59                                                              |
| 10/5/2017 5:45                                                                                                                                                          | 27900                                                     | 12.662                                                               | 17.717                                                   | 28.86                                                            | 3161.61                                                              |
| 10/5/2017 5:50                                                                                                                                                          | 28200                                                     | 12.664                                                               | 17.717                                                   | 28.864                                                           | 3163.63                                                              |
| 10/5/2017 5:55                                                                                                                                                          | 28500                                                     | 12.665                                                               | 17.717                                                   | 28.867                                                           | 3164.64                                                              |
| 10/5/2017 6:00                                                                                                                                                          | 28800                                                     | 12.665                                                               | 17.717                                                   | 28.867                                                           | 3167.67                                                              |
| 10/5/2017 6:05                                                                                                                                                          | 29100                                                     | 12.664                                                               | 17.717                                                   | 28.866                                                           | 3168.68                                                              |
| 10/5/2017 6:10                                                                                                                                                          | 29400                                                     | 12.663                                                               | 17.717                                                   | 28.864                                                           | 3170.7                                                               |
| 10/5/2017 6:15                                                                                                                                                          | 29700                                                     | 12.662                                                               | 17.717                                                   | 28.86                                                            | 3170.7                                                               |
| 10/5/2017 6:20                                                                                                                                                          | 30000                                                     | 12.663                                                               | 17.717                                                   | 28.864                                                           | 3172.72                                                              |
| 10/5/2017 6:25                                                                                                                                                          | 30300                                                     | 12.662                                                               | 17.717                                                   | 28.86                                                            | 3172.72                                                              |
| 10/5/2017 6:30                                                                                                                                                          | 30600                                                     | 12.662                                                               | 17.717                                                   | 28.862                                                           | 3174.74                                                              |
| 10/5/2017 6:35                                                                                                                                                          | 30900                                                     | 12.662                                                               | 17.717                                                   | 28.86                                                            | 3174.74                                                              |
| 10/5/2017 6:40                                                                                                                                                          | 31200                                                     | 12.661                                                               | 17.717                                                   | 28.857                                                           | 3176.76                                                              |
| 10/5/2017 6:45                                                                                                                                                          | 31500                                                     | 12.661                                                               | 17.717                                                   | 28.858                                                           | 3178.78                                                              |
| 10/5/2017 6:50                                                                                                                                                          | 31800                                                     | 12.662                                                               | 17.717                                                   | 28.861                                                           | 3180.8                                                               |
| 10/5/2017 6:55                                                                                                                                                          | 32100                                                     | 12.663                                                               | 17.717                                                   | 28.864                                                           | 3182.82                                                              |
| 10/5/2017 7:00                                                                                                                                                          | 32400                                                     | 12.666                                                               | 17.717                                                   | 28.87                                                            | 3184.84                                                              |
| 10/5/2017 7:05                                                                                                                                                          | 32700                                                     | 12.664                                                               | 17.717                                                   | 28.864                                                           | 3186.86                                                              |
| 10/5/2017 7:10                                                                                                                                                          | 33000                                                     | 12.664                                                               | 17.717                                                   | 28.864                                                           | 3188.88                                                              |
| 10/5/2017 7:15                                                                                                                                                          | 33300                                                     | 12.662                                                               | 17.718                                                   | 28.86                                                            | 3190.9                                                               |
| 10/5/2017 7:20                                                                                                                                                          | 33600                                                     | 12.664                                                               | 17.718                                                   | 28.865                                                           | 3192.92                                                              |
| 10/5/2017 7:25                                                                                                                                                          | 33900                                                     | 12.665                                                               | 17.717                                                   | 28.868                                                           | 3194.94                                                              |
| 10/5/2017 7:30                                                                                                                                                          | 34200                                                     | 12.667                                                               | 17.717                                                   | 28.868                                                           | 3196.96                                                              |
| 10/5/2017 7:35                                                                                                                                                          | 34500                                                     | 12.666                                                               | 17.717                                                   | 28.87                                                            | 3198.98                                                              |
| 10/5/2017 7:40                                                                                                                                                          | 34800                                                     | 12.666                                                               | 17.717                                                   | 28.87                                                            | 3200.99                                                              |
| 10/5/2017 7:45                                                                                                                                                          | 35100                                                     | 12.665                                                               | 17.717                                                   | 28.867                                                           | 3203.01                                                              |
| 10/5/2017 7:50                                                                                                                                                          | 35400                                                     | 12.663                                                               | 17.717                                                   | 28.863                                                           | 3205.03                                                              |
| 10/5/2017 7:55                                                                                                                                                          | 35700                                                     | 12.661                                                               | 17.717                                                   | 28.858                                                           | 3207.05                                                              |
| 10/5/2017 8:00                                                                                                                                                          | 36000                                                     | 12.658                                                               | 17.718                                                   | 28.87                                                            | 3209.07                                                              |
| 10/5/201                                                                                                                                                                |                                                           |                                                                      |                                                          |                                                                  |                                                                      |

|                 |       |        |        |        |          |          |       |         |         |   |        |
|-----------------|-------|--------|--------|--------|----------|----------|-------|---------|---------|---|--------|
| 10/5/2017 8:50  | 39000 | 12.66  | 17.717 | 28.857 | 2866.211 | 3329.349 | 1.761 | 2.264   | 348.893 | 1 | 14.741 |
| 10/5/2017 8:55  | 39300 | 12.663 | 17.717 | 28.863 | 2860.98  | 3323.266 | 1.758 | 2.26    | 349.531 | 1 | 14.742 |
| 10/5/2017 9:00  | 39600 | 12.657 | 17.717 | 28.848 | 2855.298 | 3316.667 | 1.754 | 2.255   | 350.226 | 1 | 14.743 |
| 10/5/2017 9:05  | 39900 | 12.658 | 17.717 | 28.851 | 2850.03  | 3310.547 | 1.75  | 2.251   | 350.874 | 1 | 14.742 |
| 10/5/2017 9:10  | 40200 | 12.659 | 17.718 | 28.855 | 2844.961 | 3304.614 | 1.747 | 2.247   | 351.499 | 1 | 14.741 |
| 10/5/2017 9:15  | 40500 | 12.661 | 17.717 | 28.858 | 2840.422 | 3299.374 | 1.744 | 2.244   | 352.06  | 1 | 14.74  |
| 10/5/2017 9:20  | 40800 | 12.66  | 17.717 | 28.856 | 2835.742 | 3293.969 | 1.741 | 2.24    | 352.641 | 1 | 14.74  |
| 10/5/2017 9:25  | 41100 | 12.662 | 17.717 | 28.86  | 2831.249 | 3288.712 | 1.738 | 2.236   | 353.201 | 1 | 14.74  |
| 10/5/2017 9:30  | 41400 | 12.661 | 17.717 | 28.859 | 2826.995 | 3283.783 | 1.736 | 2.233   | 353.733 | 1 | 14.74  |
| 10/5/2017 9:35  | 41700 | 12.659 | 17.717 | 28.854 | 2823.799 | 3280.064 | 1.733 | 2.23    | 354.133 | 1 | 14.741 |
| 10/5/2017 9:40  | 42000 | 12.659 | 17.717 | 28.853 | 2818.836 | 3274.313 | 1.73  | 2.227   | 354.756 | 1 | 14.741 |
| 10/5/2017 9:45  | 42300 | 12.66  | 17.717 | 28.857 | 2815.388 | 3270.326 | 1.728 | 2.224   | 355.191 | 1 | 14.742 |
| 10/5/2017 9:50  | 42600 | 12.661 | 17.717 | 28.858 | 2811.63  | 3265.935 | 1.726 | 2.221   | 355.666 | 1 | 14.744 |
| 10/5/2017 9:55  | 42900 | 12.662 | 17.717 | 28.859 | 2807.65  | 3261.344 | 1.723 | 2.218   | 356.17  | 1 | 14.74  |
| 10/5/2017 10:00 | 43200 | 12.662 | 17.717 | 28.86  | 2804.27  | 3257.411 | 1.721 | 2.215   | 356.599 | 1 | 14.739 |
| 10/5/2017 10:05 | 43500 | 12.659 | 17.717 | 28.854 | 2801.315 | 3253.922 | 1.719 | 2.213   | 356.975 | 1 | 14.742 |
| 10/5/2017 10:10 | 43800 | 12.656 | 17.717 | 28.846 | 2797.781 | 3249.843 | 1.717 | 2.21    | 357.426 | 1 | 14.744 |
| 10/5/2017 10:15 | 44100 | 12.653 | 17.717 | 28.84  | 2794.014 | 3245.486 | 1.714 | 2.207   | 357.908 | 1 | 14.747 |
| 10/5/2017 10:20 | 44400 | 12.655 | 17.717 | 28.845 | 2791.382 | 3242.435 | 1.712 | 2.205   | 358.245 | 1 | 14.744 |
| 10/5/2017 10:25 | 44700 | 12.659 | 17.717 | 28.854 | 2788.938 | 3239.589 | 1.711 | 2.203   | 358.559 | 1 | 14.741 |
| 10/5/2017 10:30 | 45000 | 12.661 | 17.717 | 28.859 | 2785.375 | 3235.445 | 1.709 | 2.2     | 359.018 | 1 | 14.738 |
| 10/5/2017 10:35 | 45300 | 12.66  | 17.717 | 28.856 | 2782.876 | 3232.572 | 1.707 | 2.198   | 359.341 | 1 | 14.739 |
| 10/5/2017 10:40 | 45600 | 12.659 | 17.717 | 28.853 | 2780.504 | 3229.774 | 1.705 | 2.196   | 359.647 | 1 | 14.74  |
| 10/5/2017 10:45 | 45900 | 12.658 | 17.717 | 28.85  | 2778.175 | 3227.106 | 1.704 | 2.194   | 359.949 | 1 | 14.741 |
| 10/5/2017 10:50 | 46200 | 12.656 | 17.717 | 28.847 | 2775.804 | 3224.352 | 1.702 | 2.193   | 360.256 | 1 | 14.74  |
| 10/5/2017 10:55 | 46500 | 12.658 | 17.717 | 28.852 | 2772.773 | 3220.794 | 1.7   | 2.19    | 360.65  | 1 | 14.739 |
| 10/5/2017 11:00 | 46800 | 12.657 | 17.717 | 28.849 | 2770.041 | 3217.664 | 1.699 | 2.188   | 361.005 | 1 | 14.738 |
| 10/5/2017 11:05 | 47100 | 12.658 | 17.717 | 28.852 | 2768.558 | 3215.904 | 1.698 | 2.187   | 361.199 | 1 | 14.737 |
| 10/5/2017 11:10 | 47400 | 12.658 | 17.717 | 28.851 | 2765.817 | 3212.727 | 1.696 | 2.185   | 361.557 | 1 | 14.736 |
| 10/5/2017 11:15 | 47700 | 12.659 | 17.717 | 28.854 | 2763.896 | 3210.496 | 1.695 | 2.183   | 361.808 | 1 | 14.735 |
| 10/5/2017 11:20 | 48000 | 12.658 | 17.717 | 28.852 | 2761.914 | 3208.206 | 1.693 | 2.182   | 362.068 | 1 | 14.735 |
| 10/5/2017 11:25 | 48300 | 12.657 | 17.717 | 28.849 | 2759.373 | 3205.265 | 1.692 | 2.18    | 362.401 | 1 | 14.736 |
| 10/5/2017 11:30 | 48600 | 12.655 | 17.717 | 28.846 | 2757.733 | 3203.33  | 1.691 | 2.178   | 362.617 | 1 | 14.736 |
| 10/5/2017 11:35 | 48900 | 12.655 | 17.717 | 28.844 | 2754.875 | 3200.022 | 1.689 | 2.176   | 362.993 | 1 | 14.738 |
| 10/5/2017 11:40 | 49200 | 12.652 | 17.717 | 28.839 | 2753.724 | 3198.691 | 1.688 | 2.175   | 363.145 | 1 | 14.74  |
| 10/5/2017 11:45 | 49500 | 12.648 | 17.717 | 28.829 | 2751.752 | 3196.377 | 1.687 | 2.174   | 363.405 | 1 | 14.742 |
| 10/5/2017 11:50 | 49800 | 12.649 | 17.717 | 28.832 | 2749.823 | 3194.161 | 1.685 | 2.172   | 363.66  | 1 | 14.74  |
| 10/5/2017 11:55 | 50100 | 12.652 | 17.717 | 28.838 | 2748.842 | 3193.021 | 1.685 | 2.171   | 363.79  | 1 | 14.738 |
| 10/5/2017 12:00 | 50400 | 12.653 | 17.717 | 28.84  | 2747.63  | 3191.619 | 1.684 | 2.17    | 363.95  | 1 | 14.737 |
| 10/5/2017 12:05 | 50700 | 12.652 | 17.717 | 28.837 | 2745.886 | 3189.582 | 1.683 | 2.169   | 364.181 | 1 | 14.736 |
| 10/5/2017 12:10 | 51000 | 12.651 | 17.717 | 28.837 | 2744.066 | 3187.461 | 1.682 | 2.168   | 364.423 | 1 | 14.736 |
| 10/5/2017 12:15 | 51300 | 12.651 | 17.717 | 28.836 | 2742.39  | 3185.532 | 1.681 | 2.166   | 364.645 | 1 | 14.735 |
| 10/5/2017 12:20 | 51600 | 12.652 | 17.717 | 28.837 | 2740.981 | 3183.879 | 1.68  | 2.165   | 364.883 | 1 | 14.736 |
| 10/5/2017 12:25 | 51900 | 12.65  | 17.717 | 28.833 | 2739.835 | 3182.576 | 1.679 | 2.164   | 364.986 | 1 | 14.736 |
| 10/5/2017 12:30 | 52200 | 12.652 | 17.717 | 28.839 | 2738.734 | 3181.255 | 1.678 | 2.163   | 365.132 | 1 | 14.736 |
| 10/5/2017 12:35 | 52500 | 12.653 | 17.717 | 28.84  | 2737.394 | 3179.723 | 1.677 | 2.162   | 365.311 | 1 | 14.733 |
| 10/5/2017 12:40 | 52800 | 12.655 | 17.717 | 28.844 | 2736.427 | 3178.6   | 1.677 | 2.161   | 365.44  | 1 | 14.731 |
| 10/5/2017 12:45 | 53100 | 12.656 | 17.717 | 28.846 | 2735.872 | 3177.955 | 1.676 | 2.161   | 365.514 | 1 | 14.729 |
| 10/5/2017 12:50 | 53400 | 12.654 | 17.717 | 28.843 | 2734.367 | 3176.945 | 1.675 | 2.16    | 365.715 | 1 | 14.73  |
| 10/5/2017 12:55 | 53700 | 12.651 | 17.717 | 28.835 | 2732.964 | 3175.751 | 1.675 | 2.159   | 365.903 | 1 | 14.732 |
| 10/5/2017 13:00 | 54000 | 12.648 | 17.717 | 28.828 | 2732.402 | 3173.906 | 1.674 | 2.158   | 365.978 | 1 | 14.734 |
| 10/5/2017 13:05 | 54300 | 12.65  | 17.717 | 28.834 | 2731.289 | 3172.62  | 1.673 | 2.157   | 366.127 | 1 | 14.732 |
| 10/5/2017 13:10 | 54600 | 12.651 | 17.717 | 28.836 | 2730.281 | 3171.429 | 1.673 | 2.157   | 366.263 | 1 | 14.73  |
| 10/5/2017 13:15 | 54900 | 12.652 | 17.717 | 28.838 | 2729.062 | 3170.045 | 1.672 | 2.156   | 366.426 | 1 | 14.727 |
| 10/5/2017 13:20 | 55200 | 12.653 | 17.717 | 28.84  | 2726.952 | 3167.594 | 1.671 | 2.154   | 366.71  | 1 | 14.726 |
| 10/5/2017 13:25 | 55500 | 12.653 | 17.717 | 28.84  | 2726.31  | 3166.848 | 1.67  | 2.153   | 366.796 | 1 | 14.725 |
| 10/5/2017 13:30 | 55800 | 12.655 | 17.717 | 28.844 | 2724.635 | 3164.883 | 1.669 | 2.152   | 367.022 | 1 | 14.724 |
| 10/5/2017 13:35 | 56100 | 12.652 | 17.717 | 28.838 | 2723.765 | 3163.885 | 1.669 | 2.151   | 367.139 | 1 | 14.723 |
| 10/5/2017 13:40 | 56400 | 12.652 | 17.717 | 28.837 | 2721.521 | 3161.273 | 1.667 | 2.15    | 367.442 | 1 | 14.723 |
| 10/5/2017 13:45 | 56700 | 12.654 | 17.717 | 28.841 | 2720.221 | 3159.781 | 1.666 | 2.149   | 367.617 | 1 | 14.723 |
| 10/5/2017 13:50 | 57000 | 12.652 | 17.717 | 28.839 | 2719.163 | 3158.515 | 1.666 | 2.148   | 367.76  | 1 | 14.722 |
| 10/5/2017 13:55 | 57300 | 12.652 | 17.717 | 28.837 | 2717.328 | 3156.415 | 1.664 | 2.146   | 368.009 | 1 | 14.72  |
| 10/5/2017 14:00 | 57600 | 12.652 | 17.717 | 28.838 | 2716.483 | 3155.439 | 1.664 | 2.146   | 368.123 | 1 | 14.721 |
| 10/5/2017 14:05 | 57900 | 12.65  | 17.717 | 28.834 | 2715.171 | 3153.878 | 1.663 | 2.145   | 368.301 | 1 | 14.721 |
| 10/5/2017 14:10 | 58200 | 12.649 | 17.717 | 28.83  | 2714.073 | 3152.627 | 1.662 | 2.144   | 368.45  | 1 | 14.721 |
| 10/5/2017 14:15 | 58500 | 12.649 | 17.717 | 28.832 | 2712.933 | 3151.315 | 1.662 | 2.143   | 368.605 | 1 | 14.721 |
| 10/5/2017 14:20 | 58800 | 12.65  | 17.717 | 28.834 | 2710.966 | 3149.036 | 1.66  | 2.141   | 368.872 | 1 | 14.72  |
| 10/5/2017 14:25 | 59100 | 12.649 | 17.717 | 28.831 | 2710.067 | 3147.949 | 1.66  | 2.141   | 368.995 | 1 | 14.725 |
| 10/5/2017 14:30 | 59400 | 12.649 | 17.717 | 28.831 | 2708.654 | 3146.332 | 1.659 | 2.14    | 369.187 | 1 | 14.717 |
| 10/5/2017 14:35 | 59700 | 12.648 | 17.717 | 28.829 | 2707.459 | 3144.963 | 1.658 | 2.139   | 369.35  | 1 | 14.718 |
| 10/5/2017 14:40 | 60000 | 12.649 | 17.717 | 28.831 | 2705.109 | 3142.215 | 1.657 | 2.137   | 369.671 | 1 | 14.719 |
| 10/5/2017 14:45 | 60300 | 12.646 | 17.717 | 28.825 | 2704.326 | 3141.287 | 1.656 | 2.136   | 369.778 | 1 | 14.719 |
| 10/5/2017 14:50 | 60600 | 12.646 | 17.717 | 28.825 | 2702.081 | 3138.673 | 1.655 | 2.134   | 370.085 | 1 | 14.718 |
| 10/5/2017 14:55 | 60900 | 12.647 | 17.717 | 28.827 | 2701.017 | 3137.456 | 1.654 | 2.133   | 370.231 | 1 | 14.717 |
| 10/5/2017 15:00 | 61200 | 12.648 | 17.717 | 28.829 | 2698.718 | 3134.773 | 1.652 | 2.132   | 370.546 | 1 | 14.716 |
| 10/5/2017 15:05 | 61500 | 12.649 | 17.717 | 28.832 | 2696.84  | 3132.598 | 1.651 | 2.13    | 370.804 | 1 | 14.715 |
| 10/5/2017 15:10 | 61800 | 12.651 | 17.717 | 28.836 | 2695.398 | 3130.942 | 1.65  | 2.129   | 371.003 | 1 | 14.714 |
| 10/5/2017 15:15 | 62100 | 12.651 | 17.717 | 28.837 | 2694.712 | 3130.156 | 1.65  | 2.129   | 371.097 | 1 | 14.712 |
| 10/5/2017 15:20 | 62400 | 12.65  | 17.717 | 28.832 | 2692.142 | 3127.147 | 1.648 | 2.126   | 371.451 | 1 | 14.713 |
| 10/5/2017 15:25 | 62700 | 12.649 | 17.717 | 28.83  | 2690.969 | 3125.887 | 1.647 | 2.125   | 371.627 | 1 | 14.713 |
| 10/5/2017 15:30 | 63000 | 12.648 | 17.716 | 28.83  | 2689.654 | 3124.292 | 1.647 | 2.125   | 371.795 | 1 | 14.713 |
| 10/5/2017 15:35 | 63300 | 12.65  | 17.717 | 28.833 | 2688.011 | 3122.366 | 1.645 | 2.123   | 372.022 | 1 | 14.711 |
| 10/5/2017 15:40 | 63600 | 12.65  | 17.717 | 28.834 | 2686.193 | 3120.261 | 1.644 | 2.122   | 372.274 | 1 | 14.709 |
| 10/5/2017 15:45 | 63900 | 12.652 | 17.717 | 28.837 | 2685.286 | 3119.158 | 1.644 | 2.121   | 372.4   | 1 | 14.707 |
| 10/5/2017 15:50 | 64200 | 12.65  | 17.717 | 28.834 | 2683.828 | 3117.478 | 1.643 | 2.12    | 372.602 | 1 | 14.709 |
| 10/5/2017 15:55 | 64500 | 12.647 | 17.717 | 28.825 | 2682.475 | 3115.9   | 1.642 | 2.119   | 372.79  | 1 | 14.71  |
| 10/5/2017 16:00 | 64800 | 12.643 | 17.717 | 28.818 | 2680.874 | 3114.052 | 1.641 | 2.118   | 373.013 | 1 | 14.714 |
| 10/5/2017 16:05 | 65100 | 12.645 | 17.717 | 28.821 | 2679.083 | 3111.972 | 1.64  | 2.116</ |         |   |        |

|                |        |        |        |        |          |          |       |       |         |   |        |
|----------------|--------|--------|--------|--------|----------|----------|-------|-------|---------|---|--------|
| 10/6/2017 2:25 | 102300 | 12.65  | 17.717 | 28.833 | 3075.885 | 3572.917 | 1.898 | 2.43  | 325.11  | 1 | 14.729 |
| 10/6/2017 2:30 | 102600 | 12.65  | 17.716 | 28.833 | 3081.529 | 3579.493 | 1.901 | 2.434 | 324.514 | 1 | 14.728 |
| 10/6/2017 2:35 | 102900 | 12.65  | 17.717 | 28.832 | 3087.181 | 3586.045 | 1.905 | 2.439 | 323.92  | 1 | 14.728 |
| 10/6/2017 2:40 | 103200 | 12.649 | 17.717 | 28.831 | 3093.731 | 3593.646 | 1.909 | 2.444 | 323.234 | 1 | 14.727 |
| 10/6/2017 2:45 | 103500 | 12.65  | 17.717 | 28.833 | 3097.283 | 3597.772 | 1.912 | 2.446 | 322.864 | 1 | 14.727 |
| 10/6/2017 2:50 | 103800 | 12.649 | 17.717 | 28.831 | 3102.792 | 3604.186 | 1.915 | 2.451 | 322.259 | 1 | 14.728 |
| 10/6/2017 2:55 | 104100 | 12.647 | 17.717 | 28.827 | 3106.969 | 3609.029 | 1.918 | 2.454 | 321.857 | 1 | 14.729 |
| 10/6/2017 3:00 | 104400 | 12.647 | 17.717 | 28.826 | 3112.199 | 3615.092 | 1.921 | 2.458 | 321.316 | 1 | 14.73  |
| 10/6/2017 3:05 | 104700 | 12.648 | 17.717 | 28.829 | 3115.585 | 3619.039 | 1.924 | 2.461 | 320.967 | 1 | 14.728 |
| 10/6/2017 3:10 | 105000 | 12.651 | 17.717 | 28.835 | 3120.334 | 3624.541 | 1.927 | 2.465 | 320.479 | 1 | 14.726 |
| 10/6/2017 3:15 | 105300 | 12.652 | 17.716 | 28.838 | 3124.27  | 3629.141 | 1.929 | 2.468 | 320.075 | 1 | 14.724 |
| 10/6/2017 3:20 | 105600 | 12.65  | 17.717 | 28.834 | 3126.998 | 3632.269 | 1.931 | 2.47  | 319.796 | 1 | 14.726 |
| 10/6/2017 3:25 | 105900 | 12.649 | 17.717 | 28.831 | 3130.996 | 3636.913 | 1.934 | 2.473 | 319.384 | 1 | 14.728 |
| 10/6/2017 3:30 | 106200 | 12.649 | 17.716 | 28.831 | 3134.454 | 3640.971 | 1.936 | 2.476 | 319.035 | 1 | 14.73  |
| 10/6/2017 3:35 | 106500 | 12.649 | 17.716 | 28.831 | 3137.918 | 3645.016 | 1.938 | 2.479 | 318.683 | 1 | 14.728 |
| 10/6/2017 3:40 | 106800 | 12.65  | 17.717 | 28.834 | 3140.66  | 3648.152 | 1.94  | 2.481 | 318.404 | 1 | 14.727 |
| 10/6/2017 3:45 | 107100 | 12.652 | 17.717 | 28.838 | 3143.859 | 3651.874 | 1.942 | 2.483 | 318.08  | 1 | 14.726 |
| 10/6/2017 3:50 | 107400 | 12.653 | 17.716 | 28.841 | 3147.843 | 3656.523 | 1.945 | 2.486 | 317.678 | 1 | 14.724 |
| 10/6/2017 3:55 | 107700 | 12.656 | 17.717 | 28.847 | 3150.565 | 3659.658 | 1.946 | 2.489 | 317.403 | 1 | 14.723 |
| 10/6/2017 4:00 | 108000 | 12.659 | 17.716 | 28.854 | 3153.3   | 3662.876 | 1.948 | 2.491 | 317.128 | 1 | 14.722 |
| 10/6/2017 4:05 | 108300 | 12.655 | 17.716 | 28.844 | 3156.297 | 3666.351 | 1.95  | 2.493 | 316.827 | 1 | 14.723 |
| 10/6/2017 4:10 | 108600 | 12.653 | 17.717 | 28.841 | 3158.992 | 3669.466 | 1.952 | 2.495 | 316.557 | 1 | 14.725 |
| 10/6/2017 4:15 | 108900 | 12.653 | 17.717 | 28.84  | 3161.94  | 3672.884 | 1.954 | 2.498 | 316.262 | 1 | 14.726 |
| 10/6/2017 4:20 | 109200 | 12.656 | 17.717 | 28.847 | 3164.352 | 3675.664 | 1.955 | 2.499 | 316.021 | 1 | 14.726 |
| 10/6/2017 4:25 | 109500 | 12.653 | 17.717 | 28.84  | 3167.196 | 3678.989 | 1.957 | 2.502 | 315.737 | 1 | 14.726 |
| 10/6/2017 4:30 | 109800 | 12.653 | 17.716 | 28.841 | 3169.889 | 3682.146 | 1.959 | 2.504 | 315.468 | 1 | 14.727 |
| 10/6/2017 4:35 | 110100 | 12.653 | 17.716 | 28.841 | 3172.808 | 3685.522 | 1.961 | 2.506 | 315.178 | 1 | 14.727 |
| 10/6/2017 4:40 | 110400 | 12.655 | 17.717 | 28.844 | 3174.995 | 3688.006 | 1.962 | 2.508 | 314.961 | 1 | 14.727 |
| 10/6/2017 4:45 | 110700 | 12.652 | 17.717 | 28.838 | 3177.613 | 3691.068 | 1.964 | 2.51  | 314.702 | 1 | 14.728 |
| 10/6/2017 4:50 | 111000 | 12.653 | 17.717 | 28.841 | 3180.057 | 3693.936 | 1.966 | 2.512 | 314.46  | 1 | 14.727 |
| 10/6/2017 4:55 | 111300 | 12.654 | 17.717 | 28.842 | 3181.626 | 3695.747 | 1.967 | 2.513 | 314.305 | 1 | 14.727 |
| 10/6/2017 5:00 | 111600 | 12.655 | 17.717 | 28.846 | 3183.666 | 3698.1   | 1.968 | 2.515 | 314.103 | 1 | 14.726 |
| 10/6/2017 5:05 | 111900 | 12.656 | 17.716 | 28.847 | 3186.273 | 3701.185 | 1.97  | 2.517 | 313.846 | 1 | 14.726 |
| 10/6/2017 5:10 | 112200 | 12.655 | 17.717 | 28.844 | 3179.265 | 3692.987 | 1.965 | 2.511 | 314.538 | 1 | 14.726 |
| 10/6/2017 5:15 | 112500 | 12.653 | 17.717 | 28.841 | 3162.828 | 3673.915 | 1.954 | 2.498 | 316.173 | 1 | 14.726 |
| 10/6/2017 5:20 | 112800 | 12.652 | 17.717 | 28.837 | 3141.596 | 3649.26  | 1.941 | 2.481 | 318.31  | 1 | 14.728 |
| 10/6/2017 5:25 | 113100 | 12.651 | 17.717 | 28.836 | 3121.996 | 3626.496 | 1.928 | 2.466 | 320.308 | 1 | 14.729 |
| 10/6/2017 5:30 | 113400 | 12.65  | 17.717 | 28.833 | 3104.788 | 3606.476 | 1.917 | 2.452 | 322.083 | 1 | 14.731 |
| 10/6/2017 5:35 | 113700 | 12.651 | 17.717 | 28.835 | 3088.074 | 3587.069 | 1.906 | 2.439 | 323.826 | 1 | 14.729 |
| 10/6/2017 5:40 | 114000 | 12.655 | 17.717 | 28.844 | 3073.409 | 3570.034 | 1.896 | 2.428 | 325.372 | 1 | 14.726 |
| 10/6/2017 5:45 | 114300 | 12.658 | 17.717 | 28.851 | 3060.028 | 3554.484 | 1.887 | 2.417 | 326.794 | 1 | 14.724 |
| 10/6/2017 5:50 | 114600 | 12.657 | 17.717 | 28.848 | 3047.76  | 3540.22  | 1.879 | 2.407 | 328.11  | 1 | 14.724 |
| 10/6/2017 5:55 | 114900 | 12.658 | 17.717 | 28.853 | 3036.346 | 3526.983 | 1.872 | 2.398 | 329.343 | 1 | 14.724 |
| 10/6/2017 6:00 | 115200 | 12.657 | 17.717 | 28.848 | 3027.031 | 3516.155 | 1.866 | 2.391 | 330.357 | 1 | 14.724 |
| 10/6/2017 6:05 | 115500 | 12.656 | 17.716 | 28.846 | 3017.458 | 3505.082 | 1.86  | 2.383 | 331.405 | 1 | 14.725 |
| 10/6/2017 6:10 | 115800 | 12.656 | 17.716 | 28.847 | 3008.078 | 3494.172 | 1.853 | 2.376 | 332.438 | 1 | 14.726 |
| 10/6/2017 6:15 | 116100 | 12.656 | 17.717 | 28.847 | 2999.513 | 3484.211 | 1.848 | 2.369 | 333.387 | 1 | 14.726 |
| 10/6/2017 6:20 | 116400 | 12.653 | 17.717 | 28.839 | 2991.528 | 3474.922 | 1.843 | 2.363 | 334.277 | 1 | 14.728 |
| 10/6/2017 6:25 | 116700 | 12.657 | 17.717 | 28.837 | 2985.221 | 3467.608 | 1.838 | 2.358 | 334.984 | 1 | 14.73  |
| 10/6/2017 6:30 | 117000 | 12.65  | 17.717 | 28.833 | 2977.33  | 3458.437 | 1.833 | 2.352 | 335.871 | 1 | 14.732 |
| 10/6/2017 6:35 | 117300 | 12.649 | 17.717 | 28.831 | 2970.226 | 3450.191 | 1.829 | 2.346 | 336.675 | 1 | 14.733 |
| 10/6/2017 6:40 | 117600 | 12.65  | 17.717 | 28.834 | 2963.467 | 3442.333 | 1.824 | 2.341 | 337.443 | 1 | 14.733 |
| 10/6/2017 6:45 | 117900 | 12.649 | 17.716 | 28.832 | 2956.776 | 3434.58  | 1.82  | 2.336 | 338.206 | 1 | 14.733 |
| 10/6/2017 6:50 | 118200 | 12.651 | 17.717 | 28.836 | 2949.536 | 3426.164 | 1.815 | 2.33  | 339.036 | 1 | 14.732 |
| 10/6/2017 6:55 | 118500 | 12.652 | 17.717 | 28.837 | 2943.977 | 3417.352 | 1.81  | 2.324 | 339.907 | 1 | 14.732 |
| 10/6/2017 7:00 | 118800 | 12.653 | 17.717 | 28.841 | 2937.759 | 3407.831 | 1.805 | 2.317 | 340.86  | 1 | 14.732 |
| 10/6/2017 7:05 | 119100 | 12.653 | 17.717 | 28.839 | 2928.061 | 3401.192 | 1.801 | 2.313 | 341.523 | 1 | 14.731 |
| 10/6/2017 7:10 | 119400 | 12.651 | 17.716 | 28.836 | 2922.877 | 3395.223 | 1.798 | 2.309 | 342.129 | 1 | 14.731 |
| 10/6/2017 7:15 | 119700 | 12.651 | 17.717 | 28.836 | 2917.052 | 3388.43  | 1.794 | 2.304 | 342.812 | 1 | 14.732 |
| 10/6/2017 7:20 | 120000 | 12.65  | 17.717 | 28.834 | 2911.969 | 3382.507 | 1.791 | 2.3   | 343.41  | 1 | 14.733 |
| 10/6/2017 7:25 | 120300 | 12.651 | 17.716 | 28.835 | 2907.265 | 3377.069 | 1.788 | 2.296 | 343.966 | 1 | 14.735 |
| 10/6/2017 7:30 | 120600 | 12.649 | 17.716 | 28.832 | 2903.023 | 3372.16  | 1.785 | 2.293 | 344.467 | 1 | 14.736 |
| 10/6/2017 7:35 | 120900 | 12.655 | 17.717 | 28.844 | 2898.077 | 3366.384 | 1.782 | 2.289 | 345.056 | 1 | 14.735 |
| 10/6/2017 7:40 | 121200 | 12.651 | 17.717 | 28.835 | 2893.971 | 3361.601 | 1.779 | 2.286 | 345.546 | 1 | 14.733 |
| 10/6/2017 7:45 | 121500 | 12.655 | 17.716 | 28.844 | 2888.682 | 3355.489 | 1.776 | 2.282 | 346.179 | 1 | 14.732 |
| 10/6/2017 7:50 | 121800 | 12.655 | 17.717 | 28.845 | 2884.711 | 3350.858 | 1.773 | 2.279 | 346.655 | 1 | 14.733 |
| 10/6/2017 7:55 | 122100 | 12.654 | 17.717 | 28.841 | 2881.862 | 3347.542 | 1.771 | 2.276 | 346.998 | 1 | 14.735 |
| 10/6/2017 8:00 | 122400 | 12.651 | 17.717 | 28.837 | 2878.73  | 3341.587 | 1.768 | 2.272 | 347.617 | 1 | 14.736 |
| 10/6/2017 8:05 | 122700 | 12.651 | 17.717 | 28.835 | 2873.138 | 3337.414 | 1.766 | 2.269 | 348.051 | 1 | 14.739 |
| 10/6/2017 8:10 | 123000 | 12.647 | 17.716 | 28.827 | 2869.145 | 3332.789 | 1.763 | 2.266 | 348.536 | 1 | 14.742 |
| 10/6/2017 8:15 | 123300 | 12.647 | 17.717 | 28.825 | 2864.834 | 3327.768 | 1.76  | 2.263 | 349.06  | 1 | 14.744 |
| 10/6/2017 8:20 | 123600 | 12.65  | 17.716 | 28.832 | 2861.626 | 3324.067 | 1.758 | 2.26  | 349.452 | 1 | 14.742 |
| 10/6/2017 8:25 | 123900 | 12.653 | 17.717 | 28.84  | 2857.74  | 3319.516 | 1.756 | 2.257 | 349.927 | 1 | 14.739 |
| 10/6/2017 8:30 | 124200 | 12.657 | 17.717 | 28.849 | 2855.15  | 3316.508 | 1.754 | 2.255 | 350.244 | 1 | 14.736 |
| 10/6/2017 8:35 | 124500 | 12.656 | 17.717 | 28.847 | 2851.987 | 3312.833 | 1.752 | 2.253 | 350.633 | 1 | 14.738 |
| 10/6/2017 8:40 | 124800 | 12.653 | 17.717 | 28.839 | 2848.543 | 3308.832 | 1.75  | 2.25  | 351.057 | 1 | 14.74  |
| 10/6/2017 8:45 | 125100 | 12.65  | 17.717 | 28.834 | 2845.199 | 3304.955 | 1.747 | 2.247 | 351.469 | 1 | 14.741 |
| 10/6/2017 8:50 | 125400 | 12.649 | 17.716 | 28.83  | 2841.883 | 3301.121 | 1.745 | 2.245 | 351.879 | 1 | 14.745 |
| 10/6/2017 8:55 | 125700 | 12.645 | 17.717 | 28.821 | 2839.092 | 3297.866 | 1.743 | 2.243 | 352.225 | 1 | 14.749 |
| 10/6/2017 9:00 | 126000 | 12.645 | 17.716 | 28.816 | 2835.621 | 3293.861 | 1.741 | 2.24  | 352.656 | 1 | 14.753 |
| 10/6/2017 9:05 | 126300 | 12.645 | 17.717 | 28.821 | 2832.757 | 3290.514 | 1.739 | 2.238 | 353.013 | 1 | 14.749 |
| 10/6/2017 9:10 | 126600 | 12.648 | 17.716 | 28.829 | 2830.024 | 3287.359 | 1.738 | 2.235 | 353.354 | 1 | 14.746 |
| 10/6/2017 9:15 | 126900 | 12.652 | 17.716 | 28.838 | 2827.088 | 3283.935 | 1.736 | 2.233 | 353.721 | 1 | 14.743 |
| 10/6/2017 9:20 | 127200 | 12.648 | 17.716 | 28.829 | 2824.433 | 3280.851 | 1.734 | 2.231 | 354.053 | 1 | 14.746 |
| 10/6/2017 9:25 | 127500 | 12.645 | 17.716 | 28.822 | 2822.014 | 3278.042 | 1.732 | 2.229 | 354.357 | 1 | 14.749 |
| 10/6/2017 9:30 | 127800 | 12.643 | 17.717 | 28.817 | 2819.456 | 3274.856 | 1.731 | 2.227 | 354.7   | 1 | 14.751 |
| 10/6/2017 9:35 | 128100 | 12.645 | 17.717 | 28.821 | 2817.109 | 3272.331 | 1.729 | 2.225 | 354.974 | 1 | 14.749 |
| 10/6/2017 9:40 | 128400 | 12.647 | 17.716 | 28.826 | 28       |          |       |       |         |   |        |

|                 |        |        |        |        |           |          |       |       |         |   |        |
|-----------------|--------|--------|--------|--------|-----------|----------|-------|-------|---------|---|--------|
| 10/6/2017 20:00 | 165600 | 12.633 | 17.716 | 28.795 | 2670.462  | 3102.005 | 1.634 | 2.109 | 374.467 | 1 | 14.716 |
| 10/6/2017 20:05 | 165900 | 12.634 | 17.716 | 28.796 | 2670.199  | 3101.7   | 1.634 | 2.109 | 374.504 | 1 | 14.717 |
| 10/6/2017 20:10 | 166200 | 12.631 | 17.717 | 28.79  | 2670.027  | 3101.488 | 1.634 | 2.109 | 374.528 | 1 | 14.718 |
| 10/6/2017 20:15 | 166500 | 12.628 | 17.716 | 28.784 | 2669.061  | 3100.396 | 1.633 | 2.108 | 374.664 | 1 | 14.719 |
| 10/6/2017 20:20 | 166800 | 12.63  | 17.716 | 28.788 | 2668.207  | 3099.404 | 1.633 | 2.108 | 374.784 | 1 | 14.717 |
| 10/6/2017 20:25 | 167100 | 12.632 | 17.716 | 28.793 | 2667.945  | 3099.088 | 1.633 | 2.107 | 374.82  | 1 | 14.715 |
| 10/6/2017 20:30 | 167400 | 12.634 | 17.716 | 28.797 | 2667.851  | 3098.991 | 1.632 | 2.107 | 374.834 | 1 | 14.713 |
| 10/6/2017 20:35 | 167700 | 12.634 | 17.717 | 28.798 | 2667.348  | 3098.352 | 1.632 | 2.107 | 374.904 | 1 | 14.713 |
| 10/6/2017 20:40 | 168000 | 12.635 | 17.716 | 28.8   | 2666.656  | 3097.585 | 1.632 | 2.106 | 375.001 | 1 | 14.713 |
| 10/6/2017 20:45 | 168300 | 12.634 | 17.716 | 28.797 | 2666.039  | 3096.892 | 1.631 | 2.106 | 375.088 | 1 | 14.713 |
| 10/6/2017 20:50 | 168600 | 12.634 | 17.716 | 28.798 | 2666.237  | 3097.134 | 1.631 | 2.106 | 375.06  | 1 | 14.713 |
| 10/6/2017 20:55 | 168900 | 12.635 | 17.717 | 28.8   | 2665.055  | 3095.707 | 1.631 | 2.105 | 375.227 | 1 | 14.713 |
| 10/6/2017 21:00 | 169200 | 12.635 | 17.717 | 28.8   | 2665.089  | 3095.746 | 1.631 | 2.105 | 375.221 | 1 | 14.713 |
| 10/6/2017 21:05 | 169500 | 12.634 | 17.716 | 28.797 | 2664.99   | 3095.649 | 1.631 | 2.105 | 375.236 | 1 | 14.713 |
| 10/6/2017 21:10 | 169800 | 12.635 | 17.717 | 28.798 | 2663.87   | 3094.336 | 1.63  | 2.104 | 375.394 | 1 | 14.713 |
| 10/6/2017 21:15 | 170100 | 12.634 | 17.716 | 28.798 | 2663.878  | 3094.357 | 1.63  | 2.104 | 375.393 | 1 | 14.713 |
| 10/6/2017 21:20 | 170400 | 12.635 | 17.716 | 28.798 | 2663.347  | 3093.782 | 1.63  | 2.104 | 375.467 | 1 | 14.714 |
| 10/6/2017 21:25 | 170700 | 12.633 | 17.717 | 28.793 | 2662.876  | 3093.176 | 1.629 | 2.103 | 375.534 | 1 | 14.715 |
| 10/6/2017 21:30 | 171000 | 12.63  | 17.716 | 28.788 | 2662.885  | 3093.198 | 1.629 | 2.103 | 375.532 | 1 | 14.716 |
| 10/6/2017 21:35 | 171300 | 12.632 | 17.717 | 28.792 | 2663.08   | 3093.418 | 1.629 | 2.104 | 375.505 | 1 | 14.717 |
| 10/6/2017 21:40 | 171600 | 12.633 | 17.716 | 28.794 | 2661.866  | 3092.021 | 1.629 | 2.103 | 375.676 | 1 | 14.718 |
| 10/6/2017 21:45 | 171900 | 12.631 | 17.716 | 28.791 | 2661.512  | 3091.615 | 1.628 | 2.102 | 375.726 | 1 | 14.719 |
| 10/6/2017 21:50 | 172200 | 12.635 | 17.717 | 28.799 | 2661.797  | 3091.928 | 1.629 | 2.103 | 375.686 | 1 | 14.717 |
| 10/6/2017 21:55 | 172500 | 12.634 | 17.716 | 28.796 | 2660.891  | 3090.907 | 1.628 | 2.102 | 375.814 | 1 | 14.714 |
| 10/6/2017 22:00 | 172800 | 12.638 | 17.716 | 28.805 | 2660.401  | 3090.313 | 1.628 | 2.101 | 375.883 | 1 | 14.712 |
| 10/6/2017 22:05 | 173100 | 12.637 | 17.716 | 28.804 | 2660.117  | 3090.018 | 1.627 | 2.101 | 375.923 | 1 | 14.712 |
| 10/6/2017 22:10 | 173400 | 12.636 | 17.716 | 28.801 | 2659.826  | 3089.645 | 1.627 | 2.101 | 375.964 | 1 | 14.711 |
| 10/6/2017 22:15 | 173700 | 12.638 | 17.716 | 28.806 | 2660.015  | 3089.889 | 1.627 | 2.101 | 375.984 | 1 | 14.711 |
| 10/6/2017 22:20 | 174000 | 12.636 | 17.716 | 28.802 | 2659.69   | 3089.504 | 1.627 | 2.101 | 375.984 | 1 | 14.712 |
| 10/6/2017 22:25 | 174300 | 12.633 | 17.716 | 28.796 | 2659.373  | 3089.136 | 1.627 | 2.101 | 376.028 | 1 | 14.714 |
| 10/6/2017 22:30 | 174600 | 12.632 | 17.716 | 28.791 | 2659.112  | 3088.945 | 1.627 | 2.1   | 376.065 | 1 | 14.715 |
| 10/6/2017 22:35 | 174900 | 12.633 | 17.716 | 28.796 | 2658.453  | 3088.085 | 1.626 | 2.1   | 376.159 | 1 | 14.715 |
| 10/6/2017 22:40 | 175200 | 12.632 | 17.716 | 28.793 | 2657.963  | 3087.487 | 1.626 | 2.099 | 376.228 | 1 | 14.715 |
| 10/6/2017 22:45 | 175500 | 12.632 | 17.716 | 28.793 | 2658.324  | 3087.9   | 1.626 | 2.1   | 376.177 | 1 | 14.715 |
| 10/6/2017 22:50 | 175800 | 12.631 | 17.716 | 28.791 | 2657.549  | 3087     | 1.626 | 2.099 | 376.287 | 1 | 14.715 |
| 10/6/2017 22:55 | 176100 | 12.633 | 17.716 | 28.794 | 2657.986  | 3087.532 | 1.626 | 2.1   | 376.225 | 1 | 14.715 |
| 10/6/2017 23:00 | 176400 | 12.633 | 17.716 | 28.794 | 2657.59   | 3087.053 | 1.626 | 2.099 | 376.281 | 1 | 14.715 |
| 10/6/2017 23:05 | 176700 | 12.633 | 17.716 | 28.794 | 2657.511  | 3086.967 | 1.626 | 2.099 | 376.292 | 1 | 14.714 |
| 10/6/2017 23:10 | 177000 | 12.634 | 17.716 | 28.797 | 2657.528  | 3086.981 | 1.626 | 2.099 | 376.29  | 1 | 14.714 |
| 10/6/2017 23:15 | 177300 | 12.635 | 17.716 | 28.798 | 2659.191  | 3088.937 | 1.627 | 2.1   | 376.054 | 1 | 14.714 |
| 10/6/2017 23:20 | 177600 | 12.634 | 17.716 | 28.797 | 2668.835  | 3100.134 | 1.633 | 2.108 | 374.695 | 1 | 14.714 |
| 10/6/2017 23:25 | 177900 | 12.634 | 17.716 | 28.797 | 2684.91   | 3118.794 | 1.643 | 2.121 | 372.452 | 1 | 14.715 |
| 10/6/2017 23:30 | 178200 | 12.632 | 17.716 | 28.792 | 2701.616  | 3138.294 | 1.654 | 2.134 | 370.149 | 1 | 14.715 |
| 10/6/2017 23:35 | 178500 | 12.635 | 17.716 | 28.799 | 2717.294  | 3156.425 | 1.654 | 2.146 | 368.013 | 1 | 14.712 |
| 10/6/2017 23:40 | 178800 | 12.635 | 17.716 | 28.799 | 2732.74   | 3174.354 | 1.674 | 2.159 | 365.933 | 1 | 14.71  |
| 10/6/2017 23:45 | 179100 | 12.638 | 17.716 | 28.806 | 2748.646  | 3192.83  | 1.685 | 2.171 | 363.816 | 1 | 14.707 |
| 10/6/2017 23:50 | 179400 | 12.636 | 17.716 | 28.802 | 2762.962  | 3209.447 | 1.694 | 2.182 | 361.93  | 1 | 14.709 |
| 10/6/2017 23:55 | 179700 | 12.634 | 17.716 | 28.796 | 2777.813  | 3226.71  | 1.704 | 2.194 | 359.996 | 1 | 14.711 |
| 10/7/2017 00:00 | 180000 | 12.629 | 17.716 | 28.785 | 2791.324  | 3242.43  | 1.712 | 2.205 | 358.253 | 1 | 14.713 |
| 10/7/2017 00:05 | 180300 | 12.632 | 17.716 | 28.792 | 2804.79   | 3258.091 | 1.721 | 2.216 | 356.533 | 1 | 14.71  |
| 10/7/2017 00:10 | 180600 | 12.633 | 17.716 | 28.795 | 2818.513  | 3274.019 | 1.73  | 2.226 | 354.797 | 1 | 14.708 |
| 10/7/2017 00:15 | 180900 | 12.636 | 17.716 | 28.802 | 2831.255  | 3288.808 | 1.738 | 2.236 | 353.2   | 1 | 14.706 |
| 10/7/2017 00:20 | 181200 | 12.635 | 17.716 | 28.799 | 2843.653  | 3303.209 | 1.746 | 2.246 | 351.66  | 1 | 14.706 |
| 10/7/2017 00:25 | 181500 | 12.634 | 17.716 | 28.798 | 2856.352  | 3317.941 | 1.755 | 2.256 | 350.097 | 1 | 14.706 |
| 10/7/2017 00:30 | 181800 | 12.633 | 17.716 | 28.795 | 2867.553  | 3330.972 | 1.762 | 2.265 | 348.729 | 1 | 14.706 |
| 10/7/2017 00:35 | 182100 | 12.635 | 17.716 | 28.798 | 2879.01   | 3344.249 | 1.769 | 2.274 | 347.342 | 1 | 14.706 |
| 10/7/2017 00:40 | 182400 | 12.633 | 17.716 | 28.795 | 2890.231  | 3357.302 | 1.777 | 2.283 | 345.993 | 1 | 14.706 |
| 10/7/2017 00:45 | 182700 | 12.633 | 17.716 | 28.795 | 2901.795  | 3370.735 | 1.784 | 2.292 | 344.614 | 1 | 14.706 |
| 10/7/2017 00:50 | 183000 | 12.632 | 17.716 | 28.792 | 2912.765  | 3383.471 | 1.791 | 2.301 | 343.316 | 1 | 14.707 |
| 10/7/2017 00:55 | 183300 | 12.63  | 17.716 | 28.787 | 2923.098  | 3395.488 | 1.798 | 2.309 | 342.103 | 1 | 14.709 |
| 10/7/2017 01:00 | 183600 | 12.628 | 17.716 | 28.782 | 2934.11   | 3408.272 | 1.805 | 2.318 | 340.819 | 1 | 14.71  |
| 10/7/2017 01:05 | 183900 | 12.632 | 17.716 | 28.791 | 2944.923  | 3420.845 | 1.812 | 2.326 | 339.567 | 1 | 14.708 |
| 10/7/2017 01:10 | 184200 | 12.635 | 17.716 | 28.799 | 2955.256  | 3432.842 | 1.819 | 2.334 | 338.38  | 1 | 14.704 |
| 10/7/2017 01:15 | 184500 | 12.637 | 17.716 | 28.804 | 2965.824  | 3445.131 | 1.826 | 2.343 | 337.174 | 1 | 14.701 |
| 10/7/2017 01:20 | 184800 | 12.636 | 17.717 | 28.801 | 2974.814  | 3455.52  | 1.832 | 2.35  | 336.155 | 1 | 14.701 |
| 10/7/2017 01:25 | 185100 | 12.637 | 17.716 | 28.803 | 2984.932  | 3467.294 | 1.838 | 2.358 | 335.016 | 1 | 14.701 |
| 10/7/2017 01:30 | 185400 | 12.638 | 17.716 | 28.806 | 2993.308  | 3477.056 | 1.844 | 2.364 | 334.079 | 1 | 14.7   |
| 10/7/2017 01:35 | 185700 | 12.64  | 17.716 | 28.81  | 3003.018  | 3488.399 | 1.85  | 2.372 | 332.998 | 1 | 14.697 |
| 10/7/2017 01:40 | 186000 | 12.642 | 17.716 | 28.815 | 3012.048  | 3498.784 | 1.856 | 2.379 | 332     | 1 | 14.697 |
| 10/7/2017 01:45 | 186300 | 12.642 | 17.716 | 28.815 | 3021.229  | 3509.449 | 1.862 | 2.386 | 330.991 | 1 | 14.698 |
| 10/7/2017 01:50 | 186600 | 12.64  | 17.716 | 28.812 | 3030.531  | 3520.261 | 1.868 | 2.394 | 329.975 | 1 | 14.7   |
| 10/7/2017 01:55 | 186900 | 12.641 | 17.717 | 28.813 | 3039.752  | 3530.952 | 1.874 | 2.401 | 328.974 | 1 | 14.702 |
| 10/7/2017 02:00 | 187200 | 12.64  | 17.716 | 28.81  | 3047.865  | 3540.41  | 1.879 | 2.407 | 328.098 | 1 | 14.704 |
| 10/7/2017 02:05 | 187500 | 12.641 | 17.716 | 28.813 | 3056.617  | 3550.597 | 1.885 | 2.414 | 327.159 | 1 | 14.705 |
| 10/7/2017 02:10 | 187800 | 12.641 | 17.716 | 28.813 | 3065.745  | 3561.172 | 1.891 | 2.422 | 326.185 | 1 | 14.704 |
| 10/7/2017 02:15 | 188100 | 12.642 | 17.716 | 28.816 | 3073.349  | 3570.02  | 1.896 | 2.428 | 325.378 | 1 | 14.703 |
| 10/7/2017 02:20 | 188400 | 12.642 | 17.716 | 28.815 | 3080.52   | 3578.355 | 1.901 | 2.433 | 324.621 | 1 | 14.703 |
| 10/7/2017 02:25 | 188700 | 12.641 | 17.716 | 28.812 | 3087.943  | 3586.972 | 1.906 | 2.439 | 323.84  | 1 | 14.704 |
| 10/7/2017 02:30 | 189000 | 12.64  | 17.717 | 28.811 | 3095.561  | 3595.785 | 1.91  | 2.445 | 323.043 | 1 | 14.704 |
| 10/7/2017 02:35 | 189300 | 12.639 | 17.716 | 28.809 | 3102.222  | 3603.571 | 1.915 | 2.45  | 322.35  | 1 | 14.705 |
| 10/7/2017 02:40 | 189600 | 12.639 | 17.717 | 28.808 | 3108.32   | 3610.593 | 1.919 | 2.455 | 321.717 | 1 | 14.704 |
| 10/7/2017 02:45 | 189900 | 12.639 | 17.716 | 28.809 | 3114.311  | 3617.586 | 1.923 | 2.46  | 321.098 | 1 | 14.703 |
| 10/7/2017 02:50 | 190200 | 12.639 | 17.716 | 28.809 | 3119.734  | 3623.907 | 1.926 | 2.464 | 320.54  | 1 | 14.701 |
| 10/7/2017 02:55 | 190500 | 12.642 | 17.716 | 28.816 | 3124.707  | 3629.69  | 1.93  | 2.468 | 320.03  | 1 | 14.698 |
| 10/7/2017 03:00 | 190800 | 12.643 | 17.717 | 28.818 | 3130.479  | 3636.332 | 1.933 | 2.473 | 319.44  | 1 | 14.695 |
| 10/7/2017 03:05 | 191100 | 12.641 | 17.716 | 28.813 | 31361.649 | 3643.936 | 1.936 | 2.476 | 318.978 | 1 | 14.696 |
| 10/7/2017 03:10 | 191400 | 12.638 | 17.716 | 28.806 | 3140.215  | 3647.677 | 1.94  | 2.48  | 318.45  | 1 | 14.699 |
| 10              |        |        |        |        |           |          |       |       |         |   |        |

|                 |        |        |       |        |          |          |       |       |         |   |        |
|-----------------|--------|--------|-------|--------|----------|----------|-------|-------|---------|---|--------|
| 10/7/2017 13:35 | 228900 | 12.645 | 17716 | 28.822 | 2809.68  | 3263.727 | 1.724 | 2.219 | 355.912 | 1 | 14.669 |
| 10/7/2017 13:40 | 229200 | 12.643 | 17716 | 28.818 | 2808.536 | 3262.423 | 1.724 | 2.218 | 356.057 | 1 | 14.671 |
| 10/7/2017 13:45 | 229500 | 12.641 | 17716 | 28.812 | 2807.542 | 3261.258 | 1.723 | 2.218 | 356.183 | 1 | 14.672 |
| 10/7/2017 13:50 | 229800 | 12.64  | 17716 | 28.81  | 2806.106 | 3259.569 | 1.722 | 2.217 | 356.366 | 1 | 14.671 |
| 10/7/2017 13:55 | 230100 | 12.64  | 17716 | 28.811 | 2804.571 | 3257.799 | 1.721 | 2.215 | 356.561 | 1 | 14.669 |
| 10/7/2017 14:00 | 230400 | 12.642 | 17716 | 28.816 | 2803.669 | 3256.744 | 1.72  | 2.215 | 356.676 | 1 | 14.668 |
| 10/7/2017 14:05 | 230700 | 12.64  | 17716 | 28.814 | 2802.101 | 3254.97  | 1.719 | 2.213 | 356.875 | 1 | 14.669 |
| 10/7/2017 14:10 | 231000 | 12.637 | 17716 | 28.804 | 2801.873 | 3254.671 | 1.719 | 2.213 | 356.904 | 1 | 14.671 |
| 10/7/2017 14:15 | 231300 | 12.635 | 17716 | 28.799 | 2800.384 | 3252.942 | 1.718 | 2.212 | 357.094 | 1 | 14.673 |
| 10/7/2017 14:20 | 231600 | 12.638 | 17716 | 28.807 | 2799.545 | 3251.968 | 1.718 | 2.211 | 357.201 | 1 | 14.67  |
| 10/7/2017 14:25 | 231900 | 12.643 | 17716 | 28.816 | 2799.159 | 3251.493 | 1.717 | 2.211 | 357.25  | 1 | 14.667 |
| 10/7/2017 14:30 | 232200 | 12.645 | 17716 | 28.822 | 2804.978 | 3258.29  | 1.721 | 2.216 | 356.509 | 1 | 14.665 |
| 10/7/2017 14:35 | 232500 | 12.644 | 17716 | 28.819 | 2813.375 | 3272.711 | 1.722 | 2.225 | 354.94  | 1 | 14.665 |
| 10/7/2017 14:40 | 232800 | 12.647 | 17716 | 28.825 | 2832.076 | 3289.749 | 1.739 | 2.237 | 353.098 | 1 | 14.665 |
| 10/7/2017 14:45 | 233100 | 12.64  | 17716 | 28.811 | 2848.39  | 3308.699 | 1.749 | 2.25  | 351.076 | 1 | 14.665 |
| 10/7/2017 14:50 | 233400 | 12.643 | 17716 | 28.817 | 2863.087 | 3325.79  | 1.759 | 2.262 | 349.273 | 1 | 14.664 |
| 10/7/2017 14:55 | 233700 | 12.642 | 17716 | 28.815 | 2876.524 | 3341.386 | 1.768 | 2.272 | 347.642 | 1 | 14.663 |
| 10/7/2017 15:00 | 234000 | 12.644 | 17716 | 28.82  | 2890.245 | 3357.364 | 1.777 | 2.283 | 345.991 | 1 | 14.661 |
| 10/7/2017 15:05 | 234300 | 12.644 | 17716 | 28.82  | 2903.478 | 3372.709 | 1.785 | 2.293 | 344.414 | 1 | 14.661 |
| 10/7/2017 15:10 | 234600 | 12.642 | 17716 | 28.814 | 2916.615 | 3387.968 | 1.794 | 2.304 | 342.863 | 1 | 14.661 |
| 10/7/2017 15:15 | 234900 | 12.643 | 17716 | 28.817 | 2928.675 | 3401.991 | 1.802 | 2.313 | 341.451 | 1 | 14.661 |
| 10/7/2017 15:20 | 235200 | 12.645 | 17716 | 28.822 | 2940.511 | 3415.734 | 1.809 | 2.323 | 340.077 | 1 | 14.66  |
| 10/7/2017 15:25 | 235500 | 12.645 | 17715 | 28.821 | 2952.023 | 3429.133 | 1.817 | 2.332 | 338.751 | 1 | 14.659 |
| 10/7/2017 15:30 | 235800 | 12.65  | 17716 | 28.834 | 2963.978 | 3442.974 | 1.825 | 2.341 | 337.384 | 1 | 14.658 |
| 10/7/2017 15:35 | 236100 | 12.646 | 17716 | 28.824 | 2974.012 | 3454.63  | 1.831 | 2.349 | 336.246 | 1 | 14.659 |
| 10/7/2017 15:40 | 236400 | 12.645 | 17716 | 28.821 | 2984.047 | 3466.298 | 1.838 | 2.357 | 335.115 | 1 | 14.66  |
| 10/7/2017 15:45 | 236700 | 12.642 | 17716 | 28.816 | 2994.529 | 3478.481 | 1.845 | 2.365 | 333.942 | 1 | 14.661 |
| 10/7/2017 15:50 | 237000 | 12.641 | 17716 | 28.814 | 3003.79  | 3489.239 | 1.851 | 2.373 | 332.913 | 1 | 14.661 |
| 10/7/2017 15:55 | 237300 | 12.642 | 17716 | 28.816 | 3013.508 | 3500.514 | 1.857 | 2.38  | 331.839 | 1 | 14.661 |
| 10/7/2017 16:00 | 237600 | 12.642 | 17716 | 28.814 | 3023.128 | 3511.689 | 1.863 | 2.388 | 330.783 | 1 | 14.66  |
| 10/7/2017 16:05 | 237900 | 12.643 | 17716 | 28.817 | 3031.546 | 3521.467 | 1.869 | 2.395 | 329.865 | 1 | 14.661 |
| 10/7/2017 16:10 | 238200 | 12.641 | 17716 | 28.813 | 3041.393 | 3532.905 | 1.875 | 2.402 | 328.797 | 1 | 14.662 |
| 10/7/2017 16:15 | 238500 | 12.638 | 17716 | 28.807 | 3050.083 | 3543.028 | 1.881 | 2.409 | 327.86  | 1 | 14.662 |
| 10/7/2017 16:20 | 238800 | 12.641 | 17716 | 28.812 | 3058.187 | 3552.408 | 1.886 | 2.416 | 326.991 | 1 | 14.662 |
| 10/7/2017 16:25 | 239100 | 12.643 | 17716 | 28.817 | 3067.67  | 3563.429 | 1.892 | 2.423 | 325.98  | 1 | 14.661 |
| 10/7/2017 16:30 | 239400 | 12.642 | 17716 | 28.815 | 3075.212 | 3572.19  | 1.897 | 2.429 | 325.181 | 1 | 14.661 |
| 10/7/2017 16:35 | 239700 | 12.644 | 17716 | 28.82  | 3083.505 | 3581.852 | 1.903 | 2.436 | 324.306 | 1 | 14.66  |
| 10/7/2017 16:40 | 240000 | 12.644 | 17716 | 28.82  | 3090.193 | 3589.606 | 1.907 | 2.441 | 323.604 | 1 | 14.66  |
| 10/7/2017 16:45 | 240300 | 12.643 | 17716 | 28.817 | 3097.676 | 3598.284 | 1.912 | 2.447 | 322.823 | 1 | 14.659 |
| 10/7/2017 16:50 | 240600 | 12.644 | 17716 | 28.819 | 3104.63  | 3606.369 | 1.916 | 2.452 | 322.1   | 1 | 14.659 |
| 10/7/2017 16:55 | 240900 | 12.645 | 17716 | 28.822 | 3112.165 | 3615.129 | 1.921 | 2.458 | 321.32  | 1 | 14.659 |
| 10/7/2017 17:00 | 241200 | 12.644 | 17716 | 28.819 | 3119.788 | 3623.977 | 1.926 | 2.464 | 320.535 | 1 | 14.659 |
| 10/7/2017 17:05 | 241500 | 12.645 | 17716 | 28.823 | 3127.288 | 3632.702 | 1.931 | 2.47  | 319.766 | 1 | 14.657 |
| 10/7/2017 17:10 | 241800 | 12.647 | 17716 | 28.826 | 3133.566 | 3639.995 | 1.935 | 2.475 | 319.125 | 1 | 14.655 |
| 10/7/2017 17:15 | 242100 | 12.649 | 17716 | 28.832 | 3140.531 | 3648.059 | 1.94  | 2.481 | 318.418 | 1 | 14.653 |
| 10/7/2017 17:20 | 242400 | 12.651 | 17716 | 28.835 | 3146.824 | 3655.347 | 1.944 | 2.486 | 317.781 | 1 | 14.651 |
| 10/7/2017 17:25 | 242700 | 12.653 | 17716 | 28.839 | 3153.178 | 3662.778 | 1.948 | 2.491 | 317.14  | 1 | 14.65  |
| 10/7/2017 17:30 | 243000 | 12.653 | 17716 | 28.841 | 3157.954 | 3668.333 | 1.951 | 2.494 | 316.661 | 1 | 14.648 |
| 10/7/2017 17:35 | 243300 | 12.652 | 17716 | 28.838 | 3164.439 | 3675.837 | 1.956 | 2.5   | 316.012 | 1 | 14.649 |
| 10/7/2017 17:40 | 243600 | 12.651 | 17716 | 28.836 | 3170.42  | 3682.77  | 1.959 | 2.504 | 315.416 | 1 | 14.649 |
| 10/7/2017 17:45 | 243900 | 12.649 | 17716 | 28.83  | 3176.341 | 3689.626 | 1.963 | 2.509 | 314.828 | 1 | 14.65  |
| 10/7/2017 17:50 | 244200 | 12.645 | 17716 | 28.822 | 3182.301 | 3696.579 | 1.967 | 2.514 | 314.238 | 1 | 14.651 |
| 10/7/2017 17:55 | 244500 | 12.644 | 17716 | 28.82  | 3187.164 | 3702.234 | 1.97  | 2.518 | 313.759 | 1 | 14.652 |
| 10/7/2017 18:00 | 244800 | 12.644 | 17716 | 28.821 | 3192.786 | 3708.759 | 1.974 | 2.522 | 313.206 | 1 | 14.654 |
| 10/7/2017 18:05 | 245100 | 12.645 | 17716 | 28.821 | 3196.951 | 3713.618 | 1.977 | 2.525 | 312.798 | 1 | 14.652 |
| 10/7/2017 18:10 | 245400 | 12.643 | 17716 | 28.817 | 3203.011 | 3720.636 | 1.981 | 2.53  | 312.206 | 1 | 14.65  |
| 10/7/2017 18:15 | 245700 | 12.645 | 17716 | 28.821 | 3207.342 | 3725.673 | 1.984 | 2.533 | 311.785 | 1 | 14.649 |
| 10/7/2017 18:20 | 246000 | 12.647 | 17716 | 28.826 | 3211.433 | 3730.44  | 1.986 | 2.537 | 311.387 | 1 | 14.646 |
| 10/7/2017 18:25 | 246300 | 12.649 | 17716 | 28.831 | 3216.696 | 3736.569 | 1.99  | 2.541 | 310.878 | 1 | 14.643 |
| 10/7/2017 18:30 | 246600 | 12.651 | 17716 | 28.836 | 3220.146 | 3740.531 | 1.992 | 2.544 | 310.545 | 1 | 14.64  |
| 10/7/2017 18:35 | 246900 | 12.651 | 17717 | 28.835 | 3225.411 | 3746.818 | 1.995 | 2.548 | 310.038 | 1 | 14.641 |
| 10/7/2017 18:40 | 247200 | 12.65  | 17716 | 28.833 | 3229.829 | 3751.803 | 1.998 | 2.551 | 309.614 | 1 | 14.64  |
| 10/7/2017 18:45 | 247500 | 12.647 | 17716 | 28.827 | 3234.992 | 3757.786 | 2.002 | 2.555 | 309.12  | 1 | 14.644 |
| 10/7/2017 18:50 | 247800 | 12.65  | 17716 | 28.834 | 3238.728 | 3762.139 | 2.004 | 2.558 | 308.763 | 1 | 14.642 |
| 10/7/2017 18:55 | 248100 | 12.651 | 17716 | 28.835 | 3243.143 | 3767.238 | 2.007 | 2.562 | 308.343 | 1 | 14.641 |
| 10/7/2017 19:00 | 248400 | 12.651 | 17716 | 28.834 | 3247.573 | 3772.406 | 2.01  | 2.565 | 307.922 | 1 | 14.639 |
| 10/7/2017 19:05 | 248700 | 12.651 | 17716 | 28.835 | 3251.461 | 3776.938 | 2.013 | 2.568 | 307.554 | 1 | 14.638 |
| 10/7/2017 19:10 | 249000 | 12.654 | 17716 | 28.841 | 3255.344 | 3779.211 | 2.014 | 2.57  | 307.127 | 1 | 14.637 |
| 10/7/2017 19:15 | 249300 | 12.655 | 17716 | 28.845 | 3256.744 | 3783.038 | 2.016 | 2.572 | 307.055 | 1 | 14.634 |
| 10/7/2017 19:20 | 249600 | 12.655 | 17716 | 28.844 | 3259.529 | 3786.287 | 2.018 | 2.575 | 306.793 | 1 | 14.634 |
| 10/7/2017 19:25 | 249900 | 12.657 | 17716 | 28.848 | 3263.032 | 3790.378 | 2.02  | 2.577 | 306.463 | 1 | 14.634 |
| 10/7/2017 19:30 | 250200 | 12.657 | 17716 | 28.849 | 3266.187 | 3794.05  | 2.022 | 2.58  | 306.167 | 1 | 14.634 |
| 10/7/2017 19:35 | 250500 | 12.656 | 17716 | 28.847 | 3269.056 | 3797.346 | 2.024 | 2.582 | 305.899 | 1 | 14.639 |
| 10/7/2017 19:40 | 250800 | 12.653 | 17716 | 28.84  | 3269.823 | 3798.237 | 2.025 | 2.583 | 305.827 | 1 | 14.639 |
| 10/7/2017 19:45 | 251100 | 12.65  | 17716 | 28.832 | 3271.986 | 3800.764 | 2.026 | 2.585 | 305.625 | 1 | 14.648 |
| 10/7/2017 19:50 | 251400 | 12.653 | 17716 | 28.841 | 3273.69  | 3802.738 | 2.027 | 2.586 | 305.466 | 1 | 14.646 |
| 10/7/2017 19:55 | 251700 | 12.657 | 17716 | 28.85  | 3274.24  | 3803.375 | 2.028 | 2.586 | 305.414 | 1 | 14.644 |
| 10/7/2017 20:00 | 252000 | 12.66  | 17716 | 28.857 | 3275.089 | 3804.399 | 2.028 | 2.587 | 305.335 | 1 | 14.642 |
| 10/7/2017 20:05 | 252300 | 12.658 | 17715 | 28.851 | 3276.059 | 3805.54  | 2.029 | 2.588 | 305.245 | 1 | 14.644 |
| 10/7/2017 20:10 | 252600 | 12.658 | 17716 | 28.851 | 3276.742 | 3806.282 | 2.029 | 2.588 | 305.181 | 1 | 14.646 |
| 10/7/2017 20:15 | 252900 | 12.658 | 17716 | 28.852 | 3277.886 | 3807.633 | 2.03  | 2.589 | 305.075 | 1 | 14.648 |
| 10/7/2017 20:20 | 253200 | 12.657 | 17716 | 28.85  | 3279.168 | 3809.106 | 2.031 | 2.59  | 304.955 | 1 | 14.65  |
| 10/7/2017 20:25 | 253500 | 12.656 | 17716 | 28.847 | 3280.601 | 3810.771 | 2.032 | 2.591 | 304.822 | 1 | 14.651 |
| 10/7/2017 20:30 | 253800 | 12.657 | 17716 | 28.85  | 3282.273 | 3812.744 | 2.033 | 2.593 | 304.667 | 1 | 14.652 |
| 10/7/2017 20:35 | 254100 | 12.655 | 17716 | 28.845 | 3284.425 | 3815.207 | 2.034 | 2.594 | 304.467 | 1 | 14.654 |
| 10/7/2017 20:40 | 254400 | 12.655 | 17716 | 28.844 | 3286.25  | 3817.344 | 2.035 | 2.596 | 304.298 | 1 | 14.655 |
| 10/7/2017 20:45 | 254700 | 12.656 | 17717 | 28.847 | 3288.718 | 3820.141 | 2.037 | 2.598 | 304.07  | 1 | 14.656 |
| 10/7/2017 20:50 | 255000 | 12.656 | 17716 | 28.847 | 3290.045 |          |       |       |         |   |        |

|                 |        |        |       |        |           |          |       |       |         |   |        |
|-----------------|--------|--------|-------|--------|-----------|----------|-------|-------|---------|---|--------|
| 10/8/2017 7:10  | 292200 | 12.678 | 17716 | 28.897 | 3351.958  | 3893.668 | 2.079 | 2.648 | 298.333 | 1 | 14.634 |
| 10/8/2017 7:15  | 292500 | 12.683 | 17716 | 28.909 | 3351.182  | 3892.752 | 2.078 | 2.647 | 298.402 | 1 | 14.633 |
| 10/8/2017 7:20  | 292800 | 12.685 | 17716 | 28.913 | 3351.473  | 3893.091 | 2.078 | 2.647 | 298.376 | 1 | 14.632 |
| 10/8/2017 7:25  | 293100 | 12.685 | 17716 | 28.912 | 3352.311  | 3894.102 | 2.079 | 2.648 | 298.302 | 1 | 14.632 |
| 10/8/2017 7:30  | 293400 | 12.685 | 17716 | 28.914 | 3351.659  | 3893.329 | 2.078 | 2.647 | 298.36  | 1 | 14.631 |
| 10/8/2017 7:35  | 293700 | 12.684 | 17716 | 28.911 | 3351.81   | 3893.52  | 2.078 | 2.648 | 298.346 | 1 | 14.633 |
| 10/8/2017 7:40  | 294000 | 12.684 | 17716 | 28.91  | 3352.009  | 3893.757 | 2.079 | 2.648 | 298.329 | 1 | 14.648 |
| 10/8/2017 7:45  | 294300 | 12.683 | 17715 | 28.909 | 3352.557  | 3894.408 | 2.079 | 2.648 | 298.28  | 1 | 14.636 |
| 10/8/2017 7:50  | 294600 | 12.684 | 17716 | 28.911 | 3352.984  | 3894.875 | 2.079 | 2.649 | 298.242 | 1 | 14.635 |
| 10/8/2017 7:55  | 294900 | 12.683 | 17716 | 28.909 | 3352.915  | 3894.794 | 2.079 | 2.648 | 298.248 | 1 | 14.634 |
| 10/8/2017 8:00  | 295200 | 12.684 | 17715 | 28.912 | 3354.136  | 3896.252 | 2.08  | 2.649 | 298.139 | 1 | 14.634 |
| 10/8/2017 8:05  | 295500 | 12.684 | 17716 | 28.911 | 3353.074  | 3894.964 | 2.079 | 2.649 | 298.234 | 1 | 14.633 |
| 10/8/2017 8:10  | 295800 | 12.686 | 17716 | 28.914 | 3353.524  | 3895.487 | 2.08  | 2.649 | 298.134 | 1 | 14.632 |
| 10/8/2017 8:15  | 296100 | 12.688 | 17716 | 28.92  | 3354.74   | 3896.906 | 2.08  | 2.65  | 298.086 | 1 | 14.632 |
| 10/8/2017 8:20  | 296400 | 12.687 | 17716 | 28.918 | 3355.064  | 3897.3   | 2.081 | 2.65  | 298.057 | 1 | 14.634 |
| 10/8/2017 8:25  | 296700 | 12.686 | 17716 | 28.915 | 3354.636  | 3896.771 | 2.08  | 2.65  | 298.075 | 1 | 14.637 |
| 10/8/2017 8:30  | 297000 | 12.683 | 17715 | 28.907 | 3354.527  | 3896.705 | 2.08  | 2.65  | 298.105 | 1 | 14.639 |
| 10/8/2017 8:35  | 297300 | 12.682 | 17716 | 28.907 | 3354.397  | 3896.509 | 2.08  | 2.65  | 298.116 | 1 | 14.64  |
| 10/8/2017 8:40  | 297600 | 12.682 | 17715 | 28.907 | 3354.896  | 3897.118 | 2.081 | 2.65  | 298.072 | 1 | 14.64  |
| 10/8/2017 8:45  | 297900 | 12.683 | 17716 | 28.908 | 3355.736  | 3898.072 | 2.081 | 2.651 | 297.997 | 1 | 14.64  |
| 10/8/2017 8:50  | 298200 | 12.685 | 17716 | 28.913 | 3355.571  | 3897.872 | 2.081 | 2.651 | 298.012 | 1 | 14.64  |
| 10/8/2017 8:55  | 298500 | 12.685 | 17716 | 28.914 | 3355.855  | 3898.203 | 2.081 | 2.651 | 297.987 | 1 | 14.639 |
| 10/8/2017 9:00  | 298800 | 12.687 | 17716 | 28.918 | 3356.145  | 3898.524 | 2.081 | 2.651 | 297.961 | 1 | 14.639 |
| 10/8/2017 9:05  | 299100 | 12.686 | 17716 | 28.915 | 3356.621  | 3899.108 | 2.082 | 2.651 | 297.919 | 1 | 14.639 |
| 10/8/2017 9:10  | 299400 | 12.687 | 17716 | 28.917 | 3357.13   | 3899.49  | 2.082 | 2.652 | 297.874 | 1 | 14.64  |
| 10/8/2017 9:15  | 299700 | 12.689 | 17715 | 28.921 | 3357.301  | 3899.912 | 2.082 | 2.652 | 297.858 | 1 | 14.64  |
| 10/8/2017 9:20  | 300000 | 12.688 | 17716 | 28.921 | 3356.847  | 3899.362 | 2.082 | 2.652 | 297.899 | 1 | 14.64  |
| 10/8/2017 9:25  | 300300 | 12.69  | 17716 | 28.925 | 3356.687  | 3899.153 | 2.082 | 2.651 | 297.913 | 1 | 14.639 |
| 10/8/2017 9:30  | 300600 | 12.689 | 17716 | 28.923 | 3356.88   | 3899.385 | 2.082 | 2.652 | 297.896 | 1 | 14.639 |
| 10/8/2017 9:35  | 300900 | 12.688 | 17716 | 28.92  | 3357.773  | 3900.415 | 2.082 | 2.652 | 297.816 | 1 | 14.64  |
| 10/8/2017 9:40  | 301200 | 12.686 | 17716 | 28.915 | 3358.445  | 3901.227 | 2.083 | 2.653 | 297.757 | 1 | 14.642 |
| 10/8/2017 9:45  | 301500 | 12.682 | 17716 | 28.905 | 3358.746  | 3901.561 | 2.083 | 2.653 | 297.73  | 1 | 14.644 |
| 10/8/2017 9:50  | 301800 | 12.684 | 17715 | 28.91  | 3358.295  | 3901.067 | 2.083 | 2.653 | 297.77  | 1 | 14.641 |
| 10/8/2017 9:55  | 302100 | 12.685 | 17715 | 28.912 | 3357.866  | 3900.576 | 2.082 | 2.652 | 297.808 | 1 | 14.639 |
| 10/8/2017 10:00 | 302400 | 12.685 | 17715 | 28.914 | 3358.897  | 3901.774 | 2.083 | 2.653 | 297.717 | 1 | 14.636 |
| 10/8/2017 10:05 | 302700 | 12.687 | 17716 | 28.916 | 3359.825  | 3902.821 | 2.084 | 2.654 | 297.635 | 1 | 14.636 |
| 10/8/2017 10:10 | 303000 | 12.686 | 17716 | 28.916 | 3360.2179 | 3903.241 | 2.084 | 2.654 | 297.603 | 1 | 14.637 |
| 10/8/2017 10:15 | 303300 | 12.683 | 17716 | 28.909 | 3359.692  | 3902.651 | 2.084 | 2.654 | 297.646 | 1 | 14.637 |
| 10/8/2017 10:20 | 303600 | 12.686 | 17716 | 28.916 | 3361.535  | 3904.784 | 2.085 | 2.655 | 297.483 | 1 | 14.634 |
| 10/8/2017 10:25 | 303900 | 12.69  | 17716 | 28.924 | 3361.003  | 3904.161 | 2.085 | 2.655 | 297.53  | 1 | 14.631 |
| 10/8/2017 10:30 | 304200 | 12.693 | 17716 | 28.93  | 3361.461  | 3904.736 | 2.085 | 2.655 | 297.49  | 1 | 14.629 |
| 10/8/2017 10:35 | 304500 | 12.69  | 17716 | 28.926 | 3361.57   | 3904.848 | 2.085 | 2.655 | 297.48  | 1 | 14.629 |
| 10/8/2017 10:40 | 304800 | 12.688 | 17716 | 28.92  | 3362.269  | 3905.583 | 2.086 | 2.656 | 297.424 | 1 | 14.63  |
| 10/8/2017 10:45 | 305100 | 12.687 | 17716 | 28.918 | 3363.242  | 3906.775 | 2.086 | 2.657 | 297.332 | 1 | 14.631 |
| 10/8/2017 10:50 | 305400 | 12.686 | 17716 | 28.915 | 3363.156  | 3906.699 | 2.086 | 2.657 | 297.34  | 1 | 14.632 |
| 10/8/2017 10:55 | 305700 | 12.687 | 17716 | 28.917 | 3363.914  | 3907.586 | 2.086 | 2.657 | 297.273 | 1 | 14.634 |
| 10/8/2017 11:00 | 306000 | 12.682 | 17716 | 28.907 | 3364.224  | 3907.94  | 2.087 | 2.657 | 297.245 | 1 | 14.635 |
| 10/8/2017 11:05 | 306300 | 12.684 | 17716 | 28.91  | 3365.625  | 3909.551 | 2.088 | 2.658 | 297.122 | 1 | 14.633 |
| 10/8/2017 11:10 | 306600 | 12.687 | 17716 | 28.917 | 3365.37   | 3909.278 | 2.087 | 2.658 | 297.144 | 1 | 14.64  |
| 10/8/2017 11:15 | 306900 | 12.691 | 17716 | 28.928 | 3365.409  | 3909.293 | 2.087 | 2.658 | 297.141 | 1 | 14.627 |
| 10/8/2017 11:20 | 307200 | 12.691 | 17715 | 28.927 | 3366.63   | 3910.765 | 2.088 | 2.659 | 297.033 | 1 | 14.628 |
| 10/8/2017 11:25 | 307500 | 12.689 | 17716 | 28.921 | 3366.558  | 3910.62  | 2.088 | 2.659 | 297.039 | 1 | 14.629 |
| 10/8/2017 11:30 | 307800 | 12.69  | 17716 | 28.924 | 3368.532  | 3912.935 | 2.089 | 2.661 | 296.865 | 1 | 14.63  |
| 10/8/2017 11:35 | 308100 | 12.689 | 17716 | 28.921 | 3368.39   | 3912.779 | 2.089 | 2.661 | 296.878 | 1 | 14.63  |
| 10/8/2017 11:40 | 308400 | 12.688 | 17716 | 28.919 | 3369.009  | 3913.498 | 2.09  | 2.661 | 296.823 | 1 | 14.63  |
| 10/8/2017 11:45 | 308700 | 12.686 | 17716 | 28.916 | 3370.995  | 3915.797 | 2.091 | 2.663 | 296.648 | 1 | 14.63  |
| 10/8/2017 11:50 | 309000 | 12.687 | 17716 | 28.918 | 3371.298  | 3916.148 | 2.091 | 2.663 | 296.622 | 1 | 14.628 |
| 10/8/2017 11:55 | 309300 | 12.69  | 17716 | 28.923 | 3372.623  | 3917.703 | 2.092 | 2.664 | 296.505 | 1 | 14.627 |
| 10/8/2017 12:00 | 309600 | 12.69  | 17716 | 28.925 | 3373.104  | 3918.261 | 2.092 | 2.664 | 296.463 | 1 | 14.626 |
| 10/8/2017 12:05 | 309900 | 12.691 | 17716 | 28.926 | 3373.604  | 3918.82  | 2.093 | 2.665 | 296.419 | 1 | 14.625 |
| 10/8/2017 12:10 | 310200 | 12.691 | 17715 | 28.928 | 3374.492  | 3919.806 | 2.093 | 2.666 | 296.341 | 1 | 14.625 |
| 10/8/2017 12:15 | 310500 | 12.69  | 17716 | 28.925 | 3374.814  | 3920.25  | 2.094 | 2.666 | 296.313 | 1 | 14.621 |
| 10/8/2017 12:20 | 310800 | 12.689 | 17716 | 28.923 | 3376.061  | 3921.666 | 2.094 | 2.667 | 296.203 | 1 | 14.627 |
| 10/8/2017 12:25 | 311100 | 12.688 | 17716 | 28.921 | 3376.597  | 3922.274 | 2.095 | 2.667 | 296.156 | 1 | 14.629 |
| 10/8/2017 12:30 | 311400 | 12.688 | 17716 | 28.92  | 3376.792  | 3922.53  | 2.095 | 2.667 | 296.139 | 1 | 14.63  |
| 10/8/2017 12:35 | 311700 | 12.69  | 17716 | 28.924 | 3376.797  | 3922.521 | 2.095 | 2.667 | 296.139 | 1 | 14.63  |
| 10/8/2017 12:40 | 312000 | 12.691 | 17716 | 28.926 | 3377.293  | 3923.096 | 2.095 | 2.668 | 296.095 | 1 | 14.629 |
| 10/8/2017 12:45 | 312300 | 12.692 | 17716 | 28.929 | 3377.267  | 3923.029 | 2.095 | 2.668 | 296.097 | 1 | 14.629 |
| 10/8/2017 12:50 | 312600 | 12.692 | 17716 | 28.93  | 3378.067  | 3923.996 | 2.096 | 2.668 | 296.027 | 1 | 14.628 |
| 10/8/2017 12:55 | 312900 | 12.688 | 17716 | 28.92  | 3377.928  | 3923.858 | 2.096 | 2.668 | 296.039 | 1 | 14.628 |
| 10/8/2017 13:00 | 313200 | 12.69  | 17716 | 28.924 | 3378.067  | 3924.011 | 2.096 | 2.668 | 296.027 | 1 | 14.629 |
| 10/8/2017 13:05 | 313500 | 12.69  | 17715 | 28.924 | 3377.078  | 3922.901 | 2.095 | 2.668 | 296.114 | 1 | 14.627 |
| 10/8/2017 13:10 | 313800 | 12.692 | 17716 | 28.928 | 3378.384  | 3924.364 | 2.096 | 2.669 | 296     | 1 | 14.625 |
| 10/8/2017 13:15 | 314100 | 12.693 | 17716 | 28.932 | 3377.913  | 3923.832 | 2.096 | 2.668 | 296.041 | 1 | 14.623 |
| 10/8/2017 13:20 | 314400 | 12.695 | 17715 | 28.935 | 3378.431  | 3924.458 | 2.096 | 2.669 | 295.995 | 1 | 14.622 |
| 10/8/2017 13:25 | 314700 | 12.696 | 17716 | 28.938 | 3378.365  | 3924.367 | 2.096 | 2.669 | 296.001 | 1 | 14.621 |
| 10/8/2017 13:30 | 315000 | 12.696 | 17715 | 28.939 | 3378.614  | 3924.677 | 2.096 | 2.669 | 295.979 | 1 | 14.62  |
| 10/8/2017 13:35 | 315300 | 12.699 | 17716 | 28.944 | 3377.617  | 3923.466 | 2.095 | 2.668 | 296.067 | 1 | 14.618 |
| 10/8/2017 13:40 | 315600 | 12.7   | 17716 | 28.947 | 3378.674  | 3924.701 | 2.096 | 2.669 | 295.974 | 1 | 14.616 |
| 10/8/2017 13:45 | 315900 | 12.701 | 17716 | 28.949 | 3378.572  | 3924.597 | 2.096 | 2.669 | 295.983 | 1 | 14.613 |
| 10/8/2017 13:50 | 316200 | 12.698 | 17716 | 28.942 | 3378.604  | 3924.65  | 2.096 | 2.669 | 295.98  | 1 | 14.617 |
| 10/8/2017 13:55 | 316500 | 12.699 | 17716 | 28.945 | 3379.36   | 3925.529 | 2.097 | 2.669 | 295.914 | 1 | 14.62  |
| 10/8/2017 14:00 | 316800 | 12.691 | 17715 | 28.926 | 3378.808  | 3924.902 | 2.096 | 2.669 | 295.962 | 1 | 14.623 |
| 10/8/2017 14:05 | 317100 | 12.692 | 17715 | 28.93  | 3378.978  | 3925.116 | 2.096 | 2.669 | 295.947 | 1 | 14.622 |
| 10/8/2017 14:10 | 317400 | 12.692 | 17716 | 28.93  | 3379.08   | 3925.188 | 2.096 | 2.669 | 295.939 | 1 | 14.62  |
| 10/8/2017 14:15 | 317700 | 12.694 | 17715 | 28.933 | 3379.582  | 3925.267 | 2.097 | 2.67  | 295.895 | 1 | 14.619 |
| 10/8/2017 14:20 | 318000 | 12.695 | 17716 | 28.935 | 3379.825  | 3926.054 | 2.097 | 2.67  | 295.873 | 1 | 14.618 |
| 10/8/2017 14:25 | 318300 | 12.694 | 17716 | 28.934 | 3379.251  | 3925.402 | 2.097 | 2.669 | 295.924 | 1 |        |

|                |        |        |        |        |          |          |       |       |         |   |        |
|----------------|--------|--------|--------|--------|----------|----------|-------|-------|---------|---|--------|
| 10/9/2017 0:45 | 355500 | 12:706 | 17:716 | 28:961 | 3372:031 | 3917:015 | 2:092 | 2:664 | 296:557 | 1 | 14:63  |
| 10/9/2017 0:50 | 355800 | 12:711 | 17:716 | 28:972 | 3372:385 | 3917:42  | 2:092 | 2:664 | 296:526 | 1 | 14:628 |
| 10/9/2017 0:55 | 356100 | 12:708 | 17:716 | 28:966 | 3372:226 | 3917:236 | 2:092 | 2:664 | 296:54  | 1 | 14:627 |
| 10/9/2017 1:00 | 356400 | 12:71  | 17:716 | 28:97  | 3371:842 | 3916:796 | 2:092 | 2:663 | 296:574 | 1 | 14:625 |
| 10/9/2017 1:05 | 356700 | 12:71  | 17:716 | 28:97  | 3371:949 | 3916:914 | 2:092 | 2:664 | 296:564 | 1 | 14:626 |
| 10/9/2017 1:10 | 357000 | 12:709 | 17:715 | 28:968 | 3371:502 | 3916:432 | 2:091 | 2:663 | 296:604 | 1 | 14:627 |
| 10/9/2017 1:15 | 357300 | 12:709 | 17:716 | 28:969 | 3371:653 | 3917:059 | 2:092 | 2:663 | 296:592 | 1 | 14:628 |
| 10/9/2017 1:20 | 357600 | 12:709 | 17:715 | 28:968 | 3372:039 | 3917:032 | 2:092 | 2:664 | 296:557 | 1 | 14:626 |
| 10/9/2017 1:25 | 357900 | 12:711 | 17:716 | 28:973 | 3372:445 | 3917:473 | 2:092 | 2:664 | 296:521 | 1 | 14:624 |
| 10/9/2017 1:30 | 358200 | 12:713 | 17:715 | 28:977 | 3372:927 | 3918:103 | 2:092 | 2:664 | 296:478 | 1 | 14:623 |
| 10/9/2017 1:35 | 358500 | 12:713 | 17:715 | 28:978 | 3371:73  | 3916:681 | 2:092 | 2:663 | 296:584 | 1 | 14:624 |
| 10/9/2017 1:40 | 358800 | 12:712 | 17:716 | 28:975 | 3372:428 | 3917:476 | 2:092 | 2:664 | 296:522 | 1 | 14:626 |
| 10/9/2017 1:45 | 359100 | 12:71  | 17:716 | 28:97  | 3372:406 | 3917:436 | 2:092 | 2:664 | 296:524 | 1 | 14:628 |
| 10/9/2017 1:50 | 359400 | 12:707 | 17:716 | 28:963 | 3372:034 | 3917:019 | 2:092 | 2:664 | 296:557 | 1 | 14:63  |
| 10/9/2017 1:55 | 359700 | 12:705 | 17:715 | 28:959 | 3372:989 | 3918:136 | 2:092 | 2:664 | 296:473 | 1 | 14:632 |
| 10/9/2017 2:00 | 360000 | 12:705 | 17:716 | 28:958 | 3371:935 | 3916:897 | 2:092 | 2:663 | 296:566 | 1 | 14:634 |
| 10/9/2017 2:05 | 360300 | 12:705 | 17:715 | 28:96  | 3371:96  | 3916:97  | 2:092 | 2:664 | 296:563 | 1 | 14:632 |
| 10/9/2017 2:10 | 360600 | 12:709 | 17:716 | 28:967 | 3373:033 | 3918:179 | 2:092 | 2:664 | 296:469 | 1 | 14:63  |
| 10/9/2017 2:15 | 360900 | 12:711 | 17:715 | 28:973 | 3372:344 | 3917:386 | 2:092 | 2:664 | 296:53  | 1 | 14:628 |
| 10/9/2017 2:20 | 361200 | 12:711 | 17:716 | 28:972 | 3372:773 | 3917:87  | 2:092 | 2:664 | 296:492 | 1 | 14:629 |
| 10/9/2017 2:25 | 361500 | 12:71  | 17:716 | 28:971 | 3371:906 | 3916:855 | 2:092 | 2:663 | 296:568 | 1 | 14:63  |
| 10/9/2017 2:30 | 361800 | 12:711 | 17:715 | 28:971 | 3372:561 | 3917:654 | 2:092 | 2:664 | 296:511 | 1 | 14:631 |
| 10/9/2017 2:35 | 362100 | 12:71  | 17:715 | 28:969 | 3372:509 | 3917:617 | 2:092 | 2:664 | 296:515 | 1 | 14:632 |
| 10/9/2017 2:40 | 362400 | 12:709 | 17:715 | 28:968 | 3372:389 | 3917:438 | 2:092 | 2:664 | 296:526 | 1 | 14:632 |
| 10/9/2017 2:45 | 362700 | 12:708 | 17:716 | 28:966 | 3372:078 | 3917:036 | 2:092 | 2:664 | 296:553 | 1 | 14:633 |
| 10/9/2017 2:50 | 363000 | 12:707 | 17:715 | 28:963 | 3371:082 | 3915:921 | 2:091 | 2:663 | 296:641 | 1 | 14:633 |
| 10/9/2017 2:55 | 363300 | 12:709 | 17:716 | 28:967 | 3370:478 | 3915:211 | 2:091 | 2:662 | 296:694 | 1 | 14:634 |
| 10/9/2017 3:00 | 363600 | 12:707 | 17:715 | 28:963 | 3370:464 | 3915:202 | 2:091 | 2:662 | 296:695 | 1 | 14:634 |
| 10/9/2017 3:05 | 363900 | 12:71  | 17:715 | 28:97  | 3370:206 | 3914:91  | 2:091 | 2:662 | 296:718 | 1 | 14:632 |
| 10/9/2017 3:10 | 364200 | 12:71  | 17:716 | 28:971 | 3368:97  | 3913:445 | 2:09  | 2:661 | 296:827 | 1 | 14:631 |
| 10/9/2017 3:15 | 364500 | 12:712 | 17:715 | 28:974 | 3368:668 | 3913:124 | 2:09  | 2:661 | 296:853 | 1 | 14:629 |
| 10/9/2017 3:20 | 364800 | 12:71  | 17:715 | 28:971 | 3367:704 | 3911:997 | 2:089 | 2:66  | 296:938 | 1 | 14:629 |
| 10/9/2017 3:25 | 365100 | 12:711 | 17:715 | 28:972 | 3367:279 | 3911:503 | 2:089 | 2:66  | 296:976 | 1 | 14:628 |
| 10/9/2017 3:30 | 365400 | 12:711 | 17:716 | 28:973 | 3367:658 | 3911:92  | 2:089 | 2:66  | 296:942 | 1 | 14:628 |
| 10/9/2017 3:35 | 365700 | 12:712 | 17:715 | 28:976 | 3366:869 | 3911:057 | 2:088 | 2:66  | 297:012 | 1 | 14:627 |
| 10/9/2017 3:40 | 366000 | 12:713 | 17:716 | 28:977 | 3367:561 | 3911:816 | 2:089 | 2:66  | 296:951 | 1 | 14:627 |
| 10/9/2017 3:45 | 366300 | 12:714 | 17:715 | 28:979 | 3366:729 | 3910:873 | 2:089 | 2:659 | 297:024 | 1 | 14:628 |
| 10/9/2017 3:50 | 366600 | 12:712 | 17:716 | 28:975 | 3367:655 | 3911:925 | 2:089 | 2:66  | 296:943 | 1 | 14:628 |
| 10/9/2017 3:55 | 366900 | 12:711 | 17:715 | 28:973 | 3366:641 | 3910:762 | 2:088 | 2:659 | 297:032 | 1 | 14:63  |
| 10/9/2017 4:00 | 367200 | 12:71  | 17:715 | 28:97  | 3367:001 | 3911:18  | 2:088 | 2:66  | 297     | 1 | 14:632 |
| 10/9/2017 4:05 | 367500 | 12:71  | 17:715 | 28:971 | 3367:456 | 3911:708 | 2:089 | 2:66  | 296:96  | 1 | 14:632 |
| 10/9/2017 4:10 | 367800 | 12:711 | 17:716 | 28:972 | 3366:552 | 3910:65  | 2:088 | 2:659 | 297:04  | 1 | 14:631 |
| 10/9/2017 4:15 | 368100 | 12:712 | 17:716 | 28:975 | 3365:659 | 3909:596 | 2:089 | 2:659 | 297:119 | 1 | 14:631 |
| 10/9/2017 4:20 | 368400 | 12:711 | 17:715 | 28:972 | 3365:042 | 3908:911 | 2:087 | 2:658 | 297:173 | 1 | 14:632 |
| 10/9/2017 4:25 | 368700 | 12:709 | 17:716 | 28:968 | 3365:022 | 3908:858 | 2:087 | 2:658 | 297:175 | 1 | 14:633 |
| 10/9/2017 4:30 | 369000 | 12:709 | 17:715 | 28:968 | 3365:15  | 3909:045 | 2:087 | 2:658 | 297:164 | 1 | 14:634 |
| 10/9/2017 4:35 | 369300 | 12:71  | 17:715 | 28:971 | 3364:987 | 3908:856 | 2:087 | 2:658 | 297:178 | 1 | 14:634 |
| 10/9/2017 4:40 | 369600 | 12:713 | 17:715 | 28:977 | 3364:737 | 3908:557 | 2:087 | 2:658 | 297:2   | 1 | 14:633 |
| 10/9/2017 4:45 | 369900 | 12:712 | 17:716 | 28:975 | 3364:261 | 3907:983 | 2:087 | 2:657 | 297:242 | 1 | 14:632 |
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| 10/9/2017 4:55 | 370500 | 12:713 | 17:716 | 28:978 | 3364:337 | 3908:055 | 2:087 | 2:657 | 297:235 | 1 | 14:633 |
| 10/9/2017 5:00 | 370800 | 12:714 | 17:716 | 28:979 | 3364:027 | 3907:71  | 2:087 | 2:657 | 297:263 | 1 | 14:633 |
| 10/9/2017 5:05 | 371100 | 12:715 | 17:715 | 28:981 | 3364:151 | 3907:877 | 2:087 | 2:657 | 297:252 | 1 | 14:634 |
| 10/9/2017 5:10 | 371400 | 12:714 | 17:715 | 28:98  | 3364:3   | 3908:042 | 2:087 | 2:657 | 297:239 | 1 | 14:634 |
| 10/9/2017 5:15 | 371700 | 12:714 | 17:715 | 28:98  | 3363:315 | 3906:914 | 2:086 | 2:657 | 297:326 | 1 | 14:635 |
| 10/9/2017 5:20 | 372000 | 12:714 | 17:715 | 28:979 | 3362:77  | 3906:295 | 2:086 | 2:656 | 297:374 | 1 | 14:636 |
| 10/9/2017 5:25 | 372300 | 12:714 | 17:715 | 28:98  | 3362:601 | 3906:076 | 2:086 | 2:656 | 297:389 | 1 | 14:637 |
| 10/9/2017 5:30 | 372600 | 12:714 | 17:716 | 28:978 | 3362:945 | 3906:46  | 2:086 | 2:656 | 297:358 | 1 | 14:639 |
| 10/9/2017 5:35 | 372900 | 12:713 | 17:716 | 28:977 | 3362:181 | 3905:558 | 2:085 | 2:656 | 297:426 | 1 | 14:64  |
| 10/9/2017 5:40 | 373200 | 12:713 | 17:715 | 28:977 | 3361:963 | 3905:335 | 2:085 | 2:656 | 297:445 | 1 | 14:641 |
| 10/9/2017 5:45 | 373500 | 12:713 | 17:715 | 28:977 | 3362:667 | 3906:161 | 2:086 | 2:656 | 297:383 | 1 | 14:642 |
| 10/9/2017 5:50 | 373800 | 12:714 | 17:715 | 28:979 | 3362:224 | 3905:631 | 2:085 | 2:656 | 297:422 | 1 | 14:642 |
| 10/9/2017 5:55 | 374100 | 12:714 | 17:716 | 28:979 | 3362:291 | 3905:701 | 2:085 | 2:656 | 297:416 | 1 | 14:642 |
| 10/9/2017 6:00 | 374400 | 12:714 | 17:715 | 28:98  | 3362:075 | 3905:481 | 2:085 | 2:656 | 297:435 | 1 | 14:642 |
| 10/9/2017 6:05 | 374700 | 12:712 | 17:716 | 28:975 | 3361:667 | 3904:961 | 2:085 | 2:655 | 297:471 | 1 | 14:644 |
| 10/9/2017 6:10 | 375000 | 12:713 | 17:716 | 28:976 | 3351:707 | 3893:384 | 2:078 | 2:648 | 298:355 | 1 | 14:645 |
| 10/9/2017 6:15 | 375300 | 12:712 | 17:715 | 28:974 | 3330:262 | 3888:548 | 2:064 | 2:631 | 300:277 | 1 | 14:646 |
| 10/9/2017 6:20 | 375600 | 12:715 | 17:716 | 28:98  | 3304:891 | 3889:039 | 2:048 | 2:611 | 302:582 | 1 | 14:648 |
| 10/9/2017 6:25 | 375900 | 12:715 | 17:715 | 28:981 | 3281:365 | 3811:703 | 2:032 | 2:592 | 304:751 | 1 | 14:646 |
| 10/9/2017 6:30 | 376200 | 12:716 | 17:716 | 28:984 | 3259:516 | 3786:293 | 2:018 | 2:575 | 306:794 | 1 | 14:646 |
| 10/9/2017 6:35 | 376500 | 12:715 | 17:716 | 28:981 | 3238:536 | 3761:908 | 2:004 | 2:558 | 308:782 | 1 | 14:65  |
| 10/9/2017 6:40 | 376800 | 12:711 | 17:716 | 28:972 | 3219:451 | 3739:754 | 1:992 | 2:543 | 310:612 | 1 | 14:654 |
| 10/9/2017 6:45 | 377100 | 12:707 | 17:715 | 28:964 | 3201:3   | 3718:734 | 1:98  | 2:529 | 312:373 | 1 | 14:658 |
| 10/9/2017 6:50 | 377400 | 12:706 | 17:716 | 28:962 | 3183:075 | 3697:521 | 1:968 | 2:514 | 314:162 | 1 | 14:658 |
| 10/9/2017 6:55 | 377700 | 12:705 | 17:715 | 28:959 | 3166:595 | 3678:398 | 1:957 | 2:501 | 315:797 | 1 | 14:659 |
| 10/9/2017 7:00 | 378000 | 12:705 | 17:716 | 28:959 | 3150:553 | 3659:742 | 1:946 | 2:489 | 317:405 | 1 | 14:66  |
| 10/9/2017 7:05 | 378300 | 12:708 | 17:716 | 28:965 | 3134:967 | 3641:631 | 1:936 | 2:476 | 318:983 | 1 | 14:659 |
| 10/9/2017 7:10 | 378600 | 12:712 | 17:716 | 28:975 | 3120:517 | 3624:837 | 1:927 | 2:465 | 320:46  | 1 | 14:657 |
| 10/9/2017 7:15 | 378900 | 12:713 | 17:715 | 28:977 | 3106:042 | 3608:051 | 1:917 | 2:453 | 321:953 | 1 | 14:656 |
| 10/9/2017 7:20 | 379200 | 12:712 | 17:715 | 28:975 | 3092:626 | 3592:489 | 1:909 | 2:443 | 323:35  | 1 | 14:657 |
| 10/9/2017 7:25 | 379500 | 12:709 | 17:715 | 28:969 | 3078:602 | 3576:176 | 1:899 | 2:432 | 324:823 | 1 | 14:659 |
| 10/9/2017 7:30 | 379800 | 12:708 | 17:715 | 28:966 | 3065:354 | 3560:801 | 1:891 | 2:421 | 326:227 | 1 | 14:661 |
| 10/9/2017 7:35 | 380100 | 12:709 | 17:715 | 28:968 | 3053:553 | 3547:087 | 1:883 | 2:412 | 327:487 | 1 | 14:66  |
| 10/9/2017 7:40 | 380400 | 12:711 | 17:715 | 28:972 | 3040:867 | 3532:336 | 1:875 | 2:402 | 328:854 | 1 | 14:658 |
| 10/9/2017 7:45 | 380700 | 12:714 | 17:715 | 28:979 | 3029:156 | 3518:759 | 1:867 | 2:393 | 330:125 | 1 | 14:657 |
| 10/9/2017 7:50 | 381000 | 12:712 | 17:716 | 28:974 | 3017:173 | 3504:826 | 1:859 | 2:383 | 331:436 | 1 | 14:659 |
| 10/9/2017 7:55 | 381300 | 12:711 | 17:715 | 28:971 | 3003:278 | 3488:686 | 1:85  | 2:372 | 332:97  | 1 | 14:661 |
| 10/9/2017 8:00 | 381600 | 12:708 | 17:715 | 28:966 | 2989:357 |          |       |       |         |   |        |

|                  |          |        |        |        |          |          |       |       |         |   |        |
|------------------|----------|--------|--------|--------|----------|----------|-------|-------|---------|---|--------|
| 10/9/2017 18:20  | 418800   | 12.676 | 17.715 | 28.891 | 2621.897 | 3045.687 | 1.603 | 2.071 | 381.403 | 1 | 14.684 |
| 10/9/2017 18:25  | 419100   | 12.675 | 17.715 | 28.89  | 2621.906 | 3045.68  | 1.603 | 2.071 | 381.402 | 1 | 14.685 |
| 10/9/2017 18:30  | 419400   | 12.678 | 17.715 | 28.898 | 2621.12  | 3044.772 | 1.602 | 2.07  | 381.516 | 1 | 14.687 |
| 10/9/2017 18:35  | 419700   | 12.675 | 17.715 | 28.89  | 2620.859 | 3044.493 | 1.602 | 2.07  | 381.554 | 1 | 14.687 |
| 10/9/2017 18:40  | 420000   | 12.674 | 17.715 | 28.889 | 2620.954 | 3044.598 | 1.602 | 2.07  | 381.54  | 1 | 14.688 |
| 10/9/2017 18:45  | 420300   | 12.675 | 17.715 | 28.891 | 2620.884 | 3044.509 | 1.602 | 2.07  | 381.551 | 1 | 14.688 |
| 10/9/2017 18:50  | 420600   | 12.672 | 17.715 | 28.884 | 2620.3   | 3043.884 | 1.602 | 2.07  | 381.636 | 1 | 14.689 |
| 10/9/2017 18:55  | 420900   | 12.672 | 17.715 | 28.883 | 2620.497 | 3044.048 | 1.602 | 2.07  | 381.607 | 1 | 14.69  |
| 10/9/2017 19:00  | 421200   | 12.671 | 17.715 | 28.881 | 2620.149 | 3043.633 | 1.602 | 2.07  | 381.658 | 1 | 14.691 |
| 10/9/2017 19:05  | 421500   | 12.673 | 17.715 | 28.887 | 2619.85  | 3043.291 | 1.601 | 2.069 | 381.701 | 1 | 14.69  |
| 10/9/2017 19:10  | 421800   | 12.675 | 17.715 | 28.89  | 2619.843 | 3043.288 | 1.601 | 2.069 | 381.702 | 1 | 14.688 |
| 10/9/2017 19:15  | 422100   | 12.675 | 17.715 | 28.89  | 2619.865 | 3042.49  | 1.601 | 2.069 | 381.801 | 1 | 14.687 |
| 10/9/2017 19:20  | 422400   | 12.672 | 17.715 | 28.883 | 2619.866 | 3043.292 | 1.601 | 2.069 | 381.899 | 1 | 14.69  |
| 10/9/2017 19:25  | 422700   | 12.669 | 17.715 | 28.876 | 2619.281 | 3042.625 | 1.601 | 2.069 | 381.784 | 1 | 14.693 |
| 10/9/2017 19:30  | 423000   | 12.668 | 17.715 | 28.875 | 2619.073 | 3042.401 | 1.601 | 2.069 | 381.814 | 1 | 14.696 |
| 10/9/2017 19:35  | 423300   | 12.67  | 17.715 | 28.879 | 2618.358 | 3041.571 | 1.601 | 2.068 | 381.919 | 1 | 14.695 |
| 10/9/2017 19:40  | 423600   | 12.673 | 17.715 | 28.886 | 2618.816 | 3042.095 | 1.601 | 2.069 | 381.852 | 1 | 14.693 |
| 10/9/2017 19:45  | 423900   | 12.674 | 17.715 | 28.889 | 2618.565 | 3041.799 | 1.601 | 2.068 | 381.889 | 1 | 14.692 |
| 10/9/2017 19:50  | 424200   | 12.673 | 17.715 | 28.885 | 2618.636 | 3041.87  | 1.601 | 2.068 | 381.88  | 1 | 14.694 |
| 10/9/2017 19:55  | 424500   | 12.67  | 17.715 | 28.879 | 2618.172 | 3041.343 | 1.6   | 2.068 | 381.946 | 1 | 14.696 |
| 10/9/2017 20:00  | 424800   | 12.668 | 17.715 | 28.873 | 2617.866 | 3040.975 | 1.6   | 2.068 | 381.991 | 1 | 14.699 |
| 10/9/2017 20:05  | 425100   | 12.666 | 17.715 | 28.87  | 2617.811 | 3040.947 | 1.6   | 2.068 | 381.999 | 1 | 14.7   |
| 10/9/2017 20:10  | 425400   | 12.665 | 17.715 | 28.868 | 2618.514 | 3041.734 | 1.601 | 2.068 | 381.896 | 1 | 14.702 |
| 10/9/2017 20:15  | 425700   | 12.664 | 17.715 | 28.866 | 2617.751 | 3040.865 | 1.6   | 2.068 | 382.007 | 1 | 14.703 |
| 10/9/2017 20:20  | 426000   | 12.665 | 17.715 | 28.868 | 2617.548 | 3040.605 | 1.6   | 2.068 | 382.037 | 1 | 14.703 |
| 10/9/2017 20:25  | 426300   | 12.668 | 17.715 | 28.873 | 2617.646 | 3040.749 | 1.6   | 2.068 | 382.023 | 1 | 14.702 |
| 10/9/2017 20:30  | 426600   | 12.669 | 17.715 | 28.877 | 2617.805 | 3040.917 | 1.6   | 2.068 | 381.999 | 1 | 14.701 |
| 10/9/2017 20:35  | 426900   | 12.666 | 17.715 | 28.87  | 2617.303 | 3040.333 | 1.6   | 2.067 | 382.073 | 1 | 14.702 |
| 10/9/2017 20:40  | 427200   | 12.665 | 17.715 | 28.867 | 2617.326 | 3040.377 | 1.6   | 2.067 | 382.069 | 1 | 14.703 |
| 10/9/2017 20:45  | 427500   | 12.663 | 17.715 | 28.864 | 2617.889 | 3041.026 | 1.6   | 2.068 | 381.987 | 1 | 14.703 |
| 10/9/2017 20:50  | 427800   | 12.663 | 17.715 | 28.863 | 2617.139 | 3040.148 | 1.6   | 2.067 | 382.097 | 1 | 14.708 |
| 10/9/2017 20:55  | 428100   | 12.663 | 17.715 | 28.863 | 2617.849 | 3040.979 | 1.6   | 2.068 | 381.993 | 1 | 14.702 |
| 10/9/2017 21:00  | 428400   | 12.665 | 17.715 | 28.868 | 2617.649 | 3040.74  | 1.6   | 2.068 | 382.022 | 1 | 14.701 |
| 10/9/2017 21:05  | 428700   | 12.67  | 17.715 | 28.878 | 2617.404 | 3040.438 | 1.6   | 2.067 | 382.058 | 1 | 14.701 |
| 10/9/2017 21:10  | 429000   | 12.669 | 17.716 | 28.876 | 2617.497 | 3040.522 | 1.6   | 2.068 | 382.044 | 1 | 14.7   |
| 10/9/2017 21:15  | 429300   | 12.665 | 17.715 | 28.867 | 2618.321 | 3041.51  | 1.6   | 2.068 | 381.924 | 1 | 14.7   |
| 10/9/2017 21:20  | 429600   | 12.664 | 17.715 | 28.866 | 2617.826 | 3040.926 | 1.6   | 2.068 | 381.996 | 1 | 14.706 |
| 10/9/2017 21:25  | 429900   | 12.662 | 17.715 | 28.862 | 2618.292 | 3041.482 | 1.6   | 2.068 | 381.928 | 1 | 14.701 |
| 10/9/2017 21:30  | 430200   | 12.662 | 17.715 | 28.861 | 2618.662 | 3041.924 | 1.601 | 2.069 | 381.874 | 1 | 14.702 |
| 10/9/2017 21:35  | 430500   | 12.662 | 17.715 | 28.861 | 2618.075 | 3041.229 | 1.6   | 2.068 | 381.96  | 1 | 14.702 |
| 10/9/2017 21:40  | 430800   | 12.662 | 17.715 | 28.862 | 2618.963 | 3042.279 | 1.601 | 2.069 | 381.83  | 1 | 14.702 |
| 10/9/2017 21:45  | 431100   | 12.663 | 17.715 | 28.864 | 2622.982 | 3046.959 | 1.604 | 2.072 | 381.245 | 1 | 14.702 |
| 10/9/2017 21:50  | 431400   | 12.663 | 17.715 | 28.863 | 2626.955 | 3063.179 | 1.613 | 2.083 | 379.225 | 1 | 14.697 |
| 10/9/2017 21:55  | 431700   | 12.662 | 17.715 | 28.861 | 2654.922 | 3084.049 | 1.624 | 2.097 | 376.659 | 1 | 14.702 |
| 10/9/2017 22:00  | 432000   | 12.662 | 17.715 | 28.861 | 2673.92  | 3106.125 | 1.636 | 2.112 | 373.983 | 1 | 14.703 |
| 10/9/2017 22:05  | 432300   | 12.663 | 17.715 | 28.863 | 2691.155 | 3126.127 | 1.648 | 2.126 | 371.588 | 1 | 14.702 |
| 10/9/2017 22:10  | 432600   | 12.664 | 17.715 | 28.865 | 2707.59  | 3145.237 | 1.658 | 2.139 | 369.332 | 1 | 14.701 |
| 10/9/2017 22:15  | 432900   | 12.665 | 17.715 | 28.868 | 2723.365 | 3163.563 | 1.668 | 2.151 | 367.193 | 1 | 14.699 |
| 10/9/2017 22:20  | 433200   | 12.669 | 17.715 | 28.869 | 2738.412 | 3181.047 | 1.678 | 2.163 | 365.175 | 1 | 14.705 |
| 10/9/2017 22:25  | 433500   | 12.66  | 17.715 | 28.856 | 2752.607 | 3197.543 | 1.687 | 2.174 | 363.292 | 1 | 14.704 |
| 10/9/2017 22:30  | 433800   | 12.658 | 17.715 | 28.851 | 2766.468 | 3213.644 | 1.696 | 2.185 | 361.472 | 1 | 14.706 |
| 10/9/2017 22:35  | 434100   | 12.662 | 17.715 | 28.861 | 2779.517 | 3228.791 | 1.705 | 2.196 | 359.775 | 1 | 14.704 |
| 10/9/2017 22:40  | 434400   | 12.663 | 17.715 | 28.863 | 2792.362 | 3243.718 | 1.713 | 2.206 | 358.12  | 1 | 14.702 |
| 10/9/2017 22:45  | 434700   | 12.665 | 17.715 | 28.868 | 2805.26  | 3258.675 | 1.721 | 2.216 | 356.473 | 1 | 14.7   |
| 10/9/2017 22:50  | 435000   | 12.665 | 17.715 | 28.867 | 2818.15  | 3273.668 | 1.73  | 2.226 | 354.843 | 1 | 14.7   |
| 10/9/2017 22:55  | 435300   | 12.664 | 17.715 | 28.866 | 2830.586 | 3288.101 | 1.738 | 2.236 | 353.284 | 1 | 14.7   |
| 10/9/2017 23:00  | 435600   | 12.669 | 17.715 | 28.876 | 2843.167 | 3302.708 | 1.746 | 2.246 | 351.72  | 1 | 14.701 |
| 10/9/2017 23:05  | 435900   | 12.665 | 17.715 | 28.868 | 2855.932 | 3317.537 | 1.754 | 2.256 | 350.148 | 1 | 14.699 |
| 10/9/2017 23:10  | 436200   | 12.665 | 17.715 | 28.868 | 2869.028 | 3332.762 | 1.763 | 2.266 | 348.55  | 1 | 14.698 |
| 10/9/2017 23:15  | 436500   | 12.666 | 17.715 | 28.87  | 2882.07  | 3347.906 | 1.771 | 2.277 | 346.973 | 1 | 14.697 |
| 10/9/2017 23:20  | 436800   | 12.666 | 17.715 | 28.87  | 2893.847 | 3361.593 | 1.779 | 2.286 | 345.561 | 1 | 14.698 |
| 10/9/2017 23:25  | 437100   | 12.665 | 17.715 | 28.867 | 2906.991 | 3376.862 | 1.788 | 2.296 | 343.998 | 1 | 14.7   |
| 10/9/2017 23:30  | 437400   | 12.662 | 17.715 | 28.86  | 2919.115 | 3390.927 | 1.795 | 2.306 | 342.57  | 1 | 14.702 |
| 10/9/2017 23:35  | 437700   | 12.664 | 17.715 | 28.866 | 2930.623 | 3404.3   | 1.803 | 2.315 | 341.224 | 1 | 14.699 |
| 10/9/2017 23:40  | 438000   | 12.667 | 17.715 | 28.871 | 2943.25  | 3418.968 | 1.811 | 2.325 | 339.76  | 1 | 14.697 |
| 10/9/2017 23:45  | 438300   | 12.668 | 17.715 | 28.874 | 2955.923 | 3433.696 | 1.819 | 2.335 | 338.304 | 1 | 14.694 |
| 10/9/2017 23:50  | 438600   | 12.666 | 17.715 | 28.869 | 2968.185 | 3447.933 | 1.827 | 2.345 | 336.906 | 1 | 14.696 |
| 10/9/2017 23:55  | 438900   | 12.665 | 17.715 | 28.868 | 2983.971 | 3463.934 | 1.834 | 2.353 | 335.751 | 1 | 14.698 |
| 10/10/2017 00:00 | 439200   | 12.664 | 17.715 | 28.864 | 2990.606 | 3473.972 | 1.842 | 2.362 | 334.38  | 1 | 14.7   |
| 10/10/2017 00:05 | 439500   | 12.665 | 17.715 | 28.867 | 3000.769 | 3485.783 | 1.849 | 2.37  | 333.248 | 1 | 14.7   |
| 10/10/2017 00:10 | 439800   | 12.663 | 17.715 | 28.864 | 3011.131 | 3497.835 | 1.855 | 2.379 | 332.101 | 1 | 14.701 |
| 10/10/2017 00:15 | 440100   | 12.662 | 17.715 | 28.861 | 3020.326 | 3508.516 | 1.861 | 2.386 | 331.09  | 1 | 14.701 |
| 10/10/2017 00:20 | 440400   | 12.664 | 17.715 | 28.866 | 3029.448 | 3519.085 | 1.867 | 2.393 | 330.093 | 1 | 14.7   |
| 10/10/2017 00:25 | 440700   | 12.665 | 17.715 | 28.868 | 3037.773 | 3528.766 | 1.873 | 2.4   | 329.189 | 1 | 14.698 |
| 10/10/2017 00:30 | 441000   | 12.665 | 17.715 | 28.868 | 3046.709 | 3539.164 | 1.879 | 2.407 | 328.223 | 1 | 14.696 |
| 10/10/2017 00:35 | 441300   | 12.668 | 17.715 | 28.873 | 3054.364 | 3548.055 | 1.884 | 2.413 | 327.4   | 1 | 14.695 |
| 10/10/2017 00:40 | 441600   | 12.669 | 17.715 | 28.876 | 3063.336 | 3558.485 | 1.89  | 2.42  | 326.441 | 1 | 14.693 |
| 10/10/2017 00:45 | 441900   | 12.669 | 17.715 | 28.876 | 3071.163 | 3567.577 | 1.895 | 2.426 | 325.61  | 1 | 14.691 |
| 10/10/2017 00:50 | 442200   | 12.668 | 17.715 | 28.874 | 3078.976 | 3576.631 | 1.9   | 2.432 | 324.783 | 1 | 14.691 |
| 10/10/2017 00:55 | 442500   | 12.67  | 17.715 | 28.874 | 3086.466 | 3585.318 | 1.905 | 2.438 | 323.995 | 1 | 14.693 |
| 10/10/2017 1:00  | 442800   | 12.669 | 17.715 | 28.877 | 3093.215 | 3593.172 | 1.909 | 2.443 | 323.288 | 1 | 14.691 |
| 10/10/2017 1:05  | 443100   | 12.669 | 17.715 | 28.877 | 3100.615 | 3601.782 | 1.914 | 2.449 | 322.517 | 1 | 14.691 |
| 10/10/2017 1:10  | 443400   | 12.668 | 17.715 | 28.875 | 3106.417 | 3608.522 | 1.918 | 2.454 | 321.914 | 1 | 14.692 |
| 10/10/2017 1:15  | 443700   | 12.668 | 17.715 | 28.875 | 3113.018 | 3616.169 | 1.922 | 2.459 | 321.232 | 1 | 14.693 |
| 10/10/2017 1:20  | 444000   | 12.668 | 17.715 | 28.875 | 3118.7   | 3622.798 | 1.926 | 2.464 | 320.646 | 1 | 14.692 |
| 10/10/2017 1:25  | 444300   | 12.67  | 17.715 | 28.879 | 3124.507 | 3629.157 | 1.929 | 2.468 | 320.051 | 1 | 14.691 |
| 10/10/2017 1:30  | 444600   | 12.67  | 17.715 | 28.879 | 3130.42  | 3636.376 | 1.933 | 2.473 | 319.446 | 1 | 14.691 |
| 10/10/2017 1:35  | 444900</ |        |        |        |          |          |       |       |         |   |        |

|                  |        |        |       |        |          |          |       |       |         |   |        |
|------------------|--------|--------|-------|--------|----------|----------|-------|-------|---------|---|--------|
| 10/10/2017 11:55 | 482100 | 12.665 | 17715 | 28.868 | 2758.356 | 3204.209 | 1.691 | 2.179 | 362.535 | 1 | 14.698 |
| 10/10/2017 12:00 | 482400 | 12.665 | 17715 | 28.868 | 2756.484 | 3202.047 | 1.69  | 2.177 | 362.781 | 1 | 14.698 |
| 10/10/2017 12:05 | 482700 | 12.665 | 17715 | 28.868 | 2754.983 | 3200.297 | 1.689 | 2.176 | 362.999 | 1 | 14.697 |
| 10/10/2017 12:10 | 483000 | 12.665 | 17715 | 28.866 | 2752.687 | 3197.599 | 1.687 | 2.174 | 363.281 | 1 | 14.697 |
| 10/10/2017 12:15 | 483300 | 12.663 | 17715 | 28.862 | 2750.272 | 3194.824 | 1.686 | 2.172 | 363.6   | 1 | 14.697 |
| 10/10/2017 12:20 | 483600 | 12.662 | 17715 | 28.862 | 2748.683 | 3192.884 | 1.685 | 2.171 | 363.811 | 1 | 14.698 |
| 10/10/2017 12:25 | 483900 | 12.662 | 17715 | 28.86  | 2746.524 | 3190.466 | 1.683 | 2.17  | 364.097 | 1 | 14.699 |
| 10/10/2017 12:30 | 484200 | 12.659 | 17715 | 28.853 | 2744.921 | 3188.621 | 1.682 | 2.168 | 364.309 | 1 | 14.7   |
| 10/10/2017 12:35 | 484500 | 12.66  | 17715 | 28.857 | 2743.394 | 3186.853 | 1.681 | 2.167 | 364.512 | 1 | 14.697 |
| 10/10/2017 12:40 | 484800 | 12.665 | 17715 | 28.868 | 2741.996 | 3185.192 | 1.68  | 2.166 | 364.698 | 1 | 14.695 |
| 10/10/2017 12:45 | 485100 | 12.666 | 17715 | 28.87  | 2739.646 | 3182.462 | 1.679 | 2.164 | 365.011 | 1 | 14.692 |
| 10/10/2017 12:50 | 485400 | 12.665 | 17715 | 28.867 | 2737.784 | 3180.323 | 1.678 | 2.163 | 365.259 | 1 | 14.693 |
| 10/10/2017 12:55 | 485700 | 12.664 | 17715 | 28.866 | 2736.703 | 3179.066 | 1.677 | 2.162 | 365.403 | 1 | 14.693 |
| 10/10/2017 13:00 | 486000 | 12.663 | 17715 | 28.862 | 2734.81  | 3176.869 | 1.676 | 2.16  | 365.656 | 1 | 14.694 |
| 10/10/2017 13:05 | 486300 | 12.661 | 17715 | 28.857 | 2733.533 | 3175.38  | 1.675 | 2.159 | 365.827 | 1 | 14.695 |
| 10/10/2017 13:10 | 486600 | 12.659 | 17715 | 28.853 | 2732.405 | 3174.038 | 1.674 | 2.158 | 365.978 | 1 | 14.696 |
| 10/10/2017 13:15 | 486900 | 12.657 | 17715 | 28.849 | 2730.778 | 3172.154 | 1.673 | 2.157 | 366.196 | 1 | 14.697 |
| 10/10/2017 13:20 | 487200 | 12.658 | 17715 | 28.852 | 2729.241 | 3170.399 | 1.672 | 2.156 | 366.402 | 1 | 14.694 |
| 10/10/2017 13:25 | 487500 | 12.66  | 17715 | 28.855 | 2728.229 | 3169.218 | 1.672 | 2.155 | 366.538 | 1 | 14.692 |
| 10/10/2017 13:30 | 487800 | 12.662 | 17715 | 28.86  | 2727.091 | 3167.902 | 1.671 | 2.154 | 366.691 | 1 | 14.69  |
| 10/10/2017 13:35 | 488100 | 12.662 | 17715 | 28.86  | 2724.998 | 3165.44  | 1.669 | 2.152 | 366.973 | 1 | 14.689 |
| 10/10/2017 13:40 | 488400 | 12.668 | 17715 | 28.875 | 2723.874 | 3164.147 | 1.669 | 2.152 | 367.124 | 1 | 14.687 |
| 10/10/2017 13:45 | 488700 | 12.664 | 17715 | 28.866 | 2722.416 | 3162.465 | 1.668 | 2.15  | 367.321 | 1 | 14.686 |
| 10/10/2017 13:50 | 489000 | 12.661 | 17715 | 28.858 | 2721.777 | 3161.698 | 1.667 | 2.15  | 367.407 | 1 | 14.688 |
| 10/10/2017 13:55 | 489300 | 12.659 | 17715 | 28.854 | 2720.021 | 3159.659 | 1.666 | 2.149 | 367.644 | 1 | 14.69  |
| 10/10/2017 14:00 | 489600 | 12.655 | 17715 | 28.845 | 2718.637 | 3158.082 | 1.665 | 2.147 | 367.831 | 1 | 14.692 |
| 10/10/2017 14:05 | 489900 | 12.657 | 17715 | 28.848 | 2717.407 | 3156.622 | 1.665 | 2.147 | 367.998 | 1 | 14.691 |
| 10/10/2017 14:10 | 490200 | 12.657 | 17715 | 28.85  | 2716.42  | 3155.5   | 1.664 | 2.146 | 368.132 | 1 | 14.689 |
| 10/10/2017 14:15 | 490500 | 12.658 | 17715 | 28.851 | 2715.801 | 3154.793 | 1.664 | 2.145 | 368.216 | 1 | 14.688 |
| 10/10/2017 14:20 | 490800 | 12.657 | 17715 | 28.849 | 2714.036 | 3152.713 | 1.662 | 2.144 | 368.455 | 1 | 14.687 |
| 10/10/2017 14:25 | 491100 | 12.657 | 17715 | 28.849 | 2713.179 | 3151.723 | 1.662 | 2.143 | 368.571 | 1 | 14.686 |
| 10/10/2017 14:30 | 491400 | 12.658 | 17715 | 28.852 | 2712.363 | 3150.77  | 1.661 | 2.143 | 368.682 | 1 | 14.685 |
| 10/10/2017 14:35 | 491700 | 12.659 | 17714 | 28.853 | 2710.804 | 3149.001 | 1.66  | 2.141 | 368.894 | 1 | 14.686 |
| 10/10/2017 14:40 | 492000 | 12.658 | 17715 | 28.852 | 2709.664 | 3147.671 | 1.66  | 2.14  | 369.049 | 1 | 14.686 |
| 10/10/2017 14:45 | 492300 | 12.658 | 17715 | 28.852 | 2708.855 | 3146.725 | 1.659 | 2.14  | 369.16  | 1 | 14.686 |
| 10/10/2017 14:50 | 492600 | 12.656 | 17715 | 28.848 | 2708.178 | 3145.908 | 1.659 | 2.139 | 369.252 | 1 | 14.686 |
| 10/10/2017 14:55 | 492900 | 12.657 | 17715 | 28.849 | 2707.068 | 3144.649 | 1.658 | 2.138 | 369.403 | 1 | 14.687 |
| 10/10/2017 15:00 | 493200 | 12.655 | 17714 | 28.845 | 2705.857 | 3143.255 | 1.657 | 2.137 | 369.569 | 1 | 14.687 |
| 10/10/2017 15:05 | 493500 | 12.657 | 17715 | 28.85  | 2704.823 | 3142.023 | 1.656 | 2.137 | 369.71  | 1 | 14.685 |
| 10/10/2017 15:10 | 493800 | 12.659 | 17715 | 28.854 | 2704.046 | 3141.101 | 1.656 | 2.136 | 369.816 | 1 | 14.684 |
| 10/10/2017 15:15 | 494100 | 12.661 | 17715 | 28.858 | 2702.853 | 3139.722 | 1.655 | 2.135 | 369.979 | 1 | 14.682 |
| 10/10/2017 15:20 | 494400 | 12.659 | 17715 | 28.854 | 2701.833 | 3138.556 | 1.654 | 2.134 | 370.119 | 1 | 14.683 |
| 10/10/2017 15:25 | 494700 | 12.659 | 17715 | 28.853 | 2700.46  | 3136.983 | 1.654 | 2.133 | 370.307 | 1 | 14.683 |
| 10/10/2017 15:30 | 495000 | 12.659 | 17715 | 28.854 | 2699.932 | 3136.359 | 1.653 | 2.133 | 370.38  | 1 | 14.685 |
| 10/10/2017 15:35 | 495300 | 12.656 | 17715 | 28.846 | 2697.949 | 3134.038 | 1.652 | 2.131 | 370.652 | 1 | 14.687 |
| 10/10/2017 15:40 | 495600 | 12.653 | 17715 | 28.84  | 2697.777 | 3133.844 | 1.652 | 2.131 | 370.676 | 1 | 14.689 |
| 10/10/2017 15:45 | 495900 | 12.651 | 17715 | 28.837 | 2696.166 | 3131.979 | 1.651 | 2.13  | 370.897 | 1 | 14.691 |
| 10/10/2017 15:50 | 496200 | 12.654 | 17715 | 28.842 | 2695.501 | 3131.182 | 1.65  | 2.129 | 370.989 | 1 | 14.688 |
| 10/10/2017 15:55 | 496500 | 12.657 | 17715 | 28.848 | 2695.417 | 3131.097 | 1.65  | 2.129 | 371     | 1 | 14.685 |
| 10/10/2017 16:00 | 496800 | 12.658 | 17715 | 28.852 | 2694.398 | 3129.919 | 1.65  | 2.128 | 371.14  | 1 | 14.683 |
| 10/10/2017 16:05 | 497100 | 12.658 | 17715 | 28.851 | 2692.798 | 3128.066 | 1.649 | 2.127 | 371.361 | 1 | 14.684 |
| 10/10/2017 16:10 | 497400 | 12.656 | 17715 | 28.848 | 2692.24  | 3127.387 | 1.648 | 2.127 | 371.488 | 1 | 14.686 |
| 10/10/2017 16:15 | 497700 | 12.653 | 17715 | 28.839 | 2692.28  | 3127.471 | 1.648 | 2.127 | 371.432 | 1 | 14.687 |
| 10/10/2017 16:20 | 498000 | 12.652 | 17715 | 28.838 | 2690.628 | 3125.533 | 1.647 | 2.125 | 371.66  | 1 | 14.688 |
| 10/10/2017 16:25 | 498300 | 12.653 | 17715 | 28.84  | 2690.486 | 3125.374 | 1.647 | 2.125 | 371.68  | 1 | 14.689 |
| 10/10/2017 16:30 | 498600 | 12.653 | 17715 | 28.84  | 2689.128 | 3123.767 | 1.646 | 2.124 | 371.868 | 1 | 14.69  |
| 10/10/2017 16:35 | 498900 | 12.653 | 17715 | 28.839 | 2688.653 | 3123.233 | 1.646 | 2.124 | 371.933 | 1 | 14.69  |
| 10/10/2017 16:40 | 499200 | 12.655 | 17715 | 28.845 | 2688.232 | 3122.743 | 1.646 | 2.123 | 371.992 | 1 | 14.69  |
| 10/10/2017 16:45 | 499500 | 12.652 | 17715 | 28.837 | 2686.848 | 3121.143 | 1.645 | 2.122 | 372.183 | 1 | 14.69  |
| 10/10/2017 16:50 | 499800 | 12.651 | 17715 | 28.835 | 2686.343 | 3120.555 | 1.644 | 2.122 | 372.253 | 1 | 14.69  |
| 10/10/2017 16:55 | 500100 | 12.651 | 17715 | 28.835 | 2685.832 | 3119.968 | 1.644 | 2.122 | 372.324 | 1 | 14.69  |
| 10/10/2017 17:00 | 500400 | 12.65  | 17715 | 28.833 | 2685.643 | 3119.755 | 1.644 | 2.121 | 372.35  | 1 | 14.69  |
| 10/10/2017 17:05 | 500700 | 12.654 | 17715 | 28.842 | 2685.055 | 3119.077 | 1.644 | 2.121 | 372.432 | 1 | 14.69  |
| 10/10/2017 17:10 | 501000 | 12.651 | 17715 | 28.836 | 2684.856 | 3118.834 | 1.643 | 2.121 | 372.46  | 1 | 14.689 |
| 10/10/2017 17:15 | 501300 | 12.651 | 17715 | 28.836 | 2684.01  | 3117.827 | 1.643 | 2.12  | 372.577 | 1 | 14.689 |
| 10/10/2017 17:20 | 501600 | 12.653 | 17715 | 28.839 | 2683.969 | 3117.792 | 1.643 | 2.12  | 372.583 | 1 | 14.687 |
| 10/10/2017 17:25 | 501900 | 12.654 | 17715 | 28.842 | 2682.944 | 3116.619 | 1.642 | 2.119 | 372.725 | 1 | 14.685 |
| 10/10/2017 17:30 | 502200 | 12.656 | 17715 | 28.847 | 2682.704 | 3116.47  | 1.642 | 2.119 | 372.758 | 1 | 14.688 |
| 10/10/2017 17:35 | 502500 | 12.658 | 17715 | 28.851 | 2682.805 | 3116.427 | 1.642 | 2.119 | 372.744 | 1 | 14.684 |
| 10/10/2017 17:40 | 502800 | 12.655 | 17715 | 28.844 | 2682.069 | 3115.609 | 1.642 | 2.119 | 372.847 | 1 | 14.684 |
| 10/10/2017 17:45 | 503100 | 12.654 | 17715 | 28.842 | 2680.954 | 3114.289 | 1.641 | 2.118 | 373.002 | 1 | 14.685 |
| 10/10/2017 17:50 | 503400 | 12.652 | 17715 | 28.837 | 2680.757 | 3114.079 | 1.641 | 2.118 | 373.029 | 1 | 14.686 |
| 10/10/2017 17:55 | 503700 | 12.656 | 17715 | 28.847 | 2680.745 | 3114.047 | 1.641 | 2.118 | 373.031 | 1 | 14.688 |
| 10/10/2017 18:00 | 504000 | 12.651 | 17715 | 28.836 | 2679.875 | 3113.048 | 1.64  | 2.117 | 373.152 | 1 | 14.689 |
| 10/10/2017 18:05 | 504300 | 12.653 | 17715 | 28.839 | 2679.052 | 3112.105 | 1.64  | 2.116 | 373.266 | 1 | 14.689 |
| 10/10/2017 18:10 | 504600 | 12.651 | 17715 | 28.837 | 2678.769 | 3111.763 | 1.64  | 2.116 | 373.306 | 1 | 14.688 |
| 10/10/2017 18:15 | 504900 | 12.651 | 17715 | 28.836 | 2678.381 | 3111.319 | 1.639 | 2.116 | 373.36  | 1 | 14.687 |
| 10/10/2017 18:20 | 505200 | 12.651 | 17715 | 28.836 | 2678.011 | 3110.895 | 1.639 | 2.115 | 373.411 | 1 | 14.688 |
| 10/10/2017 18:25 | 505500 | 12.652 | 17715 | 28.838 | 2677.865 | 3110.719 | 1.639 | 2.115 | 373.432 | 1 | 14.688 |
| 10/10/2017 18:30 | 505800 | 12.652 | 17715 | 28.837 | 2677.656 | 3110.441 | 1.639 | 2.115 | 373.461 | 1 | 14.689 |
| 10/10/2017 18:35 | 506100 | 12.653 | 17715 | 28.839 | 2677.007 | 3109.717 | 1.638 | 2.115 | 373.551 | 1 | 14.688 |
| 10/10/2017 18:40 | 506400 | 12.653 | 17715 | 28.84  | 2676.536 | 3109.182 | 1.638 | 2.114 | 373.617 | 1 | 14.687 |
| 10/10/2017 18:45 | 506700 | 12.652 | 17715 | 28.837 | 2676.36  | 3108.978 | 1.638 | 2.114 | 373.642 | 1 | 14.687 |
| 10/10/2017 18:50 | 507000 | 12.652 | 17715 | 28.838 | 2676.156 | 3108.734 | 1.638 | 2.114 | 373.67  | 1 | 14.687 |
| 10/10/2017 18:55 | 507300 | 12.65  | 17715 | 28.833 | 2675.048 | 3107.441 | 1.637 | 2.113 | 373.825 | 1 | 14.687 |
| 10/10/2017 19:00 | 507600 | 12.651 | 17714 | 28.834 | 2674.618 | 3107.072 | 1.637 | 2.113 | 373.885 | 1 | 14.687 |
| 10/10/2017 19:05 | 507900 | 12.65  | 17715 | 28.832 | 2674.973 | 3107.336 | 1.637 | 2.113 | 373.836 | 1 | 14.    |

|                  |        |        |         |        |           |          |       |       |         |   |        |
|------------------|--------|--------|---------|--------|-----------|----------|-------|-------|---------|---|--------|
| 10/11/2017 5:30  | 545400 | 12.665 | 12.7714 | 28.867 | 3318.943  | 3855.453 | 2.057 | 2.622 | 301.301 | 1 | 14.687 |
| 10/11/2017 5:35  | 545700 | 12.663 | 12.7715 | 28.863 | 3319.786  | 3856.409 | 2.057 | 2.622 | 301.224 | 1 | 14.688 |
| 10/11/2017 5:40  | 546000 | 12.664 | 12.7715 | 28.866 | 3321.162  | 3858.016 | 2.058 | 2.623 | 301.099 | 1 | 14.689 |
| 10/11/2017 5:45  | 546300 | 12.663 | 12.7715 | 28.863 | 3322.269  | 3859.285 | 2.059 | 2.624 | 300.999 | 1 | 14.691 |
| 10/11/2017 5:50  | 546600 | 12.662 | 12.7715 | 28.861 | 3323.15   | 3860.31  | 2.06  | 2.625 | 300.919 | 1 | 14.692 |
| 10/11/2017 5:55  | 546900 | 12.662 | 12.7715 | 28.86  | 3323.89   | 3861.161 | 2.06  | 2.626 | 300.852 | 1 | 14.693 |
| 10/11/2017 6:00  | 547200 | 12.663 | 12.7715 | 28.864 | 3324.807  | 3862.219 | 2.061 | 2.626 | 300.769 | 1 | 14.694 |
| 10/11/2017 6:05  | 547500 | 12.665 | 12.7715 | 28.868 | 3326.277  | 3863.919 | 2.062 | 2.627 | 300.636 | 1 | 14.694 |
| 10/11/2017 6:10  | 547800 | 12.664 | 12.7714 | 28.865 | 3326.371  | 3864.073 | 2.062 | 2.628 | 300.628 | 1 | 14.693 |
| 10/11/2017 6:15  | 548100 | 12.665 | 12.7715 | 28.867 | 3327.549  | 3865.412 | 2.063 | 2.628 | 300.522 | 1 | 14.692 |
| 10/11/2017 6:20  | 548400 | 12.664 | 12.7715 | 28.866 | 3329.165  | 3867.289 | 2.064 | 2.63  | 300.376 | 1 | 14.693 |
| 10/11/2017 6:25  | 548700 | 12.663 | 12.7715 | 28.863 | 3329.629  | 3867.829 | 2.064 | 2.63  | 300.334 | 1 | 14.694 |
| 10/11/2017 6:30  | 549000 | 12.663 | 12.7715 | 28.863 | 3331.827  | 3865.317 | 2.057 | 2.622 | 300.311 | 1 | 14.695 |
| 10/11/2017 6:35  | 549300 | 12.663 | 12.7715 | 28.862 | 3329.994  | 3827.602 | 2.041 | 2.603 | 303.491 | 1 | 14.695 |
| 10/11/2017 6:40  | 549600 | 12.662 | 12.7715 | 28.862 | 33269.804 | 3798.347 | 2.025 | 2.583 | 305.829 | 1 | 14.695 |
| 10/11/2017 6:45  | 549900 | 12.663 | 12.7715 | 28.863 | 3247.103  | 3771.919 | 2.01  | 2.565 | 307.967 | 1 | 14.695 |
| 10/11/2017 6:50  | 550200 | 12.663 | 12.7715 | 28.864 | 3225.037  | 3746.33  | 1.995 | 2.548 | 310.074 | 1 | 14.695 |
| 10/11/2017 6:55  | 550500 | 12.664 | 12.7715 | 28.865 | 3203.673  | 3721.505 | 1.981 | 2.531 | 312.142 | 1 | 14.695 |
| 10/11/2017 7:00  | 550800 | 12.666 | 12.7715 | 28.87  | 3186.115  | 3701.102 | 1.97  | 2.517 | 313.862 | 1 | 14.695 |
| 10/11/2017 7:05  | 551100 | 12.666 | 12.7715 | 28.869 | 3169.886  | 3682.279 | 1.959 | 2.504 | 315.469 | 1 | 14.697 |
| 10/11/2017 7:10  | 551400 | 12.664 | 12.7715 | 28.865 | 3155.795  | 3665.882 | 1.95  | 2.493 | 316.877 | 1 | 14.698 |
| 10/11/2017 7:15  | 551700 | 12.662 | 12.7714 | 28.86  | 3143.504  | 3651.646 | 1.942 | 2.483 | 318.116 | 1 | 14.7   |
| 10/11/2017 7:20  | 552000 | 12.661 | 12.7715 | 28.859 | 3131.539  | 3637.725 | 1.934 | 2.474 | 319.332 | 1 | 14.701 |
| 10/11/2017 7:25  | 552300 | 12.662 | 12.7715 | 28.86  | 3119.787  | 3624.047 | 1.926 | 2.464 | 320.535 | 1 | 14.701 |
| 10/11/2017 7:30  | 552600 | 12.662 | 12.7715 | 28.86  | 3109.245  | 3611.829 | 1.92  | 2.456 | 321.621 | 1 | 14.702 |
| 10/11/2017 7:35  | 552900 | 12.664 | 12.7715 | 28.865 | 3098.732  | 3599.63  | 1.913 | 2.448 | 322.713 | 1 | 14.701 |
| 10/11/2017 7:40  | 553200 | 12.663 | 12.7715 | 28.863 | 3088.47   | 3587.682 | 1.906 | 2.44  | 323.785 | 1 | 14.701 |
| 10/11/2017 7:45  | 553500 | 12.665 | 12.7715 | 28.867 | 3079.458  | 3577.226 | 1.9   | 2.433 | 324.732 | 1 | 14.701 |
| 10/11/2017 7:50  | 553800 | 12.664 | 12.7715 | 28.866 | 3070.548  | 3566.884 | 1.894 | 2.425 | 325.675 | 1 | 14.701 |
| 10/11/2017 7:55  | 554100 | 12.665 | 12.7715 | 28.867 | 3060.886  | 3555.646 | 1.888 | 2.418 | 326.703 | 1 | 14.702 |
| 10/11/2017 8:00  | 554400 | 12.665 | 12.7715 | 28.868 | 3052.055  | 3545.408 | 1.882 | 2.411 | 327.648 | 1 | 14.702 |
| 10/11/2017 8:05  | 554700 | 12.662 | 12.7715 | 28.862 | 3044.56   | 3536.66  | 1.877 | 2.405 | 328.455 | 1 | 14.705 |
| 10/11/2017 8:10  | 555000 | 12.661 | 12.7715 | 28.858 | 3035.364  | 3525.998 | 1.871 | 2.398 | 329.45  | 1 | 14.708 |
| 10/11/2017 8:15  | 555300 | 12.661 | 12.7714 | 28.857 | 3027.264  | 3516.63  | 1.866 | 2.391 | 330.331 | 1 | 14.711 |
| 10/11/2017 8:20  | 555600 | 12.659 | 12.7715 | 28.854 | 3019.496  | 3507.566 | 1.861 | 2.385 | 331.181 | 1 | 14.712 |
| 10/11/2017 8:25  | 555900 | 12.657 | 12.7714 | 28.849 | 3012.95   | 3499.989 | 1.857 | 2.38  | 331.901 | 1 | 14.713 |
| 10/11/2017 8:30  | 556200 | 12.657 | 12.7715 | 28.849 | 3004.175  | 3489.788 | 1.851 | 2.373 | 332.87  | 1 | 14.715 |
| 10/11/2017 8:35  | 556500 | 12.658 | 12.7715 | 28.85  | 2997.57   | 3482.102 | 1.847 | 2.368 | 333.604 | 1 | 14.714 |
| 10/11/2017 8:40  | 556800 | 12.659 | 12.7714 | 28.854 | 2990.142  | 3473.501 | 1.842 | 2.362 | 334.432 | 1 | 14.713 |
| 10/11/2017 8:45  | 557100 | 12.659 | 12.7714 | 28.853 | 2984.193  | 3466.589 | 1.838 | 2.357 | 335.099 | 1 | 14.712 |
| 10/11/2017 8:50  | 557400 | 12.66  | 12.7714 | 28.856 | 2977.13   | 3458.385 | 1.833 | 2.352 | 335.894 | 1 | 14.713 |
| 10/11/2017 8:55  | 557700 | 12.661 | 12.7714 | 28.859 | 2970.533  | 3450.715 | 1.829 | 2.346 | 336.64  | 1 | 14.714 |
| 10/11/2017 9:00  | 558000 | 12.662 | 12.7714 | 28.86  | 2964.791  | 3444.017 | 1.825 | 2.342 | 337.292 | 1 | 14.714 |
| 10/11/2017 9:05  | 558300 | 12.663 | 12.7714 | 28.863 | 2959.844  | 3438.299 | 1.822 | 2.338 | 337.856 | 1 | 14.715 |
| 10/11/2017 9:10  | 558600 | 12.662 | 12.7715 | 28.862 | 2953.075  | 3430.422 | 1.818 | 2.333 | 338.63  | 1 | 14.717 |
| 10/11/2017 9:15  | 558900 | 12.663 | 12.7715 | 28.863 | 2948.052  | 3424.573 | 1.814 | 2.329 | 339.207 | 1 | 14.718 |
| 10/11/2017 9:20  | 559200 | 12.659 | 12.7715 | 28.854 | 2942.13   | 3417.694 | 1.81  | 2.324 | 339.89  | 1 | 14.721 |
| 10/11/2017 9:25  | 559500 | 12.657 | 12.7715 | 28.848 | 2936.741  | 3411.428 | 1.807 | 2.32  | 340.513 | 1 | 14.724 |
| 10/11/2017 9:30  | 559800 | 12.653 | 12.7715 | 28.84  | 2932.132  | 3406.093 | 1.804 | 2.316 | 341.049 | 1 | 14.727 |
| 10/11/2017 9:35  | 560100 | 12.652 | 12.7715 | 28.839 | 2927.176  | 3400.322 | 1.801 | 2.312 | 341.626 | 1 | 14.727 |
| 10/11/2017 9:40  | 560400 | 12.654 | 12.7715 | 28.842 | 2923.184  | 3395.706 | 1.798 | 2.309 | 342.093 | 1 | 14.727 |
| 10/11/2017 9:45  | 560700 | 12.655 | 12.7715 | 28.844 | 2918.502  | 3390.241 | 1.795 | 2.305 | 342.642 | 1 | 14.727 |
| 10/11/2017 9:50  | 561000 | 12.655 | 12.7714 | 28.844 | 2912.981  | 3383.859 | 1.792 | 2.301 | 343.291 | 1 | 14.727 |
| 10/11/2017 9:55  | 561300 | 12.656 | 12.7714 | 28.847 | 2907.938  | 3378.001 | 1.788 | 2.297 | 343.886 | 1 | 14.728 |
| 10/11/2017 10:00 | 561600 | 12.656 | 12.7714 | 28.847 | 2903.395  | 3372.73  | 1.785 | 2.293 | 344.424 | 1 | 14.728 |
| 10/11/2017 10:05 | 561900 | 12.657 | 12.7714 | 28.849 | 2898.975  | 3367.596 | 1.782 | 2.29  | 344.95  | 1 | 14.726 |
| 10/11/2017 10:10 | 562200 | 12.659 | 12.7715 | 28.853 | 2894.781  | 3362.705 | 1.78  | 2.287 | 345.449 | 1 | 14.724 |
| 10/11/2017 10:15 | 562500 | 12.66  | 12.7714 | 28.855 | 2890.238  | 3357.447 | 1.777 | 2.283 | 345.992 | 1 | 14.723 |
| 10/11/2017 10:20 | 562800 | 12.66  | 12.7715 | 28.857 | 2886.565  | 3353.154 | 1.774 | 2.28  | 346.433 | 1 | 14.722 |
| 10/11/2017 10:25 | 563100 | 12.661 | 12.7715 | 28.859 | 2882.344  | 3348.264 | 1.772 | 2.277 | 346.94  | 1 | 14.721 |
| 10/11/2017 10:30 | 563400 | 12.662 | 12.7715 | 28.861 | 2878.898  | 3344.235 | 1.769 | 2.274 | 347.355 | 1 | 14.721 |
| 10/11/2017 10:35 | 563700 | 12.66  | 12.7715 | 28.857 | 2875.465  | 3339.657 | 1.767 | 2.271 | 347.767 | 1 | 14.721 |
| 10/11/2017 10:40 | 564000 | 12.657 | 12.7715 | 28.849 | 2871.949  | 3336.189 | 1.765 | 2.269 | 348.196 | 1 | 14.724 |
| 10/11/2017 10:45 | 564300 | 12.656 | 12.7715 | 28.846 | 2867.907  | 3331.486 | 1.762 | 2.265 | 348.686 | 1 | 14.725 |
| 10/11/2017 10:50 | 564600 | 12.654 | 12.7715 | 28.843 | 2864.841  | 3327.918 | 1.76  | 2.263 | 349.06  | 1 | 14.726 |
| 10/11/2017 10:55 | 564900 | 12.655 | 12.7714 | 28.844 | 2861.416  | 3323.973 | 1.758 | 2.26  | 349.477 | 1 | 14.727 |
| 10/11/2017 11:00 | 565200 | 12.652 | 12.7715 | 28.838 | 2858.966  | 3321.1   | 1.756 | 2.258 | 349.777 | 1 | 14.727 |
| 10/11/2017 11:05 | 565500 | 12.653 | 12.7715 | 28.841 | 2855.91   | 3317.543 | 1.753 | 2.256 | 350.151 | 1 | 14.726 |
| 10/11/2017 11:10 | 565800 | 12.655 | 12.7714 | 28.844 | 2852.55   | 3313.667 | 1.752 | 2.253 | 350.564 | 1 | 14.725 |
| 10/11/2017 11:15 | 566100 | 12.654 | 12.7714 | 28.842 | 2849.571  | 3310.199 | 1.75  | 2.251 | 350.93  | 1 | 14.724 |
| 10/11/2017 11:20 | 566400 | 12.654 | 12.7714 | 28.843 | 2847.387  | 3307.669 | 1.749 | 2.249 | 351.199 | 1 | 14.724 |
| 10/11/2017 11:25 | 566700 | 12.655 | 12.7714 | 28.844 | 2844.313  | 3304.098 | 1.747 | 2.247 | 351.579 | 1 | 14.725 |
| 10/11/2017 11:30 | 567000 | 12.653 | 12.7715 | 28.841 | 2842.87   | 3302.396 | 1.746 | 2.246 | 351.757 | 1 | 14.725 |
| 10/11/2017 11:35 | 567300 | 12.655 | 12.7714 | 28.844 | 2839.678  | 3298.714 | 1.744 | 2.243 | 352.153 | 1 | 14.721 |
| 10/11/2017 11:40 | 567600 | 12.656 | 12.7714 | 28.847 | 2836.845  | 3295.423 | 1.742 | 2.241 | 352.504 | 1 | 14.721 |
| 10/11/2017 11:45 | 567900 | 12.658 | 12.7715 | 28.852 | 2834.854  | 3293.091 | 1.741 | 2.239 | 352.752 | 1 | 14.72  |
| 10/11/2017 11:50 | 568200 | 12.659 | 12.7715 | 28.854 | 2832.528  | 3290.389 | 1.739 | 2.237 | 353.041 | 1 | 14.72  |
| 10/11/2017 11:55 | 568500 | 12.657 | 12.7714 | 28.849 | 2830.839  | 3288.44  | 1.738 | 2.236 | 353.252 | 1 | 14.721 |
| 10/11/2017 12:00 | 568800 | 12.655 | 12.7715 | 28.845 | 2828.882  | 3286.153 | 1.737 | 2.235 | 353.497 | 1 | 14.721 |
| 10/11/2017 12:05 | 569100 | 12.652 | 12.7714 | 28.839 | 2827.271  | 3284.289 | 1.736 | 2.233 | 353.698 | 1 | 14.722 |
| 10/11/2017 12:10 | 569400 | 12.652 | 12.7715 | 28.837 | 2824.781  | 3281.382 | 1.734 | 2.231 | 354.01  | 1 | 14.723 |
| 10/11/2017 12:15 | 569700 | 12.649 | 12.7714 | 28.83  | 2822.468  | 3278.721 | 1.733 | 2.23  | 354.3   | 1 | 14.724 |
| 10/11/2017 12:20 | 570000 | 12.65  | 12.7714 | 28.832 | 2820.369  | 3276.29  | 1.731 | 2.228 | 354.564 | 1 | 14.722 |
| 10/11/2017 12:25 | 570300 | 12.651 | 12.7715 | 28.836 | 2819.21   | 3274.925 | 1.731 | 2.227 | 354.709 | 1 | 14.721 |
| 10/11/2017 12:30 | 570600 | 12.653 | 12.7715 | 28.839 | 2817.078  | 3272.435 | 1.729 | 2.225 | 354.978 | 1 | 14.719 |
| 10/11/2017 12:35 | 570900 | 12.655 | 12.7714 | 28.846 | 2815.539  | 3270.476 | 1.728 | 2.224 | 355.195 | 1 | 14.719 |
| 10/11/2017       |        |        |         |        |           |          |       |       |         |   |        |

|                  |        |        |        |        |          |          |       |       |         |   |        |
|------------------|--------|--------|--------|--------|----------|----------|-------|-------|---------|---|--------|
| 10/11/2017 23:05 | 608700 | 12.635 | 17.714 | 28.8   | 2997.078 | 3481.557 | 1.846 | 2.367 | 333.658 | 1 | 14.739 |
| 10/11/2017 23:10 | 609000 | 12.636 | 17.715 | 28.801 | 3010.628 | 3497.284 | 1.855 | 2.378 | 332.157 | 1 | 14.739 |
| 10/11/2017 23:15 | 609300 | 12.636 | 17.714 | 28.801 | 3024.203 | 3513.061 | 1.864 | 2.389 | 330.666 | 1 | 14.739 |
| 10/11/2017 23:20 | 609600 | 12.636 | 17.714 | 28.802 | 3036.558 | 3527.433 | 1.872 | 2.399 | 329.32  | 1 | 14.739 |
| 10/11/2017 23:25 | 609900 | 12.637 | 17.714 | 28.804 | 3047.746 | 3540.443 | 1.879 | 2.408 | 328.111 | 1 | 14.738 |
| 10/11/2017 23:30 | 610200 | 12.637 | 17.715 | 28.804 | 3059.35  | 3553.875 | 1.887 | 2.417 | 326.867 | 1 | 14.737 |
| 10/11/2017 23:35 | 610500 | 12.637 | 17.715 | 28.803 | 3071.596 | 3568.094 | 1.895 | 2.426 | 325.564 | 1 | 14.738 |
| 10/11/2017 23:40 | 610800 | 12.636 | 17.715 | 28.801 | 3082.531 | 3580.81  | 1.902 | 2.435 | 324.409 | 1 | 14.739 |
| 10/11/2017 23:45 | 611100 | 12.635 | 17.714 | 28.8   | 3093.016 | 3593.011 | 1.909 | 2.443 | 323.309 | 1 | 14.74  |
| 10/11/2017 23:50 | 611400 | 12.639 | 17.714 | 28.807 | 3103.42  | 3605.112 | 1.916 | 2.451 | 322.225 | 1 | 14.737 |
| 10/11/2017 23:55 | 611700 | 12.64  | 17.714 | 28.81  | 3114.53  | 3618.003 | 1.923 | 2.46  | 321.076 | 1 | 14.734 |

Report Date: 10/13/2017 8:36  
Report User Name: WMassoll  
Report Computer Name: WKST52  
Application: WinSitu.exe  
Application Version: 5.6.27.1

Log File Properties  
File Name MPWSP MW-5D Pre Test\_2017-10-12\_13-11-38-054-BaroMerge.wsl  
Create Date 10/13/2017 8:31

Device Properties  
Device Aqua TROLL 200  
Site MPWSP MW-5D  
Device Name  
Serial Number 398697  
Firmware Version 2  
Hardware Version 2  
Device Address 1  
Device Comm Cfg 19200 8 Even 1 (Modbus-RTU)  
Used Memory 87  
Used Battery 37

Log Configuration  
Log Name MPWSP MW-5D Pre Test  
Created By Skuiper  
Computer Name PROBOOK8  
Application WinSitu.exe  
Application Version 5.6.25.0  
Create Date 1/26/2017 10:34:48 AM Pacific Standard Time  
Log Setup Time Zone Pacific Standard Time  
Notes Size(bytes) 4096  
Overwrite when full Enabled  
Scheduled Start Time 1/26/2017 10:45:00 AM Pacific Standard Time  
Scheduled Stop Time No Stop Time  
Type Linear  
Interval Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation  
Level Measurement Mode  
Specific Gravity 1.012  
Depth

Other Log Settings  
Depth of Probe: 369.568 (ft)  
Head Pressure: 162.141 (PSI)  
Temperature: 21.3228 (C)  
Specific Conductivity Model: Standard Methods  
Reference Temperature: 25  
Temperature Coefficient: 0.0191  
TDS Factor: 0.68

Log Notes:  
Date and Time Note  
1/26/2017 10:36 Sensor SN: 398697 Factory calibration has expired.: 1/14/2016 1:56:18 PM  
1/26/2017 10:36 Used Battery: 37% Used Memory: 90% User Name: Skuiper  
1/26/2017 10:46 Log Download - Used Battery: 37% Used Memory: 90% User Name: Skuiper  
2/2/2017 18:25 Log Download - Used Battery: 37% Used Memory: 90% User Name: WMassoll Interval - Start Time: 1/26/2017 10:45:00 AM Stop Time: 2/2/2017 7:15:00 PM  
2/9/2017 15:08 Log Download - Used Battery: 37% Used Memory: 92% User Name: EHernandez Interval - Start Time: 2/1/2017 12:00:00 AM Stop Time: 2/9/2017 4:00:00 PM  
2/16/2017 11:26 Log Download - Used Battery: 38% Used Memory: 92% User Name: WMassoll Interval - Start Time: 2/8/2017 10:00:00 PM Stop Time: 2/16/2017 11:15:00 AM  
2/23/2017 14:47 Log Download - Used Battery: 38% Used Memory: 93% User Name: EHernandez Interval - Start Time: 2/15/2017 12:00:00 AM Stop Time: 2/23/2017 3:45:00 PM  
3/2/2017 16:19 Log Download - Used Battery: 38% Used Memory: 93% User Name: Skuiper Interval - Start Time: 1/31/2017 10:00:00 PM Stop Time: 3/2/2017 5:15:00 PM  
3/9/2017 11:43 Log Download - Used Battery: 39% Used Memory: 95% User Name: WMassoll Interval - Start Time: 3/1/2017 11:30:00 PM Stop Time: 3/9/2017 11:30:00 AM  
3/16/2017 15:44 Log Download - Used Battery: 39% Used Memory: 95% User Name: WMassoll Interval - Start Time: 3/8/2017 10:00:00 PM Stop Time: 3/16/2017 4:30:00 PM  
3/23/2017 14:34 Log Download - Used Battery: 40% Used Memory: 96% User Name: AVanHaitsma Interval - Start Time: 3/15/2017 10:00:00 PM Stop Time: 3/23/2017 3:30:00 PM  
3/30/2017 12:49 Log Download - Used Battery: 40% Used Memory: 96% User Name: AVanHaitsma Interval - Start Time: 3/22/2017 10:00:00 PM Stop Time: 3/30/2017 1:45:00 PM  
4/6/2017 12:38 Log Download - Used Battery: 40% Used Memory: 98% User Name: WMassoll Interval - Start Time: 2/28/2017 12:00:00 PM Stop Time: 4/6/2017 1:30:00 PM  
4/13/2017 10:52 Log Download - Used Battery: 41% Used Memory: 98% User Name: WMassoll Interval - Start Time: 4/5/2017 12:00:00 PM Stop Time: 4/13/2017 1:45:00 PM  
4/20/2017 11:52 Log Download - Used Battery: 41% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 4/12/2017 10:00:00 PM Stop Time: 4/20/2017 12:45:00 PM  
4/27/2017 11:47 Log Download - Used Battery: 41% Used Memory: 100% User Name: WMassoll Interval - Start Time: 4/19/2017 10:00:00 PM Stop Time: 4/27/2017 12:45:00 PM  
5/4/2017 12:17 Log Download - Used Battery: 42% Used Memory: 98% User Name: AVanHaitsma Interval - Start Time: 3/31/2017 10:00:00 PM Stop Time: 5/4/2017 1:15:00 PM  
5/11/2017 11:29 Log Download - Used Battery: 42% Used Memory: 98% User Name: AVanHaitsma Interval - Start Time: 5/3/2017 10:00:00 PM Stop Time: 5/11/2017 12:15:00 PM  
5/18/2017 17:29 Log Download - Used Battery: 43% Used Memory: 100% User Name: WMassoll Interval - Start Time: 5/10/2017 10:00:00 PM Stop Time: 5/18/2017 7:00:00 PM  
5/25/2017 11:02 Log Download - Used Battery: 43% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 5/17/2017 10:00:00 PM Stop Time: 5/25/2017 11:45:00 AM  
6/1/2017 16:48 Log Download - Used Battery: 43% Used Memory: 100% User Name: WMassoll Interval - Start Time: 4/30/2017 10:00:00 PM Stop Time: 6/1/2017 5:45:00 PM  
6/8/2017 11:18 Log Download - Used Battery: 44% Used Memory: 100% User Name: WMassoll Interval - Start Time: 6/1/2017 10:00:00 PM Stop Time: 6/8/2017 12:00:00 PM  
6/15/2017 7:55 Log Download - Used Battery: 44% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 6/7/2017 10:00:00 PM Stop Time: 6/15/2017 8:45:00 AM  
6/15/2017 10:21 Log Download - Used Battery: 44% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 6/7/2017 10:00:00 PM Stop Time: 6/15/2017 10:45:00 AM  
6/22/2017 11:51 Log Download - Used Battery: 45% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 6/14/2017 10:00:00 PM Stop Time: 6/22/2017 12:45:00 PM  
6/29/2017 14:52 Log Download - Used Battery: 45% Used Memory: 100% User Name: WMassoll Interval - Start Time: 6/21/2017 10:00:00 PM Stop Time: 6/29/2017 3:45:00 PM  
7/6/2017 8:05 Log Download - Used Battery: 45% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 6/31/2017 10:00:00 PM Stop Time: 7/6/2017 9:00:00 AM  
7/13/2017 11:42 Log Download - Used Battery: 46% Used Memory: 100% User Name: WMassoll Interval - Start Time: 7/5/2017 10:00:00 PM Stop Time: 7/13/2017 12:30:00 PM  
7/20/2017 10:46 Log Download - Used Battery: 46% Used Memory: 100% User Name: WMassoll Interval - Start Time: 7/12/2017 10:00:00 PM Stop Time: 7/20/2017 11:45:00 AM  
7/27/2017 10:05 Log Download - Used Battery: 46% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 7/19/2017 10:00:00 PM Stop Time: 7/27/2017 11:00:00 AM  
8/3/2017 9:38 Log Download - Used Battery: 47% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 6/30/2017 10:00:00 PM Stop Time: 8/3/2017 10:30:00 AM  
8/10/2017 10:54 Log Download - Used Battery: 47% Used Memory: 100% User Name: WMassoll Interval - Start Time: 8/2/2017 10:00:00 PM Stop Time: 8/10/2017 10:45:00 AM  
8/10/2017 10:56 Log Download - Used Battery: 47% Used Memory: 100% User Name: WMassoll Interval - Start Time: 8/2/2017 10:00:00 PM Stop Time: 8/10/2017 11:45:00 AM  
8/17/2017 14:25 Log Download - Used Battery: 47% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 8/9/2017 10:00:00 PM Stop Time: 8/17/2017 4:15:00 PM  
8/24/2017 12:50 Log Download - Used Battery: 48% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 8/16/2017 10:00:00 PM Stop Time: 8/24/2017 1:45:00 PM  
9/1/2017 12:04 Log Download - Used Battery: 48% Used Memory: 100% User Name: WMassoll Interval - Start Time: 7/31/2017 10:00:00 PM Stop Time: 9/1/2017 12:45:00 PM  
9/7/2017 12:41 Log Download - Used Battery: 49% Used Memory: 100% User Name: WMassoll Interval - Start Time: 8/31/2017 10:00:00 PM Stop Time: 9/7/2017 1:30:00 PM  
9/14/2017 14:03 Log Download - Used Battery: 49% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 9/6/2017 10:00:00 PM Stop Time: 9/14/2017 3:00:00 PM  
9/21/2017 10:34 Log Download - Used Battery: 49% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 9/15/2017 10:00:00 PM Stop Time: 9/21/2017 11:30:00 AM  
9/28/2017 11:38 Log Download - Used Battery: 50% Used Memory: 100% User Name: WMassoll Interval - Start Time: 9/20/2017 10:00:00 PM Stop Time: 9/28/2017 12:30:00 PM  
10/5/2017 12:29 Log Download - Used Battery: 50% Used Memory: 100% User Name: WMassoll Interval - Start Time: 8/31/2017 10:00:00 PM Stop Time: 10/5/2017 1:30:00 PM  
10/12/2017 13:13 Log Download - Used Battery: 50% Used Memory: 100% User Name: AVanHaitsma Interval - Start Time: 10/4/2017 10:00:00 PM Stop Time: 10/12/2017 2:00:00 PM  
10/13/2017 8:31 User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll\_2017-10-12\_17-14-36-585.wsl""

Log Data:  
Record Count 733  
Sensors 2  
1 398697 PCTD 300 PSIA (200.7m/658.7ft)  
2 0 Baro-Adjustment Calc

Time Zone: Pacific Daylight Time

| Date and Time   | Elapsed Time<br>Seconds | Sensor: PCTD(A) 658.7ft     | Sensor: PCTD(A) 658.7ft | Sensor: PCTD(A) 658.7ft | Sensor: PCTD(A) 658.7ft     | Sensor: PCTD(A) 658.7ft       | Sensor: PCTD(A) 658.7ft | Sensor: PCTD(A) 658.7ft      | Sensor: PCTD(A) 658.7ft | Sensor: Baro-Adj Calc |                           |
|-----------------|-------------------------|-----------------------------|-------------------------|-------------------------|-----------------------------|-------------------------------|-------------------------|------------------------------|-------------------------|-----------------------|---------------------------|
|                 |                         | SN: 398697                  | SN: 398697              | SN: 398697              | SN: 398697                  | SN: 398697                    | SN: 398697              | SN: 398697                   | SN: 398697              | SN: 000000            |                           |
|                 |                         | Corrected<br>Pressure (PSI) | Temperature (C)         | Corrected<br>Depth (ft) | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm) | Salinity (PSU)          | Total Dissolved Solids (ppt) | Resistivity (ohm-cm)    | Water Density (g/cm3) | Barometric Pressure (PSI) |
| 10/5/2017 0:00  | 7200                    | 143.163                     | 21.333                  | 326.312                 | 5209.304                    | 5601.587                      | 3.067                   | 3.809                        | 191.964                 | 1                     | 14.751                    |
| 10/5/2017 0:15  | 8100                    | 143.126                     | 21.333                  | 326.228                 | 5209.742                    | 5602.089                      | 3.068                   | 3.809                        | 191.948                 | 1                     | 14.749                    |
| 10/5/2017 0:30  | 9000                    | 143.155                     | 21.333                  | 326.295                 | 5209.49                     | 5601.798                      | 3.067                   | 3.809                        | 191.957                 | 1                     | 14.752                    |
| 10/5/2017 0:45  | 9900                    | 143.123                     | 21.334                  | 326.222                 | 5209.691                    | 5601.923                      | 3.068                   | 3.809                        | 191.95                  | 1                     | 14.745                    |
| 10/5/2017 1:00  | 10800                   | 143.175                     | 21.334                  | 326.34                  | 5209.814                    | 5602.025                      | 3.068                   | 3.809                        | 191.945                 | 1                     | 14.737                    |
| 10/5/2017 1:15  | 11700                   | 143.175                     | 21.333                  | 326.344                 | 5209.956                    | 5602.643                      | 3.068                   | 3.81                         | 191.94                  | 1                     | 14.744                    |
| 10/5/2017 1:30  | 12600                   | 143.17                      | 21.338                  | 326.328                 | 5209.748                    | 5601.591                      | 3.067                   | 3.809                        | 191.948                 | 1                     | 14.743                    |
| 10/5/2017 1:45  | 13500                   | 143.171                     | 21.332                  | 326.33                  | 5210.831                    | 5603.451                      | 3.068                   | 3.81                         | 191.908                 | 1                     | 14.745                    |
| 10/5/2017 2:00  | 14400                   | 143.145                     | 21.329                  | 326.271                 | 5210.835                    | 5603.779                      | 3.069                   | 3.811                        | 191.908                 | 1                     | 14.742                    |
| 10/5/2017 2:15  | 15300                   | 143.17                      | 21.333                  | 326.329                 | 5211.292                    | 5603.827                      | 3.069                   | 3.811                        | 191.891                 | 1                     | 14.745                    |
| 10/5/2017 2:30  | 16200                   | 143.147                     | 21.327                  | 326.276                 | 5210.681                    | 5603.775                      | 3.069                   | 3.811                        | 191.913                 | 1                     | 14.746                    |
| 10/5/2017 2:45  | 17100                   | 143.188                     | 21.326                  | 326.369                 | 5210.622                    | 5603.831                      | 3.069                   | 3.811                        | 191.916                 | 1                     | 14.744                    |
| 10/5/2017 3:00  | 18000                   | 143.192                     | 21.333                  | 326.379                 | 5211.695                    | 5604.25                       | 3.069                   | 3.811                        | 191.876                 | 1                     | 14.739                    |
| 10/5/2017 3:15  | 18900                   | 143.181                     | 21.334                  | 326.355                 | 5212.104                    | 5604.508                      | 3.069                   | 3.811                        | 191.861                 | 1                     | 14.748                    |
| 10/5/2017 3:30  | 19800                   | 143.189                     | 21.335                  | 326.373                 | 5211.377                    | 5603.606                      | 3.069                   | 3.81                         | 191.888                 | 1                     | 14.738                    |
| 10/5/2017 3:45  | 20700                   | 143.189                     | 21.335                  | 326.373                 | 5213.087                    | 5605.474                      | 3.07                    | 3.812                        | 191.825                 | 1                     | 14.739                    |
| 10/5/2017 4:00  | 21600                   | 143.186                     | 21.342                  | 326.366                 | 5214.952                    | 5606.682                      | 3.07                    | 3.813                        | 191.756                 | 1                     | 14.739                    |
| 10/5/2017 4:15  | 22500                   | 143.192                     | 21.34                   | 326.378                 | 5215.991                    | 5607.981                      | 3.071                   | 3.813                        | 191.718                 | 1                     | 14.74                     |
| 10/5/2017 4:30  | 23400                   | 143.194                     | 21.339                  | 326.382                 | 5215.765                    | 5607.93                       | 3.071                   | 3.813                        | 191.726                 | 1                     | 14.737                    |
| 10/5/2017 4:45  | 24300                   | 143.19                      | 21.342                  | 326.375                 | 5217.46                     | 5609.409                      | 3.072                   | 3.814                        | 191.664                 | 1                     | 14.739                    |
| 10/5/2017 5:00  | 25200                   | 143.196                     | 21.336                  | 326.387                 | 5216.492                    | 5609.024                      | 3.072                   | 3.814                        | 191.7                   | 1                     | 14.736                    |
| 10/5/2017 5:15  | 26100                   | 143.193                     | 21.335                  | 326.381                 | 5216.835                    | 5609.544                      | 3.072                   | 3.814                        | 191.687                 | 1                     | 14.741                    |
| 10/5/2017 5:30  | 27000                   | 143.204                     | 21.339                  | 326.406                 | 5217.238                    | 5609.441                      | 3.072                   | 3.814                        | 191.673                 | 1                     | 14.738                    |
| 10/5/2017 5:45  | 27900                   | 143.189                     | 21.342                  | 326.373                 | 5218.446                    | 5610.418                      | 3.073                   | 3.815                        | 191.628                 | 1                     | 14.74                     |
| 10/5/2017 6:00  | 28800                   | 143.158                     | 21.337                  | 326.301                 | 5218.327                    | 5610.916                      | 3.073                   | 3.815                        | 191.632                 | 1                     | 14.737                    |
| 10/5/2017 6:15  | 29700                   | 143.199                     | 21.334                  | 326.394                 | 5217.354                    | 5610.223                      | 3.072                   | 3.815                        | 191.668                 | 1                     | 14.739                    |
| 10/5/2017 6:30  | 30600                   | 143.199                     | 21.337                  | 326.395                 | 5218.835                    | 5611.372                      | 3.073                   | 3.816                        | 191.614                 | 1                     | 14.738                    |
| 10/5/2017 6:45  | 31500                   | 143.159                     | 21.33                   | 326.302                 | 5217.934                    | 5611.252                      | 3.073                   | 3.816                        | 191.647                 | 1                     | 14.739                    |
| 10/5/2017 7:00  | 32400                   | 143.205                     | 21.334                  | 326.409                 | 5217.398                    | 5610.24                       | 3.072                   | 3.815                        | 191.666                 | 1                     | 14.735                    |
| 10/5/2017 7:15  | 33300                   | 143.208                     | 21.332                  | 326.416                 | 5217.501                    | 5610.543                      | 3.073                   | 3.815                        | 191.663                 | 1                     | 14.74                     |
| 10/5/2017 7:30  | 34200                   | 143.214                     | 21.333                  | 326.428                 | 5219.01                     | 5612.066                      | 3.073                   | 3.816                        | 191.607                 | 1                     | 14.732                    |
| 10/5/2017 7:45  | 35100                   | 143.201                     | 21.334                  | 326.399                 | 5217.857                    | 5610.704                      | 3.073                   | 3.815                        | 191.65                  | 1                     | 14.737                    |
| 10/5/2017 8:00  | 36000                   | 143.198                     | 21.339                  | 326.392                 | 5219.368                    | 5611.824                      | 3.073                   | 3.816                        | 191.594                 | 1                     | 14.742                    |
| 10/5/2017 8:15  | 36900                   | 143.191                     | 21.339                  | 326.376                 | 5219.703                    | 5612.173                      | 3.074                   | 3.816                        | 191.582                 | 1                     | 14.745                    |
| 10/5/2017 8:30  | 37800                   | 143.212                     | 21.34                   | 326.424                 | 5219.718                    | 5611.998                      | 3.073                   | 3.816                        | 191.581                 | 1                     | 14.738                    |
| 10/5/2017 8:45  | 38700                   | 143.207                     | 21.338                  | 326.413                 | 5220.138                    | 5612.662                      | 3.074                   | 3.817                        | 191.566                 | 1                     | 14.741                    |
| 10/5/2017 9:00  | 39600                   | 143.206                     | 21.334                  | 326.411                 | 5221.232                    | 5614.363                      | 3.075                   | 3.818                        | 191.526                 | 1                     | 14.743                    |
| 10/5/2017 9:15  | 40500                   | 143.209                     | 21.335                  | 326.417                 | 5221.35                     | 5614.339                      | 3.075                   | 3.818                        | 191.521                 | 1                     | 14.74                     |
| 10/5/2017 9:30  | 41400                   | 143.164                     | 21.336                  | 326.316                 | 5221.439                    | 5614.293                      | 3.075                   | 3.818                        | 191.518                 | 1                     | 14.74                     |
| 10/5/2017 9:45  | 42300                   | 143.211                     | 21.335                  | 326.423                 | 5222.193                    | 5615.296                      | 3.075                   | 3.818                        | 191.49                  | 1                     | 14.742                    |
| 10/5/2017 10:00 | 43200                   | 143.216                     | 21.338                  | 326.433                 | 5223.125                    | 5615.955                      | 3.076                   | 3.819                        | 191.456                 | 1                     | 14.739                    |
| 10/5/2017 10:15 | 44100                   | 143.199                     | 21.335                  | 326.394                 | 5221.94                     | 5615.045                      | 3.075                   | 3.818                        | 191.5                   | 1                     | 14.747                    |
| 10/5/2017 10:30 | 45000                   | 143.222                     | 21.331                  | 326.447                 | 5222.148                    | 5615.641                      | 3.076                   | 3.819                        | 191.492                 | 1                     | 14.738                    |
| 10/5/2017 10:45 | 45900                   | 143.218                     | 21.336                  | 326.437                 | 5221.446                    | 5614.402                      | 3.075                   | 3.818                        | 191.518                 | 1                     | 14.741                    |
| 10/5/2017 11:00 | 46800                   | 143.223                     | 21.337                  | 326.45                  | 5222.419                    | 5615.246                      | 3.075                   | 3.818                        | 191.482                 | 1                     | 14.738                    |
| 10/5/2017 11:15 | 47700                   | 143.223                     | 21.338                  | 326.45                  | 5223.402                    | 5616.272                      | 3.076                   | 3.819                        | 191.446                 | 1                     | 14.735                    |
| 10/5/2017 11:30 | 48600                   | 143.225                     | 21.336                  | 326.453                 | 5223.178                    | 5616.173                      | 3.076                   | 3.819                        | 191.454                 | 1                     | 14.736                    |
| 10/5/2017 11:45 | 49500                   | 143.216                     | 21.335                  | 326.434                 | 5223.155                    | 5616.351                      | 3.076                   | 3.819                        | 191.455                 | 1                     | 14.742                    |
| 10/5/2017 12:00 | 50400                   | 143.23                      | 21.337                  | 326.465                 | 5223.615                    | 5616.562                      | 3.076                   | 3.819                        | 191.438                 | 1                     | 14.737                    |
| 10/5/2017 12:15 | 51300                   | 143.226                     | 21.321                  | 326.457                 | 5222.097                    | 5616.769                      | 3.076                   | 3.819                        | 191.494                 | 1                     | 14.735                    |
| 10/5/2017 12:30 | 52200                   | 143.225                     | 21.334                  | 326.455                 | 5223.548                    | 5616.843                      | 3.076                   | 3.819                        | 191.441                 | 1                     | 14.736                    |
| 10/5/2017 12:45 | 53100                   | 143.242                     | 21.33                   | 326.492                 | 5224.131                    | 5617.925                      | 3.077                   | 3.82                         | 191.419                 | 1                     | 14.729                    |
| 10/5/2017 13:00 | 54000                   | 143.196                     | 21.336                  | 326.389                 | 5224.249                    | 5617.884                      | 3.077                   | 3.82                         | 191.415                 | 1                     | 14.734                    |
| 10/5/2017 13:15 | 54900                   | 143.245                     | 21.327                  | 326.499                 | 5227.426                    | 5616.446                      | 3.076                   | 3.819                        | 191.482                 | 1                     | 14.727                    |
| 10/5/2017 13:30 | 55800                   | 143.252                     | 21.329                  | 326.515                 | 5223.461                    | 5617.337                      | 3.077                   | 3.82                         | 191.444                 | 1                     | 14.724                    |
| 10/5/2017 13:45 | 56700                   | 143.249                     | 21.328                  | 326.508                 | 5224.043                    | 5618.075                      | 3.077                   | 3.82                         | 191.423                 | 1                     | 14.723                    |
| 10/5/2017 14:00 | 57600                   | 143.257                     | 21.334                  | 326.526                 | 5225.046                    | 5618.475                      | 3.077                   | 3.821                        | 191.386                 | 1                     | 14.721                    |
| 10/5/2017 14:15 | 58500                   | 143.251                     | 21.334                  | 326.513                 | 5225.717                    | 5619.135                      | 3.078                   | 3.821                        | 191.361                 | 1                     | 14.721                    |
| 10/5/2017 14:30 | 59400                   | 143.261                     | 21.33                   | 326.536                 | 5226.285                    | 5620.262                      | 3.078                   | 3.822                        | 191.34                  | 1                     | 14.717                    |
| 10/5/2017 14:45 | 60300                   | 143.258                     | 21.327                  | 326.529                 | 5225.847                    | 5620.112                      | 3.078                   | 3.822                        | 191.357                 | 1                     | 14.719                    |
| 10/5/2017 15:00 | 61200                   | 143.231                     | 21.329                  | 326.468                 | 5225.643                    | 5619.713                      | 3.078                   | 3.821                        | 191.364                 | 1                     | 14.716                    |
| 10/5/2017 15:15 | 62100                   | 143.224                     | 21.328                  | 326.453                 | 5227.425                    | 5621.721                      | 3.079                   | 3.823                        | 191.299                 | 1                     | 14.712                    |
| 10/5/2017 15:30 | 63000                   | 143.231                     | 21.331                  | 326.468                 | 5228.098                    | 5622.07                       | 3.079                   | 3.823                        | 191.274                 | 1                     | 14.713                    |
| 10/5/2017 15:45 | 63900                   | 143.272                     | 21.332                  | 326.562                 | 5228.741                    | 5622.681                      | 3.08                    | 3.823                        | 191.251                 | 1                     | 14.707                    |
| 10/5/2017 16:00 | 64800                   | 143.266                     | 21.327                  | 326.548                 | 5228.383                    | 5622.881                      | 3.08                    | 3.824                        | 191.264                 | 1                     | 14.714                    |
| 10/5/2017 16:15 | 65700                   | 143.277                     | 21.318                  | 326.573                 | 5227.548                    | 5622.987                      | 3.08                    | 3.824                        | 191.294                 | 1                     | 14.708                    |
| 10/5/2017 16:30 | 66600                   | 143.283                     | 21.317                  | 326.585                 | 5227.755                    | 5623.291                      | 3.08                    | 3.824                        | 191.287                 | 1                     | 14.701                    |
| 10/5/2017 16:45 | 67500                   | 143.274                     | 21.328                  | 326.565                 | 5229.623                    | 5624.085                      | 3.08                    | 3.824                        | 191.218                 | 1                     | 14.706                    |
| 10/5/2017 17:00 | 68400                   | 143.269                     | 21.333                  | 326.553                 | 5229.747                    | 5623.632                      | 3.08                    | 3.824                        | 191.214                 | 1                     | 14.707                    |
| 10/5/2017 17:15 | 69300                   | 143.27                      | 21.328                  | 326.556                 | 5231.277                    | 5625.864                      | 3.082                   | 3.826                        | 191.158                 | 1                     | 14.708                    |
| 10/5/2017 17:30 | 70200                   | 143.279                     | 21.328                  | 326.578                 | 5232.808                    | 5631.234                      | 3.085                   | 3.826                        | 191.159                 | 1                     | 14.704                    |
| 10/5/2017 17:45 | 71100                   | 143.285                     | 21.329                  | 326.591                 | 5232.111                    | 5626.628                      | 3.082                   | 3.826                        | 191.127                 | 1                     | 14.703                    |
| 10/5/2017 18:00 | 72000                   | 143.271                     | 21.335                  | 326.558                 | 5233.024                    | 5626.972                      | 3.082                   | 3.826                        | 191.094                 | 1                     | 14.706                    |
| 10/5/2017 18:15 | 72900                   | 143.276                     | 21.329                  | 326.569                 | 5232.5                      | 5627.066                      | 3.082                   | 3.826                        | 191.113                 | 1                     | 14.7                      |
| 10/5/2017 18:30 | 73800                   | 143.278                     | 21.325                  | 326.575                 | 5233.572                    | 5628.677                      | 3.083                   | 3.828                        | 191.074                 | 1                     | 14.704                    |
| 10/5/2017 18:45 | 74700                   | 143.276                     | 21.328                  | 326.57                  | 5232.609                    | 5627.255                      | 3.082                   | 3.827                        | 191.109                 | 1                     | 14.704                    |
| 10/5/2017 19:00 | 75600                   | 143.239                     | 21.328                  | 326.487                 | 5234.081                    | 5629.38                       | 3.083                   | 3.828                        | 191.056                 | 1                     | 14.7                      |
| 10/5/2017 19:15 | 76500                   | 143.226                     | 21.329                  | 326.457                 | 5234.604                    | 5629.36                       | 3.084                   | 3.828                        | 191.036                 | 1                     | 14.704                    |
| 10/5/2017 19:30 | 77400                   | 143.282                     | 21.328                  | 326.584                 | 5234.91                     | 5629.771                      | 3.084                   | 3.828                        | 191.025                 | 1                     | 14.701                    |
| 10/5/2017 19:45 | 78300                   | 143.257                     | 21.33                   | 326.526                 | 5234.411                    | 5629.031                      | 3.083                   | 3.828                        | 191.043                 | 1                     | 14.709                    |
| 10/5/2017 20:00 | 79200                   | 143.27                      | 21.331                  | 326.556                 | 5235.843                    | 5630.419                      | 3.085                   | 3.829                        | 190.991                 | 1                     | 14.705                    |
| 10/5/2017 20:15 | 80100                   | 143.281                     | 21.328                  | 326.583                 | 5236.901                    | 5631.942                      | 3.084                   | 3.829                        | 190.953                 | 1                     | 14.708                    |
| 10/5/2017 20:30 | 81000                   | 143.269                     | 21.333                  | 326.553                 | 5237.676                    | 5632.116                      | 3.085                   | 3.83                         | 190.934                 | 1                     | 14.714                    |
| 10/5/2017 20:45 | 81900                   | 143.266                     | 21.331                  | 326.548                 | 5236.84                     | 5631.45                       | 3.085                   |                              |                         |                       |                           |

|                 |        |         |        |         |          |          |       |       |         |   |        |
|-----------------|--------|---------|--------|---------|----------|----------|-------|-------|---------|---|--------|
| 10/5/2017 23:00 | 90000  | 143.285 | 21.328 | 326.591 | 5240.164 | 5635.431 | 3.087 | 3.832 | 190.834 | 1 | 14.724 |
| 10/5/2017 23:15 | 90900  | 143.246 | 21.331 | 326.502 | 5240.779 | 5635.767 | 3.087 | 3.832 | 190.811 | 1 | 14.726 |
| 10/5/2017 23:30 | 91800  | 143.289 | 21.331 | 326.601 | 5240.902 | 5635.87  | 3.087 | 3.832 | 190.807 | 1 | 14.719 |
| 10/5/2017 23:45 | 92700  | 143.312 | 21.328 | 326.652 | 5240.48  | 5635.699 | 3.087 | 3.832 | 190.822 | 1 | 14.727 |
| 10/6/2017 0:00  | 93600  | 143.257 | 21.321 | 326.527 | 5240.793 | 5636.878 | 3.088 | 3.833 | 190.811 | 1 | 14.726 |
| 10/6/2017 0:15  | 94500  | 143.29  | 21.324 | 326.601 | 5241.013 | 5636.81  | 3.088 | 3.833 | 190.803 | 1 | 14.724 |
| 10/6/2017 0:30  | 95400  | 143.291 | 21.324 | 326.604 | 5239.787 | 5635.601 | 3.087 | 3.832 | 190.847 | 1 | 14.729 |
| 10/6/2017 0:45  | 96300  | 143.289 | 21.329 | 326.6   | 5241.57  | 5636.841 | 3.088 | 3.833 | 190.783 | 1 | 14.725 |
| 10/6/2017 1:00  | 97200  | 143.331 | 21.331 | 326.696 | 5242.326 | 5637.339 | 3.088 | 3.833 | 190.755 | 1 | 14.727 |
| 10/6/2017 1:15  | 98100  | 143.302 | 21.334 | 326.629 | 5243.09  | 5637.837 | 3.089 | 3.834 | 190.727 | 1 | 14.722 |
| 10/6/2017 1:30  | 99000  | 143.294 | 21.332 | 326.61  | 5243.722 | 5638.82  | 3.089 | 3.834 | 190.704 | 1 | 14.725 |
| 10/6/2017 1:45  | 99900  | 143.301 | 21.332 | 326.627 | 5244.931 | 5640.06  | 3.09  | 3.835 | 190.66  | 1 | 14.729 |
| 10/6/2017 2:00  | 100800 | 143.297 | 21.33  | 326.617 | 5244.483 | 5639.782 | 3.09  | 3.835 | 190.677 | 1 | 14.735 |
| 10/6/2017 2:15  | 101700 | 143.271 | 21.324 | 326.56  | 5244.137 | 5640.13  | 3.09  | 3.835 | 190.689 | 1 | 14.73  |
| 10/6/2017 2:30  | 102600 | 143.312 | 21.325 | 326.653 | 5244.537 | 5640.448 | 3.09  | 3.836 | 190.675 | 1 | 14.728 |
| 10/6/2017 2:45  | 103500 | 143.314 | 21.324 | 326.657 | 5244.295 | 5640.28  | 3.09  | 3.835 | 190.683 | 1 | 14.727 |
| 10/6/2017 3:00  | 104400 | 143.316 | 21.328 | 326.662 | 5245.552 | 5641.236 | 3.091 | 3.836 | 190.638 | 1 | 14.73  |
| 10/6/2017 3:15  | 105300 | 143.278 | 21.324 | 326.575 | 5245.079 | 5641.143 | 3.09  | 3.836 | 190.655 | 1 | 14.724 |
| 10/6/2017 3:30  | 106200 | 143.317 | 21.326 | 326.663 | 5245.058 | 5640.645 | 3.09  | 3.836 | 190.655 | 1 | 14.73  |
| 10/6/2017 3:45  | 107100 | 143.278 | 21.324 | 326.575 | 5244.739 | 5640.787 | 3.09  | 3.836 | 190.667 | 1 | 14.726 |
| 10/6/2017 4:00  | 108000 | 143.299 | 21.319 | 326.623 | 5243.369 | 5639.913 | 3.09  | 3.835 | 190.717 | 1 | 14.722 |
| 10/6/2017 4:15  | 108900 | 143.318 | 21.328 | 326.666 | 5245.585 | 5641.18  | 3.09  | 3.836 | 190.636 | 1 | 14.726 |
| 10/6/2017 4:30  | 109800 | 143.319 | 21.333 | 326.669 | 5245.096 | 5640.176 | 3.09  | 3.835 | 190.654 | 1 | 14.727 |
| 10/6/2017 4:45  | 110700 | 143.32  | 21.334 | 326.67  | 5245.409 | 5640.382 | 3.09  | 3.835 | 190.643 | 1 | 14.728 |
| 10/6/2017 5:00  | 111600 | 143.325 | 21.327 | 326.682 | 5245.168 | 5640.854 | 3.09  | 3.836 | 190.652 | 1 | 14.726 |
| 10/6/2017 5:15  | 112500 | 143.332 | 21.33  | 326.697 | 5246.59  | 5642.118 | 3.091 | 3.837 | 190.6   | 1 | 14.726 |
| 10/6/2017 5:30  | 113400 | 143.32  | 21.333 | 326.669 | 5247.858 | 5643.107 | 3.092 | 3.837 | 190.554 | 1 | 14.731 |
| 10/6/2017 5:45  | 114300 | 143.332 | 21.327 | 326.697 | 5247.76  | 5643.641 | 3.092 | 3.838 | 190.558 | 1 | 14.724 |
| 10/6/2017 6:00  | 115200 | 143.33  | 21.324 | 326.694 | 5247.115 | 5643.303 | 3.092 | 3.837 | 190.581 | 1 | 14.724 |
| 10/6/2017 6:15  | 116100 | 143.281 | 21.329 | 326.582 | 5248.396 | 5644.121 | 3.092 | 3.838 | 190.534 | 1 | 14.726 |
| 10/6/2017 6:30  | 117000 | 143.325 | 21.332 | 326.681 | 5249.395 | 5644.87  | 3.093 | 3.839 | 190.498 | 1 | 14.732 |
| 10/6/2017 6:45  | 117900 | 143.334 | 21.327 | 326.702 | 5248.982 | 5645.046 | 3.093 | 3.839 | 190.513 | 1 | 14.733 |
| 10/6/2017 7:00  | 118800 | 143.341 | 21.32  | 326.718 | 5247.888 | 5644.653 | 3.092 | 3.838 | 190.553 | 1 | 14.731 |
| 10/6/2017 7:15  | 119700 | 143.308 | 21.319 | 326.642 | 5248.271 | 5645.156 | 3.093 | 3.839 | 190.539 | 1 | 14.732 |
| 10/6/2017 7:30  | 120600 | 143.328 | 21.331 | 326.69  | 5249.738 | 5645.381 | 3.093 | 3.839 | 190.486 | 1 | 14.736 |
| 10/6/2017 7:45  | 121500 | 143.333 | 21.33  | 326.7   | 5251.021 | 5646.884 | 3.094 | 3.84  | 190.439 | 1 | 14.732 |
| 10/6/2017 8:00  | 122400 | 143.33  | 21.326 | 326.692 | 5249.646 | 5646.308 | 3.093 | 3.839 | 190.49  | 1 | 14.736 |
| 10/6/2017 8:15  | 123300 | 143.331 | 21.321 | 326.696 | 5250.574 | 5647.629 | 3.094 | 3.84  | 190.455 | 1 | 14.744 |
| 10/6/2017 8:30  | 124200 | 143.339 | 21.319 | 326.714 | 5249.612 | 5646.567 | 3.094 | 3.84  | 190.49  | 1 | 14.736 |
| 10/6/2017 8:45  | 125100 | 143.34  | 21.323 | 326.715 | 5250.205 | 5646.758 | 3.094 | 3.84  | 190.469 | 1 | 14.741 |
| 10/6/2017 9:00  | 126000 | 143.323 | 21.324 | 326.677 | 5251.813 | 5648.425 | 3.095 | 3.841 | 190.41  | 1 | 14.753 |
| 10/6/2017 9:15  | 126900 | 143.296 | 21.326 | 326.617 | 5253.358 | 5649.783 | 3.095 | 3.842 | 190.354 | 1 | 14.743 |
| 10/6/2017 9:30  | 127800 | 143.331 | 21.326 | 326.695 | 5252.412 | 5649.095 | 3.095 | 3.841 | 190.389 | 1 | 14.751 |
| 10/6/2017 9:45  | 128700 | 143.303 | 21.327 | 326.633 | 5253.485 | 5649.858 | 3.096 | 3.842 | 190.35  | 1 | 14.744 |
| 10/6/2017 10:00 | 129600 | 143.299 | 21.327 | 326.622 | 5253.979 | 5650.419 | 3.096 | 3.842 | 190.332 | 1 | 14.752 |
| 10/6/2017 10:15 | 130500 | 143.333 | 21.317 | 326.7   | 5253.443 | 5651.003 | 3.096 | 3.843 | 190.351 | 1 | 14.747 |
| 10/6/2017 10:30 | 131400 | 143.328 | 21.325 | 326.688 | 5254.852 | 5651.491 | 3.096 | 3.843 | 190.3   | 1 | 14.75  |
| 10/6/2017 10:45 | 132300 | 143.334 | 21.33  | 326.703 | 5255.229 | 5651.358 | 3.096 | 3.843 | 190.287 | 1 | 14.747 |
| 10/6/2017 11:00 | 133200 | 143.309 | 21.332 | 326.645 | 5256.113 | 5652.95  | 3.097 | 3.844 | 190.255 | 1 | 14.739 |
| 10/6/2017 11:15 | 134100 | 143.348 | 21.317 | 326.734 | 5252.643 | 5650.071 | 3.096 | 3.842 | 190.38  | 1 | 14.739 |
| 10/6/2017 11:30 | 135000 | 143.309 | 21.317 | 326.646 | 5254.406 | 5652.039 | 3.097 | 3.843 | 190.316 | 1 | 14.74  |
| 10/6/2017 11:45 | 135900 | 143.311 | 21.329 | 326.65  | 5255.375 | 5651.606 | 3.097 | 3.843 | 190.281 | 1 | 14.737 |
| 10/6/2017 12:00 | 136800 | 143.343 | 21.323 | 326.722 | 5256.833 | 5653.887 | 3.098 | 3.845 | 190.229 | 1 | 14.737 |
| 10/6/2017 12:15 | 137700 | 143.35  | 21.326 | 326.738 | 5256.693 | 5653.378 | 3.098 | 3.844 | 190.234 | 1 | 14.73  |
| 10/6/2017 12:30 | 138600 | 143.302 | 21.329 | 326.629 | 5256.622 | 5653.007 | 3.097 | 3.844 | 190.236 | 1 | 14.739 |
| 10/6/2017 12:45 | 139500 | 143.346 | 21.325 | 326.73  | 5257.655 | 5654.557 | 3.098 | 3.845 | 190.199 | 1 | 14.735 |
| 10/6/2017 13:00 | 140400 | 143.348 | 21.33  | 326.735 | 5259.15  | 5655.584 | 3.099 | 3.846 | 190.145 | 1 | 14.734 |
| 10/6/2017 13:15 | 141300 | 143.358 | 21.332 | 326.758 | 5259.26  | 5655.519 | 3.099 | 3.846 | 190.141 | 1 | 14.722 |
| 10/6/2017 13:30 | 142200 | 143.345 | 21.329 | 326.727 | 5259.894 | 5656.546 | 3.099 | 3.846 | 190.118 | 1 | 14.725 |
| 10/6/2017 13:45 | 143100 | 143.343 | 21.331 | 326.723 | 5260.217 | 5656.671 | 3.1   | 3.847 | 190.106 | 1 | 14.726 |
| 10/6/2017 14:00 | 144000 | 143.359 | 21.333 | 326.758 | 5261.206 | 5657.49  | 3.1   | 3.847 | 190.07  | 1 | 14.717 |
| 10/6/2017 14:15 | 144900 | 143.354 | 21.328 | 326.747 | 5260.224 | 5657.025 | 3.1   | 3.847 | 190.106 | 1 | 14.716 |
| 10/6/2017 14:30 | 145800 | 143.361 | 21.325 | 326.764 | 5260.65  | 5657.769 | 3.1   | 3.847 | 190.091 | 1 | 14.718 |
| 10/6/2017 14:45 | 146700 | 143.359 | 21.332 | 326.759 | 5260.68  | 5657.005 | 3.1   | 3.847 | 190.09  | 1 | 14.714 |
| 10/6/2017 15:00 | 147600 | 143.362 | 21.332 | 326.766 | 5263.033 | 5659.586 | 3.101 | 3.849 | 190.005 | 1 | 14.715 |
| 10/6/2017 15:15 | 148500 | 143.358 | 21.331 | 326.758 | 5263.019 | 5659.663 | 3.101 | 3.849 | 190.005 | 1 | 14.71  |
| 10/6/2017 15:30 | 149400 | 143.364 | 21.327 | 326.77  | 5262.68  | 5659.777 | 3.101 | 3.849 | 190.017 | 1 | 14.714 |
| 10/6/2017 15:45 | 150300 | 143.353 | 21.331 | 326.744 | 5263.11  | 5659.71  | 3.101 | 3.849 | 190.002 | 1 | 14.715 |
| 10/6/2017 16:00 | 151200 | 143.351 | 21.33  | 326.74  | 5264.379 | 5661.188 | 3.102 | 3.849 | 189.956 | 1 | 14.715 |
| 10/6/2017 16:15 | 152100 | 143.353 | 21.332 | 326.745 | 5263.797 | 5660.408 | 3.102 | 3.849 | 189.977 | 1 | 14.713 |
| 10/6/2017 16:30 | 153000 | 143.349 | 21.333 | 326.737 | 5264.477 | 5660.925 | 3.102 | 3.849 | 189.952 | 1 | 14.709 |
| 10/6/2017 16:45 | 153900 | 143.312 | 21.332 | 326.652 | 5265.201 | 5661.836 | 3.103 | 3.85  | 189.926 | 1 | 14.711 |
| 10/6/2017 17:00 | 154800 | 143.352 | 21.328 | 326.743 | 5264.51  | 5661.583 | 3.102 | 3.85  | 189.951 | 1 | 14.713 |
| 10/6/2017 17:15 | 155700 | 143.309 | 21.331 | 326.644 | 5265.422 | 5662.258 | 3.103 | 3.85  | 189.918 | 1 | 14.71  |
| 10/6/2017 17:30 | 156600 | 143.351 | 21.33  | 326.742 | 5265.032 | 5661.879 | 3.103 | 3.85  | 189.932 | 1 | 14.707 |
| 10/6/2017 17:45 | 157500 | 143.342 | 21.331 | 326.72  | 5265.413 | 5662.258 | 3.103 | 3.85  | 189.919 | 1 | 14.714 |
| 10/6/2017 18:00 | 158400 | 143.305 | 21.332 | 326.635 | 5265.646 | 5662.335 | 3.103 | 3.85  | 189.91  | 1 | 14.705 |
| 10/6/2017 18:15 | 159300 | 143.336 | 21.331 | 326.708 | 5265.144 | 5661.898 | 3.103 | 3.85  | 189.928 | 1 | 14.712 |
| 10/6/2017 18:30 | 160200 | 143.305 | 21.329 | 326.635 | 5266.419 | 5663.504 | 3.104 | 3.851 | 189.882 | 1 | 14.711 |
| 10/6/2017 18:45 | 161100 | 143.332 | 21.332 | 326.697 | 5265.833 | 5662.467 | 3.103 | 3.85  | 189.904 | 1 | 14.71  |
| 10/6/2017 19:00 | 162000 | 143.334 | 21.332 | 326.702 | 5266.535 | 5663.281 | 3.103 | 3.851 | 189.878 | 1 | 14.711 |
| 10/6/2017 19:15 | 162900 | 143.302 | 21.333 | 326.63  | 5266.97  | 5663.638 | 3.104 | 3.851 | 189.862 | 1 | 14.705 |
| 10/6/2017 19:30 | 163800 | 143.316 | 21.336 | 326.661 | 5267.532 | 5663.895 | 3.104 | 3.851 | 189.842 | 1 | 14.714 |
| 10/6/2017 19:45 | 164700 | 143.318 | 21.339 | 326.667 | 5269.008 | 5665.146 | 3.104 | 3.852 | 189.789 | 1 | 14.708 |
| 10/6/2017 20:00 | 165600 | 143.279 | 21.333 | 326.577 | 5269.452 | 5666.274 | 3.105 | 3.853 | 189.773 | 1 | 14.716 |
| 10/6/2017 20:15 | 166500 | 143.307 | 21.332 | 326.64  | 5269.47  | 5666.38  | 3.105 | 3.853 | 189.774 | 1 | 14.717 |
| 10/6/2017 20:30 | 167400 | 143.315 | 21.332 |         |          |          |       |       |         |   |        |

|                 |        |         |        |         |          |          |       |       |         |   |        |
|-----------------|--------|---------|--------|---------|----------|----------|-------|-------|---------|---|--------|
| 10/8/2017 3:45  | 279900 | 143.275 | 21.313 | 326.568 | 5233.229 | 5629.655 | 3.084 | 3.828 | 191.087 | 1 | 14.634 |
| 10/8/2017 4:00  | 280800 | 143.314 | 21.313 | 326.658 | 5232.529 | 5628.902 | 3.083 | 3.828 | 191.112 | 1 | 14.63  |
| 10/8/2017 4:15  | 281700 | 143.269 | 21.314 | 326.554 | 5232.181 | 5628.446 | 3.083 | 3.827 | 191.125 | 1 | 14.63  |
| 10/8/2017 4:30  | 282600 | 143.311 | 21.315 | 326.649 | 5232.068 | 5628.254 | 3.083 | 3.827 | 191.129 | 1 | 14.633 |
| 10/8/2017 4:45  | 283500 | 143.309 | 21.313 | 326.645 | 5232.028 | 5628.332 | 3.083 | 3.827 | 191.13  | 1 | 14.633 |
| 10/8/2017 5:00  | 284400 | 143.323 | 21.313 | 326.677 | 5232.809 | 5629.285 | 3.084 | 3.828 | 191.102 | 1 | 14.629 |
| 10/8/2017 5:15  | 285300 | 143.284 | 21.308 | 326.584 | 5231.266 | 5628.667 | 3.083 | 3.827 | 191.159 | 1 | 14.624 |
| 10/8/2017 5:30  | 286200 | 143.314 | 21.307 | 326.656 | 5231.936 | 5628.943 | 3.083 | 3.828 | 191.134 | 1 | 14.632 |
| 10/8/2017 5:45  | 287100 | 143.32  | 21.315 | 326.671 | 5232.616 | 5628.742 | 3.083 | 3.828 | 191.109 | 1 | 14.627 |
| 10/8/2017 6:00  | 288000 | 143.324 | 21.313 | 326.68  | 5231.629 | 5627.954 | 3.083 | 3.827 | 191.145 | 1 | 14.631 |
| 10/8/2017 6:15  | 288900 | 143.317 | 21.315 | 326.663 | 5230.883 | 5626.97  | 3.082 | 3.826 | 191.172 | 1 | 14.637 |
| 10/8/2017 6:30  | 289800 | 143.321 | 21.312 | 326.674 | 5231.804 | 5628.264 | 3.083 | 3.827 | 191.139 | 1 | 14.631 |
| 10/8/2017 6:45  | 290700 | 143.286 | 21.308 | 326.586 | 5231.598 | 5628.467 | 3.083 | 3.827 | 191.146 | 1 | 14.636 |
| 10/8/2017 7:00  | 291600 | 143.313 | 21.311 | 326.655 | 5231.932 | 5628.543 | 3.083 | 3.827 | 191.134 | 1 | 14.637 |
| 10/8/2017 7:15  | 292500 | 143.323 | 21.32  | 326.678 | 5233.234 | 5628.861 | 3.083 | 3.828 | 191.086 | 1 | 14.633 |
| 10/8/2017 7:30  | 293400 | 143.292 | 21.32  | 326.606 | 5234.908 | 5630.619 | 3.084 | 3.829 | 191.025 | 1 | 14.631 |
| 10/8/2017 7:45  | 294300 | 143.324 | 21.319 | 326.68  | 5235.537 | 5631.498 | 3.085 | 3.829 | 191.002 | 1 | 14.636 |
| 10/8/2017 8:00  | 295200 | 143.33  | 21.319 | 326.693 | 5236     | 5631.947 | 3.085 | 3.83  | 190.985 | 1 | 14.634 |
| 10/8/2017 8:15  | 296100 | 143.323 | 21.321 | 326.689 | 5236.536 | 5632.27  | 3.085 | 3.83  | 190.966 | 1 | 14.632 |
| 10/8/2017 8:30  | 297000 | 143.289 | 21.322 | 326.6   | 5238.302 | 5634.098 | 3.086 | 3.831 | 190.902 | 1 | 14.639 |
| 10/8/2017 8:45  | 297900 | 143.322 | 21.322 | 326.674 | 5239.778 | 5635.726 | 3.087 | 3.832 | 190.848 | 1 | 14.64  |
| 10/8/2017 9:00  | 298800 | 143.323 | 21.327 | 326.678 | 5241.571 | 5636.995 | 3.088 | 3.833 | 190.782 | 1 | 14.639 |
| 10/8/2017 9:15  | 299700 | 143.334 | 21.332 | 326.701 | 5243.072 | 5638.02  | 3.089 | 3.834 | 190.728 | 1 | 14.64  |
| 10/8/2017 9:30  | 300600 | 143.298 | 21.33  | 326.621 | 5242.502 | 5637.723 | 3.088 | 3.834 | 190.749 | 1 | 14.639 |
| 10/8/2017 9:45  | 301500 | 143.322 | 21.329 | 326.676 | 5244.547 | 5639.982 | 3.09  | 3.835 | 190.674 | 1 | 14.644 |
| 10/8/2017 10:00 | 302400 | 143.335 | 21.33  | 326.705 | 5246.117 | 5641.559 | 3.091 | 3.836 | 190.617 | 1 | 14.636 |
| 10/8/2017 10:15 | 303300 | 143.329 | 21.333 | 326.692 | 5246.382 | 5641.56  | 3.091 | 3.836 | 190.608 | 1 | 14.637 |
| 10/8/2017 10:30 | 304200 | 143.338 | 21.33  | 326.711 | 5246.526 | 5642.009 | 3.091 | 3.837 | 190.602 | 1 | 14.629 |
| 10/8/2017 10:45 | 305100 | 143.292 | 21.329 | 326.607 | 5245.805 | 5641.366 | 3.091 | 3.836 | 190.629 | 1 | 14.631 |
| 10/8/2017 11:00 | 306000 | 143.328 | 21.332 | 326.69  | 5246.529 | 5641.818 | 3.091 | 3.836 | 190.602 | 1 | 14.635 |
| 10/8/2017 11:15 | 306900 | 143.345 | 21.334 | 326.728 | 5248.633 | 5643.807 | 3.092 | 3.838 | 190.526 | 1 | 14.627 |
| 10/8/2017 11:30 | 307800 | 143.345 | 21.333 | 326.728 | 5248.966 | 5644.318 | 3.092 | 3.838 | 190.514 | 1 | 14.63  |
| 10/8/2017 11:45 | 308700 | 143.342 | 21.337 | 326.72  | 5250.198 | 5645.205 | 3.093 | 3.839 | 190.469 | 1 | 14.63  |
| 10/8/2017 12:00 | 309600 | 143.35  | 21.332 | 326.739 | 5249.951 | 5645.518 | 3.093 | 3.839 | 190.478 | 1 | 14.626 |
| 10/8/2017 12:15 | 310500 | 143.359 | 21.335 | 326.758 | 5251.004 | 5646.235 | 3.093 | 3.839 | 190.44  | 1 | 14.625 |
| 10/8/2017 12:30 | 311400 | 143.355 | 21.333 | 326.749 | 5251.972 | 5647.53  | 3.094 | 3.84  | 190.405 | 1 | 14.63  |
| 10/8/2017 12:45 | 312300 | 143.359 | 21.336 | 326.758 | 5251.205 | 5646.887 | 3.094 | 3.84  | 190.432 | 1 | 14.634 |
| 10/8/2017 13:00 | 313200 | 143.358 | 21.329 | 326.758 | 5251.676 | 5647.688 | 3.094 | 3.84  | 190.415 | 1 | 14.629 |
| 10/8/2017 13:15 | 314100 | 143.365 | 21.338 | 326.773 | 5252.642 | 5647.63  | 3.094 | 3.84  | 190.38  | 1 | 14.623 |
| 10/8/2017 13:30 | 315000 | 143.364 | 21.342 | 326.771 | 5253.33  | 5647.994 | 3.094 | 3.841 | 190.355 | 1 | 14.62  |
| 10/8/2017 13:45 | 315900 | 143.373 | 21.34  | 326.791 | 5255.441 | 5650.427 | 3.096 | 3.842 | 190.279 | 1 | 14.613 |
| 10/8/2017 14:00 | 316800 | 143.366 | 21.34  | 326.775 | 5256.837 | 5651.988 | 3.097 | 3.843 | 190.228 | 1 | 14.623 |
| 10/8/2017 14:15 | 317700 | 143.373 | 21.337 | 326.792 | 5257.086 | 5652.51  | 3.097 | 3.844 | 190.219 | 1 | 14.619 |
| 10/8/2017 14:30 | 318600 | 143.386 | 21.335 | 326.82  | 5255.337 | 5650.854 | 3.096 | 3.843 | 190.283 | 1 | 14.617 |
| 10/8/2017 14:45 | 319500 | 143.353 | 21.335 | 326.746 | 5256.166 | 5651.786 | 3.097 | 3.843 | 190.253 | 1 | 14.613 |
| 10/8/2017 15:00 | 320400 | 143.401 | 21.337 | 326.855 | 5256.56  | 5651.944 | 3.097 | 3.843 | 190.238 | 1 | 14.607 |
| 10/8/2017 15:15 | 321300 | 143.392 | 21.342 | 326.834 | 5257.127 | 5651.975 | 3.097 | 3.843 | 190.218 | 1 | 14.613 |
| 10/8/2017 15:30 | 322200 | 143.362 | 21.334 | 326.766 | 5255.943 | 5651.637 | 3.097 | 3.843 | 190.261 | 1 | 14.613 |
| 10/8/2017 15:45 | 323100 | 143.409 | 21.333 | 326.866 | 5256.686 | 5652.554 | 3.097 | 3.844 | 190.237 | 1 | 14.608 |
| 10/8/2017 16:00 | 324000 | 143.404 | 21.339 | 326.863 | 5257.905 | 5653.208 | 3.098 | 3.844 | 190.19  | 1 | 14.608 |
| 10/8/2017 16:15 | 324900 | 143.397 | 21.341 | 326.847 | 5257.789 | 5652.87  | 3.097 | 3.844 | 190.194 | 1 | 14.611 |
| 10/8/2017 16:30 | 325800 | 143.411 | 21.343 | 326.878 | 5259.699 | 5654.618 | 3.098 | 3.845 | 190.125 | 1 | 14.607 |
| 10/8/2017 16:45 | 326700 | 143.408 | 21.336 | 326.87  | 5258.415 | 5654.153 | 3.098 | 3.845 | 190.171 | 1 | 14.611 |
| 10/8/2017 17:00 | 327600 | 143.407 | 21.329 | 326.87  | 5257.396 | 5653.84  | 3.098 | 3.845 | 190.208 | 1 | 14.611 |
| 10/8/2017 17:15 | 328500 | 143.382 | 21.33  | 326.812 | 5257.279 | 5653.563 | 3.098 | 3.844 | 190.212 | 1 | 14.61  |
| 10/8/2017 17:30 | 329400 | 143.433 | 21.332 | 326.928 | 5257.601 | 5653.714 | 3.098 | 3.845 | 190.201 | 1 | 14.606 |
| 10/8/2017 17:45 | 330300 | 143.42  | 21.335 | 326.899 | 5257.75  | 5653.479 | 3.098 | 3.844 | 190.195 | 1 | 14.612 |
| 10/8/2017 18:00 | 331200 | 143.436 | 21.331 | 326.934 | 5257.802 | 5654.073 | 3.098 | 3.845 | 190.194 | 1 | 14.602 |
| 10/8/2017 18:15 | 332100 | 143.389 | 21.332 | 326.829 | 5256.75  | 5652.82  | 3.097 | 3.844 | 190.232 | 1 | 14.609 |
| 10/8/2017 18:30 | 333000 | 143.399 | 21.339 | 326.85  | 5257.725 | 5653.044 | 3.097 | 3.844 | 190.196 | 1 | 14.599 |
| 10/8/2017 18:45 | 333900 | 143.432 | 21.341 | 326.926 | 5258.599 | 5653.75  | 3.098 | 3.845 | 190.165 | 1 | 14.605 |
| 10/8/2017 19:00 | 334800 | 143.391 | 21.34  | 326.832 | 5258.948 | 5654.166 | 3.098 | 3.845 | 190.152 | 1 | 14.611 |
| 10/8/2017 19:15 | 335700 | 143.429 | 21.337 | 326.919 | 5259.54  | 5655.22  | 3.099 | 3.846 | 190.131 | 1 | 14.611 |
| 10/8/2017 19:30 | 336600 | 143.432 | 21.33  | 326.926 | 5257.952 | 5654.316 | 3.098 | 3.845 | 190.188 | 1 | 14.614 |
| 10/8/2017 19:45 | 337500 | 143.43  | 21.33  | 326.922 | 5258.203 | 5654.597 | 3.098 | 3.845 | 190.179 | 1 | 14.616 |
| 10/8/2017 20:00 | 338400 | 143.431 | 21.335 | 326.924 | 5259.471 | 5655.4   | 3.099 | 3.846 | 190.133 | 1 | 14.616 |
| 10/8/2017 20:15 | 339300 | 143.435 | 21.331 | 326.933 | 5257.399 | 5653.57  | 3.098 | 3.844 | 190.208 | 1 | 14.616 |
| 10/8/2017 20:30 | 340200 | 143.435 | 21.327 | 326.934 | 5257.458 | 5654.12  | 3.098 | 3.845 | 190.206 | 1 | 14.611 |
| 10/8/2017 20:45 | 341100 | 143.435 | 21.33  | 326.933 | 5258.1   | 5654.415 | 3.098 | 3.845 | 190.183 | 1 | 14.606 |
| 10/8/2017 21:00 | 342000 | 143.435 | 21.333 | 326.933 | 5258.576 | 5654.58  | 3.098 | 3.845 | 190.166 | 1 | 14.611 |
| 10/8/2017 21:15 | 342900 | 143.435 | 21.332 | 326.932 | 5259.047 | 5655.229 | 3.099 | 3.846 | 190.149 | 1 | 14.612 |
| 10/8/2017 21:30 | 343800 | 143.39  | 21.332 | 326.829 | 5258.711 | 5654.878 | 3.098 | 3.845 | 190.161 | 1 | 14.614 |
| 10/8/2017 21:45 | 344700 | 143.436 | 21.333 | 326.934 | 5259.287 | 5655.386 | 3.099 | 3.846 | 190.14  | 1 | 14.612 |
| 10/8/2017 22:00 | 345600 | 143.431 | 21.33  | 326.832 | 5259.25  | 5655.932 | 3.099 | 3.846 | 190.141 | 1 | 14.615 |
| 10/8/2017 22:15 | 346500 | 143.422 | 21.336 | 326.902 | 5259.466 | 5655.221 | 3.099 | 3.846 | 190.133 | 1 | 14.622 |
| 10/8/2017 22:30 | 347400 | 143.426 | 21.341 | 326.913 | 5262.021 | 5657.357 | 3.1   | 3.847 | 190.041 | 1 | 14.621 |
| 10/8/2017 22:45 | 348300 | 143.421 | 21.339 | 326.9   | 5261.294 | 5656.842 | 3.1   | 3.847 | 190.067 | 1 | 14.622 |
| 10/8/2017 23:00 | 349200 | 143.425 | 21.336 | 326.909 | 5262.236 | 5658.181 | 3.1   | 3.848 | 190.033 | 1 | 14.626 |
| 10/8/2017 23:15 | 350100 | 143.425 | 21.341 | 326.911 | 5262.734 | 5658.156 | 3.1   | 3.848 | 190.015 | 1 | 14.623 |
| 10/8/2017 23:30 | 351000 | 143.466 | 21.34  | 327.002 | 5263.314 | 5658.85  | 3.101 | 3.848 | 190.994 | 1 | 14.624 |
| 10/8/2017 23:45 | 351900 | 143.438 | 21.334 | 326.826 | 5262.896 | 5659.124 | 3.101 | 3.848 | 190.009 | 1 | 14.631 |
| 10/9/2017 0:00  | 352800 | 143.432 | 21.334 | 326.925 | 5262.638 | 5658.856 | 3.101 | 3.848 | 190.019 | 1 | 14.624 |
| 10/9/2017 0:15  | 353700 | 143.424 | 21.339 | 326.908 | 5262.846 | 5658.51  | 3.101 | 3.848 | 190.011 | 1 | 14.63  |
| 10/9/2017 0:30  | 354600 | 143.429 | 21.339 | 326.918 | 5263.028 | 5658.756 | 3.101 | 3.848 | 190.005 | 1 | 14.629 |
| 10/9/2017 0:45  | 355500 | 143.426 | 21.34  | 326.911 | 5263.735 | 5659.384 | 3.101 | 3.848 | 189.979 | 1 | 14.63  |
| 10/9/2017 1:00  | 356400 | 143.431 | 21.344 | 326.924 | 5265.454 | 5660.784 | 3.102 | 3.849 | 189.917 | 1 | 14.623 |
| 10/9/2017       |        |         |        |         |          |          |       |       |         |   |        |

|                  |        |         |        |         |          |          |       |       |         |   |        |
|------------------|--------|---------|--------|---------|----------|----------|-------|-------|---------|---|--------|
| 10/10/2017 8:30  | 469800 | 143.598 | 21.33  | 327.303 | 5291.324 | 5690.173 | 3.119 | 3.869 | 188.989 | 1 | 14.698 |
| 10/10/2017 8:45  | 470700 | 143.609 | 21.331 | 327.33  | 5290.593 | 5689.336 | 3.119 | 3.869 | 189.015 | 1 | 14.697 |
| 10/10/2017 9:00  | 471600 | 143.608 | 21.327 | 327.328 | 5291.796 | 5691.08  | 3.12  | 3.87  | 188.972 | 1 | 14.7   |
| 10/10/2017 9:15  | 472500 | 143.567 | 21.328 | 327.234 | 5292.103 | 5691.299 | 3.12  | 3.87  | 188.961 | 1 | 14.701 |
| 10/10/2017 9:30  | 473400 | 143.614 | 21.315 | 327.34  | 5292.053 | 5692.679 | 3.121 | 3.871 | 188.963 | 1 | 14.7   |
| 10/10/2017 9:45  | 474300 | 143.542 | 21.33  | 327.176 | 5293.636 | 5692.711 | 3.121 | 3.871 | 188.906 | 1 | 14.699 |
| 10/10/2017 10:00 | 475200 | 143.625 | 21.331 | 327.365 | 5293.192 | 5692.12  | 3.12  | 3.871 | 188.922 | 1 | 14.693 |
| 10/10/2017 10:15 | 476100 | 143.61  | 21.333 | 327.332 | 5294.619 | 5693.369 | 3.121 | 3.871 | 188.871 | 1 | 14.697 |
| 10/10/2017 10:30 | 477000 | 143.62  | 21.332 | 327.354 | 5295.318 | 5694.294 | 3.122 | 3.872 | 188.846 | 1 | 14.696 |
| 10/10/2017 10:45 | 477900 | 143.576 | 21.327 | 327.255 | 5293.807 | 5693.212 | 3.121 | 3.871 | 188.9   | 1 | 14.7   |
| 10/10/2017 11:00 | 478800 | 143.632 | 21.322 | 327.382 | 5294.341 | 5694.422 | 3.122 | 3.872 | 188.881 | 1 | 14.694 |
| 10/10/2017 11:15 | 479700 | 143.617 | 21.333 | 327.249 | 5296.358 | 5695.27  | 3.122 | 3.873 | 188.809 | 1 | 14.699 |
| 10/10/2017 11:30 | 480600 | 143.588 | 21.32  | 327.281 | 5295.786 | 5696.109 | 3.123 | 3.873 | 188.829 | 1 | 14.698 |
| 10/10/2017 11:45 | 481500 | 143.63  | 21.323 | 327.377 | 5294.718 | 5694.674 | 3.122 | 3.872 | 188.867 | 1 | 14.699 |
| 10/10/2017 12:00 | 482400 | 143.598 | 21.324 | 327.305 | 5294.591 | 5694.363 | 3.122 | 3.872 | 188.872 | 1 | 14.698 |
| 10/10/2017 12:15 | 483300 | 143.593 | 21.329 | 327.293 | 5296.705 | 5696.134 | 3.123 | 3.873 | 188.797 | 1 | 14.697 |
| 10/10/2017 12:30 | 484200 | 143.624 | 21.335 | 327.364 | 5297.832 | 5696.659 | 3.123 | 3.874 | 188.756 | 1 | 14.7   |
| 10/10/2017 12:45 | 485100 | 143.634 | 21.332 | 327.386 | 5298.211 | 5697.395 | 3.123 | 3.874 | 188.743 | 1 | 14.692 |
| 10/10/2017 13:00 | 486000 | 143.598 | 21.327 | 327.304 | 5296.249 | 5695.859 | 3.122 | 3.873 | 188.813 | 1 | 14.694 |
| 10/10/2017 13:15 | 486900 | 143.637 | 21.324 | 327.393 | 5297.602 | 5697.642 | 3.123 | 3.874 | 188.765 | 1 | 14.697 |
| 10/10/2017 13:30 | 487800 | 143.599 | 21.332 | 327.306 | 5299.472 | 5698.679 | 3.124 | 3.875 | 188.698 | 1 | 14.69  |
| 10/10/2017 13:45 | 488700 | 143.602 | 21.334 | 327.314 | 5299.833 | 5698.894 | 3.124 | 3.875 | 188.685 | 1 | 14.686 |
| 10/10/2017 14:00 | 489600 | 143.63  | 21.335 | 327.377 | 5300.125 | 5699.053 | 3.124 | 3.875 | 188.675 | 1 | 14.692 |
| 10/10/2017 14:15 | 490500 | 143.637 | 21.334 | 327.393 | 5300.585 | 5699.722 | 3.125 | 3.876 | 188.658 | 1 | 14.688 |
| 10/10/2017 14:30 | 491400 | 143.636 | 21.333 | 327.39  | 5300.708 | 5699.885 | 3.125 | 3.876 | 188.654 | 1 | 14.685 |
| 10/10/2017 14:45 | 492300 | 143.638 | 21.333 | 327.394 | 5300.484 | 5699.716 | 3.125 | 3.876 | 188.662 | 1 | 14.686 |
| 10/10/2017 15:00 | 493200 | 143.643 | 21.333 | 327.406 | 5300.502 | 5699.695 | 3.125 | 3.876 | 188.661 | 1 | 14.687 |
| 10/10/2017 15:15 | 494100 | 143.649 | 21.335 | 327.421 | 5301.001 | 5700.057 | 3.125 | 3.876 | 188.644 | 1 | 14.682 |
| 10/10/2017 15:30 | 495000 | 143.613 | 21.33  | 327.337 | 5301.996 | 5701.68  | 3.126 | 3.877 | 188.608 | 1 | 14.685 |
| 10/10/2017 15:45 | 495900 | 143.647 | 21.327 | 327.416 | 5300.769 | 5700.699 | 3.125 | 3.876 | 188.652 | 1 | 14.691 |
| 10/10/2017 16:00 | 496800 | 143.653 | 21.329 | 327.43  | 5303.344 | 5701.031 | 3.125 | 3.877 | 188.631 | 1 | 14.683 |
| 10/10/2017 16:15 | 497700 | 143.65  | 21.331 | 327.422 | 5301.214 | 5700.675 | 3.125 | 3.876 | 188.636 | 1 | 14.687 |
| 10/10/2017 16:30 | 498600 | 143.641 | 21.332 | 327.403 | 5301.874 | 5701.344 | 3.126 | 3.877 | 188.613 | 1 | 14.69  |
| 10/10/2017 16:45 | 499500 | 143.644 | 21.33  | 327.408 | 5302.581 | 5702.249 | 3.126 | 3.878 | 188.587 | 1 | 14.69  |
| 10/10/2017 17:00 | 500400 | 143.639 | 21.332 | 327.398 | 5302.11  | 5701.506 | 3.126 | 3.877 | 188.604 | 1 | 14.69  |
| 10/10/2017 17:15 | 501300 | 143.609 | 21.33  | 327.33  | 5302.604 | 5702.304 | 3.126 | 3.878 | 188.587 | 1 | 14.689 |
| 10/10/2017 17:30 | 502200 | 143.643 | 21.329 | 327.407 | 5302.986 | 5702.469 | 3.126 | 3.878 | 188.587 | 1 | 14.687 |
| 10/10/2017 17:45 | 503100 | 143.607 | 21.328 | 327.326 | 5303.827 | 5703.845 | 3.127 | 3.879 | 188.543 | 1 | 14.685 |
| 10/10/2017 18:00 | 504000 | 143.636 | 21.331 | 327.39  | 5304.774 | 5704.535 | 3.128 | 3.879 | 188.509 | 1 | 14.689 |
| 10/10/2017 18:15 | 504900 | 143.64  | 21.334 | 327.399 | 5304.178 | 5703.524 | 3.127 | 3.878 | 188.531 | 1 | 14.687 |
| 10/10/2017 18:30 | 505800 | 143.627 | 21.335 | 327.37  | 5306.128 | 5705.508 | 3.128 | 3.88  | 188.461 | 1 | 14.689 |
| 10/10/2017 18:45 | 506700 | 143.594 | 21.335 | 327.294 | 5305.48  | 5704.852 | 3.128 | 3.879 | 188.484 | 1 | 14.687 |
| 10/10/2017 19:00 | 507600 | 143.632 | 21.329 | 327.381 | 5307.234 | 5706.235 | 3.129 | 3.88  | 188.422 | 1 | 14.688 |
| 10/10/2017 19:15 | 508500 | 143.623 | 21.33  | 327.362 | 5305.201 | 5705.168 | 3.128 | 3.88  | 188.494 | 1 | 14.693 |
| 10/10/2017 19:30 | 509400 | 143.625 | 21.336 | 327.367 | 5306.175 | 5705.508 | 3.128 | 3.88  | 188.46  | 1 | 14.692 |
| 10/10/2017 19:45 | 510300 | 143.628 | 21.332 | 327.371 | 5305.73  | 5705.409 | 3.128 | 3.88  | 188.475 | 1 | 14.696 |
| 10/10/2017 20:00 | 511200 | 143.623 | 21.336 | 327.362 | 5307.068 | 5706.468 | 3.129 | 3.88  | 188.428 | 1 | 14.691 |
| 10/10/2017 20:15 | 512100 | 143.589 | 21.334 | 327.285 | 5306.281 | 5705.754 | 3.128 | 3.88  | 188.456 | 1 | 14.689 |
| 10/10/2017 20:30 | 513000 | 143.588 | 21.338 | 327.236 | 5307.294 | 5706.403 | 3.129 | 3.88  | 188.442 | 1 | 14.701 |
| 10/10/2017 20:45 | 513900 | 143.573 | 21.338 | 327.246 | 5306.575 | 5705.671 | 3.128 | 3.88  | 188.445 | 1 | 14.693 |
| 10/10/2017 21:00 | 514800 | 143.616 | 21.334 | 327.345 | 5306.679 | 5706.286 | 3.129 | 3.88  | 188.442 | 1 | 14.691 |
| 10/10/2017 21:15 | 515700 | 143.614 | 21.33  | 327.34  | 5305.924 | 5705.833 | 3.128 | 3.88  | 188.469 | 1 | 14.694 |
| 10/10/2017 21:30 | 516600 | 143.602 | 21.338 | 327.313 | 5306.454 | 5705.489 | 3.128 | 3.88  | 188.45  | 1 | 14.696 |
| 10/10/2017 21:45 | 517500 | 143.606 | 21.337 | 327.323 | 5306.831 | 5706.077 | 3.128 | 3.88  | 188.436 | 1 | 14.695 |
| 10/10/2017 22:00 | 518400 | 143.595 | 21.338 | 327.297 | 5307.013 | 5706.09  | 3.128 | 3.88  | 188.43  | 1 | 14.696 |
| 10/10/2017 22:15 | 519300 | 143.588 | 21.341 | 327.282 | 5308.415 | 5707.32  | 3.129 | 3.881 | 188.36  | 1 | 14.696 |
| 10/10/2017 22:30 | 520200 | 143.547 | 21.344 | 327.189 | 5307.312 | 5705.785 | 3.128 | 3.88  | 188.419 | 1 | 14.699 |
| 10/10/2017 22:45 | 521100 | 143.579 | 21.34  | 327.261 | 5307.71  | 5706.634 | 3.129 | 3.881 | 188.405 | 1 | 14.701 |
| 10/10/2017 23:00 | 522000 | 143.575 | 21.341 | 327.251 | 5308.661 | 5707.501 | 3.129 | 3.881 | 188.371 | 1 | 14.703 |
| 10/10/2017 23:15 | 522900 | 143.566 | 21.341 | 327.231 | 5307.371 | 5706.137 | 3.128 | 3.88  | 188.417 | 1 | 14.706 |
| 10/10/2017 23:30 | 523800 | 143.563 | 21.347 | 327.225 | 5308.038 | 5706.134 | 3.128 | 3.88  | 188.399 | 1 | 14.706 |
| 10/10/2017 23:45 | 524700 | 143.565 | 21.345 | 327.229 | 5308.635 | 5707.071 | 3.129 | 3.881 | 188.371 | 1 | 14.702 |
| 10/11/2017 0:00  | 525600 | 143.565 | 21.345 | 327.229 | 5307.964 | 5706.384 | 3.129 | 3.88  | 188.396 | 1 | 14.703 |
| 10/11/2017 0:15  | 526500 | 143.547 | 21.329 | 327.187 | 5305.19  | 5705.258 | 3.128 | 3.88  | 188.495 | 1 | 14.704 |
| 10/11/2017 0:30  | 527400 | 143.531 | 21.325 | 327.151 | 5299.577 | 5699.644 | 3.125 | 3.876 | 188.694 | 1 | 14.705 |
| 10/11/2017 0:45  | 528300 | 143.52  | 21.324 | 327.126 | 5297.237 | 5697.261 | 3.123 | 3.874 | 188.778 | 1 | 14.702 |
| 10/11/2017 1:00  | 529200 | 143.524 | 21.322 | 327.137 | 5294.962 | 5695.019 | 3.122 | 3.873 | 188.859 | 1 | 14.702 |
| 10/11/2017 1:15  | 530100 | 143.549 | 21.323 | 327.192 | 5293.91  | 5693.754 | 3.121 | 3.872 | 188.896 | 1 | 14.706 |
| 10/11/2017 1:30  | 531000 | 143.545 | 21.323 | 327.182 | 5292.565 | 5692.359 | 3.12  | 3.871 | 188.944 | 1 | 14.706 |
| 10/11/2017 1:45  | 531900 | 143.555 | 21.323 | 327.206 | 5291.125 | 5690.769 | 3.119 | 3.87  | 188.996 | 1 | 14.699 |
| 10/11/2017 2:00  | 532800 | 143.548 | 21.324 | 327.189 | 5290.265 | 5689.721 | 3.119 | 3.869 | 189.026 | 1 | 14.702 |
| 10/11/2017 2:15  | 533700 | 143.549 | 21.324 | 327.193 | 5289.916 | 5689.335 | 3.119 | 3.869 | 189.039 | 1 | 14.697 |
| 10/11/2017 2:30  | 534600 | 143.502 | 21.324 | 327.085 | 5290.184 | 5689.684 | 3.119 | 3.869 | 189.029 | 1 | 14.701 |
| 10/11/2017 2:45  | 535500 | 143.537 | 21.321 | 327.165 | 5289.807 | 5689.966 | 3.119 | 3.869 | 189.043 | 1 | 14.703 |
| 10/11/2017 3:00  | 536400 | 143.547 | 21.316 | 327.188 | 5288.389 | 5688.707 | 3.118 | 3.868 | 189.094 | 1 | 14.69  |
| 10/11/2017 3:15  | 537300 | 143.516 | 21.308 | 327.117 | 5282.827 | 5683.635 | 3.115 | 3.865 | 189.293 | 1 | 14.689 |
| 10/11/2017 3:30  | 538200 | 143.546 | 21.306 | 327.186 | 5279.628 | 5680.418 | 3.113 | 3.863 | 189.407 | 1 | 14.695 |
| 10/11/2017 3:45  | 539100 | 143.55  | 21.308 | 327.195 | 5277.536 | 5677.931 | 3.112 | 3.861 | 189.482 | 1 | 14.684 |
| 10/11/2017 4:00  | 540000 | 143.551 | 21.306 | 327.196 | 5277.596 | 5678.2   | 3.112 | 3.861 | 189.48  | 1 | 14.69  |
| 10/11/2017 4:15  | 540900 | 143.546 | 21.308 | 327.186 | 5276.867 | 5677.181 | 3.112 | 3.86  | 189.506 | 1 | 14.692 |
| 10/11/2017 4:30  | 541800 | 143.552 | 21.306 | 327.2   | 5276.691 | 5677.247 | 3.112 | 3.861 | 189.513 | 1 | 14.692 |
| 10/11/2017 4:45  | 542700 | 143.549 | 21.304 | 327.193 | 5274.311 | 5674.87  | 3.11  | 3.859 | 189.598 | 1 | 14.687 |
| 10/11/2017 5:00  | 543600 | 143.516 | 21.307 | 327.117 | 5274.471 | 5674.776 | 3.11  | 3.859 | 189.592 | 1 | 14.686 |
| 10/11/2017 5:15  | 544500 | 143.521 | 21.309 | 327.129 | 5274.752 | 5674.763 | 3.11  | 3.859 | 189.582 | 1 | 14.687 |
| 10/11/2017 5:30  | 545400 | 143.523 | 21.307 | 327.133 | 5273.926 | 5674.14  | 3.11  | 3.858 | 189.612 | 1 | 14.687 |
| 10/11/2017 5:45  | 546300 | 143.52  | 21.307 | 327.127 | 527      |          |       |       |         |   |        |

Serial\_number: 1071288

Project ID:

MPWSP TSW Long Term

Location:

MPWSP MW-5M

LEVEL

UNIT: ft

Offset: 0.000000 ft

Altitude: 0.000000 ft

Density: 1.000000 kg/L

TEMPERATURE

UNIT: Deg C

CONDUCTIVITY

UNIT: μS/cm

| Date | Time      | ms       | LEVEL | TEMPERATURE | CONDUCTIVITY |        |
|------|-----------|----------|-------|-------------|--------------|--------|
|      | 10/5/2017 | 0:00:00  | 0     | 88.044      | 16           | 1331   |
|      | 10/5/2017 | 0:15:00  | 0     | 88.032      | 16           | 1332.2 |
|      | 10/5/2017 | 0:30:00  | 0     | 88.032      | 16           | 1331   |
|      | 10/5/2017 | 0:45:00  | 0     | 88.034      | 16           | 1333.4 |
|      | 10/5/2017 | 1:00:00  | 0     | 88.038      | 16           | 1331   |
|      | 10/5/2017 | 1:15:00  | 0     | 87.999      | 16           | 1331   |
|      | 10/5/2017 | 1:30:00  | 0     | 88.038      | 16           | 1331   |
|      | 10/5/2017 | 1:45:00  | 0     | 88.078      | 16           | 1332.2 |
|      | 10/5/2017 | 2:00:00  | 0     | 88.039      | 16           | 1332.2 |
|      | 10/5/2017 | 2:15:00  | 0     | 88.055      | 16           | 1331   |
|      | 10/5/2017 | 2:30:00  | 0     | 88.06       | 16           | 1331   |
|      | 10/5/2017 | 2:45:00  | 0     | 88.081      | 16           | 1332.2 |
|      | 10/5/2017 | 3:00:00  | 0     | 88.045      | 16           | 1332.2 |
|      | 10/5/2017 | 3:15:00  | 0     | 88.043      | 16           | 1331   |
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|      | 10/5/2017 | 3:45:00  | 0     | 88.105      | 16           | 1331   |
|      | 10/5/2017 | 4:00:00  | 0     | 88.112      | 16           | 1331   |
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|      | 10/5/2017 | 4:30:00  | 0     | 88.097      | 16           | 1332.2 |
|      | 10/5/2017 | 4:45:00  | 0     | 88.07       | 16           | 1332.2 |
|      | 10/5/2017 | 5:00:00  | 0     | 88.111      | 16           | 1332.2 |
|      | 10/5/2017 | 5:15:00  | 0     | 88.075      | 16           | 1332.2 |
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|      | 10/5/2017 | 11:00:00 | 0     | 88.063      | 16           | 1331   |
|      | 10/5/2017 | 11:15:00 | 0     | 88.068      | 16           | 1331   |
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|      | 10/5/2017 | 13:00:00 | 0     | 88.062      | 16           | 1331   |
|      | 10/5/2017 | 13:15:00 | 0     | 88.088      | 16           | 1331   |
|      | 10/5/2017 | 13:30:00 | 0     | 88.055      | 16           | 1331   |
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|      | 10/5/2017 | 17:00:00 | 0     | 88.069      | 16           | 1331   |
|      | 10/5/2017 | 17:15:00 | 0     | 88.125      | 16           | 1331   |
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|      | 10/5/2017 | 18:00:00 | 0     | 88.085      | 16           | 1331   |
|      | 10/5/2017 | 18:15:00 | 0     | 88.071      | 16           | 1332.2 |
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|      | 10/5/2017 | 19:00:00 | 0     | 88.089      | 16           | 1332.2 |
|      | 10/5/2017 | 19:15:00 | 0     | 88.069      | 16           | 1331   |
|      | 10/5/2017 | 19:30:00 | 0     | 88.104      | 16           | 1331   |
|      | 10/5/2017 | 19:45:00 | 0     | 88.099      | 16           | 1331   |

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|-----------|----------|---|--------|----|--------|
| 10/5/2017 | 20:00:00 | 0 | 88.096 | 16 | 1331   |
| 10/5/2017 | 20:15:00 | 0 | 88.096 | 16 | 1331   |
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| 10/5/2017 | 21:00:00 | 0 | 88.12  | 16 | 1331   |
| 10/5/2017 | 21:15:00 | 0 | 88.101 | 16 | 1331   |
| 10/5/2017 | 21:30:00 | 0 | 88.096 | 16 | 1331   |
| 10/5/2017 | 21:45:00 | 0 | 88.091 | 16 | 1331   |
| 10/5/2017 | 22:00:00 | 0 | 88.088 | 16 | 1331   |
| 10/5/2017 | 22:15:00 | 0 | 88.086 | 16 | 1331   |
| 10/5/2017 | 22:30:00 | 0 | 88.123 | 16 | 1331   |
| 10/5/2017 | 22:45:00 | 0 | 88.119 | 16 | 1331   |
| 10/5/2017 | 23:00:00 | 0 | 88.059 | 16 | 1331   |
| 10/5/2017 | 23:15:00 | 0 | 88.078 | 16 | 1331   |
| 10/5/2017 | 23:30:00 | 0 | 88.059 | 16 | 1331   |
| 10/5/2017 | 23:45:00 | 0 | 88.094 | 16 | 1331   |
| 10/6/2017 | 0:00:00  | 0 | 88.072 | 16 | 1331   |
| 10/6/2017 | 0:15:00  | 0 | 88.128 | 16 | 1331   |
| 10/6/2017 | 0:30:00  | 0 | 88.114 | 16 | 1332.2 |
| 10/6/2017 | 0:45:00  | 0 | 88.095 | 16 | 1331   |
| 10/6/2017 | 1:00:00  | 0 | 88.075 | 16 | 1331   |
| 10/6/2017 | 1:15:00  | 0 | 88.13  | 16 | 1331   |
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| 10/6/2017 | 4:00:00  | 0 | 88.132 | 16 | 1331   |
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| 10/6/2017 | 7:00:00  | 0 | 88.102 | 16 | 1329.9 |
| 10/6/2017 | 7:15:00  | 0 | 88.14  | 16 | 1333.4 |
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| 10/6/2017 | 8:00:00  | 0 | 88.101 | 16 | 1331   |
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| 10/6/2017 | 8:45:00  | 0 | 88.101 | 16 | 1331   |
| 10/6/2017 | 9:00:00  | 0 | 88.095 | 16 | 1331   |
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| 10/6/2017 | 9:30:00  | 0 | 88.075 | 16 | 1331   |
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| 10/6/2017 | 14:15:00 | 0 | 88.102 | 16 | 1331   |
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| 10/9/2017 | 15:15:00 | 0 | 88.341 | 16 | 1331   |
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| 10/9/2017 | 17:00:00 | 0 | 88.388 | 16 | 1333.4 |
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| 10/9/2017 | 18:00:00 | 0 | 88.412 | 16 | 1331   |
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| 10/9/2017 | 19:00:00 | 0 | 88.421 | 16 | 1332.2 |
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| 10/9/2017 | 19:30:00 | 0 | 88.376 | 16 | 1331   |
| 10/9/2017 | 19:45:00 | 0 | 88.389 | 16 | 1331   |

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|------------|----------|---|--------|----|--------|
| 10/9/2017  | 20:00:00 | 0 | 88.388 | 16 | 1332.2 |
| 10/9/2017  | 20:15:00 | 0 | 88.443 | 16 | 1333.4 |
| 10/9/2017  | 20:30:00 | 0 | 88.401 | 16 | 1331   |
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| 10/9/2017  | 21:00:00 | 0 | 88.387 | 16 | 1332.2 |
| 10/9/2017  | 21:15:00 | 0 | 88.389 | 16 | 1331   |
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| 10/10/2017 | 4:00:00  | 0 | 88.41  | 16 | 1331   |
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| 10/10/2017 | 4:45:00  | 0 | 88.389 | 16 | 1331   |
| 10/10/2017 | 5:00:00  | 0 | 88.425 | 16 | 1331   |
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| 10/10/2017 | 8:45:00  | 0 | 88.431 | 16 | 1331   |
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| 10/10/2017 | 10:00:00 | 0 | 88.405 | 16 | 1333.4 |
| 10/10/2017 | 10:15:00 | 0 | 88.392 | 16 | 1332.2 |
| 10/10/2017 | 10:30:00 | 0 | 88.376 | 16 | 1332.2 |
| 10/10/2017 | 10:45:00 | 0 | 88.416 | 16 | 1331   |
| 10/10/2017 | 11:00:00 | 0 | 88.398 | 16 | 1332.2 |
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| 10/10/2017 | 13:00:00 | 0 | 88.406 | 16 | 1331   |
| 10/10/2017 | 13:15:00 | 0 | 88.428 | 16 | 1332.2 |
| 10/10/2017 | 13:30:00 | 0 | 88.412 | 16 | 1333.4 |
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| 10/10/2017 | 14:00:00 | 0 | 88.435 | 16 | 1331   |
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| 10/10/2017 | 15:15:00 | 0 | 88.379 | 16 | 1331   |
| 10/10/2017 | 15:30:00 | 0 | 88.416 | 16 | 1331   |
| 10/10/2017 | 15:45:00 | 0 | 88.395 | 16 | 1332.2 |
| 10/10/2017 | 16:00:00 | 0 | 88.397 | 16 | 1331   |
| 10/10/2017 | 16:15:00 | 0 | 88.417 | 16 | 1331   |
| 10/10/2017 | 16:30:00 | 0 | 88.37  | 16 | 1331   |
| 10/10/2017 | 16:45:00 | 0 | 88.392 | 16 | 1332.2 |
| 10/10/2017 | 17:00:00 | 0 | 88.393 | 16 | 1332.2 |
| 10/10/2017 | 17:15:00 | 0 | 88.416 | 16 | 1333.4 |
| 10/10/2017 | 17:30:00 | 0 | 88.394 | 16 | 1331   |
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| 10/10/2017 | 18:00:00 | 0 | 88.391 | 16 | 1331   |
| 10/10/2017 | 18:15:00 | 0 | 88.414 | 16 | 1331   |
| 10/10/2017 | 18:30:00 | 0 | 88.408 | 16 | 1331   |
| 10/10/2017 | 18:45:00 | 0 | 88.429 | 16 | 1332.2 |
| 10/10/2017 | 19:00:00 | 0 | 88.41  | 16 | 1331   |
| 10/10/2017 | 19:15:00 | 0 | 88.405 | 16 | 1331   |
| 10/10/2017 | 19:30:00 | 0 | 88.425 | 16 | 1333.4 |
| 10/10/2017 | 19:45:00 | 0 | 88.404 | 16 | 1331   |

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| 10/10/2017 | 20:45:00 | 0 | 88.423 | 16 | 1331   |
| 10/10/2017 | 21:00:00 | 0 | 88.423 | 16 | 1332.2 |
| 10/10/2017 | 21:15:00 | 0 | 88.419 | 16 | 1333.4 |
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| 10/10/2017 | 22:00:00 | 0 | 88.414 | 16 | 1332.2 |
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| 10/10/2017 | 23:00:00 | 0 | 88.36  | 16 | 1331   |
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| 10/11/2017 | 1:00:00  | 0 | 88.386 | 16 | 1331   |
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| 10/11/2017 | 5:15:00  | 0 | 88.419 | 16 | 1331   |
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| 10/11/2017 | 10:00:00 | 0 | 88.407 | 16 | 1333.4 |
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| 10/11/2017 | 19:45:00 | 0 | 88.444 | 16 | 1331   |

|            |          |   |        |    |        |
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| 10/11/2017 | 20:00:00 | 0 | 88.42  | 16 | 1332.2 |
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| 10/11/2017 | 23:45:00 | 0 | 88.405 | 16 | 1332.2 |

Serial\_number: 1071264

Project ID:

MPWSP TSW Long Term Pumping

Location:

MPWSP MW-5S

LEVEL

UNIT: ft

Offset: 0.000000 ft

Altitude: 80.000000 ft

Density: 1.000000 kg/L

TEMPERATURE

UNIT: Deg C

CONDUCTIVITY

UNIT: μS/cm

| Date      | Time     | ms | LEVEL  | TEMPERATURE | CONDUCTIVITY |  |
|-----------|----------|----|--------|-------------|--------------|--|
| 10/5/2017 | 0:00:00  | 0  | 30.525 | 15.8        | 1965.4       |  |
| 10/5/2017 | 0:15:00  | 0  | 30.473 | 15.8        | 1965.4       |  |
| 10/5/2017 | 0:30:00  | 0  | 30.512 | 15.7        | 1968.8       |  |
| 10/5/2017 | 0:45:00  | 0  | 30.514 | 15.8        | 1965.4       |  |
| 10/5/2017 | 1:00:00  | 0  | 30.538 | 15.7        | 1968.8       |  |
| 10/5/2017 | 1:15:00  | 0  | 30.519 | 15.8        | 1965.4       |  |
| 10/5/2017 | 1:30:00  | 0  | 30.518 | 15.8        | 1965.4       |  |
| 10/5/2017 | 1:45:00  | 0  | 30.499 | 15.8        | 1966.6       |  |
| 10/5/2017 | 2:00:00  | 0  | 30.499 | 15.8        | 1966.6       |  |
| 10/5/2017 | 2:15:00  | 0  | 30.496 | 15.8        | 1965.4       |  |
| 10/5/2017 | 2:30:00  | 0  | 30.541 | 15.8        | 1965.4       |  |
| 10/5/2017 | 2:45:00  | 0  | 30.542 | 15.8        | 1966.6       |  |
| 10/5/2017 | 3:00:00  | 0  | 30.505 | 15.8        | 1965.4       |  |
| 10/5/2017 | 3:15:00  | 0  | 30.503 | 15.8        | 1965.4       |  |
| 10/5/2017 | 3:30:00  | 0  | 30.527 | 15.8        | 1965.4       |  |
| 10/5/2017 | 3:45:00  | 0  | 30.546 | 15.8        | 1965.4       |  |
| 10/5/2017 | 4:00:00  | 0  | 30.513 | 15.8        | 1965.4       |  |
| 10/5/2017 | 4:15:00  | 0  | 30.556 | 15.8        | 1965.4       |  |
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| 10/5/2017 | 4:45:00  | 0  | 30.551 | 15.7        | 1968.8       |  |
| 10/5/2017 | 5:00:00  | 0  | 30.532 | 15.8        | 1965.4       |  |
| 10/5/2017 | 5:15:00  | 0  | 30.497 | 15.8        | 1965.4       |  |
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| 10/5/2017 | 6:00:00  | 0  | 30.499 | 15.7        | 1968.8       |  |
| 10/5/2017 | 6:15:00  | 0  | 30.537 | 15.7        | 1968.8       |  |
| 10/5/2017 | 6:30:00  | 0  | 30.496 | 15.8        | 1965.4       |  |
| 10/5/2017 | 6:45:00  | 0  | 30.516 | 15.8        | 1965.4       |  |
| 10/5/2017 | 7:00:00  | 0  | 30.517 | 15.7        | 1968.8       |  |
| 10/5/2017 | 7:15:00  | 0  | 30.515 | 15.8        | 1965.4       |  |
| 10/5/2017 | 7:30:00  | 0  | 30.558 | 15.8        | 1965.4       |  |
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| 10/5/2017 | 8:45:00  | 0  | 30.498 | 15.8        | 1965.4       |  |
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| 10/5/2017 | 10:30:00 | 0  | 30.477 | 15.8        | 1965.4       |  |
| 10/5/2017 | 10:45:00 | 0  | 30.517 | 15.8        | 1965.4       |  |
| 10/5/2017 | 11:00:00 | 0  | 30.504 | 15.8        | 1965.4       |  |
| 10/5/2017 | 11:15:00 | 0  | 30.509 | 15.8        | 1965.4       |  |
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| 10/5/2017 | 11:45:00 | 0  | 30.543 | 15.7        | 1968.8       |  |
| 10/5/2017 | 12:00:00 | 0  | 30.542 | 15.8        | 1965.4       |  |
| 10/5/2017 | 12:15:00 | 0  | 30.472 | 15.8        | 1966.6       |  |
| 10/5/2017 | 12:30:00 | 0  | 30.533 | 15.8        | 1966.6       |  |
| 10/5/2017 | 12:45:00 | 0  | 30.576 | 15.8        | 1965.4       |  |
| 10/5/2017 | 13:00:00 | 0  | 30.503 | 15.8        | 1966.6       |  |
| 10/5/2017 | 13:15:00 | 0  | 30.529 | 15.8        | 1965.4       |  |
| 10/5/2017 | 13:30:00 | 0  | 30.496 | 15.8        | 1965.4       |  |
| 10/5/2017 | 13:45:00 | 0  | 30.581 | 15.8        | 1965.4       |  |
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| 10/5/2017 | 14:15:00 | 0  | 30.568 | 15.8        | 1966.6       |  |
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| 10/5/2017 | 15:15:00 | 0  | 30.502 | 15.8        | 1966.6       |  |
| 10/5/2017 | 15:30:00 | 0  | 30.522 | 15.8        | 1966.6       |  |
| 10/5/2017 | 15:45:00 | 0  | 30.545 | 15.7        | 1968.8       |  |
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| 10/5/2017 | 16:30:00 | 0  | 30.522 | 15.8        | 1966.6       |  |
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| 10/5/2017 | 18:00:00 | 0  | 30.507 | 15.8        | 1965.4       |  |
| 10/5/2017 | 18:15:00 | 0  | 30.531 | 15.8        | 1965.4       |  |
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| 10/5/2017 | 21:45:00 | 0 | 30.492 | 15.8 | 1966.6 |
| 10/5/2017 | 22:00:00 | 0 | 30.509 | 15.8 | 1966.6 |
| 10/5/2017 | 22:15:00 | 0 | 30.487 | 15.7 | 1968.8 |
| 10/5/2017 | 22:30:00 | 0 | 30.485 | 15.8 | 1966.6 |
| 10/5/2017 | 22:45:00 | 0 | 30.481 | 15.7 | 1968.8 |
| 10/5/2017 | 23:00:00 | 0 | 30.52  | 15.7 | 1968.8 |
| 10/5/2017 | 23:15:00 | 0 | 30.519 | 15.8 | 1966.6 |
| 10/5/2017 | 23:30:00 | 0 | 30.48  | 15.7 | 1968.8 |
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| 10/6/2017 | 0:45:00  | 0 | 30.497 | 15.7 | 1968.8 |
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| 10/6/2017 | 1:15:00  | 0 | 30.492 | 15.8 | 1966.6 |
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| 10/6/2017 | 2:00:00  | 0 | 30.525 | 15.7 | 1969.9 |
| 10/6/2017 | 2:15:00  | 0 | 30.506 | 15.8 | 1966.6 |
| 10/6/2017 | 2:30:00  | 0 | 30.53  | 15.8 | 1966.6 |
| 10/6/2017 | 2:45:00  | 0 | 30.492 | 15.8 | 1966.6 |
| 10/6/2017 | 3:00:00  | 0 | 30.494 | 15.7 | 1968.8 |
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| 10/6/2017 | 4:15:00  | 0 | 30.497 | 15.8 | 1966.6 |
| 10/6/2017 | 4:30:00  | 0 | 30.498 | 15.8 | 1966.6 |
| 10/6/2017 | 4:45:00  | 0 | 30.495 | 15.8 | 1966.6 |
| 10/6/2017 | 5:00:00  | 0 | 30.535 | 15.8 | 1965.4 |
| 10/6/2017 | 5:15:00  | 0 | 30.513 | 15.8 | 1966.6 |
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| 10/6/2017 | 7:00:00  | 0 | 30.523 | 15.8 | 1966.6 |
| 10/6/2017 | 7:15:00  | 0 | 30.503 | 15.8 | 1966.6 |
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| 10/6/2017 | 8:15:00  | 0 | 30.496 | 15.8 | 1966.6 |
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| 10/6/2017 | 9:15:00  | 0 | 30.498 | 15.8 | 1966.6 |
| 10/6/2017 | 9:30:00  | 0 | 30.496 | 15.8 | 1966.6 |
| 10/6/2017 | 9:45:00  | 0 | 30.497 | 15.8 | 1965.4 |
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| 10/6/2017 | 10:15:00 | 0 | 30.481 | 15.8 | 1966.6 |
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| 10/6/2017 | 11:15:00 | 0 | 30.538 | 15.7 | 1968.8 |
| 10/6/2017 | 11:30:00 | 0 | 30.525 | 15.8 | 1966.6 |
| 10/6/2017 | 11:45:00 | 0 | 30.535 | 15.8 | 1966.6 |
| 10/6/2017 | 12:00:00 | 0 | 30.564 | 15.8 | 1966.6 |
| 10/6/2017 | 12:15:00 | 0 | 30.513 | 15.7 | 1968.8 |
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| 10/6/2017 | 13:15:00 | 0 | 30.548 | 15.7 | 1968.8 |
| 10/6/2017 | 13:30:00 | 0 | 30.571 | 15.7 | 1968.8 |
| 10/6/2017 | 13:45:00 | 0 | 30.555 | 15.7 | 1968.8 |
| 10/6/2017 | 14:00:00 | 0 | 30.52  | 15.8 | 1966.6 |
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| 10/6/2017 | 15:30:00 | 0 | 30.538 | 15.8 | 1966.6 |
| 10/6/2017 | 15:45:00 | 0 | 30.558 | 15.8 | 1966.6 |
| 10/6/2017 | 16:00:00 | 0 | 30.544 | 15.8 | 1965.4 |
| 10/6/2017 | 16:15:00 | 0 | 30.544 | 15.7 | 1968.8 |
| 10/6/2017 | 16:30:00 | 0 | 30.546 | 15.7 | 1968.8 |
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| 10/6/2017 | 17:00:00 | 0 | 30.509 | 15.7 | 1968.8 |
| 10/6/2017 | 17:15:00 | 0 | 30.531 | 15.8 | 1965.4 |
| 10/6/2017 | 17:30:00 | 0 | 30.552 | 15.8 | 1966.6 |
| 10/6/2017 | 17:45:00 | 0 | 30.509 | 15.7 | 1968.8 |
| 10/6/2017 | 18:00:00 | 0 | 30.506 | 15.7 | 1968.8 |
| 10/6/2017 | 18:15:00 | 0 | 30.549 | 15.8 | 1965.4 |
| 10/6/2017 | 18:30:00 | 0 | 30.55  | 15.8 | 1966.6 |
| 10/6/2017 | 18:45:00 | 0 | 30.566 | 15.8 | 1965.4 |
| 10/6/2017 | 19:00:00 | 0 | 30.506 | 15.8 | 1965.4 |
| 10/6/2017 | 19:15:00 | 0 | 30.528 | 15.8 | 1965.4 |
| 10/6/2017 | 19:30:00 | 0 | 30.486 | 15.8 | 1966.6 |
| 10/6/2017 | 19:45:00 | 0 | 30.523 | 15.8 | 1966.6 |

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|-----------|----------|---|--------|------|--------|
| 10/6/2017 | 20:00:00 | 0 | 30.501 | 15.7 | 1968.8 |
| 10/6/2017 | 20:15:00 | 0 | 30.542 | 15.8 | 1965.4 |
| 10/6/2017 | 20:30:00 | 0 | 30.521 | 15.8 | 1966.6 |
| 10/6/2017 | 20:45:00 | 0 | 30.498 | 15.8 | 1966.6 |
| 10/6/2017 | 21:00:00 | 0 | 30.499 | 15.7 | 1969.9 |
| 10/6/2017 | 21:15:00 | 0 | 30.539 | 15.8 | 1966.6 |
| 10/6/2017 | 21:30:00 | 0 | 30.557 | 15.7 | 1968.8 |
| 10/6/2017 | 21:45:00 | 0 | 30.535 | 15.7 | 1968.8 |
| 10/6/2017 | 22:00:00 | 0 | 30.535 | 15.7 | 1968.8 |
| 10/6/2017 | 22:15:00 | 0 | 30.496 | 15.8 | 1966.6 |
| 10/6/2017 | 22:30:00 | 0 | 30.54  | 15.8 | 1966.6 |
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| 10/6/2017 | 23:00:00 | 0 | 30.542 | 15.7 | 1968.8 |
| 10/6/2017 | 23:15:00 | 0 | 30.523 | 15.8 | 1966.6 |
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| 10/6/2017 | 23:45:00 | 0 | 30.569 | 15.8 | 1966.6 |
| 10/7/2017 | 0:00:00  | 0 | 30.557 | 15.8 | 1965.4 |
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| 10/7/2017 | 1:30:00  | 0 | 30.551 | 15.8 | 1965.4 |
| 10/7/2017 | 1:45:00  | 0 | 30.55  | 15.8 | 1965.4 |
| 10/7/2017 | 2:00:00  | 0 | 30.542 | 15.7 | 1968.8 |
| 10/7/2017 | 2:15:00  | 0 | 30.542 | 15.8 | 1965.4 |
| 10/7/2017 | 2:30:00  | 0 | 30.544 | 15.8 | 1966.6 |
| 10/7/2017 | 2:45:00  | 0 | 30.572 | 15.7 | 1968.8 |
| 10/7/2017 | 3:00:00  | 0 | 30.581 | 15.7 | 1969.9 |
| 10/7/2017 | 3:15:00  | 0 | 30.509 | 15.7 | 1968.8 |
| 10/7/2017 | 3:30:00  | 0 | 30.569 | 15.7 | 1968.8 |
| 10/7/2017 | 3:45:00  | 0 | 30.555 | 15.7 | 1968.8 |
| 10/7/2017 | 4:00:00  | 0 | 30.521 | 15.7 | 1968.8 |
| 10/7/2017 | 4:15:00  | 0 | 30.54  | 15.7 | 1968.8 |
| 10/7/2017 | 4:30:00  | 0 | 30.578 | 15.8 | 1966.6 |
| 10/7/2017 | 4:45:00  | 0 | 30.545 | 15.8 | 1966.6 |
| 10/7/2017 | 5:00:00  | 0 | 30.589 | 15.7 | 1968.8 |
| 10/7/2017 | 5:15:00  | 0 | 30.551 | 15.8 | 1965.4 |
| 10/7/2017 | 5:30:00  | 0 | 30.612 | 15.8 | 1966.6 |
| 10/7/2017 | 5:45:00  | 0 | 30.571 | 15.8 | 1966.6 |
| 10/7/2017 | 6:00:00  | 0 | 30.529 | 15.8 | 1966.6 |
| 10/7/2017 | 6:15:00  | 0 | 30.557 | 15.7 | 1969.9 |
| 10/7/2017 | 6:30:00  | 0 | 30.577 | 15.8 | 1966.6 |
| 10/7/2017 | 6:45:00  | 0 | 30.553 | 15.8 | 1966.6 |
| 10/7/2017 | 7:00:00  | 0 | 30.554 | 15.8 | 1965.4 |
| 10/7/2017 | 7:15:00  | 0 | 30.532 | 15.8 | 1965.4 |
| 10/7/2017 | 7:30:00  | 0 | 30.553 | 15.7 | 1968.8 |
| 10/7/2017 | 7:45:00  | 0 | 30.531 | 15.8 | 1966.6 |
| 10/7/2017 | 8:00:00  | 0 | 30.548 | 15.8 | 1966.6 |
| 10/7/2017 | 8:15:00  | 0 | 30.543 | 15.8 | 1965.4 |
| 10/7/2017 | 8:30:00  | 0 | 30.518 | 15.8 | 1965.4 |
| 10/7/2017 | 8:45:00  | 0 | 30.575 | 15.8 | 1965.4 |
| 10/7/2017 | 9:00:00  | 0 | 30.515 | 15.8 | 1966.6 |
| 10/7/2017 | 9:15:00  | 0 | 30.553 | 15.8 | 1966.6 |
| 10/7/2017 | 9:30:00  | 0 | 30.534 | 15.8 | 1966.6 |
| 10/7/2017 | 9:45:00  | 0 | 30.539 | 15.8 | 1966.6 |
| 10/7/2017 | 10:00:00 | 0 | 30.555 | 15.8 | 1966.6 |
| 10/7/2017 | 10:15:00 | 0 | 30.558 | 15.7 | 1969.9 |
| 10/7/2017 | 10:30:00 | 0 | 30.581 | 15.7 | 1968.8 |
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| 10/7/2017 | 11:00:00 | 0 | 30.507 | 15.8 | 1966.6 |
| 10/7/2017 | 11:15:00 | 0 | 30.527 | 15.8 | 1966.6 |
| 10/7/2017 | 11:30:00 | 0 | 30.525 | 15.8 | 1965.4 |
| 10/7/2017 | 11:45:00 | 0 | 30.548 | 15.7 | 1968.8 |
| 10/7/2017 | 12:00:00 | 0 | 30.571 | 15.8 | 1965.4 |
| 10/7/2017 | 12:15:00 | 0 | 30.584 | 15.8 | 1965.4 |
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| 10/7/2017 | 13:00:00 | 0 | 30.573 | 15.8 | 1965.4 |
| 10/7/2017 | 13:15:00 | 0 | 30.52  | 15.8 | 1965.4 |
| 10/7/2017 | 13:30:00 | 0 | 30.583 | 15.8 | 1966.6 |
| 10/7/2017 | 13:45:00 | 0 | 30.531 | 15.8 | 1966.6 |
| 10/7/2017 | 14:00:00 | 0 | 30.593 | 15.8 | 1966.6 |
| 10/7/2017 | 14:15:00 | 0 | 30.574 | 15.8 | 1965.4 |
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| 10/7/2017 | 14:45:00 | 0 | 30.56  | 15.8 | 1966.6 |
| 10/7/2017 | 15:00:00 | 0 | 30.581 | 15.8 | 1966.6 |
| 10/7/2017 | 15:15:00 | 0 | 30.524 | 15.8 | 1966.6 |
| 10/7/2017 | 15:30:00 | 0 | 30.601 | 15.8 | 1965.4 |
| 10/7/2017 | 15:45:00 | 0 | 30.565 | 15.8 | 1966.6 |
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| 10/7/2017 | 16:15:00 | 0 | 30.57  | 15.8 | 1966.6 |
| 10/7/2017 | 16:30:00 | 0 | 30.588 | 15.8 | 1966.6 |
| 10/7/2017 | 16:45:00 | 0 | 30.566 | 15.7 | 1969.9 |
| 10/7/2017 | 17:00:00 | 0 | 30.534 | 15.8 | 1966.6 |
| 10/7/2017 | 17:15:00 | 0 | 30.576 | 15.8 | 1965.4 |
| 10/7/2017 | 17:30:00 | 0 | 30.562 | 15.8 | 1966.6 |
| 10/7/2017 | 17:45:00 | 0 | 30.55  | 15.7 | 1968.8 |
| 10/7/2017 | 18:00:00 | 0 | 30.572 | 15.7 | 1968.8 |
| 10/7/2017 | 18:15:00 | 0 | 30.604 | 15.7 | 1968.8 |
| 10/7/2017 | 18:30:00 | 0 | 30.567 | 15.7 | 1968.8 |
| 10/7/2017 | 18:45:00 | 0 | 30.537 | 15.7 | 1968.8 |
| 10/7/2017 | 19:00:00 | 0 | 30.578 | 15.7 | 1968.8 |
| 10/7/2017 | 19:15:00 | 0 | 30.581 | 15.8 | 1966.6 |
| 10/7/2017 | 19:30:00 | 0 | 30.581 | 15.8 | 1966.6 |
| 10/7/2017 | 19:45:00 | 0 | 30.59  | 15.8 | 1966.6 |

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| 10/7/2017 | 20:00:00 | 0 | 30.524 | 15.8 | 1966.6 |
| 10/7/2017 | 20:15:00 | 0 | 30.532 | 15.8 | 1965.4 |
| 10/7/2017 | 20:30:00 | 0 | 30.567 | 15.7 | 1968.8 |
| 10/7/2017 | 20:45:00 | 0 | 30.509 | 15.7 | 1968.8 |
| 10/7/2017 | 21:00:00 | 0 | 30.551 | 15.7 | 1968.8 |
| 10/7/2017 | 21:15:00 | 0 | 30.515 | 15.7 | 1969.9 |
| 10/7/2017 | 21:30:00 | 0 | 30.532 | 15.8 | 1965.4 |
| 10/7/2017 | 21:45:00 | 0 | 30.536 | 15.8 | 1965.4 |
| 10/7/2017 | 22:00:00 | 0 | 30.578 | 15.8 | 1966.6 |
| 10/7/2017 | 22:15:00 | 0 | 30.555 | 15.7 | 1968.8 |
| 10/7/2017 | 22:30:00 | 0 | 30.552 | 15.8 | 1966.6 |
| 10/7/2017 | 22:45:00 | 0 | 30.531 | 15.8 | 1966.6 |
| 10/7/2017 | 23:00:00 | 0 | 30.513 | 15.8 | 1966.6 |
| 10/7/2017 | 23:15:00 | 0 | 30.495 | 15.8 | 1966.6 |
| 10/7/2017 | 23:30:00 | 0 | 30.499 | 15.7 | 1967.6 |
| 10/7/2017 | 23:45:00 | 0 | 30.539 | 15.8 | 1966.6 |
| 10/8/2017 | 0:00:00  | 0 | 30.544 | 15.8 | 1966.6 |
| 10/8/2017 | 0:15:00  | 0 | 30.57  | 15.8 | 1966.6 |
| 10/8/2017 | 0:30:00  | 0 | 30.547 | 15.8 | 1966.6 |
| 10/8/2017 | 0:45:00  | 0 | 30.545 | 15.8 | 1966.6 |
| 10/8/2017 | 1:00:00  | 0 | 30.566 | 15.8 | 1966.6 |
| 10/8/2017 | 1:15:00  | 0 | 30.568 | 15.8 | 1965.4 |
| 10/8/2017 | 1:30:00  | 0 | 30.506 | 15.8 | 1965.4 |
| 10/8/2017 | 1:45:00  | 0 | 30.546 | 15.8 | 1965.4 |
| 10/8/2017 | 2:00:00  | 0 | 30.562 | 15.7 | 1968.8 |
| 10/8/2017 | 2:15:00  | 0 | 30.566 | 15.8 | 1965.4 |
| 10/8/2017 | 2:30:00  | 0 | 30.527 | 15.8 | 1966.6 |
| 10/8/2017 | 2:45:00  | 0 | 30.57  | 15.7 | 1968.8 |
| 10/8/2017 | 3:00:00  | 0 | 30.57  | 15.8 | 1966.6 |
| 10/8/2017 | 3:15:00  | 0 | 30.556 | 15.8 | 1966.6 |
| 10/8/2017 | 3:30:00  | 0 | 30.579 | 15.8 | 1966.6 |
| 10/8/2017 | 3:45:00  | 0 | 30.566 | 15.7 | 1968.8 |
| 10/8/2017 | 4:00:00  | 0 | 30.55  | 15.7 | 1968.8 |
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| 10/8/2017 | 4:30:00  | 0 | 30.575 | 15.7 | 1968.8 |
| 10/8/2017 | 4:45:00  | 0 | 30.584 | 15.8 | 1965.4 |
| 10/8/2017 | 5:00:00  | 0 | 30.569 | 15.8 | 1966.6 |
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| 10/9/2017  | 20:15:00 | 0 | 30.529 | 15.8 | 1966.6 |
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| 10/9/2017  | 21:15:00 | 0 | 30.574 | 15.8 | 1966.6 |
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| 10/10/2017 | 2:45:00  | 0 | 30.558 | 15.8 | 1966.6 |
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| 10/10/2017 | 4:00:00  | 0 | 30.575 | 15.7 | 1968.8 |
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| 10/10/2017 | 19:45:00 | 0 | 30.569 | 15.7 | 1968.8 |

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| 10/10/2017 | 22:15:00 | 0 | 30.538 | 15.8 | 1966.6 |
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| 10/10/2017 | 23:00:00 | 0 | 30.545 | 15.7 | 1968.8 |
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| 10/11/2017 | 0:30:00  | 0 | 30.55  | 15.8 | 1966.6 |
| 10/11/2017 | 0:45:00  | 0 | 30.551 | 15.8 | 1966.6 |
| 10/11/2017 | 1:00:00  | 0 | 30.551 | 15.8 | 1966.6 |
| 10/11/2017 | 1:15:00  | 0 | 30.534 | 15.7 | 1969.9 |
| 10/11/2017 | 1:30:00  | 0 | 30.557 | 15.7 | 1968.8 |
| 10/11/2017 | 1:45:00  | 0 | 30.577 | 15.8 | 1965.4 |
| 10/11/2017 | 2:00:00  | 0 | 30.577 | 15.8 | 1966.6 |
| 10/11/2017 | 2:15:00  | 0 | 30.559 | 15.8 | 1966.6 |
| 10/11/2017 | 2:30:00  | 0 | 30.582 | 15.8 | 1965.4 |
| 10/11/2017 | 2:45:00  | 0 | 30.565 | 15.8 | 1965.4 |
| 10/11/2017 | 3:00:00  | 0 | 30.591 | 15.8 | 1965.4 |
| 10/11/2017 | 3:15:00  | 0 | 30.555 | 15.8 | 1965.4 |
| 10/11/2017 | 3:30:00  | 0 | 30.58  | 15.8 | 1966.6 |
| 10/11/2017 | 3:45:00  | 0 | 30.622 | 15.7 | 1968.8 |
| 10/11/2017 | 4:00:00  | 0 | 30.602 | 15.7 | 1968.8 |
| 10/11/2017 | 4:15:00  | 0 | 30.601 | 15.8 | 1965.4 |
| 10/11/2017 | 4:30:00  | 0 | 30.582 | 15.7 | 1969.9 |
| 10/11/2017 | 4:45:00  | 0 | 30.582 | 15.8 | 1966.6 |
| 10/11/2017 | 5:00:00  | 0 | 30.621 | 15.7 | 1968.8 |
| 10/11/2017 | 5:15:00  | 0 | 30.604 | 15.7 | 1968.8 |
| 10/11/2017 | 5:30:00  | 0 | 30.597 | 15.8 | 1966.6 |
| 10/11/2017 | 5:45:00  | 0 | 30.575 | 15.7 | 1969.9 |
| 10/11/2017 | 6:00:00  | 0 | 30.607 | 15.8 | 1966.6 |
| 10/11/2017 | 6:15:00  | 0 | 30.55  | 15.7 | 1968.8 |
| 10/11/2017 | 6:30:00  | 0 | 30.526 | 15.8 | 1966.6 |
| 10/11/2017 | 6:45:00  | 0 | 30.545 | 15.7 | 1968.8 |
| 10/11/2017 | 7:00:00  | 0 | 30.539 | 15.7 | 1968.8 |
| 10/11/2017 | 7:15:00  | 0 | 30.538 | 15.7 | 1968.8 |
| 10/11/2017 | 7:30:00  | 0 | 30.553 | 15.8 | 1965.4 |
| 10/11/2017 | 7:45:00  | 0 | 30.547 | 15.8 | 1965.4 |
| 10/11/2017 | 8:00:00  | 0 | 30.561 | 15.8 | 1966.6 |
| 10/11/2017 | 8:15:00  | 0 | 30.593 | 15.7 | 1968.8 |
| 10/11/2017 | 8:30:00  | 0 | 30.532 | 15.7 | 1969.9 |
| 10/11/2017 | 8:45:00  | 0 | 30.545 | 15.7 | 1968.8 |
| 10/11/2017 | 9:00:00  | 0 | 30.516 | 15.8 | 1965.4 |
| 10/11/2017 | 9:15:00  | 0 | 30.527 | 15.7 | 1968.8 |
| 10/11/2017 | 9:30:00  | 0 | 30.525 | 15.7 | 1968.8 |
| 10/11/2017 | 9:45:00  | 0 | 30.516 | 15.7 | 1968.8 |
| 10/11/2017 | 10:00:00 | 0 | 30.514 | 15.8 | 1966.6 |
| 10/11/2017 | 10:15:00 | 0 | 30.515 | 15.8 | 1965.4 |
| 10/11/2017 | 10:30:00 | 0 | 30.514 | 15.7 | 1968.8 |
| 10/11/2017 | 10:45:00 | 0 | 30.516 | 15.7 | 1968.8 |
| 10/11/2017 | 11:00:00 | 0 | 30.534 | 15.7 | 1968.8 |
| 10/11/2017 | 11:15:00 | 0 | 30.516 | 15.8 | 1966.6 |
| 10/11/2017 | 11:30:00 | 0 | 30.535 | 15.7 | 1968.8 |
| 10/11/2017 | 11:45:00 | 0 | 30.518 | 15.7 | 1968.8 |
| 10/11/2017 | 12:00:00 | 0 | 30.537 | 15.7 | 1968.8 |
| 10/11/2017 | 12:15:00 | 0 | 30.582 | 15.7 | 1969.9 |
| 10/11/2017 | 12:30:00 | 0 | 30.568 | 15.7 | 1968.8 |
| 10/11/2017 | 12:45:00 | 0 | 30.53  | 15.7 | 1968.8 |
| 10/11/2017 | 13:00:00 | 0 | 30.574 | 15.7 | 1968.8 |
| 10/11/2017 | 13:15:00 | 0 | 30.537 | 15.7 | 1968.8 |
| 10/11/2017 | 13:30:00 | 0 | 30.521 | 15.7 | 1968.8 |
| 10/11/2017 | 13:45:00 | 0 | 30.563 | 15.7 | 1968.8 |
| 10/11/2017 | 14:00:00 | 0 | 30.57  | 15.8 | 1966.6 |
| 10/11/2017 | 14:15:00 | 0 | 30.575 | 15.8 | 1966.6 |
| 10/11/2017 | 14:30:00 | 0 | 30.578 | 15.7 | 1968.8 |
| 10/11/2017 | 14:45:00 | 0 | 30.561 | 15.7 | 1969.9 |
| 10/11/2017 | 15:00:00 | 0 | 30.58  | 15.7 | 1968.8 |
| 10/11/2017 | 15:15:00 | 0 | 30.579 | 15.8 | 1965.4 |
| 10/11/2017 | 15:30:00 | 0 | 30.56  | 15.7 | 1968.8 |
| 10/11/2017 | 15:45:00 | 0 | 30.578 | 15.8 | 1966.6 |
| 10/11/2017 | 16:00:00 | 0 | 30.56  | 15.7 | 1968.8 |
| 10/11/2017 | 16:15:00 | 0 | 30.579 | 15.7 | 1968.8 |
| 10/11/2017 | 16:30:00 | 0 | 30.561 | 15.7 | 1968.8 |
| 10/11/2017 | 16:45:00 | 0 | 30.58  | 15.8 | 1965.4 |
| 10/11/2017 | 17:00:00 | 0 | 30.544 | 15.8 | 1966.6 |
| 10/11/2017 | 17:15:00 | 0 | 30.586 | 15.8 | 1965.4 |
| 10/11/2017 | 17:30:00 | 0 | 30.572 | 15.7 | 1968.8 |
| 10/11/2017 | 17:45:00 | 0 | 30.549 | 15.7 | 1968.8 |
| 10/11/2017 | 18:00:00 | 0 | 30.567 | 15.7 | 1969.9 |
| 10/11/2017 | 18:15:00 | 0 | 30.567 | 15.8 | 1965.4 |
| 10/11/2017 | 18:30:00 | 0 | 30.549 | 15.8 | 1965.4 |
| 10/11/2017 | 18:45:00 | 0 | 30.581 | 15.8 | 1965.4 |
| 10/11/2017 | 19:00:00 | 0 | 30.559 | 15.8 | 1965.4 |
| 10/11/2017 | 19:15:00 | 0 | 30.574 | 15.8 | 1965.4 |
| 10/11/2017 | 19:30:00 | 0 | 30.574 | 15.8 | 1966.6 |
| 10/11/2017 | 19:45:00 | 0 | 30.531 | 15.8 | 1965.4 |

|            |          |   |        |      |        |
|------------|----------|---|--------|------|--------|
| 10/11/2017 | 20:00:00 | 0 | 30.565 | 15.8 | 1966.6 |
| 10/11/2017 | 20:15:00 | 0 | 30.562 | 15.8 | 1965.4 |
| 10/11/2017 | 20:30:00 | 0 | 30.557 | 15.7 | 1968.8 |
| 10/11/2017 | 20:45:00 | 0 | 30.551 | 15.8 | 1966.6 |
| 10/11/2017 | 21:00:00 | 0 | 30.503 | 15.8 | 1965.4 |
| 10/11/2017 | 21:15:00 | 0 | 30.559 | 15.7 | 1968.8 |
| 10/11/2017 | 21:30:00 | 0 | 30.514 | 15.8 | 1965.4 |
| 10/11/2017 | 21:45:00 | 0 | 30.531 | 15.7 | 1968.8 |
| 10/11/2017 | 22:00:00 | 0 | 30.528 | 15.8 | 1965.4 |
| 10/11/2017 | 22:15:00 | 0 | 30.525 | 15.7 | 1968.8 |
| 10/11/2017 | 22:30:00 | 0 | 30.521 | 15.7 | 1968.8 |
| 10/11/2017 | 22:45:00 | 0 | 30.497 | 15.7 | 1968.8 |
| 10/11/2017 | 23:00:00 | 0 | 30.552 | 15.7 | 1968.8 |
| 10/11/2017 | 23:15:00 | 0 | 30.527 | 15.7 | 1968.8 |
| 10/11/2017 | 23:30:00 | 0 | 30.53  | 15.8 | 1965.4 |
| 10/11/2017 | 23:45:00 | 0 | 30.511 | 15.8 | 1965.4 |

Report Date: 10/13/2017 8:37  
Report User Name: WMassoll  
Report Computer Name: WKST52  
Application: WinSitu.exe  
Application Version: 5.6.27.1

Log File Properties  
File Name: MPSWP MW-6M(L) LT Test\_2017-10-12\_11-14-43-705-BaroMerge.ws  
Create Date: 10/13/2017 8:31

Device Properties  
Device: Aqua TROLL 200  
Site: MPWSP MW-6M(L)  
Device Name:  
Serial Number: 483472  
Firmware Version: 2.01  
Hardware Version: 4  
Device Address: 1  
Device Comm Cfg: 19200 8 Even 1 (Modbus-RTU)  
Used Memory: 0  
Used Battery: 3

Log Configuration  
Log Name: MPSWP MW-6M(L) LT Test  
Created By: WMassoll  
Computer Name: PROBOOK2  
Application: WinSitu.exe  
Application Version: 5.6.27.1  
Create Date: 3/16/2017 11:30:17 AM Pacific Daylight Time  
Log Setup Time Zone: Pacific Daylight Time  
Notes Size(bytes): 4096  
Overwrite when full: Enabled  
Scheduled Start Time: 3/16/2017 12:00:00 PM Pacific Daylight Time  
Scheduled Stop Time: No Stop Time  
Type: Linear  
Interval: Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation  
Level Measurement Mode: Depth: 1.012  
Specific Gravity:

Other Log Settings  
Depth of Probe: 41.5883 (ft)  
Head Pressure: 18.246 (PSI)  
Temperature: 21.9248 (C)  
Specific Conductivity Model: Standard Methods  
Reference Temperature: 25  
Temperature Coefficient: 0.0191  
TDS Factor: 0.68

Log Notes:  
Date and Time Note  
3/16/2017 11:30 Used Battery: 3% Used Memory: 3% User Name: WMassoll  
3/16/2017 13:00 Log Download - Used Battery: 3% Used Memory: 3% User Name: WMassoll Interval - Start Time: 3/16/2017 12:00:00 PM Stop Time: 3/16/2017 1:00:00 PM  
3/23/2017 13:14 Log Download - Used Battery: 3% Used Memory: 3% User Name: AVanHaltsma Interval - Start Time: 3/16/2017 12:00:00 PM Stop Time: 3/23/2017 2:00:00 PM  
3/30/2017 11:34 Log Download - Used Battery: 3% Used Memory: 4% User Name: AVanHaltsma Interval - Start Time: 3/22/2017 10:00:00 PM Stop Time: 3/30/2017 12:45:00 PM  
4/6/2017 10:19 Log Download - Used Battery: 4% Used Memory: 4% User Name: WMassoll Interval - Start Time: 2/28/2017 12:00:00 PM Stop Time: 3/31/2017 11:59:00 PM  
4/6/2017 10:27 Log Download - Used Battery: 4% Used Memory: 4% User Name: WMassoll Interval - Start Time: 3/16/2017 12:00:00 PM Stop Time: 4/1/2017 6:00:00 AM  
4/6/2017 11:53 Log Download - Used Battery: 4% Used Memory: 4% User Name: WMassoll Interval - Start Time: 3/16/2017 12:00:00 PM Stop Time: 4/6/2017 12:45:00 PM  
4/13/2017 8:49 Log Download - Used Battery: 4% Used Memory: 6% User Name: WMassoll Interval - Start Time: 4/5/2017 12:00:00 PM Stop Time: 4/13/2017 9:45:00 AM  
4/13/2017 8:51 Log Download - Used Battery: 4% Used Memory: 6% User Name: WMassoll Interval - Start Time: 4/5/2017 12:00:00 PM Stop Time: 4/13/2017 8:45:00 AM  
4/13/2017 9:02 Log Download - Used Battery: 4% Used Memory: 6% User Name: WMassoll Interval - Start Time: 4/5/2017 12:00:00 PM Stop Time: 4/13/2017 9:45:00 AM  
4/20/2017 10:45 Log Download - Used Battery: 4% Used Memory: 6% User Name: AVanHaltsma Interval - Start Time: 4/12/2017 10:00:00 PM Stop Time: 4/20/2017 12:45:00 PM  
4/27/2017 9:50 Log Download - Used Battery: 5% Used Memory: 7% User Name: WMassoll Interval - Start Time: 4/19/2017 10:00:00 PM Stop Time: 4/27/2017 10:45:00 PM  
5/4/2017 10:12 Log Download - Used Battery: 5% Used Memory: 7% User Name: AVanHaltsma Interval - Start Time: 3/31/2017 10:00:00 PM Stop Time: 5/4/2017 12:00:00 PM  
5/11/2017 10:23 Log Download - Used Battery: 5% Used Memory: 9% User Name: AVanHaltsma Interval - Start Time: 5/3/2017 10:00:00 PM Stop Time: 5/11/2017 12:00:00 PM  
5/18/2017 14:33 Log Download - Used Battery: 6% Used Memory: 9% User Name: WMassoll Interval - Start Time: 5/10/2017 10:00:00 PM Stop Time: 5/18/2017 3:30:00 PM  
5/25/2017 10:04 Log Download - Used Battery: 6% Used Memory: 10% User Name: AVanHaltsma Interval - Start Time: 5/17/2017 10:00:00 PM Stop Time: 5/25/2017 10:15:00 AM  
6/1/2017 14:58 Log Download - Used Battery: 7% Used Memory: 10% User Name: WMassoll Interval - Start Time: 4/30/2017 10:00:00 PM Stop Time: 6/1/2017 3:45:00 PM  
6/8/2017 8:22 Log Download - Used Battery: 7% Used Memory: 12% User Name: WMassoll Interval - Start Time: 5/31/2017 10:00:00 PM Stop Time: 6/8/2017 8:15:00 AM  
6/15/2017 13:18 Log Download - Used Battery: 7% Used Memory: 12% User Name: AVanHaltsma Interval - Start Time: 6/7/2017 10:00:00 PM Stop Time: 6/15/2017 2:00:00 PM  
6/22/2017 7:15 Log Download - Used Battery: 8% Used Memory: 14% User Name: AVanHaltsma Interval - Start Time: 6/14/2017 10:00:00 PM Stop Time: 6/22/2017 8:15:00 AM  
6/29/2017 7:54 Log Download - Used Battery: 8% Used Memory: 14% User Name: WMassoll Interval - Start Time: 6/21/2017 10:00:00 PM Stop Time: 6/29/2017 8:45:00 AM  
7/6/2017 7:01 Log Download - Used Battery: 9% Used Memory: 15% User Name: AVanHaltsma Interval - Start Time: 5/31/2017 10:00:00 PM Stop Time: 7/6/2017 11:45:00 PM  
7/13/2017 10:13 Log Download - Used Battery: 9% Used Memory: 15% User Name: WMassoll Interval - Start Time: 7/5/2017 10:00:00 PM Stop Time: 7/13/2017 11:00:00 AM  
7/20/2017 9:19 Log Download - Used Battery: 9% Used Memory: 17% User Name: WMassoll Interval - Start Time: 7/12/2017 10:00:00 PM Stop Time: 7/20/2017 9:15:00 AM  
7/27/2017 11:00 Log Download - Used Battery: 10% Used Memory: 17% User Name: AVanHaltsma Interval - Start Time: 7/19/2017 10:00:00 PM Stop Time: 7/27/2017 12:00:00 PM  
8/3/2017 11:43 Log Download - Used Battery: 10% Used Memory: 18% User Name: AVanHaltsma Interval - Start Time: 6/30/2017 10:00:00 PM Stop Time: 8/3/2017 12:30:00 PM  
8/10/2017 8:07 Log Download - Used Battery: 10% Used Memory: 18% User Name: WMassoll Interval - Start Time: 8/2/2017 10:00:00 PM Stop Time: 8/10/2017 8:00:00 AM  
8/17/2017 10:57 Log Download - Used Battery: 11% Used Memory: 20% User Name: AVanHaltsma Interval - Start Time: 8/9/2017 10:00:00 PM Stop Time: 8/17/2017 11:30:00 AM  
8/24/2017 13:25 Log Download - Used Battery: 11% Used Memory: 21% User Name: AVanHaltsma Interval - Start Time: 8/16/2017 10:00:00 PM Stop Time: 8/24/2017 2:15:00 PM  
9/1/2017 10:11 Log Download - Used Battery: 11% Used Memory: 21% User Name: WMassoll Interval - Start Time: 7/31/2017 10:00:00 PM Stop Time: 9/1/2017 10:00:00 AM  
9/7/2017 11:26 Log Download - Used Battery: 12% Used Memory: 23% User Name: WMassoll Interval - Start Time: 8/31/2017 10:00:00 PM Stop Time: 9/7/2017 11:15:00 AM  
9/14/2017 12:47 Log Download - Used Battery: 12% Used Memory: 23% User Name: AVanHaltsma Interval - Start Time: 9/6/2017 10:00:00 PM Stop Time: 9/14/2017 2:45:00 PM  
9/21/2017 12:03 Log Download - Used Battery: 12% Used Memory: 25% User Name: AVanHaltsma Interval - Start Time: 9/13/2017 10:00:00 PM Stop Time: 9/21/2017 1:30:00 PM  
9/28/2017 10:01 Log Download - Used Battery: 13% Used Memory: 25% User Name: WMassoll Interval - Start Time: 9/20/2017 10:00:00 PM Stop Time: 9/28/2017 10:45:00 AM  
10/5/2017 11:41 Log Download - Used Battery: 13% Used Memory: 26% User Name: WMassoll Interval - Start Time: 8/31/2017 10:00:00 PM Stop Time: 10/5/2017 11:30:00 AM  
10/12/2017 11:13 Log Download - Used Battery: 14% Used Memory: 26% User Name: AVanHaltsma Interval - Start Time: 10/4/2017 10:00:00 PM Stop Time: 10/12/2017 12:00:00 PM  
10/13/2017 8:31 User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll\_2017-10-12\_17-14-36-585.wsi""

Log Data:  
Record Count: 725

Sensors: 2  
1 483472 PCTD 300 PSI (200.7m/658.7ft)  
2 0 Baro-Adjustment Calc

Time Zone: Pacific Daylight Time

|                 |                         | Sensor: PCTD(A) 658.7ft<br>SNW: 483472 |                 | Sensor: PCTD(A) 658.7ft<br>SNW: 483472 |                             | Sensor: PCTD(A) 658.7ft<br>SNW: 483472 |                | Sensor: PCTD(A) 658.7ft<br>SNW: 483472 |                      | Sensor: PCTD(A) 658.7ft<br>SNW: 483472 |                           | Sensor: PCTD(A) 658.7ft<br>SNW: 483472 |  | Sensor: PCTD(A) 658.7ft<br>SNW: 483472 |  | Sensor: Baro-Adj Calc<br>SNW: 000000 |  |
|-----------------|-------------------------|----------------------------------------|-----------------|----------------------------------------|-----------------------------|----------------------------------------|----------------|----------------------------------------|----------------------|----------------------------------------|---------------------------|----------------------------------------|--|----------------------------------------|--|--------------------------------------|--|
| Date and Time   | Elapsed Time<br>Seconds | Corrected<br>Pressure (PSI)            | Temperature (C) | Corrected<br>Depth (ft)                | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm)          | Salinity (PSU) | Total Dissolved Solids (ppt)           | Resistivity (ohm-cm) | Water Density (g/cm3)                  | Barometric Pressure (PSI) |                                        |  |                                        |  |                                      |  |
| 10/5/2017 0:00  | 7200                    | 115.363                                | 20.403          | 262.947                                | 4632.271                    | 5078.112                               | 2.762          | 3.453                                  | 215.877              | 1                                      | 14.751                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 0:15  | 8100                    | 115.368                                | 20.396          | 262.96                                 | 4632.077                    | 5078.662                               | 2.762          | 3.453                                  | 215.886              | 1                                      | 14.749                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 0:30  | 9000                    | 115.371                                | 20.413          | 262.967                                | 4634.217                    | 5079.196                               | 2.762          | 3.454                                  | 215.786              | 1                                      | 14.752                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 0:45  | 9900                    | 115.382                                | 20.401          | 262.992                                | 4632.346                    | 5078.474                               | 2.762          | 3.453                                  | 215.873              | 1                                      | 14.745                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 1:00  | 10800                   | 115.395                                | 20.424          | 263.02                                 | 4635.349                    | 5079.331                               | 2.762          | 3.454                                  | 215.733              | 1                                      | 14.737                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 1:15  | 11700                   | 115.381                                | 20.411          | 262.989                                | 4634.473                    | 5079.689                               | 2.762          | 3.454                                  | 215.774              | 1                                      | 14.744                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 1:30  | 12600                   | 115.398                                | 20.409          | 263.029                                | 4633.053                    | 5078.356                               | 2.762          | 3.453                                  | 215.84               | 1                                      | 14.743                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 1:45  | 13500                   | 115.41                                 | 20.398          | 263.055                                | 4632.349                    | 5078.812                               | 2.762          | 3.454                                  | 215.873              | 1                                      | 14.745                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 2:00  | 14400                   | 115.427                                | 20.396          | 263.093                                | 4631.764                    | 5078.338                               | 2.762          | 3.453                                  | 215.9                | 1                                      | 14.742                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 2:15  | 15300                   | 115.423                                | 20.412          | 263.086                                | 4633.897                    | 5078.92                                | 2.762          | 3.454                                  | 215.801              | 1                                      | 14.745                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 2:30  | 16200                   | 115.427                                | 20.407          | 263.093                                | 4632.659                    | 5078.165                               | 2.762          | 3.453                                  | 215.859              | 1                                      | 14.746                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 2:45  | 17100                   | 115.438                                | 20.408          | 263.12                                 | 4633.684                    | 5079.216                               | 2.762          | 3.454                                  | 215.811              | 1                                      | 14.741                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 3:00  | 18000                   | 115.459                                | 20.401          | 263.166                                | 4633.618                    | 5079.793                               | 2.763          | 3.454                                  | 215.814              | 1                                      | 14.739                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 3:15  | 18900                   | 115.456                                | 20.411          | 263.159                                | 4633.727                    | 5078.938                               | 2.762          | 3.454                                  | 215.809              | 1                                      | 14.748                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 3:30  | 19800                   | 115.466                                | 20.41           | 263.182                                | 4634.085                    | 5079.404                               | 2.762          | 3.454                                  | 215.792              | 1                                      | 14.738                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 3:45  | 20700                   | 115.481                                | 20.406          | 263.217                                | 4632.585                    | 5078.216                               | 2.762          | 3.453                                  | 215.862              | 1                                      | 14.739                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 4:00  | 21600                   | 115.493                                | 20.41           | 263.243                                | 4633.803                    | 5079.076                               | 2.762          | 3.454                                  | 215.805              | 1                                      | 14.739                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 4:15  | 22500                   | 115.481                                | 20.405          | 263.218                                | 4633.547                    | 5079.288                               | 2.762          | 3.454                                  | 215.817              | 1                                      | 14.74                     |                                        |  |                                        |  |                                      |  |
| 10/5/2017 4:30  | 23400                   | 115.505                                | 20.403          | 263.271                                | 4633.368                    | 5079.398                               | 2.762          | 3.454                                  | 215.826              | 1                                      | 14.737                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 4:45  | 24300                   | 115.516                                | 20.415          | 263.298                                | 4634.458                    | 5079.284                               | 2.762          | 3.454                                  | 215.775              | 1                                      | 14.739                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 5:00  | 25200                   | 115.529                                | 20.409          | 263.325                                | 4633.522                    | 5078.899                               | 2.762          | 3.454                                  | 215.819              | 1                                      | 14.736                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 5:15  | 26100                   | 115.544                                | 20.409          | 263.361                                | 4634.596                    | 5080.095                               | 2.763          | 3.454                                  | 215.769              | 1                                      | 14.741                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 5:30  | 27000                   | 115.552                                | 20.405          | 263.38                                 | 4634.578                    | 5080.511                               | 2.763          | 3.455                                  | 215.769              | 1                                      | 14.734                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 5:45  | 27900                   | 115.56                                 | 20.397          | 263.397                                | 4632.68                     | 5079.202                               | 2.762          | 3.454                                  | 215.858              | 1                                      | 14.74                     |                                        |  |                                        |  |                                      |  |
| 10/5/2017 6:00  | 28800                   | 115.561                                | 20.387          | 263.399                                | 4631.86                     | 5079.371                               | 2.762          | 3.454                                  | 215.896              | 1                                      | 14.737                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 6:15  | 29700                   | 115.568                                | 20.394          | 263.416                                | 4632.918                    | 5079.817                               | 2.763          | 3.454                                  | 215.847              | 1                                      | 14.739                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 6:30  | 30600                   | 115.558                                | 20.414          | 263.392                                | 4635.401                    | 5080.391                               | 2.763          | 3.455                                  | 215.731              | 1                                      | 14.738                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 6:45  | 31500                   | 115.525                                | 20.406          | 263.318                                | 4634.374                    | 5080.167                               | 2.763          | 3.455                                  | 215.779              | 1                                      | 14.739                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 7:00  | 32400                   | 115.498                                | 20.419          | 263.255                                | 4635.733                    | 5080.208                               | 2.763          | 3.455                                  | 215.716              | 1                                      | 14.735                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 7:15  | 33300                   | 115.456                                | 20.414          | 263.159                                | 4634.668                    | 5079.645                               | 2.762          | 3.454                                  | 215.765              | 1                                      | 14.74                     |                                        |  |                                        |  |                                      |  |
| 10/5/2017 7:30  | 34200                   | 115.438                                | 20.407          | 263.118                                | 4634.508                    | 5080.175                               | 2.763          | 3.455                                  | 215.773              | 1                                      | 14.732                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 7:45  | 35100                   | 115.414                                | 20.421          | 263.065                                | 4636.262                    | 5080.556                               | 2.763          | 3.455                                  | 215.691              | 1                                      | 14.737                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 8:00  | 36000                   | 115.38                                 | 20.411          | 262.988                                | 4636.095                    | 5081.495                               | 2.764          | 3.455                                  | 215.699              | 1                                      | 14.742                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 8:15  | 36900                   | 115.378                                | 20.409          | 262.982                                | 4634.868                    | 5080.346                               | 2.763          | 3.455                                  | 215.756              | 1                                      | 14.745                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 8:30  | 37800                   | 115.366                                | 20.409          | 262.954                                | 4634.93                     | 5080.387                               | 2.763          | 3.455                                  | 215.753              | 1                                      | 14.738                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 8:45  | 38700                   | 115.333                                | 20.421          | 262.88                                 | 4635.217                    | 5079.483                               | 2.762          | 3.454                                  | 215.74               | 1                                      | 14.741                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 9:00  | 39600                   | 115.308                                | 20.413          | 262.822                                | 4635.646                    | 5080.735                               | 2.763          | 3.455                                  | 215.72               | 1                                      | 14.743                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 9:15  | 40500                   | 115.3                                  | 20.413          | 262.804                                | 4635.209                    | 5080.349                               | 2.763          | 3.455                                  | 215.74               | 1                                      | 14.74                     |                                        |  |                                        |  |                                      |  |
| 10/5/2017 9:30  | 41400                   | 115.275                                | 20.414          | 262.747                                | 4636.076                    | 5081.159                               | 2.763          | 3.455                                  | 215.7                | 1                                      | 14.74                     |                                        |  |                                        |  |                                      |  |
| 10/5/2017 9:45  | 42300                   | 115.273                                | 20.409          | 262.744                                | 4634.93                     | 5080.433                               | 2.763          | 3.455                                  | 215.753              | 1                                      | 14.742                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 10:00 | 43200                   | 115.272                                | 20.403          | 262.741                                | 4634.058                    | 5080.09                                | 2.763          | 3.454                                  | 215.794              | 1                                      | 14.739                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 10:15 | 44100                   | 115.237                                | 20.41           | 262.661                                | 4635.731                    | 5081.181                               | 2.763          | 3.455                                  | 215.716              | 1                                      | 14.747                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 10:30 | 45000                   | 115.246                                | 20.397          | 262.681                                | 4633.607                    | 5080.256                               | 2.763          | 3.455                                  | 215.815              | 1                                      | 14.738                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 10:45 | 45900                   | 115.226                                | 20.39           | 262.635                                | 4633.841                    | 5081.284                               | 2.763          | 3.455                                  | 215.804              | 1                                      | 14.741                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 11:00 | 46800                   | 115.293                                | 20.417          | 262.787                                | 4636.912                    | 5081.787                               | 2.764          | 3.456                                  | 215.661              | 1                                      | 14.738                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 11:15 | 47700                   | 115.292                                | 20.403          | 262.785                                | 4635.434                    | 5081.58                                | 2.764          | 3.455                                  | 215.73               | 1                                      | 14.735                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 11:30 | 48600                   | 115.288                                | 20.414          | 262.777                                | 4636.353                    | 5081.5                                 | 2.764          | 3.455                                  | 215.687              | 1                                      | 14.736                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 11:45 | 49500                   | 115.304                                | 20.415          | 262.814                                | 4635.468                    | 5080.334                               | 2.763          | 3.455                                  | 215.728              | 1                                      | 14.742                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 12:00 | 50400                   | 115.314                                | 20.401          | 262.836                                | 4635.108                    | 5081.512                               | 2.764          | 3.455                                  | 215.742              | 1                                      | 14.737                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 12:15 | 51300                   | 115.338                                | 20.403          | 262.892                                | 4634.76                     | 5080.925                               | 2.763          | 3.455                                  | 215.761              | 1                                      | 14.735                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 12:30 | 52200                   | 115.337                                | 20.403          | 262.889                                | 4635.705                    | 5081.923                               | 2.764          | 3.456                                  | 215.717              | 1                                      | 14.736                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 12:45 | 53100                   | 115.354                                | 20.42           | 262.927                                | 4636.307                    | 5080.771                               | 2.763          | 3.455                                  | 215.689              | 1                                      | 14.729                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 13:00 | 54000                   | 115.342                                | 20.403          | 262.901                                | 4634.015                    | 5080.071                               | 2.763          | 3.454                                  | 215.796              | 1                                      | 14.734                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 13:15 | 54900                   | 115.351                                | 20.412          | 262.921                                | 4637.411                    | 5082.817                               | 2.764          | 3.456                                  | 215.638              | 1                                      | 14.727                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 13:30 | 55800                   | 115.353                                | 20.399          | 262.924                                | 4634.22                     | 5080.696                               | 2.763          | 3.455                                  | 215.786              | 1                                      | 14.724                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 13:45 | 56700                   | 115.354                                | 20.415          | 262.926                                | 4637.902                    | 5083.077                               | 2.764          | 3.456                                  | 215.615              | 1                                      | 14.723                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 14:00 | 57600                   | 115.356                                | 20.408          | 262.932                                | 4636.571                    | 5082.335                               | 2.764          | 3.456                                  | 215.677              | 1                                      | 14.721                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 14:15 | 58500                   | 115.351                                | 20.408          | 262.919                                | 4636.058                    | 5081.743                               | 2.764          | 3.456                                  | 215.701              | 1                                      | 14.721                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 14:30 | 59400                   | 115.355                                | 20.395          | 262.931                                | 4635.092                    | 5082.079                               | 2.764          | 3.456                                  | 215.745              | 1                                      | 14.717                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 14:45 | 60300                   | 115.337                                | 20.409          | 262.89                                 | 4636.276                    | 5081.889                               | 2.764          | 3.456                                  | 215.69               | 1                                      | 14.719                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 15:00 | 61200                   | 115.333                                | 20.402          | 262.879                                | 4635.062                    | 5081.292                               | 2.763          | 3.455                                  | 215.747              | 1                                      | 14.716                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 15:15 | 62100                   | 115.33                                 | 20.4            | 262.873                                | 4635.356                    | 5081.83                                | 2.764          | 3.456                                  | 215.73               | 1                                      | 14.712                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 15:30 | 63000                   | 115.327                                | 20.417          | 262.866                                | 4636.337                    | 5081.147                               | 2.763          | 3.455                                  | 215.688              | 1                                      | 14.713                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 15:45 | 63900                   | 115.327                                | 20.414          | 262.866                                | 4635.736                    | 5080.74                                | 2.763          | 3.455                                  | 215.715              | 1                                      | 14.707                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 16:00 | 64800                   | 115.299                                | 20.403          | 262.801                                | 4635.428                    | 5081.657                               | 2.764          | 3.456                                  | 215.73               | 1                                      | 14.714                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 16:15 | 65700                   | 115.302                                | 20.403          | 262.81                                 | 4635.69                     | 5081.936                               | 2.764          | 3.456                                  | 215.718              | 1                                      | 14.708                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 16:30 | 66600                   | 115.289                                | 20.391          | 262.779                                | 4634.421                    | 5081.752                               | 2.764          | 3.456                                  | 215.777              | 1                                      | 14.701                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 16:45 | 67500                   | 115.285                                | 20.398          | 262.775                                | 4635.685                    | 5082.431                               | 2.764          | 3.456                                  | 215.718              | 1                                      | 14.706                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 17:00 | 68400                   | 115.267                                | 20.414          | 262.73                                 | 4637.405                    | 5082.63                                | 2.764          | 3.456                                  | 215.635              | 1                                      | 14.703                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 17:15 | 69300                   | 115.274                                | 20.425          | 262.746                                | 4637.376                    | 5081.395                               | 2.763          | 3.455                                  | 215.639              | 1                                      | 14.708                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 17:30 | 70200                   | 115.279                                | 20.418          | 262.757                                | 4637.567                    | 5082.338                               | 2.764          | 3.456                                  | 215.63               | 1                                      | 14.704                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 17:45 | 71100                   | 115.289                                | 20.411          | 262.778                                | 4637.107                    | 5082.586                               | 2.764          | 3.456                                  | 215                  |                                        |                           |                                        |  |                                        |  |                                      |  |

|                 |        |         |        |         |          |          |       |       |         |   |        |
|-----------------|--------|---------|--------|---------|----------|----------|-------|-------|---------|---|--------|
| 10/6/2017 0:30  | 95400  | 115.452 | 20.414 | 263.15  | 4638.228 | 5083.507 | 2.765 | 3.457 | 215.6   | 1 | 14.729 |
| 10/6/2017 0:45  | 96300  | 115.452 | 20.412 | 263.15  | 4637.561 | 5083.01  | 2.764 | 3.456 | 215.631 | 1 | 14.725 |
| 10/6/2017 1:00  | 97200  | 115.477 | 20.417 | 263.208 | 4638.001 | 5082.925 | 2.764 | 3.456 | 215.61  | 1 | 14.727 |
| 10/6/2017 1:15  | 98100  | 115.515 | 20.408 | 263.294 | 4638.083 | 5083.98  | 2.765 | 3.457 | 215.606 | 1 | 14.722 |
| 10/6/2017 1:30  | 99000  | 115.493 | 20.399 | 263.244 | 4636.175 | 5082.849 | 2.764 | 3.456 | 215.695 | 1 | 14.725 |
| 10/6/2017 1:45  | 99900  | 115.496 | 20.403 | 263.252 | 4636.796 | 5083.148 | 2.764 | 3.457 | 215.686 | 1 | 14.729 |
| 10/6/2017 2:00  | 100800 | 115.502 | 20.405 | 263.264 | 4638.054 | 5083.064 | 2.764 | 3.456 | 215.608 | 1 | 14.732 |
| 10/6/2017 2:15  | 101700 | 115.501 | 20.418 | 263.263 | 4638.048 | 5082.865 | 2.764 | 3.456 | 215.608 | 1 | 14.73  |
| 10/6/2017 2:30  | 102600 | 115.519 | 20.414 | 263.304 | 4639.121 | 5084.431 | 2.765 | 3.457 | 215.558 | 1 | 14.728 |
| 10/6/2017 2:45  | 103500 | 115.526 | 20.411 | 263.32  | 4637.855 | 5083.369 | 2.765 | 3.457 | 215.617 | 1 | 14.727 |
| 10/6/2017 3:00  | 104400 | 115.537 | 20.398 | 263.343 | 4637.324 | 5084.209 | 2.765 | 3.457 | 215.642 | 1 | 14.73  |
| 10/6/2017 3:15  | 105300 | 115.544 | 20.361 | 263.361 | 4638.887 | 5085.417 | 2.766 | 3.458 | 215.578 | 1 | 14.724 |
| 10/6/2017 3:30  | 106200 | 115.538 | 20.408 | 263.347 | 4638.663 | 5082.663 | 2.764 | 3.456 | 215.631 | 1 | 14.73  |
| 10/6/2017 3:45  | 107100 | 115.556 | 20.41  | 263.388 | 4637.985 | 5083.669 | 2.765 | 3.457 | 215.611 | 1 | 14.726 |
| 10/6/2017 4:00  | 108000 | 115.572 | 20.408 | 263.424 | 4638.353 | 5084.241 | 2.765 | 3.457 | 215.594 | 1 | 14.722 |
| 10/6/2017 4:15  | 108900 | 115.575 | 20.413 | 263.431 | 4637.991 | 5083.35  | 2.765 | 3.457 | 215.611 | 1 | 14.726 |
| 10/6/2017 4:30  | 109800 | 115.587 | 20.404 | 263.458 | 4637.627 | 5083.873 | 2.765 | 3.457 | 215.628 | 1 | 14.727 |
| 10/6/2017 4:45  | 110700 | 115.58  | 20.404 | 263.442 | 4638.41  | 5084.71  | 2.765 | 3.458 | 215.592 | 1 | 14.728 |
| 10/6/2017 5:00  | 111600 | 115.577 | 20.409 | 263.436 | 4637.545 | 5083.28  | 2.765 | 3.457 | 215.631 | 1 | 14.726 |
| 10/6/2017 5:15  | 112500 | 115.589 | 20.421 | 263.463 | 4638.527 | 5083.12  | 2.764 | 3.457 | 215.586 | 1 | 14.726 |
| 10/6/2017 5:30  | 113400 | 115.584 | 20.421 | 263.451 | 4639.199 | 5083.865 | 2.765 | 3.457 | 215.554 | 1 | 14.731 |
| 10/6/2017 5:45  | 114300 | 115.618 | 20.409 | 263.528 | 4638.267 | 5084.054 | 2.765 | 3.457 | 215.598 | 1 | 14.724 |
| 10/6/2017 6:00  | 115200 | 115.613 | 20.416 | 263.518 | 4639.438 | 5084.611 | 2.765 | 3.458 | 215.543 | 1 | 14.724 |
| 10/6/2017 6:15  | 116100 | 115.633 | 20.402 | 263.563 | 4638.22  | 5084.735 | 2.765 | 3.458 | 215.6   | 1 | 14.726 |
| 10/6/2017 6:30  | 117000 | 115.613 | 20.416 | 263.517 | 4639.371 | 5084.538 | 2.765 | 3.457 | 215.546 | 1 | 14.732 |
| 10/6/2017 6:45  | 117900 | 115.625 | 20.41  | 263.545 | 4638.652 | 5084.438 | 2.765 | 3.457 | 215.58  | 1 | 14.733 |
| 10/6/2017 7:00  | 118800 | 115.626 | 20.403 | 263.548 | 4637.536 | 5083.94  | 2.765 | 3.457 | 215.632 | 1 | 14.731 |
| 10/6/2017 7:15  | 119700 | 115.627 | 20.408 | 263.551 | 4638.242 | 5084.184 | 2.765 | 3.457 | 215.599 | 1 | 14.732 |
| 10/6/2017 7:30  | 120600 | 115.643 | 20.431 | 263.586 | 4641.273 | 5085.061 | 2.766 | 3.458 | 215.458 | 1 | 14.736 |
| 10/6/2017 7:45  | 121500 | 115.631 | 20.424 | 263.558 | 4639.361 | 5083.709 | 2.765 | 3.457 | 215.547 | 1 | 14.732 |
| 10/6/2017 8:00  | 122400 | 115.628 | 20.417 | 263.554 | 4638.41  | 5083.429 | 2.765 | 3.457 | 215.591 | 1 | 14.736 |
| 10/6/2017 8:15  | 123300 | 115.609 | 20.406 | 263.508 | 4638.734 | 5084.946 | 2.766 | 3.458 | 215.576 | 1 | 14.744 |
| 10/6/2017 8:30  | 124200 | 115.605 | 20.409 | 263.5   | 4638.865 | 5084.7   | 2.765 | 3.458 | 215.57  | 1 | 14.736 |
| 10/6/2017 8:45  | 125100 | 115.596 | 20.421 | 263.48  | 4639.406 | 5084.019 | 2.765 | 3.457 | 215.545 | 1 | 14.741 |
| 10/6/2017 9:00  | 126000 | 115.572 | 20.406 | 263.424 | 4638.035 | 5084.134 | 2.765 | 3.457 | 215.609 | 1 | 14.753 |
| 10/6/2017 9:15  | 126900 | 115.57  | 20.403 | 263.42  | 4638.191 | 5084.686 | 2.765 | 3.458 | 215.601 | 1 | 14.743 |
| 10/6/2017 9:30  | 127800 | 115.551 | 20.403 | 263.377 | 4638.363 | 5084.917 | 2.765 | 3.458 | 215.593 | 1 | 14.751 |
| 10/6/2017 9:45  | 128700 | 115.555 | 20.403 | 263.386 | 4637.628 | 5084.051 | 2.765 | 3.457 | 215.627 | 1 | 14.744 |
| 10/6/2017 10:00 | 129600 | 115.529 | 20.408 | 263.327 | 4638.978 | 5085.019 | 2.766 | 3.458 | 215.565 | 1 | 14.752 |
| 10/6/2017 10:15 | 130500 | 115.528 | 20.414 | 263.323 | 4640.128 | 5085.628 | 2.766 | 3.458 | 215.511 | 1 | 14.747 |
| 10/6/2017 10:30 | 131400 | 115.506 | 20.404 | 263.273 | 4639.069 | 5085.462 | 2.766 | 3.458 | 215.561 | 1 | 14.75  |
| 10/6/2017 10:45 | 132300 | 115.504 | 20.419 | 263.269 | 4640.329 | 5085.254 | 2.766 | 3.458 | 215.502 | 1 | 14.747 |
| 10/6/2017 11:00 | 133200 | 115.51  | 20.394 | 263.294 | 4638.59  | 5084.075 | 2.765 | 3.457 | 215.676 | 1 | 14.739 |
| 10/6/2017 11:15 | 134100 | 115.487 | 20.412 | 263.231 | 4638.968 | 5085.543 | 2.765 | 3.457 | 215.565 | 1 | 14.739 |
| 10/6/2017 11:30 | 135000 | 115.465 | 20.408 | 263.181 | 4639.207 | 5085.203 | 2.766 | 3.458 | 215.554 | 1 | 14.74  |
| 10/6/2017 11:45 | 135900 | 115.457 | 20.418 | 263.161 | 4640.17  | 5085.19  | 2.766 | 3.458 | 215.509 | 1 | 14.737 |
| 10/6/2017 12:00 | 136800 | 115.446 | 20.409 | 263.137 | 4639.439 | 5085.413 | 2.766 | 3.458 | 215.543 | 1 | 14.737 |
| 10/6/2017 12:15 | 137700 | 115.442 | 20.411 | 263.128 | 4639.458 | 5085.164 | 2.766 | 3.458 | 215.542 | 1 | 14.73  |
| 10/6/2017 12:30 | 138600 | 115.404 | 20.4   | 263.04  | 4640.146 | 5087.081 | 2.767 | 3.459 | 215.51  | 1 | 14.739 |
| 10/6/2017 12:45 | 139500 | 115.397 | 20.402 | 263.025 | 4639.292 | 5085.912 | 2.766 | 3.458 | 215.55  | 1 | 14.735 |
| 10/6/2017 13:00 | 140400 | 115.392 | 20.406 | 263.015 | 4638.185 | 5084.279 | 2.765 | 3.457 | 215.602 | 1 | 14.734 |
| 10/6/2017 13:15 | 141300 | 115.392 | 20.408 | 263.013 | 4639.322 | 5085.312 | 2.766 | 3.458 | 215.549 | 1 | 14.722 |
| 10/6/2017 13:30 | 142200 | 115.365 | 20.404 | 262.953 | 4638.361 | 5084.752 | 2.765 | 3.458 | 215.593 | 1 | 14.725 |
| 10/6/2017 13:45 | 143100 | 115.364 | 20.408 | 262.951 | 4638.855 | 5084.818 | 2.765 | 3.458 | 215.57  | 1 | 14.726 |
| 10/6/2017 14:00 | 144000 | 115.36  | 20.396 | 262.941 | 4638.179 | 5085.324 | 2.766 | 3.458 | 215.602 | 1 | 14.717 |
| 10/6/2017 14:15 | 144900 | 115.326 | 20.414 | 262.886 | 4641.233 | 5086.839 | 2.767 | 3.459 | 215.46  | 1 | 14.716 |
| 10/6/2017 14:30 | 145800 | 115.333 | 20.398 | 262.88  | 4639.528 | 5085.565 | 2.766 | 3.458 | 215.539 | 1 | 14.718 |
| 10/6/2017 14:45 | 146700 | 115.329 | 20.383 | 262.87  | 4637.393 | 5085.849 | 2.766 | 3.458 | 215.638 | 1 | 14.714 |
| 10/6/2017 15:00 | 147600 | 115.316 | 20.4   | 262.842 | 4639.223 | 5086.124 | 2.766 | 3.459 | 215.553 | 1 | 14.715 |
| 10/6/2017 15:15 | 148500 | 115.319 | 20.392 | 262.846 | 4639.092 | 5086.791 | 2.767 | 3.459 | 215.559 | 1 | 14.71  |
| 10/6/2017 15:30 | 149400 | 115.31  | 20.422 | 262.826 | 4641.6   | 5086.348 | 2.766 | 3.459 | 215.443 | 1 | 14.714 |
| 10/6/2017 15:45 | 150300 | 115.301 | 20.416 | 262.807 | 4640.327 | 5086.348 | 2.766 | 3.459 | 215.502 | 1 | 14.712 |
| 10/6/2017 16:00 | 151200 | 115.316 | 20.416 | 262.84  | 4640.473 | 5085.737 | 2.766 | 3.458 | 215.495 | 1 | 14.715 |
| 10/6/2017 16:15 | 152100 | 115.332 | 20.403 | 262.876 | 4638.993 | 5085.547 | 2.766 | 3.458 | 215.564 | 1 | 14.713 |
| 10/6/2017 16:30 | 153000 | 115.32  | 20.403 | 262.85  | 4639.751 | 5086.313 | 2.766 | 3.459 | 215.529 | 1 | 14.709 |
| 10/6/2017 16:45 | 153900 | 115.325 | 20.414 | 262.862 | 4640.517 | 5086.064 | 2.766 | 3.459 | 215.493 | 1 | 14.711 |
| 10/6/2017 17:00 | 154800 | 115.328 | 20.398 | 262.868 | 4639.285 | 5086.407 | 2.766 | 3.459 | 215.55  | 1 | 14.713 |
| 10/6/2017 17:15 | 155700 | 115.333 | 20.408 | 262.879 | 4640.696 | 5086.679 | 2.767 | 3.459 | 215.485 | 1 | 14.71  |
| 10/6/2017 17:30 | 156600 | 115.335 | 20.403 | 262.885 | 4640.097 | 5086.692 | 2.767 | 3.459 | 215.513 | 1 | 14.707 |
| 10/6/2017 17:45 | 157500 | 115.347 | 20.384 | 262.912 | 4637.985 | 5086.479 | 2.766 | 3.459 | 215.611 | 1 | 14.714 |
| 10/6/2017 18:00 | 158400 | 115.366 | 20.407 | 262.954 | 4639.682 | 5085.885 | 2.766 | 3.458 | 215.532 | 1 | 14.705 |
| 10/6/2017 18:15 | 159300 | 115.362 | 20.394 | 262.946 | 4638.767 | 5086.239 | 2.766 | 3.459 | 215.575 | 1 | 14.712 |
| 10/6/2017 18:30 | 160200 | 115.376 | 20.401 | 262.978 | 4639.349 | 5086.133 | 2.766 | 3.459 | 215.548 | 1 | 14.711 |
| 10/6/2017 18:45 | 161100 | 115.386 | 20.4   | 263     | 4639.92  | 5086.833 | 2.767 | 3.459 | 215.521 | 1 | 14.71  |
| 10/6/2017 19:00 | 162000 | 115.4   | 20.411 | 263.031 | 4641.442 | 5087.338 | 2.767 | 3.459 | 215.45  | 1 | 14.711 |
| 10/6/2017 19:15 | 162900 | 115.412 | 20.403 | 263.059 | 4639.143 | 5085.637 | 2.766 | 3.458 | 215.557 | 1 | 14.705 |
| 10/6/2017 19:30 | 163800 | 115.419 | 20.412 | 263.075 | 4641.095 | 5086.827 | 2.766 | 3.459 | 215.466 | 1 | 14.714 |
| 10/6/2017 19:45 | 164700 | 115.424 | 20.4   | 263.088 | 4639.356 | 5086.206 | 2.766 | 3.459 | 215.547 | 1 | 14.708 |
| 10/6/2017 20:00 | 165600 | 115.435 | 20.395 | 263.113 | 4639.28  | 5086.643 | 2.766 | 3.459 | 215.551 | 1 | 14.716 |
| 10/6/2017 20:15 | 166500 | 115.436 | 20.395 | 263.115 | 4639.021 | 5086.062 | 2.766 | 3.459 | 215.563 | 1 | 14.719 |
| 10/6/2017 20:30 | 167400 | 115.437 | 20.423 | 263.117 | 4642.422 | 5087.193 | 2.767 | 3.459 | 215.405 | 1 | 14.713 |
| 10/6/2017 20:45 | 168300 | 115.452 | 20.405 | 263.152 | 4641.156 | 5087.667 | 2.767 | 3.46  | 215.464 | 1 | 14.713 |
| 10/6/2017 21:00 | 169200 | 115.465 | 20.418 | 263.179 | 4642.264 | 5087.541 | 2.767 | 3.46  | 215.412 | 1 | 14.713 |
| 10/6/2017 21:15 | 170100 | 115.47  | 20.4   | 263.192 | 4639.159 | 5086.064 | 2.766 | 3.459 | 215.556 | 1 | 14.713 |
| 10/6/2017 21:30 | 171000 | 115.48  | 20.41  | 263.214 | 4640.72  | 5086.621 | 2.766 | 3.459 | 215.484 | 1 | 14.716 |
| 10/6/2017 21:45 | 171900 | 115.477 | 20.423 | 263.207 | 4642.193 | 5086.804 | 2.767 | 3.459 | 215.415 | 1 | 14.719 |
| 10/6/2017 2     |        |         |        |         |          |          |       |       |         |   |        |

|                 |        |         |       |         |          |          |       |       |         |   |        |
|-----------------|--------|---------|-------|---------|----------|----------|-------|-------|---------|---|--------|
| 10/8/2017 5:15  | 285300 | 115.53  | 20414 | 263.329 | 4646.85  | 5092.912 | 2.77  | 3.463 | 215.2   | 1 | 14.624 |
| 10/8/2017 5:30  | 286200 | 115.535 | 20409 | 263.339 | 4645.495 | 5091.968 | 2.77  | 3.463 | 215.262 | 1 | 14.632 |
| 10/8/2017 5:45  | 287100 | 115.556 | 20407 | 263.387 | 4645.994 | 5092.783 | 2.77  | 3.463 | 215.239 | 1 | 14.627 |
| 10/8/2017 6:00  | 288000 | 115.549 | 20402 | 263.372 | 4646.472 | 5093.811 | 2.771 | 3.464 | 215.217 | 1 | 14.631 |
| 10/8/2017 6:15  | 288900 | 115.558 | 20411 | 263.392 | 4646.332 | 5092.707 | 2.77  | 3.463 | 215.224 | 1 | 14.637 |
| 10/8/2017 6:30  | 289800 | 115.574 | 20409 | 263.428 | 4646.207 | 5092.184 | 2.77  | 3.463 | 215.229 | 1 | 14.631 |
| 10/8/2017 6:45  | 290700 | 115.58  | 20410 | 263.464 | 4646.674 | 5093.184 | 2.77  | 3.463 | 215.236 | 1 | 14.636 |
| 10/8/2017 7:00  | 291600 | 115.581 | 20419 | 263.444 | 4647.386 | 5093.006 | 2.77  | 3.463 | 215.175 | 1 | 14.637 |
| 10/8/2017 7:15  | 292500 | 115.617 | 2041  | 263.526 | 4645.881 | 5092.343 | 2.77  | 3.463 | 215.244 | 1 | 14.633 |
| 10/8/2017 7:30  | 293400 | 115.627 | 20406 | 263.549 | 4647.032 | 5094.043 | 2.771 | 3.464 | 215.191 | 1 | 14.631 |
| 10/8/2017 7:45  | 294300 | 115.646 | 204   | 263.593 | 4646.417 | 5093.984 | 2.771 | 3.464 | 215.22  | 1 | 14.636 |
| 10/8/2017 8:00  | 295200 | 115.652 | 20419 | 263.606 | 4647.153 | 5092.788 | 2.77  | 3.463 | 215.186 | 1 | 14.634 |
| 10/8/2017 8:15  | 296100 | 115.646 | 20492 | 263.592 | 4645.752 | 5093.133 | 2.77  | 3.463 | 215.25  | 1 | 14.632 |
| 10/8/2017 8:30  | 297000 | 115.662 | 20396 | 263.629 | 4645.433 | 5093.333 | 2.77  | 3.463 | 215.265 | 1 | 14.639 |
| 10/8/2017 8:45  | 297900 | 115.665 | 20413 | 263.637 | 4648.276 | 5094.633 | 2.771 | 3.464 | 215.134 | 1 | 14.64  |
| 10/8/2017 9:00  | 298800 | 115.676 | 204   | 263.661 | 4645.57  | 5093.036 | 2.77  | 3.463 | 215.259 | 1 | 14.639 |
| 10/8/2017 9:15  | 299700 | 115.691 | 20429 | 263.696 | 4648.696 | 5093.388 | 2.77  | 3.464 | 215.114 | 1 | 14.64  |
| 10/8/2017 9:30  | 300600 | 115.705 | 20417 | 263.726 | 4648.054 | 5093.96  | 2.771 | 3.464 | 215.144 | 1 | 14.639 |
| 10/8/2017 9:45  | 301500 | 115.709 | 20419 | 263.735 | 4647.636 | 5093.279 | 2.77  | 3.463 | 215.163 | 1 | 14.646 |
| 10/8/2017 10:00 | 302400 | 115.706 | 20414 | 263.729 | 4647.269 | 5093.445 | 2.77  | 3.464 | 215.18  | 1 | 14.636 |
| 10/8/2017 10:15 | 303300 | 115.712 | 20403 | 263.742 | 4646.654 | 5093.88  | 2.771 | 3.464 | 215.209 | 1 | 14.637 |
| 10/8/2017 10:30 | 304200 | 115.735 | 20395 | 263.797 | 4645.944 | 5093.967 | 2.771 | 3.464 | 215.242 | 1 | 14.629 |
| 10/8/2017 10:45 | 305100 | 115.723 | 20401 | 263.767 | 4646.989 | 5094.509 | 2.771 | 3.464 | 215.193 | 1 | 14.631 |
| 10/8/2017 11:00 | 306000 | 115.719 | 20393 | 263.76  | 4646.015 | 5094.242 | 2.771 | 3.464 | 215.238 | 1 | 14.635 |
| 10/8/2017 11:15 | 306900 | 115.744 | 20406 | 263.826 | 4646.78  | 5093.683 | 2.771 | 3.464 | 215.203 | 1 | 14.627 |
| 10/8/2017 11:30 | 307800 | 115.744 | 20408 | 263.817 | 4647.5   | 5094.313 | 2.771 | 3.464 | 215.169 | 1 | 14.63  |
| 10/8/2017 11:45 | 308700 | 115.744 | 20399 | 263.817 | 4646.47  | 5094.135 | 2.771 | 3.464 | 215.217 | 1 | 14.63  |
| 10/8/2017 12:00 | 309600 | 115.762 | 20431 | 263.857 | 4650.587 | 5095.229 | 2.772 | 3.465 | 215.027 | 1 | 14.626 |
| 10/8/2017 12:15 | 310500 | 115.781 | 20393 | 263.9   | 4645.509 | 5093.698 | 2.771 | 3.464 | 215.262 | 1 | 14.625 |
| 10/8/2017 12:30 | 311400 | 115.778 | 20401 | 263.893 | 4647.201 | 5094.76  | 2.771 | 3.464 | 215.183 | 1 | 14.63  |
| 10/8/2017 12:45 | 312300 | 115.78  | 20415 | 263.984 | 4648.677 | 5094.867 | 2.771 | 3.465 | 215.115 | 1 | 14.628 |
| 10/8/2017 13:00 | 313200 | 115.792 | 20406 | 263.926 | 4648.213 | 5095.355 | 2.772 | 3.465 | 215.136 | 1 | 14.629 |
| 10/8/2017 13:15 | 314100 | 115.81  | 20408 | 263.966 | 4647.777 | 5094.571 | 2.771 | 3.464 | 215.157 | 1 | 14.623 |
| 10/8/2017 13:30 | 315000 | 115.812 | 20407 | 263.971 | 4648.62  | 5095.606 | 2.772 | 3.465 | 215.118 | 1 | 14.62  |
| 10/8/2017 13:45 | 315900 | 115.838 | 20417 | 264.031 | 4648.25  | 5094.175 | 2.771 | 3.464 | 215.135 | 1 | 14.613 |
| 10/8/2017 14:00 | 316800 | 115.835 | 20397 | 264.023 | 4646.503 | 5094.423 | 2.771 | 3.464 | 215.216 | 1 | 14.623 |
| 10/8/2017 14:15 | 317700 | 115.839 | 20402 | 264.023 | 4649.424 | 5096.19  | 2.772 | 3.465 | 215.108 | 1 | 14.619 |
| 10/8/2017 14:30 | 318600 | 115.846 | 20421 | 264.049 | 4649.946 | 5095.578 | 2.772 | 3.465 | 215.056 | 1 | 14.617 |
| 10/8/2017 14:45 | 319500 | 115.846 | 20425 | 264.049 | 4650.198 | 5095.49  | 2.772 | 3.465 | 215.045 | 1 | 14.613 |
| 10/8/2017 15:00 | 320400 | 115.885 | 2041  | 264.137 | 4648.195 | 5094.814 | 2.771 | 3.464 | 215.137 | 1 | 14.607 |
| 10/8/2017 15:15 | 321300 | 115.872 | 20416 | 264.107 | 4648.723 | 5094.769 | 2.771 | 3.464 | 215.113 | 1 | 14.613 |
| 10/8/2017 15:30 | 322200 | 115.885 | 20411 | 264.137 | 4647.538 | 5094.047 | 2.771 | 3.464 | 215.168 | 1 | 14.613 |
| 10/8/2017 15:45 | 323100 | 115.8   | 20412 | 264.172 | 4648.755 | 5095.065 | 2.771 | 3.465 | 215.111 | 1 | 14.608 |
| 10/8/2017 16:00 | 324000 | 115.914 | 20416 | 264.204 | 4649.002 | 5095.304 | 2.772 | 3.465 | 215.091 | 1 | 14.608 |
| 10/8/2017 16:15 | 324900 | 115.917 | 2042  | 264.21  | 4649.021 | 5094.742 | 2.771 | 3.464 | 215.099 | 1 | 14.611 |
| 10/8/2017 16:30 | 325800 | 115.933 | 20405 | 264.246 | 4647.268 | 5094.367 | 2.771 | 3.464 | 215.18  | 1 | 14.607 |
| 10/8/2017 16:45 | 326700 | 115.935 | 20418 | 264.251 | 4648.484 | 5094.284 | 2.771 | 3.464 | 215.124 | 1 | 14.611 |
| 10/8/2017 17:00 | 327600 | 115.929 | 20405 | 264.237 | 4648.802 | 5096.011 | 2.772 | 3.465 | 215.109 | 1 | 14.611 |
| 10/8/2017 17:15 | 328500 | 115.947 | 20404 | 264.28  | 4647.015 | 5094.173 | 2.771 | 3.464 | 215.123 | 1 | 14.61  |
| 10/8/2017 17:30 | 329400 | 115.957 | 20398 | 264.302 | 4646.664 | 5094.45  | 2.771 | 3.464 | 215.208 | 1 | 14.606 |
| 10/8/2017 17:45 | 330300 | 115.969 | 20397 | 264.328 | 4646.906 | 5094.837 | 2.771 | 3.464 | 215.197 | 1 | 14.612 |
| 10/8/2017 18:00 | 331200 | 115.989 | 20393 | 264.375 | 4646.631 | 5094.928 | 2.771 | 3.465 | 215.21  | 1 | 14.602 |
| 10/8/2017 18:15 | 332100 | 115.984 | 20394 | 264.364 | 4646.302 | 5094.537 | 2.771 | 3.464 | 215.225 | 1 | 14.609 |
| 10/8/2017 18:30 | 333000 | 115.992 | 20416 | 264.381 | 4649.713 | 5095.845 | 2.772 | 3.465 | 215.067 | 1 | 14.599 |
| 10/8/2017 18:45 | 333900 | 116.003 | 20405 | 264.407 | 4647.606 | 5094.738 | 2.771 | 3.464 | 215.165 | 1 | 14.605 |
| 10/8/2017 19:00 | 334800 | 115.997 | 20395 | 264.394 | 4647.052 | 5095.22  | 2.771 | 3.465 | 215.19  | 1 | 14.619 |
| 10/8/2017 19:15 | 335700 | 116.007 | 20416 | 264.415 | 4648.948 | 5095.082 | 2.771 | 3.465 | 215.102 | 1 | 14.611 |
| 10/8/2017 19:30 | 336600 | 116.02  | 20401 | 264.446 | 4647.181 | 5094.672 | 2.771 | 3.464 | 215.184 | 1 | 14.614 |
| 10/8/2017 19:45 | 337500 | 116.025 | 20402 | 264.456 | 4647.99  | 5095.531 | 2.772 | 3.465 | 215.147 | 1 | 14.616 |
| 10/8/2017 20:00 | 338400 | 116.026 | 20408 | 264.459 | 4648.96  | 5095.858 | 2.772 | 3.465 | 215.102 | 1 | 14.616 |
| 10/8/2017 20:15 | 339300 | 116.046 | 20401 | 264.504 | 4648.137 | 5095.757 | 2.772 | 3.465 | 215.14  | 1 | 14.616 |
| 10/8/2017 20:30 | 340200 | 116.056 | 20408 | 264.527 | 4648.257 | 5095.516 | 2.772 | 3.465 | 215.134 | 1 | 14.611 |
| 10/8/2017 20:45 | 341100 | 116.074 | 20408 | 264.567 | 4649.379 | 5096.42  | 2.772 | 3.466 | 215.082 | 1 | 14.606 |
| 10/8/2017 21:00 | 342000 | 116.064 | 20392 | 264.545 | 4647.827 | 5096.378 | 2.772 | 3.466 | 215.154 | 1 | 14.611 |
| 10/8/2017 21:15 | 342900 | 116.072 | 20412 | 264.564 | 4648.642 | 5095.165 | 2.771 | 3.465 | 215.117 | 1 | 14.612 |
| 10/8/2017 21:30 | 343800 | 116.079 | 20402 | 264.579 | 4648.008 | 5095.457 | 2.772 | 3.465 | 215.146 | 1 | 14.614 |
| 10/8/2017 21:45 | 344700 | 116.071 | 20392 | 264.561 | 4648.025 | 5096.558 | 2.772 | 3.466 | 215.145 | 1 | 14.612 |
| 10/8/2017 22:00 | 345600 | 116.054 | 20419 | 264.534 | 4650.16  | 5096.073 | 2.772 | 3.465 | 215.046 | 1 | 14.615 |
| 10/8/2017 22:15 | 346500 | 116.054 | 20417 | 264.523 | 4650.623 | 5096.813 | 2.772 | 3.466 | 215.025 | 1 | 14.622 |
| 10/8/2017 22:30 | 347400 | 116.047 | 20396 | 264.507 | 4649.06  | 5097.292 | 2.773 | 3.466 | 215.097 | 1 | 14.621 |
| 10/8/2017 22:45 | 348300 | 116.05  | 20398 | 264.513 | 4648.37  | 5096.35  | 2.772 | 3.466 | 215.129 | 1 | 14.622 |
| 10/8/2017 23:00 | 349200 | 116.06  | 20411 | 264.537 | 4649.846 | 5096.531 | 2.772 | 3.466 | 215.061 | 1 | 14.626 |
| 10/8/2017 23:15 | 350100 | 116.067 | 20402 | 264.553 | 4647.902 | 5095.368 | 2.772 | 3.465 | 215.151 | 1 | 14.623 |
| 10/8/2017 23:30 | 351000 | 116.065 | 2041  | 264.549 | 4649.923 | 5096.549 | 2.772 | 3.466 | 215.057 | 1 | 14.627 |
| 10/8/2017 23:45 | 351900 | 116.059 | 20406 | 264.534 | 4648.673 | 5095.842 | 2.772 | 3.465 | 215.115 | 1 | 14.631 |
| 10/9/2017 0:00  | 352800 | 116.048 | 20416 | 264.509 | 4650.771 | 5097.004 | 2.773 | 3.466 | 215.018 | 1 | 14.624 |
| 10/9/2017 0:15  | 353700 | 116.061 | 2041  | 264.538 | 4649.401 | 5096.155 | 2.772 | 3.465 | 215.081 | 1 | 14.63  |
| 10/9/2017 0:30  | 354600 | 116.066 | 20418 | 264.55  | 4650.791 | 5096.868 | 2.772 | 3.466 | 215.017 | 1 | 14.629 |
| 10/9/2017 0:45  | 355500 | 116.061 | 20404 | 264.539 | 4649.392 | 5096.854 | 2.772 | 3.466 | 215.082 | 1 | 14.63  |
| 10/9/2017 1:00  | 356400 | 116.067 | 20405 | 264.553 | 4649.126 | 5096.126 | 2.772 | 3.465 | 215.066 | 1 | 14.632 |
| 10/9/2017 1:15  | 357300 | 116.057 | 20405 | 264.53  | 4649.091 | 5096.346 | 2.772 | 3.466 | 215.096 | 1 | 14.628 |
| 10/9/2017 1:30  | 358200 | 116.056 | 204   | 264.528 | 4648.862 | 5096.618 | 2.772 | 3.466 | 215.106 | 1 | 14.623 |
| 10/9/2017 1:45  | 359100 | 116.061 | 20392 | 264.539 | 4647.267 | 5095.735 | 2.772 | 3.465 | 215.18  | 1 | 14.628 |
| 10/9/2017 2:00  | 360000 | 116.068 | 20418 | 264.555 | 4650.681 | 5096.701 | 2.772 | 3.466 | 215.022 | 1 | 14.634 |
| 10/9/2017 2:15  | 360900 | 116.09  | 20402 | 264.604 | 4648.292 | 5095.787 | 2.772 | 3.465 | 215.133 | 1 | 14.628 |
| 10/9/2017 2:30  | 361800 | 116.089 | 20412 | 264.556 | 4651.323 | 5096.978 | 2.773 | 3.466 | 214.991 | 1 | 14.631 |
| 10/9/2017 2:45  | 362700 | 116.071 | 20407 | 264.562 | 4649.258 | 5096.38  |       |       |         |   |        |

|                  |        |         |        |         |          |          |       |       |         |   |        |
|------------------|--------|---------|--------|---------|----------|----------|-------|-------|---------|---|--------|
| 10/10/2017 10:00 | 475200 | 115.789 | 20.412 | 263.918 | 4651.45  | 5098.167 | 2.773 | 3.467 | 214.987 | 1 | 14.693 |
| 10/10/2017 10:15 | 476100 | 115.776 | 20.404 | 263.889 | 4650.608 | 5098.112 | 2.773 | 3.467 | 215.026 | 1 | 14.697 |
| 10/10/2017 10:30 | 477000 | 115.785 | 20.424 | 263.91  | 4653.106 | 5098.78  | 2.774 | 3.467 | 214.91  | 1 | 14.696 |
| 10/10/2017 10:45 | 477900 | 115.786 | 20.401 | 263.912 | 4651.577 | 5099.54  | 2.774 | 3.468 | 214.981 | 1 | 14.7   |
| 10/10/2017 11:00 | 478800 | 115.798 | 20.412 | 263.94  | 4651.913 | 5098.712 | 2.773 | 3.467 | 214.965 | 1 | 14.694 |
| 10/10/2017 11:15 | 479700 | 115.793 | 20.401 | 263.928 | 4651.109 | 5098.559 | 2.774 | 3.467 | 215.002 | 1 | 14.699 |
| 10/10/2017 11:30 | 480600 | 115.806 | 20.408 | 263.958 | 4651.377 | 5098.573 | 2.773 | 3.467 | 214.99  | 1 | 14.698 |
| 10/10/2017 11:45 | 481500 | 115.805 | 20.401 | 263.955 | 4650.978 | 5098.871 | 2.774 | 3.467 | 215.009 | 1 | 14.699 |
| 10/10/2017 12:00 | 482400 | 115.81  | 20.412 | 263.966 | 4652.093 | 5098.966 | 2.774 | 3.467 | 214.957 | 1 | 14.698 |
| 10/10/2017 12:15 | 483300 | 115.803 | 20.415 | 263.95  | 4652.513 | 5099.063 | 2.774 | 3.467 | 214.938 | 1 | 14.697 |
| 10/10/2017 12:30 | 484200 | 115.795 | 20.397 | 263.933 | 4651.117 | 5099.417 | 2.774 | 3.468 | 215.002 | 1 | 14.7   |
| 10/10/2017 12:45 | 485100 | 115.808 | 20.402 | 263.961 | 4650.54  | 5098.28  | 2.773 | 3.467 | 215.029 | 1 | 14.692 |
| 10/10/2017 13:00 | 486000 | 115.815 | 20.405 | 263.978 | 4651.298 | 5098.75  | 2.774 | 3.467 | 214.994 | 1 | 14.694 |
| 10/10/2017 13:15 | 486900 | 115.802 | 20.408 | 263.948 | 4651.699 | 5098.917 | 2.774 | 3.467 | 214.975 | 1 | 14.697 |
| 10/10/2017 13:30 | 487800 | 115.802 | 20.403 | 263.949 | 4651.142 | 5098.855 | 2.774 | 3.467 | 215.001 | 1 | 14.69  |
| 10/10/2017 13:45 | 488700 | 115.819 | 20.419 | 263.986 | 4652.333 | 5098.473 | 2.773 | 3.467 | 214.946 | 1 | 14.686 |
| 10/10/2017 14:00 | 489600 | 115.815 | 20.414 | 263.979 | 4652.428 | 5099.062 | 2.774 | 3.467 | 214.942 | 1 | 14.692 |
| 10/10/2017 14:15 | 490500 | 115.804 | 20.427 | 263.953 | 4653.318 | 5098.704 | 2.774 | 3.467 | 214.9   | 1 | 14.688 |
| 10/10/2017 14:30 | 491400 | 115.801 | 20.409 | 263.947 | 4650.703 | 5097.759 | 2.773 | 3.466 | 215.021 | 1 | 14.685 |
| 10/10/2017 14:45 | 492300 | 115.799 | 20.41  | 263.942 | 4651.616 | 5098.582 | 2.773 | 3.467 | 214.979 | 1 | 14.686 |
| 10/10/2017 15:00 | 493200 | 115.808 | 20.386 | 263.963 | 4648.436 | 5097.717 | 2.773 | 3.466 | 215.126 | 1 | 14.687 |
| 10/10/2017 15:15 | 494100 | 115.804 | 20.387 | 263.954 | 4650.055 | 5099.334 | 2.774 | 3.468 | 215.051 | 1 | 14.682 |
| 10/10/2017 15:30 | 495000 | 115.807 | 20.403 | 263.96  | 4651.115 | 5098.816 | 2.774 | 3.467 | 215.002 | 1 | 14.685 |
| 10/10/2017 15:45 | 495900 | 115.799 | 20.41  | 263.943 | 4650.902 | 5097.856 | 2.773 | 3.467 | 215.012 | 1 | 14.691 |
| 10/10/2017 16:00 | 496800 | 115.793 | 20.405 | 263.929 | 4651.32  | 5098.837 | 2.774 | 3.467 | 214.993 | 1 | 14.683 |
| 10/10/2017 16:15 | 497700 | 115.77  | 20.408 | 263.875 | 4651.061 | 5098.226 | 2.773 | 3.467 | 215.005 | 1 | 14.687 |
| 10/10/2017 16:30 | 498600 | 115.782 | 20.413 | 263.902 | 4651.428 | 5098.115 | 2.773 | 3.467 | 214.988 | 1 | 14.69  |
| 10/10/2017 16:45 | 499500 | 115.773 | 20.407 | 263.883 | 4650.94  | 5098.188 | 2.773 | 3.467 | 215.01  | 1 | 14.69  |
| 10/10/2017 17:00 | 500400 | 115.761 | 20.402 | 263.856 | 4649.744 | 5097.36  | 2.773 | 3.466 | 215.066 | 1 | 14.69  |
| 10/10/2017 17:15 | 501300 | 115.78  | 20.4   | 263.898 | 4650.842 | 5098.872 | 2.774 | 3.467 | 215.015 | 1 | 14.689 |
| 10/10/2017 17:30 | 502200 | 115.786 | 20.397 | 263.961 | 4649.422 | 5097.539 | 2.773 | 3.466 | 215.081 | 1 | 14.683 |
| 10/10/2017 17:45 | 503100 | 115.787 | 20.399 | 263.914 | 4650.054 | 5098.092 | 2.773 | 3.467 | 215.051 | 1 | 14.685 |
| 10/10/2017 18:00 | 504000 | 115.792 | 20.419 | 263.927 | 4652.148 | 5098.224 | 2.773 | 3.467 | 214.954 | 1 | 14.689 |
| 10/10/2017 18:15 | 504900 | 115.794 | 20.412 | 263.929 | 4651.897 | 5098.685 | 2.773 | 3.467 | 214.966 | 1 | 14.687 |
| 10/10/2017 18:30 | 505800 | 115.799 | 20.4   | 263.942 | 4650.76  | 5098.699 | 2.773 | 3.467 | 215.019 | 1 | 14.689 |
| 10/10/2017 18:45 | 506700 | 115.81  | 20.398 | 263.966 | 4650.623 | 5098.838 | 2.774 | 3.467 | 215.025 | 1 | 14.687 |
| 10/10/2017 19:00 | 507600 | 115.821 | 20.413 | 263.992 | 4651.677 | 5098.388 | 2.773 | 3.467 | 214.976 | 1 | 14.686 |
| 10/10/2017 19:15 | 508500 | 115.812 | 20.398 | 263.971 | 4649.942 | 5098.016 | 2.773 | 3.467 | 215.056 | 1 | 14.693 |
| 10/10/2017 19:30 | 509400 | 115.833 | 20.406 | 264.02  | 4651.307 | 5098.701 | 2.773 | 3.467 | 214.993 | 1 | 14.692 |
| 10/10/2017 19:45 | 510300 | 115.832 | 20.398 | 264.017 | 4649.835 | 5097.926 | 2.773 | 3.467 | 215.061 | 1 | 14.696 |
| 10/10/2017 20:00 | 511200 | 115.837 | 20.395 | 264.029 | 4650.299 | 5098.789 | 2.774 | 3.467 | 215.04  | 1 | 14.691 |
| 10/10/2017 20:15 | 512100 | 115.848 | 20.395 | 264.053 | 4649.656 | 5098.095 | 2.773 | 3.467 | 215.07  | 1 | 14.689 |
| 10/10/2017 20:30 | 513000 | 115.861 | 20.4   | 264.06  | 4648.707 | 5097.608 | 2.773 | 3.466 | 215.067 | 1 | 14.701 |
| 10/10/2017 20:45 | 513900 | 115.858 | 20.393 | 264.075 | 4649.835 | 5098.458 | 2.773 | 3.467 | 215.061 | 1 | 14.693 |
| 10/10/2017 21:00 | 514800 | 115.868 | 20.402 | 264.099 | 4650.946 | 5098.753 | 2.774 | 3.467 | 215.01  | 1 | 14.691 |
| 10/10/2017 21:15 | 515700 | 115.865 | 20.396 | 264.092 | 4650.306 | 5098.695 | 2.773 | 3.467 | 215.04  | 1 | 14.694 |
| 10/10/2017 21:30 | 516600 | 115.877 | 20.405 | 264.119 | 4650.758 | 5098.193 | 2.773 | 3.467 | 215.019 | 1 | 14.696 |
| 10/10/2017 21:45 | 517500 | 115.869 | 20.397 | 264.1   | 4649.729 | 5097.959 | 2.773 | 3.467 | 215.066 | 1 | 14.695 |
| 10/10/2017 22:00 | 518400 | 115.888 | 20.398 | 264.145 | 4650.15  | 5098.263 | 2.773 | 3.467 | 215.047 | 1 | 14.696 |
| 10/10/2017 22:15 | 519300 | 115.888 | 20.414 | 264.144 | 4652.589 | 5099.192 | 2.774 | 3.467 | 214.934 | 1 | 14.696 |
| 10/10/2017 22:30 | 520200 | 115.886 | 20.417 | 264.14  | 4651.771 | 5098.063 | 2.773 | 3.467 | 214.972 | 1 | 14.699 |
| 10/10/2017 22:45 | 521100 | 115.875 | 20.414 | 264.115 | 4651.497 | 5098.004 | 2.773 | 3.467 | 214.985 | 1 | 14.701 |
| 10/10/2017 23:00 | 522000 | 115.844 | 20.397 | 264.045 | 4649.683 | 5097.862 | 2.773 | 3.467 | 215.068 | 1 | 14.703 |
| 10/10/2017 23:15 | 522900 | 115.825 | 20.398 | 264     | 4649.867 | 5097.943 | 2.773 | 3.467 | 215.06  | 1 | 14.706 |
| 10/10/2017 23:30 | 523800 | 115.786 | 20.403 | 263.912 | 4651.73  | 5099.511 | 2.774 | 3.468 | 214.974 | 1 | 14.706 |
| 10/10/2017 23:45 | 524700 | 115.783 | 20.416 | 263.905 | 4651.973 | 5098.313 | 2.773 | 3.467 | 214.963 | 1 | 14.702 |
| 10/11/2017 0:00  | 525600 | 115.768 | 20.408 | 263.871 | 4651.248 | 5098.459 | 2.773 | 3.467 | 214.996 | 1 | 14.703 |
| 10/11/2017 0:15  | 526500 | 115.749 | 20.402 | 263.828 | 4649.905 | 5097.545 | 2.773 | 3.466 | 215.058 | 1 | 14.704 |
| 10/11/2017 0:30  | 527400 | 115.726 | 20.4   | 263.774 | 4650.84  | 5098.842 | 2.774 | 3.467 | 215.015 | 1 | 14.705 |
| 10/11/2017 0:45  | 528300 | 115.725 | 20.402 | 263.773 | 4650.379 | 5098.074 | 2.773 | 3.467 | 215.036 | 1 | 14.702 |
| 10/11/2017 1:00  | 529200 | 115.712 | 20.403 | 263.743 | 4651.756 | 5099.51  | 2.774 | 3.468 | 214.973 | 1 | 14.702 |
| 10/11/2017 1:15  | 530100 | 115.705 | 20.413 | 263.729 | 4652.025 | 5098.742 | 2.774 | 3.467 | 214.96  | 1 | 14.705 |
| 10/11/2017 1:30  | 531000 | 115.698 | 20.418 | 263.712 | 4652.082 | 5098.283 | 2.773 | 3.467 | 214.958 | 1 | 14.706 |
| 10/11/2017 1:45  | 531900 | 115.693 | 20.42  | 263.701 | 4652.304 | 5098.32  | 2.773 | 3.467 | 214.947 | 1 | 14.699 |
| 10/11/2017 2:00  | 532800 | 115.693 | 20.404 | 263.701 | 4650.208 | 5097.674 | 2.773 | 3.466 | 215.044 | 1 | 14.702 |
| 10/11/2017 2:15  | 533700 | 115.677 | 20.41  | 263.664 | 4651.172 | 5098.133 | 2.773 | 3.467 | 215     | 1 | 14.697 |
| 10/11/2017 2:30  | 534600 | 115.666 | 20.413 | 263.639 | 4653.111 | 5099.877 | 2.774 | 3.468 | 214.91  | 1 | 14.701 |
| 10/11/2017 2:45  | 535500 | 115.676 | 20.401 | 263.662 | 4650.188 | 5098.654 | 2.773 | 3.467 | 215.045 | 1 | 14.695 |
| 10/11/2017 3:00  | 536400 | 115.669 | 20.4   | 263.646 | 4650.612 | 5098.537 | 2.773 | 3.467 | 215.025 | 1 | 14.69  |
| 10/11/2017 3:15  | 537300 | 115.657 | 20.406 | 263.618 | 4651.657 | 5099.067 | 2.774 | 3.467 | 214.977 | 1 | 14.689 |
| 10/11/2017 3:30  | 538200 | 115.649 | 20.419 | 263.601 | 4653.311 | 5099.499 | 2.774 | 3.468 | 214.901 | 1 | 14.695 |
| 10/11/2017 3:45  | 539100 | 115.658 | 20.42  | 263.62  | 4651.792 | 5097.713 | 2.773 | 3.466 | 214.971 | 1 | 14.684 |
| 10/11/2017 4:00  | 540000 | 115.652 | 20.414 | 263.606 | 4652.676 | 5099.391 | 2.774 | 3.468 | 214.93  | 1 | 14.69  |
| 10/11/2017 4:15  | 540900 | 115.649 | 20.4   | 263.6   | 4653.131 | 5098.216 | 2.773 | 3.467 | 214.909 | 1 | 14.686 |
| 10/11/2017 4:30  | 541800 | 115.641 | 20.426 | 263.581 | 4652.407 | 5097.799 | 2.773 | 3.467 | 214.942 | 1 | 14.692 |
| 10/11/2017 4:45  | 542700 | 115.649 | 20.414 | 263.6   | 4652.348 | 5098.938 | 2.774 | 3.467 | 214.945 | 1 | 14.687 |
| 10/11/2017 5:00  | 543600 | 115.641 | 20.419 | 263.581 | 4652.566 | 5098.71  | 2.774 | 3.467 | 214.935 | 1 | 14.686 |
| 10/11/2017 5:15  | 544500 | 115.636 | 20.419 | 263.571 | 4652.014 | 5098.104 | 2.773 | 3.467 | 214.961 | 1 | 14.687 |
| 10/11/2017 5:30  | 545400 | 115.655 | 20.406 | 263.613 | 4650.907 | 5098.224 | 2.773 | 3.467 | 215.012 | 1 | 14.687 |
| 10/11/2017 5:45  | 546300 | 115.647 | 20.405 | 263.595 | 4653.46  | 5098.95  | 2.773 | 3.467 | 214.894 | 1 | 14.687 |
| 10/11/2017 6:00  | 547200 | 115.636 | 20.426 | 263.57  | 4653.232 | 5098.686 | 2.774 | 3.467 | 214.904 | 1 | 14.694 |
| 10/11/2017 6:15  | 548100 | 115.64  | 20.4   | 263.58  | 4651.61  | 5099.621 | 2.774 | 3.468 | 214.979 | 1 | 14.692 |
| 10/11/2017 6:30  | 549000 | 115.646 | 20.408 | 263.594 | 4650.395 | 5097.534 | 2.773 | 3.466 | 215.035 | 1 | 14.695 |
| 10/11/2017 6:45  | 549900 | 115.635 | 20.403 | 263.569 | 4651.063 | 5098.695 | 2.773 | 3.467 | 215.005 | 1 | 14.695 |
| 10/11/2017 7:00  | 550800 | 115.638 | 20.42  | 263.574 | 4652.576 | 5098.609 | 2.773 | 3.467 | 214.935 | 1 | 14.695 |
| 10/11/2017 7:15  | 551700 | 115.646 | 20.407 | 263.54  |          |          |       |       |         |   |        |

Report Date: 10/13/2017 8:36  
Report User Name: WMassoll  
Report Computer Name: WKST52  
Application: WinSitu.exe  
Application Version: 5.6.27.1

Log File Properties  
File Name MPWSP MW-6M LT Test\_2017-10-12\_11-17-32-155-BaroMerge.wsl  
Create Date 10/13/2017 8:31

Device Properties  
Device Aqua TROLL 200  
Site MPWSP MW-6M  
Device Name  
Serial Number 440621  
Firmware Version 2.01  
Hardware Version 4  
Device Address 1  
Device Comm Cfg 19200 8 Even 1 (Modbus-RTU)  
Used Memory 0  
Used Battery 0

Log Configuration  
Log Name MPWSP MW-6M LT Test  
Created By CShaw  
Computer Name PROBOOK3  
Application WinSitu.exe  
Application Version 5.6.25.0  
Create Date 2/17/2016 5:06:04 PM Pacific Standard Time  
Log Setup Time Zone Pacific Standard Time  
Notes Size(bytes) 4096  
Overwrite when full Disabled  
Scheduled Start Time 2/17/2016 5:30:00 PM Pacific Standard Time  
Scheduled Stop Time No Stop Time  
Type Linear  
Interval Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation  
Level Measurement Mode  
Specific Gravity 0.999  
Depth

Other Log Settings  
Depth of Probe: 33.5174 (ft)  
Head Pressure: 14.5162 (PSI)  
Temperature: 19.5412 (C)  
Specific Conductivity Model: Standard Methods  
Reference Temperature: 25  
Temperature Coefficient: 0.0191  
TDS Factor: 0.68

Log Notes:  
Date and Time Note  
2/17/2016 17:06 Used Battery: 0% Used Memory: 1% User Name: CShaw  
2/17/2016 17:50 Log Download - Used Battery: 0% Used Memory: 1% User Name: CShaw Interval - Start Time: 2/17/2016 5:30:00 PM Stop Time: 2/17/2016 5:45:00 PM  
2/17/2016 17:53 Log Download - Used Battery: 0% Used Memory: 1% User Name: CShaw Interval - Start Time: 2/17/2016 5:30:00 PM Stop Time: 2/17/2016 6:45:00 PM  
2/18/2016 10:20 Log Download - Used Battery: 0% Used Memory: 1% User Name: CShaw Interval - Start Time: 2/17/2016 5:30:00 PM Stop Time: 2/18/2016 11:00:00 AM  
2/25/2016 9:31 Log Download - Used Battery: 1% Used Memory: 1% User Name: KMakar  
3/3/2016 11:05 Log Download - Used Battery: 1% Used Memory: 3% User Name: SKuiper Interval - Start Time: 1/31/2016 10:30:00 PM Stop Time: 3/3/2016 11:30:00 AM  
3/10/2016 14:06 Log Download - Used Battery: 1% Used Memory: 3% User Name: KMakar Interval - Start Time: 3/1/2016 12:00:00 PM Stop Time: 3/10/2016 2:15:00 PM  
3/17/2016 15:14 Log Download - Used Battery: 2% Used Memory: 4% User Name: SKuiper Interval - Start Time: 3/8/2016 12:00:01 AM Stop Time: 3/17/2016 4:00:00 PM  
3/24/2016 8:15 Log Download - Used Battery: 2% Used Memory: 4% User Name: KMakar Interval - Start Time: 3/15/2016 12:00:00 PM Stop Time: 3/24/2016 8:30:00 AM  
3/31/2016 14:13 Log Download - Used Battery: 2% Used Memory: 6% User Name: SKuiper Interval - Start Time: 3/22/2016 12:00:00 PM Stop Time: 3/31/2016 3:00:00 PM  
4/7/2016 8:45 Log Download - Used Battery: 3% Used Memory: 6% User Name: KMakar Interval - Start Time: 2/29/2016 5:00:00 PM Stop Time: 4/7/2016 1:30:00 PM  
4/14/2016 8:24 Log Download - Used Battery: 3% Used Memory: 7% User Name: SKuiper Interval - Start Time: 4/5/2016 12:00:00 PM Stop Time: 4/14/2016 9:00:00 AM  
4/21/2016 8:37 Log Download - Used Battery: 4% Used Memory: 7% User Name: ELinden Interval - Start Time: 4/12/2016 1:30:00 PM Stop Time: 4/21/2016 8:30:00 AM  
4/28/2016 9:52 Log Download - Used Battery: 4% Used Memory: 9% User Name: KMakar Interval - Start Time: 4/19/2016 5:00:00 PM Stop Time: 4/28/2016 10:30:00 AM  
5/5/2016 7:43 Log Download - Used Battery: 4% Used Memory: 9% User Name: SKuiper Interval - Start Time: 3/31/2016 12:00:00 PM Stop Time: 5/5/2016 8:05:00 AM  
5/12/2016 8:17 Log Download - Used Battery: 5% Used Memory: 10% User Name: SKuiper Interval - Start Time: 5/3/2016 12:00:00 PM Stop Time: 5/12/2016 2:30:00 PM  
5/12/2016 8:20 Log Download - Used Battery: 5% Used Memory: 10% User Name: SKuiper Interval - Start Time: 5/3/2016 12:00:00 PM Stop Time: 5/12/2016 8:15:00 AM  
5/19/2016 11:18 Log Download - Used Battery: 5% Used Memory: 12% User Name: ELinden Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 1:00:00 PM  
5/19/2016 11:22 Log Download - Used Battery: 5% Used Memory: 12% User Name: ELinden Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 11:45:00 AM  
5/26/2016 8:04 Log Download - Used Battery: 5% Used Memory: 12% User Name: SKuiper Interval - Start Time: 5/17/2016 6:00:00 PM Stop Time: 5/26/2016 4:45:00 PM  
6/2/2016 9:56 Log Download - Used Battery: 5% Used Memory: 14% User Name: SKuiper Interval - Start Time: 4/30/2016 10:00:00 PM Stop Time: 6/2/2016 4:15:00 PM  
6/9/2016 8:06 Log Download - Used Battery: 6% Used Memory: 14% User Name: CShaw Interval - Start Time: 5/31/2016 5:00:00 AM Stop Time: 6/9/2016 5:30:00 PM  
6/16/2016 9:25 Log Download - Used Battery: 6% Used Memory: 15% User Name: SKuiper Interval - Start Time: 6/7/2016 11:30:00 PM Stop Time: 6/16/2016 10:15:00 AM  
6/16/2016 9:30 Log Download - Used Battery: 6% Used Memory: 15% User Name: SKuiper Interval - Start Time: 6/7/2016 11:30:00 PM Stop Time: 6/16/2016 9:15:00 AM  
6/16/2016 9:32 Log Download - Used Battery: 6% Used Memory: 15% User Name: SKuiper Interval - Start Time: 6/7/2016 10:30:00 PM Stop Time: 6/16/2016 10:15:00 AM  
6/23/2016 8:39 Log Download - Used Battery: 7% Used Memory: 15% User Name: SKuiper Interval - Start Time: 6/15/2016 10:00:00 PM Stop Time: 6/23/2016 7:15:00 PM  
7/1/2016 10:10 Log Download - Used Battery: 7% Used Memory: 17% User Name: SKuiper Interval - Start Time: 5/31/2016 10:00:00 PM Stop Time: 7/1/2016 10:15:00 AM  
7/8/2016 10:40 Log Download - Used Battery: 8% Used Memory: 17% User Name: SKuiper Interval - Start Time: 6/29/2016 10:00:00 PM Stop Time: 7/8/2016 11:00:00 AM  
7/14/2016 16:49 Log Download - Used Battery: 8% Used Memory: 18% User Name: ELinden Interval - Start Time: 7/5/2016 12:00:00 PM Stop Time: 7/14/2016 5:45:00 PM  
7/21/2016 16:10 Log Download - Used Battery: 8% Used Memory: 18% User Name: SKuiper Interval - Start Time: 7/13/2016 10:00:00 PM Stop Time: 7/21/2016 4:45:00 PM  
7/28/2016 16:57 Log Download - Used Battery: 9% Used Memory: 20% User Name: SKuiper Interval - Start Time: 7/20/2016 10:00:00 PM Stop Time: 7/28/2016 5:30:00 PM  
8/4/2016 14:05 Log Download - Used Battery: 9% Used Memory: 20% User Name: SKuiper Interval - Start Time: 6/30/2016 10:00:00 PM Stop Time: 8/4/2016 2:00:00 PM  
8/11/2016 9:44 Log Download - Used Battery: 9% Used Memory: 21% User Name: ELinden Interval - Start Time: 8/3/2016 12:00:00 PM Stop Time: 8/11/2016 5:00:00 PM  
8/18/2016 14:05 Log Download - Used Battery: 10% Used Memory: 21% User Name: SKuiper Interval - Start Time: 8/10/2016 10:00:00 PM Stop Time: 8/18/2016 3:50:00 PM  
8/25/2016 11:10 Log Download - Used Battery: 10% Used Memory: 23% User Name: ELinden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 12:15:00 PM  
9/1/2016 8:18 Log Download - Used Battery: 10% Used Memory: 23% User Name: skuiper Interval - Start Time: 7/31/2016 10:00:00 PM Stop Time: 9/1/2016 6:15:00 PM  
9/8/2016 16:12 Log Download - Used Battery: 11% Used Memory: 25% User Name: SKuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/8/2016 4:45:00 PM  
9/15/2016 12:00 Log Download - Used Battery: 11% Used Memory: 25% User Name: ANorris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 12:45:00 PM  
9/22/2016 10:14 Log Download - Used Battery: 12% Used Memory: 26% User Name: ANorris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 10:00:00 PM  
10/1/2016 8:44 Log Download - Used Battery: 12% Used Memory: 28% User Name: ANorris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/1/2016 9:45:00 AM  
10/7/2016 15:34 Log Download - Used Battery: 12% Used Memory: 28% User Name: SKuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/7/2016 3:45:00 PM  
10/13/2016 15:11 Log Download - Used Battery: 13% Used Memory: 29% User Name: SKuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 3:15:00 PM  
10/20/2016 14:24 Log Download - Used Battery: 13% Used Memory: 29% User Name: SKuiper Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 3:15:00 PM  
10/27/2016 14:36 Log Download - Used Battery: 13% Used Memory: 31% User Name: SKuiper Interval - Start Time: 10/19/2016 10:00:00 PM Stop Time: 10/27/2016 2:45:00 PM  
11/3/2016 14:09 Log Download - Used Battery: 14% Used Memory: 31% User Name: SKuiper Interval - Start Time: 9/30/2016 10:00:00 PM Stop Time: 11/3/2016 3:00:00 PM  
11/10/2016 15:30 Log Download - Used Battery: 14% Used Memory: 32% User Name: SKuiper Interval - Start Time: 11/2/2016 10:00:00 PM Stop Time: 11/10/2016 4:00:00 PM  
11/17/2016 13:31 Log Download - Used Battery: 15% Used Memory: 32% User Name: SKuiper Interval - Start Time: 11/9/2016 10:00:00 PM Stop Time: 11/17/2016 4:30:00 PM  
11/24/2016 10:39 Log Download - Used Battery: 15% Used Memory: 34% User Name: SKuiper Interval - Start Time: 11/15/2016 10:00:00 PM Stop Time: 11/24/2016 5:15:00 PM  
11/24/2016 10:41 Log Download - Used Battery: 15% Used Memory: 34% User Name: SKuiper Interval - Start Time: 11/15/2016 10:00:00 PM Stop Time: 11/24/2016 10:30:00 AM  
11/24/2016 10:42 Log Download - Used Battery: 15% Used Memory: 34% User Name: SKuiper Interval - Start Time: 11/15/2016 10:00:00 PM Stop Time: 11/24/2016 10:30:00 AM  
12/1/2016 15:33 Log Download - Used Battery: 15% Used Memory: 34% User Name: SKuiper Interval - Start Time: 10/31/2016 10:00:00 PM Stop Time: 12/1/2016 3:45:00 PM  
12/8/2016 15:10 Log Download - Used Battery: 16% Used Memory: 35% User Name: SKuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 12/8/2016 4:30:00 PM  
12/15/2016 14:27 Log Download - Used Battery: 16% Used Memory: 35% User Name: SKuiper Interval - Start Time: 12/7/2016 10:00:00 PM Stop Time: 12/15/2016 3:45:00 PM  
12/21/2016 16:48 Log Download - Used Battery: 16% Used Memory: 37% User Name: ANorris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 10/2/2016 5:00:00 PM  
12/21/2016 16:54 Log Download - Used Battery: 16% Used Memory: 37% User Name: ANorris Interval - Start Time: 12/14/2016 10:00:00 PM Stop Time: 12/21/2016 5:00:00 PM  
12/22/2016 9:26 Log Download - Used Battery: 16% Used Memory: 37% User Name: ANorris Interval - Start Time: 12/14/2016 10:00:00 PM Stop Time: 12/22/2016 5:00:00 PM  
1/5/2017 9:07 Log Download - Used Battery: 17% Used Memory: 39% User Name: SKuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 1/5/2017 4:30:00 PM  
1/12/2017 14:53 Log Download - Used Battery: 17% Used Memory: 39% User Name: SKuiper Interval - Start Time: 1/4/2017 10:00:00 PM Stop Time: 1/12/2017 3:00:00 PM  
1/19/2017 11:57 Log Download - Used Battery: 18% Used Memory: 40% User Name: EHernandez Interval - Start Time: 1/11/2017 10:00:00 PM Stop Time: 1/19/2017 12:15:00 PM  
1/26/2017 7:52 Log Download - Used Battery: 18% Used Memory: 40% User Name: SKuiper Interval - Start Time: 1/18/2017 10:00:00 PM Stop Time: 1/26/2017 5:30:00 PM  
1/26/2017 7:54 Log Download - Used Battery: 18% Used Memory: 40% User Name: SKuiper Interval - Start Time: 1/18/2017 10:00:00 PM Stop Time: 1/26/2017 7:45:00 AM  
2/2/2017 13:26 Log Download - Used Battery: 19% Used Memory: 42% User Name: WMassoll Interval - Start Time: 12/31/2016 10:00:00 PM Stop Time: 2/2/2017 1:55:00 PM  
2/9/2017 14:15 Log Download - Used Battery: 19% Used Memory: 42% User Name: EHernandez Interval - Start Time: 2/1/2017 12:00:00 AM Stop Time: 2/9/2017 3:00:00 PM  
2/16/2017 9:55 Log Download - Used Battery: 19% Used Memory: 43% User Name: WMassoll Interval - Start Time: 2/8/2017 10:00:00 PM Stop Time: 2/16/2017 10:15:00 AM  
10/13/2017 8:31 User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll\_2017-10-12\_17-14-36-S85.wsl""

Log Data:  
Record Count 726

Sensors  
2  
1 440621 PCTD 100 PSIA (60.1m/197.3ft)  
2 0 Baro-Adjustment Calc

Time Zone: Pacific Daylight Time

|                         |       | Sensor: PCTD(A) 197.3ft<br>SNR: 440621 |        | Sensor: PCTD(A) 197.3ft<br>SNR: 440621 |        | Sensor: PCTD(A) 197.3ft<br>SNR: 440621 |         | Sensor: PCTD(A) 197.3ft<br>SNR: 440621 |          | Sensor: PCTD(A) 197.3ft<br>SNR: 440621 |          | Sensor: PCTD(A) 197.3ft<br>SNR: 440621 |       | Sensor: PCTD(A) 197.3ft<br>SNR: 440621 |       | Sensor: PCTD(A) 197.3ft<br>SNR: 440621 |         | Sensor: PCTD(A) 197.3ft<br>SNR: 440621 |       | Sensor: Baro-Adj Calc<br>SNR: 000000 |        |
|-------------------------|-------|----------------------------------------|--------|----------------------------------------|--------|----------------------------------------|---------|----------------------------------------|----------|----------------------------------------|----------|----------------------------------------|-------|----------------------------------------|-------|----------------------------------------|---------|----------------------------------------|-------|--------------------------------------|--------|
| Elapsed Time<br>Seconds |       | Corrected<br>Pressure (PSI)            |        | Temperature (C)                        |        | Depth (ft)                             |         | Actual Conductivity (µS/cm)            |          | Specific Conductivity (µS/cm)          |          | Salinity (PSU)                         |       | Total Dissolved Solids (ppt)           |       | Resistivity (ohm-cm)                   |         | Water Density (g/cm3)                  |       | Barometric Pressure (PSI)            |        |
| Date and Time           |       |                                        |        |                                        |        |                                        |         |                                        |          |                                        |          |                                        |       |                                        |       |                                        |         |                                        |       |                                      |        |
| 10/5/2017 0:00          | 7200  |                                        | 57.227 |                                        | 16.921 |                                        | 132.136 |                                        | 1212.888 |                                        | 1434.008 |                                        | 0.726 |                                        | 0.975 |                                        | 824.478 |                                        | 0.999 |                                      | 14.751 |
| 10/5/2017 0:15          | 8100  |                                        | 57.229 |                                        | 16.924 |                                        | 132.141 |                                        | 1213.074 |                                        | 1434.32  |                                        | 0.726 |                                        | 0.975 |                                        | 824.352 |                                        | 0.999 |                                      | 14.749 |
| 10/5/2017 0:30          | 9000  |                                        | 57.232 |                                        | 16.923 |                                        | 132.147 |                                        | 1212.941 |                                        | 1434.185 |                                        | 0.726 |                                        | 0.975 |                                        | 824.443 |                                        | 0.999 |                                      | 14.752 |
| 10/5/2017 0:45          | 9900  |                                        | 57.248 |                                        | 16.923 |                                        | 132.185 |                                        | 1212.835 |                                        | 1434.078 |                                        | 0.726 |                                        | 0.975 |                                        | 824.514 |                                        | 0.999 |                                      | 14.745 |
| 10/5/2017 1:00          | 10800 |                                        | 57.261 |                                        | 16.918 |                                        | 132.214 |                                        | 1212.711 |                                        | 1434.084 |                                        | 0.726 |                                        | 0.975 |                                        | 824.599 |                                        | 0.999 |                                      | 14.737 |
| 10/5/2017 1:15          | 11700 |                                        | 57.261 |                                        | 16.923 |                                        | 132.214 |                                        | 1212.686 |                                        | 1433.904 |                                        | 0.726 |                                        | 0.975 |                                        | 824.616 |                                        | 0.999 |                                      | 14.744 |
| 10/5/2017 1:30          | 12600 |                                        | 57.269 |                                        | 16.922 |                                        | 132.233 |                                        | 1212.868 |                                        | 1434.15  |                                        | 0.726 |                                        | 0.975 |                                        | 824.492 |                                        | 0.999 |                                      | 14.743 |
| 10/5/2017 1:45          | 13500 |                                        | 57.275 |                                        | 16.92  |                                        | 132.247 |                                        | 1212.688 |                                        | 1433.997 |                                        | 0.726 |                                        | 0.975 |                                        | 824.614 |                                        | 0.999 |                                      | 14.745 |
| 10/5/2017 2:00          | 14400 |                                        | 57.284 |                                        | 16.921 |                                        | 132.268 |                                        | 1212.672 |                                        | 1433.939 |                                        | 0.726 |                                        | 0.975 |                                        | 824.625 |                                        | 0.999 |                                      | 14.742 |
| 10/5/2017 2:15          | 15300 |                                        | 57.29  |                                        | 16.921 |                                        | 132.28  |                                        | 1212.541 |                                        | 1433.774 |                                        | 0.726 |                                        | 0.975 |                                        | 824.715 |                                        | 0.999 |                                      | 14.745 |
| 10/5/2017 2:30          | 16200 |                                        | 57.296 |                                        | 16.922 |                                        | 132.294 |                                        | 1212.451 |                                        | 1433.648 |                                        | 0.726 |                                        | 0.975 |                                        | 824.776 |                                        | 0.999 |                                      | 14.746 |
| 10/5/2017 2:45          | 17100 |                                        | 57.304 |                                        | 16.915 |                                        | 132.314 |                                        | 1212.417 |                                        | 1433.824 |                                        | 0.726 |                                        | 0.975 |                                        | 824.799 |                                        | 0.999 |                                      | 14.744 |
| 10/5/2017 3:00          | 18000 |                                        | 57.315 |                                        | 16.917 |                                        | 132.339 |                                        | 1212.43  |                                        | 1433.791 |                                        | 0.726 |                                        | 0.975 |                                        | 824.79  |                                        | 0.999 |                                      | 14.739 |
| 10/5/2017 3:15          | 18900 |                                        | 57.321 |                                        | 16.919 |                                        | 132.352 |                                        | 1212.229 |                                        | 1433.469 |                                        | 0.725 |                                        | 0.975 |                                        | 824.926 |                                        | 0.999 |                                      | 14.748 |
| 10/5/2017 3:30          | 19800 |                                        | 57.33  |                                        | 16.919 |                                        | 132.374 |                                        | 1212.217 |                                        | 1433.474 |                                        | 0.725 |                                        | 0.975 |                                        | 824.935 |                                        | 0.999 |                                      | 14.738 |
| 10/5/2017 3:45          | 20700 |                                        | 57.341 |                                        | 16.92  |                                        | 132.4   |                                        | 1212.368 |                                        | 1433.171 |                                        | 0.725 |                                        | 0.975 |                                        | 824.832 |                                        | 0.999 |                                      | 14.739 |
| 10/5/2017 4:00          | 21600 |                                        | 57.327 |                                        | 16.916 |                                        | 132.366 |                                        | 1211.793 |                                        | 1433.067 |                                        | 0.725 |                                        | 0.974 |                                        | 825.223 |                                        | 0.999 |                                      | 14.739 |
| 10/5/2017 4:15          | 22500 |                                        | 57.347 |                                        | 16.916 |                                        | 132.412 |                                        | 1211.832 |                                        | 1433.109 |                                        | 0.725 |                                        | 0.975 |                                        | 825.197 |                                        | 0.999 |                                      | 14.74  |
| 10/5/2017 4:30          | 23400 |                                        | 57.355 |                                        | 16.918 |                                        | 132.43  |                                        | 1211.849 |                                        | 1433.075 |                                        | 0.725 |                                        | 0.974 |                                        | 825.186 |                                        | 0.999 |                                      | 14.737 |
| 10/5/2017 4:45          | 24300 |                                        | 57.366 |                                        | 16.919 |                                        | 132.456 |                                        | 1211.557 |                                        | 1432.682 |                                        | 0.725 |                                        | 0.974 |                                        | 825.384 |                                        | 0.999 |                                      | 14.739 |
| 10/5/2017 5:00          | 25200 |                                        | 57.376 |                                        | 16.914 |                                        | 132.478 |                                        | 1211.659 |                                        | 1432.959 |                                        | 0.725 |                                        | 0.974 |                                        | 825.315 |                                        | 0.999 |                                      | 14.736 |
| 10/5/2017 5:15          | 26100 |                                        | 57.376 |                                        | 16.917 |                                        | 132.48  |                                        | 1212.081 |                                        | 1433.387 |                                        | 0.725 |                                        | 0.975 |                                        | 825.027 |                                        | 0.999 |                                      | 14.741 |
| 10/5/2017 5:30          | 27000 |                                        | 57.393 |                                        | 16.914 |                                        | 132.518 |                                        | 1211.817 |                                        | 1433.171 |                                        | 0.725 |                                        | 0.975 |                                        | 825.205 |                                        | 0.999 |                                      | 14.734 |
| 10/5/2017 5:45          | 27900 |                                        | 57.393 |                                        | 16.918 |                                        | 132.518 |                                        | 1211.85  |                                        | 1433.068 |                                        | 0.725 |                                        | 0.974 |                                        | 825.185 |                                        | 0.999 |                                      | 14.74  |
| 10/5/2017 6:00          | 28800 |                                        | 57.401 |                                        | 16.916 |                                        | 132.536 |                                        | 1211.718 |                                        | 1432.981 |                                        | 0.725 |                                        | 0.974 |                                        | 825.274 |                                        | 0.999 |                                      | 14.737 |
| 10/5/2017 6:15          | 29700 |                                        | 57.404 |                                        | 16.917 |                                        | 132.545 |                                        | 1211.592 |                                        | 1432.783 |                                        | 0.725 |                                        | 0.974 |                                        | 825.361 |                                        | 0.999 |                                      | 14.739 |
| 10/5/2017 6:30          | 30600 |                                        | 57.413 |                                        | 16.913 |                                        | 132.564 |                                        | 1211.665 |                                        | 1433.017 |                                        | 0.725 |                                        | 0.974 |                                        | 825.311 |                                        | 0.999 |                                      | 14.738 |
| 10/5/2017 6:45          | 31500 |                                        | 57.416 |                                        | 16.915 |                                        | 132.571 |                                        | 1211.412 |                                        | 1432.659 |                                        | 0.725 |                                        | 0.974 |                                        | 825.483 |                                        | 0.999 |                                      | 14.739 |
| 10/5/2017 7:00          | 32400 |                                        | 57.424 |                                        | 16.913 |                                        | 132.591 |                                        | 1211.727 |                                        | 1433.096 |                                        | 0.725 |                                        | 0.975 |                                        | 825.269 |                                        | 0.999 |                                      | 14.738 |
| 10/5/2017 7:15          | 33300 |                                        | 57.43  |                                        | 16.92  |                                        | 132.584 |                                        | 1211.108 |                                        | 1432.139 |                                        | 0.725 |                                        | 0.974 |                                        | 825.69  |                                        | 0.999 |                                      | 14.734 |
| 10/5/2017 7:30          | 34200 |                                        | 57.434 |                                        | 16.915 |                                        | 132.612 |                                        | 1211.179 |                                        | 1432.377 |                                        | 0.725 |                                        | 0.974 |                                        | 825.642 |                                        | 0.999 |                                      | 14.732 |
| 10/5/2017 7:45          | 35100 |                                        | 57.428 |                                        | 16.915 |                                        | 132.6   |                                        | 1210.525 |                                        | 1431.598 |                                        | 0.724 |                                        | 0.973 |                                        | 826.088 |                                        | 0.999 |                                      | 14.737 |
| 10/5/2017 8:00          | 36000 |                                        | 57.424 |                                        | 16.916 |                                        | 132.589 |                                        | 1211.499 |                                        | 1432.704 |                                        | 0.725 |                                        | 0.974 |                                        | 825.424 |                                        | 0.999 |                                      | 14.742 |
| 10/5/2017 8:15          | 36900 |                                        | 57.416 |                                        | 16.921 |                                        | 132.571 |                                        | 1211.391 |                                        | 1432.443 |                                        | 0.725 |                                        | 0.974 |                                        | 825.498 |                                        | 0.999 |                                      | 14.745 |
| 10/5/2017 8:30          | 37800 |                                        | 57.414 |                                        | 16.918 |                                        | 132.568 |                                        | 1210.736 |                                        | 1431.749 |                                        | 0.725 |                                        | 0.974 |                                        | 825.944 |                                        | 0.999 |                                      | 14.738 |
| 10/5/2017 8:45          | 38700 |                                        | 57.407 |                                        | 16.923 |                                        | 132.551 |                                        | 1211.194 |                                        | 1432.137 |                                        | 0.725 |                                        | 0.974 |                                        | 825.032 |                                        | 0.999 |                                      | 14.741 |
| 10/5/2017 9:00          | 39600 |                                        | 57.416 |                                        | 16.918 |                                        | 132.536 |                                        | 1210.164 |                                        | 1431.07  |                                        | 0.724 |                                        | 0.973 |                                        | 826.334 |                                        | 0.999 |                                      | 14.743 |
| 10/5/2017 9:15          | 40500 |                                        | 57.395 |                                        | 16.916 |                                        | 132.523 |                                        | 1209.177 |                                        | 1429.973 |                                        | 0.724 |                                        | 0.972 |                                        | 827.008 |                                        | 0.999 |                                      | 14.74  |
| 10/5/2017 9:30          | 41400 |                                        | 57.385 |                                        | 16.921 |                                        | 132.499 |                                        | 1210.238 |                                        | 1431.066 |                                        | 0.724 |                                        | 0.973 |                                        | 826.284 |                                        | 0.999 |                                      | 14.742 |
| 10/5/2017 9:45          | 42300 |                                        | 57.377 |                                        | 16.918 |                                        | 132.483 |                                        | 1209.622 |                                        | 1430.426 |                                        | 0.724 |                                        | 0.973 |                                        | 826.704 |                                        | 0.999 |                                      | 14.74  |
| 10/5/2017 10:00         | 43200 |                                        | 57.376 |                                        | 16.924 |                                        | 132.479 |                                        | 1210.1   |                                        | 1430.806 |                                        | 0.724 |                                        | 0.973 |                                        | 826.378 |                                        | 0.999 |                                      | 14.739 |
| 10/5/2017 10:15         | 44100 |                                        | 57.364 |                                        | 16.924 |                                        | 132.453 |                                        | 1210.368 |                                        | 1431.106 |                                        | 0.724 |                                        | 0.973 |                                        | 826.195 |                                        | 0.999 |                                      | 14.747 |
| 10/5/2017 10:30         | 45000 |                                        | 57.374 |                                        | 16.926 |                                        | 132.474 |                                        | 1209.956 |                                        | 1431.563 |                                        | 0.724 |                                        | 0.973 |                                        | 826.478 |                                        | 0.999 |                                      | 14.738 |
| 10/5/2017 10:45         | 45900 |                                        | 57.372 |                                        | 16.928 |                                        | 132.47  |                                        | 1210.77  |                                        | 1431.482 |                                        | 0.724 |                                        | 0.973 |                                        | 825.921 |                                        | 0.999 |                                      | 14.741 |
| 10/5/2017 11:00         | 46800 |                                        | 57.378 |                                        | 16.926 |                                        | 132.484 |                                        | 1210.976 |                                        | 1430.763 |                                        | 0.725 |                                        | 0.974 |                                        | 826.075 |                                        | 0.999 |                                      | 14.738 |
| 10/5/2017 11:15         | 47700 |                                        | 57.378 |                                        | 16.926 |                                        | 132.484 |                                        | 1211.282 |                                        | 1432.13  |                                        | 0.725 |                                        | 0.974 |                                        | 825.572 |                                        | 0.999 |                                      | 14.735 |
| 10/5/2017 11:30         | 48600 |                                        | 57.373 |                                        | 16.927 |                                        | 132.474 |                                        | 1210.776 |                                        | 1431.512 |                                        | 0.724 |                                        | 0.973 |                                        | 825.917 |                                        | 0.999 |                                      | 14.736 |
| 10/5/2017 11:45         | 49500 |                                        | 57.365 |                                        | 16.929 |                                        | 132.455 |                                        | 1211.63  |                                        | 1432.436 |                                        | 0.725 |                                        | 0.974 |                                        | 825.335 |                                        | 0.999 |                                      | 14.742 |
| 10/5/2017 12:00         | 50400 |                                        | 57.367 |                                        | 16.927 |                                        | 132.459 |                                        | 1211.013 |                                        | 1431.778 |                                        | 0.725 |                                        | 0.974 |                                        | 825.755 |                                        | 0.999 |                                      | 14.737 |
| 10/5/2017 12:15         | 51300 |                                        | 57.362 |                                        | 16.925 |                                        | 132.446 |                                        | 1210.523 |                                        | 1431.272 |                                        | 0.724 |                                        | 0.973 |                                        | 826.089 |                                        | 0.999 |                                      | 14.735 |
| 10/5/2017 12:30         | 52200 |                                        | 57.357 |                                        | 16.926 |                                        | 132.435 |                                        | 1210.309 |                                        | 1430.972 |                                        | 0.724 |                                        | 0.973 |                                        | 826.235 |                                        | 0.999 |                                      | 14.729 |
| 10/5/2017 12:45         | 53100 |                                        | 57.355 |                                        | 16.925 |                                        | 132.431 |                                        | 1210.028 |                                        | 1430.715 |                                        | 0.724 |                                        | 0.973 |                                        | 826.427 |                                        | 0.999 |                                      | 14.727 |
| 10/5/2017 13:00         | 54000 |                                        | 57.339 |                                        | 16.925 |                                        | 132.397 |                                        | 1209.71  |                                        | 1430.3   |                                        | 0.724 |                                        | 0.973 |                                        | 826.645 |                                        | 0.999 |                                      | 14.734 |
| 10/5/2017 13:15         | 54900 |                                        | 57.34  |                                        | 16.926 |                                        | 132.394 |                                        | 1210.028 |                                        | 1430.645 |                                        | 0.724 |                                        | 0.973 |                                        | 826.427 |                                        | 0.999 |                                      | 14.727 |
| 10/5/2017 13:30         | 55800 |                                        | 57.33  |                                        | 16.926 |                                        | 132.373 |                                        | 1210.001 |                                        | 1430.608 |                                        | 0.724 |                                        | 0.973 |                                        | 826.445 |                                        | 0.999 |                                      | 14.724 |
| 10/5/2017 13:45         | 56700 |                                        | 57.321 |                                        | 16.925 |                                        | 132.351 |                                        | 1209.667 |                                        | 1430.266 |                                        | 0.724 |                                        | 0.973 |                                        | 826.674 |                                        | 0.999 |                                      | 14.723 |
| 10/5/2017 14:00         | 57600 |                                        | 57.313 |                                        | 16.924 |                                        | 132.334 |                                        | 1209.592 |                                        | 1430.206 |                                        | 0.724 |                                        | 0.973 |                                        | 826.725 |                                        | 0.999 |                                      | 14.721 |
| 10/5/2017 14:15         | 58500 |                                        | 57.305 |                                        | 16.925 |                                        | 132.316 |                                        | 1209.863 |                                        | 1430.492 |                                        | 0.724 |                                        | 0.973 |                                        | 826.54  |                                        | 0.999 |                                      | 14.721 |
| 10/5/2017 14:30         | 59400 |                                        | 57.293 |                                        | 16.924 |                                        | 132.289 |                                        | 1210.127 |                                        | 1430.79  |                                        | 0.724 |                                        | 0.973 |                                        | 826.36  |                                        | 0.999 |                                      | 14.717 |
| 10/5/2017 14:45         | 60300 |                                        | 57.28  |                                        | 16.926 |                                        | 132.259 |                                        | 1210.072 |                                        | 1430.711 |                                        | 0.724 |                                        | 0.973 |                                        | 826.397 |                                        | 0.999 |                                      | 14.719 |
| 10/5/2017 15:00         | 61200 |                                        | 57.273 |                                        | 16.926 |                                        | 132.241 |                                        | 1210.286 |                                        | 1430.947 |                                        | 0.724 |                                        | 0.973 |                                        | 826.251 |                                        | 0.999 |                                      | 14.716 |
| 10/5/2017 15:15         | 62100 |                                        | 57.256 |                                        | 16.922 |                                        | 132.203 |                                        | 1210.128 |                                        | 1430.89  |                                        | 0.724 |                                        | 0.973 |                                        | 826.359 |                                        | 0.999 |                                      | 14.712 |
| 10/5/2017 15:30         | 63000 |                                        | 57.246 |                                        | 16.925 |                                        | 132.178 |                                        | 1210.129 |                                        | 1430.807 |                                        | 0.724 |                                        | 0.973 |                                        | 826.358 |                                        | 0.999 |                                      | 14.713 |
| 10/5/2017 15:45         | 63900 |                                        | 57.233 |                                        | 16.923 |                                        | 132.15  |                                        | 1209.95  |                                        |          |                                        |       |                                        |       |                                        |         |                                        |       |                                      |        |

|                 |        |        |        |         |          |          |       |       |         |       |        |
|-----------------|--------|--------|--------|---------|----------|----------|-------|-------|---------|-------|--------|
| 10/5/2017 17:30 | 70200  | 57.184 | 16.926 | 132.036 | 1209.451 | 1429.977 | 0.724 | 0.972 | 826.821 | 0.999 | 14.704 |
| 10/5/2017 17:45 | 71100  | 57.186 | 16.928 | 132.041 | 1210.057 | 1430.634 | 0.724 | 0.973 | 826.407 | 0.999 | 14.703 |
| 10/5/2017 18:00 | 72000  | 57.183 | 16.926 | 132.034 | 1210.036 | 1430.671 | 0.724 | 0.973 | 826.422 | 0.999 | 14.706 |
| 10/5/2017 18:15 | 72900  | 57.193 | 16.925 | 132.057 | 1210.049 | 1430.696 | 0.724 | 0.973 | 826.413 | 0.999 | 14.7   |
| 10/5/2017 18:30 | 73800  | 57.195 | 16.926 | 132.061 | 1210.243 | 1430.9   | 0.724 | 0.974 | 826.28  | 0.999 | 14.704 |
| 10/5/2017 18:45 | 74700  | 57.195 | 16.926 | 132.062 | 1210.554 | 1431.28  | 0.724 | 0.973 | 826.068 | 0.999 | 14.708 |
| 10/5/2017 19:00 | 75600  | 57.197 | 16.927 | 132.067 | 1211.185 | 1432.067 | 0.725 | 0.974 | 825.638 | 0.999 | 14.7   |
| 10/5/2017 19:15 | 76500  | 57.194 | 16.924 | 132.059 | 1211.271 | 1432.177 | 0.725 | 0.974 | 825.579 | 0.999 | 14.704 |
| 10/5/2017 19:30 | 77400  | 57.199 | 16.927 | 132.071 | 1211.164 | 1431.977 | 0.725 | 0.974 | 825.652 | 0.999 | 14.701 |
| 10/5/2017 19:45 | 78300  | 57.199 | 16.926 | 132.07  | 1211.659 | 1432.567 | 0.725 | 0.974 | 825.315 | 0.999 | 14.709 |
| 10/5/2017 20:00 | 79200  | 57.206 | 16.927 | 132.086 | 1211.748 | 1432.645 | 0.725 | 0.974 | 825.254 | 0.999 | 14.705 |
| 10/5/2017 20:15 | 80100  | 57.206 | 16.924 | 132.088 | 1211.86  | 1432.89  | 0.725 | 0.974 | 825.178 | 0.999 | 14.708 |
| 10/5/2017 20:30 | 81000  | 57.202 | 16.925 | 132.079 | 1211.364 | 1432.278 | 0.725 | 0.974 | 825.515 | 0.999 | 14.714 |
| 10/5/2017 20:45 | 81900  | 57.21  | 16.926 | 132.095 | 1211.484 | 1432.381 | 0.725 | 0.974 | 825.434 | 0.999 | 14.71  |
| 10/5/2017 21:00 | 82800  | 57.209 | 16.926 | 132.095 | 1211.762 | 1432.718 | 0.725 | 0.974 | 825.245 | 0.999 | 14.717 |
| 10/5/2017 21:15 | 83700  | 57.212 | 16.924 | 132.101 | 1211.738 | 1432.726 | 0.725 | 0.974 | 825.261 | 0.999 | 14.718 |
| 10/5/2017 21:30 | 84600  | 57.217 | 16.926 | 132.113 | 1211.779 | 1432.735 | 0.725 | 0.974 | 825.233 | 0.999 | 14.717 |
| 10/5/2017 21:45 | 85500  | 57.219 | 16.926 | 132.117 | 1211.733 | 1432.666 | 0.725 | 0.974 | 825.264 | 0.999 | 14.719 |
| 10/5/2017 22:00 | 86400  | 57.223 | 16.925 | 132.125 | 1211.87  | 1432.865 | 0.725 | 0.974 | 825.171 | 0.999 | 14.718 |
| 10/5/2017 22:15 | 87300  | 57.231 | 16.925 | 132.146 | 1211.568 | 1432.52  | 0.725 | 0.974 | 825.377 | 0.999 | 14.715 |
| 10/5/2017 22:30 | 88200  | 57.228 | 16.924 | 132.138 | 1211.698 | 1432.679 | 0.725 | 0.974 | 825.288 | 0.999 | 14.721 |
| 10/5/2017 22:45 | 89100  | 57.227 | 16.925 | 132.136 | 1211.373 | 1432.261 | 0.725 | 0.974 | 825.51  | 0.999 | 14.724 |
| 10/5/2017 23:00 | 90000  | 57.232 | 16.925 | 132.147 | 1211.329 | 1432.223 | 0.725 | 0.974 | 825.539 | 0.999 | 14.724 |
| 10/5/2017 23:15 | 90900  | 57.23  | 16.926 | 132.142 | 1211.619 | 1432.546 | 0.725 | 0.974 | 825.342 | 0.999 | 14.726 |
| 10/5/2017 23:30 | 91800  | 57.24  | 16.925 | 132.166 | 1211.367 | 1432.273 | 0.725 | 0.974 | 825.514 | 0.999 | 14.719 |
| 10/5/2017 23:45 | 92700  | 57.238 | 16.923 | 132.161 | 1211.29  | 1432.233 | 0.725 | 0.974 | 825.566 | 0.999 | 14.727 |
| 10/6/2017 0:00  | 93600  | 57.25  | 16.923 | 132.189 | 1211.172 | 1432.114 | 0.725 | 0.974 | 825.646 | 0.999 | 14.726 |
| 10/6/2017 0:15  | 94500  | 57.252 | 16.923 | 132.192 | 1211.2   | 1432.124 | 0.725 | 0.974 | 825.627 | 0.999 | 14.724 |
| 10/6/2017 0:30  | 95400  | 57.253 | 16.923 | 132.194 | 1211.117 | 1432.023 | 0.725 | 0.974 | 825.684 | 0.999 | 14.729 |
| 10/6/2017 0:45  | 96300  | 57.267 | 16.923 | 132.229 | 1211.252 | 1432.191 | 0.725 | 0.974 | 825.592 | 0.999 | 14.725 |
| 10/6/2017 1:00  | 97200  | 57.27  | 16.924 | 132.234 | 1210.863 | 1431.709 | 0.724 | 0.974 | 825.857 | 0.999 | 14.727 |
| 10/6/2017 1:15  | 98100  | 57.284 | 16.922 | 132.268 | 1210.944 | 1431.879 | 0.725 | 0.974 | 825.802 | 0.999 | 14.722 |
| 10/6/2017 1:30  | 99000  | 57.291 | 16.922 | 132.283 | 1210.655 | 1431.522 | 0.724 | 0.973 | 825.999 | 0.999 | 14.725 |
| 10/6/2017 1:45  | 99900  | 57.296 | 16.924 | 132.295 | 1210.615 | 1431.407 | 0.724 | 0.973 | 826.026 | 0.999 | 14.729 |
| 10/6/2017 2:00  | 100800 | 57.306 | 16.925 | 132.317 | 1210.795 | 1431.609 | 0.724 | 0.973 | 825.903 | 0.999 | 14.729 |
| 10/6/2017 2:15  | 101700 | 57.314 | 16.922 | 132.337 | 1210.519 | 1431.353 | 0.724 | 0.973 | 826.092 | 0.999 | 14.73  |
| 10/6/2017 2:30  | 102600 | 57.319 | 16.923 | 132.348 | 1210.378 | 1431.172 | 0.724 | 0.973 | 826.188 | 0.999 | 14.731 |
| 10/6/2017 2:45  | 103500 | 57.331 | 16.922 | 132.375 | 1210.431 | 1431.254 | 0.724 | 0.973 | 826.152 | 0.999 | 14.727 |
| 10/6/2017 3:00  | 104400 | 57.333 | 16.922 | 132.379 | 1210.23  | 1431.025 | 0.724 | 0.973 | 826.289 | 0.999 | 14.73  |
| 10/6/2017 3:15  | 105300 | 57.35  | 16.922 | 132.418 | 1210.436 | 1431.28  | 0.724 | 0.973 | 826.149 | 0.999 | 14.724 |
| 10/6/2017 3:30  | 106200 | 57.35  | 16.92  | 132.418 | 1209.95  | 1430.76  | 0.724 | 0.973 | 826.48  | 0.999 | 14.726 |
| 10/6/2017 3:45  | 107100 | 57.362 | 16.921 | 132.447 | 1210.165 | 1430.974 | 0.724 | 0.973 | 826.333 | 0.999 | 14.726 |
| 10/6/2017 4:00  | 108000 | 57.372 | 16.922 | 132.472 | 1209.99  | 1430.713 | 0.724 | 0.973 | 826.453 | 0.999 | 14.722 |
| 10/6/2017 4:15  | 108900 | 57.375 | 16.921 | 132.476 | 1209.661 | 1430.386 | 0.724 | 0.973 | 826.678 | 0.999 | 14.726 |
| 10/6/2017 4:30  | 109800 | 57.381 | 16.919 | 132.49  | 1209.537 | 1430.302 | 0.724 | 0.973 | 826.763 | 0.999 | 14.727 |
| 10/6/2017 4:45  | 110700 | 57.389 | 16.918 | 132.509 | 1209.617 | 1430.431 | 0.724 | 0.973 | 826.708 | 0.999 | 14.728 |
| 10/6/2017 5:00  | 111600 | 57.395 | 16.92  | 132.523 | 1209.608 | 1430.347 | 0.724 | 0.973 | 826.714 | 0.999 | 14.726 |
| 10/6/2017 5:15  | 112500 | 57.405 | 16.918 | 132.547 | 1209.465 | 1430.239 | 0.724 | 0.973 | 826.812 | 0.999 | 14.726 |
| 10/6/2017 5:30  | 113400 | 57.404 | 16.921 | 132.544 | 1209.412 | 1430.044 | 0.724 | 0.972 | 826.848 | 0.999 | 14.731 |
| 10/6/2017 5:45  | 114300 | 57.42  | 16.92  | 132.582 | 1209.426 | 1430.128 | 0.724 | 0.972 | 826.839 | 0.999 | 14.724 |
| 10/6/2017 6:00  | 115200 | 57.424 | 16.919 | 132.59  | 1209.326 | 1430.052 | 0.724 | 0.972 | 826.907 | 0.999 | 14.724 |
| 10/6/2017 6:15  | 116100 | 57.428 | 16.918 | 132.599 | 1209.129 | 1429.834 | 0.724 | 0.972 | 827.042 | 0.999 | 14.726 |
| 10/6/2017 6:30  | 117000 | 57.43  | 16.92  | 132.605 | 1209.097 | 1429.756 | 0.723 | 0.972 | 827.063 | 0.999 | 14.732 |
| 10/6/2017 6:45  | 117900 | 57.437 | 16.921 | 132.62  | 1208.868 | 1429.46  | 0.723 | 0.972 | 827.22  | 0.999 | 14.733 |
| 10/6/2017 7:00  | 118800 | 57.446 | 16.92  | 132.64  | 1209.02  | 1429.663 | 0.723 | 0.972 | 827.116 | 0.999 | 14.731 |
| 10/6/2017 7:15  | 119700 | 57.451 | 16.919 | 132.653 | 1209.019 | 1429.673 | 0.723 | 0.972 | 827.117 | 0.999 | 14.732 |
| 10/6/2017 7:30  | 120600 | 57.457 | 16.918 | 132.666 | 1208.954 | 1429.659 | 0.723 | 0.972 | 827.161 | 0.999 | 14.736 |
| 10/6/2017 7:45  | 121500 | 57.465 | 16.919 | 132.685 | 1208.923 | 1429.559 | 0.723 | 0.972 | 827.183 | 0.999 | 14.732 |
| 10/6/2017 8:00  | 122400 | 57.468 | 16.92  | 132.691 | 1209.022 | 1429.654 | 0.723 | 0.972 | 827.115 | 0.999 | 14.736 |
| 10/6/2017 8:15  | 123300 | 57.465 | 16.921 | 132.686 | 1208.746 | 1429.313 | 0.723 | 0.972 | 827.304 | 0.999 | 14.744 |
| 10/6/2017 8:30  | 124200 | 57.482 | 16.922 | 132.725 | 1209.025 | 1429.603 | 0.723 | 0.972 | 827.113 | 0.999 | 14.736 |
| 10/6/2017 8:45  | 125100 | 57.478 | 16.921 | 132.716 | 1208.906 | 1429.494 | 0.723 | 0.972 | 827.194 | 0.999 | 14.741 |
| 10/6/2017 9:00  | 126000 | 57.466 | 16.92  | 132.688 | 1208.911 | 1429.517 | 0.723 | 0.972 | 827.191 | 0.999 | 14.753 |
| 10/6/2017 9:15  | 126900 | 57.469 | 16.923 | 132.695 | 1208.778 | 1429.258 | 0.723 | 0.972 | 827.282 | 0.999 | 14.743 |
| 10/6/2017 9:30  | 127800 | 57.458 | 16.923 | 132.669 | 1208.664 | 1429.154 | 0.723 | 0.972 | 827.36  | 0.999 | 14.751 |
| 10/6/2017 9:45  | 128700 | 57.461 | 16.923 | 132.677 | 1208.915 | 1429.431 | 0.723 | 0.972 | 827.188 | 0.999 | 14.744 |
| 10/6/2017 10:00 | 129600 | 57.449 | 16.92  | 132.648 | 1208.712 | 1429.296 | 0.723 | 0.972 | 827.327 | 0.999 | 14.752 |
| 10/6/2017 10:15 | 130500 | 57.444 | 16.924 | 132.637 | 1208.722 | 1429.273 | 0.723 | 0.972 | 827.32  | 0.999 | 14.732 |
| 10/6/2017 10:30 | 131400 | 57.437 | 16.922 | 132.619 | 1208.816 | 1429.336 | 0.723 | 0.972 | 827.256 | 0.999 | 14.75  |
| 10/6/2017 10:45 | 132300 | 57.43  | 16.923 | 132.604 | 1208.715 | 1429.194 | 0.723 | 0.972 | 827.325 | 0.999 | 14.747 |
| 10/6/2017 11:00 | 133200 | 57.431 | 16.925 | 132.606 | 1208.896 | 1429.349 | 0.723 | 0.972 | 827.201 | 0.999 | 14.739 |
| 10/6/2017 11:15 | 134100 | 57.426 | 16.922 | 132.595 | 1208.612 | 1429.107 | 0.723 | 0.972 | 827.395 | 0.999 | 14.739 |
| 10/6/2017 11:30 | 135000 | 57.413 | 16.924 | 132.565 | 1208.618 | 1429.037 | 0.723 | 0.972 | 827.391 | 0.999 | 14.734 |
| 10/6/2017 11:45 | 135900 | 57.407 | 16.923 | 132.551 | 1208.772 | 1429.265 | 0.723 | 0.972 | 827.286 | 0.999 | 14.736 |
| 10/6/2017 12:00 | 136800 | 57.405 | 16.922 | 132.546 | 1208.628 | 1429.131 | 0.723 | 0.972 | 827.384 | 0.999 | 14.737 |
| 10/6/2017 12:15 | 137700 | 57.403 | 16.923 | 132.543 | 1208.774 | 1429.261 | 0.723 | 0.972 | 827.284 | 0.999 | 14.73  |
| 10/6/2017 12:30 | 138600 | 57.391 | 16.925 | 132.514 | 1208.97  | 1429.447 | 0.723 | 0.972 | 827.151 | 0.999 | 14.739 |
| 10/6/2017 12:45 | 139500 | 57.389 | 16.922 | 132.508 | 1208.871 | 1429.401 | 0.723 | 0.972 | 827.218 | 0.999 | 14.735 |
| 10/6/2017 13:00 | 140400 | 57.386 | 16.924 | 132.503 | 1208.781 | 1429.25  | 0.723 | 0.972 | 827.28  | 0.999 | 14.734 |
| 10/6/2017 13:15 | 141300 | 57.392 | 16.925 | 132.516 | 1209.005 | 1429.492 | 0.723 | 0.972 | 827.127 | 0.999 | 14.722 |
| 10/6/2017 13:30 | 142200 | 57.383 | 16.925 | 132.495 | 1208.98  | 1429.446 | 0.723 | 0.972 | 827.143 | 0.999 | 14.725 |
| 10/6/2017 13:45 | 143100 | 57.37  | 16.926 | 132.466 | 1208.842 | 1429.251 | 0.723 | 0.972 | 827.238 | 0.999 | 14.726 |
| 10/6/2017 14:00 | 144000 | 57.375 | 16.924 | 132.478 | 1209.046 | 1429.552 | 0.723 | 0.972 | 827.098 | 0.999 | 14.717 |
| 10/6/2017 14:15 | 144900 | 57.367 | 16.926 | 132.458 | 1209.037 | 1429.49  | 0.723 | 0.972 | 827.105 | 0.999 | 14.715 |
| 10/6/2017 14:30 | 145800 | 57.35  | 16.925 | 132.4   |          |          |       |       |         |       |        |

|                 |        |        |        |         |          |          |       |       |         |       |        |
|-----------------|--------|--------|--------|---------|----------|----------|-------|-------|---------|-------|--------|
| 10/7/2017 22:15 | 260100 | 57.116 | 16.923 | 131.878 | 1207.849 | 1428.179 | 0.723 | 0.971 | 827.918 | 0.999 | 14.647 |
| 10/7/2017 22:30 | 261000 | 57.107 | 16.921 | 131.857 | 1208.053 | 1428.485 | 0.723 | 0.971 | 827.778 | 0.999 | 14.651 |
| 10/7/2017 22:45 | 261900 | 57.122 | 16.922 | 131.892 | 1208.12  | 1428.525 | 0.723 | 0.971 | 827.732 | 0.999 | 14.655 |
| 10/7/2017 23:00 | 262800 | 57.131 | 16.917 | 131.914 | 1208.155 | 1428.721 | 0.723 | 0.972 | 827.708 | 0.999 | 14.652 |
| 10/7/2017 23:15 | 263700 | 57.138 | 16.92  | 131.929 | 1207.639 | 1428.027 | 0.723 | 0.971 | 828.062 | 0.999 | 14.65  |
| 10/7/2017 23:30 | 264600 | 57.147 | 16.921 | 131.952 | 1207.593 | 1427.822 | 0.722 | 0.971 | 828.093 | 0.999 | 14.644 |
| 10/7/2017 23:45 | 265500 | 57.156 | 16.918 | 131.976 | 1208.149 | 1428.096 | 0.723 | 0.972 | 827.714 | 0.999 | 14.645 |
| 10/8/2017 0:00  | 266400 | 57.162 | 16.922 | 131.986 | 1208.039 | 1428.445 | 0.723 | 0.971 | 827.788 | 0.999 | 14.648 |
| 10/8/2017 0:15  | 267300 | 57.166 | 16.922 | 131.996 | 1207.709 | 1428.027 | 0.723 | 0.971 | 828.014 | 0.999 | 14.649 |
| 10/8/2017 0:30  | 268200 | 57.194 | 16.921 | 132.059 | 1208.229 | 1428.681 | 0.723 | 0.972 | 827.658 | 0.999 | 14.647 |
| 10/8/2017 0:45  | 269100 | 57.188 | 16.922 | 132.066 | 1207.866 | 1428.228 | 0.723 | 0.971 | 827.906 | 0.999 | 14.645 |
| 10/8/2017 1:00  | 270000 | 57.202 | 16.92  | 132.079 | 1207.897 | 1428.106 | 0.723 | 0.971 | 828.022 | 0.999 | 14.641 |
| 10/8/2017 1:15  | 270900 | 57.216 | 16.922 | 132.111 | 1208.017 | 1428.409 | 0.723 | 0.971 | 827.803 | 0.999 | 14.637 |
| 10/8/2017 1:30  | 271800 | 57.211 | 16.923 | 132.098 | 1208.004 | 1428.371 | 0.723 | 0.971 | 827.812 | 0.999 | 14.651 |
| 10/8/2017 1:45  | 272700 | 57.221 | 16.919 | 132.121 | 1207.94  | 1428.406 | 0.723 | 0.971 | 827.855 | 0.999 | 14.645 |
| 10/8/2017 2:00  | 273600 | 57.221 | 16.921 | 132.121 | 1207.875 | 1428.266 | 0.723 | 0.971 | 827.9   | 0.999 | 14.642 |
| 10/8/2017 2:15  | 274500 | 57.241 | 16.922 | 132.167 | 1208.077 | 1428.474 | 0.723 | 0.971 | 827.762 | 0.999 | 14.646 |
| 10/8/2017 2:30  | 275400 | 57.247 | 16.921 | 132.181 | 1208.442 | 1428.599 | 0.723 | 0.972 | 827.512 | 0.999 | 14.644 |
| 10/8/2017 2:45  | 276300 | 57.262 | 16.923 | 132.216 | 1208.041 | 1428.403 | 0.723 | 0.971 | 827.786 | 0.999 | 14.637 |
| 10/8/2017 3:00  | 277200 | 57.265 | 16.922 | 132.223 | 1208.663 | 1429.161 | 0.723 | 0.972 | 827.361 | 0.999 | 14.642 |
| 10/8/2017 3:15  | 278100 | 57.273 | 16.919 | 132.241 | 1208.698 | 1429.295 | 0.723 | 0.972 | 827.337 | 0.999 | 14.641 |
| 10/8/2017 3:30  | 279000 | 57.281 | 16.921 | 132.26  | 1209.015 | 1429.63  | 0.723 | 0.972 | 827.12  | 0.999 | 14.639 |
| 10/8/2017 3:45  | 279900 | 57.291 | 16.92  | 132.284 | 1208.689 | 1429.255 | 0.723 | 0.972 | 827.343 | 0.999 | 14.634 |
| 10/8/2017 4:00  | 280800 | 57.306 | 16.922 | 132.317 | 1208.672 | 1429.166 | 0.723 | 0.972 | 827.355 | 0.999 | 14.63  |
| 10/8/2017 4:15  | 281700 | 57.307 | 16.92  | 132.32  | 1208.235 | 1428.715 | 0.723 | 0.972 | 827.653 | 0.999 | 14.63  |
| 10/8/2017 4:30  | 282600 | 57.316 | 16.92  | 132.34  | 1208.762 | 1429.36  | 0.723 | 0.972 | 827.293 | 0.999 | 14.633 |
| 10/8/2017 4:45  | 283500 | 57.321 | 16.921 | 132.353 | 1209.209 | 1429.833 | 0.724 | 0.972 | 826.987 | 0.999 | 14.633 |
| 10/8/2017 5:00  | 284400 | 57.332 | 16.921 | 132.377 | 1208.802 | 1429.357 | 0.723 | 0.972 | 827.265 | 0.999 | 14.629 |
| 10/8/2017 5:15  | 285300 | 57.348 | 16.924 | 132.415 | 1208.477 | 1428.89  | 0.723 | 0.972 | 827.488 | 0.999 | 14.624 |
| 10/8/2017 5:30  | 286200 | 57.349 | 16.924 | 132.416 | 1209.624 | 1430.246 | 0.724 | 0.973 | 826.703 | 0.999 | 14.632 |
| 10/8/2017 5:45  | 287100 | 57.362 | 16.923 | 132.447 | 1210.137 | 1430.872 | 0.724 | 0.973 | 826.353 | 0.999 | 14.627 |
| 10/8/2017 6:00  | 288000 | 57.369 | 16.922 | 132.463 | 1210.221 | 1431     | 0.724 | 0.973 | 826.296 | 0.999 | 14.631 |
| 10/8/2017 6:15  | 288900 | 57.368 | 16.921 | 132.462 | 1209.931 | 1430.689 | 0.724 | 0.973 | 826.493 | 0.999 | 14.637 |
| 10/8/2017 6:30  | 289800 | 57.383 | 16.919 | 132.494 | 1209.782 | 1430.594 | 0.724 | 0.973 | 826.595 | 0.999 | 14.631 |
| 10/8/2017 6:45  | 290700 | 57.386 | 16.922 | 132.502 | 1209.426 | 1430.075 | 0.724 | 0.972 | 826.838 | 0.999 | 14.636 |
| 10/8/2017 7:00  | 291600 | 57.391 | 16.918 | 132.513 | 1209.177 | 1429.919 | 0.724 | 0.972 | 827.009 | 0.999 | 14.637 |
| 10/8/2017 7:15  | 292500 | 57.405 | 16.92  | 132.545 | 1209.729 | 1430.729 | 0.724 | 0.973 | 826.631 | 0.999 | 14.633 |
| 10/8/2017 7:30  | 293400 | 57.412 | 16.921 | 132.561 | 1209.76  | 1430.498 | 0.724 | 0.973 | 826.61  | 0.999 | 14.631 |
| 10/8/2017 7:45  | 294300 | 57.417 | 16.922 | 132.573 | 1210.002 | 1430.738 | 0.724 | 0.973 | 826.445 | 0.999 | 14.636 |
| 10/8/2017 8:00  | 295200 | 57.419 | 16.92  | 132.579 | 1209.706 | 1430.468 | 0.724 | 0.973 | 826.647 | 0.999 | 14.634 |
| 10/8/2017 8:15  | 296100 | 57.431 | 16.919 | 132.606 | 1209.384 | 1430.133 | 0.724 | 0.972 | 826.867 | 0.999 | 14.632 |
| 10/8/2017 8:30  | 297000 | 57.435 | 16.92  | 132.616 | 1209.347 | 1430.029 | 0.724 | 0.972 | 826.893 | 0.999 | 14.639 |
| 10/8/2017 8:45  | 297900 | 57.441 | 16.921 | 132.620 | 1209.681 | 1429.671 | 0.723 | 0.971 | 827.084 | 0.999 | 14.64  |
| 10/8/2017 9:00  | 298800 | 57.448 | 16.92  | 132.646 | 1209.541 | 1430.273 | 0.724 | 0.973 | 826.76  | 0.999 | 14.639 |
| 10/8/2017 9:15  | 299700 | 57.454 | 16.921 | 132.66  | 1209.392 | 1430.051 | 0.724 | 0.972 | 826.862 | 0.999 | 14.64  |
| 10/8/2017 9:30  | 300600 | 57.461 | 16.92  | 132.676 | 1209.412 | 1430.123 | 0.724 | 0.972 | 826.848 | 0.999 | 14.639 |
| 10/8/2017 9:45  | 301500 | 57.459 | 16.921 | 132.67  | 1209.279 | 1429.941 | 0.724 | 0.972 | 826.939 | 0.999 | 14.644 |
| 10/8/2017 10:00 | 302400 | 57.468 | 16.92  | 132.692 | 1209.034 | 1429.67  | 0.723 | 0.972 | 827.107 | 0.999 | 14.636 |
| 10/8/2017 10:15 | 303300 | 57.472 | 16.92  | 132.701 | 1209.228 | 1429.891 | 0.724 | 0.971 | 826.974 | 0.999 | 14.637 |
| 10/8/2017 10:30 | 304200 | 57.486 | 16.92  | 132.734 | 1209.318 | 1430     | 0.724 | 0.972 | 826.912 | 0.999 | 14.629 |
| 10/8/2017 10:45 | 305100 | 57.487 | 16.921 | 132.735 | 1209.057 | 1429.653 | 0.723 | 0.972 | 827.091 | 0.999 | 14.631 |
| 10/8/2017 11:00 | 306000 | 57.485 | 16.921 | 132.731 | 1208.876 | 1429.45  | 0.723 | 0.972 | 827.214 | 0.999 | 14.635 |
| 10/8/2017 11:15 | 306900 | 57.496 | 16.922 | 132.757 | 1209.042 | 1429.618 | 0.723 | 0.972 | 827.101 | 0.999 | 14.627 |
| 10/8/2017 11:30 | 307800 | 57.498 | 16.921 | 132.761 | 1209.099 | 1429.702 | 0.723 | 0.972 | 827.062 | 0.999 | 14.63  |
| 10/8/2017 11:45 | 308700 | 57.5   | 16.92  | 132.767 | 1208.886 | 1429.498 | 0.723 | 0.972 | 827.208 | 0.999 | 14.63  |
| 10/8/2017 12:00 | 309600 | 57.504 | 16.922 | 132.776 | 1208.733 | 1429.258 | 0.723 | 0.972 | 827.313 | 0.999 | 14.626 |
| 10/8/2017 12:15 | 310500 | 57.515 | 16.92  | 132.801 | 1208.705 | 1429.298 | 0.723 | 0.972 | 827.332 | 0.999 | 14.625 |
| 10/8/2017 12:30 | 311400 | 57.521 | 16.92  | 132.814 | 1208.622 | 1429.188 | 0.723 | 0.972 | 827.389 | 0.999 | 14.63  |
| 10/8/2017 12:45 | 312300 | 57.522 | 16.921 | 132.816 | 1208.425 | 1428.936 | 0.723 | 0.972 | 827.524 | 0.999 | 14.628 |
| 10/8/2017 13:00 | 313200 | 57.531 | 16.919 | 132.837 | 1208.459 | 1429.036 | 0.723 | 0.972 | 827.5   | 0.999 | 14.629 |
| 10/8/2017 13:15 | 314100 | 57.54  | 16.92  | 132.859 | 1208.519 | 1429.062 | 0.723 | 0.972 | 827.459 | 0.999 | 14.623 |
| 10/8/2017 13:30 | 315000 | 57.544 | 16.919 | 132.868 | 1208.386 | 1428.953 | 0.723 | 0.972 | 827.55  | 0.999 | 14.62  |
| 10/8/2017 13:45 | 315900 | 57.555 | 16.919 | 132.893 | 1208.394 | 1428.939 | 0.723 | 0.972 | 827.545 | 0.999 | 14.613 |
| 10/8/2017 14:00 | 316800 | 57.551 | 16.919 | 132.883 | 1208.362 | 1428.896 | 0.723 | 0.972 | 827.566 | 0.999 | 14.623 |
| 10/8/2017 14:15 | 317700 | 57.56  | 16.918 | 132.904 | 1208.245 | 1428.812 | 0.723 | 0.972 | 827.647 | 0.999 | 14.619 |
| 10/8/2017 14:30 | 318600 | 57.571 | 16.92  | 132.929 | 1208.342 | 1428.863 | 0.723 | 0.972 | 827.581 | 0.999 | 14.617 |
| 10/8/2017 14:45 | 319500 | 57.579 | 16.919 | 132.947 | 1208.345 | 1428.901 | 0.723 | 0.972 | 827.578 | 0.999 | 14.613 |
| 10/8/2017 15:00 | 320400 | 57.589 | 16.919 | 132.971 | 1208.124 | 1428.623 | 0.724 | 0.971 | 827.73  | 0.999 | 14.637 |
| 10/8/2017 15:15 | 321300 | 57.588 | 16.918 | 132.968 | 1208.19  | 1428.737 | 0.723 | 0.972 | 827.685 | 0.999 | 14.613 |
| 10/8/2017 15:30 | 322200 | 57.594 | 16.919 | 132.983 | 1208.103 | 1428.594 | 0.723 | 0.971 | 827.744 | 0.999 | 14.613 |
| 10/8/2017 15:45 | 323100 | 57.604 | 16.916 | 133.006 | 1208.155 | 1428.75  | 0.723 | 0.972 | 827.708 | 0.999 | 14.608 |
| 10/8/2017 16:00 | 324000 | 57.613 | 16.918 | 133.027 | 1208.086 | 1428.626 | 0.723 | 0.971 | 827.756 | 0.999 | 14.608 |
| 10/8/2017 16:15 | 324900 | 57.6   | 16.916 | 133.097 | 1207.938 | 1428.49  | 0.723 | 0.971 | 827.857 | 0.999 | 14.611 |
| 10/8/2017 16:30 | 325800 | 57.628 | 16.917 | 133.062 | 1208.091 | 1428.652 | 0.723 | 0.971 | 827.752 | 0.999 | 14.608 |
| 10/8/2017 16:45 | 326700 | 57.629 | 16.919 | 133.064 | 1207.884 | 1428.354 | 0.723 | 0.971 | 827.894 | 0.999 | 14.611 |
| 10/8/2017 17:00 | 327600 | 57.634 | 16.918 | 133.074 | 1207.834 | 1428.334 | 0.723 | 0.971 | 827.928 | 0.999 | 14.611 |
| 10/8/2017 17:15 | 328500 | 57.641 | 16.915 | 133.091 | 1207.976 | 1428.572 | 0.723 | 0.971 | 827.831 | 0.999 | 14.61  |
| 10/8/2017 17:30 | 329400 | 57.649 | 16.918 | 133.11  | 1207.644 | 1428.109 | 0.723 | 0.971 | 828.058 | 0.999 | 14.606 |
| 10/8/2017 17:45 | 330300 | 57.653 | 16.917 | 133.12  | 1207.324 | 1427.737 | 0.722 | 0.971 | 828.278 | 0.999 | 14.612 |
| 10/8/2017 18:00 | 331200 | 57.660 | 16.917 | 133.153 | 1207.563 | 1428.016 | 0.723 | 0.971 | 828.114 | 0.999 | 14.602 |
| 10/8/2017 18:15 | 332100 | 57.668 | 16.918 | 133.154 | 1207.611 | 1428.042 | 0.723 | 0.971 | 828.081 | 0.999 | 14.609 |
| 10/8/2017 18:30 | 333000 | 57.685 | 16.915 | 133.192 | 1207.606 | 1428.146 | 0.723 | 0.971 | 828.085 | 0.999 | 14.599 |
| 10/8/2017 18:45 | 333900 | 57.684 | 16.915 | 133.19  | 1207.24  | 1427.71  | 0.722 | 0.971 | 828.336 | 0.999 | 14.605 |
| 10/8/2017 19:00 | 334800 | 57.671 | 16.919 | 133.16  | 1206.916 | 1427.212 | 0.722 | 0.971 | 828.558 | 0.999 | 14.615 |
| 10/8/2017 19:15 | 335700 | 57.6   |        |         |          |          |       |       |         |       |        |

|                  |        |        |        |         |          |          |       |       |         |       |        |
|------------------|--------|--------|--------|---------|----------|----------|-------|-------|---------|-------|--------|
| 10/10/2017 3:00  | 450000 | 57.836 | 16.915 | 133.541 | 1206.043 | 1426.289 | 0.722 | 0.97  | 829.158 | 0.999 | 14.683 |
| 10/10/2017 3:15  | 450900 | 57.829 | 16.918 | 133.525 | 1205.542 | 1425.621 | 0.721 | 0.969 | 829.502 | 0.999 | 14.688 |
| 10/10/2017 3:30  | 451800 | 57.829 | 16.916 | 133.525 | 1205.023 | 1425.066 | 0.721 | 0.969 | 829.86  | 0.999 | 14.687 |
| 10/10/2017 3:45  | 452700 | 57.835 | 16.919 | 133.54  | 1204.567 | 1424.436 | 0.721 | 0.969 | 830.174 | 0.999 | 14.682 |
| 10/10/2017 4:00  | 453600 | 57.833 | 16.918 | 133.536 | 1204.772 | 1424.713 | 0.721 | 0.969 | 830.033 | 0.999 | 14.682 |
| 10/10/2017 4:15  | 454500 | 57.835 | 16.915 | 133.538 | 1204.983 | 1425.05  | 0.721 | 0.969 | 829.887 | 0.999 | 14.681 |
| 10/10/2017 4:30  | 455400 | 57.838 | 16.917 | 133.547 | 1204.391 | 1424.273 | 0.721 | 0.969 | 830.295 | 0.999 | 14.681 |
| 10/10/2017 4:45  | 456300 | 57.838 | 16.917 | 133.547 | 1204.065 | 1423.882 | 0.72  | 0.968 | 830.52  | 0.999 | 14.682 |
| 10/10/2017 5:00  | 457200 | 57.84  | 16.914 | 133.551 | 1203.676 | 1423.532 | 0.72  | 0.968 | 830.789 | 0.999 | 14.686 |
| 10/10/2017 5:15  | 458100 | 57.841 | 16.917 | 133.552 | 1203.549 | 1423.283 | 0.72  | 0.968 | 830.876 | 0.999 | 14.685 |
| 10/10/2017 5:30  | 459000 | 57.844 | 16.915 | 133.56  | 1203.372 | 1423.142 | 0.72  | 0.968 | 830.998 | 0.999 | 14.685 |
| 10/10/2017 5:45  | 459900 | 57.845 | 16.918 | 133.563 | 1203.534 | 1423.226 | 0.72  | 0.968 | 830.886 | 0.999 | 14.686 |
| 10/10/2017 6:00  | 460800 | 57.842 | 16.916 | 133.555 | 1203.79  | 1423.605 | 0.72  | 0.968 | 830.71  | 0.999 | 14.688 |
| 10/10/2017 6:15  | 461700 | 57.846 | 16.917 | 133.565 | 1203.931 | 1423.749 | 0.72  | 0.968 | 830.613 | 0.999 | 14.689 |
| 10/10/2017 6:30  | 462600 | 57.852 | 16.916 | 133.578 | 1203.906 | 1423.74  | 0.72  | 0.968 | 830.629 | 0.999 | 14.686 |
| 10/10/2017 6:45  | 463500 | 57.852 | 16.916 | 133.579 | 1203.819 | 1423.62  | 0.72  | 0.968 | 830.689 | 0.999 | 14.689 |
| 10/10/2017 7:00  | 464400 | 57.849 | 16.908 | 133.572 | 1201.733 | 1421.417 | 0.719 | 0.967 | 832.132 | 0.999 | 14.696 |
| 10/10/2017 7:15  | 465300 | 57.85  | 16.914 | 133.575 | 1201.775 | 1421.286 | 0.719 | 0.966 | 832.103 | 0.999 | 14.695 |
| 10/10/2017 7:30  | 466200 | 57.855 | 16.911 | 133.585 | 1201.984 | 1421.624 | 0.719 | 0.967 | 831.958 | 0.999 | 14.693 |
| 10/10/2017 7:45  | 467100 | 57.851 | 16.916 | 133.576 | 1202.661 | 1422.281 | 0.72  | 0.967 | 831.489 | 0.999 | 14.695 |
| 10/10/2017 8:00  | 468000 | 57.848 | 16.913 | 133.569 | 1202.552 | 1422.225 | 0.719 | 0.967 | 831.565 | 0.999 | 14.688 |
| 10/10/2017 8:15  | 468900 | 57.863 | 16.918 | 133.604 | 1201.517 | 1420.858 | 0.719 | 0.966 | 832.281 | 0.999 | 14.689 |
| 10/10/2017 8:30  | 469800 | 57.84  | 16.914 | 133.551 | 1202.011 | 1421.566 | 0.719 | 0.967 | 831.939 | 0.999 | 14.698 |
| 10/10/2017 8:45  | 470700 | 57.857 | 16.919 | 133.589 | 1202.121 | 1421.541 | 0.719 | 0.967 | 831.863 | 0.999 | 14.697 |
| 10/10/2017 9:00  | 471600 | 57.855 | 16.919 | 133.586 | 1202.272 | 1421.719 | 0.719 | 0.967 | 831.759 | 0.999 | 14.7   |
| 10/10/2017 9:15  | 472500 | 57.852 | 16.915 | 133.579 | 1201.987 | 1421.503 | 0.719 | 0.967 | 831.956 | 0.999 | 14.701 |
| 10/10/2017 9:30  | 473400 | 57.852 | 16.919 | 133.578 | 1202.457 | 1421.915 | 0.719 | 0.967 | 831.631 | 0.999 | 14.7   |
| 10/10/2017 9:45  | 474300 | 57.852 | 16.914 | 133.577 | 1201.633 | 1421.105 | 0.719 | 0.966 | 832.201 | 0.999 | 14.699 |
| 10/10/2017 10:00 | 475200 | 57.858 | 16.918 | 133.591 | 1201.735 | 1421.105 | 0.719 | 0.966 | 832.13  | 0.999 | 14.693 |
| 10/10/2017 10:15 | 476100 | 57.845 | 16.92  | 133.562 | 1202.07  | 1421.439 | 0.719 | 0.967 | 831.898 | 0.999 | 14.697 |
| 10/10/2017 10:30 | 477000 | 57.841 | 16.917 | 133.554 | 1202.599 | 1422.669 | 0.719 | 0.967 | 831.532 | 0.999 | 14.696 |
| 10/10/2017 10:45 | 477900 | 57.832 | 16.92  | 133.532 | 1202.925 | 1422.463 | 0.72  | 0.967 | 831.307 | 0.999 | 14.7   |
| 10/10/2017 11:00 | 478800 | 57.836 | 16.921 | 133.542 | 1203.206 | 1422.753 | 0.72  | 0.967 | 831.113 | 0.999 | 14.694 |
| 10/10/2017 11:15 | 479700 | 57.825 | 16.916 | 133.515 | 1202.622 | 1422.232 | 0.719 | 0.967 | 831.516 | 0.999 | 14.699 |
| 10/10/2017 11:30 | 480600 | 57.828 | 16.919 | 133.523 | 1203.076 | 1422.67  | 0.72  | 0.967 | 831.203 | 0.999 | 14.698 |
| 10/10/2017 11:45 | 481500 | 57.818 | 16.919 | 133.5   | 1203.203 | 1422.815 | 0.72  | 0.968 | 831.115 | 0.999 | 14.699 |
| 10/10/2017 12:00 | 482400 | 57.815 | 16.919 | 133.494 | 1203.823 | 1423.621 | 0.72  | 0.968 | 830.687 | 0.999 | 14.698 |
| 10/10/2017 12:15 | 483300 | 57.81  | 16.916 | 133.48  | 1203.896 | 1423.741 | 0.72  | 0.968 | 830.637 | 0.999 | 14.697 |
| 10/10/2017 12:30 | 484200 | 57.801 | 16.918 | 133.46  | 1203.299 | 1422.949 | 0.72  | 0.968 | 831.048 | 0.999 | 14.7   |
| 10/10/2017 12:45 | 485100 | 57.794 | 16.92  | 133.446 | 1204.25  | 1424.016 | 0.72  | 0.968 | 830.392 | 0.999 | 14.692 |
| 10/10/2017 13:00 | 486000 | 57.781 | 16.917 | 133.414 | 1204.604 | 1424.531 | 0.721 | 0.969 | 830.148 | 0.999 | 14.694 |
| 10/10/2017 13:15 | 486900 | 57.771 | 16.92  | 133.391 | 1205.107 | 1425.044 | 0.721 | 0.969 | 829.802 | 0.999 | 14.697 |
| 10/10/2017 13:30 | 487800 | 57.773 | 16.917 | 133.394 | 1205.205 | 1425.335 | 0.721 | 0.97  | 829.391 | 0.999 | 14.69  |
| 10/10/2017 13:45 | 488700 | 57.768 | 16.917 | 133.384 | 1205.332 | 1425.391 | 0.721 | 0.969 | 829.647 | 0.999 | 14.686 |
| 10/10/2017 14:00 | 489600 | 57.752 | 16.92  | 133.348 | 1205.402 | 1425.378 | 0.721 | 0.969 | 829.599 | 0.999 | 14.692 |
| 10/10/2017 14:15 | 490500 | 57.746 | 16.917 | 133.334 | 1206.115 | 1426.332 | 0.722 | 0.97  | 829.108 | 0.999 | 14.688 |
| 10/10/2017 14:30 | 491400 | 57.746 | 16.922 | 133.334 | 1206.555 | 1426.669 | 0.722 | 0.97  | 828.806 | 0.999 | 14.685 |
| 10/10/2017 14:45 | 492300 | 57.739 | 16.92  | 133.319 | 1206.296 | 1426.436 | 0.722 | 0.97  | 828.984 | 0.999 | 14.686 |
| 10/10/2017 15:00 | 493200 | 57.725 | 16.919 | 133.285 | 1206.137 | 1426.271 | 0.722 | 0.97  | 829.093 | 0.999 | 14.687 |
| 10/10/2017 15:15 | 494100 | 57.725 | 16.916 | 133.284 | 1206.383 | 1426.652 | 0.722 | 0.97  | 828.924 | 0.999 | 14.682 |
| 10/10/2017 15:30 | 495000 | 57.718 | 16.92  | 133.268 | 1205.679 | 1425.704 | 0.721 | 0.969 | 829.408 | 0.999 | 14.685 |
| 10/10/2017 15:45 | 495900 | 57.703 | 16.919 | 133.235 | 1206.778 | 1427.042 | 0.722 | 0.97  | 828.653 | 0.999 | 14.691 |
| 10/10/2017 16:00 | 496800 | 57.705 | 16.92  | 133.239 | 1207.362 | 1427.688 | 0.722 | 0.971 | 828.252 | 0.999 | 14.683 |
| 10/10/2017 16:15 | 497700 | 57.69  | 16.916 | 133.204 | 1207.207 | 1427.634 | 0.722 | 0.971 | 828.358 | 0.999 | 14.687 |
| 10/10/2017 16:30 | 498600 | 57.689 | 16.918 | 133.201 | 1206.107 | 1426.28  | 0.722 | 0.97  | 829.114 | 0.999 | 14.69  |
| 10/10/2017 16:45 | 499500 | 57.68  | 16.919 | 133.182 | 1205.782 | 1425.901 | 0.721 | 0.97  | 829.337 | 0.999 | 14.697 |
| 10/10/2017 17:00 | 500400 | 57.68  | 16.921 | 133.181 | 1205.628 | 1425.623 | 0.721 | 0.969 | 829.443 | 0.999 | 14.69  |
| 10/10/2017 17:15 | 501300 | 57.674 | 16.921 | 133.169 | 1206.615 | 1426.793 | 0.722 | 0.97  | 828.765 | 0.999 | 14.689 |
| 10/10/2017 17:30 | 502200 | 57.682 | 16.918 | 133.186 | 1206.705 | 1426.982 | 0.722 | 0.97  | 828.703 | 0.999 | 14.683 |
| 10/10/2017 17:45 | 503100 | 57.681 | 16.917 | 133.183 | 1206.684 | 1426.994 | 0.722 | 0.97  | 828.71  | 0.999 | 14.685 |
| 10/10/2017 18:00 | 504000 | 57.675 | 16.918 | 133.169 | 1205.754 | 1425.846 | 0.721 | 0.97  | 829.356 | 0.999 | 14.689 |
| 10/10/2017 18:15 | 504900 | 57.678 | 16.919 | 133.176 | 1206.633 | 1426.893 | 0.722 | 0.97  | 828.753 | 0.999 | 14.695 |
| 10/10/2017 18:30 | 505800 | 57.679 | 16.92  | 133.18  | 1205.474 | 1425.463 | 0.721 | 0.969 | 829.549 | 0.999 | 14.689 |
| 10/10/2017 18:45 | 506700 | 57.683 | 16.918 | 133.189 | 1207.471 | 1427.891 | 0.722 | 0.971 | 828.177 | 0.999 | 14.687 |
| 10/10/2017 19:00 | 507600 | 57.679 | 16.918 | 133.18  | 1207.901 | 1428.393 | 0.723 | 0.971 | 827.882 | 0.999 | 14.688 |
| 10/10/2017 19:15 | 508500 | 57.661 | 16.915 | 133.137 | 1208.27  | 1428.946 | 0.723 | 0.972 | 827.629 | 0.999 | 14.693 |
| 10/10/2017 19:30 | 509400 | 57.677 | 16.911 | 133.174 | 1207.746 | 1428.427 | 0.723 | 0.971 | 827.989 | 0.999 | 14.692 |
| 10/10/2017 19:45 | 510300 | 57.69  | 16.917 | 133.172 | 1206.131 | 1426.34  | 0.723 | 0.97  | 829.071 | 0.999 | 14.702 |
| 10/10/2017 20:00 | 511200 | 57.688 | 16.919 | 133.2   | 1206.862 | 1427.131 | 0.722 | 0.97  | 828.595 | 0.999 | 14.691 |
| 10/10/2017 20:15 | 512100 | 57.694 | 16.917 | 133.213 | 1207.618 | 1428.09  | 0.723 | 0.971 | 828.076 | 0.999 | 14.689 |
| 10/10/2017 20:30 | 513000 | 57.68  | 16.918 | 133.18  | 1207.939 | 1428.446 | 0.723 | 0.971 | 827.857 | 0.999 | 14.701 |
| 10/10/2017 20:45 | 513900 | 57.689 | 16.916 | 133.202 | 1207.873 | 1428.419 | 0.723 | 0.971 | 827.902 | 0.999 | 14.693 |
| 10/10/2017 21:00 | 514800 | 57.693 | 16.912 | 133.211 | 1207.97  | 1428.667 | 0.723 | 0.971 | 827.835 | 0.999 | 14.691 |
| 10/10/2017 21:15 | 515700 | 57.697 | 16.917 | 133.22  | 1208.05  | 1428.629 | 0.723 | 0.971 | 827.78  | 0.999 | 14.694 |
| 10/10/2017 21:30 | 516600 | 57.701 | 16.917 | 133.23  | 1208.302 | 1428.913 | 0.723 | 0.972 | 827.607 | 0.999 | 14.696 |
| 10/10/2017 21:45 | 517500 | 57.706 | 16.916 | 133.24  | 1208.737 | 1429.452 | 0.723 | 0.972 | 827.31  | 0.999 | 14.695 |
| 10/10/2017 22:00 | 518400 | 57.707 | 16.916 | 133.243 | 1207.606 | 1428.126 | 0.723 | 0.971 | 828.085 | 0.999 | 14.696 |
| 10/10/2017 22:15 | 519300 | 57.711 | 16.917 | 133.252 | 1208.137 | 1428.718 | 0.723 | 0.972 | 827.72  | 0.999 | 14.696 |
| 10/10/2017 22:30 | 520200 | 57.714 | 16.914 | 133.26  | 1208.077 | 1428.743 | 0.723 | 0.972 | 827.762 | 0.999 | 14.699 |
| 10/10/2017 22:45 | 521100 | 57.713 | 16.915 | 133.259 | 1207.869 | 1428.459 | 0.723 | 0.971 | 827.904 | 0.999 | 14.704 |
| 10/10/2017 23:00 | 522000 | 57.718 | 16.914 | 133.27  | 1207.594 | 1428.155 | 0.723 | 0.971 | 828.093 | 0.999 | 14.703 |
| 10/10/2017 23:15 | 522900 | 57.715 | 16.917 | 133.263 | 1207.918 | 1428.461 | 0.723 | 0.971 | 827.871 | 0.999 | 14.706 |
| 10/10/2017 23:30 | 523800 | 57.72  | 16.918 | 133.275 | 1208.336 | 1428.928 | 0.723 | 0.972 | 827.584 | 0.999 | 14.706 |
| 10/10/2017 23:45 | 524700 | 57.722 | 16.917 | 133.279 | 1208.468 | 1429.095 | 0.723 | 0.972 | 827.4   |       |        |

Report Date: 10/13/2017 8:37  
Report User Name: WMassoll  
Report Computer Name: WKST52  
Application: WinSitu.exe  
Application Version: 5.6.27.1

Log File Properties  
File Name MPWSP MW-65 LT Test\_2017-10-12\_11-19-35-368-BaroMerge.wsl  
Create Date 10/13/2017 8:31

Device Properties  
Device Aqua TROLL 200  
Site MPWSP MW-65  
Device Name  
Serial Number 498998  
Firmware Version 2.01  
Hardware Version 4  
Device Address 1  
Device Comm Cfg 19200 8 Even 1 (Modbus-RTU)  
Used Memory 0  
Used Battery 2

Log Configuration  
Log Name MPWSP MW-65 LT Test  
Created By WMassoll  
Computer Name PROBOOK2  
Application WinSitu.exe  
Application Version 5.6.27.1  
Create Date 3/16/2017 12:50:25 PM Pacific Daylight Time  
Log Setup Time Zone Pacific Daylight Time  
Notes Size(bytes) 4096  
Overwrite when full Enabled  
Scheduled Start Time 3/16/2017 1:00:00 PM Pacific Daylight Time  
Scheduled Stop Time No Stop Time  
Type Linear  
Interval Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation  
Level Measurement Mode  
Specific Gravity 0.999  
Depth

Other Log Settings  
Depth of Probe: 65.2518 (ft)  
Head Pressure: 28.2601 (PSI)  
Temperature: 16.9986 (C)  
Specific Conductivity Model: Standard Methods  
Reference Temperature: 25  
Temperature Coefficient: 0.0191  
TDS Factor: 0.68

Log Notes:  
Date and Time Note  
3/16/2017 12:50 Used Battery: 2% Used Memory: 3% User Name: WMassoll  
3/16/2017 13:02 Log Download - Used Battery: 2% Used Memory: 3% User Name: WMassoll Interval - Start Time: 3/16/2017 1:00:00 PM Stop Time: 3/16/2017 3:00:00 PM  
3/23/2017 13:19 Log Download - Used Battery: 2% Used Memory: 3% User Name: AVanHaitma Interval - Start Time: 3/16/2017 1:00:00 PM Stop Time: 3/23/2017 1:15:00 PM  
3/30/2017 11:39 Log Download - Used Battery: 3% Used Memory: 4% User Name: AVanHaitma Interval - Start Time: 3/22/2017 10:00:00 PM Stop Time: 3/30/2017 12:30:00 PM  
4/6/2017 10:29 Log Download - Used Battery: 3% Used Memory: 4% User Name: WMassoll Interval - Start Time: 3/16/2017 1:00:00 PM Stop Time: 4/1/2017 6:00:00 AM  
4/6/2017 11:59 Log Download - Used Battery: 3% Used Memory: 4% User Name: WMassoll Interval - Start Time: 3/16/2017 1:00:00 PM Stop Time: 4/6/2017 12:45:00 PM  
4/13/2017 9:05 Log Download - Used Battery: 3% Used Memory: 6% User Name: WMassoll Interval - Start Time: 4/5/2017 12:00:00 PM Stop Time: 4/13/2017 9:00:00 AM  
4/13/2017 9:06 Log Download - Used Battery: 3% Used Memory: 6% User Name: WMassoll Interval - Start Time: 4/5/2017 12:00:00 PM Stop Time: 4/13/2017 9:00:00 AM  
4/20/2017 10:50 Log Download - Used Battery: 4% Used Memory: 6% User Name: AVanHaitma Interval - Start Time: 4/12/2017 10:00:00 PM Stop Time: 4/20/2017 11:45:00 AM  
4/27/2017 9:55 Log Download - Used Battery: 4% Used Memory: 7% User Name: WMassoll Interval - Start Time: 4/19/2017 10:00:00 PM Stop Time: 4/27/2017 10:45:00 AM  
5/4/2017 10:20 Log Download - Used Battery: 4% Used Memory: 7% User Name: AVanHaitma Interval - Start Time: 3/31/2017 10:00:00 PM Stop Time: 5/4/2017 11:15:00 AM  
5/11/2017 10:29 Log Download - Used Battery: 5% Used Memory: 9% User Name: AVanHaitma Interval - Start Time: 5/3/2017 10:00:00 PM Stop Time: 5/11/2017 11:15:00 AM  
5/18/2017 14:38 Log Download - Used Battery: 5% Used Memory: 9% User Name: WMassoll Interval - Start Time: 5/10/2017 10:00:00 PM Stop Time: 5/18/2017 3:30:00 PM  
5/25/2017 10:09 Log Download - Used Battery: 6% Used Memory: 10% User Name: AVanHaitma Interval - Start Time: 5/17/2017 10:00:00 PM Stop Time: 5/25/2017 10:00:00 AM  
6/1/2017 14:45 Log Download - Used Battery: 6% Used Memory: 10% User Name: WMassoll Interval - Start Time: 4/30/2017 10:00:00 PM Stop Time: 6/1/2017 1:15:00 PM  
6/1/2017 14:46 Log Download - Used Battery: 6% Used Memory: 10% User Name: WMassoll Interval - Start Time: 4/30/2017 10:00:00 PM Stop Time: 6/1/2017 3:15:00 PM  
6/8/2017 8:14 Log Download - Used Battery: 6% Used Memory: 12% User Name: WMassoll Interval - Start Time: 5/31/2017 10:00:00 PM Stop Time: 6/8/2017 9:20:00 PM  
6/15/2017 13:24 Log Download - Used Battery: 7% Used Memory: 12% User Name: AVanHaitma Interval - Start Time: 6/7/2017 10:00:00 PM Stop Time: 6/15/2017 1:15:00 PM  
6/15/2017 13:26 Log Download - Used Battery: 7% Used Memory: 12% User Name: AVanHaitma Interval - Start Time: 6/7/2017 10:00:00 PM Stop Time: 6/15/2017 2:15:00 PM  
6/22/2017 7:23 Log Download - Used Battery: 7% Used Memory: 14% User Name: AVanHaitma Interval - Start Time: 6/14/2017 10:00:00 PM Stop Time: 6/22/2017 8:15:00 AM  
6/29/2017 7:50 Log Download - Used Battery: 7% Used Memory: 14% User Name: WMassoll Interval - Start Time: 6/21/2017 10:00:00 PM Stop Time: 6/29/2017 8:15:00 PM  
7/6/2017 7:09 Log Download - Used Battery: 8% Used Memory: 15% User Name: AVanHaitma Interval - Start Time: 5/31/2017 10:00:00 PM Stop Time: 7/6/2017 8:00:00 AM  
7/13/2017 10:08 Log Download - Used Battery: 8% Used Memory: 15% User Name: WMassoll Interval - Start Time: 7/5/2017 10:00:00 PM Stop Time: 7/13/2017 4:00:00 PM  
7/13/2017 10:10 Log Download - Used Battery: 8% Used Memory: 15% User Name: WMassoll Interval - Start Time: 7/5/2017 10:00:00 PM Stop Time: 7/13/2017 10:00:00 AM  
7/20/2017 9:15 Log Download - Used Battery: 9% Used Memory: 17% User Name: WMassoll Interval - Start Time: 7/12/2017 10:00:00 PM Stop Time: 7/20/2017 6:45:00 PM  
7/27/2017 11:05 Log Download - Used Battery: 9% Used Memory: 17% User Name: AVanHaitma Interval - Start Time: 7/19/2017 10:00:00 PM Stop Time: 7/27/2017 12:00:00 PM  
8/3/2017 11:47 Log Download - Used Battery: 9% Used Memory: 18% User Name: AVanHaitma Interval - Start Time: 8/2/2017 10:00:00 PM Stop Time: 9/14/2017 1:45:00 PM  
8/10/2017 8:03 Log Download - Used Battery: 10% Used Memory: 18% User Name: WMassoll Interval - Start Time: 8/2/2017 10:00:00 PM Stop Time: 8/10/2017 6:15:00 PM  
8/17/2017 11:01 Log Download - Used Battery: 10% Used Memory: 20% User Name: AVanHaitma Interval - Start Time: 8/9/2017 10:00:00 PM Stop Time: 8/17/2017 12:00:00 PM  
8/24/2017 13:29 Log Download - Used Battery: 10% Used Memory: 21% User Name: AVanHaitma Interval - Start Time: 8/16/2017 10:00:00 PM Stop Time: 8/24/2017 2:15:00 PM  
9/1/2017 10:04 Log Download - Used Battery: 11% Used Memory: 21% User Name: WMassoll Interval - Start Time: 7/31/2017 10:00:00 PM Stop Time: 9/1/2017 6:30:00 PM  
9/7/2017 11:21 Log Download - Used Battery: 11% Used Memory: 23% User Name: WMassoll Interval - Start Time: 8/31/2017 10:00:00 PM Stop Time: 9/7/2017 6:30:00 PM  
9/14/2017 12:52 Log Download - Used Battery: 11% Used Memory: 23% User Name: AVanHaitma Interval - Start Time: 9/6/2017 10:00:00 PM Stop Time: 9/14/2017 1:45:00 PM  
9/21/2017 12:07 Log Download - Used Battery: 12% Used Memory: 25% User Name: AVanHaitma Interval - Start Time: 9/13/2017 10:00:00 PM Stop Time: 9/21/2017 1:00:00 PM  
9/28/2017 9:55 Log Download - Used Battery: 12% Used Memory: 25% User Name: WMassoll Interval - Start Time: 9/20/2017 10:00:00 PM Stop Time: 9/28/2017 5:45:00 PM  
10/5/2017 11:30 Log Download - Used Battery: 13% Used Memory: 26% User Name: WMassoll Interval - Start Time: 8/31/2017 10:00:00 PM Stop Time: 10/5/2017 1:30:00 PM  
10/12/2017 11:18 Log Download - Used Battery: 13% Used Memory: 26% User Name: AVanHaitma Interval - Start Time: 10/4/2017 10:00:00 PM Stop Time: 10/12/2017 12:15:00 PM  
10/13/2017 8:31 User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll\_2017-10-12\_17-14-36-585.wsl""

Log Data:  
Record Count 726

Sensors 2  
1 498998 PCTD 30 PSIA (10.9m/35.8ft)  
2 0 Baro-Adjustment Calc

Time Zone: Pacific Daylight Time

| Date and Time   | Elapsed Time<br>Seconds | Sensor: PCTD(A) 35.8ft<br>SNR: 498998 |                 | Sensor: PCTD(A) 35.8ft<br>SNR: 498998 |                             | Sensor: PCTD(A) 35.8ft<br>SNR: 498998 |                | Sensor: PCTD(A) 35.8ft<br>SNR: 498998 |                      | Sensor: PCTD(A) 35.8ft<br>SNR: 498998 |                           | Sensor: PCTD(A) 35.8ft<br>SNR: 498998 |  | Sensor: PCTD(A) 35.8ft<br>SNR: 498998 |  | Sensor: Baro-Adj Calc<br>SNR: 000000 |  |
|-----------------|-------------------------|---------------------------------------|-----------------|---------------------------------------|-----------------------------|---------------------------------------|----------------|---------------------------------------|----------------------|---------------------------------------|---------------------------|---------------------------------------|--|---------------------------------------|--|--------------------------------------|--|
|                 |                         | Corrected<br>Pressure (PSI)           | Temperature (C) | Corrected<br>Depth (ft)               | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm)         | Salinity (PSU) | Total Dissolved Solids (ppt)          | Resistivity (ohm-cm) | Water Density (g/cm3)                 | Barometric Pressure (PSI) |                                       |  |                                       |  |                                      |  |
|                 |                         |                                       |                 |                                       |                             |                                       |                |                                       |                      |                                       |                           |                                       |  |                                       |  |                                      |  |
| 10/5/2017 0:00  | 7200                    | 11.894                                | 16.984          | 27.464                                | 1886.998                    | 2228.138                              | 1.152          | 1.515                                 | 529.942              | 1                                     | 14.751                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 0:15  | 8100                    | 11.898                                | 16.984          | 27.472                                | 1886.973                    | 2228.105                              | 1.152          | 1.515                                 | 529.949              | 1                                     | 14.749                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 0:30  | 9000                    | 11.896                                | 16.984          | 27.467                                | 1887.017                    | 2228.165                              | 1.152          | 1.515                                 | 529.937              | 1                                     | 14.752                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 0:45  | 9900                    | 11.902                                | 16.984          | 27.482                                | 1887.191                    | 2228.384                              | 1.152          | 1.515                                 | 529.888              | 1                                     | 14.745                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 1:00  | 10800                   | 11.91                                 | 16.983          | 27.5                                  | 1887.005                    | 2228.177                              | 1.152          | 1.515                                 | 529.94               | 1                                     | 14.737                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 1:15  | 11700                   | 11.902                                | 16.984          | 27.48                                 | 1886.979                    | 2228.128                              | 1.152          | 1.515                                 | 529.948              | 1                                     | 14.744                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 1:30  | 12600                   | 11.901                                | 16.984          | 27.48                                 | 1886.987                    | 2228.147                              | 1.152          | 1.515                                 | 529.945              | 1                                     | 14.743                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 1:45  | 13500                   | 11.899                                | 16.984          | 27.475                                | 1886.999                    | 2228.161                              | 1.152          | 1.515                                 | 529.942              | 1                                     | 14.745                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 2:00  | 14400                   | 11.902                                | 16.983          | 27.481                                | 1887.218                    | 2228.438                              | 1.152          | 1.515                                 | 529.88               | 1                                     | 14.742                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 2:15  | 15300                   | 11.899                                | 16.984          | 27.474                                | 1886.913                    | 2228.033                              | 1.152          | 1.515                                 | 529.966              | 1                                     | 14.745                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 2:30  | 16200                   | 11.898                                | 16.984          | 27.471                                | 1887.351                    | 2228.564                              | 1.152          | 1.515                                 | 529.843              | 1                                     | 14.746                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 2:45  | 17100                   | 11.899                                | 16.984          | 27.475                                | 1886.941                    | 2228.093                              | 1.152          | 1.515                                 | 529.958              | 1                                     | 14.744                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 3:00  | 18000                   | 11.904                                | 16.984          | 27.487                                | 1886.921                    | 2228.057                              | 1.152          | 1.515                                 | 529.964              | 1                                     | 14.739                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 3:15  | 18900                   | 11.899                                | 16.984          | 27.475                                | 1887.103                    | 2228.28                               | 1.152          | 1.515                                 | 529.913              | 1                                     | 14.743                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 3:30  | 19800                   | 11.904                                | 16.983          | 27.487                                | 1886.963                    | 2228.018                              | 1.152          | 1.515                                 | 529.98               | 1                                     | 14.738                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 3:45  | 20700                   | 11.903                                | 16.983          | 27.484                                | 1887.14                     | 2228.336                              | 1.152          | 1.515                                 | 529.902              | 1                                     | 14.739                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 4:00  | 21600                   | 11.903                                | 16.983          | 27.483                                | 1887.242                    | 2228.47                               | 1.152          | 1.515                                 | 529.874              | 1                                     | 14.739                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 4:15  | 22500                   | 11.901                                | 16.983          | 27.48                                 | 1886.935                    | 2228.099                              | 1.152          | 1.515                                 | 529.96               | 1                                     | 14.74                     |                                       |  |                                       |  |                                      |  |
| 10/5/2017 4:30  | 23400                   | 11.904                                | 16.984          | 27.485                                | 1887.293                    | 2228.508                              | 1.152          | 1.515                                 | 529.859              | 1                                     | 14.737                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 4:45  | 24300                   | 11.902                                | 16.983          | 27.48                                 | 1886.936                    | 2228.105                              | 1.152          | 1.515                                 | 529.96               | 1                                     | 14.739                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 5:00  | 25200                   | 11.903                                | 16.983          | 27.483                                | 1886.914                    | 2228.096                              | 1.152          | 1.515                                 | 529.966              | 1                                     | 14.736                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 5:15  | 26100                   | 11.899                                | 16.983          | 27.475                                | 1886.935                    | 2228.104                              | 1.152          | 1.515                                 | 529.96               | 1                                     | 14.741                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 5:30  | 27000                   | 11.906                                | 16.983          | 27.49                                 | 1887.412                    | 2228.653                              | 1.152          | 1.515                                 | 529.826              | 1                                     | 14.734                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 5:45  | 27900                   | 11.9                                  | 16.984          | 27.478                                | 1887.375                    | 2228.606                              | 1.152          | 1.515                                 | 529.836              | 1                                     | 14.74                     |                                       |  |                                       |  |                                      |  |
| 10/5/2017 6:00  | 28800                   | 11.904                                | 16.983          | 27.487                                | 1887.278                    | 2228.513                              | 1.152          | 1.515                                 | 529.864              | 1                                     | 14.737                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 6:15  | 29700                   | 11.901                                | 16.983          | 27.478                                | 1887.058                    | 2228.262                              | 1.152          | 1.515                                 | 529.925              | 1                                     | 14.739                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 6:30  | 30600                   | 11.902                                | 16.983          | 27.483                                | 1887.409                    | 2228.655                              | 1.152          | 1.515                                 | 529.827              | 1                                     | 14.738                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 6:45  | 31500                   | 11.9                                  | 16.983          | 27.476                                | 1887.26                     | 2228.474                              | 1.152          | 1.515                                 | 529.869              | 1                                     | 14.739                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 7:00  | 32400                   | 11.905                                | 16.984          | 27.488                                | 1887.417                    | 2228.655                              | 1.152          | 1.515                                 | 529.825              | 1                                     | 14.735                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 7:15  | 33300                   | 11.899                                | 16.983          | 27.475                                | 1887.416                    | 2228.658                              | 1.152          | 1.515                                 | 529.825              | 1                                     | 14.74                     |                                       |  |                                       |  |                                      |  |
| 10/5/2017 7:30  | 34200                   | 11.907                                | 16.983          | 27.494                                | 1887.548                    | 2228.837                              | 1.153          | 1.516                                 | 529.788              | 1                                     | 14.732                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 7:45  | 35100                   | 11.904                                | 16.983          | 27.485                                | 1887.42                     | 2228.681                              | 1.152          | 1.516                                 | 529.824              | 1                                     | 14.737                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 8:00  | 36000                   | 11.899                                | 16.984          | 27.475                                | 1887.42                     | 2228.655                              | 1.152          | 1.515                                 | 529.824              | 1                                     | 14.742                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 8:15  | 36900                   | 11.896                                | 16.984          | 27.467                                | 1887.231                    | 2228.435                              | 1.152          | 1.515                                 | 529.877              | 1                                     | 14.745                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 8:30  | 37800                   | 11.904                                | 16.983          | 27.486                                | 1887.413                    | 2228.659                              | 1.152          | 1.515                                 | 529.826              | 1                                     | 14.738                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 8:45  | 38700                   | 11.9                                  | 16.984          | 27.478                                | 1887.289                    | 2228.496                              | 1.152          | 1.515                                 | 529.86               | 1                                     | 14.741                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 9:00  | 39600                   | 11.899                                | 16.984          | 27.474                                | 1887.321                    | 2228.538                              | 1.152          | 1.515                                 | 529.851              | 1                                     | 14.743                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 9:15  | 40500                   | 11.908                                | 16.984          | 27.495                                | 1887.455                    | 2228.7                                | 1.152          | 1.516                                 | 529.814              | 1                                     | 14.74                     |                                       |  |                                       |  |                                      |  |
| 10/5/2017 9:30  | 41400                   | 11.903                                | 16.984          | 27.483                                | 1887.589                    | 2228.854                              | 1.153          | 1.516                                 | 529.776              | 1                                     | 14.74                     |                                       |  |                                       |  |                                      |  |
| 10/5/2017 9:45  | 42300                   | 11.903                                | 16.983          | 27.481                                | 1887.391                    | 2228.629                              | 1.152          | 1.515                                 | 529.832              | 1                                     | 14.742                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 10:00 | 43200                   | 11.904                                | 16.984          | 27.485                                | 1887.489                    | 2228.736                              | 1.152          | 1.516                                 | 529.804              | 1                                     | 14.739                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 10:15 | 44100                   | 11.897                                | 16.984          | 27.469                                | 1887.582                    | 2228.832                              | 1.153          | 1.516                                 | 529.778              | 1                                     | 14.747                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 10:30 | 45000                   | 11.906                                | 16.983          | 27.49                                 | 1887.44                     | 2228.687                              | 1.152          | 1.516                                 | 529.818              | 1                                     | 14.738                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 10:45 | 45900                   | 11.902                                | 16.984          | 27.48                                 | 1887.687                    | 2228.965                              | 1.153          | 1.516                                 | 529.749              | 1                                     | 14.741                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 11:00 | 46800                   | 11.906                                | 16.984          | 27.489                                | 1887.623                    | 2228.872                              | 1.153          | 1.516                                 | 529.767              | 1                                     | 14.738                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 11:15 | 47700                   | 11.906                                | 16.983          | 27.492                                | 1887.459                    | 2228.714                              | 1.152          | 1.516                                 | 529.813              | 1                                     | 14.735                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 11:30 | 48600                   | 11.903                                | 16.985          | 27.484                                | 1887.755                    | 2228.988                              | 1.153          | 1.516                                 | 529.713              | 1                                     | 14.736                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 11:45 | 49500                   | 11.896                                | 16.984          | 27.467                                | 1887.765                    | 2229.053                              | 1.153          | 1.516                                 | 529.727              | 1                                     | 14.742                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 12:00 | 50400                   | 11.9                                  | 16.983          | 27.477                                | 1887.85                     | 2229.188                              | 1.153          | 1.516                                 | 529.703              | 1                                     | 14.737                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 12:15 | 51300                   | 11.897                                | 16.983          | 27.47                                 | 1887.954                    | 2229.293                              | 1.153          | 1.516                                 | 529.674              | 1                                     | 14.735                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 12:30 | 52200                   | 11.898                                | 16.983          | 27.471                                | 1888.059                    | 2229.435                              | 1.153          | 1.516                                 | 529.644              | 1                                     | 14.736                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 12:45 | 53100                   | 11.903                                | 16.983          | 27.483                                | 1887.943                    | 2229.294                              | 1.153          | 1.516                                 | 529.677              | 1                                     | 14.729                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 13:00 | 54000                   | 11.896                                | 16.983          | 27.469                                | 1887.734                    | 2229.047                              | 1.153          | 1.516                                 | 529.736              | 1                                     | 14.734                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 13:15 | 54900                   | 11.9                                  | 16.983          | 27.477                                | 1887.859                    | 2229.208                              | 1.153          | 1.516                                 | 529.701              | 1                                     | 14.727                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 13:30 | 55800                   | 11.903                                | 16.983          | 27.485                                | 1887.865                    | 2229.21                               | 1.153          | 1.516                                 | 529.699              | 1                                     | 14.724                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 13:45 | 56700                   | 11.901                                | 16.983          | 27.479                                | 1888.071                    | 2229.466                              | 1.153          | 1.516                                 | 529.641              | 1                                     | 14.723                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 14:00 | 57600                   | 11.903                                | 16.983          | 27.484                                | 1887.792                    | 2229.129                              | 1.153          | 1.516                                 | 529.719              | 1                                     | 14.721                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 14:15 | 58500                   | 11.9                                  | 16.983          | 27.477                                | 1887.805                    | 2229.122                              | 1.153          | 1.516                                 | 529.716              | 1                                     | 14.721                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 14:30 | 59400                   | 11.902                                | 16.983          | 27.481                                | 1887.995                    | 2229.346                              | 1.153          | 1.516                                 | 529.662              | 1                                     | 14.717                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 14:45 | 60300                   | 11.899                                | 16.983          | 27.473                                | 1887.864                    | 2229.191                              | 1.153          | 1.516                                 | 529.699              | 1                                     | 14.719                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 15:00 | 61200                   | 11.9                                  | 16.983          | 27.476                                | 1887.916                    | 2229.261                              | 1.153          | 1.516                                 | 529.685              | 1                                     | 14.716                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 15:15 | 62100                   | 11.902                                | 16.983          | 27.482                                | 1887.852                    | 2229.195                              | 1.153          | 1.516                                 | 529.703              | 1                                     | 14.712                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 15:30 | 63000                   | 11.905                                | 16.983          | 27.488                                | 1888.054                    | 2229.424                              | 1.153          | 1.516                                 | 529.646              | 1                                     | 14.713                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 15:45 | 63900                   | 11.909                                | 16.983          | 27.498                                | 1888.169                    | 2229.57                               | 1.153          | 1.516                                 | 529.614              | 1                                     | 14.707                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 16:00 | 64800                   | 11.898                                | 16.983          | 27.472                                | 1887.995                    | 2229.382                              | 1.153          | 1.516                                 | 529.662              | 1                                     | 14.714                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 16:15 | 65700                   | 11.902                                | 16.983          | 27.482                                | 1887.756                    | 2229.095                              | 1.153          | 1.516                                 | 529.729              | 1                                     | 14.708                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 16:30 | 66600                   | 11.906                                | 16.983          | 27.492                                | 1888.256                    | 2229.681                              | 1.153          | 1.516                                 | 529.589              | 1                                     | 14.701                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 16:45 | 67500                   | 11.901                                | 16.984          | 27.479                                | 1887.925                    | 2229.246                              | 1.153          | 1.516                                 | 529.682              | 1                                     | 14.706                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 17:00 | 68400                   | 11.899                                | 16.984          | 27.475                                | 1887.934                    | 2229.248                              | 1.153          | 1.516                                 | 529.68               | 1                                     | 14.707                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 17:15 | 69300                   | 11.9                                  | 16.984          | 27.477                                | 1888.319                    | 2229.72                               | 1.153          | 1.516                                 | 529.572              | 1                                     | 14.708                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 17:30 | 70200                   | 11.902                                | 16.984          | 27.482                                | 1887.831                    | 2229.135                              | 1.153          | 1.516                                 | 529.709              | 1                                     | 14.704                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 17:45 | 71100                   | 11.904                                | 16.984          | 27.485                                | 1888.323                    | 2229.712                              | 1.153          | 1.516                                 | 529.57               | 1                                     | 14.703                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 18:00 | 72000                   | 11.901                                | 16.984          | 27.48                                 | 1888.095                    | 2229.434                              | 1.153          | 1.516                                 | 529.634              | 1                                     | 14.706                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 18:15 | 72900                   | 11.908                                | 16.984          | 27.495                                | 1887.78                     | 2229.189                              | 1.153          | 1.516                                 | 529.695              | 1                                     | 14.7                      |                                       |  |                                       |  |                                      |  |
| 10/5/2017 18:30 | 73800                   | 11.903                                | 16.984          | 27.485                                | 1888.271                    | 2229.65                               | 1.153          | 1.516                                 | 529.585              | 1                                     | 14.704                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 18:45 | 74700                   | 11.902                                | 16.984          | 27.482                                | 1888.221                    | 2229.583                              | 1.153          | 1.516                                 | 529.599              | 1                                     | 14.704                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 19:00 | 75600                   | 11.906                                | 16.984          | 27.491                                | 1888.21                     | 2229.582                              | 1.153          | 1.516                                 | 529.602              | 1                                     | 14.7                      |                                       |  |                                       |  |                                      |  |
| 10/5/2017 19:15 | 76500                   | 11.901                                | 16.983          | 27.479                                | 1888.424                    | 2229.849                              | 1.153          | 1.516                                 | 529.542              | 1                                     | 14.704                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 19:30 | 77400                   | 11.905                                | 16.984          | 27.488                                | 1888.122                    | 2229.461                              | 1.153          | 1.516                                 | 529.627              | 1                                     | 14.701                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 19:45 | 78300                   | 11.899                                | 16.983          | 27.474                                | 1888.136                    | 2229.535                              | 1.153          | 1.516                                 | 529.623              | 1                                     | 14.709                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 20:00 | 79200                   | 11.904                                | 16.984          | 27.485                                | 1888.168                    | 2229.524                              | 1.153          | 1.516                                 | 529.614              | 1                                     | 14.705                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 20:15 | 80100                   | 11.903                                | 16.984          | 27.483                                | 1888.228                    | 2229.612                              | 1.153          | 1.516                                 | 529.597              | 1                                     | 14.708                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 20:30 | 81000                   | 11.897                                | 16.984          | 27.47                                 | 1888.084                    | 2229.439                              | 1.153          | 1.516                                 | 529.637              | 1                                     | 14.714                    |                                       |  |                                       |  |                                      |  |
| 10/5/2017 20:45 | 81900                   | 11.903                                | 16.983          | 27.483                                | 1888.049                    | 2229.424                              | 1.153          | 1.516                                 | 529.647              | 1                                     | 14.71                     |                                       |  |                                       |  |                                      |  |
| 10/5/2017 21:00 | 82800                   | 11.898                                | 16.984          | 27.473                                | 1888.202                    | 2229.582                              | 1.153          | 1.516                                 | 529.604              |                                       |                           |                                       |  |                                       |  |                                      |  |

|                 |        |        |        |        |          |          |       |       |         |   |        |
|-----------------|--------|--------|--------|--------|----------|----------|-------|-------|---------|---|--------|
| 10/6/2017 0:15  | 94500  | 11.908 | 16.984 | 27.494 | 1888.608 | 2230.057 | 1.153 | 1.516 | 529.491 | 1 | 14.724 |
| 10/6/2017 0:30  | 95400  | 11.901 | 16.984 | 27.478 | 1888.434 | 2229.843 | 1.153 | 1.516 | 529.539 | 1 | 14.729 |
| 10/6/2017 0:45  | 96300  | 11.907 | 16.983 | 27.492 | 1888.512 | 2229.966 | 1.153 | 1.516 | 529.517 | 1 | 14.725 |
| 10/6/2017 1:00  | 97200  | 11.906 | 16.983 | 27.49  | 1888.634 | 2230.115 | 1.153 | 1.516 | 529.483 | 1 | 14.727 |
| 10/6/2017 1:15  | 98100  | 11.91  | 16.984 | 27.499 | 1888.762 | 2230.239 | 1.153 | 1.517 | 529.447 | 1 | 14.722 |
| 10/6/2017 1:30  | 99000  | 11.908 | 16.983 | 27.494 | 1888.491 | 2229.928 | 1.153 | 1.516 | 529.523 | 1 | 14.725 |
| 10/6/2017 1:45  | 99900  | 11.905 | 16.982 | 27.489 | 1888.75  | 2230.251 | 1.153 | 1.517 | 529.451 | 1 | 14.729 |
| 10/6/2017 2:00  | 100800 | 11.906 | 16.983 | 27.491 | 1888.527 | 2229.97  | 1.153 | 1.516 | 529.513 | 1 | 14.729 |
| 10/6/2017 2:15  | 101700 | 11.903 | 16.984 | 27.484 | 1888.849 | 2230.324 | 1.153 | 1.517 | 529.423 | 1 | 14.73  |
| 10/6/2017 2:30  | 102600 | 11.907 | 16.984 | 27.493 | 1888.612 | 2230.044 | 1.153 | 1.516 | 529.489 | 1 | 14.728 |
| 10/6/2017 2:45  | 103500 | 11.908 | 16.984 | 27.495 | 1888.999 | 2230.51  | 1.153 | 1.517 | 529.381 | 1 | 14.727 |
| 10/6/2017 3:00  | 104400 | 11.905 | 16.984 | 27.488 | 1888.824 | 2230.417 | 1.153 | 1.517 | 529.402 | 1 | 14.73  |
| 10/6/2017 3:15  | 11.91  | 11.91  | 16.984 | 27.501 | 1888.86  | 2230.342 | 1.153 | 1.517 | 529.42  | 1 | 14.724 |
| 10/6/2017 3:30  | 106200 | 11.905 | 16.984 | 27.487 | 1888.774 | 2230.245 | 1.153 | 1.517 | 529.444 | 1 | 14.73  |
| 10/6/2017 3:45  | 107100 | 11.909 | 16.984 | 27.498 | 1888.851 | 2230.33  | 1.153 | 1.517 | 529.422 | 1 | 14.726 |
| 10/6/2017 4:00  | 108000 | 11.913 | 16.984 | 27.508 | 1888.885 | 2230.358 | 1.153 | 1.517 | 529.413 | 1 | 14.722 |
| 10/6/2017 4:15  | 108900 | 11.907 | 16.984 | 27.493 | 1889.035 | 2230.562 | 1.153 | 1.517 | 529.371 | 1 | 14.726 |
| 10/6/2017 4:30  | 109800 | 11.907 | 16.983 | 27.493 | 1888.788 | 2230.287 | 1.153 | 1.517 | 529.44  | 1 | 14.727 |
| 10/6/2017 4:45  | 110700 | 11.907 | 16.983 | 27.493 | 1889.007 | 2230.55  | 1.153 | 1.517 | 529.379 | 1 | 14.728 |
| 10/6/2017 5:00  | 111600 | 11.908 | 16.984 | 27.495 | 1888.966 | 2230.48  | 1.153 | 1.517 | 529.39  | 1 | 14.726 |
| 10/6/2017 5:15  | 112500 | 11.908 | 16.984 | 27.494 | 1889.041 | 2230.546 | 1.153 | 1.517 | 529.369 | 1 | 14.726 |
| 10/6/2017 5:30  | 113400 | 11.904 | 16.984 | 27.486 | 1888.87  | 2230.344 | 1.153 | 1.517 | 529.417 | 1 | 14.731 |
| 10/6/2017 5:45  | 114300 | 11.909 | 16.984 | 27.499 | 1889.154 | 2230.698 | 1.154 | 1.517 | 529.337 | 1 | 14.724 |
| 10/6/2017 6:00  | 115200 | 11.909 | 16.984 | 27.487 | 1889.243 | 2230.794 | 1.154 | 1.517 | 529.312 | 1 | 14.724 |
| 10/6/2017 6:15  | 116100 | 11.908 | 16.984 | 27.494 | 1888.937 | 2230.437 | 1.153 | 1.517 | 529.398 | 1 | 14.726 |
| 10/6/2017 6:30  | 117000 | 11.903 | 16.983 | 27.483 | 1889.373 | 2230.995 | 1.154 | 1.517 | 529.276 | 1 | 14.732 |
| 10/6/2017 6:45  | 117900 | 11.903 | 16.984 | 27.484 | 1888.901 | 2230.381 | 1.153 | 1.517 | 529.408 | 1 | 14.733 |
| 10/6/2017 7:00  | 118800 | 11.904 | 16.984 | 27.486 | 1889.157 | 2230.697 | 1.154 | 1.517 | 529.336 | 1 | 14.731 |
| 10/6/2017 7:15  | 119700 | 11.905 | 16.984 | 27.489 | 1889.126 | 2230.655 | 1.154 | 1.517 | 529.345 | 1 | 14.732 |
| 10/6/2017 7:30  | 120600 | 11.902 | 16.984 | 27.481 | 1889.267 | 2230.835 | 1.154 | 1.517 | 529.306 | 1 | 14.736 |
| 10/6/2017 7:45  | 121500 | 11.905 | 16.984 | 27.489 | 1889.254 | 2230.808 | 1.154 | 1.517 | 529.309 | 1 | 14.732 |
| 10/6/2017 8:00  | 122400 | 11.903 | 16.984 | 27.484 | 1889.224 | 2230.78  | 1.154 | 1.517 | 529.318 | 1 | 14.736 |
| 10/6/2017 8:15  | 123300 | 11.896 | 16.983 | 27.467 | 1889.234 | 2230.809 | 1.154 | 1.517 | 529.315 | 1 | 14.744 |
| 10/6/2017 8:30  | 124200 | 11.907 | 16.983 | 27.492 | 1889.348 | 2230.958 | 1.154 | 1.517 | 529.283 | 1 | 14.736 |
| 10/6/2017 8:45  | 125100 | 11.903 | 16.983 | 27.484 | 1889.449 | 2231.077 | 1.154 | 1.517 | 529.255 | 1 | 14.741 |
| 10/6/2017 9:00  | 126000 | 11.891 | 16.983 | 27.456 | 1889.458 | 2231.069 | 1.154 | 1.517 | 529.252 | 1 | 14.753 |
| 10/6/2017 9:15  | 126900 | 11.908 | 16.983 | 27.495 | 1889.416 | 2231.019 | 1.154 | 1.517 | 529.264 | 1 | 14.734 |
| 10/6/2017 9:30  | 127800 | 11.897 | 16.983 | 27.47  | 1889.264 | 2230.862 | 1.154 | 1.517 | 529.307 | 1 | 14.751 |
| 10/6/2017 9:45  | 128700 | 11.902 | 16.983 | 27.482 | 1889.526 | 2231.162 | 1.154 | 1.517 | 529.233 | 1 | 14.744 |
| 10/6/2017 10:00 | 129600 | 11.897 | 16.983 | 27.469 | 1889.217 | 2230.798 | 1.154 | 1.517 | 529.32  | 1 | 14.752 |
| 10/6/2017 10:15 | 130500 | 11.901 | 16.983 | 27.478 | 1889.409 | 2231.06  | 1.154 | 1.517 | 529.266 | 1 | 14.747 |
| 10/6/2017 10:30 | 131400 | 11.897 | 16.983 | 27.469 | 1889.375 | 2230.989 | 1.154 | 1.517 | 529.276 | 1 | 14.75  |
| 10/6/2017 10:45 | 132300 | 11.9   | 16.983 | 27.477 | 1889.342 | 2230.968 | 1.154 | 1.517 | 529.285 | 1 | 14.747 |
| 10/6/2017 11:00 | 133200 | 11.906 | 16.983 | 27.49  | 1889.491 | 2231.126 | 1.154 | 1.517 | 529.243 | 1 | 14.739 |
| 10/6/2017 11:15 | 134100 | 11.906 | 16.983 | 27.491 | 1889.538 | 2231.173 | 1.154 | 1.517 | 529.23  | 1 | 14.739 |
| 10/6/2017 11:30 | 135000 | 11.9   | 16.983 | 27.477 | 1889.32  | 2230.928 | 1.154 | 1.517 | 529.291 | 1 | 14.74  |
| 10/6/2017 11:45 | 135900 | 11.902 | 16.983 | 27.482 | 1889.295 | 2230.912 | 1.154 | 1.517 | 529.298 | 1 | 14.737 |
| 10/6/2017 12:00 | 136800 | 11.901 | 16.983 | 27.478 | 1889.724 | 2231.401 | 1.154 | 1.517 | 529.178 | 1 | 14.737 |
| 10/6/2017 12:15 | 137700 | 11.904 | 16.983 | 27.486 | 1889.556 | 2231.229 | 1.154 | 1.517 | 529.225 | 1 | 14.73  |
| 10/6/2017 12:30 | 138600 | 11.893 | 16.983 | 27.461 | 1889.643 | 2231.31  | 1.154 | 1.517 | 529.2   | 1 | 14.739 |
| 10/6/2017 12:45 | 139500 | 11.896 | 16.983 | 27.467 | 1889.586 | 2231.252 | 1.154 | 1.517 | 529.216 | 1 | 14.735 |
| 10/6/2017 13:00 | 140400 | 11.896 | 16.983 | 27.467 | 1889.662 | 2231.351 | 1.154 | 1.517 | 529.195 | 1 | 14.734 |
| 10/6/2017 13:15 | 141300 | 11.905 | 16.983 | 27.487 | 1889.761 | 2231.458 | 1.154 | 1.517 | 529.167 | 1 | 14.722 |
| 10/6/2017 13:30 | 142200 | 11.9   | 16.983 | 27.476 | 1889.333 | 2230.943 | 1.154 | 1.517 | 529.287 | 1 | 14.725 |
| 10/6/2017 13:45 | 143100 | 11.893 | 16.983 | 27.46  | 1889.674 | 2231.36  | 1.154 | 1.517 | 529.192 | 1 | 14.726 |
| 10/6/2017 14:00 | 144000 | 11.899 | 16.983 | 27.475 | 1889.683 | 2231.357 | 1.154 | 1.517 | 529.189 | 1 | 14.717 |
| 10/6/2017 14:15 | 144900 | 11.9   | 16.983 | 27.478 | 1889.858 | 2231.555 | 1.154 | 1.517 | 529.14  | 1 | 14.715 |
| 10/6/2017 14:30 | 145800 | 11.896 | 16.983 | 27.467 | 1889.469 | 2231.131 | 1.154 | 1.517 | 529.249 | 1 | 14.718 |
| 10/6/2017 14:45 | 146700 | 11.898 | 16.983 | 27.472 | 1889.98  | 2231.712 | 1.154 | 1.518 | 529.106 | 1 | 14.714 |
| 10/6/2017 15:00 | 147600 | 11.895 | 16.983 | 27.466 | 1889.753 | 2231.452 | 1.154 | 1.517 | 529.17  | 1 | 14.715 |
| 10/6/2017 15:15 | 148500 | 11.9   | 16.983 | 27.476 | 1889.775 | 2231.488 | 1.154 | 1.517 | 529.164 | 1 | 14.71  |
| 10/6/2017 15:30 | 149400 | 11.895 | 16.983 | 27.466 | 1889.857 | 2231.575 | 1.154 | 1.517 | 529.141 | 1 | 14.714 |
| 10/6/2017 15:45 | 150300 | 11.894 | 16.983 | 27.464 | 1889.777 | 2231.49  | 1.154 | 1.517 | 529.163 | 1 | 14.715 |
| 10/6/2017 16:00 | 151200 | 11.894 | 16.983 | 27.463 | 1889.823 | 2231.54  | 1.154 | 1.517 | 529.15  | 1 | 14.715 |
| 10/6/2017 16:15 | 152100 | 11.895 | 16.983 | 27.465 | 1889.779 | 2231.493 | 1.154 | 1.517 | 529.162 | 1 | 14.713 |
| 10/6/2017 16:30 | 153000 | 11.898 | 16.983 | 27.472 | 1889.706 | 2231.397 | 1.154 | 1.517 | 529.183 | 1 | 14.709 |
| 10/6/2017 16:45 | 153900 | 11.895 | 16.983 | 27.465 | 1889.858 | 2231.581 | 1.154 | 1.517 | 529.14  | 1 | 14.711 |
| 10/6/2017 17:00 | 154800 | 11.892 | 16.983 | 27.459 | 1889.839 | 2231.576 | 1.154 | 1.517 | 529.146 | 1 | 14.713 |
| 10/6/2017 17:15 | 155700 | 11.896 | 16.983 | 27.467 | 1890.12  | 2231.9   | 1.154 | 1.518 | 529.067 | 1 | 14.71  |
| 10/6/2017 17:30 | 156600 | 11.899 | 16.982 | 27.475 | 1889.813 | 2231.551 | 1.154 | 1.517 | 529.153 | 1 | 14.707 |
| 10/6/2017 17:45 | 157500 | 11.891 | 16.983 | 27.457 | 1889.948 | 2231.683 | 1.154 | 1.518 | 529.115 | 1 | 14.714 |
| 10/6/2017 18:00 | 158400 | 11.901 | 16.982 | 27.479 | 1889.887 | 2231.633 | 1.154 | 1.518 | 529.132 | 1 | 14.705 |
| 10/6/2017 18:15 | 159300 | 11.895 | 16.982 | 27.465 | 1890.01  | 2231.773 | 1.154 | 1.518 | 529.098 | 1 | 14.712 |
| 10/6/2017 18:30 | 160200 | 11.895 | 16.983 | 27.465 | 1890.027 | 2231.775 | 1.154 | 1.518 | 529.093 | 1 | 14.713 |
| 10/6/2017 18:45 | 161100 | 11.896 | 16.983 | 27.468 | 1889.902 | 2231.643 | 1.154 | 1.518 | 529.128 | 1 | 14.71  |
| 10/6/2017 19:00 | 162000 | 11.896 | 16.982 | 27.468 | 1890.12  | 2231.913 | 1.154 | 1.518 | 529.067 | 1 | 14.711 |
| 10/6/2017 19:15 | 162900 | 11.902 | 16.983 | 27.481 | 1889.954 | 2231.682 | 1.154 | 1.518 | 529.113 | 1 | 14.705 |
| 10/6/2017 19:30 | 163800 | 11.892 | 16.983 | 27.458 | 1890.026 | 2231.785 | 1.154 | 1.518 | 529.093 | 1 | 14.714 |
| 10/6/2017 19:45 | 164700 | 11.901 | 16.982 | 27.479 | 1890.116 | 2231.903 | 1.154 | 1.518 | 529.068 | 1 | 14.708 |
| 10/6/2017 20:00 | 165600 | 11.894 | 16.983 | 27.462 | 1890.161 | 2231.925 | 1.154 | 1.518 | 529.055 | 1 | 14.715 |
| 10/6/2017 20:15 | 166500 | 11.891 | 16.982 | 27.456 | 1889.914 | 2231.67  | 1.154 | 1.518 | 529.125 | 1 | 14.719 |
| 10/6/2017 20:30 | 167400 | 11.896 | 16.982 | 27.467 | 1889.917 | 2231.691 | 1.154 | 1.518 | 529.124 | 1 | 14.713 |
| 10/6/2017 20:45 | 168300 | 11.897 | 16.982 | 27.47  | 1890.12  | 2231.935 | 1.154 | 1.518 | 529.067 | 1 | 14.713 |
| 10/6/2017 21:00 | 169200 | 11.897 | 16.982 | 27.469 | 1890.144 | 2231.964 | 1.154 | 1.518 | 529.06  | 1 | 14.713 |
| 10/6/2017 21:15 | 170100 | 11.898 | 16.983 | 27.473 | 1889.97  | 2231.718 | 1.154 | 1.518 | 529.109 | 1 | 14.713 |
| 10/6/2017 21:30 | 171000 | 11.895 | 16.982 | 27.465 | 1889.877 | 2231.526 | 1.154 | 1.517 | 529.146 | 1 | 14.716 |
| 10/6/2017 21:45 | 171900 | 11.893 | 16.982 | 27.461 | 1889.944 | 2231.718 | 1.154 | 1.518 | 529.116 | 1 | 14.719 |
| 10/6/2017 22:00 | 17     |        |        |        |          |          |       |       |         |   |        |

|                 |        |        |        |        |          |          |       |       |         |   |        |
|-----------------|--------|--------|--------|--------|----------|----------|-------|-------|---------|---|--------|
| 10/8/2017 5:00  | 284400 | 11.909 | 16.981 | 27.497 | 1890.877 | 2232.873 | 1.155 | 1.518 | 528.855 | 1 | 14.629 |
| 10/8/2017 5:15  | 285300 | 11.913 | 16.981 | 27.507 | 1891.01  | 2233.021 | 1.155 | 1.518 | 528.818 | 1 | 14.624 |
| 10/8/2017 5:30  | 286200 | 11.905 | 16.981 | 27.487 | 1890.748 | 2232.717 | 1.155 | 1.518 | 528.891 | 1 | 14.632 |
| 10/8/2017 5:45  | 287100 | 11.909 | 16.981 | 27.498 | 1891.057 | 2233.094 | 1.155 | 1.519 | 528.805 | 1 | 14.627 |
| 10/8/2017 6:00  | 288000 | 11.907 | 16.981 | 27.492 | 1891.043 | 2233.06  | 1.155 | 1.518 | 528.809 | 1 | 14.631 |
| 10/8/2017 6:15  | 288900 | 11.902 | 16.981 | 27.48  | 1891.192 | 2233.253 | 1.155 | 1.519 | 528.767 | 1 | 14.637 |
| 10/8/2017 6:30  | 289800 | 11.906 | 16.981 | 27.49  | 1891.192 | 2233.217 | 1.155 | 1.519 | 528.772 | 1 | 14.631 |
| 10/8/2017 6:45  | 290700 | 11.902 | 16.981 | 27.48  | 1891.138 | 2233.172 | 1.155 | 1.519 | 528.782 | 1 | 14.636 |
| 10/8/2017 7:00  | 291600 | 11.902 | 16.981 | 27.48  | 1891.164 | 2233.212 | 1.155 | 1.519 | 528.775 | 1 | 14.637 |
| 10/8/2017 7:15  | 292500 | 11.906 | 16.981 | 27.491 | 1890.935 | 2232.933 | 1.155 | 1.518 | 528.839 | 1 | 14.633 |
| 10/8/2017 7:30  | 293400 | 11.907 | 16.981 | 27.493 | 1891.053 | 2233.08  | 1.155 | 1.518 | 528.806 | 1 | 14.631 |
| 10/8/2017 7:45  | 294300 | 11.903 | 16.981 | 27.485 | 1891.035 | 2233.051 | 1.155 | 1.518 | 528.811 | 1 | 14.636 |
| 10/8/2017 8:00  | 295200 | 11.907 | 16.981 | 27.492 | 1891.129 | 2233.149 | 1.155 | 1.519 | 528.785 | 1 | 14.634 |
| 10/8/2017 8:15  | 296100 | 11.908 | 16.981 | 27.496 | 1891.031 | 2233.06  | 1.155 | 1.518 | 528.812 | 1 | 14.632 |
| 10/8/2017 8:30  | 297000 | 11.901 | 16.981 | 27.48  | 1891.1   | 2233.124 | 1.155 | 1.519 | 528.793 | 1 | 14.639 |
| 10/8/2017 8:45  | 297900 | 11.901 | 16.981 | 27.48  | 1891.271 | 2233.33  | 1.155 | 1.519 | 528.745 | 1 | 14.64  |
| 10/8/2017 9:00  | 298800 | 11.903 | 16.981 | 27.485 | 1890.913 | 2232.924 | 1.155 | 1.518 | 528.845 | 1 | 14.639 |
| 10/8/2017 9:15  | 299700 | 11.904 | 16.981 | 27.486 | 1891.093 | 2233.119 | 1.155 | 1.519 | 528.795 | 1 | 14.64  |
| 10/8/2017 9:30  | 300600 | 11.906 | 16.981 | 27.492 | 1891.113 | 2233.161 | 1.155 | 1.519 | 528.789 | 1 | 14.639 |
| 10/8/2017 9:45  | 301500 | 11.901 | 16.981 | 27.479 | 1891.166 | 2233.232 | 1.155 | 1.519 | 528.774 | 1 | 14.644 |
| 10/8/2017 10:00 | 302400 | 11.908 | 16.981 | 27.495 | 1891.106 | 2233.157 | 1.155 | 1.519 | 528.791 | 1 | 14.636 |
| 10/8/2017 10:15 | 303300 | 11.906 | 16.981 | 27.489 | 1891.252 | 2233.316 | 1.155 | 1.519 | 528.75  | 1 | 14.637 |
| 10/8/2017 10:30 | 304200 | 11.911 | 16.981 | 27.501 | 1890.995 | 2233.021 | 1.155 | 1.518 | 528.822 | 1 | 14.629 |
| 10/8/2017 10:45 | 305100 | 11.908 | 16.981 | 27.494 | 1891.415 | 2233.508 | 1.155 | 1.519 | 528.705 | 1 | 14.631 |
| 10/8/2017 11:00 | 306000 | 11.902 | 16.981 | 27.482 | 1891.402 | 2233.501 | 1.155 | 1.519 | 528.708 | 1 | 14.635 |
| 10/8/2017 11:15 | 306900 | 11.908 | 16.981 | 27.495 | 1891.142 | 2233.191 | 1.155 | 1.519 | 528.781 | 1 | 14.627 |
| 10/8/2017 11:30 | 307800 | 11.905 | 16.981 | 27.488 | 1891.163 | 2233.207 | 1.155 | 1.519 | 528.775 | 1 | 14.63  |
| 10/8/2017 11:45 | 308700 | 11.904 | 16.981 | 27.485 | 1891.248 | 2233.325 | 1.155 | 1.519 | 528.751 | 1 | 14.63  |
| 10/8/2017 12:00 | 309600 | 11.906 | 16.981 | 27.49  | 1891.367 | 2233.465 | 1.155 | 1.519 | 528.718 | 1 | 14.626 |
| 10/8/2017 12:15 | 310500 | 11.904 | 16.981 | 27.486 | 1891.123 | 2233.181 | 1.155 | 1.519 | 528.786 | 1 | 14.625 |
| 10/8/2017 12:30 | 311400 | 11.899 | 16.981 | 27.474 | 1891.3   | 2233.881 | 1.155 | 1.519 | 528.737 | 1 | 14.63  |
| 10/8/2017 12:45 | 312300 | 11.901 | 16.981 | 27.478 | 1891.408 | 2233.5   | 1.155 | 1.519 | 528.707 | 1 | 14.628 |
| 10/8/2017 13:00 | 313200 | 11.899 | 16.981 | 27.474 | 1891.485 | 2233.608 | 1.155 | 1.519 | 528.685 | 1 | 14.629 |
| 10/8/2017 13:15 | 314100 | 11.906 | 16.981 | 27.49  | 1891.176 | 2233.231 | 1.155 | 1.519 | 528.772 | 1 | 14.623 |
| 10/8/2017 13:30 | 315000 | 11.907 | 16.981 | 27.492 | 1891.368 | 2233.461 | 1.155 | 1.519 | 528.718 | 1 | 14.62  |
| 10/8/2017 13:45 | 315900 | 11.913 | 16.981 | 27.506 | 1891.42  | 2233.519 | 1.155 | 1.519 | 528.703 | 1 | 14.613 |
| 10/8/2017 14:00 | 316800 | 11.901 | 16.981 | 27.479 | 1891.364 | 2233.456 | 1.155 | 1.519 | 528.719 | 1 | 14.623 |
| 10/8/2017 14:15 | 317700 | 11.904 | 16.981 | 27.486 | 1891.271 | 2233.33  | 1.155 | 1.519 | 528.745 | 1 | 14.619 |
| 10/8/2017 14:30 | 318600 | 11.904 | 16.981 | 27.487 | 1891.453 | 2233.558 | 1.155 | 1.519 | 528.694 | 1 | 14.617 |
| 10/8/2017 14:45 | 319500 | 11.907 | 16.981 | 27.492 | 1891.22  | 2233.257 | 1.155 | 1.519 | 528.759 | 1 | 14.613 |
| 10/8/2017 15:00 | 320400 | 11.913 | 16.981 | 27.506 | 1891.596 | 2233.7   | 1.155 | 1.519 | 528.654 | 1 | 14.607 |
| 10/8/2017 15:15 | 321300 | 11.903 | 16.981 | 27.484 | 1891.374 | 2233.465 | 1.155 | 1.519 | 528.716 | 1 | 14.613 |
| 10/8/2017 15:30 | 322200 | 11.902 | 16.981 | 27.48  | 1891.418 | 2233.49  | 1.155 | 1.519 | 528.704 | 1 | 14.613 |
| 10/8/2017 15:45 | 323100 | 11.907 | 16.981 | 27.492 | 1891.403 | 2233.494 | 1.155 | 1.519 | 528.708 | 1 | 14.608 |
| 10/8/2017 16:00 | 324000 | 11.907 | 16.981 | 27.492 | 1891.474 | 2233.578 | 1.155 | 1.519 | 528.688 | 1 | 14.608 |
| 10/8/2017 16:15 | 324900 | 11.904 | 16.981 | 27.486 | 1891.576 | 2233.698 | 1.155 | 1.519 | 528.66  | 1 | 14.611 |
| 10/8/2017 16:30 | 325800 | 11.907 | 16.981 | 27.494 | 1891.272 | 2233.331 | 1.155 | 1.519 | 528.745 | 1 | 14.607 |
| 10/8/2017 16:45 | 326700 | 11.904 | 16.981 | 27.485 | 1891.479 | 2233.566 | 1.155 | 1.519 | 528.687 | 1 | 14.611 |
| 10/8/2017 17:00 | 327600 | 11.901 | 16.981 | 27.48  | 1891.599 | 2233.714 | 1.155 | 1.519 | 528.653 | 1 | 14.611 |
| 10/8/2017 17:15 | 328500 | 11.905 | 16.981 | 27.488 | 1891.672 | 2233.79  | 1.155 | 1.519 | 528.633 | 1 | 14.61  |
| 10/8/2017 17:30 | 329400 | 11.906 | 16.981 | 27.492 | 1891.398 | 2233.493 | 1.155 | 1.519 | 528.71  | 1 | 14.606 |
| 10/8/2017 17:45 | 330300 | 11.901 | 16.981 | 27.48  | 1891.691 | 2233.848 | 1.155 | 1.519 | 528.628 | 1 | 14.612 |
| 10/8/2017 18:00 | 331200 | 11.916 | 16.981 | 27.513 | 1891.574 | 2233.678 | 1.155 | 1.519 | 528.66  | 1 | 14.602 |
| 10/8/2017 18:15 | 332100 | 11.908 | 16.981 | 27.495 | 1891.582 | 2233.684 | 1.155 | 1.519 | 528.658 | 1 | 14.609 |
| 10/8/2017 18:30 | 333000 | 11.914 | 16.982 | 27.508 | 1891.661 | 2233.746 | 1.155 | 1.519 | 528.636 | 1 | 14.599 |
| 10/8/2017 18:45 | 333900 | 11.908 | 16.982 | 27.496 | 1891.637 | 2233.739 | 1.155 | 1.519 | 528.643 | 1 | 14.605 |
| 10/8/2017 19:00 | 334800 | 11.899 | 16.982 | 27.475 | 1891.678 | 2233.771 | 1.155 | 1.519 | 528.631 | 1 | 14.615 |
| 10/8/2017 19:15 | 335700 | 11.909 | 16.982 | 27.498 | 1891.631 | 2233.702 | 1.155 | 1.519 | 528.644 | 1 | 14.611 |
| 10/8/2017 19:30 | 336600 | 11.903 | 16.982 | 27.483 | 1891.455 | 2233.516 | 1.155 | 1.519 | 528.694 | 1 | 14.614 |
| 10/8/2017 19:45 | 337500 | 11.9   | 16.982 | 27.476 | 1891.908 | 2234.042 | 1.155 | 1.519 | 528.567 | 1 | 14.616 |
| 10/8/2017 20:00 | 338400 | 11.901 | 16.982 | 27.479 | 1891.579 | 2233.849 | 1.155 | 1.519 | 528.659 | 1 | 14.616 |
| 10/8/2017 20:15 | 339300 | 11.903 | 16.982 | 27.483 | 1891.887 | 2234.022 | 1.155 | 1.519 | 528.573 | 1 | 14.615 |
| 10/8/2017 20:30 | 340200 | 11.908 | 16.982 | 27.496 | 1891.786 | 2233.894 | 1.155 | 1.519 | 528.601 | 1 | 14.611 |
| 10/8/2017 20:45 | 341100 | 11.914 | 16.981 | 27.509 | 1891.683 | 2233.803 | 1.155 | 1.519 | 528.63  | 1 | 14.606 |
| 10/8/2017 21:00 | 342000 | 11.909 | 16.982 | 27.496 | 1891.805 | 2233.934 | 1.155 | 1.519 | 528.596 | 1 | 14.611 |
| 10/8/2017 21:15 | 342900 | 11.91  | 16.981 | 27.5   | 1892.009 | 2234.197 | 1.155 | 1.519 | 528.539 | 1 | 14.612 |
| 10/8/2017 21:30 | 343800 | 11.908 | 16.981 | 27.496 | 1891.932 | 2234.114 | 1.155 | 1.519 | 528.56  | 1 | 14.614 |
| 10/8/2017 21:45 | 344700 | 11.913 | 16.981 | 27.506 | 1891.723 | 2233.845 | 1.155 | 1.519 | 528.619 | 1 | 14.615 |
| 10/8/2017 22:00 | 345600 | 11.908 | 16.981 | 27.496 | 1891.818 | 2234.002 | 1.155 | 1.519 | 528.592 | 1 | 14.615 |
| 10/8/2017 22:15 | 346500 | 11.903 | 16.981 | 27.483 | 1891.678 | 2233.81  | 1.155 | 1.519 | 528.631 | 1 | 14.622 |
| 10/8/2017 22:30 | 347400 | 11.903 | 16.98  | 27.485 | 1891.835 | 2234.031 | 1.155 | 1.519 | 528.587 | 1 | 14.621 |
| 10/8/2017 22:45 | 348300 | 11.904 | 16.981 | 27.486 | 1891.988 | 2234.167 | 1.155 | 1.519 | 528.545 | 1 | 14.622 |
| 10/8/2017 23:00 | 349200 | 11.901 | 16.981 | 27.479 | 1892.049 | 2234.248 | 1.155 | 1.519 | 528.528 | 1 | 14.626 |
| 10/8/2017 23:15 | 350100 | 11.906 | 16.981 | 27.49  | 1891.821 | 2233.49  | 1.155 | 1.519 | 528.551 | 1 | 14.623 |
| 10/8/2017 23:30 | 351000 | 11.907 | 16.982 | 27.493 | 1892.005 | 2234.174 | 1.155 | 1.519 | 528.54  | 1 | 14.624 |
| 10/8/2017 23:45 | 351900 | 11.903 | 16.981 | 27.483 | 1892.108 | 2234.308 | 1.155 | 1.519 | 528.511 | 1 | 14.631 |
| 10/9/2017 0:00  | 352800 | 11.909 | 16.981 | 27.497 | 1892.03  | 2234.208 | 1.155 | 1.519 | 528.533 | 1 | 14.624 |
| 10/9/2017 0:15  | 353700 | 11.904 | 16.981 | 27.485 | 1891.908 | 2234.069 | 1.155 | 1.519 | 528.567 | 1 | 14.63  |
| 10/9/2017 0:30  | 354600 | 11.907 | 16.981 | 27.492 | 1891.778 | 2233.918 | 1.155 | 1.519 | 528.603 | 1 | 14.629 |
| 10/9/2017 0:45  | 355500 | 11.906 | 16.981 | 27.49  | 1891.748 | 2233.875 | 1.155 | 1.519 | 528.612 | 1 | 14.63  |
| 10/9/2017 1:00  | 356400 | 11.908 | 16.982 | 27.496 | 1892.03  | 2234.204 | 1.155 | 1.519 | 528.533 | 1 | 14.625 |
| 10/9/2017 1:15  | 357300 | 11.906 | 16.982 | 27.492 | 1891.977 | 2234.133 | 1.155 | 1.519 | 528.548 | 1 | 14.628 |
| 10/9/2017 1:30  | 358200 | 11.912 | 16.982 | 27.504 | 1892.21  | 2234.394 | 1.156 | 1.519 | 528.483 | 1 | 14.623 |
| 10/9/2017 1:45  | 359100 | 11.907 | 16.982 | 27.493 | 1892.225 | 2234.42  | 1.156 | 1.519 | 528.478 | 1 | 14.628 |
| 10/9/2017 2:00  | 360000 | 11.901 | 16.982 | 27.478 | 1892.054 | 2234.232 | 1.155 | 1.519 | 528.526 | 1 | 14.634 |
| 10/9/2017 2:15  | 360900 | 11.907 | 16.982 | 27.494 | 1891.916 | 2234.06  | 1.155 | 1.519 | 528.565 | 1 | 14.628 |
| 10/9/2017 2:30  | 361800 | 11.905 | 16.982 | 27.487 | 1892.285 | 2234.487 | 1.156 | 1.519 | 528.462 | 1 | 14.631 |
| 10/9            |        |        |        |        |          |          |       |       |         |   |        |

|                  |        |        |        |        |          |          |       |       |         |   |        |
|------------------|--------|--------|--------|--------|----------|----------|-------|-------|---------|---|--------|
| 10/10/2017 9:45  | 474300 | 11.9   | 16.981 | 27.476 | 1895.176 | 2237.946 | 1.157 | 1.522 | 527.655 | 1 | 14.699 |
| 10/10/2017 10:00 | 475200 | 11.905 | 16.981 | 27.489 | 1895.146 | 2237.905 | 1.157 | 1.522 | 527.664 | 1 | 14.693 |
| 10/10/2017 10:15 | 476100 | 11.9   | 16.981 | 27.476 | 1895.174 | 2237.961 | 1.157 | 1.522 | 527.656 | 1 | 14.697 |
| 10/10/2017 10:30 | 477000 | 11.899 | 16.981 | 27.474 | 1895.242 | 2238.036 | 1.158 | 1.522 | 527.637 | 1 | 14.696 |
| 10/10/2017 10:45 | 477900 | 11.894 | 16.981 | 27.462 | 1895.179 | 2237.944 | 1.157 | 1.522 | 527.655 | 1 | 14.7   |
| 10/10/2017 11:00 | 478800 | 11.9   | 16.981 | 27.476 | 1895.17  | 2237.924 | 1.157 | 1.522 | 527.657 | 1 | 14.694 |
| 10/10/2017 11:15 | 479700 | 11.894 | 16.981 | 27.463 | 1895.347 | 2238.129 | 1.158 | 1.522 | 527.608 | 1 | 14.698 |
| 10/10/2017 11:30 | 480600 | 11.895 | 16.981 | 27.465 | 1895.172 | 2237.932 | 1.157 | 1.522 | 527.657 | 1 | 14.698 |
| 10/10/2017 11:45 | 481500 | 11.893 | 16.981 | 27.46  | 1895.229 | 2238.012 | 1.158 | 1.522 | 527.641 | 1 | 14.699 |
| 10/10/2017 12:00 | 482400 | 11.897 | 16.981 | 27.471 | 1895.024 | 2237.757 | 1.157 | 1.522 | 527.698 | 1 | 14.698 |
| 10/10/2017 12:15 | 483300 | 11.896 | 16.981 | 27.468 | 1895.399 | 2238.195 | 1.158 | 1.522 | 527.593 | 1 | 14.697 |
| 10/10/2017 12:30 | 484200 | 11.892 | 16.981 | 27.459 | 1895.257 | 2238.051 | 1.158 | 1.522 | 527.633 | 1 | 14.7   |
| 10/10/2017 12:45 | 485100 | 11.898 | 16.981 | 27.473 | 1895.265 | 2238.046 | 1.158 | 1.522 | 527.631 | 1 | 14.692 |
| 10/10/2017 13:00 | 486000 | 11.896 | 16.98  | 27.469 | 1895.242 | 2238.049 | 1.158 | 1.522 | 527.637 | 1 | 14.694 |
| 10/10/2017 13:15 | 486900 | 11.892 | 16.981 | 27.458 | 1895.325 | 2238.121 | 1.158 | 1.522 | 527.614 | 1 | 14.697 |
| 10/10/2017 13:30 | 487800 | 11.896 | 16.981 | 27.468 | 1895.142 | 2237.914 | 1.157 | 1.522 | 527.665 | 1 | 14.69  |
| 10/10/2017 13:45 | 488700 | 11.901 | 16.981 | 27.479 | 1895.213 | 2237.993 | 1.157 | 1.522 | 527.645 | 1 | 14.686 |
| 10/10/2017 14:00 | 489600 | 11.893 | 16.98  | 27.462 | 1895.456 | 2238.303 | 1.158 | 1.522 | 527.577 | 1 | 14.692 |
| 10/10/2017 14:15 | 490500 | 11.896 | 16.98  | 27.468 | 1895.297 | 2238.115 | 1.158 | 1.522 | 527.622 | 1 | 14.688 |
| 10/10/2017 14:30 | 491400 | 11.896 | 16.981 | 27.468 | 1895.451 | 2238.279 | 1.158 | 1.522 | 527.579 | 1 | 14.685 |
| 10/10/2017 14:45 | 492300 | 11.896 | 16.981 | 27.466 | 1895.613 | 2238.462 | 1.158 | 1.522 | 527.534 | 1 | 14.686 |
| 10/10/2017 15:00 | 493200 | 11.895 | 16.981 | 27.466 | 1895.524 | 2238.343 | 1.158 | 1.522 | 527.559 | 1 | 14.687 |
| 10/10/2017 15:15 | 494100 | 11.899 | 16.981 | 27.476 | 1895.403 | 2238.214 | 1.158 | 1.522 | 527.592 | 1 | 14.682 |
| 10/10/2017 15:30 | 495000 | 11.899 | 16.981 | 27.475 | 1895.306 | 2238.085 | 1.158 | 1.522 | 527.619 | 1 | 14.685 |
| 10/10/2017 15:45 | 495900 | 11.893 | 16.981 | 27.46  | 1895.334 | 2238.132 | 1.158 | 1.522 | 527.611 | 1 | 14.691 |
| 10/10/2017 16:00 | 496800 | 11.9   | 16.981 | 27.477 | 1895.646 | 2238.51  | 1.158 | 1.522 | 527.525 | 1 | 14.683 |
| 10/10/2017 16:15 | 497700 | 11.896 | 16.981 | 27.467 | 1895.728 | 2238.597 | 1.158 | 1.522 | 527.502 | 1 | 14.687 |
| 10/10/2017 16:30 | 498600 | 11.893 | 16.981 | 27.46  | 1895.371 | 2238.176 | 1.158 | 1.522 | 527.601 | 1 | 14.69  |
| 10/10/2017 16:45 | 499500 | 11.895 | 16.98  | 27.465 | 1895.58  | 2238.453 | 1.158 | 1.522 | 527.543 | 1 | 14.69  |
| 10/10/2017 17:00 | 500400 | 11.895 | 16.98  | 27.465 | 1895.439 | 2238.282 | 1.158 | 1.522 | 527.582 | 1 | 14.69  |
| 10/10/2017 17:15 | 501300 | 11.897 | 16.98  | 27.469 | 1895.663 | 2238.556 | 1.158 | 1.522 | 527.52  | 1 | 14.689 |
| 10/10/2017 17:30 | 502200 | 11.903 | 16.98  | 27.484 | 1895.691 | 2238.584 | 1.158 | 1.522 | 527.512 | 1 | 14.683 |
| 10/10/2017 17:45 | 503100 | 11.9   | 16.981 | 27.477 | 1895.446 | 2238.281 | 1.158 | 1.522 | 527.58  | 1 | 14.685 |
| 10/10/2017 18:00 | 504000 | 11.897 | 16.981 | 27.469 | 1895.541 | 2238.385 | 1.158 | 1.522 | 527.554 | 1 | 14.689 |
| 10/10/2017 18:15 | 504900 | 11.898 | 16.981 | 27.472 | 1895.496 | 2238.336 | 1.158 | 1.522 | 527.566 | 1 | 14.687 |
| 10/10/2017 18:30 | 505800 | 11.9   | 16.981 | 27.478 | 1895.597 | 2238.464 | 1.158 | 1.522 | 527.538 | 1 | 14.689 |
| 10/10/2017 18:45 | 506700 | 11.901 | 16.981 | 27.478 | 1895.542 | 2238.373 | 1.158 | 1.522 | 527.553 | 1 | 14.693 |
| 10/10/2017 19:00 | 507600 | 11.901 | 16.981 | 27.478 | 1895.728 | 2238.619 | 1.158 | 1.522 | 527.502 | 1 | 14.688 |
| 10/10/2017 19:15 | 508500 | 11.901 | 16.981 | 27.48  | 1895.749 | 2238.64  | 1.158 | 1.522 | 527.496 | 1 | 14.693 |
| 10/10/2017 19:30 | 509400 | 11.896 | 16.981 | 27.469 | 1895.501 | 2238.333 | 1.158 | 1.522 | 527.565 | 1 | 14.692 |
| 10/10/2017 19:45 | 510300 | 11.894 | 16.98  | 27.462 | 1895.39  | 2238.228 | 1.158 | 1.522 | 527.596 | 1 | 14.696 |
| 10/10/2017 20:00 | 511200 | 11.899 | 16.981 | 27.475 | 1895.75  | 2238.645 | 1.158 | 1.522 | 527.496 | 1 | 14.691 |
| 10/10/2017 20:15 | 512100 | 11.902 | 16.98  | 27.482 | 1895.52  | 2238.4   | 1.158 | 1.522 | 527.56  | 1 | 14.689 |
| 10/10/2017 20:30 | 513000 | 11.891 | 16.98  | 27.455 | 1895.817 | 2238.733 | 1.158 | 1.522 | 527.477 | 1 | 14.701 |
| 10/10/2017 20:45 | 513900 | 11.899 | 16.981 | 27.474 | 1895.71  | 2238.597 | 1.158 | 1.522 | 527.507 | 1 | 14.693 |
| 10/10/2017 21:00 | 514800 | 11.899 | 16.98  | 27.475 | 1895.479 | 2238.334 | 1.158 | 1.522 | 527.571 | 1 | 14.691 |
| 10/10/2017 21:15 | 515700 | 11.897 | 16.98  | 27.47  | 1895.849 | 2238.766 | 1.158 | 1.522 | 527.468 | 1 | 14.694 |
| 10/10/2017 21:30 | 516600 | 11.896 | 16.981 | 27.468 | 1895.793 | 2238.695 | 1.158 | 1.522 | 527.484 | 1 | 14.696 |
| 10/10/2017 21:45 | 517500 | 11.899 | 16.98  | 27.475 | 1895.82  | 2238.795 | 1.158 | 1.522 | 527.476 | 1 | 14.695 |
| 10/10/2017 22:00 | 518400 | 11.897 | 16.98  | 27.471 | 1895.625 | 2238.515 | 1.158 | 1.522 | 527.53  | 1 | 14.696 |
| 10/10/2017 22:15 | 519300 | 11.898 | 16.98  | 27.473 | 1895.963 | 2238.91  | 1.158 | 1.522 | 527.437 | 1 | 14.696 |
| 10/10/2017 22:30 | 520200 | 11.897 | 16.98  | 27.469 | 1895.871 | 2238.797 | 1.158 | 1.522 | 527.462 | 1 | 14.699 |
| 10/10/2017 22:45 | 521100 | 11.896 | 16.98  | 27.468 | 1895.566 | 2238.432 | 1.158 | 1.522 | 527.547 | 1 | 14.701 |
| 10/10/2017 23:00 | 522000 | 11.895 | 16.98  | 27.465 | 1895.915 | 2238.854 | 1.158 | 1.522 | 527.45  | 1 | 14.703 |
| 10/10/2017 23:15 | 522900 | 11.893 | 16.98  | 27.46  | 1896.056 | 2239.024 | 1.158 | 1.523 | 527.411 | 1 | 14.706 |
| 10/10/2017 23:30 | 523800 | 11.894 | 16.98  | 27.462 | 1895.794 | 2238.71  | 1.158 | 1.522 | 527.484 | 1 | 14.704 |
| 10/10/2017 23:45 | 524700 | 11.898 | 16.981 | 27.472 | 1895.624 | 2238.487 | 1.158 | 1.522 | 527.531 | 1 | 14.702 |
| 10/11/2017 0:00  | 525600 | 11.898 | 16.98  | 27.471 | 1895.831 | 2238.763 | 1.158 | 1.522 | 527.473 | 1 | 14.703 |
| 10/11/2017 0:15  | 526500 | 11.896 | 16.98  | 27.469 | 1895.937 | 2238.888 | 1.158 | 1.522 | 527.444 | 1 | 14.704 |
| 10/11/2017 0:30  | 527400 | 11.897 | 16.98  | 27.47  | 1895.666 | 2238.56  | 1.158 | 1.522 | 527.519 | 1 | 14.705 |
| 10/11/2017 0:45  | 528300 | 11.9   | 16.98  | 27.476 | 1895.794 | 2238.714 | 1.158 | 1.522 | 527.484 | 1 | 14.702 |
| 10/11/2017 1:00  | 529200 | 11.898 | 16.98  | 27.471 | 1895.912 | 2238.94  | 1.158 | 1.522 | 527.451 | 1 | 14.703 |
| 10/11/2017 1:15  | 530100 | 11.897 | 16.98  | 27.47  | 1895.757 | 2238.68  | 1.158 | 1.522 | 527.494 | 1 | 14.703 |
| 10/11/2017 1:30  | 531000 | 11.899 | 16.981 | 27.474 | 1895.978 | 2238.911 | 1.158 | 1.522 | 527.432 | 1 | 14.706 |
| 10/11/2017 1:45  | 531900 | 11.899 | 16.98  | 27.475 | 1895.807 | 2238.748 | 1.158 | 1.522 | 527.48  | 1 | 14.699 |
| 10/11/2017 2:00  | 532800 | 11.896 | 16.98  | 27.468 | 1895.785 | 2238.713 | 1.158 | 1.522 | 527.486 | 1 | 14.702 |
| 10/11/2017 2:15  | 533700 | 11.9   | 16.98  | 27.477 | 1895.724 | 2238.618 | 1.158 | 1.522 | 527.503 | 1 | 14.697 |
| 10/11/2017 2:30  | 534600 | 11.896 | 16.98  | 27.468 | 1895.923 | 2238.943 | 1.158 | 1.522 | 527.448 | 1 | 14.704 |
| 10/11/2017 2:45  | 535500 | 11.896 | 16.98  | 27.467 | 1895.905 | 2238.845 | 1.158 | 1.522 | 527.453 | 1 | 14.701 |
| 10/11/2017 3:00  | 536400 | 11.904 | 16.98  | 27.485 | 1895.828 | 2238.763 | 1.158 | 1.522 | 527.474 | 1 | 14.69  |
| 10/11/2017 3:15  | 537300 | 11.903 | 16.98  | 27.483 | 1895.899 | 2238.834 | 1.158 | 1.522 | 527.454 | 1 | 14.689 |
| 10/11/2017 3:30  | 538200 | 11.894 | 16.98  | 27.464 | 1895.937 | 2238.91  | 1.158 | 1.522 | 527.444 | 1 | 14.695 |
| 10/11/2017 3:45  | 539100 | 11.904 | 16.98  | 27.487 | 1896.226 | 2239.242 | 1.158 | 1.523 | 527.363 | 1 | 14.684 |
| 10/11/2017 4:00  | 540000 | 11.898 | 16.98  | 27.473 | 1895.895 | 2238.943 | 1.158 | 1.522 | 527.455 | 1 | 14.695 |
| 10/11/2017 4:15  | 540900 | 11.9   | 16.98  | 27.477 | 1895.845 | 2238.77  | 1.158 | 1.522 | 527.469 | 1 | 14.688 |
| 10/11/2017 4:30  | 541800 | 11.896 | 16.98  | 27.469 | 1896.217 | 2239.228 | 1.158 | 1.523 | 527.366 | 1 | 14.692 |
| 10/11/2017 4:45  | 542700 | 11.9   | 16.981 | 27.476 | 1895.911 | 2238.831 | 1.158 | 1.522 | 527.451 | 1 | 14.687 |
| 10/11/2017 5:00  | 543600 | 11.902 | 16.98  | 27.482 | 1896.094 | 2239.056 | 1.158 | 1.523 | 527.4   | 1 | 14.686 |
| 10/11/2017 5:15  | 544500 | 11.9   | 16.981 | 27.477 | 1896.062 | 2239.001 | 1.158 | 1.523 | 527.409 | 1 | 14.687 |
| 10/11/2017 5:30  | 545400 | 11.9   | 16.98  | 27.477 | 1895.929 | 2238.76  | 1.158 | 1.522 | 527.446 | 1 | 14.687 |
| 10/11/2017 5:45  | 546300 | 11.896 | 16.98  | 27.467 | 1896.275 | 2239.269 | 1.158 | 1.523 | 527.35  | 1 | 14.691 |
| 10/11/2017 6:00  | 547200 | 11.893 | 16.98  | 27.46  | 1896.116 | 2239.082 | 1.158 | 1.523 | 527.394 | 1 | 14.694 |
| 10/11/2017 6:15  | 548100 | 11.898 | 16.981 | 27.471 | 1896.174 | 2239.141 | 1.158 | 1.523 | 527.378 | 1 | 14.692 |
| 10/11/2017 6:30  | 549000 | 11.894 | 16.981 | 27.463 | 1896.13  | 2239.082 | 1.158 | 1.523 | 527.39  | 1 | 14.695 |
| 10/11/2017 6:45  | 549900 | 11.895 | 16.98  | 27.466 | 1896.155 | 2239.131 | 1.158 | 1.523 | 527.383 | 1 | 14.695 |
| 10/11/2017 7:00  | 550800 | 11.894 | 16.981 | 27.464 | 1896.296 | 2239.274 | 1.158 | 1.523 | 527.347 | 1 | 14.695 |
| 10/11/2017 7:15  | 551700 | 11.893 | 16.981 | 27.462 | 1895.928 | 2238.847 | 1.158 | 1.522 | 527.4   |   |        |

Report Date: 10/13/2017 8:36  
Report User Name: WMassoll  
Report Computer Name: WKST52  
Application: WinSitu.exe  
Application Version: 5.6.27.1

Log File Properties  
File Name MPWSP MW-7D LT Test\_2017-10-12\_12-20-38-356-BaroMerge.wsl  
Create Date 10/13/2017 8:31

Device Properties  
Device Aqua TROLL 200  
Site MPWSP MW-7D  
Device Name  
Serial Number 441205  
Firmware Version 2.01  
Hardware Version 4  
Device Address 1  
Device Comm Cfg 19200 8 Even 1 (Modbus-RTU)  
Used Memory 0  
Used Battery 0

Log Configuration  
Log Name MPWSP MW-7D LT Test  
Created By CShaw  
Computer Name PROBOOK3  
Application WinSitu.exe  
Application Version 5.6.25.0  
Create Date 3/2/2016 4:37:54 PM Pacific Standard Time  
Log Setup Time Zone Pacific Standard Time  
Notes Size(bytes) 4096  
Overwrite when full Disabled  
Scheduled Start Time 3/2/2016 5:15:00 PM Pacific Standard Time  
Scheduled Stop Time No Stop Time  
Type Linear  
Interval Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation  
Level Measurement Mode Specific Gravity  
Depth 1.012

Other Log Settings  
Depth of Probe: 33.6308 (ft)  
Head Pressure: 14.7548 (PSI)  
Temperature: 16.8378 (C)  
Specific Conductivity Model: Standard Methods  
Reference Temperature: 25  
Temperature Coefficient: 0.0191  
TDS Factor: 0.68

Log Notes:  
Date and Time Note  
3/2/2016 16:38 Used Battery: 0% Used Memory: 1% User Name: CShaw  
3/2/2016 16:41 Sensor SN: 441205 Cache Timeout: 1000 User Name: CShaw  
3/2/2016 16:46 Device Taken Offline  
3/2/2016 16:47 Conductivity calibration.  
Sensor SN: 441205  
Cell Constant: 1.00383 Cell Offset: 0  
Reference Temperature: 25 Temperature Coefficient: 0.0191 User Name: CShaw  
3/2/2016 16:55 Device Put Online  
3/2/2016 16:55 Sensor SN: 441205 Cache Timeout: 1750 User Name: CShaw  
3/2/2016 17:20 Log Download - Used Battery: 0% Used Memory: 1% User Name: CShaw Interval - Start Time: 3/2/2016 4:15:00 PM Stop Time: 3/2/2016 5:15:00 PM  
3/2/2016 17:22 Log Download - Used Battery: 0% Used Memory: 1% User Name: CShaw Interval - Start Time: 3/2/2016 5:15:00 PM Stop Time: 3/2/2016 6:15:00 PM  
3/3/2016 11:51 Log Download - Used Battery: 0% Used Memory: 1% User Name: Skuiper Interval - Start Time: 1/31/2016 12:00:01 AM Stop Time: 3/3/2016 12:45:00 PM  
3/10/2016 7:39 Log Download - Used Battery: 1% Used Memory: 1% User Name: KMakar  
3/17/2016 13:42 Log Download - Used Battery: 1% Used Memory: 3% User Name: Skuiper Interval - Start Time: 3/8/2016 12:00:01 AM Stop Time: 3/17/2016 2:30:00 PM  
3/24/2016 9:43 Log Download - Used Battery: 2% Used Memory: 3% User Name: KMakar Interval - Start Time: 3/15/2016 12:00:00 PM Stop Time: 3/24/2016 9:45:00 AM  
3/31/2016 11:40 Log Download - Used Battery: 2% Used Memory: 4% User Name: Skuiper Interval - Start Time: 3/22/2016 12:00:00 PM Stop Time: 3/31/2016 12:30:00 PM  
4/7/2016 10:42 Log Download - Used Battery: 2% Used Memory: 4% User Name: KMakar Interval - Start Time: 2/29/2016 5:00:00 PM Stop Time: 4/7/2016 10:45:00 AM  
4/14/2016 8:52 Log Download - Used Battery: 3% Used Memory: 6% User Name: Skuiper Interval - Start Time: 4/5/2016 12:00:00 PM Stop Time: 4/14/2016 8:45:00 AM  
4/21/2016 9:43 Log Download - Used Battery: 3% Used Memory: 6% User Name: ELinden Interval - Start Time: 4/12/2016 1:30:00 PM Stop Time: 4/21/2016 10:30:00 AM  
4/28/2016 10:15 Log Download - Used Battery: 4% Used Memory: 7% User Name: KMakar Interval - Start Time: 4/19/2016 5:00:00 PM Stop Time: 4/28/2016 10:15:00 AM  
5/5/2016 8:24 Log Download - Used Battery: 4% Used Memory: 7% User Name: Skuiper Interval - Start Time: 3/31/2016 12:00:00 PM Stop Time: 5/5/2016 9:15:00 AM  
5/12/2016 8:54 Log Download - Used Battery: 4% Used Memory: 9% User Name: Skuiper Interval - Start Time: 5/3/2016 12:00:00 PM Stop Time: 5/12/2016 9:15:00 AM  
5/19/2016 11:58 Log Download - Used Battery: 5% Used Memory: 10% User Name: ELinden Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 12:45:00 PM  
5/26/2016 8:29 Log Download - Used Battery: 5% Used Memory: 10% User Name: Skuiper Interval - Start Time: 5/17/2016 6:00:00 AM Stop Time: 5/26/2016 9:15:00 AM  
6/2/2016 10:31 Log Download - Used Battery: 5% Used Memory: 12% User Name: Skuiper Interval - Start Time: 4/30/2016 10:00:00 PM Stop Time: 6/2/2016 10:30:00 AM  
6/9/2016 8:42 Log Download - Used Battery: 6% Used Memory: 12% User Name: CShaw Interval - Start Time: 5/31/2016 5:00:00 AM Stop Time: 6/9/2016 9:30:00 AM  
6/16/2016 10:04 Log Download - Used Battery: 8% Used Memory: 14% User Name: Skuiper Interval - Start Time: 6/7/2016 10:30:00 PM Stop Time: 6/16/2016 10:00:00 AM  
6/23/2016 9:23 Log Download - Used Battery: 6% Used Memory: 14% User Name: Skuiper Interval - Start Time: 6/15/2016 10:00:00 PM Stop Time: 6/23/2016 10:15:00 AM  
7/1/2016 10:43 Log Download - Used Battery: 7% Used Memory: 15% User Name: Skuiper Interval - Start Time: 5/31/2016 10:00:00 PM Stop Time: 7/1/2016 11:15:00 AM  
7/8/2016 11:06 Log Download - Used Battery: 7% Used Memory: 15% User Name: Skuiper Interval - Start Time: 6/29/2016 10:00:00 PM Stop Time: 7/8/2016 11:00:00 AM  
7/14/2016 16:05 Log Download - Used Battery: 8% Used Memory: 17% User Name: ELinden Interval - Start Time: 7/5/2016 12:00:00 PM Stop Time: 7/14/2016 5:00:00 PM  
7/21/2016 16:36 Log Download - Used Battery: 8% Used Memory: 17% User Name: Skuiper Interval - Start Time: 7/13/2016 10:00:00 PM Stop Time: 7/21/2016 4:30:00 PM  
7/28/2016 17:24 Log Download - Used Battery: 8% Used Memory: 18% User Name: Skuiper Interval - Start Time: 7/20/2016 10:00:00 PM Stop Time: 7/28/2016 6:15:00 PM  
8/4/2016 8:30 Log Download - Used Battery: 9% Used Memory: 18% User Name: Skuiper Interval - Start Time: 6/30/2016 10:00:00 PM Stop Time: 8/4/2016 9:00:00 PM  
8/11/2016 11:13 Log Download - Used Battery: 9% Used Memory: 20% User Name: ELinden Interval - Start Time: 8/3/2016 12:00:00 PM Stop Time: 8/11/2016 12:00:00 PM  
8/18/2016 14:35 Log Download - Used Battery: 9% Used Memory: 20% User Name: Skuiper Interval - Start Time: 8/10/2016 10:00:00 PM Stop Time: 8/18/2016 3:30:00 PM  
8/25/2016 13:14 Log Download - Used Battery: 10% Used Memory: 21% User Name: ELinden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 2:00:00 PM  
9/1/2016 9:47 Log Download - Used Battery: 10% Used Memory: 21% User Name: skuiper Interval - Start Time: 7/31/2016 10:00:00 PM Stop Time: 9/1/2016 9:45:00 AM  
9/8/2016 17:38 Log Download - Used Battery: 10% Used Memory: 23% User Name: Skuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/8/2016 5:45:00 PM  
9/15/2016 13:09 Log Download - Used Battery: 11% Used Memory: 23% User Name: ANorris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 1:45:00 PM  
9/22/2016 10:58 Log Download - Used Battery: 11% Used Memory: 25% User Name: ANorris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 11:45:00 AM  
10/1/2016 9:57 Log Download - Used Battery: 12% Used Memory: 26% User Name: ANorris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/1/2016 10:45:00 AM  
10/7/2016 16:10 Log Download - Used Battery: 12% Used Memory: 26% User Name: Skuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/7/2016 4:45:00 PM  
10/13/2016 15:34 Log Download - Used Battery: 12% Used Memory: 26% User Name: Skuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 4:15:00 PM  
10/20/2016 15:02 Log Download - Used Battery: 13% Used Memory: 28% User Name: Skuiper Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 3:00:00 PM  
10/27/2016 15:01 Log Download - Used Battery: 13% Used Memory: 29% User Name: Skuiper Interval - Start Time: 10/19/2016 10:00:00 PM Stop Time: 10/27/2016 3:45:00 PM  
11/3/2016 14:39 Log Download - Used Battery: 13% Used Memory: 29% User Name: Skuiper Interval - Start Time: 9/30/2016 10:00:00 PM Stop Time: 11/3/2016 3:30:00 PM  
11/10/2016 16:31 Log Download - Used Battery: 14% Used Memory: 31% User Name: Skuiper Interval - Start Time: 11/2/2016 10:00:00 PM Stop Time: 11/10/2016 4:30:00 PM  
11/17/2016 13:57 Log Download - Used Battery: 14% Used Memory: 31% User Name: Skuiper Interval - Start Time: 11/9/2016 10:00:00 PM Stop Time: 11/17/2016 2:45:00 PM  
11/24/2016 11:13 Log Download - Used Battery: 14% Used Memory: 32% User Name: Skuiper Interval - Start Time: 11/16/2016 10:00:00 PM Stop Time: 11/24/2016 11:30:00 AM  
12/1/2016 16:01 Log Download - Used Battery: 15% Used Memory: 32% User Name: Skuiper Interval - Start Time: 10/31/2016 10:00:00 PM Stop Time: 12/1/2016 4:45:00 PM  
12/9/2016 10:31 Log Download - Used Battery: 15% Used Memory: 34% User Name: Skuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 12/9/2016 10:30:00 AM  
12/15/2016 11:57 Log Download - Used Battery: 15% Used Memory: 34% User Name: Skuiper Interval - Start Time: 12/7/2016 10:00:00 PM Stop Time: 12/15/2016 11:45:00 AM  
12/22/2016 10:27 Log Download - Used Battery: 16% Used Memory: 35% User Name: ANorris Interval - Start Time: 12/14/2016 10:00:00 PM Stop Time: 12/22/2016 5:15:00 PM  
1/5/2017 11:31 Log Download - Used Battery: 16% Used Memory: 37% User Name: Skuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 1/5/2017 12:15:00 PM  
1/12/2017 15:17 Log Download - Used Battery: 17% Used Memory: 37% User Name: Skuiper Interval - Start Time: 1/4/2017 10:00:00 PM Stop Time: 1/12/2017 3:15:00 PM  
1/19/2017 12:55 Log Download - Used Battery: 17% Used Memory: 39% User Name: EHernandez Interval - Start Time: 1/11/2017 10:00:00 PM Stop Time: 1/19/2017 1:45:00 PM  
1/26/2017 8:31 Log Download - Used Battery: 18% Used Memory: 39% User Name: Skuiper Interval - Start Time: 1/18/2017 10:00:00 PM Stop Time: 1/26/2017 9:45:00 AM  
2/2/2017 14:48 Log Download - Used Battery: 18% Used Memory: 40% User Name: WMassoll Interval - Start Time: 12/31/2016 10:00:00 PM Stop Time: 2/2/2017 2:55:00 PM  
2/9/2017 12:56 Log Download - Used Battery: 18% Used Memory: 40% User Name: EHernandez Interval - Start Time: 2/1/2017 12:00:00 AM Stop Time: 2/9/2017 1:45:00 PM  
2/16/2017 10:33 Log Download - Used Battery: 19% Used Memory: 42% User Name: WMassoll Interval - Start Time: 2/8/2017 10:00:00 PM Stop Time: 2/16/2017 10:47:00 AM  
2/23/2017 11:25 Log Download - Used Battery: 19% Used Memory: 42% User Name: EHernandez Interval - Start Time: 2/15/2017 12:00:00 AM Stop Time: 2/23/2017 12:15:00 PM  
3/2/2017 15:12 Log Download - Used Battery: 19% Used Memory: 43% User Name: Skuiper Interval - Start Time: 1/31/2017 10:00:00 PM Stop Time: 3/2/2017 4:00:00 PM  
3/9/2017 10:37 Log Download - Used Battery: 20% Used Memory: 43% User Name: WMassoll Interval - Start Time: 3/2/2017 11:30:00 PM Stop Time: 3/9/2017 11:00:00 AM  
3/16/2017 14:08 Log Download - Used Battery: 20% Used Memory: 45% User Name: WMassoll Interval - Start Time: 3/8/2017 10:00:00 PM Stop Time: 3/16/2017 3:00:00 PM  
3/23/2017 12:04 Log Download - Used Battery: 20% Used Memory: 46% User Name: AVanHalsma Interval - Start Time: 3/15/2017 10:00:00 PM Stop Time: 3/23/2017 1:30:00 PM  
3/30/2017 9:49 Log Download - Used Battery: 21% Used Memory: 46% User Name: AVanHalsma Interval - Start Time: 3/22/2017 10:00:00 PM Stop Time: 3/30/2017 10:45:00 AM  
4/6/2017 10:58 Log Download - Used Battery: 21% Used Memory: 48% User Name: WMassoll Interval - Start Time: 2/28/2017 1:00:00 PM Stop Time: 4/1/2017 7:00:00 AM  
4/6/2017 11:24 Log Download - Used Battery: 21% Used Memory: 48% User Name: WMassoll Interval - Start Time: 2/28/2017 1:00:00 PM Stop Time: 4/6/2017 12:00:00 PM  
4/13/2017 9:42 Log Download - Used Battery: 22% Used Memory: 48% User Name: WMassoll Interval - Start Time: 4/5/2017 12:00:00 PM Stop Time: 4/13/2017 9:00:00 AM  
10/13/2017 8:31 User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll\_2017-10-12\_17-14-36-585.wsl"

Log Data:  
Record Count 730  
Sensors 2  
1 441205 PCTD 300 PSIA (200.7m/658.7ft)  
2 0 Baro-Adjustment Calc

Time Zone: Pacific Daylight Time

|                 |                         | Sensor: PCTD(A) 658.7ft<br>SNR: 441205 |                 | Sensor: PCTD(A) 658.7ft<br>SNR: 441205 |                             | Sensor: PCTD(A) 658.7ft<br>SNR: 441205 |                | Sensor: PCTD(A) 658.7ft<br>SNR: 441205 |                      | Sensor: PCTD(A) 658.7ft<br>SNR: 441205 |                           | Sensor: PCTD(A) 658.7ft<br>SNR: 441205 |  | Sensor: PCTD(A) 658.7ft<br>SNR: 441205 |  | Sensor: PCTD(A) 658.7ft<br>SNR: 441205 |  | Sensor: Baro-Adj Calc<br>SNR: 000000 |  |
|-----------------|-------------------------|----------------------------------------|-----------------|----------------------------------------|-----------------------------|----------------------------------------|----------------|----------------------------------------|----------------------|----------------------------------------|---------------------------|----------------------------------------|--|----------------------------------------|--|----------------------------------------|--|--------------------------------------|--|
| Date and Time   | Elapsed Time<br>Seconds | Corrected<br>Pressure (PSI)            | Temperature (C) | Corrected<br>Depth (ft)                | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm)          | Salinity (PSU) | Total Dissolved Solids (ppt)           | Resistivity (ohm-cm) | Water Density (g/cm3)                  | Barometric Pressure (PSI) |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 0:00  | 7200                    | 116.309                                | 19.23           | 265.104                                | 33966.164                   | 38161.641                              | 24.467         | 25.95                                  | 29.45                | 1.017                                  | 14.751                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 0:15  | 8100                    | 116.316                                | 19.229          | 265.12                                 | 33989.719                   | 38200.004                              | 24.494         | 25.976                                 | 29.421               | 1.017                                  | 14.749                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 0:30  | 9000                    | 116.306                                | 19.23           | 265.097                                | 33975.75                    | 38183.652                              | 24.483         | 25.965                                 | 29.433               | 1.017                                  | 14.752                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 0:45  | 9900                    | 116.342                                | 19.23           | 265.179                                | 33965.125                   | 38171.715                              | 24.474         | 25.957                                 | 29.442               | 1.017                                  | 14.745                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 1:00  | 10800                   | 116.323                                | 19.229          | 265.137                                | 33980.188                   | 38189.43                               | 24.487         | 25.969                                 | 29.429               | 1.017                                  | 14.737                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 1:15  | 11700                   | 116.321                                | 19.23           | 265.131                                | 33980.465                   | 38189.453                              | 24.487         | 25.969                                 | 29.429               | 1.017                                  | 14.744                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 1:30  | 12600                   | 116.317                                | 19.23           | 265.122                                | 33981                       | 38189.699                              | 24.487         | 25.969                                 | 29.428               | 1.017                                  | 14.743                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 1:45  | 13500                   | 116.314                                | 19.23           | 265.114                                | 33981.395                   | 38190.141                              | 24.487         | 25.969                                 | 29.428               | 1.017                                  | 14.745                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 2:00  | 14400                   | 116.32                                 | 19.23           | 265.13                                 | 33963.246                   | 38169.957                              | 24.473         | 25.956                                 | 29.444               | 1.017                                  | 14.742                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 2:15  | 15300                   | 116.311                                | 19.23           | 265.109                                | 33983.832                   | 38193.168                              | 24.489         | 25.971                                 | 29.426               | 1.017                                  | 14.745                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 2:30  | 16200                   | 116.294                                | 19.229          | 265.07                                 | 33966                       | 38173.348                              | 24.475         | 25.958                                 | 29.441               | 1.017                                  | 14.746                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 2:45  | 17100                   | 116.298                                | 19.229          | 265.079                                | 33934.98                    | 38138.555                              | 24.451         | 25.934                                 | 29.468               | 1.017                                  | 14.744                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 3:00  | 18000                   | 116.297                                | 19.23           | 265.076                                | 33953.047                   | 38158.422                              | 24.465         | 25.948                                 | 29.452               | 1.017                                  | 14.739                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 3:15  | 18900                   | 116.289                                | 19.229          | 265.058                                | 33962.625                   | 38169.601                              | 24.473         | 25.955                                 | 29.444               | 1.017                                  | 14.748                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 3:30  | 19800                   | 116.293                                | 19.229          | 265.068                                | 33968.934                   | 38176.781                              | 24.478         | 25.96                                  | 29.439               | 1.017                                  | 14.738                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 3:45  | 20700                   | 116.276                                | 19.23           | 265.028                                | 33953.539                   | 38159.266                              | 24.465         | 25.948                                 | 29.452               | 1.017                                  | 14.739                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 4:00  | 21600                   | 116.272                                | 19.229          | 265.02                                 | 33980.465                   | 38189.742                              | 24.487         | 25.969                                 | 29.429               | 1.017                                  | 14.739                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 4:15  | 22500                   | 116.258                                | 19.229          | 264.989                                | 33977.906                   | 38186.797                              | 24.485         | 25.967                                 | 29.431               | 1.017                                  | 14.74                     |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 4:30  | 23400                   | 116.264                                | 19.229          | 265.002                                | 33963.066                   | 38170.051                              | 24.473         | 25.956                                 | 29.444               | 1.017                                  | 14.737                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 4:45  | 24300                   | 116.259                                | 19.229          | 264.991                                | 33964.711                   | 38172.684                              | 24.475         | 25.957                                 | 29.442               | 1.017                                  | 14.739                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 5:00  | 25200                   | 116.258                                | 19.229          | 264.989                                | 33962.141                   | 38169.434                              | 24.473         | 25.955                                 | 29.445               | 1.017                                  | 14.736                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 5:15  | 26100                   | 116.251                                | 19.23           | 264.972                                | 33940.73                    | 38144.652                              | 24.455         | 25.938                                 | 29.463               | 1.017                                  | 14.741                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 5:30  | 27000                   | 116.258                                | 19.23           | 264.988                                | 33965.27                    | 38172.375                              | 24.475         | 25.957                                 | 29.442               | 1.017                                  | 14.734                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 5:45  | 27900                   | 116.246                                | 19.229          | 264.961                                | 33960.043                   | 38166.719                              | 24.471         | 25.953                                 | 29.446               | 1.017                                  | 14.74                     |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 6:00  | 28800                   | 116.243                                | 19.228          | 264.953                                | 33977.098                   | 38186.668                              | 24.485         | 25.967                                 | 29.432               | 1.017                                  | 14.737                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 6:15  | 29700                   | 116.235                                | 19.23           | 264.935                                | 33996.625                   | 38207.688                              | 24.5           | 25.981                                 | 29.415               | 1.017                                  | 14.739                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 6:30  | 30600                   | 116.238                                | 19.229          | 264.941                                | 33954.09                    | 38160.031                              | 24.466         | 25.949                                 | 29.452               | 1.017                                  | 14.738                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 6:45  | 31500                   | 116.232                                | 19.229          | 264.928                                | 33941.043                   | 38145.438                              | 24.456         | 25.939                                 | 29.463               | 1.017                                  | 14.739                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 7:00  | 32400                   | 116.238                                | 19.228          | 264.943                                | 33939.52                    | 38144.652                              | 24.455         | 25.938                                 | 29.464               | 1.017                                  | 14.735                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 7:15  | 33300                   | 116.233                                | 19.229          | 264.932                                | 33943.961                   | 38149                                  | 24.458         | 25.941                                 | 29.46                | 1.017                                  | 14.74                     |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 7:30  | 34200                   | 116.243                                | 19.23           | 264.954                                | 33959.738                   | 38166.156                              | 24.47          | 25.953                                 | 29.447               | 1.017                                  | 14.732                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 7:45  | 35100                   | 116.247                                | 19.229          | 264.964                                | 33963.004                   | 38170.047                              | 24.473         | 25.956                                 | 29.444               | 1.017                                  | 14.737                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 8:00  | 36000                   | 116.242                                | 19.229          | 264.951                                | 33969.297                   | 38177.121                              | 24.478         | 25.96                                  | 29.438               | 1.017                                  | 14.742                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 8:15  | 36900                   | 116.239                                | 19.229          | 264.958                                | 33949.023                   | 38154.266                              | 24.462         | 25.945                                 | 29.451               | 1.017                                  | 14.745                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 8:30  | 37800                   | 116.255                                | 19.229          | 264.98                                 | 33968.461                   | 38176.535                              | 24.478         | 25.96                                  | 29.439               | 1.017                                  | 14.738                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 8:45  | 38700                   | 116.252                                | 19.229          | 264.975                                | 33961.699                   | 38168.512                              | 24.472         | 25.955                                 | 29.445               | 1.017                                  | 14.741                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 9:00  | 39600                   | 116.266                                | 19.229          | 265.005                                | 33979.801                   | 38189.281                              | 24.487         | 25.969                                 | 29.429               | 1.017                                  | 14.743                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 9:15  | 40500                   | 116.263                                | 19.229          | 264.999                                | 33963.316                   | 38170.398                              | 24.473         | 25.956                                 | 29.444               | 1.017                                  | 14.74                     |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 9:30  | 41400                   | 116.274                                | 19.231          | 265.025                                | 33966.344                   | 38172.293                              | 24.475         | 25.957                                 | 29.441               | 1.017                                  | 14.74                     |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 9:45  | 42300                   | 116.279                                | 19.23           | 265.035                                | 33973.816                   | 38181.695                              | 24.481         | 25.964                                 | 29.434               | 1.017                                  | 14.742                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 10:00 | 43200                   | 116.298                                | 19.23           | 265.079                                | 33966.02                    | 38173.219                              | 24.475         | 25.958                                 | 29.441               | 1.017                                  | 14.739                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 10:15 | 44100                   | -0.051                                 | 17.816          | -0.117                                 | 3.562                       | 4.129                                  | 0.001          | 0.003                                  | 280703.656           | 0.999                                  | 14.747                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 10:30 | 45000                   | -0.053                                 | 28.397          | -0.121                                 | 0                           | 0                                      | 0              | 0                                      | 10000000             | 0.996                                  | 14.738                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 10:45 | 45900                   | 0.994                                  | 16.194          | 2.266                                  | 41323.063                   | 49678.594                              | 32.621         | 33.781                                 | 24.2                 | 1.024                                  | 14.741                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 11:00 | 46800                   | 116.434                                | 19.231          | 265.39                                 | 33767.016                   | 37948.5                                | 24.316         | 25.805                                 | 29.615               | 1.017                                  | 14.738                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 11:15 | 47700                   | 116.43                                 | 19.227          | 265.38                                 | 33874.121                   | 38072.43                               | 24.404         | 25.889                                 | 29.521               | 1.017                                  | 14.735                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 11:30 | 48600                   | 116.444                                | 19.228          | 265.412                                | 33856.315                   | 38051.137                              | 24.389         | 25.877                                 | 29.537               | 1.017                                  | 14.736                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 11:45 | 49500                   | 116.44                                 | 19.227          | 265.403                                | 33912.406                   | 38114.969                              | 24.434         | 25.819                                 | 29.488               | 1.017                                  | 14.742                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 12:00 | 50400                   | 116.46                                 | 19.228          | 265.448                                | 33986.332                   | 38197.617                              | 24.493         | 25.974                                 | 29.424               | 1.017                                  | 14.737                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 12:15 | 51300                   | 116.468                                | 19.228          | 265.466                                | 33995.781                   | 38207.668                              | 24.5           | 25.981                                 | 29.415               | 1.017                                  | 14.735                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 12:30 | 52200                   | 116.454                                | 19.228          | 265.436                                | 33991.895                   | 38203.941                              | 24.497         | 25.979                                 | 29.419               | 1.017                                  | 14.736                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 12:45 | 53100                   | 116.468                                | 19.229          | 265.466                                | 34000.48                    | 38212.234                              | 24.503         | 25.984                                 | 29.411               | 1.017                                  | 14.729                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 13:00 | 54000                   | 116.476                                | 19.229          | 265.495                                | 33989.434                   | 38199.32                               | 24.494         | 25.976                                 | 29.421               | 1.017                                  | 14.732                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 13:15 | 54900                   | 116.475                                | 19.229          | 265.483                                | 33988.492                   | 38199.414                              | 24.494         | 25.974                                 | 29.422               | 1.017                                  | 14.727                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 13:30 | 55800                   | 116.487                                | 19.229          | 265.509                                | 33979.25                    | 38188.875                              | 24.486         | 25.968                                 | 29.43                | 1.017                                  | 14.724                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 13:45 | 56700                   | 116.481                                | 19.229          | 265.495                                | 34001.742                   | 38214.012                              | 24.504         | 25.986                                 | 29.41                | 1.017                                  | 14.723                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 14:00 | 57600                   | 116.486                                | 19.229          | 265.507                                | 34001.902                   | 38214.332                              | 24.504         | 25.986                                 | 29.41                | 1.017                                  | 14.721                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 14:15 | 58500                   | 116.473                                | 19.229          | 265.478                                | 34001.625                   | 38213.523                              | 24.504         | 25.985                                 | 29.41                | 1.017                                  | 14.721                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 14:30 | 59400                   | 116.476                                | 19.228          | 265.486                                | 33992.703                   | 38204.207                              | 24.497         | 25.979                                 | 29.418               | 1.017                                  | 14.717                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 14:45 | 60300                   | 116.473                                | 19.23           | 265.479                                | 33975.371                   | 38183.722                              | 24.483         | 25.965                                 | 29.433               | 1.017                                  | 14.719                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 15:00 | 61200                   | 116.468                                | 19.228          | 265.467                                | 33985.402                   | 38191.96                               | 24.491         | 25.973                                 | 29.424               | 1.017                                  | 14.716                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 15:15 | 62100                   | 116.463                                | 19.229          | 265.455                                | 33988.75                    | 38199.117                              | 24.494         | 25.975                                 | 29.421               | 1.017                                  | 14.712                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 15:30 | 63000                   | 116.454                                | 19.229          | 265.435                                | 33990.656                   | 38201.125                              | 24.495         | 25.977                                 | 29.42                | 1.017                                  | 14.713                    |                                        |  |                                        |  |                                        |  |                                      |  |
| 10/5/2017 15:45 | 63900                   | 116.449                                | 19.229          | 265.424                                | 33992.137                   | 38203.215                              | 24.497         | 25.978                                 | 29.419               | 1.017                                  | 14.707                    |                                        |  |                                        |  |                                        |  |                                      |  |

|                 |        |         |        |         |           |           |        |        |        |       |        |
|-----------------|--------|---------|--------|---------|-----------|-----------|--------|--------|--------|-------|--------|
| 10/5/2017 16:00 | 64800  | 116.445 | 19.23  | 265.414 | 33974.719 | 38182.992 | 24.482 | 25.964 | 29.434 | 1.017 | 14.714 |
| 10/5/2017 16:15 | 65700  | 116.437 | 19.229 | 265.396 | 33980.074 | 38189.164 | 24.487 | 25.969 | 29.429 | 1.017 | 14.708 |
| 10/5/2017 16:30 | 66600  | 116.433 | 19.228 | 265.387 | 33983.895 | 38194.309 | 24.49  | 25.972 | 29.426 | 1.017 | 14.701 |
| 10/5/2017 16:45 | 67500  | 116.423 | 19.229 | 265.363 | 33983.895 | 38193.883 | 24.49  | 25.972 | 29.426 | 1.017 | 14.706 |
| 10/5/2017 17:00 | 68400  | 116.411 | 19.229 | 265.337 | 33996.461 | 38208.004 | 24.5   | 25.981 | 29.415 | 1.017 | 14.707 |
| 10/5/2017 17:15 | 69300  | 116.413 | 19.229 | 265.34  | 33979.707 | 38189.012 | 24.487 | 25.969 | 29.429 | 1.017 | 14.704 |
| 10/5/2017 17:30 | 70200  | 116.414 | 19.229 | 265.344 | 33999.445 | 38211.43  | 24.502 | 25.984 | 29.412 | 1.017 | 14.704 |
| 10/5/2017 17:45 | 71100  | 116.404 | 19.229 | 265.32  | 33998.414 | 38210.059 | 24.501 | 25.983 | 29.413 | 1.017 | 14.703 |
| 10/5/2017 18:00 | 72000  | 116.396 | 19.229 | 265.303 | 33981.559 | 38190.969 | 24.488 | 25.97  | 29.428 | 1.017 | 14.706 |
| 10/5/2017 18:15 | 72900  | 116.403 | 19.229 | 265.318 | 33982.766 | 38212.328 | 24.489 | 25.971 | 29.427 | 1.017 | 14.7   |
| 10/5/2017 18:30 | 73800  | 116.394 | 19.23  | 265.298 | 33991.004 | 38201.227 | 24.495 | 25.977 | 29.42  | 1.017 | 14.704 |
| 10/5/2017 18:45 | 74700  | 116.386 | 19.23  | 265.279 | 33995.199 | 38206.012 | 24.499 | 25.98  | 29.416 | 1.017 | 14.704 |
| 10/5/2017 19:00 | 75600  | 116.395 | 19.23  | 265.299 | 33978.258 | 38186.902 | 24.485 | 25.967 | 29.417 | 1.017 | 14.7   |
| 10/5/2017 19:15 | 76500  | 116.393 | 19.229 | 265.296 | 33985.816 | 38195.898 | 24.491 | 25.973 | 29.424 | 1.017 | 14.704 |
| 10/5/2017 19:30 | 77400  | 116.389 | 19.229 | 265.286 | 33985.211 | 38195.289 | 24.491 | 25.973 | 29.425 | 1.017 | 14.701 |
| 10/5/2017 19:45 | 78300  | 116.383 | 19.23  | 265.273 | 33992.406 | 38202.516 | 24.496 | 25.978 | 29.418 | 1.017 | 14.709 |
| 10/5/2017 20:00 | 79200  | 116.397 | 19.23  | 265.304 | 33996.234 | 38206.887 | 24.499 | 25.981 | 29.415 | 1.017 | 14.705 |
| 10/5/2017 20:15 | 80100  | 116.39  | 19.23  | 265.288 | 33989.492 | 38199.313 | 24.494 | 25.976 | 29.421 | 1.017 | 14.708 |
| 10/5/2017 20:30 | 81000  | 116.384 | 19.229 | 265.274 | 33990.207 | 38200.902 | 24.495 | 25.977 | 29.42  | 1.017 | 14.714 |
| 10/5/2017 20:45 | 81900  | 116.399 | 19.229 | 265.31  | 33990.582 | 38200.973 | 24.495 | 25.977 | 29.42  | 1.017 | 14.71  |
| 10/5/2017 21:00 | 82800  | 116.393 | 19.229 | 265.296 | 33982.66  | 38192.273 | 24.489 | 25.971 | 29.427 | 1.017 | 14.717 |
| 10/5/2017 21:15 | 83700  | 116.392 | 19.23  | 265.293 | 33995.488 | 38206.336 | 24.499 | 25.98  | 29.416 | 1.017 | 14.718 |
| 10/5/2017 21:30 | 84600  | 116.408 | 19.23  | 265.331 | 33996.566 | 38207.262 | 24.499 | 25.981 | 29.415 | 1.017 | 14.717 |
| 10/5/2017 21:45 | 85500  | 116.416 | 19.23  | 265.347 | 33993.598 | 38203.711 | 24.497 | 25.979 | 29.417 | 1.017 | 14.719 |
| 10/5/2017 22:00 | 86400  | 116.421 | 19.231 | 265.358 | 33982.922 | 38191.426 | 24.488 | 25.97  | 29.427 | 1.017 | 14.712 |
| 10/5/2017 22:15 | 87300  | 116.421 | 19.23  | 265.359 | 33971.168 | 38178.859 | 24.479 | 25.962 | 29.437 | 1.017 | 14.715 |
| 10/5/2017 22:30 | 88200  | 116.426 | 19.23  | 265.371 | 33974.484 | 38182.512 | 24.482 | 25.964 | 29.434 | 1.017 | 14.721 |
| 10/5/2017 22:45 | 89100  | 116.437 | 19.23  | 265.396 | 33976.488 | 38185.059 | 24.484 | 25.966 | 29.432 | 1.017 | 14.724 |
| 10/5/2017 23:00 | 90000  | 116.44  | 19.23  | 265.402 | 33980.328 | 38189.371 | 24.487 | 25.969 | 29.429 | 1.017 | 14.724 |
| 10/5/2017 23:15 | 90900  | 116.448 | 19.23  | 265.422 | 34000.758 | 38211.758 | 24.503 | 25.984 | 29.411 | 1.017 | 14.726 |
| 10/5/2017 23:30 | 91800  | 116.454 | 19.23  | 265.444 | 33975.609 | 38183.485 | 24.483 | 25.965 | 29.433 | 1.017 | 14.719 |
| 10/5/2017 23:45 | 92700  | 116.446 | 19.23  | 265.416 | 33987.488 | 38196.914 | 24.492 | 25.974 | 29.423 | 1.017 | 14.727 |
| 10/6/2017 0:00  | 93600  | 116.455 | 19.23  | 265.438 | 33986.984 | 38196.492 | 24.492 | 25.974 | 29.423 | 1.017 | 14.726 |
| 10/6/2017 0:15  | 94500  | 116.462 | 19.23  | 265.454 | 34003.422 | 38215.109 | 24.505 | 25.986 | 29.409 | 1.017 | 14.724 |
| 10/6/2017 0:30  | 95400  | 116.467 | 19.231 | 265.465 | 33988.129 | 38197.07  | 24.492 | 25.974 | 29.422 | 1.017 | 14.729 |
| 10/6/2017 0:45  | 96300  | 116.465 | 19.23  | 265.46  | 34019.82  | 38233.25  | 24.518 | 25.999 | 29.395 | 1.017 | 14.725 |
| 10/6/2017 1:00  | 97200  | 116.473 | 19.231 | 265.478 | 33996.527 | 38206.718 | 24.499 | 25.981 | 29.415 | 1.017 | 14.727 |
| 10/6/2017 1:15  | 98100  | 116.483 | 19.23  | 265.501 | 33998.793 | 38209.551 | 24.501 | 25.982 | 29.413 | 1.017 | 14.722 |
| 10/6/2017 1:30  | 99000  | 116.483 | 19.231 | 265.5   | 34001.789 | 38212.422 | 24.503 | 25.984 | 29.41  | 1.017 | 14.725 |
| 10/6/2017 1:45  | 99900  | 116.477 | 19.23  | 265.487 | 33995.539 | 38205.895 | 24.498 | 25.98  | 29.416 | 1.017 | 14.729 |
| 10/6/2017 2:00  | 100800 | 116.471 | 19.23  | 265.474 | 33997.16  | 38207.859 | 24.5   | 25.981 | 29.414 | 1.017 | 14.729 |
| 10/6/2017 2:15  | 101700 | 116.478 | 19.23  | 265.489 | 33999.484 | 38210.328 | 24.502 | 25.983 | 29.412 | 1.017 | 14.73  |
| 10/6/2017 2:30  | 102600 | 116.475 | 19.23  | 265.483 | 34003.92  | 38203.516 | 24.497 | 25.978 | 29.417 | 1.017 | 14.728 |
| 10/6/2017 2:45  | 103500 | 116.467 | 19.231 | 265.465 | 34003.93  | 38215.095 | 24.505 | 25.986 | 29.408 | 1.017 | 14.727 |
| 10/6/2017 3:00  | 104400 | 116.467 | 19.23  | 265.463 | 33979.25  | 38187.941 | 24.486 | 25.968 | 29.43  | 1.017 | 14.73  |
| 10/6/2017 3:15  | 105300 | 116.47  | 19.23  | 265.47  | 33988.465 | 38198.227 | 24.493 | 25.975 | 29.422 | 1.017 | 14.724 |
| 10/6/2017 3:30  | 106200 | 116.457 | 19.229 | 265.441 | 33983.152 | 38192.906 | 24.489 | 25.971 | 29.426 | 1.017 | 14.73  |
| 10/6/2017 3:45  | 107100 | 116.455 | 19.23  | 265.436 | 33993.973 | 38204.066 | 24.497 | 25.979 | 29.417 | 1.017 | 14.726 |
| 10/6/2017 4:00  | 108000 | 116.465 | 19.23  | 265.465 | 34008.043 | 38220.227 | 24.509 | 25.99  | 29.405 | 1.017 | 14.722 |
| 10/6/2017 4:15  | 108900 | 116.45  | 19.23  | 265.425 | 33998.676 | 38209.848 | 24.501 | 25.983 | 29.413 | 1.017 | 14.726 |
| 10/6/2017 4:30  | 109800 | 116.449 | 19.23  | 265.423 | 33994.664 | 38204.84  | 24.498 | 25.979 | 29.416 | 1.017 | 14.727 |
| 10/6/2017 4:45  | 110700 | 116.437 | 19.229 | 265.396 | 33997.207 | 38208.625 | 24.5   | 25.982 | 29.414 | 1.017 | 14.728 |
| 10/6/2017 5:00  | 111600 | 116.435 | 19.23  | 265.391 | 34003.566 | 38215.273 | 24.505 | 25.986 | 29.409 | 1.017 | 14.726 |
| 10/6/2017 5:15  | 112500 | 116.432 | 19.23  | 265.385 | 34008.004 | 38220.117 | 24.509 | 25.99  | 29.405 | 1.017 | 14.726 |
| 10/6/2017 5:30  | 113400 | 116.412 | 19.231 | 265.339 | 33994.852 | 38204.48  | 24.497 | 25.979 | 29.416 | 1.017 | 14.731 |
| 10/6/2017 5:45  | 114300 | 116.426 | 19.23  | 265.371 | 33997.668 | 38208.5   | 24.5   | 25.982 | 29.414 | 1.017 | 14.724 |
| 10/6/2017 6:00  | 115200 | 116.421 | 19.23  | 265.359 | 33989.609 | 38199.66  | 24.494 | 25.976 | 29.421 | 1.017 | 14.724 |
| 10/6/2017 6:15  | 116100 | 116.415 | 19.23  | 265.345 | 34004.199 | 38216.199 | 24.506 | 25.987 | 29.408 | 1.017 | 14.726 |
| 10/6/2017 6:30  | 117000 | 116.403 | 19.23  | 265.318 | 34014.988 | 38228.324 | 24.514 | 25.995 | 29.399 | 1.017 | 14.732 |
| 10/6/2017 6:45  | 117900 | 116.4   | 19.231 | 265.312 | 34000.957 | 38211.762 | 24.503 | 25.984 | 29.411 | 1.017 | 14.733 |
| 10/6/2017 7:00  | 118800 | 116.407 | 19.23  | 265.328 | 33999.84  | 38203.714 | 24.497 | 25.979 | 29.417 | 1.017 | 14.731 |
| 10/6/2017 7:15  | 119700 | 116.401 | 19.23  | 265.314 | 33990.617 | 38200.508 | 24.495 | 25.976 | 29.42  | 1.017 | 14.732 |
| 10/6/2017 7:30  | 120600 | 116.406 | 19.23  | 265.326 | 33989.582 | 38199.48  | 24.494 | 25.976 | 29.421 | 1.017 | 14.736 |
| 10/6/2017 7:45  | 121500 | 116.411 | 19.23  | 265.337 | 33988.266 | 38198.074 | 24.493 | 25.975 | 29.422 | 1.017 | 14.732 |
| 10/6/2017 8:00  | 122400 | 116.409 | 19.23  | 265.332 | 34008.516 | 38220.977 | 24.509 | 25.99  | 29.404 | 1.017 | 14.736 |
| 10/6/2017 8:15  | 123300 | 116.401 | 19.23  | 265.314 | 34007.078 | 38218.93  | 24.508 | 25.989 | 29.406 | 1.017 | 14.744 |
| 10/6/2017 8:30  | 124200 | 116.425 | 19.231 | 265.368 | 34009.711 | 38221.461 | 24.51  | 25.991 | 29.403 | 1.017 | 14.736 |
| 10/6/2017 8:45  | 125100 | 116.42  | 19.23  | 265.357 | 34006.242 | 38217.785 | 24.507 | 25.988 | 29.406 | 1.017 | 14.741 |
| 10/6/2017 9:00  | 126000 | 116.419 | 19.23  | 265.356 | 34003.141 | 38214.367 | 24.504 | 25.986 | 29.409 | 1.017 | 14.753 |
| 10/6/2017 9:15  | 126900 | 116.433 | 19.23  | 265.387 | 34019.957 | 38233.199 | 24.518 | 25.999 | 29.395 | 1.017 | 14.743 |
| 10/6/2017 9:30  | 127800 | 116.43  | 19.231 | 265.379 | 33998.98  | 38208.836 | 24.501 | 25.982 | 29.413 | 1.017 | 14.751 |
| 10/6/2017 9:45  | 128700 | 116.448 | 19.23  | 265.42  | 34002.922 | 38214.121 | 24.504 | 25.986 | 29.409 | 1.017 | 14.744 |
| 10/6/2017 10:00 | 129600 | 116.44  | 19.231 | 265.403 | 33983.133 | 38191.73  | 24.488 | 25.97  | 29.426 | 1.017 | 14.752 |
| 10/6/2017 10:15 | 130500 | 116.446 | 19.23  | 265.417 | 34013.598 | 38226.051 | 24.513 | 25.994 | 29.4   | 1.017 | 14.754 |
| 10/6/2017 10:30 | 131400 | 116.449 | 19.231 | 265.424 | 34001.469 | 38211.766 | 24.503 | 25.984 | 29.41  | 1.017 | 14.75  |
| 10/6/2017 10:45 | 132300 | 116.464 | 19.231 | 265.457 | 34013.293 | 38225.488 | 24.512 | 25.993 | 29.4   | 1.017 | 14.747 |
| 10/6/2017 11:00 | 133200 | 116.477 | 19.231 | 265.488 | 33983.102 | 38191.203 | 24.488 | 25.97  | 29.426 | 1.017 | 14.739 |
| 10/6/2017 11:15 | 134100 | 116.496 | 19.232 | 265.529 | 33995.254 | 38204.5   | 24.498 | 25.979 | 29.416 | 1.017 | 14.739 |
| 10/6/2017 11:30 | 135000 | 116.493 | 19.231 | 265.523 | 34000.086 | 38210.508 | 24.502 | 25.983 | 29.412 | 1.017 | 14.74  |
| 10/6/2017 11:45 | 135900 | 116.501 | 19.231 | 265.541 | 34009.633 | 38220.941 | 24.509 | 25.99  | 29.403 | 1.017 | 14.737 |
| 10/6/2017 12:00 | 136800 | 116.501 | 19.23  | 265.542 | 33996.785 | 38207.227 | 24.499 | 25.981 | 29.415 | 1.017 | 14.737 |
| 10/6/2017 12:15 | 137700 | 116.515 | 19.231 | 265.573 | 34019.75  | 38232.465 | 24.517 | 25.998 | 29.395 | 1.017 | 14.73  |
| 10/6/2017 12:30 | 138600 | 116.505 | 19.23  | 265.552 | 33996.918 | 38207.445 | 24.5   |        |        |       |        |

|                 |        |         |        |         |           |           |        |        |        |       |        |
|-----------------|--------|---------|--------|---------|-----------|-----------|--------|--------|--------|-------|--------|
| 10/7/2017 20:45 | 254700 | 116.407 | 19.23  | 265.328 | 34014.031 | 38226.957 | 24.513 | 25.994 | 29.4   | 1.017 | 14.656 |
| 10/7/2017 21:00 | 255600 | 116.409 | 19.229 | 265.332 | 34032.406 | 38248.047 | 24.528 | 26.009 | 29.384 | 1.017 | 14.655 |
| 10/7/2017 21:15 | 256500 | 116.4   | 19.229 | 265.313 | 33972.531 | 38180.688 | 24.481 | 25.963 | 29.436 | 1.017 | 14.65  |
| 10/7/2017 21:30 | 257400 | 116.403 | 19.23  | 265.319 | 34002.555 | 38213.711 | 24.504 | 25.985 | 29.41  | 1.017 | 14.651 |
| 10/7/2017 21:45 | 258300 | 116.393 | 19.229 | 265.295 | 33994.75  | 38205.727 | 24.498 | 25.98  | 29.416 | 1.017 | 14.652 |
| 10/7/2017 22:00 | 259200 | 116.395 | 19.231 | 265.3   | 34024.691 | 38238.438 | 24.522 | 26.002 | 29.39  | 1.017 | 14.661 |
| 10/7/2017 22:15 | 260100 | 116.389 | 19.23  | 265.389 | 34016.305 | 38229.23  | 24.515 | 25.996 | 29.398 | 1.017 | 14.647 |
| 10/7/2017 22:30 | 261000 | 116.389 | 19.23  | 265.286 | 34008.961 | 38221.41  | 24.509 | 25.991 | 29.404 | 1.017 | 14.661 |
| 10/7/2017 22:45 | 261900 | 116.385 | 19.23  | 265.277 | 34003.68  | 38214.973 | 24.505 | 25.986 | 29.409 | 1.017 | 14.655 |
| 10/7/2017 23:00 | 262800 | 116.398 | 19.23  | 265.306 | 34027.863 | 38242.223 | 24.524 | 26.005 | 29.388 | 1.017 | 14.652 |
| 10/7/2017 23:15 | 263700 | 116.413 | 19.23  | 265.34  | 34030.805 | 38245.391 | 24.526 | 26.007 | 29.385 | 1.017 | 14.65  |
| 10/7/2017 23:30 | 264600 | 116.412 | 19.23  | 265.339 | 34016.426 | 38229.297 | 24.515 | 25.996 | 29.398 | 1.017 | 14.644 |
| 10/7/2017 23:45 | 265500 | 116.417 | 19.231 | 265.35  | 34029.613 | 38243.969 | 24.525 | 26.006 | 29.386 | 1.017 | 14.645 |
| 10/8/2017 0:00  | 266400 | 116.417 | 19.23  | 265.35  | 34005.129 | 38216.672 | 24.506 | 25.987 | 29.407 | 1.017 | 14.648 |
| 10/8/2017 0:15  | 267300 | 116.424 | 19.23  | 265.365 | 34034.414 | 38249.516 | 24.529 | 26.01  | 29.382 | 1.017 | 14.649 |
| 10/8/2017 0:30  | 268200 | 116.429 | 19.23  | 265.377 | 34024.078 | 38238.109 | 24.521 | 26.002 | 29.391 | 1.017 | 14.647 |
| 10/8/2017 0:45  | 269100 | 116.431 | 19.23  | 265.381 | 34014.852 | 38228.027 | 24.514 | 25.995 | 29.399 | 1.017 | 14.645 |
| 10/8/2017 1:00  | 270000 | 116.451 | 19.23  | 265.429 | 34013.984 | 38226.691 | 24.513 | 25.994 | 29.4   | 1.017 | 14.641 |
| 10/8/2017 1:15  | 270900 | 116.445 | 19.23  | 265.445 | 34021.605 | 38215.469 | 24.519 | 26     | 29.393 | 1.017 | 14.637 |
| 10/8/2017 1:30  | 271800 | 116.444 | 19.23  | 265.412 | 34029.059 | 38243.566 | 24.525 | 26.006 | 29.387 | 1.017 | 14.651 |
| 10/8/2017 1:45  | 272700 | 116.456 | 19.231 | 265.439 | 34006.957 | 38218.438 | 24.507 | 25.989 | 29.406 | 1.017 | 14.645 |
| 10/8/2017 2:00  | 273600 | 116.459 | 19.231 | 265.447 | 34021.426 | 38234.699 | 24.519 | 26     | 29.393 | 1.017 | 14.642 |
| 10/8/2017 2:15  | 274500 | 116.456 | 19.23  | 265.44  | 34031.773 | 38247.047 | 24.528 | 26.008 | 29.384 | 1.017 | 14.646 |
| 10/8/2017 2:30  | 275400 | 116.466 | 19.231 | 265.461 | 34042.566 | 38258.105 | 24.536 | 26.016 | 29.375 | 1.017 | 14.644 |
| 10/8/2017 2:45  | 276300 | 116.468 | 19.23  | 265.465 | 34006.382 | 38218.234 | 24.507 | 25.988 | 29.406 | 1.017 | 14.637 |
| 10/8/2017 3:00  | 277200 | 116.472 | 19.229 | 265.476 | 34020.027 | 38234.27  | 24.519 | 25.999 | 29.394 | 1.017 | 14.642 |
| 10/8/2017 3:15  | 278100 | 116.468 | 19.231 | 265.467 | 34036.246 | 38251.422 | 24.531 | 26.011 | 29.38  | 1.017 | 14.641 |
| 10/8/2017 3:30  | 279000 | 116.479 | 19.23  | 265.492 | 34027.199 | 38241.832 | 24.524 | 26.004 | 29.388 | 1.017 | 14.639 |
| 10/8/2017 3:45  | 279900 | 116.475 | 19.231 | 265.482 | 34035.684 | 38250.723 | 24.53  | 26.01  | 29.381 | 1.017 | 14.634 |
| 10/8/2017 4:00  | 280800 | 116.48  | 19.231 | 265.494 | 34005.734 | 38217.133 | 24.506 | 25.988 | 29.407 | 1.017 | 14.63  |
| 10/8/2017 4:15  | 281700 | 116.472 | 19.231 | 265.475 | 34026.641 | 38240.207 | 24.523 | 26.003 | 29.389 | 1.017 | 14.63  |
| 10/8/2017 4:30  | 282600 | 116.47  | 19.231 | 265.471 | 34034.234 | 38249.023 | 24.529 | 26.009 | 29.382 | 1.017 | 14.633 |
| 10/8/2017 4:45  | 283500 | 116.469 | 19.23  | 265.469 | 34018.293 | 38231.68  | 24.517 | 25.998 | 29.396 | 1.017 | 14.633 |
| 10/8/2017 5:00  | 284400 | 116.475 | 19.231 | 265.483 | 34052.004 | 38269.133 | 24.543 | 26.023 | 29.367 | 1.017 | 14.629 |
| 10/8/2017 5:15  | 285300 | 116.479 | 19.23  | 265.491 | 34022.086 | 38236.16  | 24.52  | 26.001 | 29.393 | 1.017 | 14.624 |
| 10/8/2017 5:30  | 286200 | 116.471 | 19.23  | 265.472 | 34027.59  | 38242.195 | 24.524 | 26.005 | 29.388 | 1.017 | 14.632 |
| 10/8/2017 5:45  | 287100 | 116.468 | 19.23  | 265.466 | 34023.238 | 38217.523 | 24.521 | 26.002 | 29.391 | 1.017 | 14.63  |
| 10/8/2017 6:00  | 288000 | 116.46  | 19.23  | 265.449 | 34044.664 | 38260.965 | 24.538 | 26.017 | 29.373 | 1.017 | 14.631 |
| 10/8/2017 6:15  | 288900 | 116.458 | 19.23  | 265.444 | 34025.668 | 38239.898 | 24.523 | 26.003 | 29.39  | 1.017 | 14.637 |
| 10/8/2017 6:30  | 289800 | 116.451 | 19.23  | 265.427 | 34028.383 | 38242.738 | 24.525 | 26.005 | 29.387 | 1.017 | 14.631 |
| 10/8/2017 6:45  | 290700 | 116.447 | 19.23  | 265.418 | 34017.719 | 38230.887 | 24.516 | 25.997 | 29.396 | 1.017 | 14.636 |
| 10/8/2017 7:00  | 291600 | 116.448 | 19.23  | 265.42  | 34036.5   | 38251.789 | 24.531 | 26.011 | 29.38  | 1.017 | 14.637 |
| 10/8/2017 7:15  | 292500 | 116.445 | 19.23  | 265.445 | 34010.278 | 38222.758 | 24.51  | 25.991 | 29.403 | 1.017 | 14.633 |
| 10/8/2017 7:30  | 293400 | 116.454 | 19.23  | 265.454 | 34038.563 | 38254.657 | 24.533 | 26.013 | 29.378 | 1.017 | 14.631 |
| 10/8/2017 7:45  | 294300 | 116.451 | 19.231 | 265.427 | 34027.348 | 38241.422 | 24.524 | 26.004 | 29.388 | 1.017 | 14.636 |
| 10/8/2017 8:00  | 295200 | 116.447 | 19.231 | 265.418 | 34023.121 | 38236.395 | 24.52  | 26.001 | 29.392 | 1.017 | 14.634 |
| 10/8/2017 8:15  | 296100 | 116.458 | 19.231 | 265.444 | 34025.992 | 38239.48  | 24.522 | 26.003 | 29.389 | 1.017 | 14.632 |
| 10/8/2017 8:30  | 297000 | 116.442 | 19.23  | 265.408 | 34037.863 | 38253.527 | 24.532 | 26.012 | 29.379 | 1.017 | 14.639 |
| 10/8/2017 8:45  | 297900 | 116.442 | 19.23  | 265.407 | 34025.801 | 38239.969 | 24.523 | 26.003 | 29.389 | 1.017 | 14.64  |
| 10/8/2017 9:00  | 298800 | 116.446 | 19.23  | 265.416 | 34017.555 | 38230.566 | 24.516 | 25.997 | 29.397 | 1.017 | 14.639 |
| 10/8/2017 9:15  | 299700 | 116.464 | 19.23  | 265.458 | 34007.234 | 38218.969 | 24.508 | 25.989 | 29.406 | 1.017 | 14.64  |
| 10/8/2017 9:30  | 300600 | 116.456 | 19.23  | 265.438 | 34034.23  | 38249.953 | 24.53  | 26.01  | 29.382 | 1.017 | 14.639 |
| 10/8/2017 9:45  | 301500 | 116.459 | 19.23  | 265.445 | 34035.23  | 38250.715 | 24.53  | 26.01  | 29.381 | 1.017 | 14.644 |
| 10/8/2017 10:00 | 302400 | 116.473 | 19.23  | 265.478 | 34011.852 | 38224.727 | 24.512 | 25.993 | 29.402 | 1.017 | 14.636 |
| 10/8/2017 10:15 | 303300 | 116.477 | 19.23  | 265.488 | 34020.012 | 38233.828 | 24.518 | 25.999 | 29.394 | 1.017 | 14.637 |
| 10/8/2017 10:30 | 304200 | 116.485 | 19.23  | 265.506 | 34026.82  | 38241.051 | 24.523 | 26.004 | 29.389 | 1.017 | 14.629 |
| 10/8/2017 10:45 | 305100 | 116.49  | 19.231 | 265.517 | 34030.172 | 38244.246 | 24.526 | 26.006 | 29.386 | 1.017 | 14.631 |
| 10/8/2017 11:00 | 306000 | 116.493 | 19.231 | 265.524 | 34030.875 | 38244.816 | 24.526 | 26.006 | 29.385 | 1.017 | 14.635 |
| 10/8/2017 11:15 | 306900 | 116.498 | 19.231 | 265.534 | 34039.887 | 38255.313 | 24.534 | 26.014 | 29.377 | 1.017 | 14.627 |
| 10/8/2017 11:30 | 307800 | 116.52  | 19.231 | 265.586 | 34036.508 | 38251.367 | 24.531 | 26.011 | 29.38  | 1.017 | 14.63  |
| 10/8/2017 11:45 | 308700 | 116.518 | 19.23  | 265.58  | 34036.617 | 38252.059 | 24.531 | 26.011 | 29.38  | 1.017 | 14.63  |
| 10/8/2017 12:00 | 309600 | 116.526 | 19.23  | 265.621 | 34035.266 | 38249.921 | 24.53  | 26.01  | 29.381 | 1.017 | 14.631 |
| 10/8/2017 12:15 | 310500 | 116.539 | 19.231 | 265.629 | 34032.281 | 38246.766 | 24.527 | 26.008 | 29.384 | 1.017 | 14.625 |
| 10/8/2017 12:30 | 311400 | 116.546 | 19.23  | 265.645 | 34019.77  | 38233.699 | 24.518 | 25.999 | 29.395 | 1.017 | 14.63  |
| 10/8/2017 12:45 | 312300 | 116.561 | 19.23  | 265.678 | 34033.207 | 38248.293 | 24.529 | 26.009 | 29.383 | 1.017 | 14.628 |
| 10/8/2017 13:00 | 313200 | 116.568 | 19.231 | 265.694 | 34047.656 | 38264.047 | 24.54  | 26.02  | 29.371 | 1.017 | 14.629 |
| 10/8/2017 13:15 | 314100 | 116.577 | 19.231 | 265.715 | 34016.125 | 38228.672 | 24.515 | 25.995 | 29.398 | 1.017 | 14.623 |
| 10/8/2017 13:30 | 315000 | 116.579 | 19.23  | 265.719 | 34033.899 | 38248.636 | 24.53  | 26.009 | 29.386 | 1.017 | 14.63  |
| 10/8/2017 13:45 | 315900 | 116.589 | 19.23  | 265.741 | 34043.074 | 38259.18  | 24.536 | 26.016 | 29.375 | 1.017 | 14.613 |
| 10/8/2017 14:00 | 316800 | 116.588 | 19.231 | 265.74  | 34016.902 | 38229.543 | 24.515 | 25.996 | 29.397 | 1.017 | 14.623 |
| 10/8/2017 14:15 | 317700 | 116.597 | 19.23  | 265.761 | 34040.73  | 38256.684 | 24.534 | 26.015 | 29.377 | 1.017 | 14.619 |
| 10/8/2017 14:30 | 318600 | 116.609 | 19.231 | 265.788 | 34015.5   | 38227.906 | 24.514 | 25.995 | 29.398 | 1.017 | 14.617 |
| 10/8/2017 14:45 | 319500 | 116.604 | 19.23  | 265.777 | 34038.305 | 38253.887 | 24.533 | 26.013 | 29.379 | 1.017 | 14.613 |
| 10/8/2017 15:00 | 320400 | 116.617 | 19.231 | 265.807 | 34032.125 | 38246.789 | 24.527 | 26.008 | 29.384 | 1.017 | 14.608 |
| 10/8/2017 15:15 | 321300 | 116.601 | 19.23  | 265.77  | 34032.934 | 38248.133 | 24.528 | 26.009 | 29.383 | 1.017 | 14.613 |
| 10/8/2017 15:30 | 322200 | 116.612 | 19.23  | 265.795 | 34036.871 | 38252.207 | 24.531 | 26.012 | 29.38  | 1.017 | 14.613 |
| 10/8/2017 15:45 | 323100 | 116.609 | 19.23  | 265.788 | 34039.5   | 38255.23  | 24.533 | 26.014 | 29.378 | 1.017 | 14.608 |
| 10/8/2017 16:00 | 324000 | 116.603 | 19.231 | 265.775 | 34050.809 | 38267.215 | 24.542 | 26.022 | 29.368 | 1.017 | 14.608 |
| 10/8/2017 16:15 | 324900 | 116.602 | 19.231 | 265.773 | 34013.617 | 38225.922 | 24.513 | 25.994 | 29.4   | 1.017 | 14.611 |
| 10/8/2017 16:30 | 325800 | 116.604 | 19.23  | 265.776 | 34033.422 | 38248.32  | 24.529 | 26.009 | 29.383 | 1.017 | 14.609 |
| 10/8/2017 16:45 | 326700 | 116.588 | 19.23  | 265.739 | 34027.582 | 38241.836 | 24.524 | 26.004 | 29.388 | 1.017 | 14.611 |
| 10/8/2017 17:00 | 327600 | 116.582 | 19.23  | 265.727 | 34037.742 | 38253.391 | 24.532 | 26.012 | 29.379 | 1.017 | 14.611 |
| 10/8/2017 17:15 | 328500 | 116.59  | 19.23  | 265.744 | 34030.6   |           |        |        |        |       |        |

|                  |        |         |        |         |           |           |        |        |        |       |        |
|------------------|--------|---------|--------|---------|-----------|-----------|--------|--------|--------|-------|--------|
| 10/10/2017 1:30  | 444600 | 116.565 | 19.231 | 265.688 | 34081.223 | 38301.77  | 24.566 | 26.045 | 29.342 | 1.017 | 14.691 |
| 10/10/2017 1:45  | 445500 | 116.554 | 19.23  | 265.662 | 34087.668 | 38309.5   | 24.572 | 26.05  | 29.346 | 1.017 | 14.697 |
| 10/10/2017 2:00  | 446400 | 116.573 | 19.23  | 265.705 | 34064.684 | 38284.102 | 24.554 | 26.033 | 29.356 | 1.017 | 14.696 |
| 10/10/2017 2:15  | 447300 | 116.566 | 19.23  | 265.69  | 34056.309 | 38274.691 | 24.547 | 26.027 | 29.363 | 1.017 | 14.698 |
| 10/10/2017 2:30  | 448200 | 116.572 | 19.23  | 265.703 | 34074.363 | 38294.695 | 24.561 | 26.04  | 29.348 | 1.017 | 14.696 |
| 10/10/2017 2:45  | 449100 | 116.57  | 19.231 | 265.699 | 34067.418 | 38286.387 | 24.556 | 26.035 | 29.354 | 1.017 | 14.695 |
| 10/10/2017 3:00  | 450000 | 116.593 | 19.23  | 265.752 | 34067.258 | 38286.355 | 24.556 | 26.035 | 29.354 | 1.017 | 14.683 |
| 10/10/2017 3:15  | 450900 | 116.592 | 19.229 | 265.748 | 34083.637 | 38305.98  | 24.569 | 26.048 | 29.34  | 1.017 | 14.688 |
| 10/10/2017 3:30  | 451800 | 116.6   | 19.23  | 265.767 | 34075.566 | 38296.113 | 24.562 | 26.041 | 29.347 | 1.017 | 14.687 |
| 10/10/2017 3:45  | 452700 | 116.604 | 19.231 | 265.777 | 34070.309 | 38289.633 | 24.558 | 26.037 | 29.351 | 1.017 | 14.682 |
| 10/10/2017 4:00  | 453600 | 116.604 | 19.23  | 265.776 | 34071.129 | 38291.348 | 24.559 | 26.038 | 29.35  | 1.017 | 14.682 |
| 10/10/2017 4:15  | 454500 | 116.607 | 19.23  | 265.784 | 34080.789 | 38302.659 | 24.567 | 26.045 | 29.342 | 1.017 | 14.681 |
| 10/10/2017 4:30  | 455400 | 116.616 | 19.23  | 265.804 | 34072.441 | 38292.676 | 24.56  | 26.039 | 29.349 | 1.017 | 14.681 |
| 10/10/2017 4:45  | 456300 | 116.623 | 19.231 | 265.82  | 34085.227 | 38306.398 | 24.57  | 26.048 | 29.338 | 1.017 | 14.682 |
| 10/10/2017 5:00  | 457200 | 116.618 | 19.23  | 265.807 | 34089.477 | 38311.898 | 24.574 | 26.052 | 29.335 | 1.017 | 14.686 |
| 10/10/2017 5:15  | 458100 | 116.633 | 19.23  | 265.843 | 34062.828 | 38281.875 | 24.552 | 26.032 | 29.358 | 1.017 | 14.685 |
| 10/10/2017 5:30  | 459000 | 116.632 | 19.23  | 265.84  | 34090.734 | 38312.945 | 24.574 | 26.053 | 29.333 | 1.017 | 14.685 |
| 10/10/2017 5:45  | 459900 | 116.633 | 19.229 | 265.842 | 34083.891 | 38306.047 | 24.569 | 26.048 | 29.339 | 1.017 | 14.686 |
| 10/10/2017 6:00  | 460800 | 116.634 | 19.231 | 265.844 | 34105.227 | 38318.809 | 24.586 | 26.064 | 29.321 | 1.017 | 14.688 |
| 10/10/2017 6:15  | 461700 | 116.633 | 19.231 | 265.842 | 34081.391 | 38302.09  | 24.567 | 26.045 | 29.342 | 1.017 | 14.689 |
| 10/10/2017 6:30  | 462600 | 116.635 | 19.23  | 265.848 | 34086.785 | 38308.441 | 24.571 | 26.05  | 29.337 | 1.017 | 14.686 |
| 10/10/2017 6:45  | 463500 | 116.638 | 19.23  | 265.854 | 34085.457 | 38307.094 | 24.57  | 26.049 | 29.338 | 1.017 | 14.689 |
| 10/10/2017 7:00  | 464400 | 116.626 | 19.229 | 265.828 | 34079.652 | 38301.145 | 24.566 | 26.045 | 29.343 | 1.017 | 14.696 |
| 10/10/2017 7:15  | 465300 | 116.633 | 19.231 | 265.842 | 34079.281 | 38299.648 | 24.565 | 26.044 | 29.343 | 1.017 | 14.695 |
| 10/10/2017 7:30  | 466200 | 116.638 | 19.23  | 265.855 | 34066.344 | 38285.68  | 24.555 | 26.034 | 29.354 | 1.017 | 14.693 |
| 10/10/2017 7:45  | 467100 | 116.633 | 19.23  | 265.842 | 34077.105 | 38297.629 | 24.564 | 26.042 | 29.345 | 1.017 | 14.695 |
| 10/10/2017 8:00  | 468000 | 116.634 | 19.23  | 265.846 | 34064.293 | 38283.023 | 24.553 | 26.032 | 29.356 | 1.017 | 14.688 |
| 10/10/2017 8:15  | 468900 | 116.636 | 19.231 | 265.85  | 34070.238 | 38289.555 | 24.558 | 26.037 | 29.351 | 1.017 | 14.689 |
| 10/10/2017 8:30  | 469800 | 116.627 | 19.23  | 265.829 | 34070.457 | 38290.156 | 24.558 | 26.037 | 29.351 | 1.017 | 14.698 |
| 10/10/2017 8:45  | 470700 | 116.643 | 19.23  | 265.866 | 34064.813 | 38284.32  | 24.554 | 26.033 | 29.356 | 1.017 | 14.697 |
| 10/10/2017 9:00  | 471600 | 116.628 | 19.23  | 265.831 | 34072.483 | 38292.195 | 24.56  | 26.039 | 29.349 | 1.017 | 14.7   |
| 10/10/2017 9:15  | 472500 | 116.641 | 19.229 | 265.86  | 34066.059 | 38285.867 | 24.555 | 26.034 | 29.355 | 1.017 | 14.701 |
| 10/10/2017 9:30  | 473400 | 116.631 | 19.23  | 265.838 | 34076.184 | 38296.738 | 24.563 | 26.042 | 29.346 | 1.017 | 14.7   |
| 10/10/2017 9:45  | 474300 | 116.643 | 19.23  | 265.866 | 34075.148 | 38295.293 | 24.562 | 26.041 | 29.347 | 1.017 | 14.699 |
| 10/10/2017 10:00 | 475200 | 116.66  | 19.23  | 265.905 | 34079.449 | 38300.262 | 24.565 | 26.044 | 29.343 | 1.017 | 14.693 |
| 10/10/2017 10:15 | 476100 | 116.643 | 19.231 | 265.866 | 34086.383 | 38307.77  | 24.571 | 26.049 | 29.337 | 1.017 | 14.697 |
| 10/10/2017 10:30 | 477000 | 116.653 | 19.23  | 265.893 | 34078.443 | 38309.48  | 24.565 | 26.044 | 29.344 | 1.017 | 14.696 |
| 10/10/2017 10:45 | 477900 | 116.655 | 19.23  | 265.893 | 34082.063 | 38303.633 | 24.568 | 26.046 | 29.341 | 1.017 | 14.7   |
| 10/10/2017 11:00 | 478800 | 116.687 | 19.23  | 265.966 | 34069.523 | 38289.254 | 24.558 | 26.037 | 29.352 | 1.017 | 14.694 |
| 10/10/2017 11:15 | 479700 | 116.66  | 19.23  | 265.905 | 34077.355 | 38298.055 | 24.564 | 26.043 | 29.345 | 1.017 | 14.699 |
| 10/10/2017 11:30 | 480600 | 116.674 | 19.23  | 265.935 | 34080.641 | 38301.535 | 24.566 | 26.045 | 29.342 | 1.017 | 14.698 |
| 10/10/2017 11:45 | 481500 | 116.667 | 19.231 | 265.92  | 34083.332 | 38304.34  | 24.568 | 26.047 | 29.34  | 1.017 | 14.699 |
| 10/10/2017 12:00 | 482400 | 116.676 | 19.23  | 265.94  | 34086.382 | 38308.789 | 24.571 | 26.05  | 29.371 | 1.017 | 14.698 |
| 10/10/2017 12:15 | 483300 | 116.68  | 19.23  | 265.949 | 34082.93  | 38303.969 | 24.568 | 26.047 | 29.34  | 1.017 | 14.697 |
| 10/10/2017 12:30 | 484200 | 116.685 | 19.23  | 265.96  | 34066.078 | 38285.102 | 24.555 | 26.034 | 29.355 | 1.017 | 14.7   |
| 10/10/2017 12:45 | 485100 | 116.695 | 19.23  | 265.983 | 34073.477 | 38293.551 | 24.561 | 26.04  | 29.348 | 1.017 | 14.692 |
| 10/10/2017 13:00 | 486000 | 116.7   | 19.231 | 265.996 | 34078.617 | 38299.039 | 24.565 | 26.043 | 29.344 | 1.017 | 14.694 |
| 10/10/2017 13:15 | 486900 | 116.705 | 19.23  | 266.007 | 34062.934 | 38281.566 | 24.552 | 26.031 | 29.357 | 1.017 | 14.697 |
| 10/10/2017 13:30 | 487800 | 116.71  | 19.23  | 266.01  | 34099.863 | 38323.07  | 24.582 | 26.07  | 29.362 | 1.017 | 14.69  |
| 10/10/2017 13:45 | 488700 | 116.725 | 19.23  | 266.053 | 34071.633 | 38291.77  | 24.559 | 26.038 | 29.35  | 1.017 | 14.686 |
| 10/10/2017 14:00 | 489600 | 116.722 | 19.23  | 266.045 | 34082.801 | 38304.105 | 24.568 | 26.047 | 29.34  | 1.017 | 14.692 |
| 10/10/2017 14:15 | 490500 | 116.746 | 19.231 | 266.1   | 34082.109 | 38302.895 | 24.567 | 26.046 | 29.341 | 1.017 | 14.688 |
| 10/10/2017 14:30 | 491400 | 116.747 | 19.23  | 266.102 | 34089.496 | 38311.633 | 24.573 | 26.052 | 29.335 | 1.017 | 14.685 |
| 10/10/2017 14:45 | 492300 | 116.749 | 19.23  | 266.106 | 34077.523 | 38298.246 | 24.564 | 26.043 | 29.345 | 1.017 | 14.686 |
| 10/10/2017 15:00 | 493200 | 116.76  | 19.23  | 266.132 | 34085.375 | 38306.719 | 24.57  | 26.049 | 29.338 | 1.017 | 14.687 |
| 10/10/2017 15:15 | 494100 | 116.754 | 19.23  | 266.119 | 34079.934 | 38300.502 | 24.566 | 26.044 | 29.343 | 1.017 | 14.682 |
| 10/10/2017 15:30 | 495000 | 116.756 | 19.23  | 266.122 | 34080.285 | 38300.996 | 24.566 | 26.045 | 29.342 | 1.017 | 14.685 |
| 10/10/2017 15:45 | 495900 | 116.763 | 19.23  | 266.139 | 34075.969 | 38296.285 | 24.563 | 26.041 | 29.346 | 1.017 | 14.691 |
| 10/10/2017 16:00 | 496800 | 116.773 | 19.23  | 266.163 | 34072.457 | 38292.48  | 24.56  | 26.039 | 29.349 | 1.017 | 14.683 |
| 10/10/2017 16:15 | 497700 | 116.773 | 19.23  | 266.162 | 34096.18  | 38318.93  | 24.579 | 26.057 | 29.329 | 1.017 | 14.687 |
| 10/10/2017 16:30 | 498600 | 116.772 | 19.23  | 266.159 | 34072.984 | 38293.074 | 24.56  | 26.039 | 29.349 | 1.017 | 14.69  |
| 10/10/2017 16:45 | 499500 | 116.774 | 19.23  | 266.163 | 34081.226 | 38303.047 | 24.567 | 26.046 | 29.341 | 1.017 | 14.645 |
| 10/10/2017 17:00 | 500400 | 116.77  | 19.23  | 266.156 | 34089.363 | 38311.34  | 24.573 | 26.052 | 29.335 | 1.017 | 14.69  |
| 10/10/2017 17:15 | 501300 | 116.771 | 19.23  | 266.157 | 34082.184 | 38303.27  | 24.568 | 26.046 | 29.341 | 1.017 | 14.689 |
| 10/10/2017 17:30 | 502200 | 116.777 | 19.23  | 266.17  | 34075.465 | 38295.582 | 24.562 | 26.041 | 29.347 | 1.017 | 14.683 |
| 10/10/2017 17:45 | 503100 | 116.76  | 19.231 | 266.132 | 34101.371 | 38324.613 | 24.583 | 26.061 | 29.324 | 1.017 | 14.685 |
| 10/10/2017 18:00 | 504000 | 116.764 | 19.23  | 266.142 | 34095.891 | 38318.676 | 24.578 | 26.057 | 29.329 | 1.017 | 14.689 |
| 10/10/2017 18:15 | 504900 | 116.753 | 19.231 | 266.116 | 34075.383 | 38295.216 | 24.562 | 26.041 | 29.347 | 1.017 | 14.687 |
| 10/10/2017 18:30 | 505800 | 116.754 | 19.23  | 266.119 | 34085.563 | 38306.996 | 24.57  | 26.049 | 29.338 | 1.017 | 14.689 |
| 10/10/2017 18:45 | 506700 | 116.743 | 19.23  | 266.093 | 34068.707 | 38288.699 | 24.557 | 26.036 | 29.352 | 1.017 | 14.687 |
| 10/10/2017 19:00 | 507600 | 116.731 | 19.23  | 266.065 | 34077.395 | 38298.031 | 24.564 | 26.043 | 29.345 | 1.017 | 14.688 |
| 10/10/2017 19:15 | 508500 | 116.717 | 19.23  | 266.035 | 34087.957 | 38310.039 | 24.572 | 26.051 | 29.336 | 1.017 | 14.693 |
| 10/10/2017 19:30 | 509400 | 116.719 | 19.23  | 266.039 | 34071.688 | 38291.688 | 24.559 | 26.038 | 29.35  | 1.017 | 14.692 |
| 10/10/2017 19:45 | 510300 | 116.701 | 19.23  | 265.998 | 34084.957 | 38306.098 | 24.57  | 26.048 | 29.338 | 1.017 | 14.696 |
| 10/10/2017 20:00 | 511200 | 116.71  | 19.229 | 266.019 | 34081.895 | 38303.879 | 24.568 | 26.047 | 29.341 | 1.017 | 14.691 |
| 10/10/2017 20:15 | 512100 | 116.693 | 19.23  | 265.979 | 34096.996 | 38319.918 | 24.579 | 26.058 | 29.328 | 1.017 | 14.689 |
| 10/10/2017 20:30 | 513000 | 116.665 | 19.229 | 265.915 | 34062.535 | 38282.043 | 24.552 | 26.032 | 29.358 | 1.017 | 14.701 |
| 10/10/2017 20:45 | 513900 | 116.663 | 19.23  | 265.911 | 34081.523 | 38302.957 | 24.567 | 26.046 | 29.341 | 1.017 | 14.693 |
| 10/10/2017 21:00 | 514800 | 116.658 | 19.23  | 265.899 | 34074.617 | 38295.266 | 24.562 | 26.041 | 29.347 | 1.017 | 14.691 |
| 10/10/2017 21:15 | 515700 | 116.645 | 19.23  | 265.87  | 34087.703 | 38309.829 | 24.572 | 26.051 | 29.336 | 1.017 | 14.696 |
| 10/10/2017 21:30 | 516600 | 116.653 | 19.23  | 265.889 | 34076.402 | 38296.633 | 24.563 | 26.042 | 29.346 | 1.017 | 14.694 |
| 10/10/2017 21:45 | 517500 | 116.638 | 19.229 | 265.853 | 34077.797 | 38299.063 | 24.565 | 26.043 | 29.345 | 1.017 |        |

Serial\_number: 1068256

Project ID:

MPWSP MW-7M

Location:

MPWSP MW-7M

LEVEL

UNIT: ft

Offset: 0.000000 ft

Altitude: 0.000000 ft

Density: 1.000000 kg/L

TEMPERATURE

UNIT: Deg C

CONDUCTIVITY

UNIT: μS/cm

| Date | Time      | ms       | LEVEL | TEMPERATURE | CONDUCTIVITY |        |
|------|-----------|----------|-------|-------------|--------------|--------|
|      | 10/5/2017 | 0:00:00  | 0     | 134.422     | 21           | 5390.3 |
|      | 10/5/2017 | 0:15:00  | 0     | 134.429     | 21           | 5450.8 |
|      | 10/5/2017 | 0:30:00  | 0     | 134.449     | 21           | 5365.4 |
|      | 10/5/2017 | 0:45:00  | 0     | 134.471     | 21           | 5355.7 |
|      | 10/5/2017 | 1:00:00  | 0     | 134.475     | 21           | 5413   |
|      | 10/5/2017 | 1:15:00  | 0     | 134.456     | 21           | 5438.9 |
|      | 10/5/2017 | 1:30:00  | 0     | 134.455     | 21           | 5369.8 |
|      | 10/5/2017 | 1:45:00  | 0     | 134.476     | 21           | 5374.1 |
|      | 10/5/2017 | 2:00:00  | 0     | 134.495     | 21           | 5329.8 |
|      | 10/5/2017 | 2:15:00  | 0     | 134.492     | 21           | 5334.1 |
|      | 10/5/2017 | 2:30:00  | 0     | 134.458     | 21           | 5284.4 |
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|      | 10/5/2017 | 3:00:00  | 0     | 134.462     | 21           | 5355.7 |
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|      | 10/5/2017 | 3:30:00  | 0     | 134.464     | 21           | 5416.2 |
|      | 10/5/2017 | 3:45:00  | 0     | 134.463     | 21           | 5340.6 |
|      | 10/5/2017 | 4:00:00  | 0     | 134.49      | 21           | 5394.6 |
|      | 10/5/2017 | 4:15:00  | 0     | 134.493     | 21           | 5353.6 |
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|      | 10/5/2017 | 4:45:00  | 0     | 134.448     | 21           | 5473.4 |
|      | 10/5/2017 | 5:00:00  | 0     | 134.489     | 21           | 5468   |
|      | 10/5/2017 | 5:15:00  | 0     | 134.493     | 21           | 5490.7 |
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|      | 10/5/2017 | 6:00:00  | 0     | 134.455     | 21           | 5526.4 |
|      | 10/5/2017 | 6:15:00  | 0     | 134.513     | 21           | 5590.1 |
|      | 10/5/2017 | 6:30:00  | 0     | 134.492     | 21           | 5581.4 |
|      | 10/5/2017 | 6:45:00  | 0     | 134.493     | 21           | 5618.2 |
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|      | 10/5/2017 | 7:15:00  | 0     | 134.452     | 21           | 5606.3 |
|      | 10/5/2017 | 7:30:00  | 0     | 134.436     | 21           | 5659.2 |
|      | 10/5/2017 | 7:45:00  | 0     | 134.471     | 21           | 5647.3 |
|      | 10/5/2017 | 8:00:00  | 0     | 134.489     | 21           | 5635.4 |
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|      | 10/5/2017 | 10:00:00 | 0     | 134.467     | 21           | 5377.3 |
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|      | 10/5/2017 | 10:30:00 | 0     | 134.492     | 21           | 5214.2 |
|      | 10/5/2017 | 10:45:00 | 0     | 134.493     | 21           | 5293.1 |
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|      | 10/5/2017 | 11:45:00 | 0     | 134.519     | 21           | 5059.8 |
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|      | 10/5/2017 | 13:00:00 | 0     | 134.518     | 21           | 5185.1 |
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|      | 10/5/2017 | 13:45:00 | 0     | 134.518     | 21           | 5018.8 |
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|      | 10/5/2017 | 14:30:00 | 0     | 134.512     | 21           | 5080.3 |
|      | 10/5/2017 | 14:45:00 | 0     | 134.551     | 21           | 5121.4 |
|      | 10/5/2017 | 15:00:00 | 0     | 134.496     | 21           | 5116   |
|      | 10/5/2017 | 15:15:00 | 0     | 134.518     | 21           | 5114.9 |
|      | 10/5/2017 | 15:30:00 | 0     | 134.498     | 21           | 5079.2 |
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|      | 10/5/2017 | 16:00:00 | 0     | 134.525     | 21           | 5072.8 |
|      | 10/5/2017 | 16:15:00 | 0     | 134.495     | 21           | 5058.7 |
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|      | 10/5/2017 | 17:00:00 | 0     | 134.506     | 21           | 5107.3 |
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|      | 10/5/2017 | 18:30:00 | 0     | 134.483     | 21           | 5351.4 |
|      | 10/5/2017 | 18:45:00 | 0     | 134.485     | 21           | 5296.3 |
|      | 10/5/2017 | 19:00:00 | 0     | 134.526     | 21           | 5326.6 |
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|      | 10/5/2017 | 19:45:00 | 0     | 134.478     | 21           | 5436.7 |

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| 10/5/2017 | 20:00:00 | 0 | 134.533 | 21 | 5361.1 |
| 10/5/2017 | 20:15:00 | 0 | 134.474 | 21 | 5311.4 |
| 10/5/2017 | 20:30:00 | 0 | 134.489 | 21 | 5455.1 |
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| 10/5/2017 | 21:00:00 | 0 | 134.459 | 21 | 5425.9 |
| 10/5/2017 | 21:15:00 | 0 | 134.439 | 21 | 5398.9 |
| 10/5/2017 | 21:30:00 | 0 | 134.474 | 21 | 5508   |
| 10/5/2017 | 21:45:00 | 0 | 134.449 | 21 | 5428.1 |
| 10/5/2017 | 22:00:00 | 0 | 134.466 | 21 | 5430.2 |
| 10/5/2017 | 22:15:00 | 0 | 134.483 | 21 | 5408.6 |
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| 10/5/2017 | 22:45:00 | 0 | 134.458 | 21 | 5395.7 |
| 10/5/2017 | 23:00:00 | 0 | 134.476 | 21 | 5502.6 |
| 10/5/2017 | 23:15:00 | 0 | 134.456 | 21 | 5408.6 |
| 10/5/2017 | 23:30:00 | 0 | 134.457 | 21 | 5347.1 |
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| 10/6/2017 | 0:00:00  | 0 | 134.469 | 21 | 5398.9 |
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| 10/6/2017 | 4:00:00  | 0 | 134.47  | 21 | 5384.9 |
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| 10/6/2017 | 5:45:00  | 0 | 134.413 | 21 | 5578.2 |
| 10/6/2017 | 6:00:00  | 0 | 134.471 | 21 | 5462.6 |
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| 10/6/2017 | 15:00:00 | 0 | 134.463 | 21 | 5181.8 |
| 10/6/2017 | 15:15:00 | 0 | 134.443 | 21 | 5229.4 |
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| 10/6/2017 | 16:30:00 | 0 | 134.483 | 21 | 5352.5 |
| 10/6/2017 | 16:45:00 | 0 | 134.422 | 21 | 5305   |
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| 10/6/2017 | 18:00:00 | 0 | 134.424 | 21 | 5351.4 |
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| 10/6/2017 | 19:45:00 | 0 | 134.421 | 21 | 5550.1 |

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| 10/6/2017 | 20:00:00 | 0 | 134.438 | 21 | 5663.5 |
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| 10/6/2017 | 20:30:00 | 0 | 134.399 | 21 | 5582.5 |
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| 10/6/2017 | 21:00:00 | 0 | 134.377 | 21 | 5651.6 |
| 10/6/2017 | 21:15:00 | 0 | 134.397 | 21 | 5577.1 |
| 10/6/2017 | 21:30:00 | 0 | 134.376 | 21 | 5683   |
| 10/6/2017 | 21:45:00 | 0 | 134.373 | 21 | 5617.1 |
| 10/6/2017 | 22:00:00 | 0 | 134.413 | 21 | 5609.5 |
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| 10/6/2017 | 23:45:00 | 0 | 134.388 | 21 | 5498.3 |
| 10/7/2017 | 0:00:00  | 0 | 134.416 | 21 | 5517.7 |
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| 10/7/2017 | 0:30:00  | 0 | 134.404 | 21 | 5531.8 |
| 10/7/2017 | 0:45:00  | 0 | 134.406 | 21 | 5485.3 |
| 10/7/2017 | 1:00:00  | 0 | 134.428 | 21 | 5370.8 |
| 10/7/2017 | 1:15:00  | 0 | 134.411 | 21 | 5435.6 |
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| 10/9/2017  | 22:45:00 | 0 | 134.705 | 21   | 5528.5 |
| 10/9/2017  | 23:00:00 | 0 | 134.688 | 21   | 5544.7 |
| 10/9/2017  | 23:15:00 | 0 | 134.686 | 21   | 5612.8 |
| 10/9/2017  | 23:30:00 | 0 | 134.668 | 21   | 5565.2 |
| 10/9/2017  | 23:45:00 | 0 | 134.694 | 21   | 5629   |
| 10/10/2017 | 0:00:00  | 0 | 134.709 | 21   | 5646.2 |
| 10/10/2017 | 0:15:00  | 0 | 134.671 | 21   | 5637.6 |
| 10/10/2017 | 0:30:00  | 0 | 134.697 | 21   | 5724   |
| 10/10/2017 | 0:45:00  | 0 | 134.685 | 21   | 5645.2 |
| 10/10/2017 | 1:00:00  | 0 | 134.683 | 21   | 5667.8 |
| 10/10/2017 | 1:15:00  | 0 | 134.683 | 21   | 5567.4 |
| 10/10/2017 | 1:30:00  | 0 | 134.662 | 21   | 5598.7 |
| 10/10/2017 | 1:45:00  | 0 | 134.66  | 21   | 5707.8 |
| 10/10/2017 | 2:00:00  | 0 | 134.678 | 21   | 5659.2 |
| 10/10/2017 | 2:15:00  | 0 | 134.702 | 21   | 5676.5 |
| 10/10/2017 | 2:30:00  | 0 | 134.685 | 21   | 5624.6 |
| 10/10/2017 | 2:45:00  | 0 | 134.692 | 21   | 5637.6 |
| 10/10/2017 | 3:00:00  | 0 | 134.676 | 21   | 5636.5 |
| 10/10/2017 | 3:15:00  | 0 | 134.68  | 21   | 5536.1 |
| 10/10/2017 | 3:30:00  | 0 | 134.683 | 21   | 5658.1 |
| 10/10/2017 | 3:45:00  | 0 | 134.729 | 21   | 5577.1 |
| 10/10/2017 | 4:00:00  | 0 | 134.709 | 21   | 5490.7 |
| 10/10/2017 | 4:15:00  | 0 | 134.688 | 21   | 5554.4 |
| 10/10/2017 | 4:30:00  | 0 | 134.725 | 21   | 5406.5 |
| 10/10/2017 | 4:45:00  | 0 | 134.708 | 21   | 5384.9 |
| 10/10/2017 | 5:00:00  | 0 | 134.704 | 21   | 5508   |
| 10/10/2017 | 5:15:00  | 0 | 134.685 | 21   | 5403.2 |
| 10/10/2017 | 5:30:00  | 0 | 134.723 | 21   | 5377.3 |
| 10/10/2017 | 5:45:00  | 0 | 134.719 | 21   | 5422.7 |
| 10/10/2017 | 6:00:00  | 0 | 134.759 | 21.1 | 5410.5 |
| 10/10/2017 | 6:15:00  | 0 | 134.739 | 21   | 5355.7 |
| 10/10/2017 | 6:30:00  | 0 | 134.755 | 21.1 | 5384.6 |
| 10/10/2017 | 6:45:00  | 0 | 134.733 | 21   | 5468   |
| 10/10/2017 | 7:00:00  | 0 | 134.712 | 21   | 5340.6 |
| 10/10/2017 | 7:15:00  | 0 | 134.771 | 21   | 5409.7 |
| 10/10/2017 | 7:30:00  | 0 | 134.751 | 21   | 5390.3 |
| 10/10/2017 | 7:45:00  | 0 | 134.754 | 21.1 | 5325.3 |
| 10/10/2017 | 8:00:00  | 0 | 134.772 | 21   | 5455.1 |
| 10/10/2017 | 8:15:00  | 0 | 134.745 | 21   | 5371.9 |
| 10/10/2017 | 8:30:00  | 0 | 134.757 | 21   | 5347.1 |
| 10/10/2017 | 8:45:00  | 0 | 134.789 | 21   | 5414   |
| 10/10/2017 | 9:00:00  | 0 | 134.786 | 21   | 5403.2 |
| 10/10/2017 | 9:15:00  | 0 | 134.761 | 21   | 5424.8 |
| 10/10/2017 | 9:30:00  | 0 | 134.762 | 21   | 5514.5 |
| 10/10/2017 | 9:45:00  | 0 | 134.783 | 21   | 5407.6 |
| 10/10/2017 | 10:00:00 | 0 | 134.783 | 21.1 | 5470.9 |
| 10/10/2017 | 10:15:00 | 0 | 134.789 | 21.1 | 5435.3 |
| 10/10/2017 | 10:30:00 | 0 | 134.774 | 21.1 | 5434.2 |
| 10/10/2017 | 10:45:00 | 0 | 134.755 | 21.1 | 5380.3 |
| 10/10/2017 | 11:00:00 | 0 | 134.776 | 21.1 | 5404   |
| 10/10/2017 | 11:15:00 | 0 | 134.756 | 21.1 | 5408.3 |
| 10/10/2017 | 11:30:00 | 0 | 134.793 | 21   | 5421.6 |
| 10/10/2017 | 11:45:00 | 0 | 134.773 | 21   | 5438.9 |
| 10/10/2017 | 12:00:00 | 0 | 134.788 | 21   | 5347.1 |
| 10/10/2017 | 12:15:00 | 0 | 134.793 | 21   | 5424.8 |
| 10/10/2017 | 12:30:00 | 0 | 134.797 | 21   | 5375.2 |
| 10/10/2017 | 12:45:00 | 0 | 134.78  | 21   | 5298.5 |
| 10/10/2017 | 13:00:00 | 0 | 134.784 | 21   | 5441   |
| 10/10/2017 | 13:15:00 | 0 | 134.787 | 21   | 5280.1 |
| 10/10/2017 | 13:30:00 | 0 | 134.791 | 21   | 5342.8 |
| 10/10/2017 | 13:45:00 | 0 | 134.809 | 21   | 5273.6 |
| 10/10/2017 | 14:00:00 | 0 | 134.813 | 21   | 5218.6 |
| 10/10/2017 | 14:15:00 | 0 | 134.819 | 21   | 5307.1 |
| 10/10/2017 | 14:30:00 | 0 | 134.816 | 21   | 5294.2 |
| 10/10/2017 | 14:45:00 | 0 | 134.815 | 21   | 5339.5 |
| 10/10/2017 | 15:00:00 | 0 | 134.817 | 21   | 5120.3 |
| 10/10/2017 | 15:15:00 | 0 | 134.816 | 21   | 5280.1 |
| 10/10/2017 | 15:30:00 | 0 | 134.833 | 21   | 5218.6 |
| 10/10/2017 | 15:45:00 | 0 | 134.832 | 21   | 5150.5 |
| 10/10/2017 | 16:00:00 | 0 | 134.834 | 21   | 5163.5 |
| 10/10/2017 | 16:15:00 | 0 | 134.835 | 21   | 5108.4 |
| 10/10/2017 | 16:30:00 | 0 | 134.827 | 21   | 5120.3 |
| 10/10/2017 | 16:45:00 | 0 | 134.849 | 21   | 5246.6 |
| 10/10/2017 | 17:00:00 | 0 | 134.83  | 21   | 5152.7 |
| 10/10/2017 | 17:15:00 | 0 | 134.833 | 21   | 5055.5 |
| 10/10/2017 | 17:30:00 | 0 | 134.812 | 21   | 5116   |
| 10/10/2017 | 17:45:00 | 0 | 134.834 | 21   | 5117   |
| 10/10/2017 | 18:00:00 | 0 | 134.808 | 21   | 5122.4 |
| 10/10/2017 | 18:15:00 | 0 | 134.792 | 21   | 5134.3 |
| 10/10/2017 | 18:30:00 | 0 | 134.786 | 21   | 5087.9 |
| 10/10/2017 | 18:45:00 | 0 | 134.827 | 21   | 5162.4 |
| 10/10/2017 | 19:00:00 | 0 | 134.827 | 21   | 5131.1 |
| 10/10/2017 | 19:15:00 | 0 | 134.802 | 21   | 5092.2 |
| 10/10/2017 | 19:30:00 | 0 | 134.803 | 21   | 5126.8 |
| 10/10/2017 | 19:45:00 | 0 | 134.801 | 21   | 5214.2 |

|            |          |   |         |    |        |
|------------|----------|---|---------|----|--------|
| 10/10/2017 | 20:00:00 | 0 | 134.817 | 21 | 5251   |
| 10/10/2017 | 20:15:00 | 0 | 134.761 | 21 | 5275.8 |
| 10/10/2017 | 20:30:00 | 0 | 134.801 | 21 | 5270.4 |
| 10/10/2017 | 20:45:00 | 0 | 134.762 | 21 | 5340.6 |
| 10/10/2017 | 21:00:00 | 0 | 134.782 | 21 | 5289.8 |
| 10/10/2017 | 21:15:00 | 0 | 134.758 | 21 | 5294.2 |
| 10/10/2017 | 21:30:00 | 0 | 134.755 | 21 | 5414   |
| 10/10/2017 | 21:45:00 | 0 | 134.753 | 21 | 5458.3 |
| 10/10/2017 | 22:00:00 | 0 | 134.733 | 21 | 5388.1 |
| 10/10/2017 | 22:15:00 | 0 | 134.751 | 21 | 5509.1 |
| 10/10/2017 | 22:30:00 | 0 | 134.688 | 21 | 5553.4 |
| 10/10/2017 | 22:45:00 | 0 | 134.723 | 21 | 5518.8 |
| 10/10/2017 | 23:00:00 | 0 | 134.738 | 21 | 5605.2 |
| 10/10/2017 | 23:15:00 | 0 | 134.663 | 21 | 5490.7 |
| 10/10/2017 | 23:30:00 | 0 | 134.661 | 21 | 5555.5 |
| 10/10/2017 | 23:45:00 | 0 | 134.703 | 21 | 5550.1 |
| 10/11/2017 | 0:00:00  | 0 | 134.664 | 21 | 5600.9 |
| 10/11/2017 | 0:15:00  | 0 | 134.686 | 21 | 5542.6 |
| 10/11/2017 | 0:30:00  | 0 | 134.664 | 21 | 5598.7 |
| 10/11/2017 | 0:45:00  | 0 | 134.685 | 21 | 5640.8 |
| 10/11/2017 | 1:00:00  | 0 | 134.685 | 21 | 5690.5 |
| 10/11/2017 | 1:15:00  | 0 | 134.668 | 21 | 5542.6 |
| 10/11/2017 | 1:30:00  | 0 | 134.691 | 21 | 5673.2 |
| 10/11/2017 | 1:45:00  | 0 | 134.671 | 21 | 5662.4 |
| 10/11/2017 | 2:00:00  | 0 | 134.671 | 21 | 5641.9 |
| 10/11/2017 | 2:15:00  | 0 | 134.693 | 21 | 5592.2 |
| 10/11/2017 | 2:30:00  | 0 | 134.638 | 21 | 5560.9 |
| 10/11/2017 | 2:45:00  | 0 | 134.66  | 21 | 5640.8 |
| 10/11/2017 | 3:00:00  | 0 | 134.666 | 21 | 5614.9 |
| 10/11/2017 | 3:15:00  | 0 | 134.709 | 21 | 5730.5 |
| 10/11/2017 | 3:30:00  | 0 | 134.655 | 21 | 5626.8 |
| 10/11/2017 | 3:45:00  | 0 | 134.677 | 21 | 5554.4 |
| 10/11/2017 | 4:00:00  | 0 | 134.676 | 21 | 5637.6 |
| 10/11/2017 | 4:15:00  | 0 | 134.695 | 21 | 5471.3 |
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| 10/11/2017 | 4:45:00  | 0 | 134.697 | 21 | 5568.5 |
| 10/11/2017 | 5:00:00  | 0 | 134.676 | 21 | 5560.9 |
| 10/11/2017 | 5:15:00  | 0 | 134.678 | 21 | 5421.6 |
| 10/11/2017 | 5:30:00  | 0 | 134.671 | 21 | 5448.6 |
| 10/11/2017 | 5:45:00  | 0 | 134.709 | 21 | 5443.2 |
| 10/11/2017 | 6:00:00  | 0 | 134.742 | 21 | 5450.8 |
| 10/11/2017 | 6:15:00  | 0 | 134.684 | 21 | 5494   |
| 10/11/2017 | 6:30:00  | 0 | 134.719 | 21 | 5301.7 |
| 10/11/2017 | 6:45:00  | 0 | 134.738 | 21 | 5397.8 |
| 10/11/2017 | 7:00:00  | 0 | 134.714 | 21 | 5416.2 |
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| 10/11/2017 | 7:30:00  | 0 | 134.726 | 21 | 5518.8 |
| 10/11/2017 | 7:45:00  | 0 | 134.74  | 21 | 5400   |
| 10/11/2017 | 8:00:00  | 0 | 134.734 | 21 | 5389.2 |
| 10/11/2017 | 8:15:00  | 0 | 134.747 | 21 | 5438.9 |
| 10/11/2017 | 8:30:00  | 0 | 134.745 | 21 | 5343.8 |
| 10/11/2017 | 8:45:00  | 0 | 134.738 | 21 | 5430.2 |
| 10/11/2017 | 9:00:00  | 0 | 134.709 | 21 | 5407.6 |
| 10/11/2017 | 9:15:00  | 0 | 134.779 | 21 | 5490.7 |
| 10/11/2017 | 9:30:00  | 0 | 134.718 | 21 | 5475.6 |
| 10/11/2017 | 9:45:00  | 0 | 134.709 | 21 | 5386   |
| 10/11/2017 | 10:00:00 | 0 | 134.726 | 21 | 5383.8 |
| 10/11/2017 | 10:15:00 | 0 | 134.767 | 21 | 5398.9 |
| 10/11/2017 | 10:30:00 | 0 | 134.687 | 21 | 5339.5 |
| 10/11/2017 | 10:45:00 | 0 | 134.709 | 21 | 5404.3 |
| 10/11/2017 | 11:00:00 | 0 | 134.708 | 21 | 5452.9 |
| 10/11/2017 | 11:15:00 | 0 | 134.768 | 21 | 5375.2 |
| 10/11/2017 | 11:30:00 | 0 | 134.748 | 21 | 5417.3 |
| 10/11/2017 | 11:45:00 | 0 | 134.75  | 21 | 5422.7 |
| 10/11/2017 | 12:00:00 | 0 | 134.73  | 21 | 5450.8 |
| 10/11/2017 | 12:15:00 | 0 | 134.735 | 21 | 5347.1 |
| 10/11/2017 | 12:30:00 | 0 | 134.761 | 21 | 5416.2 |
| 10/11/2017 | 12:45:00 | 0 | 134.742 | 21 | 5340.6 |
| 10/11/2017 | 13:00:00 | 0 | 134.747 | 21 | 5450.8 |
| 10/11/2017 | 13:15:00 | 0 | 134.789 | 21 | 5392.4 |
| 10/11/2017 | 13:30:00 | 0 | 134.753 | 21 | 5371.9 |
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| 10/11/2017 | 14:00:00 | 0 | 134.744 | 21 | 5306   |
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| 10/11/2017 | 14:30:00 | 0 | 134.791 | 21 | 5355.7 |
| 10/11/2017 | 14:45:00 | 0 | 134.793 | 21 | 5265   |
| 10/11/2017 | 15:00:00 | 0 | 134.813 | 21 | 5333   |
| 10/11/2017 | 15:15:00 | 0 | 134.831 | 21 | 5243.4 |
| 10/11/2017 | 15:30:00 | 0 | 134.793 | 21 | 5298.5 |
| 10/11/2017 | 15:45:00 | 0 | 134.771 | 21 | 5233.7 |
| 10/11/2017 | 16:00:00 | 0 | 134.812 | 21 | 5191.6 |
| 10/11/2017 | 16:15:00 | 0 | 134.813 | 21 | 5205.6 |
| 10/11/2017 | 16:30:00 | 0 | 134.813 | 21 | 5269.3 |
| 10/11/2017 | 16:45:00 | 0 | 134.832 | 21 | 5163.5 |
| 10/11/2017 | 17:00:00 | 0 | 134.816 | 21 | 5065.2 |
| 10/11/2017 | 17:15:00 | 0 | 134.819 | 21 | 5213.2 |
| 10/11/2017 | 17:30:00 | 0 | 134.804 | 21 | 5193.7 |
| 10/11/2017 | 17:45:00 | 0 | 134.802 | 21 | 5094.4 |
| 10/11/2017 | 18:00:00 | 0 | 134.819 | 21 | 5128.9 |
| 10/11/2017 | 18:15:00 | 0 | 134.819 | 21 | 5118.1 |
| 10/11/2017 | 18:30:00 | 0 | 134.84  | 21 | 5193.7 |
| 10/11/2017 | 18:45:00 | 0 | 134.814 | 21 | 5134.3 |
| 10/11/2017 | 19:00:00 | 0 | 134.83  | 21 | 5228.3 |
| 10/11/2017 | 19:15:00 | 0 | 134.826 | 21 | 5140.8 |
| 10/11/2017 | 19:30:00 | 0 | 134.807 | 21 | 5108.4 |
| 10/11/2017 | 19:45:00 | 0 | 134.803 | 21 | 5072.8 |

|            |          |   |         |    |        |
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| 10/11/2017 | 20:00:00 | 0 | 134.857 | 21 | 5120.3 |
| 10/11/2017 | 20:15:00 | 0 | 134.814 | 21 | 5181.8 |
| 10/11/2017 | 20:30:00 | 0 | 134.829 | 21 | 5193.7 |
| 10/11/2017 | 20:45:00 | 0 | 134.803 | 21 | 5211   |
| 10/11/2017 | 21:00:00 | 0 | 134.794 | 21 | 5157   |
| 10/11/2017 | 21:15:00 | 0 | 134.85  | 21 | 5213.2 |
| 10/11/2017 | 21:30:00 | 0 | 134.805 | 21 | 5166.7 |
| 10/11/2017 | 21:45:00 | 0 | 134.783 | 21 | 5194.8 |
| 10/11/2017 | 22:00:00 | 0 | 134.8   | 21 | 5190.5 |
| 10/11/2017 | 22:15:00 | 0 | 134.777 | 21 | 5171   |
| 10/11/2017 | 22:30:00 | 0 | 134.813 | 21 | 5280.1 |
| 10/11/2017 | 22:45:00 | 0 | 134.788 | 21 | 5316.8 |
| 10/11/2017 | 23:00:00 | 0 | 134.784 | 21 | 5319   |
| 10/11/2017 | 23:15:00 | 0 | 134.799 | 21 | 5268.2 |
| 10/11/2017 | 23:30:00 | 0 | 134.782 | 21 | 5333   |
| 10/11/2017 | 23:45:00 | 0 | 134.763 | 21 | 5323.3 |

Report Date: 10/13/2017 8:36  
Report User Name: WMassoll  
Report Computer Name: WKST52  
Application: WinSitu.exe  
Application Version: 5.6.27.1

Log File Properties  
File Name MPWSP MW-75 LT Test\_2017-10-12\_12-44-42-166-BaroMerge.wsl  
Create Date 10/13/2017 8:31

Device Properties  
Device Aqua TROLL 200  
Site MPWSP MW-75  
Device Name  
Serial Number 427086  
Firmware Version 2  
Hardware Version 3  
Device Address 1  
Device Comm Cfg 19200 8 Even 1 (Modbus-RTU)  
Used Memory 0  
Used Battery 0

Log Configuration  
Log Name MPWSP MW-75 LT Test  
Created By CShaw  
Computer Name PROBOOK3  
Application WinSitu.exe  
Application Version 5.6.25.0  
Create Date 11/28/2015 4:09:42 PM Pacific Standard Time  
Log Setup Time Zone Pacific Standard Time  
Notes Size(bytes) 4096  
Overwrite when full Disabled  
Scheduled Start Time 11/28/2015 5:00:00 PM Pacific Standard Time  
Scheduled Stop Time No Stop Time  
Type Linear  
Interval Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation  
Level Measurement Mode Specific Gravity  
Depth 1.012

Other Log Settings  
Depth of Probe: 33.5876 (ft)  
Head Pressure: 14.7359 (PSI)  
Temperature: 22.1337 (C)  
Specific Conductivity Model: Standard Methods  
Reference Temperature: 25  
Temperature Coefficient: 0.0191  
TDS Factor: 0.68

Log Notes:  
Date and Time Note  
11/28/2015 16:09 Used Battery: 0% Used Memory: 1% User Name: CShaw  
11/28/2015 16:10 Sensor SN: 427086 Cache Timeout: 1000 User Name: CShaw  
11/28/2015 16:11 Device Taken Offline  
11/28/2015 16:13 Conductivity calibration.  
Sensor SN: 427086  
Cell Constant: 1.01973 Cell Offset: 0  
Reference Temperature: 25 Temperature Coefficient: 0.0191 User Name: CShaw  
11/28/2015 16:14 Device Put Online  
11/28/2015 16:14 Sensor SN: 427086 Cache Timeout: 1750 User Name: CShaw  
11/29/2015 12:55 Log Download - Used Battery: 0% Used Memory: 1% User Name: CShaw  
12/3/2015 8:40 Log Download - Used Battery: 0% Used Memory: 1% User Name: KMakar  
12/10/2015 10:54 Log Download - Used Battery: 0% Used Memory: 3% User Name: CShaw Interval - Start Time: 11/28/2015 5:00:00 PM Stop Time: 12/10/2015 11:30:00 AM  
12/17/2015 10:22 Log Download - Used Battery: 1% Used Memory: 3% User Name: KMakar Interval - Start Time: 12/1/2015 12:00:00 PM Stop Time: 12/17/2015 10:15:00 AM  
1/3/2016 11:08 Log Download - Used Battery: 2% Used Memory: 4% User Name: CShaw Interval - Start Time: 11/30/2015 1:00:00 AM Stop Time: 1/3/2016 11:00:00 AM  
1/7/2016 9:38 Log Download - Used Battery: 2% Used Memory: 6% User Name: KMakar Interval - Start Time: 12/31/2015 10:00:00 AM Stop Time: 1/7/2016 9:30:00 AM  
1/14/2016 11:36 Log Download - Used Battery: 2% Used Memory: 6% User Name: KMakar Interval - Start Time: 1/4/2016 10:00:00 AM Stop Time: 1/14/2016 11:30:00 AM  
1/21/2016 9:52 Log Download - Used Battery: 3% Used Memory: 7% User Name: KMakar Interval - Start Time: 1/12/2016 11:00:00 AM Stop Time: 1/21/2016 9:45:00 AM  
1/28/2016 10:10 Log Download - Used Battery: 3% Used Memory: 7% User Name: KMakar Interval - Start Time: 1/18/2016 11:45:00 AM Stop Time: 1/28/2016 10:00:00 AM  
2/4/2016 10:56 Log Download - Used Battery: 3% Used Memory: 9% User Name: CShaw Interval - Start Time: 12/31/2015 1:00:00 PM Stop Time: 2/4/2016 11:45:00 AM  
2/11/2016 8:06 Log Download - Used Battery: 4% Used Memory: 9% User Name: CShaw Interval - Start Time: 2/2/2016 2:30:00 PM Stop Time: 2/11/2016 9:00:00 AM  
2/18/2016 10:45 Log Download - Used Battery: 4% Used Memory: 10% User Name: CShaw Interval - Start Time: 2/4/2016 3:00:00 AM Stop Time: 2/18/2016 11:00:00 AM  
2/25/2016 10:12 Log Download - Used Battery: 4% Used Memory: 10% User Name: KMakar Interval - Start Time: 2/15/2016 5:30:00 PM Stop Time: 2/25/2016 10:00:00 AM  
3/3/2016 11:53 Log Download - Used Battery: 5% Used Memory: 12% User Name: SKuiper Interval - Start Time: 1/31/2016 12:00:01 AM Stop Time: 3/3/2016 12:45:00 PM  
3/10/2016 7:44 Log Download - Used Battery: 5% Used Memory: 12% User Name: KMakar Interval - Start Time: 3/1/2016 12:00:00 PM Stop Time: 3/10/2016 7:45:00 AM  
3/17/2016 14:24 Log Download - Used Battery: 5% Used Memory: 14% User Name: SKuiper Interval - Start Time: 3/8/2016 12:00:01 AM Stop Time: 3/17/2016 3:15:00 PM  
3/24/2016 9:41 Log Download - Used Battery: 6% Used Memory: 14% User Name: KMakar Interval - Start Time: 3/15/2016 12:00:00 PM Stop Time: 3/24/2016 9:45:00 AM  
3/31/2016 12:03 Log Download - Used Battery: 8% Used Memory: 15% User Name: SKuiper Interval - Start Time: 3/22/2016 12:00:00 PM Stop Time: 3/31/2016 12:00:00 PM  
4/7/2016 10:57 Log Download - Used Battery: 6% Used Memory: 15% User Name: KMakar Interval - Start Time: 2/29/2016 5:00:00 PM Stop Time: 4/7/2016 10:45:00 AM  
4/14/2016 9:09 Log Download - Used Battery: 7% Used Memory: 17% User Name: SKuiper Interval - Start Time: 4/5/2016 12:00:00 PM Stop Time: 4/14/2016 9:45:00 AM  
4/21/2016 9:05 Log Download - Used Battery: 7% Used Memory: 18% User Name: ELinden Interval - Start Time: 4/12/2016 1:30:00 PM Stop Time: 4/21/2016 9:30:00 AM  
4/28/2016 10:19 Log Download - Used Battery: 8% Used Memory: 18% User Name: KMakar Interval - Start Time: 4/19/2016 5:00:00 PM Stop Time: 4/28/2016 10:15:00 AM  
5/5/2016 8:15 Log Download - Used Battery: 8% Used Memory: 20% User Name: SKuiper Interval - Start Time: 3/31/2016 12:00:00 PM Stop Time: 5/5/2016 9:05:00 AM  
5/12/2016 9:13 Log Download - Used Battery: 8% Used Memory: 20% User Name: SKuiper Interval - Start Time: 5/3/2016 12:00:00 PM Stop Time: 5/12/2016 10:00:00 AM  
5/19/2016 12:16 Log Download - Used Battery: 9% Used Memory: 21% User Name: ELinden Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 2:15:00 PM  
5/26/2016 8:37 Log Download - Used Battery: 9% Used Memory: 21% User Name: SKuiper Interval - Start Time: 5/17/2016 6:00:00 AM Stop Time: 5/26/2016 9:30:00 AM  
6/2/2016 10:47 Log Download - Used Battery: 9% Used Memory: 23% User Name: SKuiper Interval - Start Time: 4/30/2016 10:00:00 PM Stop Time: 6/2/2016 11:30:00 AM  
6/9/2016 8:35 Log Download - Used Battery: 10% Used Memory: 23% User Name: CShaw Interval - Start Time: 5/31/2016 5:00:00 AM Stop Time: 6/9/2016 9:30:00 AM  
6/16/2016 10:23 Log Download - Used Battery: 10% Used Memory: 25% User Name: SKuiper Interval - Start Time: 6/7/2016 10:30:00 PM Stop Time: 6/16/2016 11:00:00 AM  
6/23/2016 9:06 Log Download - Used Battery: 10% Used Memory: 25% User Name: SKuiper Interval - Start Time: 6/15/2016 10:00:00 PM Stop Time: 6/23/2016 10:00:00 AM  
7/1/2016 10:55 Log Download - Used Battery: 11% Used Memory: 26% User Name: SKuiper Interval - Start Time: 5/31/2016 10:00:00 PM Stop Time: 7/1/2016 10:45:00 AM  
7/8/2016 11:18 Log Download - Used Battery: 11% Used Memory: 26% User Name: SKuiper Interval - Start Time: 6/29/2016 10:00:00 PM Stop Time: 7/8/2016 12:00:00 PM  
7/14/2016 15:47 Log Download - Used Battery: 12% Used Memory: 28% User Name: ELinden Interval - Start Time: 7/5/2016 12:00:00 PM Stop Time: 7/14/2016 4:45:00 PM  
7/21/2016 16:46 Log Download - Used Battery: 12% Used Memory: 28% User Name: SKuiper Interval - Start Time: 7/13/2016 10:00:00 PM Stop Time: 7/21/2016 5:30:00 PM  
7/28/2016 17:35 Log Download - Used Battery: 12% Used Memory: 29% User Name: SKuiper Interval - Start Time: 7/20/2016 10:00:00 PM Stop Time: 7/28/2016 6:30:00 PM  
8/4/2016 8:45 Log Download - Used Battery: 13% Used Memory: 29% User Name: SKuiper Interval - Start Time: 6/30/2016 10:00:00 PM Stop Time: 8/4/2016 8:45:00 AM  
8/11/2016 11:27 Log Download - Used Battery: 13% Used Memory: 31% User Name: ELinden Interval - Start Time: 8/1/2016 12:15:00 PM Stop Time: 8/11/2016 12:15:00 PM  
8/18/2016 14:52 Log Download - Used Battery: 13% Used Memory: 31% User Name: SKuiper Interval - Start Time: 8/10/2016 10:00:00 PM Stop Time: 8/18/2016 3:45:00 PM  
8/25/2016 13:03 Log Download - Used Battery: 14% Used Memory: 32% User Name: ELinden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 2:00:00 PM  
9/1/2016 10:04 Log Download - Used Battery: 14% Used Memory: 32% User Name: skuiper Interval - Start Time: 7/31/2016 10:00:00 PM Stop Time: 9/1/2016 10:45:00 AM  
9/8/2016 17:49 Log Download - Used Battery: 14% Used Memory: 34% User Name: SKuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/8/2016 5:45:00 PM  
9/15/2016 13:15 Log Download - Used Battery: 15% Used Memory: 34% User Name: ANorris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 2:00:00 PM  
9/22/2016 11:02 Log Download - Used Battery: 15% Used Memory: 35% User Name: ANorris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 12:00:00 PM  
10/1/2016 9:35 Log Download - Used Battery: 16% Used Memory: 37% User Name: ANorris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/1/2016 10:30:00 AM  
10/7/2016 16:29 Log Download - Used Battery: 16% Used Memory: 37% User Name: SKuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/7/2016 5:15:00 PM  
10/7/2016 16:30 Log Download - Used Battery: 16% Used Memory: 37% User Name: SKuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/7/2016 4:30:00 PM  
10/13/2016 15:44 Log Download - Used Battery: 16% Used Memory: 39% User Name: SKuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 4:30:00 PM  
10/20/2016 15:35 Log Download - Used Battery: 17% Used Memory: 39% User Name: SKuiper Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 4:00:00 PM  
10/27/2016 15:10 Log Download - Used Battery: 17% Used Memory: 40% User Name: SKuiper Interval - Start Time: 10/19/2016 10:00:00 PM Stop Time: 10/27/2016 3:00:00 PM  
11/3/2016 14:59 Log Download - Used Battery: 17% Used Memory: 40% User Name: SKuiper Interval - Start Time: 9/30/2016 10:00:00 PM Stop Time: 11/3/2016 3:45:00 PM  
11/10/2016 16:15 Log Download - Used Battery: 18% Used Memory: 42% User Name: SKuiper Interval - Start Time: 11/2/2016 10:00:00 PM Stop Time: 11/10/2016 5:00:00 PM  
11/17/2016 13:58 Log Download - Used Battery: 18% Used Memory: 42% User Name: SKuiper Interval - Start Time: 11/9/2016 10:00:00 PM Stop Time: 11/17/2016 2:45:00 PM  
11/24/2016 11:29 Log Download - Used Battery: 18% Used Memory: 43% User Name: SKuiper Interval - Start Time: 11/15/2016 10:00:00 PM Stop Time: 11/24/2016 12:15:00 PM  
12/1/2016 16:20 Log Download - Used Battery: 19% Used Memory: 43% User Name: SKuiper Interval - Start Time: 10/31/2016 10:00:00 PM Stop Time: 12/1/2016 4:15:00 PM  
12/9/2016 10:49 Log Download - Used Battery: 19% Used Memory: 45% User Name: SKuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 12/9/2016 1:30:00 AM  
12/15/2016 12:10 Log Download - Used Battery: 19% Used Memory: 45% User Name: SKuiper Interval - Start Time: 12/7/2016 10:00:00 PM Stop Time: 12/15/2016 12:45:00 PM  
12/22/2016 10:31 Log Download - Used Battery: 20% Used Memory: 46% User Name: ANorris Interval - Start Time: 12/14/2016 10:00:00 PM Stop Time: 12/22/2016 11:30:00 AM  
1/5/2017 11:47 Log Download - Used Battery: 21% Used Memory: 48% User Name: SKuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 1/5/2017 11:45:00 AM  
1/12/2017 15:29 Log Download - Used Battery: 21% Used Memory: 48% User Name: SKuiper Interval - Start Time: 1/4/2017 10:00:00 PM Stop Time: 1/12/2017 3:15:00 PM  
1/19/2017 13:09 Log Download - Used Battery: 21% Used Memory: 50% User Name: EHernandez Interval - Start Time: 1/11/2017 10:00:00 PM Stop Time: 1/19/2017 2:00:00 PM  
1/26/2017 8:47 Log Download - Used Battery: 22% Used Memory: 50% User Name: SKuiper Interval - Start Time: 1/18/2017 10:00:00 PM Stop Time: 1/26/2017 8:45:00 AM  
2/2/2017 15:03 Log Download - Used Battery: 22% Used Memory: 51% User Name: WMassoll Interval - Start Time: 12/31/2016 10:00:00 PM Stop Time: 2/2/2017 3:55:00 PM  
10/13/2017 8:31 User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll\_2017-10-12\_17-14-36-585.wsl""

Log Data:  
Record Count 731

Sensors  
2  
1 427086 PCTD 30 PSIA (10.9m/35.8ft)  
2 0 Baro-Adjustment Calc

Time Zone: Pacific Daylight Time

| Date and Time   | Elapsed Time<br>Seconds | Sensor: PCTD(A) 35.8ft<br>SNR: 427086 |                 | Sensor: PCTD(A) 35.8ft<br>SNR: 427086 |                             | Sensor: PCTD(A) 35.8ft<br>SNR: 427086 |                              | Sensor: PCTD(A) 35.8ft<br>SNR: 427086 |  |
|-----------------|-------------------------|---------------------------------------|-----------------|---------------------------------------|-----------------------------|---------------------------------------|------------------------------|---------------------------------------|--|
|                 |                         | Corrected<br>Pressure (PSI)           | Temperature (C) | Corrected<br>Depth (ft)               | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm)         | Total Dissolved Solids (ppt) | Salinity (PSU)                        |  |
| 10/5/2017 0:00  | 7200                    | 13.069                                | 17.72           | 29.789                                | 1831.977                    | 2127.836                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 0:15  | 8100                    | 13.066                                | 17.72           | 29.781                                | 1832.629                    | 2127.82                               | 1.447                        | 1.098                                 |  |
| 10/5/2017 0:30  | 9000                    | 13.068                                | 17.72           | 29.785                                | 1831.934                    | 2127.82                               | 1.447                        | 1.098                                 |  |
| 10/5/2017 0:45  | 9900                    | 13.074                                | 17.719          | 29.799                                | 1832.017                    | 2127.921                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 1:00  | 10800                   | 13.083                                | 17.72           | 29.82                                 | 1832.344                    | 2128.288                              | 1.447                        | 1.099                                 |  |
| 10/5/2017 1:15  | 11700                   | 13.075                                | 17.72           | 29.802                                | 1832.381                    | 2128.331                              | 1.447                        | 1.099                                 |  |
| 10/5/2017 1:30  | 12600                   | 13.078                                | 17.72           | 29.808                                | 1833.351                    | 2129.441                              | 1.448                        | 1.099                                 |  |
| 10/5/2017 1:45  | 13500                   | 13.074                                | 17.72           | 29.8                                  | 1832.593                    | 2128.573                              | 1.447                        | 1.099                                 |  |
| 10/5/2017 2:00  | 14400                   | 13.077                                | 17.72           | 29.806                                | 1832.66                     | 2128.638                              | 1.447                        | 1.099                                 |  |
| 10/5/2017 2:15  | 15300                   | 13.074                                | 17.719          | 29.799                                | 1832.742                    | 2128.762                              | 1.448                        | 1.099                                 |  |
| 10/5/2017 2:30  | 16200                   | 13.072                                | 17.72           | 29.796                                | 1833.44                     | 2129.537                              | 1.448                        | 1.099                                 |  |
| 10/5/2017 2:45  | 17100                   | 13.074                                | 17.72           | 29.8                                  | 1832.768                    | 2128.781                              | 1.448                        | 1.099                                 |  |
| 10/5/2017 3:00  | 18000                   | 13.08                                 | 17.72           | 29.812                                | 1833.318                    | 2129.416                              | 1.448                        | 1.099                                 |  |
| 10/5/2017 3:15  | 18900                   | 13.065                                | 17.72           | 29.778                                | 1832.428                    | 2128.386                              | 1.447                        | 1.099                                 |  |
| 10/5/2017 3:30  | 19800                   | 13.074                                | 17.72           | 29.8                                  | 1832.398                    | 2128.322                              | 1.447                        | 1.099                                 |  |
| 10/5/2017 3:45  | 20700                   | 13.077                                | 17.719          | 29.807                                | 1832.682                    | 2128.701                              | 1.448                        | 1.099                                 |  |
| 10/5/2017 4:00  | 21600                   | 13.078                                | 17.72           | 29.809                                | 1833.319                    | 2129.429                              | 1.448                        | 1.099                                 |  |
| 10/5/2017 4:15  | 22500                   | 13.074                                | 17.72           | 29.805                                | 1832.079                    | 2127.993                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 4:30  | 23400                   | 13.08                                 | 17.72           | 29.813                                | 1832.332                    | 2128.278                              | 1.447                        | 1.099                                 |  |
| 10/5/2017 4:45  | 24300                   | 13.076                                | 17.72           | 29.805                                | 1832.436                    | 2128.387                              | 1.447                        | 1.099                                 |  |
| 10/5/2017 5:00  | 25200                   | 13.074                                | 17.72           | 29.799                                | 1832.325                    | 2128.265                              | 1.447                        | 1.099                                 |  |
| 10/5/2017 5:15  | 26100                   | 13.074                                | 17.72           | 29.799                                | 1832.179                    | 2128.1                                | 1.447                        | 1.098                                 |  |
| 10/5/2017 5:30  | 27000                   | 13.081                                | 17.719          | 29.815                                | 1831.998                    | 2127.898                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 5:45  | 27900                   | 13.074                                | 17.719          | 29.801                                | 1831.682                    | 2127.523                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 6:00  | 28800                   | 13.078                                | 17.72           | 29.809                                | 1831.926                    | 2127.802                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 6:15  | 29700                   | 13.072                                | 17.719          | 29.795                                | 1832.1                      | 2128.021                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 6:30  | 30600                   | 13.076                                | 17.719          | 29.805                                | 1831.815                    | 2127.689                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 6:45  | 31500                   | 13.075                                | 17.719          | 29.801                                | 1832.423                    | 2128.4                                | 1.447                        | 1.099                                 |  |
| 10/5/2017 7:00  | 32400                   | 13.078                                | 17.72           | 29.809                                | 1831.64                     | 2127.474                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 7:15  | 33300                   | 13.074                                | 17.719          | 29.799                                | 1832.427                    | 2128.409                              | 1.447                        | 1.099                                 |  |
| 10/5/2017 7:30  | 34200                   | 13.081                                | 17.72           | 29.815                                | 1831.66                     | 2127.489                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 7:45  | 35100                   | 13.076                                | 17.719          | 29.805                                | 1831.451                    | 2127.263                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 8:00  | 36000                   | 13.069                                | 17.719          | 29.789                                | 1831.933                    | 2127.827                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 8:15  | 36900                   | 13.068                                | 17.72           | 29.786                                | 1831.983                    | 2127.876                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 8:30  | 37800                   | 13.07                                 | 17.719          | 29.791                                | 1830.952                    | 2126.688                              | 1.446                        | 1.098                                 |  |
| 10/5/2017 8:45  | 38700                   | 13.072                                | 17.72           | 29.796                                | 1831.682                    | 2127.523                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 9:00  | 39600                   | 13.07                                 | 17.72           | 29.79                                 | 1830.467                    | 2126.108                              | 1.446                        | 1.097                                 |  |
| 10/5/2017 9:15  | 40500                   | 13.068                                | 17.719          | 29.785                                | 1831.933                    | 2127.827                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 9:30  | 41400                   | 13.072                                | 17.72           | 29.794                                | 1831.682                    | 2127.523                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 9:45  | 42300                   | 13.069                                | 17.722          | 29.788                                | 1831.933                    | 2127.827                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 10:00 | 43200                   | 13.074                                | 17.721          | 29.799                                | 1832.427                    | 2128.409                              | 1.447                        | 1.099                                 |  |
| 10/5/2017 10:15 | 44100                   | 13.066                                | 17.72           | 29.781                                | 1831.682                    | 2127.523                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 10:30 | 45000                   | 13.074                                | 17.72           | 29.799                                | 1832.427                    | 2128.409                              | 1.447                        | 1.099                                 |  |
| 10/5/2017 10:45 | 45900                   | 13.071                                | 17.721          | 29.794                                | 1831.682                    | 2127.523                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 11:00 | 46800                   | 13.074                                | 17.72           | 29.799                                | 1832.427                    | 2128.409                              | 1.447                        | 1.099                                 |  |
| 10/5/2017 11:15 | 47700                   | 13.075                                | 17.72           | 29.803                                | 1831.682                    | 2127.523                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 11:30 | 48600                   | 13.074                                | 17.72           | 29.8                                  | 1832.427                    | 2128.409                              | 1.447                        | 1.099                                 |  |
| 10/5/2017 11:45 | 49500                   | 13.064                                | 17.72           | 29.777                                | 1831.682                    | 2127.523                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 12:00 | 50400                   | 13.074                                | 17.72           | 29.8                                  | 1832.427                    | 2128.409                              | 1.447                        | 1.099                                 |  |
| 10/5/2017 12:15 | 51300                   | 13.075                                | 17.72           | 29.801                                | 1831.682                    | 2127.523                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 12:30 | 52200                   | 13.078                                | 17.72           | 29.809                                | 1832.427                    | 2128.409                              | 1.447                        | 1.099                                 |  |
| 10/5/2017 12:45 | 53100                   | 13.08                                 | 17.72           | 29.814                                | 1831.682                    | 2127.523                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 13:00 | 54000                   | 13.075                                | 17.72           | 29.801                                | 1832.427                    | 2128.409                              | 1.447                        | 1.099                                 |  |
| 10/5/2017 13:15 | 54900                   | 13.081                                | 17.72           | 29.815                                | 1831.682                    | 2127.523                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 13:30 | 55800                   | 13.084                                | 17.72           | 29.823                                | 1832.427                    | 2128.409                              | 1.447                        | 1.099                                 |  |
| 10/5/2017 13:45 | 56700                   | 13.084                                | 17.72           | 29.822                                | 1831.682                    | 2127.523                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 14:00 | 57600                   | 13.084                                | 17.72           | 29.823                                | 1832.427                    | 2128.409                              | 1.447                        | 1.099                                 |  |
| 10/5/2017 14:15 | 58500                   | 13.084                                | 17.72           | 29.822                                | 1831.682                    | 2127.523                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 14:30 | 59400                   | 13.087                                | 17.72           | 29.83                                 | 1832.427                    | 2128.409                              | 1.447                        | 1.099                                 |  |
| 10/5/2017 14:45 | 60300                   | 13.083                                | 17.72           | 29.82                                 | 1831.682                    | 2127.523                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 15:00 | 61200                   | 13.084                                | 17.72           | 29.823                                | 1832.427                    | 2128.409                              | 1.447                        | 1.099                                 |  |
| 10/5/2017 15:15 | 62100                   | 13.087                                | 17.72           | 29.829                                | 1831.682                    | 2127.523                              | 1.447                        | 1.098                                 |  |
| 10/5/2017 15:30 | 63000                   | 13.086                                | 17.72           | 29.827                                | 1832.427                    | 2128.409                              | 1.447                        | 1.099                                 |  |

|                 |        |        |        |        |          |           |       |       |         |       |        |
|-----------------|--------|--------|--------|--------|----------|-----------|-------|-------|---------|-------|--------|
| 10/5/2017 15:45 | 63900  | 13.09  | 17.719 | 29.837 | 1830.121 | 2125.718  | 1.445 | 1.097 | 546.412 | 0.999 | 14.707 |
| 10/5/2017 16:00 | 64800  | 13.083 | 17.72  | 29.821 | 1829.922 | 2125.446  | 1.445 | 1.097 | 546.471 | 0.999 | 14.714 |
| 10/5/2017 16:15 | 65700  | 13.088 | 17.72  | 29.831 | 1830.43  | 2126.04   | 1.446 | 1.097 | 546.32  | 0.999 | 14.708 |
| 10/5/2017 16:30 | 66600  | 13.092 | 17.72  | 29.84  | 1829.445 | 2124.908  | 1.445 | 1.097 | 546.614 | 0.999 | 14.701 |
| 10/5/2017 16:45 | 67500  | 13.088 | 17.72  | 29.832 | 1829.443 | 2124.91   | 1.445 | 1.097 | 546.614 | 0.999 | 14.706 |
| 10/5/2017 17:00 | 68400  | 13.084 | 17.72  | 29.823 | 1829.602 | 2125.107  | 1.445 | 1.097 | 546.567 | 0.999 | 14.707 |
| 10/5/2017 17:15 | 69300  | 13.081 | 17.72  | 29.817 | 1829.808 | 2125.225  | 1.445 | 1.097 | 546.506 | 0.999 | 14.706 |
| 10/5/2017 17:30 | 70200  | 13.086 | 17.72  | 29.826 | 1829.909 | 2125.443  | 1.445 | 1.097 | 546.475 | 0.999 | 14.704 |
| 10/5/2017 17:45 | 71100  | 13.086 | 17.72  | 29.827 | 1829.793 | 2125.304  | 1.445 | 1.097 | 546.51  | 0.999 | 14.703 |
| 10/5/2017 18:00 | 72000  | 13.08  | 17.72  | 29.814 | 1830.083 | 2125.653  | 1.445 | 1.097 | 546.423 | 0.999 | 14.706 |
| 10/5/2017 18:15 | 72900  | 13.086 | 17.72  | 29.827 | 1829.782 | 2125.303  | 1.445 | 1.097 | 546.513 | 0.999 | 14.7   |
| 10/5/2017 18:30 | 73800  | 13.081 | 17.72  | 29.815 | 1830.212 | 2125.803  | 1.446 | 1.097 | 546.385 | 0.999 | 14.704 |
| 10/5/2017 18:45 | 74700  | 13.082 | 17.72  | 29.819 | 1828.805 | 2124.156  | 1.444 | 1.096 | 546.805 | 0.996 | 14.704 |
| 10/5/2017 19:00 | 75600  | 13.085 | 17.72  | 29.824 | 1828.622 | 2123.944  | 1.444 | 1.096 | 546.86  | 0.999 | 14.7   |
| 10/5/2017 19:15 | 76500  | 13.078 | 17.72  | 29.809 | 1828.666 | 2124.011  | 1.444 | 1.096 | 546.847 | 0.999 | 14.704 |
| 10/5/2017 19:30 | 77400  | 13.081 | 17.72  | 29.816 | 1829.213 | 2124.63   | 1.445 | 1.097 | 546.683 | 0.999 | 14.701 |
| 10/5/2017 19:45 | 78300  | 13.073 | 17.72  | 29.797 | 1829.184 | 2124.601  | 1.445 | 1.097 | 546.692 | 0.999 | 14.709 |
| 10/5/2017 20:00 | 79200  | 13.078 | 17.72  | 29.809 | 1829.012 | 2124.414  | 1.445 | 1.096 | 546.743 | 0.999 | 14.705 |
| 10/5/2017 20:15 | 80100  | 13.074 | 17.72  | 29.8   | 1827.966 | 2123.178  | 1.444 | 1.096 | 547.056 | 0.999 | 14.708 |
| 10/5/2017 20:30 | 81000  | 13.068 | 17.72  | 29.786 | 1827.623 | 2122.775  | 1.443 | 1.096 | 547.159 | 0.999 | 14.714 |
| 10/5/2017 20:45 | 81900  | 13.071 | 17.72  | 29.794 | 1827.863 | 2123.054  | 1.444 | 1.096 | 547.087 | 0.999 | 14.71  |
| 10/5/2017 21:00 | 82800  | 13.066 | 17.72  | 29.78  | 1826.744 | 2121.762  | 1.443 | 1.095 | 547.422 | 0.999 | 14.717 |
| 10/5/2017 21:15 | 83700  | 13.065 | 17.72  | 29.779 | 1826.973 | 2122.032  | 1.443 | 1.095 | 547.354 | 0.999 | 14.718 |
| 10/5/2017 21:30 | 84600  | 13.066 | 17.72  | 29.781 | 1826.86  | 2121.897  | 1.443 | 1.095 | 547.387 | 0.999 | 14.717 |
| 10/5/2017 21:45 | 85500  | 13.065 | 17.721 | 29.779 | 1826.755 | 2121.754  | 1.443 | 1.095 | 547.419 | 0.999 | 14.719 |
| 10/5/2017 22:00 | 86400  | 13.067 | 17.72  | 29.783 | 1826.675 | 2121.679  | 1.443 | 1.095 | 547.443 | 0.999 | 14.718 |
| 10/5/2017 22:15 | 87300  | 13.066 | 17.72  | 29.782 | 1826.771 | 2121.786  | 1.443 | 1.095 | 547.414 | 0.999 | 14.715 |
| 10/5/2017 22:30 | 88200  | 13.064 | 17.72  | 29.777 | 1827.689 | 2122.865  | 1.444 | 1.096 | 547.139 | 0.999 | 14.721 |
| 10/5/2017 22:45 | 89100  | 13.062 | 17.72  | 29.772 | 1826.664 | 2121.699  | 1.443 | 1.095 | 547.446 | 0.999 | 14.724 |
| 10/5/2017 23:00 | 90000  | 13.062 | 17.72  | 29.772 | 1827.279 | 2122.405  | 1.443 | 1.095 | 547.262 | 0.999 | 14.724 |
| 10/5/2017 23:15 | 90900  | 13.062 | 17.72  | 29.773 | 1826.492 | 2121.468  | 1.443 | 1.095 | 547.498 | 0.999 | 14.726 |
| 10/5/2017 23:30 | 91800  | 13.066 | 17.72  | 29.781 | 1826.531 | 2121.507  | 1.443 | 1.095 | 547.486 | 0.999 | 14.719 |
| 10/5/2017 23:45 | 92700  | 13.061 | 17.72  | 29.777 | 1826.382 | 2121.354  | 1.443 | 1.095 | 547.531 | 0.999 | 14.727 |
| 10/6/2017 0:00  | 93600  | 13.064 | 17.72  | 29.776 | 1826.349 | 2121.329  | 1.443 | 1.095 | 547.541 | 0.999 | 14.726 |
| 10/6/2017 0:15  | 94500  | 13.068 | 17.72  | 29.785 | 1826.073 | 2120.975  | 1.442 | 1.095 | 547.623 | 0.999 | 14.724 |
| 10/6/2017 0:30  | 95400  | 13.061 | 17.72  | 29.771 | 1827.105 | 2122.182  | 1.443 | 1.095 | 547.314 | 0.999 | 14.729 |
| 10/6/2017 0:45  | 96300  | 13.067 | 17.72  | 29.783 | 1826.572 | 2121.56   | 1.443 | 1.095 | 547.474 | 0.999 | 14.725 |
| 10/6/2017 1:00  | 97200  | 13.066 | 17.72  | 29.783 | 1826.769 | 2121.792  | 1.443 | 1.095 | 547.415 | 0.999 | 14.727 |
| 10/6/2017 1:15  | 98100  | 13.069 | 17.72  | 29.788 | 1827.769 | 2122.946  | 1.444 | 1.096 | 547.115 | 0.999 | 14.722 |
| 10/6/2017 1:30  | 99000  | 13.068 | 17.721 | 29.786 | 1827.039 | 2122.089  | 1.443 | 1.095 | 547.334 | 0.999 | 14.725 |
| 10/6/2017 1:45  | 99900  | 13.065 | 17.72  | 29.778 | 1827.041 | 2122.132  | 1.443 | 1.095 | 547.333 | 0.999 | 14.729 |
| 10/6/2017 2:00  | 100800 | 13.064 | 17.72  | 29.776 | 1826.816 | 2121.863  | 1.443 | 1.095 | 547.4   | 0.999 | 14.729 |
| 10/6/2017 2:15  | 101700 | 13.065 | 17.72  | 29.779 | 1826.698 | 2121.779  | 1.443 | 1.095 | 547.436 | 0.999 | 14.73  |
| 10/6/2017 2:30  | 102600 | 13.067 | 17.72  | 29.784 | 1827.207 | 2122.317  | 1.443 | 1.095 | 547.284 | 0.999 | 14.728 |
| 10/6/2017 2:45  | 103500 | 13.069 | 17.72  | 29.789 | 1826.18  | 2121.112  | 1.442 | 1.095 | 547.591 | 0.999 | 14.727 |
| 10/6/2017 3:00  | 104400 | 13.065 | 17.72  | 29.778 | 1825.787 | 2120.668  | 1.442 | 1.094 | 547.709 | 0.999 | 14.73  |
| 10/6/2017 3:15  | 105300 | 13.071 | 17.72  | 29.793 | 1825.559 | 2120.403  | 1.442 | 1.094 | 547.778 | 0.999 | 14.724 |
| 10/6/2017 3:30  | 106200 | 13.065 | 17.72  | 29.779 | 1825.573 | 2120.394  | 1.442 | 1.094 | 547.773 | 0.999 | 14.73  |
| 10/6/2017 3:45  | 107100 | 13.074 | 17.72  | 29.785 | 1825.557 | 2120.384  | 1.442 | 1.094 | 547.726 | 0.999 | 14.736 |
| 10/6/2017 4:00  | 108000 | 13.074 | 17.72  | 29.8   | 1826.434 | 2121.403  | 1.443 | 1.095 | 547.515 | 0.999 | 14.722 |
| 10/6/2017 4:15  | 108900 | 13.07  | 17.72  | 29.79  | 1825.571 | 2120.408  | 1.442 | 1.094 | 547.774 | 0.999 | 14.726 |
| 10/6/2017 4:30  | 109800 | 13.069 | 17.72  | 29.788 | 1825.611 | 2120.464  | 1.442 | 1.094 | 547.762 | 0.999 | 14.727 |
| 10/6/2017 4:45  | 110700 | 13.067 | 17.72  | 29.785 | 1825.55  | 2120.393  | 1.442 | 1.094 | 547.78  | 0.999 | 14.728 |
| 10/6/2017 5:00  | 111600 | 13.068 | 17.72  | 29.786 | 1826.279 | 2121.24   | 1.442 | 1.095 | 547.561 | 0.999 | 14.726 |
| 10/6/2017 5:15  | 112500 | 13.069 | 17.72  | 29.788 | 1826.01  | 2120.922  | 1.442 | 1.095 | 547.642 | 0.999 | 14.726 |
| 10/6/2017 5:30  | 113400 | 13.066 | 17.72  | 29.78  | 1825.041 | 2119.785  | 1.441 | 1.094 | 547.933 | 0.999 | 14.731 |
| 10/6/2017 5:45  | 114300 | 13.071 | 17.72  | 29.794 | 1825.057 | 2119.816  | 1.441 | 1.094 | 547.928 | 0.999 | 14.724 |
| 10/6/2017 6:00  | 115200 | 13.072 | 17.721 | 29.795 | 1824.611 | 2119.269  | 1.441 | 1.094 | 548.062 | 0.999 | 14.724 |
| 10/6/2017 6:15  | 116100 | 13.07  | 17.72  | 29.791 | 1824.429 | 2119.071  | 1.441 | 1.094 | 548.117 | 0.999 | 14.726 |
| 10/6/2017 6:30  | 117000 | 13.063 | 17.72  | 29.775 | 1824.044 | 2118.619  | 1.441 | 1.093 | 548.232 | 0.999 | 14.732 |
| 10/6/2017 6:45  | 117900 | 13.064 | 17.72  | 29.778 | 1824.201 | 2118.809  | 1.441 | 1.093 | 548.185 | 0.999 | 14.733 |
| 10/6/2017 7:00  | 118800 | 13.065 | 17.72  | 29.78  | 1823.852 | 2118.4    | 1.441 | 1.093 | 548.29  | 0.999 | 14.731 |
| 10/6/2017 7:15  | 119700 | 13.064 | 17.72  | 29.776 | 1823.828 | 2118.385  | 1.441 | 1.093 | 548.297 | 0.999 | 14.732 |
| 10/6/2017 7:30  | 120600 | 13.06  | 17.72  | 29.767 | 1824.881 | 2119.586  | 1.441 | 1.094 | 547.981 | 0.999 | 14.736 |
| 10/6/2017 7:45  | 121500 | 13.064 | 17.72  | 29.776 | 1823.498 | 2118.001  | 1.44  | 1.093 | 548.396 | 0.999 | 14.732 |
| 10/6/2017 8:00  | 122400 | 13.061 | 17.72  | 29.77  | 1823.301 | 2117.785  | 1.44  | 1.093 | 548.456 | 0.999 | 14.736 |
| 10/6/2017 8:15  | 123300 | 13.054 | 17.72  | 29.754 | 1823.285 | 2117.753  | 1.44  | 1.093 | 548.461 | 0.999 | 14.744 |
| 10/6/2017 8:30  | 124200 | 13.062 | 17.72  | 29.773 | 1823.03  | 2117.458  | 1.443 | 1.093 | 548.537 | 0.999 | 14.736 |
| 10/6/2017 8:45  | 125100 | 13.059 | 17.72  | 29.765 | 1822.595 | 2116.951  | 1.44  | 1.092 | 548.668 | 0.999 | 14.741 |
| 10/6/2017 9:00  | 126000 | 13.047 | 17.72  | 29.737 | 1822.753 | 2117.131  | 1.44  | 1.093 | 548.621 | 0.999 | 14.753 |
| 10/6/2017 9:15  | 126900 | 13.059 | 17.72  | 29.765 | 1821.481 | 2115.654  | 1.439 | 1.092 | 549.004 | 0.999 | 14.743 |
| 10/6/2017 9:30  | 127800 | 13.05  | 17.72  | 29.746 | 1821.381 | 2115.541  | 1.439 | 1.092 | 549.034 | 0.999 | 14.751 |
| 10/6/2017 9:45  | 128700 | 13.059 | 17.719 | 29.767 | 1821.259 | 2115.425  | 1.438 | 1.092 | 549.071 | 0.999 | 14.744 |
| 10/6/2017 10:00 | 129600 | 13.053 | 17.72  | 29.751 | 1821.639 | 2115.851  | 1.439 | 1.092 | 548.956 | 0.999 | 14.752 |
| 10/6/2017 10:15 | 130500 | 13.058 | 17.72  | 29.762 | 1823.02  | 2117.445  | 1.44  | 1.093 | 548.54  | 0.999 | 14.747 |
| 10/6/2017 10:30 | 131400 | 13.056 | 17.72  | 29.76  | 1822.199 | 2116.472  | 1.439 | 1.092 | 548.787 | 0.999 | 14.75  |
| 10/6/2017 10:45 | 132300 | 13.059 | 17.72  | 29.765 | 1822.353 | 2116.654  | 1.439 | 1.092 | 548.741 | 0.999 | 14.747 |
| 10/6/2017 11:00 | 133200 | 13.069 | 17.72  | 29.788 | 1822.453 | 2116.791  | 1.439 | 1.092 | 548.711 | 0.999 | 14.739 |
| 10/6/2017 11:15 | 134100 | 13.068 | 17.72  | 29.786 | 1822.659 | 2117.014  | 1.44  | 1.092 | 548.649 | 0.999 | 14.739 |
| 10/6/2017 11:30 | 135000 | 13.066 | 17.72  | 29.782 | 1822.814 | 2117.207  | 1.44  | 1.093 | 548.603 | 0.999 | 14.74  |
| 10/6/2017 11:45 | 135900 | 13.07  | 17.72  | 29.79  | 1822.971 | 2117.384  | 1.44  | 1.093 | 548.555 | 0.999 | 14.737 |
| 10/6/2017 12:00 | 136800 | 13.065 | 17.72  | 29.778 | 1823.516 | 2118.022  | 1.44  | 1.093 | 548.391 | 0.999 | 14.737 |
| 10/6/2017 12:15 | 137700 | 13.075 | 17.72  | 29.802 | 1823.962 | 2118.523  | 1.441 | 1.093 | 548.257 | 0.999 | 14.73  |
| 10/6/2017 12:30 | 138600 | 13.066 | 17.72  | 29.782 | 1824.523 | 2119.183  | 1.441 | 1.094 | 548.088 | 0.999 | 14.739 |
| 10/6/2017 12:45 | 139500 | 13.064 | 17.72  | 29.777 | 1824.767 | 2119.462  | 1.441 | 1.094 | 548.015 | 0.999 | 14.735 |
| 10/6/2017 13:00 | 140400 | 13.07  | 17.72  | 29.792 | 1825.79  | 2120.62</ |       |       |         |       |        |

|                 |        |        |        |        |          |          |       |       |         |       |        |
|-----------------|--------|--------|--------|--------|----------|----------|-------|-------|---------|-------|--------|
| 10/7/2017 20:30 | 253800 | 13.07  | 17.72  | 29.791 | 1815.026 | 2108.156 | 1.434 | 1.088 | 550.956 | 0.999 | 14.652 |
| 10/7/2017 20:45 | 254700 | 13.066 | 17.72  | 29.781 | 1814.507 | 2107.546 | 1.433 | 1.087 | 551.114 | 0.999 | 14.656 |
| 10/7/2017 21:00 | 255600 | 13.074 | 17.72  | 29.799 | 1813.804 | 2106.725 | 1.433 | 1.087 | 551.328 | 0.999 | 14.65  |
| 10/7/2017 21:15 | 256500 | 13.073 | 17.72  | 29.798 | 1813.359 | 2106.245 | 1.432 | 1.087 | 551.463 | 0.999 | 14.65  |
| 10/7/2017 21:30 | 257400 | 13.07  | 17.72  | 29.792 | 1812.367 | 2105.06  | 1.431 | 1.086 | 551.765 | 0.999 | 14.651 |
| 10/7/2017 21:45 | 258300 | 13.07  | 17.72  | 29.79  | 1812.017 | 2104.653 | 1.431 | 1.086 | 551.871 | 0.999 | 14.652 |
| 10/7/2017 22:00 | 259200 | 13.062 | 17.72  | 29.772 | 1811.598 | 2104.087 | 1.431 | 1.085 | 552.026 | 0.999 | 14.65  |
| 10/7/2017 22:15 | 260100 | 13.071 | 17.72  | 29.793 | 1811.245 | 2103.777 | 1.431 | 1.085 | 552.107 | 0.999 | 14.647 |
| 10/7/2017 22:30 | 261000 | 13.062 | 17.72  | 29.772 | 1811.438 | 2104.014 | 1.431 | 1.085 | 552.047 | 0.999 | 14.661 |
| 10/7/2017 22:45 | 261900 | 13.067 | 17.72  | 29.783 | 1811.842 | 2104.471 | 1.431 | 1.086 | 551.924 | 0.999 | 14.655 |
| 10/7/2017 23:00 | 262800 | 13.069 | 17.72  | 29.789 | 1812.353 | 2105.043 | 1.431 | 1.086 | 551.769 | 0.999 | 14.652 |
| 10/7/2017 23:15 | 263700 | 13.072 | 17.72  | 29.796 | 1813.489 | 2106.364 | 1.432 | 1.087 | 551.723 | 0.999 | 14.65  |
| 10/7/2017 23:30 | 264600 | 13.078 | 17.72  | 29.809 | 1813.658 | 2106.668 | 1.432 | 1.087 | 551.372 | 0.999 | 14.644 |
| 10/7/2017 23:45 | 265500 | 13.076 | 17.72  | 29.804 | 1813.045 | 2105.86  | 1.432 | 1.086 | 551.558 | 0.999 | 14.645 |
| 10/8/2017 0:00  | 266400 | 13.075 | 17.72  | 29.801 | 1813.379 | 2106.24  | 1.432 | 1.087 | 551.457 | 0.999 | 14.648 |
| 10/8/2017 0:15  | 267300 | 13.072 | 17.72  | 29.794 | 1813.982 | 2106.939 | 1.433 | 1.087 | 551.273 | 0.999 | 14.649 |
| 10/8/2017 0:30  | 268200 | 13.072 | 17.72  | 29.795 | 1812.92  | 2105.698 | 1.432 | 1.086 | 551.596 | 0.999 | 14.647 |
| 10/8/2017 0:45  | 269100 | 13.075 | 17.72  | 29.802 | 1812.74  | 2105.501 | 1.432 | 1.086 | 551.651 | 0.999 | 14.645 |
| 10/8/2017 1:00  | 270000 | 13.077 | 17.72  | 29.807 | 1812.45  | 2105.13  | 1.431 | 1.086 | 551.752 | 0.999 | 14.641 |
| 10/8/2017 1:15  | 270900 | 13.082 | 17.72  | 29.817 | 1812.406 | 2105.118 | 1.431 | 1.086 | 551.753 | 0.999 | 14.637 |
| 10/8/2017 1:30  | 271800 | 13.067 | 17.72  | 29.783 | 1812.259 | 2104.955 | 1.431 | 1.086 | 551.797 | 0.999 | 14.651 |
| 10/8/2017 1:45  | 272700 | 13.072 | 17.72  | 29.796 | 1812.421 | 2105.13  | 1.431 | 1.086 | 551.748 | 0.999 | 14.645 |
| 10/8/2017 2:00  | 273600 | 13.074 | 17.72  | 29.8   | 1812.817 | 2105.583 | 1.432 | 1.086 | 551.628 | 0.999 | 14.642 |
| 10/8/2017 2:15  | 274500 | 13.072 | 17.719 | 29.795 | 1813.726 | 2106.675 | 1.433 | 1.087 | 551.351 | 0.999 | 14.646 |
| 10/8/2017 2:30  | 275400 | 13.073 | 17.72  | 29.796 | 1813.486 | 2106.363 | 1.432 | 1.087 | 551.424 | 0.999 | 14.644 |
| 10/8/2017 2:45  | 276300 | 13.079 | 17.72  | 29.812 | 1813.318 | 2106.172 | 1.432 | 1.087 | 551.475 | 0.999 | 14.637 |
| 10/8/2017 3:00  | 277200 | 13.073 | 17.72  | 29.798 | 1812.685 | 2105.437 | 1.432 | 1.086 | 551.668 | 0.999 | 14.642 |
| 10/8/2017 3:15  | 278100 | 13.074 | 17.72  | 29.8   | 1813.056 | 2105.852 | 1.432 | 1.086 | 551.555 | 0.999 | 14.641 |
| 10/8/2017 3:30  | 279000 | 13.077 | 17.72  | 29.806 | 1812.984 | 2105.793 | 1.432 | 1.086 | 551.577 | 0.999 | 14.639 |
| 10/8/2017 3:45  | 279900 | 13.08  | 17.72  | 29.814 | 1812.472 | 2105.177 | 1.432 | 1.086 | 551.733 | 0.999 | 14.634 |
| 10/8/2017 4:00  | 280800 | 13.084 | 17.721 | 29.821 | 1812.501 | 2105.203 | 1.432 | 1.086 | 551.724 | 0.999 | 14.63  |
| 10/8/2017 4:15  | 281700 | 13.083 | 17.72  | 29.819 | 1812.535 | 2105.275 | 1.432 | 1.086 | 551.714 | 0.999 | 14.63  |
| 10/8/2017 4:30  | 282600 | 13.079 | 17.72  | 29.81  | 1813.144 | 2105.995 | 1.432 | 1.087 | 551.528 | 0.999 | 14.633 |
| 10/8/2017 4:45  | 283500 | 13.077 | 17.721 | 29.808 | 1812.335 | 2105.005 | 1.431 | 1.086 | 551.774 | 0.999 | 14.633 |
| 10/8/2017 5:00  | 284400 | 13.08  | 17.72  | 29.813 | 1812.681 | 2105.428 | 1.432 | 1.086 | 551.669 | 0.999 | 14.629 |
| 10/8/2017 5:15  | 285300 | 13.085 | 17.72  | 29.824 | 1813.274 | 2106.125 | 1.432 | 1.087 | 551.489 | 0.999 | 14.624 |
| 10/8/2017 5:30  | 286200 | 13.076 | 17.72  | 29.805 | 1813.961 | 2107.005 | 1.433 | 1.087 | 551.28  | 0.999 | 14.619 |
| 10/8/2017 5:45  | 287100 | 13.08  | 17.72  | 29.814 | 1812.879 | 2105.658 | 1.432 | 1.086 | 551.609 | 0.999 | 14.627 |
| 10/8/2017 6:00  | 288000 | 13.075 | 17.72  | 29.801 | 1813.452 | 2106.332 | 1.432 | 1.087 | 551.435 | 0.999 | 14.631 |
| 10/8/2017 6:15  | 288900 | 13.07  | 17.72  | 29.79  | 1812.233 | 2104.896 | 1.431 | 1.086 | 551.805 | 0.999 | 14.637 |
| 10/8/2017 6:30  | 289800 | 13.075 | 17.72  | 29.802 | 1811.922 | 2104.563 | 1.431 | 1.086 | 551.9   | 0.999 | 14.631 |
| 10/8/2017 6:45  | 290700 | 13.07  | 17.72  | 29.79  | 1811.249 | 2103.769 | 1.431 | 1.085 | 552.105 | 0.999 | 14.636 |
| 10/8/2017 7:00  | 291600 | 13.068 | 17.72  | 29.786 | 1810.766 | 2103.295 | 1.43  | 1.085 | 552.252 | 0.999 | 14.632 |
| 10/8/2017 7:15  | 292500 | 13.072 | 17.721 | 29.795 | 1810.498 | 2102.876 | 1.43  | 1.085 | 552.334 | 0.999 | 14.633 |
| 10/8/2017 7:30  | 293400 | 13.074 | 17.72  | 29.799 | 1810.466 | 2102.852 | 1.43  | 1.085 | 552.344 | 0.999 | 14.631 |
| 10/8/2017 7:45  | 294300 | 13.068 | 17.72  | 29.786 | 1810.34  | 2102.705 | 1.43  | 1.085 | 552.383 | 0.999 | 14.636 |
| 10/8/2017 8:00  | 295200 | 13.071 | 17.72  | 29.792 | 1810.531 | 2102.932 | 1.43  | 1.085 | 552.324 | 0.999 | 14.634 |
| 10/8/2017 8:15  | 296100 | 13.073 | 17.72  | 29.797 | 1810.558 | 2102.967 | 1.43  | 1.085 | 552.316 | 0.999 | 14.632 |
| 10/8/2017 8:30  | 297000 | 13.065 | 17.72  | 29.78  | 1810.615 | 2103.005 | 1.43  | 1.085 | 552.298 | 0.999 | 14.638 |
| 10/8/2017 8:45  | 297900 | 13.064 | 17.72  | 29.777 | 1810.486 | 2102.879 | 1.43  | 1.085 | 552.338 | 0.999 | 14.64  |
| 10/8/2017 9:00  | 298800 | 13.065 | 17.72  | 29.779 | 1810.485 | 2102.878 | 1.43  | 1.085 | 552.338 | 0.999 | 14.639 |
| 10/8/2017 9:15  | 299700 | 13.063 | 17.72  | 29.775 | 1811.548 | 2104.109 | 1.431 | 1.085 | 552.014 | 0.999 | 14.64  |
| 10/8/2017 9:30  | 300600 | 13.061 | 17.72  | 29.771 | 1810.417 | 2102.787 | 1.43  | 1.085 | 552.359 | 0.999 | 14.639 |
| 10/8/2017 9:45  | 301500 | 13.062 | 17.72  | 29.772 | 1810.509 | 2102.914 | 1.43  | 1.085 | 552.331 | 0.999 | 14.644 |
| 10/8/2017 10:00 | 302400 | 13.07  | 17.72  | 29.79  | 1811.219 | 2103.738 | 1.431 | 1.085 | 552.114 | 0.999 | 14.636 |
| 10/8/2017 10:15 | 303300 | 13.064 | 17.72  | 29.777 | 1810.147 | 2102.494 | 1.43  | 1.085 | 552.441 | 0.999 | 14.637 |
| 10/8/2017 10:30 | 304200 | 13.076 | 17.72  | 29.803 | 1810.224 | 2102.595 | 1.43  | 1.085 | 552.418 | 0.999 | 14.629 |
| 10/8/2017 10:45 | 305100 | 13.074 | 17.721 | 29.799 | 1810.616 | 2103.014 | 1.43  | 1.085 | 552.298 | 0.999 | 14.631 |
| 10/8/2017 11:00 | 306000 | 13.068 | 17.72  | 29.786 | 1810.897 | 2103.361 | 1.43  | 1.085 | 552.212 | 0.999 | 14.635 |
| 10/8/2017 11:15 | 306900 | 13.076 | 17.72  | 29.805 | 1811.313 | 2103.857 | 1.431 | 1.085 | 552.086 | 0.999 | 14.627 |
| 10/8/2017 11:30 | 307800 | 13.072 | 17.72  | 29.795 | 1811.631 | 2104.206 | 1.431 | 1.086 | 551.989 | 0.999 | 14.63  |
| 10/8/2017 11:45 | 308700 | 13.074 | 17.72  | 29.794 | 1811.473 | 2104.022 | 1.431 | 1.085 | 552.037 | 0.999 | 14.634 |
| 10/8/2017 12:00 | 309600 | 13.076 | 17.72  | 29.803 | 1811.406 | 2103.959 | 1.431 | 1.085 | 552.057 | 0.999 | 14.626 |
| 10/8/2017 12:15 | 310500 | 13.076 | 17.72  | 29.804 | 1811.633 | 2104.216 | 1.431 | 1.086 | 551.988 | 0.999 | 14.625 |
| 10/8/2017 12:30 | 311400 | 13.068 | 17.72  | 29.786 | 1811.574 | 2104.135 | 1.431 | 1.085 | 552.006 | 0.999 | 14.63  |
| 10/8/2017 12:45 | 312300 | 13.07  | 17.721 | 29.791 | 1811.468 | 2104.003 | 1.431 | 1.085 | 552.039 | 0.999 | 14.628 |
| 10/8/2017 13:00 | 313200 | 13.069 | 17.72  | 29.789 | 1811.314 | 2103.849 | 1.431 | 1.085 | 552.085 | 0.999 | 14.629 |
| 10/8/2017 13:15 | 314100 | 13.075 | 17.72  | 29.802 | 1810.838 | 2103.43  | 1.43  | 1.085 | 552.23  | 0.999 | 14.623 |
| 10/8/2017 13:30 | 315000 | 13.078 | 17.72  | 29.808 | 1810.691 | 2103.104 | 1.43  | 1.085 | 552.275 | 0.999 | 14.62  |
| 10/8/2017 13:45 | 315900 | 13.084 | 17.72  | 29.822 | 1810.502 | 2102.894 | 1.43  | 1.085 | 552.333 | 0.999 | 14.613 |
| 10/8/2017 14:00 | 316800 | 13.073 | 17.72  | 29.797 | 1810.489 | 2102.87  | 1.43  | 1.085 | 552.337 | 0.999 | 14.623 |
| 10/8/2017 14:15 | 317700 | 13.075 | 17.72  | 29.803 | 1810.322 | 2102.688 | 1.43  | 1.085 | 552.388 | 0.999 | 14.619 |
| 10/8/2017 14:30 | 318600 | 13.077 | 17.72  | 29.807 | 1810.298 | 2102.665 | 1.43  | 1.085 | 552.395 | 0.999 | 14.617 |
| 10/8/2017 14:45 | 319500 | 13.08  | 17.72  | 29.813 | 1810.246 | 2102.345 | 1.43  | 1.085 | 552.479 | 0.999 | 14.613 |
| 10/8/2017 15:00 | 320400 | 13.084 | 17.721 | 29.823 | 1810.266 | 2102.607 | 1.43  | 1.085 | 552.405 | 0.999 | 14.607 |
| 10/8/2017 15:15 | 321300 | 13.079 | 17.72  | 29.811 | 1810.056 | 2102.384 | 1.43  | 1.085 | 552.469 | 0.999 | 14.613 |
| 10/8/2017 15:30 | 322200 | 13.077 | 17.72  | 29.807 | 1810.169 | 2102.527 | 1.43  | 1.085 | 552.435 | 0.999 | 14.613 |
| 10/8/2017 15:45 | 323100 | 13.081 | 17.72  | 29.816 | 1810.089 | 2102.415 | 1.43  | 1.085 | 552.459 | 0.999 | 14.608 |
| 10/8/2017 16:00 | 324000 | 13.081 | 17.72  | 29.816 | 1810.104 | 2102.452 | 1.43  | 1.085 | 552.455 | 0.999 | 14.608 |
| 10/8/2017 16:15 | 324900 | 13.076 | 17.72  | 29.803 | 1810.738 | 2103.172 | 1.43  | 1.085 | 552.261 | 0.999 | 14.611 |
| 10/8/2017 16:30 | 325800 | 13.08  | 17.72  | 29.812 | 1809.551 | 2101.78  | 1.429 | 1.084 | 552.623 | 0.999 | 14.607 |
| 10/8/2017 16:45 | 326700 | 13.074 | 17.72  | 29.8   | 1809.118 | 2101.29  | 1.429 | 1.084 | 552.756 | 0.999 | 14.611 |
| 10/8/2017 17:00 | 327600 | 13.074 | 17.72  | 29.8   | 1808.849 | 2100.965 | 1.429 | 1.084 | 552.838 | 0.999 | 14.611 |
| 10/8/2017 17:15 | 328500 | 13.074 | 17.72  | 29.8   | 1809.279 | 2101.497 | 1.429 | 1.084 | 552.706 | 0.999 | 14.61  |
| 10/8/2017 17:30 | 329400 | 13.076 | 17.72  | 29.803 | 1808.276 | 2100.312 | 1.428 | 1.083 | 553.013 | 0.999 | 14.606 |
| 10/8/2017 17:45 | 330300 | 13.07  | 17.72  | 29.791 |          |          |       |       |         |       |        |

|                  |        |        |        |        |          |          |       |       |         |       |        |
|------------------|--------|--------|--------|--------|----------|----------|-------|-------|---------|-------|--------|
| 10/10/2017 1:15  | 443700 | 13.062 | 17.72  | 29.772 | 1799.837 | 2090.518 | 1.422 | 1.078 | 555.606 | 0.999 | 14.693 |
| 10/10/2017 1:30  | 444600 | 13.063 | 17.72  | 29.776 | 1800.724 | 2091.561 | 1.422 | 1.079 | 555.332 | 0.999 | 14.691 |
| 10/10/2017 1:45  | 445500 | 13.058 | 17.72  | 29.763 | 1800.598 | 2091.381 | 1.422 | 1.079 | 555.371 | 0.999 | 14.697 |
| 10/10/2017 2:00  | 446400 | 13.058 | 17.72  | 29.763 | 1799.347 | 2089.941 | 1.421 | 1.078 | 555.757 | 0.999 | 14.696 |
| 10/10/2017 2:15  | 447300 | 13.056 | 17.721 | 29.76  | 1799.02  | 2089.54  | 1.421 | 1.078 | 555.858 | 0.999 | 14.698 |
| 10/10/2017 2:30  | 448200 | 13.058 | 17.72  | 29.763 | 1798.714 | 2089.206 | 1.421 | 1.077 | 555.953 | 0.999 | 14.696 |
| 10/10/2017 2:45  | 449100 | 13.059 | 17.72  | 29.765 | 1799.446 | 2090.052 | 1.421 | 1.078 | 555.727 | 0.999 | 14.695 |
| 10/10/2017 3:00  | 450000 | 13.069 | 17.72  | 29.789 | 1798.275 | 2088.683 | 1.42  | 1.077 | 556.089 | 0.999 | 14.683 |
| 10/10/2017 3:15  | 450900 | 13.064 | 17.72  | 29.778 | 1798.058 | 2088.44  | 1.42  | 1.077 | 556.156 | 0.999 | 14.688 |
| 10/10/2017 3:30  | 451800 | 13.065 | 17.721 | 29.78  | 1798.666 | 2089.126 | 1.421 | 1.077 | 555.968 | 0.999 | 14.687 |
| 10/10/2017 3:45  | 452700 | 13.069 | 17.72  | 29.789 | 1797.909 | 2088.279 | 1.42  | 1.077 | 556.202 | 0.999 | 14.682 |
| 10/10/2017 4:00  | 453600 | 13.068 | 17.72  | 29.787 | 1798.007 | 2088.377 | 1.42  | 1.077 | 556.171 | 0.999 | 14.682 |
| 10/10/2017 4:15  | 454500 | 13.068 | 17.72  | 29.787 | 1798.272 | 2088.799 | 1.42  | 1.077 | 556.089 | 0.999 | 14.681 |
| 10/10/2017 4:30  | 455400 | 13.068 | 17.72  | 29.786 | 1798.604 | 2089.074 | 1.421 | 1.077 | 555.987 | 0.999 | 14.681 |
| 10/10/2017 4:45  | 456300 | 13.065 | 17.72  | 29.78  | 1798.988 | 2089.524 | 1.421 | 1.078 | 555.868 | 0.999 | 14.682 |
| 10/10/2017 5:00  | 457200 | 13.063 | 17.72  | 29.775 | 1799.025 | 2089.567 | 1.421 | 1.078 | 555.857 | 0.999 | 14.686 |
| 10/10/2017 5:15  | 458100 | 13.063 | 17.72  | 29.775 | 1797.635 | 2087.948 | 1.42  | 1.077 | 556.287 | 0.999 | 14.685 |
| 10/10/2017 5:30  | 459000 | 13.064 | 17.72  | 29.778 | 1798.354 | 2088.8   | 1.42  | 1.077 | 556.064 | 0.999 | 14.685 |
| 10/10/2017 5:45  | 459900 | 13.061 | 17.72  | 29.771 | 1797.961 | 2088.323 | 1.42  | 1.076 | 556.186 | 0.999 | 14.686 |
| 10/10/2017 6:00  | 460800 | 13.06  | 17.72  | 29.768 | 1797.102 | 2087.333 | 1.419 | 1.076 | 556.452 | 0.999 | 14.688 |
| 10/10/2017 6:15  | 461700 | 13.057 | 17.72  | 29.762 | 1795.675 | 2085.696 | 1.418 | 1.075 | 556.894 | 0.999 | 14.689 |
| 10/10/2017 6:30  | 462600 | 13.059 | 17.72  | 29.766 | 1795.663 | 2085.67  | 1.418 | 1.075 | 556.897 | 0.999 | 14.686 |
| 10/10/2017 6:45  | 463500 | 13.057 | 17.72  | 29.76  | 1795.286 | 2085.224 | 1.418 | 1.075 | 557.014 | 0.999 | 14.689 |
| 10/10/2017 7:00  | 464400 | 13.052 | 17.72  | 29.748 | 1795.225 | 2085.142 | 1.418 | 1.075 | 557.033 | 0.999 | 14.696 |
| 10/10/2017 7:15  | 465300 | 13.051 | 17.72  | 29.748 | 1796.08  | 2086.17  | 1.419 | 1.076 | 556.768 | 0.999 | 14.695 |
| 10/10/2017 7:30  | 466200 | 13.054 | 17.721 | 29.754 | 1796.153 | 2086.216 | 1.419 | 1.076 | 556.745 | 0.999 | 14.693 |
| 10/10/2017 7:45  | 467100 | 13.052 | 17.721 | 29.75  | 1795.299 | 2085.215 | 1.418 | 1.075 | 557.01  | 0.999 | 14.695 |
| 10/10/2017 8:00  | 468000 | 13.058 | 17.721 | 29.764 | 1796.243 | 2086.32  | 1.419 | 1.076 | 556.717 | 0.999 | 14.688 |
| 10/10/2017 8:15  | 468900 | 13.058 | 17.72  | 29.763 | 1796.172 | 2086.262 | 1.419 | 1.076 | 556.739 | 0.999 | 14.689 |
| 10/10/2017 8:30  | 469800 | 13.049 | 17.72  | 29.742 | 1795.812 | 2085.851 | 1.418 | 1.076 | 556.851 | 0.999 | 14.698 |
| 10/10/2017 8:45  | 470700 | 13.051 | 17.721 | 29.748 | 1794.751 | 2084.582 | 1.418 | 1.075 | 557.18  | 0.999 | 14.697 |
| 10/10/2017 9:00  | 471600 | 13.048 | 17.72  | 29.741 | 1794.662 | 2084.504 | 1.417 | 1.075 | 557.208 | 0.999 | 14.7   |
| 10/10/2017 9:15  | 472500 | 13.046 | 17.721 | 29.737 | 1794.533 | 2084.326 | 1.417 | 1.075 | 557.248 | 0.999 | 14.701 |
| 10/10/2017 9:30  | 473400 | 13.048 | 17.72  | 29.74  | 1794.416 | 2084.226 | 1.417 | 1.075 | 557.284 | 0.999 | 14.7   |
| 10/10/2017 9:45  | 474300 | 13.051 | 17.72  | 29.747 | 1795.161 | 2085.083 | 1.418 | 1.075 | 557.053 | 0.999 | 14.699 |
| 10/10/2017 10:00 | 475200 | 13.057 | 17.72  | 29.761 | 1795.005 | 2084.918 | 1.418 | 1.075 | 557.102 | 0.999 | 14.693 |
| 10/10/2017 10:15 | 476100 | 13.053 | 17.72  | 29.751 | 1793.888 | 2083.593 | 1.417 | 1.074 | 557.448 | 0.999 | 14.698 |
| 10/10/2017 10:30 | 477000 | 13.055 | 17.72  | 29.756 | 1794.58  | 2084.404 | 1.417 | 1.075 | 557.234 | 0.999 | 14.696 |
| 10/10/2017 10:45 | 477900 | 13.051 | 17.72  | 29.748 | 1794.299 | 2084.07  | 1.417 | 1.075 | 557.321 | 0.999 | 14.7   |
| 10/10/2017 11:00 | 478800 | 13.057 | 17.72  | 29.76  | 1794.646 | 2084.489 | 1.417 | 1.075 | 557.213 | 0.999 | 14.694 |
| 10/10/2017 11:15 | 479700 | 13.052 | 17.72  | 29.749 | 1794.833 | 2084.701 | 1.418 | 1.075 | 557.155 | 0.999 | 14.699 |
| 10/10/2017 11:30 | 480600 | 13.053 | 17.721 | 29.752 | 1795.102 | 2084.986 | 1.418 | 1.075 | 557.072 | 0.999 | 14.698 |
| 10/10/2017 11:45 | 481500 | 13.054 | 17.72  | 29.753 | 1795.27  | 2085.213 | 1.418 | 1.075 | 557.019 | 0.999 | 14.699 |
| 10/10/2017 12:00 | 482400 | 13.054 | 17.72  | 29.754 | 1795.428 | 2085.381 | 1.418 | 1.075 | 556.97  | 0.999 | 14.698 |
| 10/10/2017 12:15 | 483300 | 13.055 | 17.72  | 29.756 | 1795.792 | 2085.804 | 1.418 | 1.076 | 556.857 | 0.999 | 14.697 |
| 10/10/2017 12:30 | 484200 | 13.052 | 17.72  | 29.749 | 1795.586 | 2085.569 | 1.418 | 1.075 | 556.921 | 0.999 | 14.7   |
| 10/10/2017 12:45 | 485100 | 13.061 | 17.72  | 29.769 | 1796.331 | 2086.438 | 1.419 | 1.076 | 556.69  | 0.999 | 14.692 |
| 10/10/2017 13:00 | 486000 | 13.059 | 17.72  | 29.765 | 1795.547 | 2085.515 | 1.418 | 1.075 | 556.933 | 0.999 | 14.694 |
| 10/10/2017 13:15 | 486900 | 13.055 | 17.72  | 29.755 | 1795.39  | 2085.333 | 1.418 | 1.075 | 556.982 | 0.999 | 14.687 |
| 10/10/2017 13:30 | 487800 | 13.059 | 17.72  | 29.766 | 1795.861 | 2085.892 | 1.418 | 1.076 | 556.836 | 0.999 | 14.69  |
| 10/10/2017 13:45 | 488700 | 13.065 | 17.72  | 29.778 | 1794.775 | 2084.631 | 1.418 | 1.075 | 557.173 | 0.999 | 14.686 |
| 10/10/2017 14:00 | 489600 | 13.06  | 17.72  | 29.767 | 1794.523 | 2084.334 | 1.417 | 1.075 | 557.251 | 0.999 | 14.692 |
| 10/10/2017 14:15 | 490500 | 13.062 | 17.72  | 29.772 | 1794.378 | 2084.198 | 1.417 | 1.075 | 557.296 | 0.999 | 14.688 |
| 10/10/2017 14:30 | 491400 | 13.065 | 17.72  | 29.778 | 1794.556 | 2084.376 | 1.417 | 1.075 | 557.241 | 0.999 | 14.685 |
| 10/10/2017 14:45 | 492300 | 13.062 | 17.72  | 29.772 | 1795.583 | 2085.578 | 1.418 | 1.075 | 556.922 | 0.999 | 14.686 |
| 10/10/2017 15:00 | 493200 | 13.061 | 17.72  | 29.771 | 1795.409 | 2085.375 | 1.418 | 1.075 | 556.976 | 0.999 | 14.687 |
| 10/10/2017 15:15 | 494100 | 13.065 | 17.72  | 29.78  | 1794.614 | 2084.471 | 1.417 | 1.075 | 557.223 | 0.999 | 14.682 |
| 10/10/2017 15:30 | 495000 | 13.063 | 17.72  | 29.775 | 1794.509 | 2084.338 | 1.417 | 1.075 | 557.255 | 0.999 | 14.685 |
| 10/10/2017 15:45 | 495900 | 13.056 | 17.72  | 29.758 | 1794.614 | 2084.444 | 1.417 | 1.075 | 557.223 | 0.999 | 14.691 |
| 10/10/2017 16:00 | 496800 | 13.064 | 17.72  | 29.776 | 1795.576 | 2085.549 | 1.418 | 1.075 | 556.924 | 0.999 | 14.683 |
| 10/10/2017 16:15 | 497700 | 13.058 | 17.72  | 29.763 | 1795.149 | 2085.062 | 1.418 | 1.075 | 557.057 | 0.999 | 14.687 |
| 10/10/2017 16:30 | 498600 | 13.057 | 17.72  | 29.761 | 1794.232 | 2084.147 | 1.417 | 1.075 | 557.341 | 0.999 | 14.69  |
| 10/10/2017 16:45 | 499500 | 13.05  | 17.72  | 29.746 | 1794.783 | 2084.644 | 1.418 | 1.075 | 557.17  | 0.999 | 14.69  |
| 10/10/2017 17:00 | 500400 | 13.056 | 17.72  | 29.758 | 1793.529 | 2083.183 | 1.417 | 1.074 | 557.56  | 0.999 | 14.69  |
| 10/10/2017 17:15 | 501300 | 13.057 | 17.72  | 29.76  | 1794.441 | 2084.23  | 1.417 | 1.075 | 557.277 | 0.999 | 14.689 |
| 10/10/2017 17:30 | 502200 | 13.061 | 17.72  | 29.771 | 1793.224 | 2082.829 | 1.416 | 1.074 | 557.655 | 0.999 | 14.683 |
| 10/10/2017 17:45 | 503100 | 13.061 | 17.72  | 29.77  | 1793.842 | 2083.555 | 1.417 | 1.074 | 557.463 | 0.999 | 14.685 |
| 10/10/2017 18:00 | 504000 | 13.056 | 17.72  | 29.762 | 1792.671 | 2082.159 | 1.416 | 1.073 | 557.825 | 0.999 | 14.689 |
| 10/10/2017 18:15 | 504900 | 13.058 | 17.72  | 29.764 | 1793.075 | 2082.66  | 1.416 | 1.074 | 557.701 | 0.999 | 14.687 |
| 10/10/2017 18:30 | 505800 | 13.056 | 17.72  | 29.76  | 1792.451 | 2081.932 | 1.416 | 1.073 | 557.895 | 0.999 | 14.689 |
| 10/10/2017 18:45 | 506700 | 13.058 | 17.72  | 29.763 | 1793.268 | 2082.884 | 1.416 | 1.074 | 557.641 | 0.999 | 14.687 |
| 10/10/2017 19:00 | 507600 | 13.058 | 17.72  | 29.764 | 1791.897 | 2081.288 | 1.415 | 1.073 | 558.068 | 0.999 | 14.688 |
| 10/10/2017 19:15 | 508500 | 13.052 | 17.72  | 29.749 | 1792     | 2081.395 | 1.415 | 1.073 | 558.036 | 0.999 | 14.693 |
| 10/10/2017 19:30 | 509400 | 13.053 | 17.72  | 29.752 | 1791.201 | 2080.552 | 1.415 | 1.073 | 558.285 | 0.999 | 14.692 |
| 10/10/2017 19:45 | 510300 | 13.049 | 17.72  | 29.742 | 1791.362 | 2080.675 | 1.415 | 1.073 | 558.234 | 0.999 | 14.696 |
| 10/10/2017 20:00 | 511200 | 13.056 | 17.72  | 29.758 | 1792.036 | 2081.473 | 1.415 | 1.073 | 558.025 | 0.999 | 14.691 |
| 10/10/2017 20:15 | 512100 | 13.057 | 17.72  | 29.762 | 1791.607 | 2080.971 | 1.415 | 1.073 | 558.158 | 0.999 | 14.689 |
| 10/10/2017 20:30 | 513000 | 13.045 | 17.72  | 29.735 | 1792.543 | 2082.055 | 1.416 | 1.074 | 557.867 | 0.999 | 14.701 |
| 10/10/2017 20:45 | 513900 | 13.053 | 17.72  | 29.752 | 1791.84  | 2081.226 | 1.415 | 1.073 | 558.085 | 0.999 | 14.693 |
| 10/10/2017 21:00 | 514800 | 13.054 | 17.72  | 29.754 | 1792.582 | 2082.107 | 1.416 | 1.074 | 557.853 | 0.999 | 14.697 |
| 10/10/2017 21:15 | 515700 | 13.052 | 17.72  | 29.749 | 1792.613 | 2082.107 | 1.416 | 1.074 | 557.845 | 0.999 | 14.694 |
| 10/10/2017 21:30 | 516600 | 13.05  | 17.72  | 29.746 | 1791.629 | 2080.977 | 1.415 | 1.073 | 558.151 | 0.999 | 14.696 |
| 10/10/2017 21:45 | 517500 | 13.053 | 17.72  | 29.752 | 1792.444 | 2081.931 | 1.416 | 1.073 | 557.898 | 0.999 | 14.695 |
| 10/10/2017 22:00 | 518400 | 13.053 | 17.72  | 29.751 | 1791.515 | 2080.844 | 1.415 | 1.073 | 558.187 | 0.999 | 14.696 |
| 10/10/2017 22:15 | 519300 | 13.052 | 17.72  | 29.75  | 1792.267 | 2081.729 | 1.416 |       |         |       |        |

Report Date: 10/13/2017 8:36  
Report User Name: WMassoll  
Report Computer Name: WKST52  
Application: WinSitu.exe  
Application Version: 5.6.27.1

Log File Properties  
File Name MPWSP MW-8D LT Test\_2017-10-12\_13-59-23-127-BaroMerge.wsl  
Create Date 10/13/2017 8:31

Device Properties  
Device Aqua TROLL 200  
Site MPWSP MW-8D  
Device Name  
Serial Number 469355  
Firmware Version 2.01  
Hardware Version 4  
Device Address 1  
Device Comm Cfg 19200 8 Even 1 (Modbus-RTU)  
Used Memory 20  
Used Battery 11

Log Configuration  
Log Name MPWSP MW-8D LT Test  
Created By AVanHaitsma  
Computer Name PROBOOK2  
Application WinSitu.exe  
Application Version 5.6.27.1  
Create Date 6/22/2017 11:17:22 AM Pacific Daylight Time  
Log Setup Time Zone Pacific Daylight Time  
Notes Size(bytes) 4096  
Overwrite when full Enabled  
Scheduled Start Time 6/22/2017 11:30:00 AM Pacific Daylight Time  
Scheduled Stop Time No Stop Time  
Type Linear  
Interval Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation  
Level Measurement Mode Depth 1.012  
Specific Gravity

Other Log Settings  
Depth of Probe: 329.048 (ft)  
Head Pressure: 144.363 (PSI)  
Temperature: 20.3733 (C)  
Specific Conductivity Model: Standard Methods  
Reference Temperature: 25  
Temperature Coefficient: 0.0191  
TDS Factor: 0.68

Log Notes:  
Date and Time Note  
6/22/2017 11:17 Used Battery: 11% Used Memory: 20% User Name: AVanHaitsma  
6/22/2017 11:32 Log Download - Used Battery: 11% Used Memory: 20% User Name: AVanHaitsma Interval - Start Time: 6/22/2017 11:30:00 AM Stop Time: 6/22/2017 12:30:00 PM  
6/29/2017 15:12 Log Download - Used Battery: 11% Used Memory: 20% User Name: WMassoll Interval - Start Time: 6/29/2017 4:00:00 PM Stop Time: 6/29/2017 4:00:00 PM  
7/6/2017 7:41 Log Download - Used Battery: 12% Used Memory: 21% User Name: AVanHaitsma Interval - Start Time: 5/31/2017 10:00:00 PM Stop Time: 7/6/2017 8:30:00 AM  
7/13/2017 13:33 Log Download - Used Battery: 12% Used Memory: 21% User Name: WMassoll Interval - Start Time: 7/5/2017 10:00:00 PM Stop Time: 7/13/2017 1:30:00 PM  
7/20/2017 11:15 Log Download - Used Battery: 13% Used Memory: 23% User Name: WMassoll Interval - Start Time: 7/12/2017 10:00:00 PM Stop Time: 7/20/2017 11:15:00 AM  
7/27/2017 10:25 Log Download - Used Battery: 13% Used Memory: 23% User Name: AVanHaitsma Interval - Start Time: 7/19/2017 10:00:00 PM Stop Time: 7/27/2017 11:15:00 AM  
8/3/2017 10:58 Log Download - Used Battery: 13% Used Memory: 25% User Name: AVanHaitsma Interval - Start Time: 6/30/2017 10:00:00 PM Stop Time: 8/3/2017 11:30:00 AM  
8/10/2017 11:24 Log Download - Used Battery: 14% Used Memory: 25% User Name: WMassoll Interval - Start Time: 8/2/2017 10:00:00 PM Stop Time: 8/10/2017 12:15:00 PM  
8/17/2017 12:13 Log Download - Used Battery: 14% Used Memory: 26% User Name: AVanHaitsma Interval - Start Time: 8/9/2017 10:00:00 PM Stop Time: 8/17/2017 1:00:00 PM  
8/24/2017 9:06 Log Download - Used Battery: 14% Used Memory: 26% User Name: AVanHaitsma Interval - Start Time: 8/16/2017 10:00:00 PM Stop Time: 8/24/2017 10:00:00 AM  
9/1/2017 12:32 Log Download - Used Battery: 15% Used Memory: 28% User Name: WMassoll Interval - Start Time: 7/31/2017 10:00:00 PM Stop Time: 9/1/2017 1:30:00 PM  
9/7/2017 12:58 Log Download - Used Battery: 15% Used Memory: 28% User Name: WMassoll Interval - Start Time: 8/31/2017 10:00:00 PM Stop Time: 9/7/2017 1:45:00 PM  
9/14/2017 13:36 Log Download - Used Battery: 15% Used Memory: 29% User Name: AVanHaitsma Interval - Start Time: 9/6/2017 10:00:00 PM Stop Time: 9/14/2017 2:30:00 PM  
9/21/2017 12:50 Log Download - Used Battery: 16% Used Memory: 29% User Name: AVanHaitsma Interval - Start Time: 9/13/2017 10:00:00 PM Stop Time: 9/21/2017 1:45:00 PM  
9/28/2017 11:58 Log Download - Used Battery: 16% Used Memory: 31% User Name: WMassoll Interval - Start Time: 9/20/2017 10:00:00 PM Stop Time: 9/28/2017 12:45:00 PM  
10/5/2017 13:34 Log Download - Used Battery: 17% Used Memory: 31% User Name: WMassoll Interval - Start Time: 8/31/2017 10:00:00 PM Stop Time: 10/5/2017 2:30:00 PM  
10/12/2017 13:58 Log Download - Used Battery: 17% Used Memory: 32% User Name: AVanHaitsma Interval - Start Time: 10/4/2017 10:00:00 PM Stop Time: 10/12/2017 2:45:00 PM  
10/13/2017 8:31 User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll\_2017-10-12\_17-14-36-585.wsl""

Log Data:  
Record Count 736  
Sensors 2  
1 469355 PCTD 300 PSIA (200.7m/658.7ft)  
2 0 Baro-Adjustment Calc

Time Zone: Pacific Daylight Time

| Date and Time   | Elapsed Time<br>Seconds | Sensor: PCTD(A) 658.7ft     | Sensor: PCTD(A) 658.7ft | Sensor: PCTD(A) 658.7ft | Sensor: PCTD(A) 658.7ft     |
|-----------------|-------------------------|-----------------------------|-------------------------|-------------------------|-----------------------------|
|                 |                         | SNR: 469355                 | SNR: 469355             | SNR: 469355             | SNR: 469355                 |
|                 |                         | Corrected<br>Pressure (PSI) | Temperature (C)         | Corrected<br>Depth (ft) | Actual Conductivity (µS/cm) |
| 10/5/2017 0:00  | 7200                    | 130.283                     | 20.393                  | 296.954                 | 12169.648                   |
| 10/5/2017 0:15  | 8100                    | 130.28                      | 20.403                  | 296.947                 | 12159.673                   |
| 10/5/2017 0:30  | 9000                    | 130.272                     | 20.405                  | 296.93                  | 12175.909                   |
| 10/5/2017 0:45  | 9900                    | 130.279                     | 20.403                  | 296.946                 | 12168.964                   |
| 10/5/2017 1:00  | 10800                   | 130.298                     | 20.384                  | 296.989                 | 12170.218                   |
| 10/5/2017 1:15  | 11700                   | 130.282                     | 20.39                   | 296.953                 | 12172.234                   |
| 10/5/2017 1:30  | 12600                   | 130.285                     | 20.396                  | 296.96                  | 12175.982                   |
| 10/5/2017 1:45  | 13500                   | 130.29                      | 20.389                  | 296.971                 | 12169.716                   |
| 10/5/2017 2:00  | 14400                   | 130.282                     | 20.391                  | 296.953                 | 12161.736                   |
| 10/5/2017 2:15  | 15300                   | 130.282                     | 20.395                  | 296.953                 | 12172.303                   |
| 10/5/2017 2:30  | 16200                   | 130.278                     | 20.397                  | 296.944                 | 12168.513                   |
| 10/5/2017 2:45  | 17100                   | 130.268                     | 20.407                  | 296.922                 | 12172.19                    |
| 10/5/2017 3:00  | 18000                   | 130.26                      | 20.394                  | 296.902                 | 12169.484                   |
| 10/5/2017 3:15  | 18900                   | 130.285                     | 20.4                    | 296.959                 | 12170.81                    |
| 10/5/2017 3:30  | 19800                   | 130.256                     | 20.39                   | 296.893                 | 12167.361                   |
| 10/5/2017 3:45  | 20700                   | 130.249                     | 20.394                  | 296.877                 | 12171.663                   |
| 10/5/2017 4:00  | 21600                   | 130.243                     | 20.401                  | 296.864                 | 12169.085                   |
| 10/5/2017 4:15  | 22500                   | 130.226                     | 20.389                  | 296.825                 | 12163.852                   |
| 10/5/2017 4:30  | 23400                   | 130.217                     | 20.407                  | 296.805                 | 12169.947                   |
| 10/5/2017 4:45  | 24300                   | 130.22                      | 20.395                  | 296.812                 | 12152.789                   |
| 10/5/2017 5:00  | 25200                   | 130.212                     | 20.392                  | 296.793                 | 12163.423                   |
| 10/5/2017 5:15  | 26100                   | 130.2                       | 20.388                  | 296.766                 | 12166.097                   |
| 10/5/2017 5:30  | 27000                   | 130.233                     | 20.39                   | 296.841                 | 12165.192                   |
| 10/5/2017 5:45  | 27900                   | 130.223                     | 20.39                   | 296.818                 | 12159.128                   |
| 10/5/2017 6:00  | 28800                   | 130.19                      | 20.4                    | 296.742                 | 12168.083                   |
| 10/5/2017 6:15  | 29700                   | 130.205                     | 20.388                  | 296.777                 | 12151.446                   |
| 10/5/2017 6:30  | 30600                   | 130.186                     | 20.396                  | 296.734                 | 12159.626                   |
| 10/5/2017 6:45  | 31500                   | 130.183                     | 20.395                  | 296.726                 | 12154.757                   |
| 10/5/2017 7:00  | 32400                   | 130.198                     | 20.403                  | 296.762                 | 12149.656                   |
| 10/5/2017 7:15  | 33300                   | 130.192                     | 20.396                  | 296.748                 | 12161.095                   |
| 10/5/2017 7:30  | 34200                   | 130.192                     | 20.396                  | 296.748                 | 12162.772                   |
| 10/5/2017 7:45  | 35100                   | 130.19                      | 20.393                  | 296.743                 | 12150.672                   |
| 10/5/2017 8:00  | 36000                   | 130.195                     | 20.396                  | 296.755                 | 12160.281                   |
| 10/5/2017 8:15  | 36900                   | 130.216                     | 20.402                  | 296.802                 | 12165.337                   |
| 10/5/2017 8:30  | 37800                   | 130.203                     | 20.396                  | 296.774                 | 12150.203                   |
| 10/5/2017 8:45  | 38700                   | 130.207                     | 20.408                  | 296.783                 | 12160.623                   |
| 10/5/2017 9:00  | 39600                   | 130.205                     | 20.402                  | 296.777                 | 12160.889                   |
| 10/5/2017 9:15  | 40500                   | 130.219                     | 20.4                    | 296.81                  | 12154.843                   |
| 10/5/2017 9:30  | 41400                   | 130.221                     | 20.38                   | 296.814                 | 12152.384                   |
| 10/5/2017 9:45  | 42300                   | 130.229                     | 20.39                   | 296.832                 | 12154.872                   |
| 10/5/2017 10:00 | 43200                   | 130.262                     | 20.396                  | 296.908                 | 12160.735                   |
| 10/5/2017 10:15 | 44100                   | 130.255                     | 20.399                  | 296.891                 | 12162.908                   |
| 10/5/2017 10:30 | 45000                   | 130.272                     | 20.392                  | 296.93                  | 12146.098                   |
| 10/5/2017 10:45 | 45900                   | 130.277                     | 20.401                  | 296.942                 | 12161.301                   |
| 10/5/2017 11:00 | 46800                   | 130.291                     | 20.401                  | 296.974                 | 12160.433                   |
| 10/5/2017 11:15 | 47700                   | 130.315                     | 20.399                  | 297.029                 | 12159.035                   |
| 10/5/2017 11:30 | 48600                   | 130.296                     | 20.4                    | 296.985                 | 12145.615                   |
| 10/5/2017 11:45 | 49500                   | 130.325                     | 20.405                  | 297.05                  | 12163.311                   |
| 10/5/2017 12:00 | 50400                   | 130.308                     | 20.391                  | 297.011                 | 12156.515                   |
| 10/5/2017 12:15 | 51300                   | 130.349                     | 20.399                  | 297.106                 | 12160.355                   |
| 10/5/2017 12:30 | 52200                   | 130.321                     | 20.4                    | 297.042                 | 12160.821                   |
| 10/5/2017 12:45 | 53100                   | 130.333                     | 20.404                  | 297.07                  | 12164.971                   |
| 10/5/2017 13:00 | 54000                   | 130.328                     | 20.396                  | 297.057                 | 12160.761                   |
| 10/5/2017 13:15 | 54900                   | 130.334                     | 20.397                  | 297.072                 | 12159.313                   |
| 10/5/2017 13:30 | 55800                   | 130.358                     | 20.387                  | 297.126                 | 12159.066                   |
| 10/5/2017 13:45 | 56700                   | 130.344                     | 20.409                  | 297.095                 | 12163.512                   |
| 10/5/2017 14:00 | 57600                   | 130.352                     | 20.386                  | 297.113                 | 12161.979                   |
| 10/5/2017 14:15 | 58500                   | 130.385                     | 20.393                  | 297.188                 | 12158.474                   |
| 10/5/2017 14:30 | 59400                   | 130.363                     | 20.398                  | 297.139                 | 12160.136                   |
| 10/5/2017 14:45 | 60300                   | 130.374                     | 20.406                  | 297.162                 | 12162.223                   |
| 10/5/2017 15:00 | 61200                   | 130.358                     | 20.396                  | 297.127                 | 12157.881                   |
| 10/5/2017 15:15 | 62100                   | 130.35                      | 20.394                  | 297.108                 | 12156.489                   |
| 10/5/2017 15:30 | 63000                   | 130.326                     | 20.405                  | 297.054                 | 12156.489                   |
| 10/5/2017 15:45 | 63900                   | 130.341                     | 20.387                  | 297.087                 | 12157.881                   |
| 10/5/2017 16:00 | 64800                   | 130.326                     | 20.4                    | 297.052                 | 12156.489                   |
| 10/5/2017 16:15 | 65700                   | 130.344                     | 20.383                  | 297.094                 | 12157.881                   |
| 10/5/2017 16:30 | 66600                   | 130.31                      | 20.405                  | 297.016                 | 12157.881                   |
| 10/5/2017 16:45 | 67500                   | 130.301                     | 20.397                  | 296.995                 | 12157.881                   |
| 10/5/2017 17:00 | 68400                   | 130.295                     | 20.405                  | 296.982                 | 12160.355                   |
| 10/5/2017 17:15 | 69300                   | 130.299                     | 20.393                  | 296.991                 | 12157.881                   |
| 10/5/2017 17:30 | 70200                   | 130.32                      | 20.411                  | 297.039                 | 12157.881                   |
| 10/5/2017 17:45 | 71100                   | 130.316                     | 20.395                  | 297.03                  | 12157.881                   |
| 10/5/2017 18:00 | 72000                   | 130.306                     | 20.398                  | 297.008                 | 12157.881                   |
| 10/5/2017 18:15 | 72900                   | 130.294                     | 20.408                  | 296.979                 | 12157.881                   |
| 10/5/2017 18:30 | 73800                   | 130.299                     | 20.395                  | 296.993                 | 12147.337                   |
| 10/5/2017 18:45 | 74700                   | 130.263                     | 20.391                  | 296.909                 | 12147.337                   |
| 10/5/2017 19:00 | 75600                   | 130.267                     | 20.405                  | 296.918                 | 12147.337                   |
| 10/5/2017 19:15 | 76500                   | 130.3                       | 20.4                    | 296.993                 | 12147.337                   |
| 10/5/2017 19:30 | 77400                   | 130.266                     | 20.398                  | 296.917                 | 12147.337                   |
| 10/5/2017 19:45 | 78300                   | 130.298                     | 20.399                  | 296.99                  | 12137.337                   |
| 10/5/2017 20:00 | 79200                   | 130.266                     | 20.384                  | 296.917                 | 12147.337                   |
| 10/5/2017 20:15 | 80100                   | 130.266                     | 20.401                  | 296.916                 | 12137.337                   |
| 10/5/2017 20:30 | 81000                   | 130.268                     | 20.397                  | 296.922                 | 12147.337                   |
| 10/5/2017 20:45 | 81900                   | 130.275                     | 20.398                  | 296.936                 | 12147.337                   |
| 10/5/2017 21:00 | 82800                   | 130.278                     | 20.395                  | 296.944                 | 12127.337                   |
| 10/5/2017 21:15 | 83700                   | 130.284                     | 20.404                  | 296.958                 | 12147.337                   |
| 10/5/2017 21:30 | 84600                   | 130.295                     | 20.392                  | 296.983                 | 12127.337                   |
| 10/5/2017 21:45 | 85500                   | 130.298                     | 20.406                  | 296.989                 | 12147.337                   |
| 10/5/2017 22:00 | 86400                   | 130.306                     | 20.4                    | 297.008                 | 12137.337                   |
| 10/5/2017 22:15 | 87300                   | 130.319                     | 20.394                  | 297.037                 | 12137.337                   |
| 10/5/2017 22:30 | 88200                   | 130.318                     | 20.404                  | 297.034                 | 12137.337                   |
| 10/5/2017 22:45 | 89100                   | 130.331                     | 20.402                  | 297.064                 | 12137.337                   |
| 10/5/2017 23:00 | 90000                   | 130.368                     | 20.41                   | 297.148                 | 12137.337                   |
| 10/5/2017 23:15 | 90900                   | 130.341                     | 20.392                  | 297.088                 | 12127.337                   |
| 10/5/2017 23:30 | 91800                   | 130.36                      | 20.396                  | 297.131                 | 12147.337                   |
| 10/5/2017 23:45 | 92700                   | 130.347                     | 20.407                  | 297.101                 | 12147.337                   |
| 10/6/2017 0:00  | 93600                   | 130.362                     | 20.414                  | 297.135                 | 12147.337                   |
| 10/6/2017 0:15  | 94500                   | 130.368                     | 20.403                  | 297.149                 | 12147.337                   |
| 10/6/2017 0:30  | 95400                   | 130.372                     | 20.393                  | 297.159                 | 12137.337                   |
| 10/6/2017 0:45  | 96300                   | 130.378                     | 20.394                  | 297.176                 | 12147.337                   |
| 10/6/2017 1:00  | 97200                   | 130.375                     | 20.401                  | 297.166                 | 12137.337                   |
| 10/6/2017 1:15  | 98100                   | 130.391                     | 20.398                  | 297.202                 | 12147.337                   |
| 10/6/2017 1:30  | 99000                   | 130.42                      | 20.399                  | 297.267                 | 12147.337                   |
| 10/6/2017 1:45  | 99900                   | 130.384                     | 20.403                  | 297.186                 | 12147.337                   |
| 10/6/2017 2:00  | 100800                  | 130.392                     | 20.402                  | 297.204                 | 12147.337                   |
| 10/6/2017 2:15  | 101700                  | 130.393                     | 20.397                  | 297.206                 | 12147.337                   |
| 10/6/2017 2:30  | 102600                  | 130.377                     | 20.394                  | 297.169                 | 12127.337                   |
| 10/6/2017 2:45  | 103500                  | 130.383                     | 20.396                  | 297.184                 | 12127.337                   |
| 10/6/2017 3:00  | 104400                  | 130.376                     | 20.409                  | 297.168                 | 12147.337                   |
| 10/6/2017 3:15  | 105300                  | 130.377                     | 20.395                  | 297.17                  | 12137.337                   |
| 10/6/2017 3:30  | 106200                  | 130.396                     | 20.382                  | 297.213                 | 12137.337                   |
| 10/6/2017 3:45  | 107100                  | 130.368                     | 20.398                  | 297.148                 | 12137.337                   |
| 10/6/2017 4:00  | 108000                  | 130.373                     | 20.394                  | 297.16                  | 12127.337                   |
| 10/6/2017 4:15  | 108900                  | 130.36                      | 20.398                  | 297.131                 | 12147.337                   |
| 10/6/2017 4:30  | 109800                  | 130.384                     | 20.405                  | 297.185                 | 12127.337                   |
| 10/6/2017 4:45  | 110700                  | 130.351                     | 20.385                  | 297.111                 | 12127.337                   |

|                 |        |         |        |         |           |           |       |       |        |       |        |
|-----------------|--------|---------|--------|---------|-----------|-----------|-------|-------|--------|-------|--------|
| 10/6/2017 5:00  | 111600 | 130.378 | 20.406 | 297.172 | 12130.199 | 13306.767 | 7.758 | 9.049 | 82.378 | 1.004 | 14.726 |
| 10/6/2017 5:15  | 112500 | 130.341 | 20.39  | 297.088 | 12133.497 | 13304.886 | 7.756 | 9.047 | 82.416 | 1.004 | 14.726 |
| 10/6/2017 5:30  | 113400 | 130.328 | 20.402 | 297.058 | 12134.823 | 13302.989 | 7.755 | 9.046 | 82.407 | 1.004 | 14.731 |
| 10/6/2017 5:45  | 114300 | 130.331 | 20.396 | 297.064 | 12132.086 | 13301.737 | 7.754 | 9.045 | 82.426 | 1.004 | 14.724 |
| 10/6/2017 6:00  | 115200 | 130.327 | 20.381 | 297.055 | 12130.34  | 13304.07  | 7.756 | 9.047 | 82.438 | 1.004 | 14.724 |
| 10/6/2017 6:15  | 116000 | 130.318 | 20.403 | 297.035 | 12124.552 | 13291.511 | 7.748 | 9.038 | 82.477 | 1.004 | 14.726 |
| 10/6/2017 6:30  | 117000 | 130.311 | 20.399 | 297.02  | 12130.668 | 13290.959 | 7.754 | 9.045 | 82.436 | 1.004 | 14.732 |
| 10/6/2017 6:45  | 117900 | 130.347 | 20.394 | 297.1   | 12124.545 | 13294.05  | 7.749 | 9.04  | 82.477 | 1.004 | 14.733 |
| 10/6/2017 7:00  | 118800 | 130.308 | 20.393 | 297.011 | 12129.283 | 13299.513 | 7.753 | 9.044 | 82.445 | 1.004 | 14.731 |
| 10/6/2017 7:15  | 119700 | 130.346 | 20.383 | 297.098 | 12126.734 | 13299.508 | 7.753 | 9.044 | 82.462 | 1.004 | 14.732 |
| 10/6/2017 7:30  | 120600 | 130.316 | 20.388 | 297.031 | 12125.921 | 13297.307 | 7.751 | 9.042 | 82.468 | 1.004 | 14.736 |
| 10/6/2017 7:45  | 121500 | 130.313 | 20.399 | 297.024 | 12124.669 | 13292.806 | 7.749 | 9.039 | 82.476 | 1.004 | 14.732 |
| 10/6/2017 8:00  | 122400 | 130.311 | 20.403 | 297.019 | 12120.755 | 13290.212 | 7.747 | 9.037 | 82.536 | 1.004 | 14.736 |
| 10/6/2017 8:15  | 123300 | 130.311 | 20.389 | 297.018 | 12121.911 | 13292.477 | 7.748 | 9.039 | 82.495 | 1.004 | 14.744 |
| 10/6/2017 8:30  | 124200 | 130.33  | 20.391 | 297.062 | 12121.124 | 13291.245 | 7.748 | 9.038 | 82.501 | 1.004 | 14.736 |
| 10/6/2017 8:45  | 125100 | 130.325 | 20.397 | 297.051 | 12126.701 | 13295.736 | 7.751 | 9.041 | 82.463 | 1.004 | 14.741 |
| 10/6/2017 9:00  | 126000 | 130.349 | 20.404 | 297.106 | 12126.455 | 13293.282 | 7.749 | 9.039 | 82.464 | 1.004 | 14.753 |
| 10/6/2017 9:15  | 126900 | 130.334 | 20.396 | 297.072 | 12124.121 | 13293.151 | 7.749 | 9.039 | 82.48  | 1.004 | 14.743 |
| 10/6/2017 9:30  | 127800 | 130.336 | 20.405 | 297.076 | 12113.887 | 13279.256 | 7.74  | 9.03  | 82.55  | 1.004 | 14.751 |
| 10/6/2017 9:45  | 128700 | 130.369 | 20.408 | 297.152 | 12127.111 | 13292.888 | 7.749 | 9.039 | 82.46  | 1.004 | 14.744 |
| 10/6/2017 10:00 | 129600 | 130.344 | 20.393 | 297.093 | 12125.008 | 13294.776 | 7.75  | 9.04  | 82.474 | 1.004 | 14.752 |
| 10/6/2017 10:15 | 130500 | 130.385 | 20.415 | 297.188 | 12128.069 | 13292.218 | 7.748 | 9.039 | 82.453 | 1.004 | 14.747 |
| 10/6/2017 10:30 | 131400 | 130.36  | 20.393 | 297.13  | 12110.919 | 13279.427 | 7.74  | 9.03  | 82.57  | 1.004 | 14.75  |
| 10/6/2017 10:45 | 132300 | 130.379 | 20.402 | 297.175 | 12111.447 | 13277.533 | 7.739 | 9.029 | 82.567 | 1.004 | 14.747 |
| 10/6/2017 11:00 | 133200 | 130.391 | 20.402 | 297.201 | 12124.754 | 13291.975 | 7.748 | 9.039 | 82.476 | 1.004 | 14.739 |
| 10/6/2017 11:15 | 134100 | 130.402 | 20.397 | 297.227 | 12121.803 | 13290.318 | 7.747 | 9.037 | 82.496 | 1.004 | 14.739 |
| 10/6/2017 11:30 | 135000 | 130.439 | 20.405 | 297.31  | 12123.654 | 13290.163 | 7.747 | 9.037 | 82.483 | 1.004 | 14.74  |
| 10/6/2017 11:45 | 135900 | 130.422 | 20.386 | 297.273 | 12118.842 | 13290.076 | 7.747 | 9.037 | 82.516 | 1.004 | 14.737 |
| 10/6/2017 12:00 | 136800 | 130.423 | 20.394 | 297.273 | 12119.95  | 13289.086 | 7.746 | 9.037 | 82.509 | 1.004 | 14.737 |
| 10/6/2017 12:15 | 137700 | 130.466 | 20.398 | 297.373 | 12118.804 | 13286.616 | 7.745 | 9.035 | 82.516 | 1.004 | 14.73  |
| 10/6/2017 12:30 | 138600 | 130.464 | 20.393 | 297.368 | 12122.868 | 13292.286 | 7.749 | 9.039 | 82.489 | 1.004 | 14.739 |
| 10/6/2017 12:45 | 139500 | 130.454 | 20.395 | 297.345 | 12120.458 | 13289.449 | 7.747 | 9.037 | 82.505 | 1.004 | 14.735 |
| 10/6/2017 13:00 | 140400 | 130.476 | 20.397 | 297.395 | 12124.989 | 13293.642 | 7.749 | 9.04  | 82.474 | 1.004 | 14.734 |
| 10/6/2017 13:15 | 141300 | 130.486 | 20.408 | 297.419 | 12126.045 | 13291.862 | 7.748 | 9.038 | 82.467 | 1.004 | 14.722 |
| 10/6/2017 13:30 | 142200 | 130.454 | 20.409 | 297.345 | 12124.758 | 13290.114 | 7.747 | 9.037 | 82.476 | 1.004 | 14.725 |
| 10/6/2017 13:45 | 143100 | 130.452 | 20.397 | 297.341 | 12113.366 | 13281.068 | 7.741 | 9.031 | 82.553 | 1.004 | 14.726 |
| 10/6/2017 14:00 | 144000 | 130.493 | 20.397 | 297.434 | 12121.123 | 13285.034 | 7.744 | 9.034 | 82.528 | 1.004 | 14.714 |
| 10/6/2017 14:15 | 144900 | 130.489 | 20.409 | 297.424 | 12113.142 | 13275.357 | 7.738 | 9.024 | 82.569 | 1.004 | 14.715 |
| 10/6/2017 14:30 | 145800 | 130.455 | 20.408 | 297.347 | 12111.012 | 13275.314 | 7.738 | 9.027 | 82.569 | 1.004 | 14.718 |
| 10/6/2017 14:45 | 146700 | 130.451 | 20.396 | 297.338 | 12121.403 | 13290.095 | 7.747 | 9.037 | 82.499 | 1.004 | 14.714 |
| 10/6/2017 15:00 | 147600 | 130.445 | 20.402 | 297.324 | 12114.398 | 13280.794 | 7.741 | 9.031 | 82.546 | 1.004 | 14.715 |
| 10/6/2017 15:15 | 148500 | 130.478 | 20.397 | 297.4   | 12101.289 | 13267.728 | 7.733 | 9.022 | 82.636 | 1.004 | 14.71  |
| 10/6/2017 15:30 | 149400 | 130.467 | 20.391 | 297.31  | 12121.647 | 13291.223 | 7.744 | 9.034 | 82.532 | 1.004 | 14.714 |
| 10/6/2017 15:45 | 150300 | 130.468 | 20.399 | 297.377 | 12110.161 | 13276.899 | 7.739 | 9.028 | 82.575 | 1.004 | 14.715 |
| 10/6/2017 16:00 | 151200 | 130.422 | 20.392 | 297.273 | 12116.813 | 13286.059 | 7.744 | 9.035 | 82.53  | 1.004 | 14.715 |
| 10/6/2017 16:15 | 152100 | 130.413 | 20.398 | 297.251 | 12106.085 | 13272.844 | 7.736 | 9.026 | 82.603 | 1.004 | 14.713 |
| 10/6/2017 16:30 | 153000 | 130.4   | 20.394 | 297.221 | 12115.504 | 13284.21  | 7.743 | 9.033 | 82.539 | 1.004 | 14.709 |
| 10/6/2017 16:45 | 153900 | 130.433 | 20.411 | 297.298 | 12110.671 | 13274.237 | 7.737 | 9.026 | 82.572 | 1.004 | 14.711 |
| 10/6/2017 17:00 | 154800 | 130.389 | 20.397 | 297.196 | 12110.851 | 13278.116 | 7.739 | 9.029 | 82.571 | 1.004 | 14.713 |
| 10/6/2017 17:15 | 155700 | 130.391 | 20.404 | 297.202 | 12113.358 | 13276.733 | 7.739 | 9.028 | 82.567 | 1.004 | 14.71  |
| 10/6/2017 17:30 | 156600 | 130.403 | 20.415 | 297.23  | 12106.486 | 13268.319 | 7.733 | 9.022 | 82.6   | 1.004 | 14.707 |
| 10/6/2017 17:45 | 157500 | 130.363 | 20.398 | 297.137 | 12112.127 | 13279.346 | 7.74  | 9.03  | 82.562 | 1.004 | 14.714 |
| 10/6/2017 18:00 | 158400 | 130.362 | 20.398 | 297.134 | 12100.538 | 13266.735 | 7.732 | 9.021 | 82.61  | 1.004 | 14.705 |
| 10/6/2017 18:15 | 159300 | 130.346 | 20.387 | 297.099 | 12089.465 | 13257.524 | 7.726 | 9.015 | 82.717 | 1.004 | 14.712 |
| 10/6/2017 18:30 | 160200 | 130.335 | 20.402 | 297.073 | 12091.873 | 13255.928 | 7.725 | 9.014 | 82.7   | 1.004 | 14.711 |
| 10/6/2017 18:45 | 161100 | 130.359 | 20.402 | 297.129 | 12102.93  | 13268.172 | 7.733 | 9.022 | 82.625 | 1.004 | 14.71  |
| 10/6/2017 19:00 | 162000 | 130.358 | 20.404 | 297.126 | 12104.551 | 13269.343 | 7.734 | 9.023 | 82.614 | 1.004 | 14.711 |
| 10/6/2017 19:15 | 162900 | 130.323 | 20.396 | 297.047 | 12099.232 | 13265.84  | 7.732 | 9.021 | 82.65  | 1.004 | 14.705 |
| 10/6/2017 19:30 | 163800 | 130.301 | 20.404 | 296.996 | 12103.733 | 13268.352 | 7.733 | 9.022 | 82.619 | 1.004 | 14.714 |
| 10/6/2017 19:45 | 164700 | 130.307 | 20.399 | 297.011 | 12099.478 | 13265.187 | 7.731 | 9.02  | 82.648 | 1.004 | 14.708 |
| 10/6/2017 20:00 | 165600 | 130.326 | 20.414 | 297.054 | 12104.307 | 13266.437 | 7.732 | 9.021 | 82.615 | 1.004 | 14.716 |
| 10/6/2017 20:15 | 166500 | 130.308 | 20.405 | 297.011 | 12098.915 | 13257.665 | 7.726 | 9.015 | 82.714 | 1.004 | 14.715 |
| 10/6/2017 20:30 | 167400 | 130.298 | 20.393 | 296.988 | 12098.571 | 13265.789 | 7.732 | 9.021 | 82.654 | 1.004 | 14.713 |
| 10/6/2017 20:45 | 168300 | 130.3   | 20.398 | 296.994 | 12096.153 | 13261.928 | 7.729 | 9.018 | 82.671 | 1.004 | 14.713 |
| 10/6/2017 21:00 | 169200 | 130.303 | 20.393 | 297.002 | 12093.314 | 13260.194 | 7.728 | 9.017 | 82.69  | 1.004 | 14.713 |
| 10/6/2017 21:15 | 170100 | 130.298 | 20.389 | 296.989 | 12090.517 | 13258.12  | 7.727 | 9.016 | 82.709 | 1.004 | 14.713 |
| 10/6/2017 21:30 | 171000 | 130.306 | 20.394 | 297.007 | 12095.749 | 13262.647 | 7.73  | 9.019 | 82.674 | 1.004 | 14.716 |
| 10/6/2017 21:45 | 171900 | 130.313 | 20.399 | 297.013 | 12087.662 | 13252.21  | 7.723 | 9.012 | 82.729 | 1.004 | 14.719 |
| 10/6/2017 22:00 | 172800 | 130.316 | 20.392 | 297.031 | 12090.67  | 13257.538 | 7.726 | 9.015 | 82.708 | 1.004 | 14.712 |
| 10/6/2017 22:15 | 173700 | 130.323 | 20.385 | 297.046 | 12094.709 | 13263.734 | 7.73  | 9.019 | 82.681 | 1.004 | 14.711 |
| 10/6/2017 22:30 | 174600 | 130.323 | 20.406 | 297.046 | 12096.959 | 13260.609 | 7.728 | 9.017 | 82.665 | 1.004 | 14.715 |
| 10/6/2017 22:45 | 175500 | 130.324 | 20.402 | 297.05  | 12096.944 | 13261.587 | 7.729 | 9.018 | 82.666 | 1.004 | 14.715 |
| 10/6/2017 23:00 | 176400 | 130.362 | 20.4   | 297.134 | 12101.176 | 13266.709 | 7.732 | 9.021 | 82.637 | 1.004 | 14.715 |
| 10/6/2017 23:15 | 177300 | 130.348 | 20.397 | 297.103 | 12098.454 | 13264.503 | 7.731 | 9.02  | 82.654 | 1.004 | 14.712 |
| 10/6/2017 23:30 | 178200 | 130.344 | 20.393 | 297.094 | 12084.556 | 13250.398 | 7.722 | 9.01  | 82.75  | 1.004 | 14.715 |
| 10/6/2017 23:45 | 179100 | 130.361 | 20.396 | 297.134 | 12083.74  | 13248.854 | 7.721 | 9.009 | 82.756 | 1.004 | 14.707 |
| 10/7/2017 0:00  | 180000 | 130.391 | 20.397 | 297.201 | 12102.938 | 13269.635 | 7.734 | 9.023 | 82.625 | 1.004 | 14.713 |
| 10/7/2017 0:15  | 180900 | 130.372 | 20.39  | 297.157 | 12099.997 | 13268.347 | 7.733 | 9.022 | 82.645 | 1.004 | 14.706 |
| 10/7/2017 0:30  | 181800 | 130.376 | 20.389 | 297.167 | 12095.989 | 13264.098 | 7.731 | 9.02  | 82.672 | 1.004 | 14.706 |
| 10/7/2017 0:45  | 182700 | 130.376 | 20.396 | 297.160 | 12098.454 | 13265.37  | 7.734 | 9.024 | 82.652 | 1.004 | 14.705 |
| 10/7/2017 1:00  | 183600 | 130.403 | 20.403 | 297.229 | 12095.296 | 13258.134 | 7.727 | 9.016 | 82.677 | 1.004 | 14.71  |
| 10/7/2017 1:15  | 184500 | 130.42  | 20.402 | 297.268 | 12086.878 | 13250.528 | 7.722 | 9.01  | 82.734 | 1.004 | 14.701 |
| 10/7/2017 1:30  | 185400 | 130.399 | 20.385 | 297.219 | 12096.063 | 13265.243 | 7.731 | 9.02  | 82.672 | 1.004 | 14.7   |
| 10/7            |        |         |        |         |           |           |       |       |        |       |        |

|                 |        |         |       |         |           |           |       |       |        |       |        |
|-----------------|--------|---------|-------|---------|-----------|-----------|-------|-------|--------|-------|--------|
| 10/8/2017 9:45  | 301500 | 130 39  | 20395 | 297 199 | 12080.828 | 13245.973 | 7.719 | 9.007 | 82.776 | 1.004 | 14.644 |
| 10/8/2017 10:00 | 302400 | 130.396 | 20408 | 297 214 | 12096.919 | 13259.891 | 7.728 | 9.017 | 82.666 | 1.004 | 14.636 |
| 10/8/2017 10:15 | 303300 | 130.403 | 20403 | 297 228 | 12094.065 | 13258.284 | 7.727 | 9.016 | 82.685 | 1.004 | 14.637 |
| 10/8/2017 10:30 | 304200 | 130.422 | 20394 | 297 273 | 12092.898 | 13259.255 | 7.728 | 9.016 | 82.693 | 1.004 | 14.629 |
| 10/8/2017 10:45 | 305100 | 130.415 | 20408 | 297 256 | 12095.625 | 13258.426 | 7.727 | 9.016 | 82.675 | 1.004 | 14.631 |
| 10/8/2017 11:00 | 306000 | 130.444 | 20403 | 297 323 | 12094.249 | 13258.463 | 7.727 | 9.016 | 82.684 | 1.004 | 14.635 |
| 10/8/2017 11:15 | 306900 | 130.443 | 20404 | 297 321 | 12092.716 | 13256.274 | 7.726 | 9.014 | 82.694 | 1.004 | 14.627 |
| 10/8/2017 11:30 | 307800 | 130.469 | 20409 | 297 378 | 12086.546 | 13248.374 | 7.721 | 9.009 | 82.737 | 1.004 | 14.63  |
| 10/8/2017 11:45 | 308700 | 130.481 | 20392 | 297 406 | 12092.529 | 13259.624 | 7.728 | 9.017 | 82.696 | 1.004 | 14.63  |
| 10/8/2017 12:00 | 309600 | 130.463 | 20411 | 297 365 | 12096.585 | 13258.751 | 7.727 | 9.016 | 82.668 | 1.004 | 14.626 |
| 10/8/2017 12:15 | 310500 | 130.476 | 20402 | 297 396 | 12094.154 | 13258.505 | 7.727 | 9.016 | 82.685 | 1.004 | 14.625 |
| 10/8/2017 12:30 | 311400 | 130.503 | 20 41 | 297 456 | 12094.091 | 13256.21  | 7.726 | 9.014 | 82.685 | 1.004 | 14.63  |
| 10/8/2017 12:45 | 312300 | 130.479 | 20391 | 297 402 | 12092.701 | 13260.666 | 7.728 | 9.017 | 82.695 | 1.004 | 14.628 |
| 10/8/2017 13:00 | 313200 | 130.493 | 20398 | 297 435 | 12095.567 | 13261.19  | 7.729 | 9.018 | 82.675 | 1.004 | 14.629 |
| 10/8/2017 13:15 | 314100 | 130.509 | 20398 | 297 471 | 12101.565 | 13267.838 | 7.733 | 9.022 | 82.634 | 1.004 | 14.623 |
| 10/8/2017 13:30 | 315000 | 130.508 | 20399 | 297 468 | 12082.597 | 13246.774 | 7.72  | 9.008 | 82.764 | 1.004 | 14.62  |
| 10/8/2017 13:45 | 315900 | 130.55  | 20 41 | 297 563 | 12084.722 | 13245.986 | 7.719 | 9.007 | 82.749 | 1.004 | 14.613 |
| 10/8/2017 14:00 | 316800 | 130.532 | 20391 | 297 522 | 12095.687 | 13263.306 | 7.73  | 9.019 | 82.674 | 1.004 | 14.623 |
| 10/8/2017 14:15 | 317700 | 130.524 | 20392 | 297 505 | 12088.151 | 13254.738 | 7.725 | 9.013 | 82.726 | 1.004 | 14.619 |
| 10/8/2017 14:30 | 318600 | 130.57  | 20395 | 297 608 | 12090.879 | 13256.848 | 7.726 | 9.015 | 82.707 | 1.004 | 14.617 |
| 10/8/2017 14:45 | 319500 | 130.551 | 20397 | 297 567 | 12093.644 | 13259.491 | 7.728 | 9.016 | 82.688 | 1.004 | 14.613 |
| 10/8/2017 15:00 | 320400 | 130.543 | 20 41 | 297 547 | 12100.114 | 13262.979 | 7.73  | 9.019 | 82.644 | 1.004 | 14.607 |
| 10/8/2017 15:15 | 321300 | 130.571 | 20405 | 297 61  | 12093.259 | 13256.723 | 7.726 | 9.015 | 82.691 | 1.004 | 14.613 |
| 10/8/2017 15:30 | 322200 | 130.53  | 20413 | 297 518 | 12099.938 | 13261.818 | 7.729 | 9.018 | 82.645 | 1.004 | 14.613 |
| 10/8/2017 15:45 | 323100 | 130.55  | 20394 | 297 565 | 12093.24  | 13259.677 | 7.728 | 9.017 | 82.691 | 1.004 | 14.608 |
| 10/8/2017 16:00 | 324000 | 130.535 | 20404 | 297 53  | 12094.563 | 13258.322 | 7.727 | 9.016 | 82.682 | 1.004 | 14.608 |
| 10/8/2017 16:15 | 324900 | 130.539 | 20 4  | 297 538 | 12080.599 | 13244.294 | 7.718 | 9.006 | 82.777 | 1.004 | 14.611 |
| 10/8/2017 16:30 | 325800 | 130.561 | 20405 | 297 589 | 12090.984 | 13254.327 | 7.724 | 9.013 | 82.706 | 1.004 | 14.607 |
| 10/8/2017 16:45 | 326700 | 130.536 | 20401 | 297 532 | 12088.421 | 13252.557 | 7.723 | 9.012 | 82.724 | 1.004 | 14.611 |
| 10/8/2017 17:00 | 327600 | 130.52  | 20406 | 297 496 | 12090.717 | 13253.694 | 7.724 | 9.013 | 82.708 | 1.004 | 14.611 |
| 10/8/2017 17:15 | 328500 | 130.507 | 20394 | 297 467 | 12076.333 | 13241.811 | 7.716 | 9.004 | 82.807 | 1.004 | 14.61  |
| 10/8/2017 17:30 | 329400 | 130.507 | 20411 | 297 466 | 12098.438 | 13260.781 | 7.729 | 9.017 | 82.655 | 1.004 | 14.606 |
| 10/8/2017 17:45 | 330300 | 130.489 | 20399 | 297 426 | 12089.859 | 13254.57  | 7.725 | 9.013 | 82.714 | 1.004 | 14.612 |
| 10/8/2017 18:00 | 331200 | 130.5   | 20392 | 297 449 | 12085.276 | 13251.601 | 7.723 | 9.011 | 82.745 | 1.004 | 14.602 |
| 10/8/2017 18:15 | 332100 | 130.476 | 20394 | 297 395 | 12088.045 | 13253.957 | 7.724 | 9.013 | 82.726 | 1.004 | 14.609 |
| 10/8/2017 18:30 | 333000 | 130.497 | 20392 | 297 443 | 12086.065 | 13252.417 | 7.723 | 9.012 | 82.74  | 1.004 | 14.599 |
| 10/8/2017 18:45 | 333900 | 130.494 | 20406 | 297 436 | 12079.027 | 13249.476 | 7.716 | 9.004 | 82.788 | 1.004 | 14.608 |
| 10/8/2017 19:00 | 334800 | 130.442 | 20398 | 297 318 | 12084.546 | 13249.058 | 7.721 | 9.009 | 82.75  | 1.004 | 14.615 |
| 10/8/2017 19:15 | 335700 | 130.44  | 20 39 | 297 314 | 12080.013 | 13246.36  | 7.719 | 9.008 | 82.781 | 1.004 | 14.611 |
| 10/8/2017 19:30 | 336600 | 130.431 | 20397 | 297 292 | 12081.026 | 13245.465 | 7.719 | 9.007 | 82.774 | 1.004 | 14.614 |
| 10/8/2017 19:45 | 337500 | 130.422 | 20 39 | 297 273 | 12081.325 | 13247.895 | 7.72  | 9.009 | 82.772 | 1.004 | 14.616 |
| 10/8/2017 20:00 | 338400 | 130.407 | 20391 | 297 239 | 12065.095 | 13229.855 | 7.709 | 8.996 | 82.884 | 1.004 | 14.616 |
| 10/8/2017 20:15 | 339300 | 130.387 | 20387 | 297 253 | 12079.567 | 13246.787 | 7.72  | 9.008 | 82.784 | 1.004 | 14.618 |
| 10/8/2017 20:30 | 340200 | 130.404 | 20397 | 297 231 | 12079.923 | 13244.302 | 7.718 | 9.006 | 82.782 | 1.004 | 14.611 |
| 10/8/2017 20:45 | 341100 | 130.393 | 20411 | 297 205 | 12085.135 | 13246.029 | 7.719 | 9.007 | 82.746 | 1.004 | 14.606 |
| 10/8/2017 21:00 | 342000 | 130.393 | 20 39 | 297 207 | 12062.559 | 13227.244 | 7.707 | 8.995 | 82.901 | 1.004 | 14.611 |
| 10/8/2017 21:15 | 342900 | 130.387 | 20388 | 297 191 | 12073.277 | 13239.552 | 7.715 | 9.003 | 82.828 | 1.004 | 14.612 |
| 10/8/2017 21:30 | 343800 | 130.37  | 20397 | 297 153 | 12082.293 | 13246.854 | 7.716 | 9.008 | 82.766 | 1.004 | 14.614 |
| 10/8/2017 21:45 | 344700 | 130.385 | 20397 | 297 187 | 12075.989 | 13239.687 | 7.715 | 9.003 | 82.809 | 1.004 | 14.619 |
| 10/8/2017 22:00 | 345600 | 130.366 | 20402 | 297 145 | 12078.481 | 13241.49  | 7.712 | 9.004 | 82.792 | 1.004 | 14.615 |
| 10/8/2017 22:15 | 346500 | 130.394 | 20408 | 297 207 | 12078.417 | 13239.655 | 7.715 | 9.003 | 82.792 | 1.004 | 14.622 |
| 10/8/2017 22:30 | 347400 | 130.371 | 20399 | 297 156 | 12075.131 | 13238.59  | 7.715 | 9.002 | 82.815 | 1.004 | 14.621 |
| 10/8/2017 22:45 | 348300 | 130.404 | 20398 | 297 23  | 12076.813 | 13240.7   | 7.716 | 9.004 | 82.803 | 1.004 | 14.622 |
| 10/8/2017 23:00 | 349200 | 130.364 | 20394 | 297 139 | 12077.035 | 13241.909 | 7.717 | 9.004 | 82.802 | 1.004 | 14.626 |
| 10/8/2017 23:15 | 350100 | 130.383 | 20403 | 297 182 | 12079.194 | 13241.813 | 7.717 | 9.004 | 82.787 | 1.004 | 14.623 |
| 10/8/2017 23:30 | 351000 | 130.402 | 20411 | 297 226 | 12069.751 | 13229.433 | 7.709 | 8.996 | 82.852 | 1.004 | 14.624 |
| 10/8/2017 23:45 | 351900 | 130.38  | 20398 | 297 175 | 12079.495 | 13243.52  | 7.718 | 9.006 | 82.785 | 1.004 | 14.631 |
| 10/9/2017 0:00  | 352800 | 130.381 | 20395 | 297 178 | 12075.957 | 13240.58  | 7.716 | 9.004 | 82.809 | 1.004 | 14.624 |
| 10/9/2017 0:15  | 353700 | 130.397 | 20391 | 297 215 | 12073.005 | 13238.481 | 7.714 | 9.002 | 82.829 | 1.004 | 14.63  |
| 10/9/2017 0:30  | 354600 | 130.398 | 20397 | 297 217 | 12071.828 | 13235.45  | 7.713 | 9     | 82.837 | 1.004 | 14.629 |
| 10/9/2017 0:45  | 355500 | 130.403 | 20401 | 297 229 | 12083.044 | 13246.566 | 7.72  | 9.008 | 82.761 | 1.004 | 14.63  |
| 10/9/2017 1:00  | 356400 | 130.404 | 20 4  | 297 231 | 12081.465 | 13245.125 | 7.719 | 9.017 | 82.771 | 1.004 | 14.625 |
| 10/9/2017 1:15  | 357300 | 130.417 | 20384 | 297 26  | 12072.01  | 13239.201 | 7.715 | 9.003 | 82.836 | 1.004 | 14.628 |
| 10/9/2017 1:30  | 358200 | 130.43  | 20403 | 297 29  | 12072.318 | 13234.275 | 7.712 | 8.999 | 82.834 | 1.004 | 14.623 |
| 10/9/2017 1:45  | 359100 | 130.426 | 20393 | 297 28  | 12084.748 | 13250.609 | 7.722 | 9.01  | 82.749 | 1.004 | 14.628 |
| 10/9/2017 2:00  | 360000 | 130.462 | 20413 | 297 362 | 12081.732 | 13241.746 | 7.717 | 9.004 | 82.77  | 1.004 | 14.634 |
| 10/9/2017 2:15  | 360900 | 130.466 | 20413 | 297 372 | 12087.229 | 13247.94  | 7.721 | 9.009 | 82.732 | 1.004 | 14.628 |
| 10/9/2017 2:30  | 361800 | 130.475 | 20411 | 297 393 | 12082.601 | 13242.893 | 7.717 | 9.005 | 82.764 | 1.004 | 14.634 |
| 10/9/2017 2:45  | 362700 | 130.457 | 20394 | 297 351 | 12085.91  | 13251.834 | 7.723 | 9.011 | 82.741 | 1.004 | 14.633 |
| 10/9/2017 3:00  | 363600 | 130.454 | 20 4  | 297 345 | 12085.432 | 13249.593 | 7.721 | 9.01  | 82.744 | 1.004 | 14.634 |
| 10/9/2017 3:15  | 364500 | 130.461 | 20396 | 297 361 | 12087.741 | 13253.264 | 7.724 | 9.012 | 82.728 | 1.004 | 14.629 |
| 10/9/2017 3:30  | 365400 | 130.476 | 20385 | 297 394 | 12075.447 | 13242.876 | 7.717 | 9.005 | 82.813 | 1.004 | 14.628 |
| 10/9/2017 3:45  | 366300 | 130.472 | 20398 | 297 387 | 12084.406 | 13248.93  | 7.721 | 9.009 | 82.751 | 1.004 | 14.627 |
| 10/9/2017 4:00  | 367200 | 130.504 | 20404 | 297 459 | 12090.092 | 13254.189 | 7.724 | 9.013 | 82.708 | 1.004 | 14.638 |
| 10/9/2017 4:15  | 368100 | 130.478 | 20392 | 297 4   | 12086.366 | 13252.674 | 7.723 | 9.012 | 82.738 | 1.004 | 14.631 |
| 10/9/2017 4:30  | 369000 | 130.483 | 20407 | 297 411 | 12080.006 | 13241.595 | 7.716 | 9.004 | 82.781 | 1.004 | 14.634 |
| 10/9/2017 4:45  | 369900 | 130.495 | 20387 | 297 438 | 12084.763 | 13252.318 | 7.723 | 9.012 | 82.749 | 1.004 | 14.632 |
| 10/9/2017 5:00  | 370800 | 130.493 | 20392 | 297 433 | 12088.019 | 13254.607 | 7.725 | 9.013 | 82.727 | 1.004 | 14.633 |
| 10/9/2017 5:15  | 371700 | 130.494 | 20394 | 297 437 | 12075.948 | 13240.67  | 7.716 | 9.004 | 82.809 | 1.004 | 14.635 |
| 10/9/2017 5:30  | 372600 | 130.528 | 20411 | 297 514 | 12080.538 | 13255.772 | 7.725 | 9.014 | 82.709 | 1.004 | 14.639 |
| 10/9/2017 5:45  | 373500 | 130.519 | 20404 | 297 494 | 12091.817 | 13255.632 | 7.721 | 9.014 | 82.701 | 1.004 | 14.642 |
| 10/9/2017 6:00  | 374400 | 130.526 | 20408 | 297 509 | 12086.06  | 13248.01  | 7.721 | 9.009 | 82.74  | 1.004 | 14.642 |
| 10/9/2017 6:15  | 375300 | 130.482 | 20416 | 297 409 | 12094.014 | 13254.552 | 7.725 | 9.013 | 82.686 | 1.004 | 14.646 |
| 10/9/2017 6:30  | 376200 | 130.52  | 20406 | 297 495 | 12094.201 | 13        |       |       |        |       |        |

|                  |        |         |        |         |           |           |       |       |        |       |        |
|------------------|--------|---------|--------|---------|-----------|-----------|-------|-------|--------|-------|--------|
| 10/10/2017 14:30 | 491400 | 130.702 | 20.393 | 297.91  | 12053.024 | 13215.946 | 7.7   | 8.987 | 82.967 | 1.004 | 14.685 |
| 10/10/2017 14:45 | 492300 | 130.73  | 20.401 | 297.974 | 12045.558 | 13205.662 | 7.694 | 8.98  | 83.018 | 1.004 | 14.686 |
| 10/10/2017 15:00 | 493200 | 130.709 | 20.406 | 297.927 | 12051.287 | 13210.376 | 7.697 | 8.983 | 82.979 | 1.004 | 14.687 |
| 10/10/2017 15:15 | 494100 | 130.746 | 20.404 | 298.01  | 12051.784 | 13211.427 | 7.697 | 8.984 | 82.975 | 1.004 | 14.682 |
| 10/10/2017 15:30 | 495000 | 130.731 | 20.397 | 297.977 | 12043.551 | 13204.354 | 7.693 | 8.979 | 83.032 | 1.004 | 14.685 |
| 10/10/2017 15:45 | 495900 | 130.751 | 20.405 | 298.023 | 12051.011 | 13210.53  | 7.697 | 8.983 | 82.981 | 1.004 | 14.691 |
| 10/10/2017 16:00 | 496800 | 130.762 | 20.397 | 298.047 | 12052.122 | 13213.944 | 7.699 | 8.985 | 82.973 | 1.004 | 14.683 |
| 10/10/2017 16:15 | 497700 | 130.73  | 20.393 | 297.974 | 12051.892 | 13214.629 | 7.699 | 8.986 | 82.975 | 1.004 | 14.687 |
| 10/10/2017 16:30 | 498600 | 130.731 | 20.397 | 297.977 | 12045.386 | 13206.484 | 7.694 | 8.98  | 83.019 | 1.004 | 14.69  |
| 10/10/2017 16:45 | 499500 | 130.738 | 20.397 | 297.991 | 12039.979 | 13200.654 | 7.691 | 8.976 | 83.057 | 1.004 | 14.69  |
| 10/10/2017 17:00 | 500400 | 130.717 | 20.402 | 297.944 | 12049.555 | 13209.755 | 7.696 | 8.983 | 82.991 | 1.004 | 14.69  |
| 10/10/2017 17:15 | 501300 | 130.728 | 20.393 | 297.97  | 12040.447 | 13202.129 | 7.692 | 8.977 | 83.053 | 1.004 | 14.689 |
| 10/10/2017 17:30 | 502200 | 130.728 | 20.39  | 297.968 | 12045.107 | 13207.962 | 7.695 | 8.981 | 83.021 | 1.004 | 14.683 |
| 10/10/2017 17:45 | 503100 | 130.723 | 20.396 | 297.958 | 12047.575 | 13209.248 | 7.696 | 8.982 | 83.004 | 1.004 | 14.685 |
| 10/10/2017 18:00 | 504000 | 130.714 | 20.402 | 297.938 | 12045.578 | 13205.37  | 7.694 | 8.98  | 83.018 | 1.004 | 14.689 |
| 10/10/2017 18:15 | 504900 | 130.704 | 20.398 | 297.914 | 12042.584 | 13203.126 | 7.692 | 8.978 | 83.039 | 1.004 | 14.687 |
| 10/10/2017 18:30 | 505800 | 130.71  | 20.395 | 297.929 | 12043.359 | 13204.915 | 7.693 | 8.979 | 83.033 | 1.004 | 14.689 |
| 10/10/2017 18:45 | 506700 | 130.708 | 20.39  | 297.923 | 12042.997 | 13205.794 | 7.694 | 8.98  | 83.036 | 1.004 | 14.687 |
| 10/10/2017 19:00 | 507600 | 130.735 | 20.395 | 297.985 | 12042.699 | 13204.142 | 7.693 | 8.979 | 83.038 | 1.004 | 14.688 |
| 10/10/2017 19:15 | 508500 | 130.711 | 20.394 | 297.931 | 12039.781 | 13201.135 | 7.691 | 8.977 | 83.058 | 1.004 | 14.693 |
| 10/10/2017 19:30 | 509400 | 130.706 | 20.395 | 297.919 | 12030.671 | 13191.003 | 7.685 | 8.97  | 83.121 | 1.004 | 14.692 |
| 10/10/2017 19:45 | 510300 | 130.668 | 20.389 | 297.833 | 12037.836 | 13200.329 | 7.69  | 8.976 | 83.071 | 1.004 | 14.696 |
| 10/10/2017 20:00 | 511200 | 130.671 | 20.392 | 297.84  | 12036.231 | 13197.893 | 7.689 | 8.975 | 83.082 | 1.004 | 14.691 |
| 10/10/2017 20:15 | 512100 | 130.652 | 20.387 | 297.796 | 12037.347 | 13200.345 | 7.69  | 8.976 | 83.075 | 1.004 | 14.689 |
| 10/10/2017 20:30 | 513000 | 130.624 | 20.394 | 297.731 | 12020.96  | 13180.401 | 7.678 | 8.963 | 83.188 | 1.004 | 14.701 |
| 10/10/2017 20:45 | 513900 | 130.63  | 20.396 | 297.747 | 12029.855 | 13189.773 | 7.684 | 8.969 | 83.127 | 1.004 | 14.693 |
| 10/10/2017 21:00 | 514800 | 130.645 | 20.408 | 297.78  | 12039.313 | 13196.844 | 7.688 | 8.974 | 83.061 | 1.004 | 14.691 |
| 10/10/2017 21:15 | 515700 | 130.605 | 20.4   | 297.689 | 12029.323 | 13187.962 | 7.683 | 8.968 | 83.13  | 1.004 | 14.694 |
| 10/10/2017 21:30 | 516600 | 130.589 | 20.399 | 297.653 | 12033.645 | 13193.011 | 7.686 | 8.971 | 83.1   | 1.004 | 14.696 |
| 10/10/2017 21:45 | 517500 | 130.582 | 20.408 | 297.638 | 12019.569 | 13175.226 | 7.675 | 8.959 | 83.198 | 1.004 | 14.695 |
| 10/10/2017 22:00 | 518400 | 130.612 | 20.393 | 297.706 | 12023.616 | 13183.579 | 7.68  | 8.965 | 83.17  | 1.004 | 14.696 |
| 10/10/2017 22:15 | 519300 | 130.591 | 20.409 | 297.657 | 12031.567 | 13187.868 | 7.683 | 8.968 | 83.115 | 1.004 | 14.696 |
| 10/10/2017 22:30 | 520200 | 130.546 | 20.394 | 297.555 | 12030.35  | 13190.891 | 7.685 | 8.97  | 83.123 | 1.004 | 14.699 |
| 10/10/2017 22:45 | 521100 | 130.539 | 20.395 | 297.538 | 12026.905 | 13186.825 | 7.682 | 8.967 | 83.147 | 1.004 | 14.701 |
| 10/10/2017 23:00 | 522000 | 130.536 | 20.387 | 297.532 | 12025.814 | 13187.818 | 7.683 | 8.968 | 83.154 | 1.004 | 14.703 |
| 10/10/2017 23:15 | 522900 | 130.522 | 20.402 | 297.501 | 12022.799 | 13180.204 | 7.678 | 8.963 | 83.175 | 1.004 | 14.706 |
| 10/10/2017 23:30 | 523800 | 130.522 | 20.408 | 297.5   | 12027.783 | 13184.131 | 7.68  | 8.965 | 83.141 | 1.004 | 14.701 |
| 10/10/2017 23:45 | 524700 | 130.506 | 20.402 | 297.463 | 12013.858 | 13170.549 | 7.672 | 8.956 | 83.237 | 1.004 | 14.702 |
| 10/11/2017 0:00  | 525600 | 130.542 | 20.407 | 297.544 | 12025.58  | 13181.936 | 7.679 | 8.964 | 83.156 | 1.004 | 14.703 |
| 10/11/2017 0:15  | 526500 | 130.5   | 20.4   | 297.451 | 12018.035 | 13175.704 | 7.675 | 8.959 | 83.208 | 1.004 | 14.704 |
| 10/11/2017 0:30  | 527400 | 130.503 | 20.403 | 297.457 | 12025.537 | 13183.063 | 7.68  | 8.964 | 83.156 | 1.004 | 14.705 |
| 10/11/2017 0:45  | 528300 | 130.492 | 20.409 | 297.432 | 12019.313 | 13174.702 | 7.674 | 8.959 | 83.199 | 1.004 | 14.702 |
| 10/11/2017 1:00  | 529200 | 130.528 | 20.411 | 297.514 | 12023.483 | 13178.673 | 7.677 | 8.961 | 83.171 | 1.004 | 14.701 |
| 10/11/2017 1:15  | 530100 | 130.507 | 20.399 | 297.465 | 12022.927 | 13181.403 | 7.679 | 8.963 | 83.174 | 1.004 | 14.703 |
| 10/11/2017 1:30  | 531000 | 130.502 | 20.401 | 297.454 | 12026.062 | 13184.12  | 7.68  | 8.965 | 83.153 | 1.004 | 14.706 |
| 10/11/2017 1:45  | 531900 | 130.508 | 20.378 | 297.469 | 12008.404 | 13171.104 | 7.672 | 8.956 | 83.275 | 1.004 | 14.699 |
| 10/11/2017 2:00  | 532800 | 130.49  | 20.392 | 297.428 | 12020.254 | 13180.204 | 7.678 | 8.963 | 83.193 | 1.004 | 14.702 |
| 10/11/2017 2:15  | 533700 | 130.511 | 20.398 | 297.474 | 12018.885 | 13177.046 | 7.676 | 8.96  | 83.202 | 1.004 | 14.697 |
| 10/11/2017 2:30  | 534600 | 130.498 | 20.404 | 297.465 | 12016.496 | 13172.889 | 7.673 | 8.958 | 83.219 | 1.004 | 14.701 |
| 10/11/2017 2:45  | 535500 | 130.512 | 20.392 | 297.478 | 12021.964 | 13182.296 | 7.679 | 8.964 | 83.181 | 1.004 | 14.701 |
| 10/11/2017 3:00  | 536400 | 130.511 | 20.403 | 297.475 | 12024.896 | 13182.313 | 7.679 | 8.964 | 83.161 | 1.004 | 14.69  |
| 10/11/2017 3:15  | 537300 | 130.531 | 20.413 | 297.52  | 12016.231 | 13170.025 | 7.671 | 8.956 | 83.221 | 1.004 | 14.689 |
| 10/11/2017 3:30  | 538200 | 130.564 | 20.393 | 297.597 | 12026.03  | 13186.272 | 7.682 | 8.967 | 83.153 | 1.004 | 14.695 |
| 10/11/2017 3:45  | 539100 | 130.545 | 20.405 | 297.552 | 12025.173 | 13182.114 | 7.679 | 8.964 | 83.159 | 1.004 | 14.684 |
| 10/11/2017 4:00  | 540000 | 130.562 | 20.393 | 297.591 | 12016.082 | 13175.463 | 7.675 | 8.959 | 83.222 | 1.004 | 14.69  |
| 10/11/2017 4:15  | 540900 | 130.549 | 20.39  | 297.561 | 12022.051 | 13182.945 | 7.679 | 8.964 | 83.18  | 1.004 | 14.688 |
| 10/11/2017 4:30  | 541800 | 130.544 | 20.401 | 297.55  | 12021.194 | 13178.761 | 7.677 | 8.962 | 83.186 | 1.004 | 14.692 |
| 10/11/2017 4:45  | 542700 | 130.549 | 20.4   | 297.561 | 12024.553 | 13182.657 | 7.679 | 8.964 | 83.163 | 1.004 | 14.687 |
| 10/11/2017 5:00  | 543600 | 130.592 | 20.409 | 297.659 | 12031.078 | 13187.332 | 7.682 | 8.967 | 83.118 | 1.004 | 14.686 |
| 10/11/2017 5:15  | 544500 | 130.575 | 20.393 | 297.622 | 12021.387 | 13181.229 | 7.678 | 8.963 | 83.185 | 1.004 | 14.687 |
| 10/11/2017 5:30  | 545400 | 130.575 | 20.398 | 297.621 | 12030.329 | 13189.593 | 7.684 | 8.969 | 83.123 | 1.004 | 14.687 |
| 10/11/2017 5:45  | 546300 | 130.586 | 20.405 | 297.645 | 12032.661 | 13195.447 | 7.687 | 8.973 | 83.107 | 1.004 | 14.691 |
| 10/11/2017 6:00  | 547200 | 130.581 | 20.406 | 297.634 | 12032.679 | 13189.954 | 7.684 | 8.969 | 83.107 | 1.004 | 14.694 |
| 10/11/2017 6:15  | 548100 | 130.585 | 20.399 | 297.644 | 12035.162 | 13194.795 | 7.687 | 8.972 | 83.09  | 1.004 | 14.692 |
| 10/11/2017 6:30  | 549000 | 130.59  | 20.392 | 297.655 | 12022.948 | 13183.232 | 7.68  | 8.965 | 83.174 | 1.004 | 14.695 |
| 10/11/2017 6:45  | 549900 | 130.589 | 20.405 | 297.654 | 12020.254 | 13176.722 | 7.676 | 8.96  | 83.193 | 1.004 | 14.695 |
| 10/11/2017 7:00  | 550800 | 130.604 | 20.39  | 297.687 | 12022.905 | 13183.811 | 7.68  | 8.965 | 83.175 | 1.004 | 14.695 |
| 10/11/2017 7:15  | 551700 | 130.595 | 20.394 | 297.664 | 12035.506 | 13196.864 | 7.688 | 8.974 | 83.087 | 1.004 | 14.687 |
| 10/11/2017 7:30  | 552600 | 130.601 | 20.405 | 297.68  | 12034.628 | 13192.571 | 7.686 | 8.971 | 83.094 | 1.004 | 14.702 |
| 10/11/2017 7:45  | 553500 | 130.598 | 20.398 | 297.672 | 12029.752 | 13188.914 | 7.683 | 8.968 | 83.127 | 1.004 | 14.701 |
| 10/11/2017 8:00  | 554400 | 130.611 | 20.399 | 297.702 | 12029.195 | 13188.11  | 7.683 | 8.968 | 83.131 | 1.004 | 14.702 |
| 10/11/2017 8:15  | 555300 | 130.629 | 20.4   | 297.743 | 12026.59  | 13185.083 | 7.681 | 8.966 | 83.149 | 1.004 | 14.711 |
| 10/11/2017 8:30  | 556200 | 130.59  | 20.409 | 297.655 | 12037.664 | 13194.649 | 7.687 | 8.972 | 83.073 | 1.004 | 14.715 |
| 10/11/2017 8:45  | 557100 | 130.625 | 20.401 | 297.656 | 12028.147 | 13186.556 | 7.682 | 8.967 | 83.138 | 1.004 | 14.717 |
| 10/11/2017 9:00  | 558000 | 130.633 | 20.404 | 297.754 | 12040.381 | 13198.926 | 7.69  | 8.975 | 83.054 | 1.004 | 14.714 |
| 10/11/2017 9:15  | 558900 | 130.631 | 20.403 | 297.748 | 12035.229 | 13193.59  | 7.686 | 8.972 | 83.089 | 1.004 | 14.718 |
| 10/11/2017 9:30  | 559800 | 130.622 | 20.405 | 297.727 | 12038.605 | 13196.932 | 7.688 | 8.974 | 83.066 | 1.004 | 14.727 |
| 10/11/2017 9:45  | 560700 | 130.603 | 20.395 | 297.684 | 12039.226 | 13200.165 | 7.69  | 8.976 | 83.062 | 1.004 | 14.727 |
| 10/11/2017 10:00 | 561600 | 130.597 | 20.396 | 297.67  | 12027.674 | 13187.259 | 7.682 | 8.967 | 83.142 | 1.004 | 14.728 |
| 10/11/2017 10:15 | 562500 | 130.607 | 20.389 | 297.694 | 12030.752 | 13200.494 | 7.69  | 8.976 | 83.072 | 1.004 | 14.723 |
| 10/11/2017 10:30 | 563400 | 130.607 | 20.391 | 297.693 | 12034.199 | 13195.906 | 7.688 | 8.973 | 83.097 | 1.004 | 14.72  |
| 10/11/2017 10:45 | 564300 | 130.625 | 20.403 | 297.734 | 12045.364 | 13204.727 | 7.693 | 8.979 | 83.019 | 1.004 | 14.725 |
| 10/11/2017 11:00 | 565200 | 130.594 | 20.397 | 297.663 | 12044.428 | 13205.    |       |       |        |       |        |

Report Date: 10/13/2017 8:36  
Report User Name: WMassoll  
Report Computer Name: WKST52  
Application: WinSitu.exe  
Application Version: 5.6.27.1

Log File Properties  
File Name: MPWSP MW-8M\_2017-10-12\_14-04-51-789.wsl  
Create Date: 10/12/2017 14:04

Device Properties  
Device: Aqua TROLL 200  
Site: MPWSP MW-8  
Device Name:  
Serial Number: 410756  
Firmware Version: 2  
Hardware Version: 3  
Device Address: 1  
Device Comm Cfg: 19200 8 Even 1 (Modbus-RTU)  
Used Memory: 0  
Used Battery: 11

Log Configuration  
Log Name: MPWSP MW-8M  
Created By: SKuiper  
Computer Name: PROBOOK8  
Application: WinSitu.exe  
Application Version: 5.6.25.0  
Create Date: 10/27/2016 4:37:16 PM Pacific Daylight Time  
Log Setup Time Zone: Pacific Daylight Time  
Notes Size(bytes): 4096  
Overwrite when full: Enabled  
Scheduled Start Time: 10/27/2016 5:00:00 PM Pacific Daylight Time  
Scheduled Stop Time: No Stop Time  
Type: Linear  
Interval: Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation  
Level Measurement Mode: Depth  
Specific Gravity: 1.024

Other Log Settings  
Depth of Probe: 0.465086 (ft)  
Head Pressure: 0.206467 (PSI)  
Temperature: 17.6017 (C)  
Specific Conductivity Model: Standard Methods  
Reference Temperature: 25  
Temperature Coefficient: 0.0191  
TDS Factor: 0.68

Log Notes:  
Date and Time Note  
10/27/2016 16:37 Sensor SN: 410756 Factory calibration has expired.: 6/10/2016 6:27:04 PM  
10/27/2016 16:37 Used Battery: 11% Used Memory: 3% User Name: SKuiper  
10/27/2016 17:45 Log Download - Used Battery: 11% Used Memory: 3% User Name: SKuiper Interval - Start Time: 10/27/2016 5:00:00 PM Stop Time: 10/27/2016 6:30:00 PM  
11/3/2016 15:41 Log Download - Used Battery: 12% Used Memory: 3% User Name: SKuiper Interval - Start Time: 9/30/2016 5:00:00 PM Stop Time: 11/3/2016 4:30:00 PM  
11/11/2016 8:26 Log Download - Used Battery: 12% Used Memory: 4% User Name: SKuiper Interval - Start Time: 11/2/2016 10:00:00 PM Stop Time: 11/11/2016 8:15:00 AM  
11/17/2016 15:03 Log Download - Used Battery: 13% Used Memory: 4% User Name: SKuiper Interval - Start Time: 11/9/2016 10:00:00 PM Stop Time: 11/17/2016 3:00:00 PM  
11/24/2016 12:31 Log Download - Used Battery: 13% Used Memory: 6% User Name: SKuiper Interval - Start Time: 11/15/2016 10:00:00 PM Stop Time: 11/24/2016 1:15:00 PM  
12/2/2016 7:59 Log Download - Used Battery: 13% Used Memory: 6% User Name: SKuiper Interval - Start Time: 10/31/2016 10:00:00 PM Stop Time: 12/2/2016 7:45:00 AM  
12/9/2016 9:30 Log Download - Used Battery: 14% Used Memory: 7% User Name: SKuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 12/9/2016 9:30:00 AM  
12/15/2016 15:22 Log Download - Used Battery: 14% Used Memory: 7% User Name: SKuiper Interval - Start Time: 12/7/2016 10:00:00 PM Stop Time: 12/15/2016 3:15:00 PM  
12/22/2016 12:06 Log Download - Used Battery: 14% Used Memory: 9% User Name: ANorris Interval - Start Time: 12/14/2016 10:00:00 PM Stop Time: 12/22/2016 1:00:00 PM  
1/5/2017 10:16 Log Download - Used Battery: 15% Used Memory: 10% User Name: SKuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 1/5/2017 11:00:00 AM  
1/12/2017 16:09 Log Download - Used Battery: 15% Used Memory: 10% User Name: SKuiper Interval - Start Time: 1/4/2017 10:00:00 PM Stop Time: 1/12/2017 4:00:00 PM  
1/19/2017 12:44 Log Download - Used Battery: 16% Used Memory: 12% User Name: EHernandez Interval - Start Time: 1/11/2017 10:00:00 PM Stop Time: 1/19/2017 1:30:00 PM  
1/26/2017 9:53 Log Download - Used Battery: 16% Used Memory: 12% User Name: SKuiper Interval - Start Time: 1/18/2017 10:00:00 PM Stop Time: 1/26/2017 11:30:00 AM  
2/2/2017 15:44 Log Download - Used Battery: 16% Used Memory: 14% User Name: WMassoll Interval - Start Time: 12/31/2016 10:00:00 PM Stop Time: 2/2/2017 4:30:00 PM  
2/9/2017 11:58 Log Download - Used Battery: 17% Used Memory: 14% User Name: EHernandez Interval - Start Time: 2/1/2017 12:00:00 AM Stop Time: 2/9/2017 11:45:00 AM  
2/16/2017 11:58 Log Download - Used Battery: 17% Used Memory: 15% User Name: WMassoll Interval - Start Time: 2/8/2017 10:00:00 PM Stop Time: 2/16/2017 12:45:00 PM  
2/23/2017 14:07 Log Download - Used Battery: 18% Used Memory: 15% User Name: EHernandez Interval - Start Time: 2/15/2017 12:00:00 AM Stop Time: 2/23/2017 3:00:00 PM  
3/2/2017 16:01 Log Download - Used Battery: 18% Used Memory: 17% User Name: SKuiper Interval - Start Time: 12/31/2016 10:00:00 PM Stop Time: 3/2/2017 4:00:00 PM  
3/9/2017 12:15 Log Download - Used Battery: 18% Used Memory: 17% User Name: WMassoll Interval - Start Time: 3/1/2017 11:30:00 PM Stop Time: 3/9/2017 1:15:00 PM  
3/16/2017 16:08 Log Download - Used Battery: 19% Used Memory: 18% User Name: WMassoll Interval - Start Time: 3/8/2017 10:00:00 PM Stop Time: 3/16/2017 5:00:00 PM  
3/23/2017 14:19 Log Download - Used Battery: 19% Used Memory: 18% User Name: AVanHaitsma Interval - Start Time: 3/15/2017 10:00:00 PM Stop Time: 3/23/2017 3:15:00 PM  
3/30/2017 12:30 Log Download - Used Battery: 19% Used Memory: 20% User Name: AVanHaitsma Interval - Start Time: 3/22/2017 10:00:00 PM Stop Time: 3/30/2017 1:15:00 PM  
4/6/2017 13:04 Log Download - Used Battery: 20% Used Memory: 21% User Name: WMassoll Interval - Start Time: 2/28/2017 12:00:00 PM Stop Time: 4/6/2017 1:00:00 PM  
4/13/2017 11:12 Log Download - Used Battery: 20% Used Memory: 21% User Name: WMassoll Interval - Start Time: 4/5/2017 12:00:00 PM Stop Time: 4/13/2017 12:00:00 PM  
4/20/2017 11:34 Log Download - Used Battery: 20% Used Memory: 21% User Name: AVanHaitsma Interval - Start Time: 4/12/2017 10:00:00 PM Stop Time: 4/20/2017 12:30:00 PM  
4/27/2017 12:03 Log Download - Used Battery: 21% Used Memory: 23% User Name: WMassoll Interval - Start Time: 4/19/2017 10:00:00 PM Stop Time: 4/27/2017 1:00:00 PM  
5/4/2017 11:59 Log Download - Used Battery: 21% Used Memory: 25% User Name: AVanHaitsma Interval - Start Time: 3/31/2017 10:00:00 PM Stop Time: 5/4/2017 12:45:00 PM  
5/11/2017 11:05 Log Download - Used Battery: 21% Used Memory: 25% User Name: AVanHaitsma Interval - Start Time: 5/3/2017 10:00:00 PM Stop Time: 5/11/2017 12:00:00 PM  
5/18/2017 17:48 Log Download - Used Battery: 22% Used Memory: 26% User Name: WMassoll Interval - Start Time: 5/10/2017 10:00:00 PM Stop Time: 5/18/2017 6:45:00 PM  
5/25/2017 10:46 Log Download - Used Battery: 22% Used Memory: 26% User Name: AVanHaitsma Interval - Start Time: 5/17/2017 10:00:00 PM Stop Time: 5/25/2017 10:45:00 AM  
6/1/2017 17:11 Log Download - Used Battery: 23% Used Memory: 28% User Name: WMassoll Interval - Start Time: 4/30/2017 10:00:00 PM Stop Time: 6/1/2017 6:00:00 PM  
6/8/2017 17:54 Log Download - Used Battery: 23% Used Memory: 28% User Name: WMassoll Interval - Start Time: 5/31/2017 10:00:00 PM Stop Time: 6/8/2017 12:45:00 PM  
6/15/2017 14:45 Log Download - Used Battery: 23% Used Memory: 29% User Name: AVanHaitsma Interval - Start Time: 6/7/2017 10:00:00 PM Stop Time: 6/15/2017 3:45:00 PM  
6/22/2017 8:11 Log Download - Used Battery: 24% Used Memory: 29% User Name: AVanHaitsma Interval - Start Time: 6/14/2017 10:00:00 PM Stop Time: 6/22/2017 9:00:00 AM  
6/29/2017 15:11 Log Download - Used Battery: 24% Used Memory: 31% User Name: WMassoll Interval - Start Time: 6/21/2017 10:00:00 PM Stop Time: 6/29/2017 4:00:00 PM  
7/6/2017 7:45 Log Download - Used Battery: 24% Used Memory: 31% User Name: AVanHaitsma Interval - Start Time: 5/31/2017 10:00:00 PM Stop Time: 7/6/2017 8:45:00 AM  
7/13/2017 13:33 Log Download - Used Battery: 25% Used Memory: 32% User Name: WMassoll Interval - Start Time: 7/5/2017 10:00:00 PM Stop Time: 7/13/2017 2:30:00 PM  
7/20/2017 11:15 Log Download - Used Battery: 25% Used Memory: 32% User Name: WMassoll Interval - Start Time: 7/12/2017 10:00:00 PM Stop Time: 7/20/2017 11:15:00 AM  
7/27/2017 10:29 Log Download - Used Battery: 26% Used Memory: 34% User Name: AVanHaitsma Interval - Start Time: 7/19/2017 10:00:00 PM Stop Time: 7/27/2017 11:15:00 AM  
8/3/2017 11:03 Log Download - Used Battery: 26% Used Memory: 34% User Name: AVanHaitsma Interval - Start Time: 6/30/2017 10:00:00 PM Stop Time: 8/3/2017 12:00:00 PM  
8/10/2017 11:18 Log Download - Used Battery: 26% Used Memory: 35% User Name: WMassoll Interval - Start Time: 8/2/2017 10:00:00 PM Stop Time: 8/10/2017 11:15:00 AM  
8/17/2017 12:17 Log Download - Used Battery: 27% Used Memory: 35% User Name: AVanHaitsma Interval - Start Time: 8/9/2017 10:00:00 PM Stop Time: 8/17/2017 1:15:00 PM  
8/24/2017 9:10 Log Download - Used Battery: 27% Used Memory: 37% User Name: AVanHaitsma Interval - Start Time: 8/16/2017 10:00:00 PM Stop Time: 8/24/2017 10:00:00 AM  
9/1/2017 12:30 Log Download - Used Battery: 27% Used Memory: 39% User Name: WMassoll Interval - Start Time: 7/31/2017 10:00:00 PM Stop Time: 9/1/2017 12:30:00 PM  
9/7/2017 12:58 Log Download - Used Battery: 28% Used Memory: 39% User Name: WMassoll Interval - Start Time: 8/31/2017 10:00:00 PM Stop Time: 9/7/2017 1:45:00 PM  
9/14/2017 13:40 Log Download - Used Battery: 28% Used Memory: 40% User Name: AVanHaitsma Interval - Start Time: 9/6/2017 10:00:00 PM Stop Time: 9/14/2017 2:30:00 PM  
9/21/2017 12:55 Log Download - Used Battery: 28% Used Memory: 40% User Name: AVanHaitsma Interval - Start Time: 9/13/2017 10:00:00 PM Stop Time: 9/21/2017 1:45:00 PM  
9/28/2017 11:59 Log Download - Used Battery: 29% Used Memory: 42% User Name: WMassoll Interval - Start Time: 9/20/2017 10:00:00 PM Stop Time: 9/28/2017 12:45:00 PM  
10/5/2017 13:32 Log Download - Used Battery: 29% Used Memory: 42% User Name: WMassoll Interval - Start Time: 8/31/2017 10:00:00 PM Stop Time: 10/5/2017 2:30:00 PM  
10/12/2017 14:05 Log Download - Used Battery: 29% Used Memory: 43% User Name: AVanHaitsma Interval - Start Time: 10/4/2017 10:00:00 PM Stop Time: 10/12/2017 3:00:00 PM  
10/12/2017 14:06 Log Download - Used Battery: 29% Used Memory: 43% User Name: AVanHaitsma Interval - Start Time: 10/4/2017 10:00:00 PM Stop Time: 10/12/2017 3:00:00 PM

Log Data:  
Record Count: 737

Sensors: 1  
1 410756 PCTD 100 PSIG (70m/231ft)

Time Zone: Pacific Daylight Time

| Date and Time   | Elapsed Time<br>Seconds | Sensor: PCTD(G) 231ft         | Sensor: PCTD(G) 231ft          | Sensor: PCTD(G) 231ft     | Sensor: PCTD(G) 231ft                      | Sensor: PCTD(G) 231ft                        | Sensor: PCTD(G) 231ft         | Sensor: PCTD(G) 231ft                       | Sensor: PCTD(G) 231ft               | Sensor: PCTD(G) 231ft                |
|-----------------|-------------------------|-------------------------------|--------------------------------|---------------------------|--------------------------------------------|----------------------------------------------|-------------------------------|---------------------------------------------|-------------------------------------|--------------------------------------|
|                 |                         | SN#: 410756<br>Pressure (PSI) | SN#: 410756<br>Temperature (C) | SN#: 410756<br>Depth (ft) | SN#: 410756<br>Actual Conductivity (µS/cm) | SN#: 410756<br>Specific Conductivity (µS/cm) | SN#: 410756<br>Salinity (PSU) | SN#: 410756<br>Total Dissolved Solids (ppt) | SN#: 410756<br>Resistivity (ohm-cm) | SN#: 410756<br>Water Density (g/cm3) |
| 10/5/2017 0:00  | 7200                    | 70.384                        | 17.323                         | 158.547                   | 40882.469                                  | 47907.57                                     | 31.398                        | 32.577                                      | 24.46                               | 1.023                                |
| 10/5/2017 0:15  | 8100                    | 70.381                        | 17.329                         | 158.54                    | 40909.793                                  | 47932.656                                    | 31.417                        | 32.594                                      | 24.444                              | 1.023                                |
| 10/5/2017 0:30  | 9000                    | 70.37                         | 17.325                         | 158.514                   | 40927.375                                  | 47957.652                                    | 31.435                        | 32.611                                      | 24.434                              | 1.023                                |
| 10/5/2017 0:45  | 9900                    | 70.366                        | 17.319                         | 158.506                   | 40867.438                                  | 47893.414                                    | 31.387                        | 32.568                                      | 24.469                              | 1.023                                |
| 10/5/2017 1:00  | 10800                   | 70.369                        | 17.324                         | 158.514                   | 40880.465                                  | 47903.625                                    | 31.395                        | 32.574                                      | 24.462                              | 1.023                                |
| 10/5/2017 1:15  | 11700                   | 70.388                        | 17.324                         | 158.557                   | 40894.617                                  | 47920.395                                    | 31.407                        | 32.586                                      | 24.453                              | 1.023                                |
| 10/5/2017 1:30  | 12600                   | 70.381                        | 17.324                         | 158.54                    | 40895.277                                  | 47921.078                                    | 31.408                        | 32.586                                      | 24.453                              | 1.023                                |
| 10/5/2017 1:45  | 13500                   | 70.364                        | 17.327                         | 158.502                   | 40899.898                                  | 47922.848                                    | 31.409                        | 32.588                                      | 24.45                               | 1.023                                |
| 10/5/2017 2:00  | 14400                   | 70.362                        | 17.321                         | 158.496                   | 40885.375                                  | 47912.184                                    | 31.401                        | 32.58                                       | 24.459                              | 1.023                                |
| 10/5/2017 2:15  | 15300                   | 70.37                         | 17.328                         | 158.516                   | 40917.277                                  | 47942.645                                    | 31.424                        | 32.601                                      | 24.44                               | 1.023                                |
| 10/5/2017 2:30  | 16200                   | 70.361                        | 17.333                         | 158.494                   | 40925.508                                  | 47947.316                                    | 31.428                        | 32.604                                      | 24.435                              | 1.023                                |
| 10/5/2017 2:45  | 17100                   | 70.366                        | 17.329                         | 158.506                   | 40892.746                                  | 47913.055                                    | 31.402                        | 32.581                                      | 24.454                              | 1.023                                |
| 10/5/2017 3:00  | 18000                   | 70.353                        | 17.324                         | 158.476                   | 40904.488                                  | 47932.34                                     | 31.416                        | 32.594                                      | 24.447                              | 1.023                                |
| 10/5/2017 3:15  | 18900                   | 70.345                        | 17.332                         | 158.459                   | 40912.375                                  | 47932.668                                    | 31.417                        | 32.594                                      | 24.442                              | 1.023                                |
| 10/5/2017 3:30  | 19800                   | 70.35                         | 17.318                         | 158.47                    | 40898.469                                  | 47930.723                                    | 31.415                        | 32.593                                      | 24.451                              | 1.023                                |
| 10/5/2017 3:45  | 20700                   | 70.314                        | 17.326                         | 158.39                    | 40918.547                                  | 47945.719                                    | 31.426                        | 32.603                                      | 24.439                              | 1.023                                |
| 10/5/2017 4:00  | 21600                   | 70.328                        | 17.323                         | 158.421                   | 40879.672                                  | 47904.293                                    | 31.396                        | 32.575                                      | 24.462                              | 1.023                                |
| 10/5/2017 4:15  | 22500                   | 70.321                        | 17.332                         | 158.404                   | 40893.684                                  | 47910.496                                    | 31.401                        | 32.579                                      | 24.454                              | 1.023                                |
| 10/5/2017 4:30  | 23400                   | 70.313                        | 17.327                         | 158.387                   | 40889.227                                  | 47910.34                                     | 31.4                          | 32.579                                      | 24.456                              | 1.023                                |
| 10/5/2017 4:45  | 24300                   | 70.305                        | 17.323                         | 158.369                   | 40925.273                                  | 47956.887                                    | 31.434                        | 32.611                                      | 24.435                              | 1.023                                |
| 10/5/2017 5:00  | 25200                   | 70.304                        | 17.321                         | 158.366                   | 40863.719                                  | 47886.906                                    | 31.383                        | 32.563                                      | 24.472                              | 1.023                                |
| 10/5/2017 5:15  | 26100                   | 70.292                        | 17.324                         | 158.339                   | 40880.859                                  | 47904.461                                    | 31.396                        | 32.575                                      | 24.461                              | 1.023                                |
| 10/5/2017 5:30  | 27000                   | 70.292                        | 17.323                         | 158.34                    | 40897.473                                  | 47924.395                                    | 31.41                         | 32.589                                      | 24.451                              | 1.023                                |
| 10/5/2017 5:45  | 27900                   | 70.271                        | 17.329                         | 158.293                   | 40882.859                                  | 47901.188                                    | 31.394                        | 32.573                                      | 24.46                               | 1.023                                |
| 10/5/2017 6:00  | 28800                   | 70.266                        | 17.321                         | 158.28                    | 40913.484                                  | 47945.223                                    | 31.425                        | 32.603                                      | 24.442                              | 1.023                                |
| 10/5/2017 6:15  | 29700                   | 70.274                        | 17.332                         | 158.3                     | 40901.594                                  | 47919.953                                    | 31.408                        | 32.586                                      | 24.449                              | 1.023                                |
| 10/5/2017 6:30  | 30600                   | 70.284                        | 17.324                         | 158.322                   | 40882.316                                  | 47905.891                                    | 31.397                        | 32.576                                      | 24.46                               | 1.023                                |
| 10/5/2017 6:45  | 31500                   | 70.271                        | 17.33                          | 158.291                   | 40923.02                                   | 47946.742                                    | 31.427                        | 32.604                                      | 24.436                              | 1.023                                |
| 10/5/2017 7:00  | 32400                   | 70.274                        | 17.325                         | 158.299                   | 40914.422                                  | 47942.016                                    | 31.423                        | 32.601                                      | 24.441                              | 1.023                                |
| 10/5/2017 7:15  | 33300                   | 70.279                        | 17.32                          | 158.31                    | 40875.93                                   | 47902.891                                    | 31.394                        | 32.574                                      | 24.464                              | 1.023                                |
| 10/5/2017 7:30  | 34200                   | 70.274                        | 17.33                          | 158.3                     | 40859.43                                   | 47872.238                                    | 31.373                        | 32.553                                      | 24.474                              | 1.023                                |
| 10/5/2017 7:45  | 35100                   | 70.268                        | 17.326                         | 158.285                   | 40884.758                                  | 47906.211                                    | 31.397                        | 32.576                                      | 24.459                              | 1.023                                |
| 10/5/2017 8:00  | 36000                   | 70.268                        | 17.331                         | 158.285                   | 40940.398                                  | 47966.441                                    | 31.442                        | 32.617                                      | 24.426                              | 1.023                                |
| 10/5/2017 8:15  | 36900                   | 70.285                        | 17.324                         | 158.323                   | 40929.836                                  | 47961.945                                    | 31.438                        | 32.614                                      | 24.432                              | 1.023                                |
| 10/5/2017 8:30  | 37800                   | 70.288                        | 17.326                         | 158.33                    | 40899.066                                  | 47923.457                                    | 31.41                         | 32.588                                      | 24.45                               | 1.023                                |
| 10/5/2017 8:45  | 38700                   | 70.304                        | 17.325                         | 158.366                   | 40882.281                                  | 47905.098                                    | 31.396                        | 32.575                                      | 24.46                               | 1.023                                |
| 10/5/2017 9:00  | 39600                   | 70.31                         | 17.319                         | 158.379                   | 40917.922                                  | 47953.43                                     | 31.431                        | 32.608                                      | 24.439                              | 1.023                                |
| 10/5/2017 9:15  | 40500                   | 70.314                        | 17.322                         | 158.389                   | 40906.211                                  | 47936.414                                    | 31.419                        | 32.597                                      | 24.446                              | 1.023                                |
| 10/5/2017 9:30  | 41400                   | 70.32                         | 17.326                         | 158.404                   | 40871.891                                  | 47891.695                                    | 31.387                        | 32.566                                      | 24.467                              | 1.023                                |
| 10/5/2017 9:45  | 42300                   | 70.331                        | 17.326                         | 158.427                   | 40894.484                                  | 47918.277                                    | 31.406                        | 32.584                                      | 24.453                              | 1.023                                |
| 10/5/2017 10:00 | 43200                   | 70.321                        | 17.331                         | 158.404                   | 40882.672                                  | 47898.727                                    | 31.392                        | 32.571                                      | 24.46                               | 1.023                                |
| 10/5/2017 10:15 | 44100                   | 70.343                        | 17.326                         | 158.455                   | 40917.332                                  | 47945.047                                    | 31.426                        | 32.603                                      | 24.44                               | 1.023                                |
| 10/5/2017 10:30 | 45000                   | 70.346                        | 17.323                         | 158.46                    | 40916.438                                  | 47946.996                                    | 31.427                        | 32.604                                      | 24.44                               | 1.023                                |
| 10/5/2017 10:45 | 45900                   | 70.361                        | 17.328                         | 158.495                   | 40905.543                                  | 47928.328                                    | 31.414                        | 32.591                                      | 24.447                              | 1.023                                |
| 10/5/2017 11:00 | 46800                   | 70.369                        | 17.322                         | 158.514                   | 40900.844                                  | 47930.039                                    | 31.414                        | 32.592                                      | 24.449                              | 1.023                                |
| 10/5/2017 11:15 | 47700                   | 70.373                        | 17.327                         | 158.522                   | 40878.539                                  | 47898.273                                    | 31.391                        | 32.571                                      | 24.463                              | 1.023                                |
| 10/5/2017 11:30 | 48600                   | 70.384                        | 17.326                         | 158.547                   | 40872.328                                  | 47891.645                                    | 31.387                        | 32.566                                      | 24.466                              | 1.023                                |
| 10/5/2017 11:45 | 49500                   | 70.388                        | 17.327                         | 158.557                   | 40910.105                                  | 47935.355                                    | 31.419                        | 32.596                                      | 24.444                              | 1.023                                |
| 10/5/2017 12:00 | 50400                   | 70.39                         | 17.324                         | 158.56                    | 40911.758                                  | 47940.102                                    | 31.422                        | 32.599                                      | 24.443                              | 1.023                                |
| 10/5/2017 12:15 | 51300                   | 70.399                        | 17.327                         | 158.581                   | 40913.191                                  | 47939.34                                     | 31.421                        | 32.599                                      | 24.442                              | 1.023                                |
| 10/5/2017 12:30 | 52200                   | 70.383                        | 17.329                         | 158.545                   | 40897.277                                  | 47918.18                                     | 31.406                        | 32.584                                      | 24.452                              | 1.023                                |
| 10/5/2017 12:45 | 53100                   | 70.396                        | 17.331                         | 158.574                   | 40917.773                                  | 47939.473                                    | 31.422                        | 32.599                                      | 24.439                              | 1.023                                |

|                 |        |        |        |         |           |           |        |        |        |       |
|-----------------|--------|--------|--------|---------|-----------|-----------|--------|--------|--------|-------|
| 10/5/2017 13:00 | 54000  | 70.402 | 17.324 | 158.587 | 40906.855 | 47934.926 | 31.418 | 32.596 | 24.446 | 1.023 |
| 10/5/2017 13:15 | 54900  | 70.406 | 17.316 | 158.595 | 40896.227 | 47930.711 | 31.415 | 32.593 | 24.452 | 1.023 |
| 10/5/2017 13:30 | 55800  | 70.41  | 17.32  | 158.604 | 40925.75  | 47960.711 | 31.437 | 32.613 | 24.434 | 1.023 |
| 10/5/2017 13:45 | 56700  | 70.407 | 17.34  | 158.598 | 40948.348 | 47966.293 | 31.442 | 32.617 | 24.421 | 1.023 |
| 10/5/2017 14:00 | 57600  | 70.401 | 17.34  | 158.585 | 40959.98  | 47980.211 | 31.452 | 32.627 | 24.414 | 1.023 |
| 10/5/2017 14:15 | 58500  | 70.399 | 17.335 | 158.581 | 40931.75  | 47952     | 31.431 | 32.607 | 24.431 | 1.023 |
| 10/5/2017 14:30 | 59400  | 70.391 | 17.344 | 158.563 | 40971.094 | 47988.625 | 31.459 | 32.632 | 24.407 | 1.023 |
| 10/5/2017 14:45 | 60300  | 70.389 | 17.344 | 158.558 | 40932.125 | 47942.891 | 31.425 | 32.601 | 24.431 | 1.023 |
| 10/5/2017 15:00 | 61200  | 70.387 | 17.344 | 158.553 | 40980.777 | 47999.965 | 31.467 | 32.64  | 24.402 | 1.023 |
| 10/5/2017 15:15 | 62100  | 70.376 | 17.345 | 158.53  | 40978.574 | 47995.797 | 31.464 | 32.637 | 24.403 | 1.023 |
| 10/5/2017 15:30 | 63000  | 70.365 | 17.346 | 158.503 | 40966.84  | 47981.203 | 31.453 | 32.627 | 24.41  | 1.023 |
| 10/5/2017 15:45 | 63900  | 70.357 | 17.344 | 158.486 | 40983.945 | 48003.676 | 31.47  | 32.643 | 24.4   | 1.023 |
| 10/5/2017 16:00 | 64800  | 70.359 | 17.349 | 158.489 | 40988.914 | 48004.344 | 31.47  | 32.643 | 24.397 | 1.023 |
| 10/5/2017 16:15 | 65700  | 70.35  | 17.347 | 158.47  | 40998.711 | 48017.215 | 31.48  | 32.652 | 24.391 | 1.023 |
| 10/5/2017 16:30 | 66600  | 70.335 | 17.346 | 158.437 | 40958.438 | 47971.832 | 31.446 | 32.621 | 24.415 | 1.023 |
| 10/5/2017 16:45 | 67500  | 70.338 | 17.333 | 158.443 | 40986.055 | 48018.066 | 31.479 | 32.652 | 24.399 | 1.023 |
| 10/5/2017 17:00 | 68400  | 70.33  | 17.337 | 158.424 | 40969.219 | 47994.02  | 31.462 | 32.636 | 24.409 | 1.023 |
| 10/5/2017 17:15 | 69300  | 70.319 | 17.332 | 158.4   | 40950.109 | 47976.605 | 31.449 | 32.624 | 24.42  | 1.023 |
| 10/5/2017 17:30 | 70200  | 70.312 | 17.334 | 158.384 | 40969.742 | 47997.078 | 31.464 | 32.638 | 24.408 | 1.023 |
| 10/5/2017 17:45 | 71100  | 70.312 | 17.333 | 158.384 | 40975.73  | 48006.059 | 31.471 | 32.644 | 24.405 | 1.023 |
| 10/5/2017 18:00 | 72000  | 70.303 | 17.346 | 158.364 | 40963.953 | 47977.82  | 31.451 | 32.625 | 24.412 | 1.023 |
| 10/5/2017 18:15 | 72900  | 70.297 | 17.344 | 158.351 | 40980.203 | 47998.926 | 31.466 | 32.639 | 24.402 | 1.023 |
| 10/5/2017 18:30 | 73800  | 70.298 | 17.34  | 158.352 | 41009.957 | 48037.711 | 31.494 | 32.666 | 24.384 | 1.023 |
| 10/5/2017 18:45 | 74700  | 70.288 | 17.339 | 158.331 | 40997.191 | 48024.824 | 31.485 | 32.657 | 24.392 | 1.023 |
| 10/5/2017 19:00 | 75600  | 70.293 | 17.339 | 158.342 | 40951.59  | 47970.758 | 31.445 | 32.62  | 24.419 | 1.023 |
| 10/5/2017 19:15 | 76500  | 70.288 | 17.335 | 158.33  | 40953.836 | 47977.598 | 31.45  | 32.625 | 24.418 | 1.023 |
| 10/5/2017 19:30 | 77400  | 70.272 | 17.333 | 158.294 | 40963.91  | 47991.555 | 31.46  | 32.634 | 24.412 | 1.023 |
| 10/5/2017 19:45 | 78300  | 70.29  | 17.344 | 158.336 | 40966.273 | 47982.512 | 31.454 | 32.628 | 24.41  | 1.023 |
| 10/5/2017 20:00 | 79200  | 70.292 | 17.336 | 158.339 | 40947.699 | 47969.281 | 31.444 | 32.619 | 24.421 | 1.023 |
| 10/5/2017 20:15 | 80100  | 70.295 | 17.332 | 158.347 | 40931.961 | 47955.613 | 31.434 | 32.61  | 24.431 | 1.023 |
| 10/5/2017 20:30 | 81000  | 70.293 | 17.337 | 158.343 | 40974.656 | 47999.828 | 31.466 | 32.64  | 24.405 | 1.023 |
| 10/5/2017 20:45 | 81900  | 70.293 | 17.332 | 158.342 | 41003.039 | 48038.891 | 31.495 | 32.666 | 24.388 | 1.023 |
| 10/5/2017 21:00 | 82800  | 70.304 | 17.333 | 158.367 | 40937.09  | 47960.41  | 31.437 | 32.613 | 24.428 | 1.023 |
| 10/5/2017 21:15 | 83700  | 70.306 | 17.331 | 158.371 | 40938.059 | 47963.887 | 31.444 | 32.615 | 24.427 | 1.023 |
| 10/5/2017 21:30 | 84600  | 70.318 | 17.33  | 158.399 | 40970.719 | 48003.473 | 31.469 | 32.642 | 24.408 | 1.023 |
| 10/5/2017 21:45 | 85500  | 70.303 | 17.332 | 158.365 | 40928.188 | 47950.547 | 31.43  | 32.606 | 24.433 | 1.023 |
| 10/5/2017 22:00 | 86400  | 70.32  | 17.334 | 158.403 | 40958.07  | 47984.336 | 31.455 | 32.629 | 24.415 | 1.023 |
| 10/5/2017 22:15 | 87300  | 70.321 | 17.33  | 158.404 | 40921.207 | 47945.461 | 31.426 | 32.603 | 24.437 | 1.023 |
| 10/5/2017 22:30 | 88200  | 70.341 | 17.328 | 158.45  | 40963.711 | 47997.133 | 31.464 | 32.638 | 24.412 | 1.023 |
| 10/5/2017 22:45 | 89100  | 70.345 | 17.335 | 158.458 | 40934.367 | 47955.168 | 31.434 | 32.61  | 24.429 | 1.023 |
| 10/5/2017 23:00 | 90000  | 70.348 | 17.335 | 158.466 | 40964.617 | 47990.414 | 31.459 | 32.633 | 24.411 | 1.023 |
| 10/5/2017 23:15 | 90900  | 70.355 | 17.338 | 158.482 | 40905.223 | 47917.734 | 31.406 | 32.584 | 24.447 | 1.023 |
| 10/5/2017 23:30 | 91800  | 70.362 | 17.339 | 158.498 | 40964.676 | 47986.645 | 31.457 | 32.631 | 24.411 | 1.023 |
| 10/5/2017 23:45 | 92700  | 70.367 | 17.336 | 158.508 | 40947.023 | 47969.242 | 31.444 | 32.619 | 24.422 | 1.023 |
| 10/6/2017 0:00  | 93600  | 70.366 | 17.338 | 158.507 | 40983.992 | 48010.008 | 31.474 | 32.647 | 24.4   | 1.023 |
| 10/6/2017 0:15  | 94500  | 70.376 | 17.341 | 158.528 | 40946.238 | 47962.793 | 31.439 | 32.615 | 24.422 | 1.023 |
| 10/6/2017 0:30  | 95400  | 70.373 | 17.334 | 158.522 | 40957.629 | 47983.254 | 31.454 | 32.629 | 24.415 | 1.023 |
| 10/6/2017 0:45  | 96300  | 70.385 | 17.331 | 158.55  | 40958.629 | 47987.906 | 31.457 | 32.632 | 24.415 | 1.023 |
| 10/6/2017 1:00  | 97200  | 70.382 | 17.34  | 158.543 | 40969.934 | 47991.77  | 31.461 | 32.634 | 24.408 | 1.023 |
| 10/6/2017 1:15  | 98100  | 70.383 | 17.334 | 158.545 | 40947.961 | 47971.738 | 31.446 | 32.621 | 24.421 | 1.023 |
| 10/6/2017 1:30  | 99000  | 70.389 | 17.332 | 158.557 | 40989.242 | 48022.914 | 31.483 | 32.656 | 24.397 | 1.023 |
| 10/6/2017 1:45  | 99900  | 70.385 | 17.335 | 158.549 | 40932.938 | 47952.926 | 31.432 | 32.608 | 24.43  | 1.023 |
| 10/6/2017 2:00  | 100800 | 70.384 | 17.342 | 158.547 | 40969.215 | 47988.766 | 31.459 | 32.632 | 24.409 | 1.023 |
| 10/6/2017 2:15  | 101700 | 70.374 | 17.337 | 158.525 | 40959.254 | 47981.871 | 31.453 | 32.628 | 24.415 | 1.023 |
| 10/6/2017 2:30  | 102600 | 70.375 | 17.334 | 158.527 | 40966.555 | 47994.375 | 31.462 | 32.636 | 24.41  | 1.023 |
| 10/6/2017 2:45  | 103500 | 70.375 | 17.334 | 158.527 | 40918.406 | 47937.117 | 31.42  | 32.597 | 24.439 | 1.023 |
| 10/6/2017 3:00  | 104400 | 70.375 | 17.342 | 158.526 | 40934.641 | 47948.07  | 31.429 | 32.605 | 24.429 | 1.023 |
| 10/6/2017 3:15  | 105300 | 70.362 | 17.337 | 158.498 | 40935.746 | 47954.711 | 31.433 | 32.609 | 24.429 | 1.023 |
| 10/6/2017 3:30  | 106200 | 70.361 | 17.338 | 158.495 | 40979.613 | 48004.5   | 31.47  | 32.643 | 24.402 | 1.023 |
| 10/6/2017 3:45  | 107100 | 70.349 | 17.338 | 158.467 | 40978.434 | 48003.793 | 31.469 | 32.643 | 24.403 | 1.023 |
| 10/6/2017 4:00  | 108000 | 70.35  | 17.34  | 158.47  | 40975.086 | 47996.961 | 31.464 | 32.638 | 24.405 | 1.023 |
| 10/6/2017 4:15  | 108900 | 70.343 | 17.336 | 158.455 | 40993.93  | 48023.902 | 31.484 | 32.656 | 24.394 | 1.023 |
| 10/6/2017 4:30  | 109800 | 70.335 | 17.335 | 158.438 | 41001.004 | 48033.609 | 31.491 | 32.663 | 24.39  | 1.023 |
| 10/6/2017 4:45  | 110700 | 70.324 | 17.338 | 158.413 | 40906.523 | 47918.711 | 31.407 | 32.585 | 24.446 | 1.023 |
| 10/6/2017 5:00  | 111600 | 70.315 | 17.337 | 158.391 | 40992.371 | 48020.488 | 31.481 | 32.654 | 24.395 | 1.023 |
| 10/6/2017 5:15  | 112500 | 70.319 | 17.347 | 158.4   | 40980.398 | 47996.324 | 31.464 | 32.638 | 24.402 | 1.023 |
| 10/6/2017 5:30  | 113400 | 70.304 | 17.341 | 158.366 | 40962.617 | 47981.602 | 31.453 | 32.627 | 24.413 | 1.023 |
| 10/6/2017 5:45  | 114300 | 70.303 | 17.34  | 158.364 | 40996.129 | 48022.078 | 31.483 | 32.655 | 24.393 | 1.023 |
| 10/6/2017 6:00  | 115200 | 70.303 | 17.333 | 158.364 | 40944.277 | 47968.93  | 31.443 | 32.619 | 24.423 | 1.023 |
| 10/6/2017 6:15  | 116100 | 70.291 | 17.335 | 158.337 | 40968.555 | 47995.496 | 31.463 | 32.637 | 24.409 | 1.023 |
| 10/6/2017 6:30  | 117000 | 70.288 | 17.33  | 158.33  | 40971.063 | 48003.875 | 31.469 | 32.643 | 24.407 | 1.023 |
| 10/6/2017 6:45  | 117900 | 70.304 | 17.339 | 158.366 | 40992.895 | 48019.035 | 31.48  | 32.653 | 24.394 | 1.023 |
| 10/6/2017 7:00  | 118800 | 70.283 | 17.335 | 158.318 | 40959.832 | 47984.809 | 31.455 | 32.63  | 24.414 | 1.023 |
| 10/6/2017 7:15  | 119700 | 70.287 | 17.333 | 158.327 | 40996.703 | 48029.973 | 31.488 | 32.66  | 24.392 | 1.023 |
| 10/6/2017 7:30  | 120600 | 70.267 | 17.336 | 158.284 | 40966.039 | 47990.578 | 31.46  | 32.634 | 24.41  | 1.023 |
| 10/6/2017 7:45  | 121500 | 70.283 | 17.335 | 158.318 | 40943.512 | 47966.16  | 31.442 | 32.617 | 24.424 | 1.023 |
| 10/6/2017 8:00  | 122400 | 70.288 | 17.334 | 158.331 | 40941.922 | 47965.336 | 31.441 | 32.616 | 24.425 | 1.023 |
| 10/6/2017 8:15  | 123300 | 70.293 | 17.338 | 158.341 | 40985.035 | 48011.418 | 31.475 | 32.648 | 24.399 | 1.023 |
| 10/6/2017 8:30  | 124200 | 70.283 | 17.344 | 158.318 | 40971.387 | 47988.688 | 31.459 | 32.632 | 24.407 | 1.023 |
| 10/6/2017 8:45  | 125100 | 70.295 | 17.345 | 158.347 | 40961.676 | 47976.469 | 31.45  | 32.624 | 24.413 | 1.023 |
| 10/6/2017 9:00  | 126000 | 70.298 | 17.338 | 158.353 | 40992.281 | 48019.906 | 31.481 | 32.654 | 24.395 | 1.023 |
| 10/6/2017 9:15  | 126900 | 70.307 | 17.334 | 158.373 | 40986.344 | 48017.559 | 31.479 | 32.652 | 24.398 | 1.023 |
| 10/6/2017 9:30  | 127800 | 70.306 | 17.34  | 158.371 | 40978.934 | 48002.41  | 31.468 | 32.642 | 24.403 | 1.023 |
| 10/6/2017 9:45  | 128700 | 70.313 | 17.333 | 158.387 | 40979.203 | 48009.66  | 31.473 | 32.647 | 24.403 | 1.023 |
| 10/6/2017 10:00 | 129600 | 70.325 | 17.346 | 158.414 | 40959.531 | 47972.938 | 31.447 | 32.622 | 24.414 | 1.023 |
| 10/6/2017 10:15 | 130500 | 70.33  | 17.341 | 158.425 | 40945.684 | 47962.332 | 31.439 | 32.614 | 24.423 | 1.023 |
| 10/6/2017 10:30 | 131400 | 70.339 | 17.335 | 158.445 | 40968.172 | 47995.145 | 31.463 | 32.637 | 24.409 | 1.023 |
| 10/6/2017 10:45 | 132300 | 70.345 | 17.331 | 158.459 | 40964.727 | 47994.57  | 31.462 | 32.636 | 24.411 | 1.023 |
| 10/6/2017 11:00 | 133200 | 70.355 | 17.336 | 158.481 | 40999.852 | 48030.375 | 31.489 | 32.661 | 24.39  | 1.023 |
| 10/6/2017 11:15 | 134100 | 70.361 | 17.338 | 158.496 | 40970.    |           |        |        |        |       |

|                 |        |        |        |         |           |           |        |        |        |       |
|-----------------|--------|--------|--------|---------|-----------|-----------|--------|--------|--------|-------|
| 10/7/2017 9:30  | 214200 | 70.341 | 17.34  | 158.45  | 40998.824 | 48025.523 | 31.485 | 32.657 | 24.391 | 1.023 |
| 10/7/2017 9:45  | 215100 | 70.355 | 17.329 | 158.482 | 40932.754 | 47960.023 | 31.437 | 32.613 | 24.43  | 1.023 |
| 10/7/2017 10:00 | 216000 | 70.361 | 17.341 | 158.494 | 40969.023 | 47989.672 | 31.459 | 32.633 | 24.409 | 1.023 |
| 10/7/2017 10:15 | 216900 | 70.375 | 17.337 | 158.526 | 40957.035 | 47979.184 | 31.451 | 32.626 | 24.416 | 1.023 |
| 10/7/2017 10:30 | 217800 | 70.379 | 17.331 | 158.537 | 40967.004 | 47997.531 | 31.464 | 32.638 | 24.41  | 1.023 |
| 10/7/2017 10:45 | 218700 | 70.376 | 17.338 | 158.529 | 40934.582 | 47951.938 | 31.431 | 32.607 | 24.429 | 1.023 |
| 10/7/2017 11:00 | 219600 | 70.397 | 17.335 | 158.577 | 40968.898 | 47995.621 | 31.463 | 32.637 | 24.409 | 1.023 |
| 10/7/2017 11:15 | 220500 | 70.402 | 17.332 | 158.586 | 40950.551 | 47977.207 | 31.449 | 32.625 | 24.42  | 1.023 |
| 10/7/2017 11:30 | 221400 | 70.411 | 17.327 | 158.607 | 40938.285 | 47968.469 | 31.443 | 32.619 | 24.427 | 1.023 |
| 10/7/2017 11:45 | 222300 | 70.415 | 17.335 | 158.617 | 40979.449 | 48007.695 | 31.472 | 32.645 | 24.402 | 1.023 |
| 10/7/2017 12:00 | 223200 | 70.426 | 17.334 | 158.642 | 40968.574 | 47996.184 | 31.463 | 32.637 | 24.409 | 1.023 |
| 10/7/2017 12:15 | 224100 | 70.437 | 17.331 | 158.666 | 40925.578 | 47949.457 | 31.429 | 32.606 | 24.435 | 1.023 |
| 10/7/2017 12:30 | 225000 | 70.442 | 17.333 | 158.677 | 40964.645 | 47992.504 | 31.461 | 32.635 | 24.411 | 1.023 |
| 10/7/2017 12:45 | 225900 | 70.445 | 17.329 | 158.684 | 40931.387 | 47957.859 | 31.435 | 32.611 | 24.431 | 1.023 |
| 10/7/2017 13:00 | 226800 | 70.458 | 17.333 | 158.713 | 40957.973 | 47984.785 | 31.455 | 32.63  | 24.415 | 1.023 |
| 10/7/2017 13:15 | 227700 | 70.458 | 17.338 | 158.713 | 40942.313 | 47960.805 | 31.438 | 32.613 | 24.425 | 1.023 |
| 10/7/2017 13:30 | 228600 | 70.461 | 17.337 | 158.72  | 40964.867 | 47989.012 | 31.458 | 32.633 | 24.411 | 1.023 |
| 10/7/2017 13:45 | 229500 | 70.463 | 17.338 | 158.725 | 40997.109 | 48025.375 | 31.485 | 32.657 | 24.392 | 1.023 |
| 10/7/2017 14:00 | 230400 | 70.468 | 17.335 | 158.735 | 40980.223 | 48008.789 | 31.473 | 32.646 | 24.402 | 1.023 |
| 10/7/2017 14:15 | 231300 | 70.466 | 17.339 | 158.732 | 40951.188 | 47969.988 | 31.445 | 32.62  | 24.419 | 1.023 |
| 10/7/2017 14:30 | 232200 | 70.466 | 17.338 | 158.732 | 40958.426 | 47979.867 | 31.452 | 32.626 | 24.415 | 1.023 |
| 10/7/2017 14:45 | 233100 | 70.472 | 17.331 | 158.745 | 40968.363 | 47999.395 | 31.466 | 32.64  | 24.409 | 1.023 |
| 10/7/2017 15:00 | 234000 | 70.451 | 17.33  | 158.697 | 40990.605 | 48026.586 | 31.485 | 32.658 | 24.396 | 1.023 |
| 10/7/2017 15:15 | 234900 | 70.463 | 17.331 | 158.725 | 40965.191 | 47995.219 | 31.463 | 32.637 | 24.411 | 1.023 |
| 10/7/2017 15:30 | 235800 | 70.459 | 17.326 | 158.716 | 40968.52  | 48004.273 | 31.469 | 32.643 | 24.409 | 1.023 |
| 10/7/2017 15:45 | 236700 | 70.456 | 17.333 | 158.71  | 40955.418 | 47981.883 | 31.453 | 32.628 | 24.417 | 1.023 |
| 10/7/2017 16:00 | 237600 | 70.451 | 17.34  | 158.698 | 40947.297 | 47964.785 | 31.441 | 32.616 | 24.422 | 1.023 |
| 10/7/2017 16:15 | 238500 | 70.439 | 17.33  | 158.671 | 40961.395 | 47992.359 | 31.46  | 32.635 | 24.413 | 1.023 |
| 10/7/2017 16:30 | 239400 | 70.435 | 17.339 | 158.662 | 40952.191 | 47971.543 | 31.446 | 32.621 | 24.419 | 1.023 |
| 10/7/2017 16:45 | 240300 | 70.426 | 17.343 | 158.642 | 40950.551 | 47965.496 | 31.442 | 32.617 | 24.42  | 1.023 |
| 10/7/2017 17:00 | 241200 | 70.416 | 17.334 | 158.619 | 40975.461 | 48004.063 | 31.469 | 32.643 | 24.405 | 1.023 |
| 10/7/2017 17:15 | 242100 | 70.397 | 17.335 | 158.577 | 40931.578 | 47951.988 | 31.431 | 32.607 | 24.431 | 1.023 |
| 10/7/2017 17:30 | 243000 | 70.402 | 17.334 | 158.587 | 40961.914 | 47988.273 | 31.458 | 32.632 | 24.413 | 1.023 |
| 10/7/2017 17:45 | 243900 | 70.394 | 17.337 | 158.57  | 40957.484 | 47980.363 | 31.452 | 32.627 | 24.416 | 1.023 |
| 10/7/2017 18:00 | 244800 | 70.383 | 17.336 | 158.545 | 40937.625 | 47958.32  | 31.436 | 32.612 | 24.427 | 1.023 |
| 10/7/2017 18:15 | 245700 | 70.374 | 17.335 | 158.523 | 40971.383 | 47998.434 | 31.465 | 32.639 | 24.407 | 1.023 |
| 10/7/2017 18:30 | 246600 | 70.357 | 17.333 | 158.486 | 40976.035 | 48005.758 | 31.47  | 32.644 | 24.405 | 1.023 |
| 10/7/2017 18:45 | 247500 | 70.355 | 17.341 | 158.481 | 40972.137 | 47993.32  | 31.462 | 32.635 | 24.407 | 1.023 |
| 10/7/2017 19:00 | 248400 | 70.348 | 17.343 | 158.465 | 40933.008 | 47944.758 | 31.426 | 32.602 | 24.43  | 1.023 |
| 10/7/2017 19:15 | 249300 | 70.334 | 17.337 | 158.434 | 40974.191 | 47999.371 | 31.466 | 32.64  | 24.406 | 1.023 |
| 10/7/2017 19:30 | 250200 | 70.33  | 17.341 | 158.426 | 40982.406 | 48004.969 | 31.47  | 32.643 | 24.401 | 1.023 |
| 10/7/2017 19:45 | 251100 | 70.324 | 17.343 | 158.412 | 40995.309 | 48017.543 | 31.48  | 32.652 | 24.393 | 1.023 |
| 10/7/2017 20:00 | 252000 | 70.314 | 17.344 | 158.389 | 41005.422 | 48028.273 | 31.488 | 32.659 | 24.387 | 1.023 |
| 10/7/2017 20:15 | 252900 | 70.306 | 17.343 | 158.371 | 40973.996 | 47992.578 | 31.461 | 32.635 | 24.406 | 1.023 |
| 10/7/2017 20:30 | 253800 | 70.301 | 17.339 | 158.36  | 40984.234 | 48008.891 | 31.473 | 32.646 | 24.4   | 1.023 |
| 10/7/2017 20:45 | 254700 | 70.303 | 17.338 | 158.364 | 40963.457 | 47985.762 | 31.456 | 32.63  | 24.412 | 1.023 |
| 10/7/2017 21:00 | 255600 | 70.304 | 17.33  | 158.366 | 41000.723 | 48037.684 | 31.494 | 32.666 | 24.39  | 1.023 |
| 10/7/2017 21:15 | 256500 | 70.297 | 17.337 | 158.351 | 40992.457 | 48021.055 | 31.482 | 32.654 | 24.395 | 1.023 |
| 10/7/2017 21:30 | 257400 | 70.297 | 17.335 | 158.351 | 40931.98  | 47952.461 | 31.432 | 32.608 | 24.431 | 1.023 |
| 10/7/2017 21:45 | 258300 | 70.286 | 17.332 | 158.326 | 40987.184 | 48019.852 | 31.481 | 32.654 | 24.398 | 1.023 |
| 10/7/2017 22:00 | 259200 | 70.301 | 17.333 | 158.36  | 40988.992 | 48021.219 | 31.482 | 32.654 | 24.397 | 1.023 |
| 10/7/2017 22:15 | 260100 | 70.304 | 17.348 | 158.367 | 40936.68  | 47943.914 | 31.426 | 32.602 | 24.428 | 1.023 |
| 10/7/2017 22:30 | 261000 | 70.306 | 17.335 | 158.371 | 40977.914 | 48005.707 | 31.471 | 32.644 | 24.403 | 1.023 |
| 10/7/2017 22:45 | 261900 | 70.312 | 17.334 | 158.384 | 40983.945 | 48014.75  | 31.477 | 32.65  | 24.4   | 1.023 |
| 10/7/2017 23:00 | 262800 | 70.306 | 17.333 | 158.37  | 40968.43  | 47997.035 | 31.464 | 32.638 | 24.409 | 1.023 |
| 10/7/2017 23:15 | 263700 | 70.313 | 17.334 | 158.387 | 40960.832 | 47987.195 | 31.457 | 32.631 | 24.414 | 1.023 |
| 10/7/2017 23:30 | 264600 | 70.316 | 17.331 | 158.393 | 40955.164 | 47984.121 | 31.454 | 32.629 | 24.417 | 1.023 |
| 10/7/2017 23:45 | 265500 | 70.329 | 17.338 | 158.424 | 40924.676 | 47940.82  | 32.6   | 32.6   | 24.435 | 1.023 |
| 10/8/2017 0:00  | 266400 | 70.345 | 17.335 | 158.459 | 40967.629 | 47994.414 | 31.462 | 32.636 | 24.41  | 1.023 |
| 10/8/2017 0:15  | 267300 | 70.343 | 17.338 | 158.455 | 40957.145 | 47979.043 | 31.451 | 32.626 | 24.416 | 1.023 |
| 10/8/2017 0:30  | 268200 | 70.346 | 17.336 | 158.46  | 40951.559 | 47974.098 | 31.447 | 32.622 | 24.419 | 1.023 |
| 10/8/2017 0:45  | 269100 | 70.356 | 17.329 | 158.485 | 40948.48  | 47977.707 | 31.45  | 32.625 | 24.421 | 1.023 |
| 10/8/2017 1:00  | 270000 | 70.348 | 17.349 | 158.465 | 40966.578 | 47977.898 | 31.451 | 32.625 | 24.41  | 1.023 |
| 10/8/2017 1:15  | 270900 | 70.363 | 17.335 | 158.499 | 40964.547 | 47990.613 | 31.459 | 32.634 | 24.411 | 1.023 |
| 10/8/2017 1:30  | 271800 | 70.369 | 17.338 | 158.513 | 40944.746 | 47963.484 | 31.44  | 32.615 | 24.423 | 1.023 |
| 10/8/2017 1:45  | 272700 | 70.374 | 17.337 | 158.525 | 40955.914 | 47978.148 | 31.445 | 32.625 | 24.416 | 1.023 |
| 10/8/2017 2:00  | 273600 | 70.379 | 17.338 | 158.535 | 40972.453 | 47996.598 | 31.464 | 32.638 | 24.407 | 1.023 |
| 10/8/2017 2:15  | 274500 | 70.388 | 17.333 | 158.555 | 40990.336 | 48022.324 | 31.483 | 32.655 | 24.396 | 1.023 |
| 10/8/2017 2:30  | 275400 | 70.388 | 17.329 | 158.555 | 40960.16  | 47991.945 | 31.46  | 32.635 | 24.414 | 1.023 |
| 10/8/2017 2:45  | 276300 | 70.377 | 17.334 | 158.532 | 40971.133 | 47999.371 | 31.466 | 32.64  | 24.407 | 1.023 |
| 10/8/2017 3:00  | 277200 | 70.402 | 17.329 | 158.586 | 40945.004 | 47973.813 | 31.447 | 32.622 | 24.423 | 1.023 |
| 10/8/2017 3:15  | 278100 | 70.4   | 17.33  | 158.584 | 40950.07  | 47978.34  | 31.45  | 32.625 | 24.42  | 1.023 |
| 10/8/2017 3:30  | 279000 | 70.397 | 17.333 | 158.575 | 40963.461 | 47984.559 | 31.455 | 32.63  | 24.412 | 1.023 |
| 10/8/2017 3:45  | 279900 | 70.397 | 17.337 | 158.576 | 40976.789 | 48007.02  | 31.471 | 32.645 | 24.404 | 1.023 |
| 10/8/2017 4:00  | 280800 | 70.402 | 17.335 | 158.587 | 40945.234 | 47968.086 | 31.443 | 32.618 | 24.423 | 1.023 |
| 10/8/2017 4:15  | 281700 | 70.389 | 17.336 | 158.557 | 40964.105 | 47989.254 | 31.459 | 32.633 | 24.412 | 1.023 |
| 10/8/2017 4:30  | 282600 | 70.377 | 17.336 | 158.532 | 40957.32  | 47981.395 | 31.453 | 32.627 | 24.416 | 1.023 |
| 10/8/2017 4:45  | 283500 | 70.398 | 17.338 | 158.579 | 40979.813 | 48005.301 | 31.47  | 32.644 | 24.402 | 1.023 |
| 10/8/2017 5:00  | 284400 | 70.398 | 17.33  | 158.578 | 40977.289 | 48010.418 | 31.474 | 32.647 | 24.404 | 1.023 |
| 10/8/2017 5:15  | 285300 | 70.387 | 17.328 | 158.553 | 40937.301 | 47965.727 | 31.441 | 32.617 | 24.428 | 1.023 |
| 10/8/2017 5:30  | 286200 | 70.389 | 17.337 | 158.557 | 40964.531 | 47987.875 | 31.458 | 32.632 | 24.411 | 1.023 |
| 10/8/2017 5:45  | 287100 | 70.376 | 17.331 | 158.528 | 40948.754 | 47976.523 | 31.449 | 32.624 | 24.421 | 1.023 |
| 10/8/2017 6:00  | 288000 | 70.373 | 17.329 | 158.522 | 40960.367 | 47992.098 | 31.46  | 32.635 | 24.414 | 1.023 |
| 10/8/2017 6:15  | 288900 | 70.367 | 17.339 | 158.508 | 40962.367 | 47983.652 | 31.455 | 32.629 | 24.413 | 1.023 |
| 10/8/2017 6:30  | 289800 | 70.369 | 17.333 | 158.512 | 40977.055 | 48007.52  | 31.472 | 32.645 | 24.404 | 1.023 |
| 10/8/2017 6:45  | 290700 | 70.369 | 17.337 | 158.512 | 40962.563 | 47985.746 | 31.476 | 32.63  | 24.413 | 1.023 |
| 10/8/2017 7:00  | 291600 | 70.366 | 17.343 | 158.506 | 40954.73  | 47977.246 | 31.45  | 32.625 | 24.417 | 1.023 |
| 10/8/2017 7:15  | 292500 | 70.357 | 17.343 | 158.486 | 40950.828 | 47965.82  | 31.442 | 32.617 | 24.42  | 1.023 |
| 10/8/2017 7:30  | 293400 | 70.351 | 17.34  | 158.473 | 40938.805 | 47955.117 | 31.434 | 32.609 | 24.427 | 1.023 |
| 1               |        |        |        |         |           |           |        |        |        |       |

|                 |        |        |        |         |           |           |        |        |        |       |
|-----------------|--------|--------|--------|---------|-----------|-----------|--------|--------|--------|-------|
| 10/9/2017 6:00  | 374400 | 70.456 | 17.331 | 158.71  | 40982.707 | 48015.824 | 31.478 | 32.651 | 24.401 | 1.023 |
| 10/9/2017 6:15  | 375300 | 70.449 | 17.335 | 158.693 | 40994.488 | 48025.602 | 31.485 | 32.657 | 24.394 | 1.023 |
| 10/9/2017 6:30  | 376200 | 70.456 | 17.325 | 158.71  | 40960.383 | 47996.332 | 31.463 | 32.638 | 24.414 | 1.023 |
| 10/9/2017 6:45  | 377100 | 70.45  | 17.334 | 158.695 | 40916.523 | 47935.477 | 31.419 | 32.596 | 24.44  | 1.023 |
| 10/9/2017 7:00  | 378000 | 70.445 | 17.327 | 158.684 | 40941.746 | 47972.066 | 31.445 | 32.621 | 24.425 | 1.023 |
| 10/9/2017 7:15  | 378900 | 70.451 | 17.329 | 158.699 | 40964.387 | 47996.43  | 31.463 | 32.638 | 24.411 | 1.023 |
| 10/9/2017 7:30  | 379800 | 70.436 | 17.334 | 158.664 | 40931.246 | 47952.91  | 31.432 | 32.608 | 24.431 | 1.023 |
| 10/9/2017 7:45  | 380700 | 70.446 | 17.336 | 158.687 | 40962.281 | 47987.117 | 31.457 | 32.631 | 24.413 | 1.023 |
| 10/9/2017 8:00  | 381600 | 70.442 | 17.332 | 158.678 | 40976.48  | 48007.5   | 31.472 | 32.645 | 24.404 | 1.023 |
| 10/9/2017 8:15  | 382500 | 70.438 | 17.324 | 158.668 | 40937.418 | 47970.363 | 31.444 | 32.62  | 24.428 | 1.023 |
| 10/9/2017 8:30  | 383400 | 70.442 | 17.335 | 158.677 | 40956.242 | 47980.695 | 31.452 | 32.627 | 24.416 | 1.023 |
| 10/9/2017 8:45  | 384300 | 70.443 | 17.336 | 158.679 | 40962.75  | 47987.02  | 31.457 | 32.631 | 24.412 | 1.023 |
| 10/9/2017 9:00  | 385200 | 70.442 | 17.334 | 158.677 | 40948.176 | 47972.559 | 31.446 | 32.621 | 24.421 | 1.023 |
| 10/9/2017 9:15  | 386100 | 70.433 | 17.331 | 158.658 | 40972.977 | 48004.797 | 31.47  | 32.643 | 24.406 | 1.023 |
| 10/9/2017 9:30  | 387000 | 70.43  | 17.328 | 158.65  | 40957.805 | 47989.844 | 31.458 | 32.633 | 24.415 | 1.023 |
| 10/9/2017 9:45  | 387900 | 70.442 | 17.335 | 158.678 | 40944.027 | 47966.762 | 31.442 | 32.617 | 24.424 | 1.023 |
| 10/9/2017 10:00 | 388800 | 70.452 | 17.331 | 158.699 | 40964.82  | 47995.055 | 31.462 | 32.637 | 24.411 | 1.023 |
| 10/9/2017 10:15 | 389700 | 70.456 | 17.333 | 158.71  | 40975.98  | 48005.605 | 31.47  | 32.644 | 24.405 | 1.023 |
| 10/9/2017 10:30 | 390600 | 70.459 | 17.337 | 158.716 | 40992.902 | 48021.578 | 31.482 | 32.655 | 24.394 | 1.023 |
| 10/9/2017 10:45 | 391500 | 70.462 | 17.333 | 158.722 | 40937.887 | 47961.254 | 31.438 | 32.614 | 24.427 | 1.023 |
| 10/9/2017 11:00 | 392400 | 70.472 | 17.344 | 158.745 | 40979.023 | 47998.098 | 31.465 | 32.639 | 24.403 | 1.023 |
| 10/9/2017 11:15 | 393300 | 70.477 | 17.331 | 158.756 | 40954.109 | 47982.129 | 31.453 | 32.628 | 24.418 | 1.023 |
| 10/9/2017 11:30 | 394200 | 70.478 | 17.336 | 158.759 | 40988.648 | 48017.906 | 31.479 | 32.652 | 24.397 | 1.023 |
| 10/9/2017 11:45 | 395100 | 70.493 | 17.332 | 158.793 | 40979.988 | 48011.609 | 31.475 | 32.648 | 24.402 | 1.023 |
| 10/9/2017 12:00 | 396000 | 70.505 | 17.334 | 158.82  | 40985.434 | 48015.746 | 31.478 | 32.651 | 24.399 | 1.023 |
| 10/9/2017 12:15 | 396900 | 70.502 | 17.335 | 158.813 | 40967.121 | 47993.25  | 31.461 | 32.635 | 24.41  | 1.023 |
| 10/9/2017 12:30 | 397800 | 70.52  | 17.333 | 158.852 | 40928.766 | 47950.66  | 31.43  | 32.606 | 24.433 | 1.023 |
| 10/9/2017 12:45 | 398700 | 70.53  | 17.33  | 158.876 | 40984.535 | 48018.719 | 31.48  | 32.653 | 24.399 | 1.023 |
| 10/9/2017 13:00 | 399600 | 70.539 | 17.338 | 158.895 | 40995.074 | 48023.367 | 31.484 | 32.656 | 24.393 | 1.023 |
| 10/9/2017 13:15 | 400500 | 70.546 | 17.337 | 158.912 | 40980.262 | 48006.48  | 31.471 | 32.644 | 24.402 | 1.023 |
| 10/9/2017 13:30 | 401400 | 70.552 | 17.338 | 158.925 | 40988.773 | 48015.715 | 31.478 | 32.651 | 24.397 | 1.023 |
| 10/9/2017 13:45 | 402300 | 70.558 | 17.337 | 158.94  | 40966.484 | 47990.441 | 31.459 | 32.634 | 24.41  | 1.023 |
| 10/9/2017 14:00 | 403200 | 70.557 | 17.338 | 158.937 | 40978.973 | 48004.234 | 31.47  | 32.643 | 24.403 | 1.023 |
| 10/9/2017 14:15 | 404100 | 70.567 | 17.338 | 158.96  | 41006.813 | 48036.742 | 31.493 | 32.665 | 24.386 | 1.023 |
| 10/9/2017 14:30 | 405000 | 70.578 | 17.333 | 158.983 | 40994.898 | 48028.137 | 31.487 | 32.659 | 24.393 | 1.023 |
| 10/9/2017 14:45 | 405900 | 70.579 | 17.33  | 158.986 | 40934.848 | 47960.789 | 31.437 | 32.613 | 24.429 | 1.023 |
| 10/9/2017 15:00 | 406800 | 70.582 | 17.332 | 158.992 | 40971.813 | 48002.305 | 31.468 | 32.642 | 24.407 | 1.023 |
| 10/9/2017 15:15 | 407700 | 70.584 | 17.328 | 158.997 | 40946.18  | 47976.777 | 31.449 | 32.624 | 24.422 | 1.023 |
| 10/9/2017 15:30 | 408600 | 70.584 | 17.332 | 158.997 | 40962.617 | 47991.719 | 31.46  | 32.634 | 24.413 | 1.023 |
| 10/9/2017 15:45 | 409500 | 70.588 | 17.336 | 159.006 | 40987.719 | 48016.078 | 31.478 | 32.651 | 24.398 | 1.023 |
| 10/9/2017 16:00 | 410400 | 70.591 | 17.334 | 159.012 | 40959.684 | 47985.473 | 31.456 | 32.63  | 24.414 | 1.023 |
| 10/9/2017 16:15 | 411300 | 70.584 | 17.334 | 158.997 | 40955.832 | 47980.961 | 31.452 | 32.627 | 24.417 | 1.023 |
| 10/9/2017 16:30 | 412200 | 70.585 | 17.332 | 158.999 | 40987.234 | 48020.004 | 31.481 | 32.654 | 24.398 | 1.023 |
| 10/9/2017 16:45 | 413100 | 70.574 | 17.338 | 158.974 | 40968.703 | 47991.91  | 31.461 | 32.635 | 24.409 | 1.023 |
| 10/9/2017 17:00 | 414000 | 70.583 | 17.334 | 158.996 | 40949.438 | 47974.035 | 31.447 | 32.622 | 24.42  | 1.023 |
| 10/9/2017 17:15 | 414900 | 70.573 | 17.327 | 158.973 | 40950.695 | 47982.445 | 31.453 | 32.628 | 24.42  | 1.023 |
| 10/9/2017 17:30 | 415800 | 70.567 | 17.327 | 158.959 | 40959.207 | 47993.258 | 31.461 | 32.635 | 24.415 | 1.023 |
| 10/9/2017 17:45 | 416700 | 70.559 | 17.335 | 158.94  | 40973.777 | 48001.051 | 31.467 | 32.641 | 24.406 | 1.023 |
| 10/9/2017 18:00 | 417600 | 70.551 | 17.332 | 158.923 | 40958.227 | 47985.836 | 31.456 | 32.63  | 24.415 | 1.023 |
| 10/9/2017 18:15 | 418500 | 70.546 | 17.338 | 158.913 | 41002.813 | 48032.539 | 31.49  | 32.662 | 24.389 | 1.023 |
| 10/9/2017 18:30 | 419400 | 70.529 | 17.33  | 158.872 | 40943.664 | 47971.207 | 31.445 | 32.62  | 24.424 | 1.023 |
| 10/9/2017 18:45 | 420300 | 70.523 | 17.328 | 158.859 | 40940.215 | 47969.332 | 31.443 | 32.619 | 24.426 | 1.023 |
| 10/9/2017 19:00 | 421200 | 70.519 | 17.338 | 158.851 | 40964.16  | 47986.508 | 31.457 | 32.631 | 24.412 | 1.023 |
| 10/9/2017 19:15 | 422100 | 70.509 | 17.339 | 158.828 | 40975.871 | 47999.391 | 31.466 | 32.64  | 24.405 | 1.023 |
| 10/9/2017 19:30 | 423000 | 70.494 | 17.335 | 158.795 | 40977.09  | 48004.652 | 31.47  | 32.643 | 24.404 | 1.023 |
| 10/9/2017 19:45 | 423900 | 70.486 | 17.336 | 158.776 | 40974.91  | 48001.809 | 31.468 | 32.641 | 24.405 | 1.023 |
| 10/9/2017 20:00 | 424800 | 70.482 | 17.336 | 158.767 | 40993.844 | 48023.898 | 31.484 | 32.656 | 24.394 | 1.023 |
| 10/9/2017 20:15 | 425700 | 70.472 | 17.331 | 158.745 | 40971.402 | 48003.242 | 31.468 | 32.642 | 24.407 | 1.023 |
| 10/9/2017 20:30 | 426600 | 70.462 | 17.334 | 158.722 | 40957.75  | 47983.879 | 31.454 | 32.629 | 24.415 | 1.023 |
| 10/9/2017 20:45 | 427500 | 70.45  | 17.326 | 158.695 | 40971.293 | 48007.523 | 31.471 | 32.645 | 24.407 | 1.023 |
| 10/9/2017 21:00 | 428400 | 70.442 | 17.338 | 158.677 | 40995.199 | 48023.055 | 31.483 | 32.656 | 24.393 | 1.023 |
| 10/9/2017 21:15 | 429300 | 70.429 | 17.326 | 158.647 | 40966.523 | 48002.395 | 31.468 | 32.642 | 24.41  | 1.023 |
| 10/9/2017 21:30 | 430200 | 70.429 | 17.338 | 158.649 | 40982.621 | 48008.32  | 31.473 | 32.646 | 24.401 | 1.023 |
| 10/9/2017 21:45 | 431100 | 70.422 | 17.334 | 158.633 | 40966.93  | 47994.813 | 31.462 | 32.636 | 24.41  | 1.023 |
| 10/9/2017 22:00 | 432000 | 70.413 | 17.328 | 158.613 | 40960.168 | 47992.898 | 31.461 | 32.635 | 24.414 | 1.023 |
| 10/9/2017 22:15 | 432900 | 70.41  | 17.328 | 158.606 | 40983.316 | 48019.922 | 31.48  | 32.654 | 24.4   | 1.023 |
| 10/9/2017 22:30 | 433800 | 70.406 | 17.333 | 158.596 | 40995.309 | 48028.906 | 31.487 | 32.66  | 24.393 | 1.023 |
| 10/9/2017 22:45 | 434700 | 70.399 | 17.337 | 158.581 | 40986.66  | 48014.168 | 31.477 | 32.65  | 24.398 | 1.023 |
| 10/9/2017 23:00 | 435600 | 70.402 | 17.332 | 158.586 | 40981.742 | 48014.234 | 31.477 | 32.65  | 24.401 | 1.023 |
| 10/9/2017 23:15 | 436500 | 70.401 | 17.332 | 158.585 | 40969.363 | 47999.352 | 31.466 | 32.64  | 24.408 | 1.023 |
| 10/9/2017 23:30 | 437400 | 70.402 | 17.336 | 158.587 | 40957.762 | 47981.363 | 31.453 | 32.627 | 24.415 | 1.023 |
| 10/9/2017 23:45 | 438300 | 70.399 | 17.331 | 158.581 | 40958.879 | 47988.387 | 31.458 | 32.632 | 24.415 | 1.023 |
| 10/10/2017 0:00 | 439200 | 70.395 | 17.331 | 158.572 | 40998.125 | 48034.453 | 31.491 | 32.663 | 24.391 | 1.023 |
| 10/10/2017 0:15 | 440100 | 70.396 | 17.326 | 158.574 | 40965.91  | 48001.863 | 31.467 | 32.641 | 24.411 | 1.023 |
| 10/10/2017 0:30 | 441000 | 70.403 | 17.327 | 158.589 | 40987.699 | 48026.449 | 31.485 | 32.658 | 24.398 | 1.023 |
| 10/10/2017 0:45 | 441900 | 70.411 | 17.33  | 158.607 | 40999.645 | 48037.086 | 31.493 | 32.665 | 24.39  | 1.023 |
| 10/10/2017 1:00 | 442800 | 70.41  | 17.326 | 158.604 | 40953.426 | 47987.234 | 31.456 | 32.631 | 24.418 | 1.023 |
| 10/10/2017 1:15 | 443700 | 70.395 | 17.322 | 158.572 | 40938.023 | 47973.422 | 31.446 | 32.622 | 24.427 | 1.023 |
| 10/10/2017 1:30 | 444600 | 70.406 | 17.338 | 158.596 | 40990.902 | 48018.398 | 31.48  | 32.653 | 24.396 | 1.023 |
| 10/10/2017 1:45 | 445500 | 70.418 | 17.333 | 158.623 | 40953.223 | 47979.504 | 31.451 | 32.626 | 24.418 | 1.023 |
| 10/10/2017 2:00 | 446400 | 70.432 | 17.332 | 158.654 | 40946.676 | 47973.043 | 31.446 | 32.622 | 24.422 | 1.023 |
| 10/10/2017 2:15 | 447300 | 70.436 | 17.33  | 158.665 | 40978.039 | 48011.586 | 31.474 | 32.648 | 24.403 | 1.023 |
| 10/10/2017 2:30 | 448200 | 70.447 | 17.326 | 158.688 | 40962.297 | 47996.98  | 31.464 | 32.638 | 24.413 | 1.023 |
| 10/10/2017 2:45 | 449100 | 70.445 | 17.328 | 158.684 | 40968.293 | 48002.605 | 31.468 | 32.642 | 24.409 | 1.023 |
| 10/10/2017 3:00 | 450000 | 70.458 | 17.331 | 158.714 | 40939.004 | 47964.996 | 31.44  | 32.616 | 24.427 | 1.023 |
| 10/10/2017 3:15 | 450900 | 70.461 | 17.326 | 158.72  | 40979.328 | 48017.398 | 31.479 | 32.652 | 24.403 | 1.023 |
| 10/10/2017 3:30 | 451800 | 70.46  | 17.333 | 158.717 | 40950.359 | 47975.957 | 31.449 | 32.624 | 24.42  | 1.023 |
| 10/10/2017 3:45 | 452700 | 70.466 | 17.324 | 158.732 | 40921.449 | 47952.023 | 31.431 | 32.607 | 24.437 | 1.023 |
| 10/10/2017 4:00 | 453600 | 70.457 | 17.323 | 158.711 | 40973.926 | 48014.086 | 31.476 | 32.65  | 24.406 | 1     |

|                  |        |        |        |         |           |           |        |        |        |       |
|------------------|--------|--------|--------|---------|-----------|-----------|--------|--------|--------|-------|
| 10/11/2017 2:30  | 534600 | 70.415 | 17.334 | 158.617 | 40965.59  | 47992.395 | 31.461 | 32.635 | 24.411 | 1.023 |
| 10/11/2017 2:45  | 535500 | 70.423 | 17.328 | 158.634 | 40978.25  | 48013.801 | 31.476 | 32.649 | 24.403 | 1.023 |
| 10/11/2017 3:00  | 536400 | 70.429 | 17.33  | 158.649 | 40993.395 | 48029.574 | 31.488 | 32.66  | 24.394 | 1.023 |
| 10/11/2017 3:15  | 537300 | 70.43  | 17.324 | 158.651 | 40986.988 | 48028.914 | 31.487 | 32.66  | 24.398 | 1.023 |
| 10/11/2017 3:30  | 538200 | 70.442 | 17.328 | 158.677 | 40928.586 | 47955.328 | 31.433 | 32.61  | 24.433 | 1.023 |
| 10/11/2017 3:45  | 539100 | 70.446 | 17.335 | 158.686 | 40993     | 48024.047 | 31.484 | 32.656 | 24.394 | 1.023 |
| 10/11/2017 4:00  | 540000 | 70.451 | 17.334 | 158.699 | 40943.801 | 47967.055 | 31.442 | 32.618 | 24.424 | 1.023 |
| 10/11/2017 4:15  | 540900 | 70.441 | 17.331 | 158.675 | 40936.68  | 47962.191 | 31.438 | 32.614 | 24.428 | 1.023 |
| 10/11/2017 4:30  | 541800 | 70.466 | 17.333 | 158.732 | 40972.371 | 48001.559 | 31.467 | 32.641 | 24.407 | 1.023 |
| 10/11/2017 4:45  | 542700 | 70.472 | 17.322 | 158.745 | 40922.27  | 47954.398 | 31.432 | 32.609 | 24.437 | 1.023 |
| 10/11/2017 5:00  | 543600 | 70.472 | 17.327 | 158.746 | 40943.227 | 47973.508 | 31.447 | 32.622 | 24.424 | 1.023 |
| 10/11/2017 5:15  | 544500 | 70.482 | 17.329 | 158.767 | 40932.324 | 47959.332 | 31.436 | 32.612 | 24.431 | 1.023 |
| 10/11/2017 5:30  | 545400 | 70.486 | 17.328 | 158.778 | 40968.07  | 48001.59  | 31.467 | 32.641 | 24.409 | 1.023 |
| 10/11/2017 5:45  | 546300 | 70.484 | 17.322 | 158.772 | 40921.18  | 47953.496 | 31.432 | 32.608 | 24.437 | 1.023 |
| 10/11/2017 6:00  | 547200 | 70.493 | 17.327 | 158.793 | 40975.426 | 48011.344 | 31.474 | 32.648 | 24.405 | 1.023 |
| 10/11/2017 6:15  | 548100 | 70.491 | 17.329 | 158.788 | 40950.836 | 47980.555 | 31.452 | 32.627 | 24.42  | 1.023 |
| 10/11/2017 6:30  | 549000 | 70.491 | 17.331 | 158.788 | 40971.504 | 48003.359 | 31.469 | 32.642 | 24.407 | 1.023 |
| 10/11/2017 6:45  | 549900 | 70.497 | 17.329 | 158.801 | 40943.703 | 47972.852 | 31.446 | 32.622 | 24.424 | 1.023 |
| 10/11/2017 7:00  | 550800 | 70.503 | 17.333 | 158.815 | 40967.539 | 47996.371 | 31.464 | 32.638 | 24.41  | 1.023 |
| 10/11/2017 7:15  | 551700 | 70.497 | 17.328 | 158.802 | 40952.07  | 47982.945 | 31.453 | 32.628 | 24.419 | 1.023 |
| 10/11/2017 7:30  | 552600 | 70.503 | 17.333 | 158.815 | 40961.168 | 47988.813 | 31.458 | 32.632 | 24.413 | 1.023 |
| 10/11/2017 7:45  | 553500 | 70.51  | 17.325 | 158.83  | 40984.5   | 48024.688 | 31.484 | 32.657 | 24.399 | 1.023 |
| 10/11/2017 8:00  | 554400 | 70.508 | 17.33  | 158.827 | 40941.543 | 47968.914 | 31.443 | 32.619 | 24.425 | 1.023 |
| 10/11/2017 8:15  | 555300 | 70.502 | 17.325 | 158.813 | 40958.668 | 47994.23  | 31.462 | 32.636 | 24.415 | 1.023 |
| 10/11/2017 8:30  | 556200 | 70.499 | 17.332 | 158.805 | 40949.586 | 47976.371 | 31.449 | 32.624 | 24.42  | 1.023 |
| 10/11/2017 8:45  | 557100 | 70.503 | 17.329 | 158.815 | 40965.32  | 47997.902 | 31.464 | 32.639 | 24.411 | 1.023 |
| 10/11/2017 9:00  | 558000 | 70.51  | 17.332 | 158.83  | 40958.902 | 47986.629 | 31.456 | 32.631 | 24.415 | 1.023 |
| 10/11/2017 9:15  | 558900 | 70.494 | 17.326 | 158.795 | 40915.227 | 47942.02  | 31.423 | 32.601 | 24.441 | 1.023 |
| 10/11/2017 9:30  | 559800 | 70.494 | 17.327 | 158.795 | 40949.461 | 47981.469 | 31.452 | 32.627 | 24.42  | 1.023 |
| 10/11/2017 9:45  | 560700 | 70.494 | 17.33  | 158.795 | 40991.84  | 48027.652 | 31.486 | 32.659 | 24.395 | 1.023 |
| 10/11/2017 10:00 | 561600 | 70.489 | 17.33  | 158.784 | 40989.004 | 48024.141 | 31.484 | 32.656 | 24.397 | 1.023 |
| 10/11/2017 10:15 | 562500 | 70.505 | 17.331 | 158.82  | 40968.113 | 47999.207 | 31.465 | 32.639 | 24.409 | 1.023 |
| 10/11/2017 10:30 | 563400 | 70.505 | 17.328 | 158.82  | 40985.07  | 48021.789 | 31.482 | 32.655 | 24.399 | 1.023 |
| 10/11/2017 10:45 | 564300 | 70.503 | 17.328 | 158.816 | 40963.102 | 47996.051 | 31.463 | 32.637 | 24.412 | 1.023 |
| 10/11/2017 11:00 | 565200 | 70.489 | 17.325 | 158.784 | 40910.383 | 47937.84  | 31.42  | 32.598 | 24.444 | 1.023 |
| 10/11/2017 11:15 | 566100 | 70.503 | 17.335 | 158.815 | 40938.258 | 47960.004 | 31.437 | 32.613 | 24.427 | 1.023 |
| 10/11/2017 11:30 | 567000 | 70.514 | 17.325 | 158.84  | 40917.766 | 47946.867 | 31.427 | 32.604 | 24.439 | 1.023 |
| 10/11/2017 11:45 | 567900 | 70.508 | 17.331 | 158.826 | 40952.977 | 47981.098 | 31.452 | 32.627 | 24.418 | 1.023 |
| 10/11/2017 12:00 | 568800 | 70.508 | 17.341 | 158.826 | 40947.73  | 47964.73  | 31.441 | 32.616 | 24.421 | 1.023 |
| 10/11/2017 12:15 | 569700 | 70.513 | 17.33  | 158.838 | 40955.57  | 47985.633 | 31.456 | 32.63  | 24.417 | 1.023 |
| 10/11/2017 12:30 | 570600 | 70.52  | 17.33  | 158.852 | 41005.332 | 48043.461 | 31.498 | 32.67  | 24.387 | 1.023 |
| 10/11/2017 12:45 | 571500 | 70.519 | 17.331 | 158.852 | 40940.266 | 47966.582 | 31.442 | 32.617 | 24.426 | 1.023 |
| 10/11/2017 13:00 | 572400 | 70.53  | 17.331 | 158.876 | 40971.207 | 48002.914 | 31.468 | 32.642 | 24.407 | 1.023 |
| 10/11/2017 13:15 | 573300 | 70.531 | 17.342 | 158.878 | 41017.57  | 48044.66  | 31.499 | 32.67  | 24.38  | 1.023 |
| 10/11/2017 13:30 | 574200 | 70.535 | 17.334 | 158.888 | 40980.609 | 48009.988 | 31.474 | 32.647 | 24.402 | 1.023 |
| 10/11/2017 13:45 | 575100 | 70.551 | 17.338 | 158.923 | 40960.543 | 47983.023 | 31.454 | 32.628 | 24.414 | 1.023 |
| 10/11/2017 14:00 | 576000 | 70.545 | 17.326 | 158.91  | 40966.055 | 48002.031 | 31.467 | 32.641 | 24.41  | 1.023 |
| 10/11/2017 14:15 | 576900 | 70.559 | 17.328 | 158.94  | 41002.246 | 48041.633 | 31.496 | 32.668 | 24.389 | 1.023 |
| 10/11/2017 14:30 | 577800 | 70.56  | 17.326 | 158.944 | 40968.813 | 48004.996 | 31.469 | 32.643 | 24.409 | 1.023 |
| 10/11/2017 14:45 | 578700 | 70.567 | 17.326 | 158.96  | 40959.441 | 47993.828 | 31.461 | 32.636 | 24.414 | 1.023 |
| 10/11/2017 15:00 | 579600 | 70.567 | 17.333 | 158.96  | 40981.793 | 48012.504 | 31.475 | 32.649 | 24.401 | 1.023 |
| 10/11/2017 15:15 | 580500 | 70.581 | 17.329 | 158.99  | 40941.707 | 47970.047 | 31.444 | 32.62  | 24.425 | 1.023 |
| 10/11/2017 15:30 | 581400 | 70.585 | 17.333 | 159     | 40954.047 | 47980.188 | 31.452 | 32.627 | 24.418 | 1.023 |
| 10/11/2017 15:45 | 582300 | 70.591 | 17.326 | 159.012 | 40942     | 47974.141 | 31.447 | 32.622 | 24.425 | 1.023 |
| 10/11/2017 16:00 | 583200 | 70.6   | 17.333 | 159.034 | 40982.477 | 48013.871 | 31.476 | 32.649 | 24.401 | 1.023 |
| 10/11/2017 16:15 | 584100 | 70.603 | 17.325 | 159.039 | 40975.375 | 48013.438 | 31.476 | 32.649 | 24.405 | 1.023 |
| 10/11/2017 16:30 | 585000 | 70.602 | 17.328 | 159.038 | 40958.293 | 47990.785 | 31.459 | 32.634 | 24.415 | 1.023 |
| 10/11/2017 16:45 | 585900 | 70.61  | 17.326 | 159.056 | 40923.637 | 47952.328 | 31.431 | 32.608 | 24.436 | 1.023 |
| 10/11/2017 17:00 | 586800 | 70.613 | 17.334 | 159.064 | 40983.586 | 48013.391 | 31.476 | 32.649 | 24.4   | 1.023 |
| 10/11/2017 17:15 | 587700 | 70.609 | 17.328 | 159.053 | 40992.105 | 48030.508 | 31.488 | 32.661 | 24.395 | 1.023 |
| 10/11/2017 17:30 | 588600 | 70.618 | 17.327 | 159.075 | 40929.996 | 47958.84  | 31.436 | 32.612 | 24.432 | 1.023 |
| 10/11/2017 17:45 | 589500 | 70.603 | 17.327 | 159.039 | 40940.559 | 47971.039 | 31.445 | 32.62  | 24.426 | 1.023 |
| 10/11/2017 18:00 | 590400 | 70.597 | 17.33  | 159.027 | 40954.785 | 47984.805 | 31.455 | 32.63  | 24.417 | 1.023 |
| 10/11/2017 18:15 | 591300 | 70.612 | 17.327 | 159.06  | 40978.992 | 48015.707 | 31.477 | 32.651 | 24.403 | 1.023 |
| 10/11/2017 18:30 | 592200 | 70.607 | 17.322 | 159.05  | 40948.496 | 47985.504 | 31.455 | 32.63  | 24.421 | 1.023 |
| 10/11/2017 18:45 | 593100 | 70.605 | 17.329 | 159.045 | 40935.098 | 47961.836 | 31.438 | 32.614 | 24.429 | 1.023 |
| 10/11/2017 19:00 | 594000 | 70.601 | 17.322 | 159.035 | 40935.395 | 47970.047 | 31.444 | 32.62  | 24.429 | 1.023 |
| 10/11/2017 19:15 | 594900 | 70.601 | 17.32  | 159.036 | 40928.969 | 47964.59  | 31.44  | 32.616 | 24.433 | 1.023 |
| 10/11/2017 19:30 | 595800 | 70.594 | 17.327 | 159.02  | 40934.137 | 47963.34  | 31.439 | 32.615 | 24.429 | 1.023 |
| 10/11/2017 19:45 | 596700 | 70.585 | 17.33  | 159     | 40958.438 | 47988.617 | 31.458 | 32.632 | 24.415 | 1.023 |
| 10/11/2017 20:00 | 597600 | 70.581 | 17.328 | 158.99  | 40940.809 | 47970.297 | 31.444 | 32.62  | 24.426 | 1.023 |
| 10/11/2017 20:15 | 598500 | 70.568 | 17.327 | 158.961 | 40969.215 | 48004.793 | 31.469 | 32.643 | 24.409 | 1.023 |
| 10/11/2017 20:30 | 599400 | 70.565 | 17.332 | 158.955 | 40955.621 | 47982.875 | 31.454 | 32.628 | 24.417 | 1.023 |
| 10/11/2017 20:45 | 600300 | 70.559 | 17.321 | 158.94  | 40953.695 | 47993.082 | 31.46  | 32.635 | 24.418 | 1.023 |
| 10/11/2017 21:00 | 601200 | 70.544 | 17.333 | 158.907 | 40947.484 | 47973.066 | 31.446 | 32.622 | 24.422 | 1.023 |
| 10/11/2017 21:15 | 602100 | 70.531 | 17.332 | 158.878 | 40942.148 | 47967.277 | 31.442 | 32.618 | 24.425 | 1.023 |
| 10/11/2017 21:30 | 603000 | 70.526 | 17.325 | 158.866 | 40980.957 | 48020.059 | 31.48  | 32.654 | 24.402 | 1.023 |
| 10/11/2017 21:45 | 603900 | 70.508 | 17.333 | 158.826 | 40963.496 | 47990.883 | 31.46  | 32.634 | 24.412 | 1.023 |
| 10/11/2017 22:00 | 604800 | 70.508 | 17.325 | 158.827 | 40966.371 | 48003.824 | 31.468 | 32.643 | 24.41  | 1.023 |
| 10/11/2017 22:15 | 605700 | 70.493 | 17.327 | 158.793 | 40939.469 | 47969.105 | 31.443 | 32.619 | 24.426 | 1.023 |
| 10/11/2017 22:30 | 606600 | 70.495 | 17.328 | 158.796 | 40969.473 | 48003.883 | 31.469 | 32.643 | 24.408 | 1.023 |
| 10/11/2017 22:45 | 607500 | 70.478 | 17.326 | 158.758 | 40968.273 | 48004.445 | 31.469 | 32.643 | 24.409 | 1.023 |
| 10/11/2017 23:00 | 608400 | 70.477 | 17.33  | 158.756 | 40944.582 | 47972.383 | 31.446 | 32.621 | 24.423 | 1.023 |
| 10/11/2017 23:15 | 609300 | 70.461 | 17.328 | 158.72  | 40975.91  | 48010.965 | 31.474 | 32.647 | 24.405 | 1.023 |
| 10/11/2017 23:30 | 610200 | 70.452 | 17.327 | 158.699 | 40981.836 | 48019.773 | 31.48  | 32.653 | 24.401 | 1.023 |
| 10/11/2017 23:45 | 611100 | 70.451 | 17.317 | 158.699 | 40989.527 | 48038.84  | 31.494 | 32.666 | 24.396 | 1.023 |

Report Date: 10/13/2017 8:36  
Report User Name: WMassoll  
Report Computer Name: WKST52  
Application: WinSitu.exe  
Application Version: 5.6.27.1

Log File Properties

|             |                                                           |
|-------------|-----------------------------------------------------------|
| File Name   | MPWSP MW-85 LT Test_2017-10-12_14-10-50-434-BaroMerge.wsl |
| Create Date | 10/13/2017 8:31                                           |

|                   |                |        |  |                |
|-------------------|----------------|--------|--|----------------|
| Device Properties |                |        |  |                |
| Device            | Aqua TROLL 200 |        |  |                |
| Site              | MPWSP MW-85    |        |  |                |
| Device Name       |                |        |  |                |
| Serial Number     | 428966         |        |  |                |
| Firmware Version  | 2              |        |  |                |
| Hardware Version  | 3              |        |  |                |
| Device Address    | 1              |        |  |                |
| Device Comm Cfg   | 19200          | 8 Even |  | 1 (Modbus-RTU) |
| Used Memory       | 3              |        |  |                |
| Used Battery      | 2              |        |  |                |

|                   |                      |                                            |
|-------------------|----------------------|--------------------------------------------|
| Log Configuration | Log Name             | MPWSP MW-8S LT Test                        |
|                   | Created By           | KMakar                                     |
|                   | Computer Name        | PROBOOK10                                  |
|                   | Application          | WinStl.exe                                 |
|                   | Application Version  | 5.6.25.0                                   |
|                   | Create Date          | 1/15/2016 9:06:50 AM Pacific Standard Time |
|                   | Log Setup Time Zone  | Pacific Standard Time                      |
|                   | Notes Size(bytes)    | 4096                                       |
|                   | Overwrite when full  | Enabled                                    |
|                   | Scheduled Start Time | 1/15/2016 9:15:00 AM Pacific Standard Time |
|                   | Scheduled Stop Time  | No Stop Time                               |
|                   | Type                 | Linear                                     |
|                   | Interval             | Days: 0 hrs: 00 mins: 15 secs: 00          |

| Level Reference Settings At Log Creation |       |       |
|------------------------------------------|-------|-------|
| Level Measurement Mode                   | Depth |       |
| Specific Gravity                         |       | 1.012 |

| Other Log Settings           |                          |  |        |
|------------------------------|--------------------------|--|--------|
| Depth of Probe:              | 78.3792 (ft)             |  |        |
| Head Pressure:               | 34.3873 (PSI)            |  |        |
| Temperature:                 | 16.2281 (C)              |  |        |
| Specific Conductivity Model: | Standard Methods         |  |        |
|                              | Reference Temperature:   |  | 25     |
|                              | Temperature Coefficient: |  | 0.0191 |
| TDS Factor:                  | 0.68                     |  |        |

| Date            | Note                                    | Download                      | Used Memory | User Name | Interval                                                           | Start Time | Stop Time |
|-----------------|-----------------------------------------|-------------------------------|-------------|-----------|--------------------------------------------------------------------|------------|-----------|
| 1/15/2016 9:07  | Load Used Battery: 26% Used Memory: 6%  | User Name: kMakar             |             |           |                                                                    |            |           |
| 1/21/2016 9:00  | Load Used Battery: 26% Used Memory: 3%  | User Name: kMakar             |             |           |                                                                    |            |           |
| 1/28/2016 9:25  | Load Used Battery: 26% Used Memory: 3%  | User Name: kMakar Interval -  |             |           | Start Time: 1/18/2016 11:45:00 AM Stop Time: 1/28/2016 9:50:00 AM  |            |           |
| 2/4/2016 10:20  | Load Used Battery: 3% Used Memory: 4%   | User Name: Cshaw Interval -   |             |           | Start Time: 1/15/2016 9:15:00 AM Stop Time: 2/4/2016 10:15:00 AM   |            |           |
| 2/11/2016 10:08 | Load Used Battery: 3% Used Memory: 6%   | User Name: Cshaw Interval -   |             |           | Start Time: 2/2/2016 2:30:00 PM Stop Time: 2/11/2016 11:00:00 AM   |            |           |
| 2/18/2016 11:29 | Load Used Battery: 3% Used Memory: 6%   | User Name: Cshaw Interval -   |             |           | Start Time: 2/14/2016 3:00:00 AM Stop Time: 2/18/2016 12:00:00 PM  |            |           |
| 2/25/2016 10:53 | Load Used Battery: 4% Used Memory: 7%   | User Name: kMakar Interval -  |             |           | Start Time: 2/15/2016 5:30:00 PM Stop Time: 2/25/2016 10:45:00 AM  |            |           |
| 3/10/2016 1:27  | Load Used Battery: 4% Used Memory: 7%   | User Name: Skuiper Interval - |             |           | Start Time: 1/31/2016 1:50:00 AM Stop Time: 3/10/2016 1:45:00 PM   |            |           |
| 3/17/2016 14:40 | Load Used Battery: 5% Used Memory: 9%   | User Name: kMakar Interval -  |             |           | Start Time: 3/1/2016 10:00:00 PM Stop Time: 3/17/2016 14:30:00 PM  |            |           |
| 3/17/2016 12:40 | Load Used Battery: 5% Used Memory: 9%   | User Name: Skuiper Interval - |             |           | Start Time: 3/17/2016 12:00:01 AM Stop Time: 3/17/2016 13:00:00 PM |            |           |
| 3/24/2016 9:01  | Load Used Battery: 5% Used Memory: 10%  | User Name: kMakar Interval -  |             |           | Start Time: 3/15/2016 12:00:00 PM Stop Time: 3/24/2016 9:00:00 AM  |            |           |
| 3/31/2016 15:14 | Load Used Battery: 6% Used Memory: 10%  | User Name: Skuiper Interval - |             |           | Start Time: 3/22/2016 12:00:00 PM Stop Time: 3/31/2016 6:40:00 PM  |            |           |
| 4/7/2016 9:43   | Load Used Battery: 6% Used Memory: 12%  | User Name: kMakar Interval -  |             |           | Start Time: 4/29/2016 5:00:00 PM Stop Time: 4/7/2016 9:45:00 AM    |            |           |
| 4/14/2016 15:18 | Load Used Battery: 7% Used Memory: 14%  | User Name: kMakar Interval -  |             |           | Start Time: 4/5/2016 10:00:00 PM Stop Time: 4/14/2016 15:10:00 PM  |            |           |
| 4/21/2016 13:31 | Load Used Battery: 7% Used Memory: 14%  | User Name: Elundin Interval - |             |           | Start Time: 4/12/2016 13:00:00 PM Stop Time: 4/21/2016 2:30:00 PM  |            |           |
| 4/28/2016 8:25  | Load Used Battery: 7% Used Memory: 14%  | User Name: kMakar Interval -  |             |           | Start Time: 4/19/2016 5:00:00 PM Stop Time: 4/28/2016 8:15:00 AM   |            |           |
| 5/5/2016 9:32   | Load Used Battery: 7% Used Memory: 15%  | User Name: Skuiper Interval - |             |           | Start Time: 3/31/2016 12:00:00 PM Stop Time: 5/5/2016 10:15:00 AM  |            |           |
| 5/12/2016 10:18 | Load Used Battery: 8% Used Memory: 15%  | User Name: Skuiper Interval - |             |           | Start Time: 5/3/2016 12:00:00 PM Stop Time: 5/12/2016 10:15:00 AM  |            |           |
| 5/19/2016 14:12 | Load Used Battery: 8% Used Memory: 17%  | User Name: Elundin Interval - |             |           | Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 3:00:00 PM  |            |           |
| 5/26/2016 9:07  | Load Used Battery: 8% Used Memory: 17%  | User Name: Skuiper Interval - |             |           | Start Time: 5/17/2016 6:00:00 AM Stop Time: 5/26/2016 9:00:00 AM   |            |           |
| 6/2/2016 11:43  | Load Used Battery: 9% Used Memory: 18%  | User Name: Skuiper Interval - |             |           | Start Time: 4/30/2016 10:00:00 PM Stop Time: 6/2/2016 12:30:00 PM  |            |           |
| 6/9/2016 9:35   | Load Used Battery: 9% Used Memory: 18%  | User Name: Cshaw Interval -   |             |           | Start Time: 5/31/2016 00:00:00 AM Stop Time: 6/9/2016 10:30:00 AM  |            |           |
| 6/16/2016 11:18 | Load Used Battery: 9% Used Memory: 20%  | User Name: Skuiper Interval - |             |           | Start Time: 6/7/2016 10:30:00 PM Stop Time: 6/16/2016 11:15:00 AM  |            |           |
| 6/23/2016 10:12 | Load Used Battery: 10% Used Memory: 20% | User Name: Skuiper Interval - |             |           | Start Time: 6/15/2016 10:00:00 PM Stop Time: 6/23/2016 10:00:00 AM |            |           |
| 7/1/2016 11:51  | Load Used Battery: 10% Used Memory: 21% | User Name: Skuiper Interval - |             |           | Start Time: 5/31/2016 10:00:00 PM Stop Time: 7/1/2016 11:45:00 AM  |            |           |
| 7/8/2016 11:53  | Load Used Battery: 11% Used Memory: 21% | User Name: Skuiper Interval - |             |           | Start Time: 6/23/2016 10:00:00 PM Stop Time: 7/8/2016 11:45:00 AM  |            |           |
| 7/18/2016 11:56 | Load Used Battery: 11% Used Memory: 21% | User Name: Skuiper Interval - |             |           | Start Time: 6/29/2016 10:00:00 PM Stop Time: 7/18/2016 11:30:00 AM |            |           |
| 7/14/2016 18:00 | Load Used Battery: 11% Used Memory: 23% | User Name: Elundin Interval - |             |           | Start Time: 7/5/2016 12:00:00 PM Stop Time: 7/14/2016 7:00:00 PM   |            |           |
| 7/21/2016 11:13 | Load Used Battery: 11% Used Memory: 25% | User Name: Skuiper Interval - |             |           | Start Time: 7/13/2016 10:00:00 PM Stop Time: 7/21/2016 11:00:00 AM |            |           |
| 7/28/2016 18:19 | Load Used Battery: 12% Used Memory: 25% | User Name: Skuiper Interval - |             |           | Start Time: 7/20/2016 10:00:00 PM Stop Time: 7/28/2016 6:15:00 PM  |            |           |
| 8/4/2016 15:01  | Load Used Battery: 12% Used Memory: 26% | User Name: Skuiper Interval - |             |           | Start Time: 6/30/2016 10:00:00 PM Stop Time: 8/4/2016 3:45:00 PM   |            |           |
| 8/11/2016 10:51 | Load Used Battery: 12% Used Memory: 28% | User Name: Elundin Interval - |             |           | Start Time: 8/2/2016 10:00:00 AM Stop Time: 8/11/2016 11:00:00 AM  |            |           |
| 8/18/2016 15:48 | Load Used Battery: 13% Used Memory: 28% | User Name: Skuiper Interval - |             |           | Start Time: 8/10/2016 10:00:00 PM Stop Time: 8/18/2016 15:40:00 PM |            |           |
| 8/25/2016 12:33 | Load Used Battery: 13% Used Memory: 28% | User Name: Elundin Interval - |             |           | Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 13:         |            |           |

|              |                                      |
|--------------|--------------------------------------|
| Log Data:    |                                      |
| Record Count | 737                                  |
| Sensors      | 2                                    |
|              | 1                                    |
|              | 428966 PCTD 100 PSIA (60.1m/197.3ft) |
|              | 2                                    |
|              | 0 Baro-Adjustment Calc               |

| Date and Time  | Elapsed Time<br>Seconds | Sensor: PCTD(A) 197.3ft<br>SN#: 428966 | Sensor: PCTD(A) 197.3ft<br>SN#: 428966 | Sensor: PCTD(A) 197.3ft<br>SN#: 428966 | Sensor: PCTD(A) 197.3ft<br>SN#: 428966 | Sensor: PCTD(A) 197.3ft<br>SN#: 428966 | Sensor: PCTD(A) 197.3ft<br>SN#: 428966 | Sensor: PCTD(A) 197.3ft<br>SN#: 428966 | Sensor: PCTD(A) 197.3ft<br>SN#: 428966 | Sensor: PCTD(A) 197.3ft<br>SN#: 428966 | Sensor: Baro-Adj Calc<br>SN#: 000000 |        |
|----------------|-------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|--------------------------------------|--------|
|                |                         | Corrected<br>Pressure (PSI)            | Temperature (C)                        | Corrected<br>Depth (ft)                | Actual Conductivity (µS/cm)            | Specific Conductivity (µS/cm)          | Salinity (PSU)                         | Total Dissolved Solids (ppm)           | Resistivity (ohm-cm)                   | Water Density (g/cm3)                  | Barometric Pressure (PSI)            |        |
| 10/5/2017 0:00 |                         | 7200                                   | 19.657                                 | 16.099                                 | 44.805                                 | 696.24                                 | 838.86                                 | 0.415                                  | 570.425                                | 1436.286                               | 0.999                                | 14.751 |
| 10/5/2017 0:15 |                         | 8100                                   | 19.652                                 | 16.098                                 | 44.793                                 | 696.438                                | 839.102                                | 0.415                                  | 570.589                                | 1435.877                               | 0.999                                | 14.749 |
| 10/5/2017 0:30 |                         | 9000                                   | 19.656                                 | 16.099                                 | 44.801                                 | 696.314                                | 838.951                                | 0.415                                  | 570.49                                 | 1436.134                               | 0.999                                | 14.752 |
| 10/5/2017 0:45 |                         | 9900                                   | 19.663                                 | 16.099                                 | 44.819                                 | 696.335                                | 838.97                                 | 0.415                                  | 570.5                                  | 1436.091                               | 0.999                                | 14.745 |
| 10/5/2017 1:00 |                         | 10800                                  | 19.668                                 | 16.099                                 | 44.831                                 | 696.083                                | 838.667                                | 0.415                                  | 570.293                                | 1436.611                               | 0.999                                | 14.737 |
| 10/5/2017 1:15 |                         | 11700                                  | 19.66                                  | 16.099                                 | 44.81                                  | 696.488                                | 839.156                                | 0.415                                  | 570.626                                | 1435.775                               | 0.999                                | 14.744 |
| 10/5/2017 1:30 |                         | 12600                                  | 19.656                                 | 16.099                                 | 44.802                                 | 696.37                                 | 839.01                                 | 0.415                                  | 570.527                                | 1436.018                               | 0.999                                | 14.743 |
| 10/5/2017 1:45 |                         | 13500                                  | 19.656                                 | 16.098                                 | 44.803                                 | 696.292                                | 838.93                                 | 0.415                                  | 570.473                                | 1436.179                               | 0.999                                | 14.745 |
| 10/5/2017 2:00 |                         | 14400                                  | 19.662                                 | 16.098                                 | 44.816                                 | 696.431                                | 839.093                                | 0.415                                  | 570.583                                | 1435.893                               | 0.999                                | 14.742 |
| 10/5/2017 2:15 |                         | 15300                                  | 19.663                                 | 16.099                                 | 44.803                                 | 696.389                                | 839.037                                | 0.415                                  | 570.545                                | 1435.979                               | 0.999                                | 14.745 |
| 10/5/2017 2:30 |                         | 16200                                  | 19.663                                 | 16.099                                 | 44.817                                 | 696.312                                | 838.936                                | 0.415                                  | 570.477                                | 1436.137                               | 0.999                                | 14.746 |
| 10/5/2017 2:45 |                         | 17100                                  | 19.655                                 | 16.099                                 | 44.799                                 | 696.442                                | 839.096                                | 0.415                                  | 570.585                                | 1435.87                                | 0.999                                | 14.744 |
| 10/5/2017 3:00 |                         | 18000                                  | 19.661                                 | 16.099                                 | 44.814                                 | 696.319                                | 838.94                                 | 0.415                                  | 570.479                                | 1436.123                               | 0.999                                | 14.739 |
| 10/5/2017 3:15 |                         | 18900                                  | 19.656                                 | 16.1                                   | 44.801                                 | 696.429                                | 839.069                                | 0.415                                  | 570.567                                | 1435.896                               | 0.999                                | 14.748 |
| 10/5/2017 3:30 |                         | 19800                                  | 19.661                                 | 16.099                                 | 44.813                                 | 696.275                                | 838.904                                | 0.415                                  | 570.454                                | 1436.214                               | 0.999                                | 14.738 |
| 10/5/2017 3:45 |                         | 20700                                  | 19.662                                 | 16.099                                 | 44.816                                 | 696.356                                | 838.99                                 | 0.415                                  | 570.513                                | 1436.048                               | 0.999                                | 14.739 |
| 10/5/2017 4:00 |                         | 21600                                  | 19.661                                 | 16.098                                 | 44.814                                 | 696.332                                | 838.976                                | 0.415                                  | 570.504                                | 1436.096                               | 0.999                                | 14.739 |
| 10/5/2017 4:15 |                         | 22500                                  | 19.659                                 | 16.098                                 | 44.809                                 | 696.382                                | 839.037                                | 0.415                                  | 570.545                                | 1435.994                               | 0.999                                | 14.74  |
| 10/5/2017 4:30 |                         | 23400                                  | 19.663                                 | 16.098                                 | 44.819                                 | 696.4                                  | 839.056                                | 0.415                                  | 570.558                                | 1435.956                               | 0.999                                | 14.737 |
| 10/5/2017 4:45 |                         | 24300                                  | 19.659                                 | 16.099                                 | 44.81                                  | 696.486                                | 839.152                                | 0.415                                  | 570.623                                | 1435.78                                | 0.999                                | 14.739 |
| 10/5/2017 5:00 |                         | 25200                                  | 19.666                                 | 16.099                                 | 44.824                                 | 696.476                                | 839.146                                | 0.415                                  | 570.619                                | 1435.799                               | 0.999                                | 14.736 |
| 10/5/2017 5:15 |                         | 26100                                  | 19.657                                 | 16.099                                 | 44.804                                 | 696.517                                | 839.192                                | 0.415                                  | 570.651                                | 1435.714                               | 0.999                                | 14.741 |
| 10/5/2017 5:30 |                         | 27000                                  | 19.67                                  | 16.099                                 | 44.833                                 | 696.285                                | 838.914                                | 0.415                                  | 570.462                                | 1436.193                               | 0.999                                | 14.734 |
| 10/5/2017 5:45 |                         | 27900                                  | 19.664                                 | 16.099                                 | 44.82                                  | 696.526                                | 839.129                                | 0.415                                  | 570.655                                | 1435.697                               | 0.999                                | 14.74  |
| 10/5/2017 6:00 |                         | 28800                                  | 19.662                                 | 16.09                                  |                                        |                                        |                                        |                                        |                                        |                                        |                                      |        |

|                 |        |        |        |        |         |         |       |         |          |       |        |
|-----------------|--------|--------|--------|--------|---------|---------|-------|---------|----------|-------|--------|
| 10/5/2017 17:30 | 70200  | 19.67  | 16.098 | 44.834 | 696.144 | 838.749 | 0.415 | 570.349 | 1436.484 | 0.999 | 14.704 |
| 10/5/2017 17:45 | 71100  | 19.672 | 16.099 | 44.839 | 696.246 | 838.869 | 0.415 | 570.431 | 1436.274 | 0.999 | 14.703 |
| 10/5/2017 18:00 | 72000  | 19.672 | 16.099 | 44.838 | 696.136 | 838.736 | 0.415 | 570.34  | 1436.501 | 0.999 | 14.706 |
| 10/5/2017 18:15 | 72900  | 19.674 | 16.099 | 44.843 | 696.114 | 838.71  | 0.415 | 570.323 | 1436.546 | 0.999 | 14.7   |
| 10/5/2017 18:30 | 73800  | 19.664 | 16.099 | 44.821 | 696.12  | 838.716 | 0.415 | 570.327 | 1436.534 | 0.999 | 14.704 |
| 10/5/2017 18:45 | 74700  | 19.673 | 16.099 | 44.841 | 696.365 | 839.011 | 0.415 | 570.527 | 1436.028 | 0.999 | 14.704 |
| 10/5/2017 19:00 | 75600  | 19.676 | 16.099 | 44.847 | 696.069 | 838.642 | 0.415 | 570.76  | 1436.639 | 0.999 | 14.7   |
| 10/5/2017 19:15 | 76500  | 19.675 | 16.099 | 44.846 | 696.145 | 838.733 | 0.415 | 570.339 | 1436.483 | 0.999 | 14.704 |
| 10/5/2017 19:30 | 77400  | 19.677 | 16.099 | 44.849 | 696.203 | 838.815 | 0.415 | 570.394 | 1436.364 | 0.999 | 14.701 |
| 10/5/2017 19:45 | 78300  | 19.665 | 16.099 | 44.823 | 696.167 | 838.773 | 0.415 | 570.365 | 1436.438 | 0.999 | 14.709 |
| 10/5/2017 20:00 | 79200  | 19.674 | 16.099 | 44.844 | 696.207 | 838.818 | 0.415 | 570.396 | 1436.355 | 0.999 | 14.705 |
| 10/5/2017 20:15 | 80100  | 19.676 | 16.098 | 44.847 | 696.346 | 838.992 | 0.415 | 570.515 | 1436.068 | 0.999 | 14.708 |
| 10/5/2017 20:30 | 81000  | 19.667 | 16.099 | 44.827 | 696.065 | 838.649 | 0.415 | 570.282 | 1436.647 | 0.999 | 14.714 |
| 10/5/2017 20:45 | 81900  | 19.668 | 16.099 | 44.829 | 696.265 | 838.892 | 0.415 | 570.446 | 1436.234 | 0.999 | 14.71  |
| 10/5/2017 21:00 | 82800  | 19.668 | 16.099 | 44.829 | 696.346 | 838.977 | 0.415 | 570.505 | 1436.067 | 0.999 | 14.717 |
| 10/5/2017 21:15 | 83700  | 19.671 | 16.099 | 44.836 | 696.189 | 838.788 | 0.415 | 570.376 | 1436.391 | 0.999 | 14.718 |
| 10/5/2017 21:30 | 84600  | 19.677 | 16.099 | 44.849 | 696.366 | 839.009 | 0.415 | 570.526 | 1436.027 | 0.999 | 14.717 |
| 10/5/2017 21:45 | 85500  | 19.666 | 16.099 | 44.824 | 696.134 | 838.733 | 0.415 | 570.339 | 1436.506 | 0.999 | 14.719 |
| 10/5/2017 22:00 | 86400  | 19.675 | 16.099 | 44.846 | 696.323 | 838.953 | 0.415 | 570.488 | 1436.115 | 0.999 | 14.718 |
| 10/5/2017 22:15 | 87300  | 19.679 | 16.099 | 44.853 | 696.388 | 839.022 | 0.415 | 570.535 | 1435.982 | 0.999 | 14.715 |
| 10/5/2017 22:30 | 88200  | 19.678 | 16.099 | 44.852 | 696.095 | 838.677 | 0.415 | 570.3   | 1436.585 | 0.999 | 14.721 |
| 10/5/2017 22:45 | 89100  | 19.671 | 16.099 | 44.835 | 696.395 | 839.041 | 0.415 | 570.548 | 1435.967 | 0.999 | 14.724 |
| 10/5/2017 23:00 | 90000  | 19.666 | 16.099 | 44.824 | 696.332 | 838.96  | 0.415 | 570.493 | 1436.096 | 0.999 | 14.724 |
| 10/5/2017 23:15 | 90900  | 19.667 | 16.1   | 44.827 | 696.284 | 838.896 | 0.415 | 570.449 | 1436.196 | 0.999 | 14.726 |
| 10/5/2017 23:30 | 91800  | 19.678 | 16.099 | 44.851 | 696.371 | 839.007 | 0.415 | 570.525 | 1436.016 | 0.999 | 14.719 |
| 10/5/2017 23:45 | 92700  | 19.668 | 16.099 | 44.83  | 696.252 | 838.859 | 0.415 | 570.424 | 1436.261 | 0.999 | 14.727 |
| 10/6/2017 0:00  | 93600  | 19.667 | 16.1   | 44.827 | 696.346 | 838.963 | 0.415 | 570.495 | 1436.068 | 0.999 | 14.726 |
| 10/6/2017 0:15  | 94500  | 19.683 | 16.1   | 44.863 | 696.129 | 838.703 | 0.415 | 570.318 | 1436.514 | 0.999 | 14.724 |
| 10/6/2017 0:30  | 95400  | 19.664 | 16.099 | 44.821 | 696.333 | 838.962 | 0.415 | 570.494 | 1436.094 | 0.999 | 14.729 |
| 10/6/2017 0:45  | 96300  | 19.669 | 16.1   | 44.832 | 696.221 | 838.82  | 0.415 | 570.397 | 1436.326 | 0.999 | 14.725 |
| 10/6/2017 1:00  | 97200  | 19.665 | 16.099 | 44.822 | 696.265 | 838.879 | 0.415 | 570.438 | 1436.235 | 0.999 | 14.727 |
| 10/6/2017 1:15  | 98100  | 19.673 | 16.1   | 44.841 | 696.363 | 838.991 | 0.415 | 570.514 | 1436.033 | 0.999 | 14.722 |
| 10/6/2017 1:30  | 99000  | 19.671 | 16.099 | 44.837 | 696.351 | 838.978 | 0.415 | 570.505 | 1436.057 | 0.999 | 14.725 |
| 10/6/2017 1:45  | 99900  | 19.671 | 16.099 | 44.837 | 696.338 | 838.964 | 0.415 | 570.496 | 1436.084 | 0.999 | 14.729 |
| 10/6/2017 2:00  | 100800 | 19.676 | 16.099 | 44.847 | 696.197 | 838.803 | 0.415 | 570.386 | 1436.375 | 0.999 | 14.729 |
| 10/6/2017 2:15  | 101700 | 19.667 | 16.099 | 44.827 | 696.401 | 839.042 | 0.415 | 570.549 | 1435.954 | 0.999 | 14.73  |
| 10/6/2017 2:30  | 102600 | 19.668 | 16.099 | 44.829 | 696.328 | 839.003 | 0.415 | 570.458 | 1435.692 | 0.999 | 14.728 |
| 10/6/2017 2:45  | 103500 | 19.675 | 16.1   | 44.846 | 696.419 | 839.056 | 0.415 | 570.558 | 1435.917 | 0.999 | 14.727 |
| 10/6/2017 3:00  | 104400 | 19.663 | 16.1   | 44.818 | 696.17  | 838.757 | 0.415 | 570.355 | 1436.43  | 0.999 | 14.73  |
| 10/6/2017 3:15  | 105300 | 19.67  | 16.099 | 44.834 | 696.206 | 838.808 | 0.415 | 570.39  | 1436.357 | 0.999 | 14.724 |
| 10/6/2017 3:30  | 106200 | 19.668 | 16.099 | 44.829 | 696.422 | 839.069 | 0.415 | 570.567 | 1435.91  | 0.999 | 14.73  |
| 10/6/2017 3:45  | 107100 | 19.669 | 16.099 | 44.832 | 696.317 | 838.944 | 0.415 | 570.482 | 1436.127 | 0.999 | 14.726 |
| 10/6/2017 4:00  | 108000 | 19.675 | 16.099 | 44.844 | 696.271 | 838.889 | 0.415 | 570.445 | 1436.222 | 0.999 | 14.722 |
| 10/6/2017 4:15  | 108900 | 19.67  | 16.099 | 44.834 | 696.471 | 839.133 | 0.415 | 570.61  | 1435.81  | 0.999 | 14.726 |
| 10/6/2017 4:30  | 109800 | 19.672 | 16.099 | 44.838 | 696.179 | 838.783 | 0.415 | 570.372 | 1436.412 | 0.999 | 14.727 |
| 10/6/2017 4:45  | 110700 | 19.674 | 16.099 | 44.844 | 696.511 | 839.186 | 0.415 | 570.646 | 1435.728 | 0.999 | 14.728 |
| 10/6/2017 5:00  | 111600 | 19.671 | 16.099 | 44.836 | 696.468 | 839.129 | 0.415 | 570.607 | 1435.817 | 0.999 | 14.726 |
| 10/6/2017 5:15  | 112500 | 19.667 | 16.099 | 44.828 | 696.422 | 839.07  | 0.415 | 570.568 | 1435.912 | 0.999 | 14.726 |
| 10/6/2017 5:30  | 113400 | 19.671 | 16.1   | 44.836 | 696.432 | 839.07  | 0.415 | 570.568 | 1435.891 | 0.999 | 14.731 |
| 10/6/2017 5:45  | 114300 | 19.677 | 16.1   | 44.851 | 696.43  | 839.063 | 0.415 | 570.563 | 1435.894 | 0.999 | 14.724 |
| 10/6/2017 6:00  | 115200 | 19.671 | 16.099 | 44.837 | 696.456 | 839.113 | 0.415 | 570.597 | 1435.841 | 0.999 | 14.724 |
| 10/6/2017 6:15  | 116100 | 19.674 | 16.1   | 44.842 | 696.525 | 839.184 | 0.415 | 570.645 | 1435.699 | 0.999 | 14.726 |
| 10/6/2017 6:30  | 117000 | 19.667 | 16.1   | 44.827 | 696.367 | 838.996 | 0.415 | 570.517 | 1436.024 | 0.999 | 14.732 |
| 10/6/2017 6:45  | 117900 | 19.673 | 16.1   | 44.84  | 696.413 | 839.051 | 0.415 | 570.555 | 1435.929 | 0.999 | 14.733 |
| 10/6/2017 7:00  | 118800 | 19.67  | 16.1   | 44.834 | 696.388 | 839.019 | 0.415 | 570.533 | 1435.981 | 0.999 | 14.731 |
| 10/6/2017 7:15  | 119700 | 19.679 | 16.1   | 44.853 | 696.403 | 839.037 | 0.415 | 570.545 | 1435.951 | 0.999 | 14.732 |
| 10/6/2017 7:30  | 120600 | 19.673 | 16.099 | 44.84  | 696.51  | 839.169 | 0.415 | 570.635 | 1435.73  | 0.999 | 14.736 |
| 10/6/2017 7:45  | 121500 | 19.675 | 16.099 | 44.847 | 696.367 | 839.001 | 0.415 | 570.521 | 1436.024 | 0.999 | 14.732 |
| 10/6/2017 8:00  | 122400 | 19.675 | 16.099 | 44.845 | 696.493 | 839.149 | 0.415 | 570.621 | 1435.766 | 0.999 | 14.736 |
| 10/6/2017 8:15  | 123300 | 19.667 | 16.099 | 44.828 | 696.536 | 839.208 | 0.415 | 570.661 | 1435.667 | 0.999 | 14.744 |
| 10/6/2017 8:30  | 124200 | 19.678 | 16.1   | 44.853 | 696.431 | 839.073 | 0.415 | 570.57  | 1435.892 | 0.999 | 14.736 |
| 10/6/2017 8:45  | 125100 | 19.676 | 16.1   | 44.847 | 696.502 | 839.155 | 0.415 | 570.625 | 1435.746 | 0.999 | 14.741 |
| 10/6/2017 9:00  | 126000 | 19.667 | 16.1   | 44.828 | 696.618 | 839.297 | 0.415 | 570.722 | 1435.506 | 0.999 | 14.753 |
| 10/6/2017 9:15  | 126900 | 19.669 | 16.1   | 44.833 | 696.501 | 839.155 | 0.415 | 570.626 | 1435.748 | 0.999 | 14.743 |
| 10/6/2017 9:30  | 127800 | 19.659 | 16.099 | 44.809 | 696.408 | 839.046 | 0.415 | 570.551 | 1435.941 | 0.999 | 14.751 |
| 10/6/2017 9:45  | 128700 | 19.673 | 16.099 | 44.84  | 696.532 | 839.196 | 0.415 | 570.653 | 1435.685 | 0.999 | 14.744 |
| 10/6/2017 10:00 | 129600 | 19.66  | 16.1   | 44.811 | 696.5   | 839.149 | 0.415 | 570.621 | 1435.75  | 0.999 | 14.752 |
| 10/6/2017 10:15 | 130500 | 19.669 | 16.1   | 44.831 | 696.539 | 839.239 | 0.415 | 570.655 | 1435.67  | 0.999 | 14.75  |
| 10/6/2017 10:30 | 131400 | 19.668 | 16.099 | 44.829 | 696.457 | 839.109 | 0.415 | 570.594 | 1435.839 | 0.999 | 14.75  |
| 10/6/2017 10:45 | 132300 | 19.664 | 16.1   | 44.821 | 696.517 | 839.168 | 0.415 | 570.634 | 1435.715 | 0.999 | 14.747 |
| 10/6/2017 11:00 | 133200 | 19.682 | 16.099 | 44.862 | 696.499 | 839.161 | 0.415 | 570.63  | 1435.752 | 0.999 | 14.739 |
| 10/6/2017 11:15 | 134100 | 19.667 | 16.099 | 44.827 | 696.465 | 839.12  | 0.415 | 570.602 | 1435.823 | 0.999 | 14.739 |
| 10/6/2017 11:30 | 135000 | 19.665 | 16.099 | 44.823 | 696.552 | 839.235 | 0.415 | 570.68  | 1435.644 | 0.999 | 14.74  |
| 10/6/2017 11:45 | 135900 | 19.676 | 16.099 | 44.848 | 696.281 | 838.948 | 0.415 | 570.452 | 1435.202 | 0.999 | 14.737 |
| 10/6/2017 12:00 | 136800 | 19.672 | 16.099 | 44.839 | 696.553 | 839.229 | 0.415 | 570.676 | 1435.642 | 0.999 | 14.737 |
| 10/6/2017 12:15 | 137700 | 19.675 | 16.099 | 44.845 | 696.406 | 839.051 | 0.415 | 570.555 | 1435.943 | 0.999 | 14.73  |
| 10/6/2017 12:30 | 138600 | 19.67  | 16.099 | 44.833 | 696.464 | 839.128 | 0.415 | 570.607 | 1435.823 | 0.999 | 14.739 |
| 10/6/2017 12:45 | 139500 | 19.666 | 16.099 | 44.824 | 696.481 | 839.145 | 0.415 | 570.619 | 1435.789 | 0.999 | 14.735 |
| 10/6/2017 13:00 | 140400 | 19.665 | 16.098 | 44.822 | 696.49  | 839.164 | 0.415 | 570.631 | 1435.772 | 0.999 | 14.734 |
| 10/6/2017 13:15 | 141300 | 19.675 | 16.099 | 44.846 | 696.461 | 839.112 | 0.415 | 570.596 | 1435.831 | 0.999 | 14.722 |
| 10/6/2017 13:30 | 142200 | 19.67  | 16.099 | 44.834 | 696.419 | 839.071 | 0.415 | 570.568 | 1435.916 | 0.999 | 14.725 |
| 10/6/2017 13:45 | 143100 | 19.662 | 16.099 | 44.816 | 696.449 | 839.102 | 0.415 | 570.589 | 1435.854 | 0.999 | 14.726 |
| 10/6/2017 14:00 | 144000 | 19.673 | 16.099 | 44.84  | 696.437 | 839.088 | 0.415 | 570.58  | 1435.88  | 0.999 | 14.717 |
| 10/6/2017 14:15 | 144900 | 19.681 | 16.099 | 44.859 | 696.403 | 839.054 | 0.415 | 570.557 | 1435.951 | 0.999 | 14.715 |
| 10/6/2017 14:30 | 145800 | 19.666 | 16.099 | 44.826 | 696.397 | 839.047 | 0.41  |         |          |       |        |

|                 |        |        |        |        |         |         |       |         |          |       |        |
|-----------------|--------|--------|--------|--------|---------|---------|-------|---------|----------|-------|--------|
| 10/7/2017 22:15 | 260100 | 19.691 | 16.099 | 44.883 | 696.758 | 839.469 | 0.415 | 570.839 | 1435.218 | 0.999 | 14.647 |
| 10/7/2017 22:30 | 261000 | 19.679 | 16.099 | 44.854 | 696.79  | 839.508 | 0.415 | 570.865 | 1435.152 | 0.999 | 14.661 |
| 10/7/2017 22:45 | 261900 | 19.685 | 16.099 | 44.868 | 696.724 | 839.43  | 0.415 | 570.812 | 1435.288 | 0.999 | 14.655 |
| 10/7/2017 23:00 | 262800 | 19.688 | 16.1   | 44.875 | 696.71  | 839.404 | 0.415 | 570.794 | 1435.318 | 0.999 | 14.652 |
| 10/7/2017 23:15 | 263700 | 19.7   | 16.1   | 44.903 | 696.753 | 839.454 | 0.415 | 570.829 | 1435.229 | 0.999 | 14.65  |
| 10/7/2017 23:30 | 264600 | 19.697 | 16.1   | 44.895 | 696.849 | 839.573 | 0.415 | 570.809 | 1435.032 | 0.999 | 14.641 |
| 10/7/2017 23:45 | 265500 | 19.697 | 16.1   | 44.899 | 696.749 | 839.451 | 0.415 | 570.827 | 1435.236 | 0.999 | 14.645 |
| 10/8/2017 0:00  | 266400 | 19.689 | 16.099 | 44.878 | 696.791 | 839.509 | 0.415 | 570.866 | 1435.15  | 0.999 | 14.648 |
| 10/8/2017 0:15  | 267300 | 19.686 | 16.1   | 44.87  | 696.694 | 839.386 | 0.415 | 570.783 | 1435.351 | 0.999 | 14.649 |
| 10/8/2017 0:30  | 268200 | 19.693 | 16.099 | 44.885 | 696.82  | 839.543 | 0.415 | 570.89  | 1435.09  | 0.999 | 14.647 |
| 10/8/2017 0:45  | 269100 | 19.697 | 16.099 | 44.896 | 696.724 | 839.43  | 0.415 | 570.813 | 1435.289 | 0.999 | 14.645 |
| 10/8/2017 1:00  | 270000 | 19.693 | 16.099 | 44.885 | 696.716 | 839.419 | 0.415 | 570.805 | 1435.306 | 0.999 | 14.641 |
| 10/8/2017 1:15  | 270900 | 19.704 | 16.099 | 44.914 | 696.734 | 839.441 | 0.415 | 570.82  | 1435.268 | 0.999 | 14.637 |
| 10/8/2017 1:30  | 271800 | 19.685 | 16.099 | 44.869 | 696.747 | 839.457 | 0.415 | 570.831 | 1435.241 | 0.999 | 14.651 |
| 10/8/2017 1:45  | 272700 | 19.698 | 16.099 | 44.897 | 696.747 | 839.461 | 0.415 | 570.834 | 1435.242 | 0.999 | 14.645 |
| 10/8/2017 2:00  | 273600 | 19.694 | 16.099 | 44.889 | 696.79  | 839.509 | 0.415 | 570.866 | 1435.152 | 0.999 | 14.642 |
| 10/8/2017 2:15  | 274500 | 19.697 | 16.099 | 44.896 | 696.633 | 839.319 | 0.415 | 570.737 | 1435.477 | 0.999 | 14.646 |
| 10/8/2017 2:30  | 275400 | 19.694 | 16.099 | 44.888 | 696.796 | 839.523 | 0.415 | 570.875 | 1435.14  | 0.999 | 14.644 |
| 10/8/2017 2:45  | 276300 | 19.699 | 16.099 | 44.901 | 696.857 | 839.594 | 0.415 | 570.904 | 1435.015 | 0.999 | 14.637 |
| 10/8/2017 3:00  | 277200 | 19.694 | 16.099 | 44.888 | 696.757 | 839.469 | 0.415 | 570.839 | 1435.22  | 0.999 | 14.642 |
| 10/8/2017 3:15  | 278100 | 19.689 | 16.099 | 44.878 | 696.706 | 839.407 | 0.415 | 570.797 | 1435.326 | 0.999 | 14.641 |
| 10/8/2017 3:30  | 279000 | 19.698 | 16.1   | 44.897 | 696.733 | 839.426 | 0.415 | 570.81  | 1435.271 | 0.999 | 14.639 |
| 10/8/2017 3:45  | 279900 | 19.695 | 16.099 | 44.89  | 696.849 | 839.579 | 0.415 | 570.913 | 1435.03  | 0.999 | 14.634 |
| 10/8/2017 4:00  | 280800 | 19.699 | 16.099 | 44.901 | 696.708 | 839.415 | 0.415 | 570.802 | 1435.321 | 0.999 | 14.63  |
| 10/8/2017 4:15  | 281700 | 19.698 | 16.099 | 44.899 | 696.827 | 839.563 | 0.415 | 570.903 | 1435.077 | 0.999 | 14.63  |
| 10/8/2017 4:30  | 282600 | 19.698 | 16.099 | 44.897 | 696.675 | 839.379 | 0.415 | 570.777 | 1435.39  | 0.999 | 14.633 |
| 10/8/2017 4:45  | 283500 | 19.697 | 16.1   | 44.896 | 696.739 | 839.442 | 0.415 | 570.821 | 1435.257 | 0.999 | 14.633 |
| 10/8/2017 5:00  | 284400 | 19.694 | 16.099 | 44.889 | 696.808 | 839.537 | 0.415 | 570.885 | 1435.116 | 0.999 | 14.629 |
| 10/8/2017 5:15  | 285300 | 19.703 | 16.099 | 44.909 | 696.845 | 839.573 | 0.415 | 570.91  | 1435.039 | 0.999 | 14.624 |
| 10/8/2017 5:30  | 286200 | 19.696 | 16.1   | 44.893 | 696.813 | 839.53  | 0.415 | 570.88  | 1435.106 | 0.999 | 14.632 |
| 10/8/2017 5:45  | 287100 | 19.695 | 16.1   | 44.892 | 696.765 | 839.467 | 0.415 | 570.838 | 1435.203 | 0.999 | 14.627 |
| 10/8/2017 6:00  | 288000 | 19.696 | 16.099 | 44.894 | 696.837 | 839.567 | 0.415 | 570.906 | 1435.055 | 0.999 | 14.631 |
| 10/8/2017 6:15  | 288900 | 19.69  | 16.099 | 44.879 | 696.719 | 839.433 | 0.415 | 570.814 | 1435.3   | 0.999 | 14.637 |
| 10/8/2017 6:30  | 289800 | 19.699 | 16.099 | 44.901 | 696.743 | 839.462 | 0.415 | 570.835 | 1435.249 | 0.999 | 14.631 |
| 10/8/2017 6:45  | 290700 | 19.689 | 16.099 | 44.877 | 696.819 | 839.545 | 0.415 | 570.891 | 1435.094 | 0.999 | 14.636 |
| 10/8/2017 7:00  | 291600 | 19.695 | 16.099 | 44.892 | 696.933 | 839.688 | 0.415 | 570.988 | 1434.857 | 0.999 | 14.637 |
| 10/8/2017 7:15  | 292500 | 19.692 | 16.099 | 44.884 | 696.918 | 839.641 | 0.415 | 570.888 | 1435.094 | 0.999 | 14.633 |
| 10/8/2017 7:30  | 293400 | 19.699 | 16.099 | 44.901 | 696.939 | 839.686 | 0.415 | 570.987 | 1434.846 | 0.999 | 14.631 |
| 10/8/2017 7:45  | 294300 | 19.696 | 16.099 | 44.894 | 696.896 | 839.638 | 0.415 | 570.954 | 1434.935 | 0.999 | 14.636 |
| 10/8/2017 8:00  | 295200 | 19.693 | 16.1   | 44.887 | 696.844 | 839.559 | 0.415 | 570.9   | 1435.041 | 0.999 | 14.634 |
| 10/8/2017 8:15  | 296100 | 19.699 | 16.1   | 44.899 | 696.929 | 839.665 | 0.415 | 570.973 | 1434.867 | 0.999 | 14.632 |
| 10/8/2017 8:30  | 297000 | 19.689 | 16.1   | 44.878 | 696.906 | 839.644 | 0.415 | 570.958 | 1434.913 | 0.999 | 14.639 |
| 10/8/2017 8:45  | 297900 | 19.695 | 16.1   | 44.892 | 696.835 | 839.549 | 0.415 | 570.893 | 1435.061 | 0.999 | 14.64  |
| 10/8/2017 9:00  | 298800 | 19.694 | 16.1   | 44.889 | 697.002 | 839.759 | 0.415 | 571.036 | 1434.716 | 0.999 | 14.639 |
| 10/8/2017 9:15  | 299700 | 19.692 | 16.099 | 44.884 | 696.974 | 839.73  | 0.415 | 571.016 | 1434.775 | 0.999 | 14.64  |
| 10/8/2017 9:30  | 300600 | 19.697 | 16.1   | 44.896 | 696.916 | 839.657 | 0.415 | 570.967 | 1434.892 | 0.999 | 14.639 |
| 10/8/2017 9:45  | 301500 | 19.696 | 16.1   | 44.892 | 696.893 | 839.613 | 0.415 | 570.937 | 1434.94  | 0.999 | 14.644 |
| 10/8/2017 10:00 | 302400 | 19.693 | 16.1   | 44.887 | 696.96  | 839.699 | 0.415 | 570.996 | 1434.803 | 0.999 | 14.636 |
| 10/8/2017 10:15 | 303300 | 19.699 | 16.099 | 44.899 | 696.956 | 839.721 | 0.415 | 571.028 | 1434.812 | 0.999 | 14.637 |
| 10/8/2017 10:30 | 304200 | 19.698 | 16.1   | 44.898 | 697.008 | 839.768 | 0.415 | 571.042 | 1434.704 | 0.999 | 14.629 |
| 10/8/2017 10:45 | 305100 | 19.698 | 16.1   | 44.897 | 697.062 | 839.833 | 0.415 | 571.086 | 1434.593 | 0.999 | 14.631 |
| 10/8/2017 11:00 | 306000 | 19.691 | 16.099 | 44.881 | 696.989 | 839.747 | 0.415 | 571.028 | 1434.743 | 0.999 | 14.635 |
| 10/8/2017 11:15 | 306900 | 19.707 | 16.1   | 44.919 | 696.975 | 839.728 | 0.415 | 571.015 | 1434.771 | 0.999 | 14.627 |
| 10/8/2017 11:30 | 307800 | 19.7   | 16.099 | 44.903 | 697.054 | 839.828 | 0.415 | 571.083 | 1434.609 | 0.999 | 14.63  |
| 10/8/2017 11:45 | 308700 | 19.698 | 16.1   | 44.898 | 696.856 | 839.582 | 0.415 | 570.916 | 1435.016 | 0.999 | 14.63  |
| 10/8/2017 12:00 | 309600 | 19.692 | 16.099 | 44.883 | 697.081 | 839.858 | 0.415 | 571.103 | 1434.553 | 0.999 | 14.626 |
| 10/8/2017 12:15 | 310500 | 19.694 | 16.101 | 44.888 | 697.08  | 839.835 | 0.415 | 571.088 | 1434.555 | 0.999 | 14.625 |
| 10/8/2017 12:30 | 311400 | 19.692 | 16.1   | 44.885 | 696.855 | 839.573 | 0.415 | 570.91  | 1435.018 | 0.999 | 14.63  |
| 10/8/2017 12:45 | 312300 | 19.694 | 16.1   | 44.888 | 697.011 | 839.761 | 0.415 | 571.037 | 1434.698 | 0.999 | 14.628 |
| 10/8/2017 13:00 | 313200 | 19.689 | 16.1   | 44.877 | 696.989 | 839.729 | 0.415 | 571.016 | 1434.744 | 0.999 | 14.629 |
| 10/8/2017 13:15 | 314100 | 19.708 | 16.1   | 44.921 | 696.935 | 839.667 | 0.415 | 570.973 | 1434.853 | 0.999 | 14.623 |
| 10/8/2017 13:30 | 315000 | 19.697 | 16.1   | 44.896 | 696.979 | 839.717 | 0.415 | 571.008 | 1434.764 | 0.999 | 14.63  |
| 10/8/2017 13:45 | 315900 | 19.706 | 16.1   | 44.916 | 696.947 | 839.679 | 0.415 | 570.982 | 1434.829 | 0.999 | 14.613 |
| 10/8/2017 14:00 | 316800 | 19.689 | 16.1   | 44.878 | 697.025 | 839.778 | 0.415 | 571.049 | 1434.669 | 0.999 | 14.623 |
| 10/8/2017 14:15 | 317700 | 19.696 | 16.1   | 44.894 | 696.998 | 839.752 | 0.415 | 571.031 | 1434.725 | 0.999 | 14.619 |
| 10/8/2017 14:30 | 318600 | 19.7   | 16.1   | 44.902 | 696.87  | 839.596 | 0.415 | 570.926 | 1434.988 | 0.999 | 14.617 |
| 10/8/2017 14:45 | 319500 | 19.696 | 16.1   | 44.894 | 696.971 | 839.707 | 0.415 | 571.001 | 1434.781 | 0.999 | 14.613 |
| 10/8/2017 15:00 | 320400 | 19.701 | 16.1   | 44.905 | 696.856 | 839.593 | 0.415 | 570.913 | 1435.016 | 0.999 | 14.61  |
| 10/8/2017 15:15 | 321300 | 19.704 | 16.099 | 44.91  | 696.916 | 839.664 | 0.415 | 570.972 | 1434.892 | 0.999 | 14.617 |
| 10/8/2017 15:30 | 322200 | 19.692 | 16.1   | 44.884 | 696.812 | 839.521 | 0.415 | 570.874 | 1435.108 | 0.999 | 14.613 |
| 10/8/2017 15:45 | 323100 | 19.699 | 16.099 | 44.9   | 696.995 | 839.754 | 0.415 | 571.033 | 1434.73  | 0.999 | 14.608 |
| 10/8/2017 16:00 | 324000 | 19.705 | 16.1   | 44.914 | 696.912 | 839.652 | 0.415 | 570.963 | 1434.902 | 0.999 | 14.608 |
| 10/8/2017 16:15 | 324900 | 19.701 | 16.099 | 44.905 | 696.956 | 839.711 | 0.415 | 571.003 | 1434.81  | 0.999 | 14.611 |
| 10/8/2017 16:30 | 325800 | 19.704 | 16.1   | 44.912 | 696.865 | 839.594 | 0.415 | 570.924 | 1434.998 | 0.999 | 14.607 |
| 10/8/2017 16:45 | 326700 | 19.695 | 16.099 | 44.89  | 696.917 | 839.668 | 0.415 | 570.974 | 1434.892 | 0.999 | 14.611 |
| 10/8/2017 17:00 | 327600 | 19.695 | 16.099 | 44.891 | 696.883 | 839.622 | 0.415 | 570.943 | 1434.962 | 0.999 | 14.611 |
| 10/8/2017 17:15 | 328500 | 19.701 | 16.099 | 44.905 | 696.885 | 839.626 | 0.415 | 570.946 | 1434.957 | 0.999 | 14.61  |
| 10/8/2017 17:30 | 329400 | 19.697 | 16.099 | 44.895 | 696.917 | 839.661 | 0.415 | 570.97  | 1434.891 | 0.999 | 14.606 |
| 10/8/2017 17:45 | 330300 | 19.696 | 16.099 | 44.893 | 696.811 | 839.537 | 0.415 | 570.885 | 1435.11  | 0.999 | 14.612 |
| 10/8/2017 18:00 | 331200 | 19.704 | 16.099 | 44.913 | 696.82  | 839.555 | 0.415 | 570.885 | 1435.09  | 0.999 | 14.609 |
| 10/8/2017 18:15 | 332100 | 19.696 | 16.099 | 44.894 | 696.869 | 839.606 | 0.415 | 570.932 | 1434.991 | 0.999 | 14.609 |
| 10/8/2017 18:30 | 333000 | 19.707 | 16.099 | 44.918 | 696.748 | 839.458 | 0.415 | 570.831 | 1435.239 | 0.999 | 14.599 |
| 10/8/2017 18:45 | 333900 | 19.709 | 16.099 | 44.924 | 696.88  | 839.622 | 0.415 | 570.943 | 1434.968 | 0.999 | 14.605 |
| 10/8/2017 19:00 | 334800 | 19.698 | 16.099 | 44.899 | 696.883 | 839.624 | 0.415 | 570.945 | 1434.96  | 0.999 | 14.615 |
| 10/8/2017 19:15 | 335700 | 19.694 | 16.099 | 44.89  | 696.774 | 839.489 | 0.415 |         |          |       |        |

|                  |        |        |        |        |         |         |       |         |          |       |        |
|------------------|--------|--------|--------|--------|---------|---------|-------|---------|----------|-------|--------|
| 10/10/2017 3:00  | 450000 | 19.71  | 16.099 | 44.925 | 696.406 | 839.044 | 0.415 | 570.55  | 1435.945 | 0.999 | 14.683 |
| 10/10/2017 3:15  | 450900 | 19.705 |        | 44.915 | 696.332 | 838.953 | 0.415 | 570.488 | 1436.097 | 0.999 | 14.688 |
| 10/10/2017 3:30  | 451800 | 19.7   | 16.1   | 44.902 | 696.447 | 839.087 | 0.415 | 570.579 | 1435.859 | 0.999 | 14.687 |
| 10/10/2017 3:45  | 452700 | 19.698 | 16.099 | 44.897 | 696.514 | 839.175 | 0.415 | 570.639 | 1435.721 | 0.999 | 14.682 |
| 10/10/2017 4:00  | 453600 | 19.702 | 16.1   | 44.907 | 696.436 | 839.076 | 0.415 | 570.572 | 1435.883 | 0.999 | 14.682 |
| 10/10/2017 4:15  | 454500 | 19.702 | 16.1   | 44.908 | 696.469 | 839.113 | 0.415 | 570.597 | 1435.814 | 0.999 | 14.681 |
| 10/10/2017 4:30  | 455400 | 19.706 | 16.099 | 44.916 | 696.524 | 839.187 | 0.415 | 570.647 | 1435.7   | 0.999 | 14.681 |
| 10/10/2017 4:45  | 456300 | 19.708 | 16.1   | 44.92  | 696.459 | 839.104 | 0.415 | 570.591 | 1435.834 | 0.999 | 14.682 |
| 10/10/2017 5:00  | 457200 | 19.707 | 16.099 | 44.918 | 696.258 | 838.866 | 0.415 | 570.429 | 1436.25  | 0.999 | 14.686 |
| 10/10/2017 5:15  | 458100 | 19.701 | 16.1   | 44.905 | 696.286 | 838.895 | 0.415 | 570.448 | 1436.191 | 0.999 | 14.685 |
| 10/10/2017 5:30  | 459000 | 19.699 | 16.1   | 44.901 | 696.572 | 839.236 | 0.415 | 570.68  | 1435.602 | 0.999 | 14.685 |
| 10/10/2017 5:45  | 459900 | 19.7   | 16.1   | 44.903 | 696.532 | 839.192 | 0.415 | 570.651 | 1435.685 | 0.999 | 14.686 |
| 10/10/2017 6:00  | 460800 | 19.7   | 16.1   | 44.902 | 696.533 | 839.193 | 0.415 | 570.651 | 1435.681 | 0.999 | 14.688 |
| 10/10/2017 6:15  | 461700 | 19.703 | 16.1   | 44.91  | 696.393 | 839.022 | 0.415 | 570.535 | 1435.97  | 0.999 | 14.689 |
| 10/10/2017 6:30  | 462600 | 19.705 | 16.099 | 44.914 | 696.668 | 839.369 | 0.415 | 570.771 | 1435.403 | 0.999 | 14.686 |
| 10/10/2017 6:45  | 463500 | 19.699 | 16.1   | 44.9   | 696.535 | 839.197 | 0.415 | 570.654 | 1435.677 | 0.999 | 14.689 |
| 10/10/2017 7:00  | 464400 | 19.697 | 16.1   | 44.895 | 696.457 | 839.095 | 0.415 | 570.585 | 1435.84  | 0.999 | 14.696 |
| 10/10/2017 7:15  | 465300 | 19.701 | 16.1   | 44.906 | 696.69  | 839.374 | 0.415 | 570.774 | 1435.358 | 0.999 | 14.695 |
| 10/10/2017 7:30  | 466200 | 19.698 | 16.099 | 44.897 | 696.579 | 839.254 | 0.415 | 570.693 | 1435.588 | 0.999 | 14.693 |
| 10/10/2017 7:45  | 467100 | 19.695 | 16.1   | 44.892 | 696.493 | 839.139 | 0.415 | 570.615 | 1435.765 | 0.999 | 14.695 |
| 10/10/2017 8:00  | 468000 | 19.706 | 16.1   | 44.916 | 696.615 | 839.293 | 0.415 | 570.719 | 1435.512 | 0.999 | 14.688 |
| 10/10/2017 8:15  | 468900 | 19.707 | 16.1   | 44.917 | 696.645 | 839.33  | 0.415 | 570.745 | 1435.452 | 0.999 | 14.689 |
| 10/10/2017 8:30  | 469800 | 19.694 | 16.1   | 44.889 | 696.521 | 839.173 | 0.415 | 570.638 | 1435.707 | 0.999 | 14.698 |
| 10/10/2017 8:45  | 470700 | 19.704 | 16.1   | 44.911 | 696.395 | 839.024 | 0.415 | 570.536 | 1435.967 | 0.999 | 14.697 |
| 10/10/2017 9:00  | 471600 | 19.694 | 16.1   | 44.888 | 696.646 | 839.325 | 0.415 | 570.741 | 1435.448 | 0.999 | 14.7   |
| 10/10/2017 9:15  | 472500 | 19.703 | 16.1   | 44.908 | 696.653 | 839.334 | 0.415 | 570.747 | 1435.434 | 0.999 | 14.701 |
| 10/10/2017 9:30  | 473400 | 19.705 | 16.1   | 44.914 | 696.599 | 839.267 | 0.415 | 570.701 | 1435.546 | 0.999 | 14.7   |
| 10/10/2017 9:45  | 474300 | 19.695 | 16.1   | 44.89  | 696.479 | 839.117 | 0.415 | 570.6   | 1435.792 | 0.999 | 14.699 |
| 10/10/2017 10:00 | 475200 | 19.711 | 16.1   | 44.928 | 696.678 | 839.36  | 0.415 | 570.765 | 1435.383 | 0.999 | 14.693 |
| 10/10/2017 10:15 | 476100 | 19.702 | 16.101 | 44.907 | 696.684 | 839.356 | 0.415 | 570.762 | 1435.37  | 0.999 | 14.697 |
| 10/10/2017 10:30 | 477000 | 19.706 | 16.1   | 44.917 | 696.646 | 839.317 | 0.415 | 570.736 | 1435.448 | 0.999 | 14.696 |
| 10/10/2017 10:45 | 477900 | 19.695 | 16.101 | 44.892 | 696.609 | 839.262 | 0.415 | 570.698 | 1435.525 | 0.999 | 14.7   |
| 10/10/2017 11:00 | 478800 | 19.708 | 16.1   | 44.922 | 696.663 | 839.334 | 0.415 | 570.747 | 1435.414 | 0.999 | 14.694 |
| 10/10/2017 11:15 | 479700 | 19.696 | 16.1   | 44.893 | 696.69  | 839.375 | 0.415 | 570.775 | 1435.358 | 0.999 | 14.699 |
| 10/10/2017 11:30 | 480600 | 19.706 | 16.1   | 44.916 | 696.74  | 839.438 | 0.415 | 570.818 | 1435.255 | 0.999 | 14.698 |
| 10/10/2017 11:45 | 481500 | 19.701 | 16.099 | 44.904 | 696.709 | 839.41  | 0.415 | 570.799 | 1435.319 | 0.999 | 14.699 |
| 10/10/2017 12:00 | 482400 | 19.702 | 16.1   | 44.907 | 696.545 | 839.203 | 0.415 | 570.658 | 1435.658 | 0.999 | 14.698 |
| 10/10/2017 12:15 | 483300 | 19.698 | 16.1   | 44.897 | 696.603 | 839.274 | 0.415 | 570.706 | 1435.539 | 0.999 | 14.697 |
| 10/10/2017 12:30 | 484200 | 19.702 | 16.099 | 44.906 | 696.569 | 839.243 | 0.415 | 570.685 | 1435.607 | 0.999 | 14.7   |
| 10/10/2017 12:45 | 485100 | 19.706 | 16.1   | 44.916 | 696.65  | 839.335 | 0.415 | 570.748 | 1435.44  | 0.999 | 14.692 |
| 10/10/2017 13:00 | 486000 | 19.7   | 16.1   | 44.903 | 696.429 | 839.064 | 0.415 | 570.563 | 1435.896 | 0.999 | 14.694 |
| 10/10/2017 13:15 | 486900 | 19.701 | 16.1   | 44.904 | 696.669 | 839.356 | 0.415 | 570.762 | 1435.402 | 0.999 | 14.697 |
| 10/10/2017 13:30 | 487800 | 19.711 | 16.1   | 44.928 | 696.63  | 839.305 | 0.415 | 570.728 | 1435.483 | 0.999 | 14.69  |
| 10/10/2017 13:45 | 488700 | 19.711 | 16.099 | 44.928 | 696.562 | 839.237 | 0.415 | 570.681 | 1435.623 | 0.999 | 14.686 |
| 10/10/2017 14:00 | 489600 | 19.705 | 16.1   | 44.913 | 696.459 | 839.099 | 0.415 | 570.588 | 1435.835 | 0.999 | 14.692 |
| 10/10/2017 14:15 | 490500 | 19.706 | 16.1   | 44.916 | 696.637 | 839.319 | 0.415 | 570.737 | 1435.467 | 0.999 | 14.688 |
| 10/10/2017 14:30 | 491400 | 19.708 | 16.1   | 44.92  | 696.489 | 839.141 | 0.415 | 570.616 | 1435.772 | 0.999 | 14.685 |
| 10/10/2017 14:45 | 492300 | 19.702 | 16.1   | 44.908 | 696.457 | 839.104 | 0.415 | 570.591 | 1435.838 | 0.999 | 14.686 |
| 10/10/2017 15:00 | 493200 | 19.701 | 16.1   | 44.905 | 696.595 | 839.267 | 0.415 | 570.767 | 1435.554 | 0.999 | 14.687 |
| 10/10/2017 15:15 | 494100 | 19.71  | 16.099 | 44.926 | 696.481 | 839.138 | 0.415 | 570.614 | 1435.789 | 0.999 | 14.682 |
| 10/10/2017 15:30 | 495000 | 19.707 | 16.1   | 44.918 | 696.676 | 839.366 | 0.415 | 570.769 | 1435.388 | 0.999 | 14.685 |
| 10/10/2017 15:45 | 495900 | 19.702 | 16.1   | 44.908 | 696.549 | 839.21  | 0.415 | 570.663 | 1435.649 | 0.999 | 14.691 |
| 10/10/2017 16:00 | 496800 | 19.712 | 16.099 | 44.931 | 696.535 | 839.2   | 0.415 | 570.656 | 1435.678 | 0.999 | 14.683 |
| 10/10/2017 16:15 | 497700 | 19.704 | 16.099 | 44.912 | 696.546 | 839.213 | 0.415 | 570.665 | 1435.656 | 0.999 | 14.687 |
| 10/10/2017 16:30 | 498600 | 19.699 | 16.1   | 44.899 | 696.427 | 839.066 | 0.415 | 570.565 | 1435.901 | 0.999 | 14.69  |
| 10/10/2017 16:45 | 499500 | 19.699 | 16.1   | 44.901 | 696.548 | 839.211 | 0.415 | 570.663 | 1435.651 | 0.999 | 14.69  |
| 10/10/2017 17:00 | 500400 | 19.702 | 16.099 | 44.907 | 696.631 | 839.317 | 0.415 | 570.736 | 1435.48  | 0.999 | 14.69  |
| 10/10/2017 17:15 | 501300 | 19.701 | 16.099 | 44.904 | 696.483 | 839.141 | 0.415 | 570.616 | 1435.785 | 0.999 | 14.689 |
| 10/10/2017 17:30 | 502200 | 19.704 | 16.099 | 44.912 | 696.574 | 839.251 | 0.415 | 570.691 | 1435.598 | 0.999 | 14.683 |
| 10/10/2017 17:45 | 503100 | 19.712 | 16.099 | 44.93  | 696.473 | 839.126 | 0.415 | 570.605 | 1435.805 | 0.999 | 14.685 |
| 10/10/2017 18:00 | 504000 | 19.7   | 16.099 | 44.903 | 696.634 | 839.323 | 0.415 | 570.74  | 1435.473 | 0.999 | 14.689 |
| 10/10/2017 18:15 | 504900 | 19.705 | 16.1   | 44.913 | 696.55  | 839.216 | 0.415 | 570.667 | 1435.647 | 0.999 | 14.687 |
| 10/10/2017 18:30 | 505800 | 19.714 | 16.1   | 44.935 | 696.582 | 839.252 | 0.415 | 570.691 | 1435.581 | 0.999 | 14.689 |
| 10/10/2017 18:45 | 506700 | 19.704 | 16.099 | 44.911 | 696.522 | 839.191 | 0.415 | 570.65  | 1435.704 | 0.999 | 14.687 |
| 10/10/2017 19:00 | 507600 | 19.708 | 16.1   | 44.921 | 696.472 | 839.115 | 0.415 | 570.598 | 1435.808 | 0.999 | 14.688 |
| 10/10/2017 19:15 | 508500 | 19.704 | 16.1   | 44.911 | 696.597 | 839.273 | 0.415 | 570.705 | 1435.55  | 0.999 | 14.693 |
| 10/10/2017 19:30 | 509400 | 19.704 | 16.1   | 44.912 | 696.523 | 839.182 | 0.415 | 570.644 | 1435.703 | 0.999 | 14.692 |
| 10/10/2017 19:45 | 510300 | 19.707 | 16.099 | 44.919 | 696.489 | 839.149 | 0.415 | 570.621 | 1435.773 | 0.999 | 14.696 |
| 10/10/2017 20:00 | 511200 | 19.71  | 16.099 | 44.925 | 696.542 | 839.215 | 0.415 | 570.669 | 1435.663 | 0.999 | 14.691 |
| 10/10/2017 20:15 | 512100 | 19.699 | 16.099 | 44.9   | 696.607 | 839.288 | 0.415 | 570.716 | 1435.531 | 0.999 | 14.689 |
| 10/10/2017 20:30 | 513000 | 19.696 | 16.1   | 44.894 | 696.466 | 839.115 | 0.415 | 570.598 | 1435.821 | 0.999 | 14.701 |
| 10/10/2017 20:45 | 513900 | 19.696 | 16.1   | 44.894 | 696.575 | 839.246 | 0.415 | 570.688 | 1435.595 | 0.999 | 14.693 |
| 10/10/2017 21:00 | 514800 | 19.708 | 16.099 | 44.921 | 696.479 | 839.132 | 0.415 | 570.61  | 1435.794 | 0.999 | 14.691 |
| 10/10/2017 21:15 | 515700 | 19.708 | 16.099 | 44.92  | 696.566 | 839.223 | 0.415 | 570.755 | 1435.43  | 0.999 | 14.694 |
| 10/10/2017 21:30 | 516600 | 19.708 | 16.099 | 44.921 | 696.616 | 839.308 | 0.415 | 570.729 | 1435.511 | 0.999 | 14.696 |
| 10/10/2017 21:45 | 517500 | 19.709 | 16.099 | 44.924 | 696.49  | 839.148 | 0.415 | 570.621 | 1435.772 | 0.999 | 14.695 |
| 10/10/2017 22:00 | 518400 | 19.704 | 16.1   | 44.913 | 696.659 | 839.342 | 0.415 | 570.753 | 1435.422 | 0.999 | 14.696 |
| 10/10/2017 22:15 | 519300 | 19.714 | 16.099 | 44.934 | 696.58  | 839.262 | 0.415 | 570.698 | 1435.586 | 0.999 | 14.696 |
| 10/10/2017 22:30 | 520200 | 19.706 | 16.1   | 44.916 | 696.613 | 839.292 | 0.415 | 570.718 | 1435.518 | 0.999 | 14.699 |
| 10/10/2017 22:45 | 521100 | 19.7   | 16.1   | 44.902 | 696.657 | 839.345 | 0.415 | 570.755 | 1435.426 | 0.999 | 14.701 |
| 10/10/2017 23:00 | 522000 | 19.705 | 16.1   | 44.913 | 696.659 | 839.336 | 0.415 | 570.749 | 1435.422 | 0.999 | 14.703 |
| 10/10/2017 23:15 | 522900 | 19.699 | 16.1   | 44.901 | 696.632 | 839.306 | 0.415 | 570.728 | 1435.478 | 0.999 | 14.706 |
| 10/10/2017 23:30 | 523800 | 19.698 | 16.1   | 44.898 | 696.585 | 839.251 | 0.415 | 570.691 | 1435.576 | 0.999 | 14.706 |
| 10/10/2017 23:45 | 524700 | 19.7   | 16.1   | 44.902 | 696.702 | 839.397 | 0.415 | 570.79  | 1435.333 | 0.999 | 14.702 |
| 10/11/2017 0:00  | 525600 | 19.708 | 16.1   | 44.    |         |         |       |         |          |       |        |

Report Date: 10/13/2017 8:36  
Report User Name: WMassoll  
Report Computer Name: WKST52  
Application: WinSitu.exe  
Application Version: 5.6.27.1

Log File Properties

|             |                                                           |
|-------------|-----------------------------------------------------------|
| File Name   | MPWSP MW-9D LT Test_2017-10-12_13-38-54-324-BaroMerge.wsl |
| Create Date | 10/13/2017 8:31                                           |

|                   |                |        |                |  |
|-------------------|----------------|--------|----------------|--|
| Device Properties |                |        |                |  |
| Device            | Aqua TROLL 200 |        |                |  |
| Site              | MPWSP MW-9D    |        |                |  |
| Device Name       |                |        |                |  |
| Serial Number     | 437458         |        |                |  |
| Firmware Version  | 2              |        |                |  |
| Hardware Version  | 3              |        |                |  |
| Device Address    | 1              |        |                |  |
| Device Comm Cfg   | 19200          | 8 Even | 1 (Modbus-RTU) |  |
| Used Memory       | 0              |        |                |  |
| Used Battery      | 0              |        |                |  |

|                   |                      |                                            |
|-------------------|----------------------|--------------------------------------------|
| Log Configuration | Log Name             | MPWSP MW-9D LT Test                        |
|                   | Created By           | KMakar                                     |
|                   | Computer Name        | PROBOOK10                                  |
|                   | Application          | WinStl.exe                                 |
|                   | Application Version  | 5.5.25.0                                   |
|                   | Create Date          | 1/14/2016 6:00:31 PM Pacific Standard Time |
|                   | Log Setup Time Zone  | Pacific Standard Time                      |
|                   | Notes Size(bytes)    | 4096                                       |
|                   | Overwrite when full  | Enabled                                    |
|                   | Scheduled Start Time | 1/15/2016 7:00:00 AM Pacific Standard Time |
|                   | Scheduled Stop Time  | No Stop Time                               |
|                   | Type                 | Linear                                     |
|                   | Interval             | Days: 0 hrs: 00 mins: 15 secs: 00          |

|                                          |                              |                          |        |
|------------------------------------------|------------------------------|--------------------------|--------|
| Level Reference Settings At Log Creation |                              |                          |        |
|                                          | Level Measurement Mode       | Depth                    |        |
|                                          | Specific Gravity             |                          | 0.999  |
| Other Log Settings                       |                              |                          |        |
|                                          | Depth of Probe:              | 36.7545 (ft)             |        |
|                                          | Head Pressure:               | 15.9182 (PSI)            |        |
|                                          | Temperature:                 | 18.5646 (C)              |        |
|                                          | Specific Conductivity Model: | Standard Methods         |        |
|                                          |                              | Reference Temperature:   | 25     |
|                                          |                              | Temperature Coefficient: | 0.0191 |
|                                          | TDS Factor:                  |                          | 0.68   |

| Date                                                               | Note                                                                                               |
|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 1/14/2016 18:00 USD Download - Used Battery: 0% Used Memory: 3%    | User Name: KMaKar                                                                                  |
| 1/15/2016 9:46 USD Download - Used Battery: 0% Used Memory: 3%     | User Name: KMaKar                                                                                  |
| 1/21/2016 8:40 USD Download - Used Battery: 0% Used Memory: 3%     | User Name: KMaKar                                                                                  |
| 1/28/2016 8:53 USD Download - Used Battery: 1% Used Memory: 3%     | User Name: KMaKar Interval - Start Time: 1/18/2016 11:45:00 AM Stop Time: 1/28/2016 10:05:00 PM    |
| 2/4/2016 9:56 USD Download - Used Battery: 1% Used Memory: 4%      | User Name: C\$haw Interval - Start Time: 1/15/2016 7:00:00 AM Stop Time: 2/4/2016 10:45:00 AM      |
| 2/11/2016 9:46 USD Download - Used Battery: 1% Used Memory: 6%     | User Name: C\$haw Interval - Start Time: 2/2/2016 2:30:00 PM Stop Time: 2/11/2016 10:45:00 AM      |
| 2/18/2016 11:36 USD Download - Used Battery: 2% Used Memory: 6%    | User Name: C\$haw Interval - Start Time: 2/4/2016 3:00:00 AM Stop Time: 2/18/2016 12:00:00 PM      |
| 2/25/2016 11:25 USD Download - Used Battery: 2% Used Memory: 7%    | User Name: KMaKar Interval - Start Time: 2/15/2016 12:00:00 PM Stop Time: 2/25/2016 11:30:00 AM    |
| 3/3/2016 12:32 USD Download - Used Battery: 3% Used Memory: 7%     | User Name: Skuiper Interval - Start Time: 1/31/2016 12:00:00 AM Stop Time: 3/3/2016 12:00:00 PM    |
| 3/10/2016 14:24 USD Download - Used Battery: 3% Used Memory: 9%    | User Name: KMaKar Interval - Start Time: 3/1/2016 12:00:00 PM Stop Time: 3/10/2016 2:15:00 PM      |
| 3/17/2016 11:02 USD Download - Used Battery: 3% Used Memory: 9%    | User Name: Skuiper Interval - Start Time: 3/16/2016 12:00:01 AM Stop Time: 3/17/2016 11:44:45 AM   |
| 3/24/2016 8:37 USD Download - Used Battery: 4% Used Memory: 10%    | User Name: KMaKar Interval - Start Time: 3/15/2016 12:00:00 PM Stop Time: 3/24/2016 8:45:00 AM     |
| 3/31/2016 14:46 USD Download - Used Battery: 4% Used Memory: 10%   | User Name: Skuiper Interval - Start Time: 3/22/2016 12:00:00 PM Stop Time: 3/31/2016 2:45:00 PM    |
| 4/7/2016 9:08 USD Download - Used Battery: 5% Used Memory: 12%     | User Name: Skuiper Interval - Start Time: 3/22/2016 12:00:00 PM Stop Time: 4/7/2016 11:45:00 AM    |
| 4/14/2016 15:45 USD Download - Used Battery: 5% Used Memory: 12%   | User Name: Skuiper Interval - Start Time: 1/25/2016 12:00:00 PM Stop Time: 4/14/2016 3:45:00 PM    |
| 4/21/2016 13:49 USD Download - Used Battery: 5% Used Memory: 14%   | User Name: E\$linden Interval - Start Time: 4/21/2016 13:00:00 PM Stop Time: 4/21/2016 2:45:00 PM  |
| 4/28/2016 9:22 USD Download - Used Battery: 5% Used Memory: 14%    | User Name: KMaKar Interval - Start Time: 4/19/2016 5:00:00 PM Stop Time: 4/28/2016 9:30:00 AM      |
| 5/5/2016 9:13 USD Download - Used Battery: 6% Used Memory: 15%     | User Name: Skuiper Interval - Start Time: 3/31/2016 12:00:00 PM Stop Time: 5/5/2016 10:00:00 AM    |
| 5/12/2016 9:50 USD Download - Used Battery: 6% Used Memory: 15%    | User Name: Skuiper Interval - Start Time: 5/3/2016 12:00:00 PM Stop Time: 5/12/2016 9:45:00 AM     |
| 5/19/2016 13:33 USD Download - Used Battery: 6% Used Memory: 17%   | User Name: E\$linden Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 12:00:00 PM |
| 5/26/2016 8:49 USD Download - Used Battery: 7% Used Memory: 17%    | User Name: Skuiper Interval - Start Time: 5/24/2016 6:00:00 AM Stop Time: 5/26/2016 9:45:00 AM     |
| 6/2/2016 11:13 USD Download - Used Battery: 7% Used Memory: 18%    | User Name: Skuiper Interval - Start Time: 4/30/2016 10:00:00 PM Stop Time: 6/2/2016 12:00:00 PM    |
| 6/9/2016 9:20 USD Download - Used Battery: 8% Used Memory: 18%     | User Name: C\$haw Interval - Start Time: 5/31/2016 5:00:00 AM Stop Time: 6/9/2016 10:15:00 AM      |
| 6/16/2016 10:53 USD Download - Used Battery: 8% Used Memory: 20%   | User Name: Skuiper Interval - Start Time: 6/7/2016 10:30:00 PM Stop Time: 6/16/2016 11:45:00 AM    |
| 6/23/2016 9:47 USD Download - Used Battery: 8% Used Memory: 20%    | User Name: Skuiper Interval - Start Time: 6/15/2016 10:00:00 PM Stop Time: 6/23/2016 9:45:00 AM    |
| 6/30/2016 11:19 USD Download - Used Battery: 9% Used Memory: 23%   | User Name: Skuiper Interval - Start Time: 6/31/2016 10:00:00 PM Stop Time: 7/1/2016 11:45:00 AM    |
| 7/7/2016 11:34 USD Download - Used Battery: 9% Used Memory: 23%    | User Name: Skuiper Interval - Start Time: 6/29/2016 10:00:00 PM Stop Time: 7/7/2016 11:30:00 AM    |
| 7/14/2016 17:29 USD Download - Used Battery: 9% Used Memory: 23%   | User Name: E\$linden Interval - Start Time: 7/5/2016 12:00:00 PM Stop Time: 7/14/2016 6:15:00 PM   |
| 7/21/2016 10:12 USD Download - Used Battery: 10% Used Memory: 25%  | User Name: Skuiper Interval - Start Time: 7/13/2016 10:00:00 PM Stop Time: 7/21/2016 10:00:00 AM   |
| 7/28/2016 17:56 USD Download - Used Battery: 10% Used Memory: 25%  | User Name: Skuiper Interval - Start Time: 7/20/2016 10:00:00 PM Stop Time: 7/28/2016 6:45:00 PM    |
| 8/4/2016 14:32 USD Download - Used Battery: 10% Used Memory: 26%   | User Name: Skuiper Interval - Start Time: 6/30/2016 10:00:00 PM Stop Time: 8/4/2016 3:00:00 PM     |
| 8/11/2016 10:18 USD Download - Used Battery: 11% Used Memory: 26%  | User Name: E\$linden Interval - Start Time: 8/3/2016 2:30:00 PM Stop Time: 8/11/2016 11:45:00 AM   |
| 8/18/2016 15:13 USD Download - Used Battery: 11% Used Memory: 28%  | User Name: Skuiper Interval - Start Time: 8/10/2016 10:00:00 PM Stop Time: 8/18/2016 10:00:00 PM   |
| 8/25/2016 12:04 USD Download - Used Battery: 12% Used Memory: 28%  | User Name: E\$linden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 1:00:00 PM  |
| 9/1/2016 15:44 USD Download - Used Battery: 12% Used Memory: 29%   | User Name: Skuiper Interval - Start Time: 7/31/2016 10:00:00 PM Stop Time: 9/1/2016 4:15:00 PM     |
| 9/8/2016 18:04 USD Download - Used Battery: 12% Used Memory: 29%   | User Name: Skuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/8/2016 6:45:00 PM     |
| 9/15/2016 14:29 USD Download - Used Battery: 13% Used Memory: 31%  | User Name: A\$norris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 3:00:00 PM   |
| 9/22/2016 12:18 USD Download - Used Battery: 13% Used Memory: 31%  | User Name: Skuiper Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 1:45:00 PM    |
| 9/29/2016 11:00 USD Download - Used Battery: 13% Used Memory: 33%  | User Name: A\$norris Interval - Start Time: 9/22/2016 10:00:00 PM Stop Time: 10/6/2016 11:45:00 AM |
| 10/7/2016 16:44 USD Download - Used Battery: 14% Used Memory: 32%  | User Name: Skuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/7/2016 5:30:00 PM    |
| 10/13/2016 16:03 USD Download - Used Battery: 14% Used Memory: 34% | User Name: Skuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 4:00:00 PM   |
| 10/20/2016 16:28 USD Download - Used Battery: 14% Used Memory: 34% | User Name: Skuiper Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 5:00:00 PM  |
| 10/27/2016 16:52 USD Download - Used Battery: 15% Used Memory: 35% | User Name: Skuiper Interval - Start Time: 10/19/2016 10:00:00 PM Stop Time: 10/27/2016 4:00        |

|              |                                       |
|--------------|---------------------------------------|
| Log Data:    |                                       |
| Record Count | 735                                   |
| Sensors      | 2                                     |
|              | 1                                     |
|              | 437458 PCTD 300 PSIA (200.7m/658.7ft) |
|              | 2                                     |
|              | 0 Baro-Adjustment Calc                |

|                |                         | Sensor: PCTD(A) 658.7ft<br>SN#r: 437458 | Sensor: PCTD(A) 658.7ft<br>SN#r: 437458 | Sensor: PCTD(A) 658.7ft<br>SN#r: 437458 | Sensor: PCTD(A) 658.7ft<br>SN#r: 437458 | Sensor: PCTD(A) 658.7ft<br>SN#r: 437458 | Sensor: PCTD(A) 658.7ft<br>SN#r: 437458 | Sensor: PCTD(A) 658.7ft<br>SN#r: 437458 | Sensor: PCTD(A) 658.7ft<br>SN#r: 437458 | Sensor: PCTD(A) 658.7ft<br>SN#r: 437458 | Sensor: PCTD(A) 658.7ft<br>SN#r: 437458 | Sensor: Baro-Adi Calc<br>SN#r: 000000 |
|----------------|-------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|---------------------------------------|
| Date and Time  | Elapsed Time<br>Seconds | Corrected<br>Pressure (PSI)             | Temperature (C)                         | Corrected<br>Depth (ft)                 | Actual Conductivity (µS/cm)             | Specific Conductivity (µS/cm)           | Salinity (PSU)                          | Total Dissolved Solids (ppm)            | Resistivity (ohm-cm)                    | Water Density (g/cm3)                   | Barometric Pressure (PSI)               |                                       |
| 10/5/2017 0:00 | 7200                    | 150.748                                 | 21.086                                  | 348.072                                 | 713.646                                 | 771.307                                 | 0.381                                   | 524.489                                 | 1401.255                                | 0.998                                   | 14.751                                  |                                       |
| 10/5/2017 0:15 | 8100                    | 150.779                                 | 21.089                                  | 348.143                                 | 716.687                                 | 774.551                                 | 0.383                                   | 526.695                                 | 1395.309                                | 0.998                                   | 14.749                                  |                                       |
| 10/5/2017 0:30 | 9000                    | 150.787                                 | 21.084                                  | 348.163                                 | 715.861                                 | 773.733                                 | 0.383                                   | 526.138                                 | 1396.919                                | 0.998                                   | 14.752                                  |                                       |
| 10/5/2017 0:45 | 9900                    | 150.799                                 | 21.095                                  | 348.191                                 | 713.422                                 | 770.929                                 | 0.381                                   | 524.232                                 | 1401.695                                | 0.998                                   | 14.745                                  |                                       |
| 10/5/2017 1:00 | 10800                   | 150.799                                 | 21.099                                  | 348.191                                 | 714.133                                 | 771.63                                  | 0.381                                   | 524.709                                 | 1400.299                                | 0.998                                   | 14.737                                  |                                       |
| 10/5/2017 1:15 | 11700                   | 150.756                                 | 21.085                                  | 348.091                                 | 713.325                                 | 770.976                                 | 0.381                                   | 524.263                                 | 1401.885                                | 0.998                                   | 14.744                                  |                                       |
| 10/5/2017 1:30 | 12600                   | 150.799                                 | 21.087                                  | 348.189                                 | 713.479                                 | 771.106                                 | 0.381                                   | 524.352                                 | 1401.582                                | 0.998                                   | 14.743                                  |                                       |
| 10/5/2017 1:45 | 13500                   | 150.763                                 | 21.08                                   | 348.107                                 | 715.679                                 | 773.602                                 | 0.382                                   | 526.049                                 | 1397.274                                | 0.998                                   | 14.745                                  |                                       |
| 10/5/2017 2:00 | 14400                   | 150.768                                 | 21.082                                  | 348.119                                 | 716.6                                   | 774.555                                 | 0.383                                   | 526.698                                 | 1395.479                                | 0.998                                   | 14.742                                  |                                       |
| 10/5/2017 2:15 | 15300                   | 150.806                                 | 21.085                                  | 348.207                                 | 713.056                                 | 773.056                                 | 0.382                                   | 525.678                                 | 1398.108                                | 0.998                                   | 14.745                                  |                                       |
| 10/5/2017 2:30 | 16200                   | 150.762                                 | 21.084                                  | 348.104                                 | 715.555                                 | 773.401                                 | 0.382                                   | 525.913                                 | 1397.516                                | 0.998                                   | 14.746                                  |                                       |
| 10/5/2017 2:45 | 17100                   | 150.771                                 | 21.095                                  | 348.125                                 | 715.227                                 | 772.872                                 | 0.382                                   | 525.553                                 | 1398.157                                | 0.998                                   | 14.744                                  |                                       |
| 10/5/2017 3:00 | 18000                   | 150.775                                 | 21.086                                  | 348.135                                 | 716.015                                 | 773.862                                 | 0.383                                   | 526.226                                 | 1396.618                                | 0.998                                   | 14.739                                  |                                       |
| 10/5/2017 3:15 | 18900                   | 150.812                                 | 21.088                                  | 348.22                                  | 715.626                                 | 773.413                                 | 0.382                                   | 525.921                                 | 1397.379                                | 0.998                                   | 14.748                                  |                                       |
| 10/5/2017 3:30 | 19800                   | 150.782                                 | 21.076                                  | 348.151                                 | 715.804                                 | 773.796                                 | 0.383                                   | 526.181                                 | 1397.031                                | 0.998                                   | 14.738                                  |                                       |
| 10/5/2017 3:45 | 20700                   | 150.778                                 | 21.09                                   | 348.142                                 | 712.536                                 | 770.042                                 | 0.383                                   | 523.628                                 | 1403.439                                | 0.998                                   | 14.739                                  |                                       |
| 10/5/2017 4:00 | 21600                   | 150.82                                  | 21.084                                  | 348.239                                 | 713.329                                 | 770.989                                 | 0.381                                   | 524.273                                 | 1401.878                                | 0.998                                   | 14.739                                  |                                       |
| 10/5/2017 4:15 | 22500                   | 150.797                                 | 21.099                                  | 348.185                                 | 712.219                                 | 769.556                                 | 0.38                                    | 523.298                                 | 1404.063                                | 0.998                                   | 14.74                                   |                                       |
| 10/5/2017 4:30 | 23400                   | 150.777                                 | 21.092                                  | 348.14                                  | 713.195                                 | 770.729                                 | 0.381                                   | 524.096                                 | 1402.142                                | 0.998                                   | 14.737                                  |                                       |
| 10/5/2017 4:45 | 24300                   | 150.815                                 | 21.095                                  | 348.227                                 | 712.216                                 | 769.621                                 | 0.38                                    | 523.342                                 | 1404.068                                | 0.998                                   | 14.739                                  |                                       |
| 10/5/2017 5:00 | 25200                   | 150.821                                 | 21.093                                  | 348.241                                 | 711.719                                 | 769.115                                 | 0.38                                    | 522.998                                 | 1405.049                                | 0.998                                   | 14.736                                  |                                       |
| 10/5/2017 5:15 | 26100                   | 150.778                                 | 21.082                                  | 348.141                                 | 713.751                                 | 771.485                                 | 0.381                                   | 524.61                                  | 1401.048                                | 0.998                                   | 14.741                                  |                                       |
| 10/5/2017 5:30 | 27000                   | 150.813                                 | 21.092                                  | 348.224                                 | 713.181                                 | 770.771                                 | 0.381                                   | 524.082                                 | 1402.169                                | 0.998                                   | 14.734                                  |                                       |
| 10/5/2017 5:45 | 27900                   | 150.814                                 | 21.088                                  | 348.224                                 | 715.135                                 | 772.888                                 | 0.382                                   | 525.564                                 | 1398.                                   |                                         |                                         |                                       |

|                 |        |         |        |         |         |         |       |         |          |       |        |
|-----------------|--------|---------|--------|---------|---------|---------|-------|---------|----------|-------|--------|
| 10/5/2017 17:30 | 70200  | 150.889 | 21.089 | 348.399 | 713.3   | 770.883 | 0.381 | 524.2   | 1401.935 | 0.998 | 14.704 |
| 10/5/2017 17:45 | 71100  | 150.893 | 21.093 | 348.408 | 713.841 | 771.408 | 0.381 | 524.558 | 1400.872 | 0.998 | 14.703 |
| 10/5/2017 18:00 | 72000  | 150.893 | 21.094 | 348.407 | 713.093 | 770.575 | 0.381 | 523.991 | 1402.341 | 0.998 | 14.706 |
| 10/5/2017 18:15 | 72900  | 150.887 | 21.085 | 348.393 | 714.012 | 771.711 | 0.381 | 524.764 | 1400.536 | 0.998 | 14.7   |
| 10/5/2017 18:30 | 73800  | 150.848 | 21.094 | 348.303 | 713.743 | 771.284 | 0.381 | 524.473 | 1401.064 | 0.998 | 14.704 |
| 10/5/2017 18:45 | 74700  | 150.896 | 21.087 | 348.415 | 712.831 | 770.408 | 0.381 | 523.877 | 1402.858 | 0.998 | 14.704 |
| 10/5/2017 19:00 | 75600  | 150.895 | 21.084 | 348.412 | 713.907 | 771.528 | 0.381 | 524.707 | 1400.742 | 0.997 | 14.7   |
| 10/5/2017 19:15 | 76500  | 150.899 | 21.089 | 348.422 | 714.459 | 772.143 | 0.382 | 525.057 | 1399.66  | 0.998 | 14.704 |
| 10/5/2017 19:30 | 77400  | 150.855 | 21.081 | 348.32  | 715.329 | 773.203 | 0.382 | 525.778 | 1397.958 | 0.998 | 14.701 |
| 10/5/2017 19:45 | 78300  | 150.846 | 21.095 | 348.298 | 712.476 | 769.896 | 0.381 | 523.529 | 1403.556 | 0.998 | 14.709 |
| 10/5/2017 20:00 | 79200  | 150.845 | 21.09  | 348.296 | 712.464 | 769.959 | 0.381 | 523.572 | 1403.58  | 0.998 | 14.705 |
| 10/5/2017 20:15 | 80100  | 150.891 | 21.093 | 348.403 | 714.034 | 771.616 | 0.381 | 524.699 | 1400.494 | 0.998 | 14.708 |
| 10/5/2017 20:30 | 81000  | 150.89  | 21.099 | 348.4   | 711.299 | 768.471 | 0.38  | 522.56  | 1406.046 | 0.998 | 14.714 |
| 10/5/2017 20:45 | 81900  | 150.889 | 21.097 | 348.398 | 711.529 | 768.85  | 0.38  | 522.818 | 1405.423 | 0.998 | 14.71  |
| 10/5/2017 21:00 | 82800  | 150.872 | 21.096 | 348.358 | 710.474 | 767.719 | 0.379 | 522.049 | 1407.512 | 0.998 | 14.717 |
| 10/5/2017 21:15 | 83700  | 150.892 | 21.089 | 348.404 | 711.603 | 769.059 | 0.38  | 522.96  | 1405.277 | 0.998 | 14.718 |
| 10/5/2017 21:30 | 84600  | 150.858 | 21.086 | 348.326 | 711.511 | 769.003 | 0.38  | 522.922 | 1405.459 | 0.998 | 14.717 |
| 10/5/2017 21:45 | 85500  | 150.852 | 21.093 | 348.312 | 711.091 | 768.434 | 0.38  | 522.535 | 1406.289 | 0.998 | 14.719 |
| 10/5/2017 22:00 | 86400  | 150.896 | 21.101 | 348.455 | 711.619 | 768.876 | 0.38  | 522.826 | 1405.247 | 0.998 | 14.718 |
| 10/5/2017 22:15 | 87300  | 150.858 | 21.102 | 348.326 | 712.914 | 770.255 | 0.381 | 523.773 | 1402.693 | 0.998 | 14.715 |
| 10/5/2017 22:30 | 88200  | 150.899 | 21.094 | 348.421 | 711.822 | 769.209 | 0.38  | 523.062 | 1404.846 | 0.998 | 14.721 |
| 10/5/2017 22:45 | 89100  | 150.86  | 21.088 | 348.331 | 711.44  | 768.884 | 0.38  | 522.841 | 1405.599 | 0.998 | 14.724 |
| 10/5/2017 23:00 | 90000  | 150.89  | 21.092 | 348.4   | 713.782 | 771.365 | 0.381 | 524.528 | 1400.988 | 0.998 | 14.724 |
| 10/5/2017 23:15 | 90900  | 150.87  | 21.083 | 348.353 | 712.612 | 770.233 | 0.381 | 523.758 | 1403.288 | 0.998 | 14.726 |
| 10/5/2017 23:30 | 91800  | 150.912 | 21.1   | 348.451 | 710.812 | 768.088 | 0.38  | 522.558 | 1406.842 | 0.998 | 14.719 |
| 10/5/2017 23:45 | 92700  | 150.873 | 21.085 | 348.36  | 711.388 | 768.891 | 0.38  | 522.846 | 1405.702 | 0.998 | 14.727 |
| 10/6/2017 0:00  | 93600  | 150.921 | 21.095 | 348.473 | 712.616 | 770.05  | 0.381 | 523.634 | 1403.281 | 0.998 | 14.726 |
| 10/6/2017 0:15  | 94500  | 150.914 | 21.091 | 348.456 | 713.378 | 770.945 | 0.381 | 524.243 | 1401.781 | 0.998 | 14.724 |
| 10/6/2017 0:30  | 95400  | 150.872 | 21.083 | 348.358 | 715.381 | 773.23  | 0.382 | 525.797 | 1397.856 | 0.998 | 14.729 |
| 10/6/2017 0:45  | 96300  | 150.882 | 21.086 | 348.383 | 715.246 | 773.036 | 0.382 | 525.664 | 1398.121 | 0.998 | 14.725 |
| 10/6/2017 1:00  | 97200  | 150.918 | 21.082 | 348.464 | 714.434 | 772.227 | 0.382 | 525.134 | 1399.709 | 0.998 | 14.727 |
| 10/6/2017 1:15  | 98100  | 150.932 | 21.086 | 348.498 | 716.685 | 774.593 | 0.383 | 526.723 | 1395.314 | 0.998 | 14.722 |
| 10/6/2017 1:30  | 99000  | 150.932 | 21.081 | 348.498 | 716.063 | 774.003 | 0.383 | 526.322 | 1396.525 | 0.998 | 14.725 |
| 10/6/2017 1:45  | 99900  | 150.928 | 21.09  | 348.488 | 715.241 | 772.97  | 0.382 | 525.619 | 1398.13  | 0.998 | 14.729 |
| 10/6/2017 2:00  | 100800 | 150.892 | 21.092 | 348.404 | 714.701 | 772.35  | 0.382 | 525.198 | 1399.186 | 0.998 | 14.729 |
| 10/6/2017 2:15  | 101700 | 150.899 | 21.094 | 348.421 | 715.395 | 773.078 | 0.382 | 525.693 | 1397.828 | 0.998 | 14.73  |
| 10/6/2017 2:30  | 102600 | 150.909 | 21.094 | 348.444 | 713.871 | 771.484 | 0.381 | 524.57  | 1400.814 | 0.998 | 14.728 |
| 10/6/2017 2:45  | 103500 | 150.906 | 21.091 | 348.437 | 713.177 | 770.714 | 0.381 | 524.086 | 1402.176 | 0.998 | 14.727 |
| 10/6/2017 3:00  | 104400 | 150.94  | 21.094 | 348.516 | 712.759 | 770.225 | 0.381 | 523.753 | 1402.998 | 0.998 | 14.73  |
| 10/6/2017 3:15  | 105300 | 150.909 | 21.08  | 348.444 | 716.187 | 774.141 | 0.383 | 526.416 | 1396.284 | 0.998 | 14.724 |
| 10/6/2017 3:30  | 106200 | 150.903 | 21.074 | 348.431 | 716.108 | 774.158 | 0.383 | 526.427 | 1396.438 | 0.998 | 14.726 |
| 10/6/2017 3:45  | 107100 | 150.913 | 21.073 | 348.455 | 717.272 | 775.436 | 0.383 | 527.297 | 1394.171 | 0.998 | 14.726 |
| 10/6/2017 4:00  | 108000 | 150.907 | 21.076 | 348.44  | 719.562 | 777.844 | 0.385 | 528.947 | 1389.725 | 0.998 | 14.722 |
| 10/6/2017 4:15  | 108900 | 150.904 | 21.081 | 348.432 | 720.009 | 778.263 | 0.385 | 529.219 | 1388.872 | 0.998 | 14.726 |
| 10/6/2017 4:30  | 109800 | 150.949 | 21.093 | 348.536 | 719.376 | 777.395 | 0.384 | 528.629 | 1390.093 | 0.998 | 14.727 |
| 10/6/2017 4:45  | 110700 | 150.899 | 21.094 | 348.421 | 715.02  | 772.665 | 0.382 | 525.412 | 1398.563 | 0.998 | 14.728 |
| 10/6/2017 5:00  | 111600 | 150.911 | 21.081 | 348.448 | 715.983 | 773.915 | 0.383 | 526.262 | 1396.681 | 0.998 | 14.726 |
| 10/6/2017 5:15  | 112500 | 150.936 | 21.085 | 348.507 | 716.131 | 774.012 | 0.383 | 526.328 | 1396.393 | 0.998 | 14.726 |
| 10/6/2017 5:30  | 113400 | 150.914 | 21.083 | 348.455 | 716.256 | 774.17  | 0.383 | 526.436 | 1396.149 | 0.998 | 14.731 |
| 10/6/2017 5:45  | 114300 | 150.942 | 21.08  | 348.521 | 716.162 | 774.12  | 0.383 | 526.402 | 1396.331 | 0.998 | 14.724 |
| 10/6/2017 6:00  | 115200 | 150.942 | 21.09  | 348.521 | 712.641 | 770.157 | 0.381 | 523.707 | 1403.231 | 0.998 | 14.724 |
| 10/6/2017 6:15  | 116100 | 150.911 | 21.084 | 348.449 | 714.375 | 772.13  | 0.382 | 525.049 | 1399.825 | 0.998 | 14.726 |
| 10/6/2017 6:30  | 117000 | 150.91  | 21.093 | 348.446 | 714.489 | 772.11  | 0.382 | 525.035 | 1399.601 | 0.998 | 14.732 |
| 10/6/2017 6:45  | 117900 | 150.928 | 21.093 | 348.489 | 713.179 | 770.697 | 0.381 | 524.074 | 1402.172 | 0.998 | 14.733 |
| 10/6/2017 7:00  | 118800 | 150.951 | 21.086 | 348.54  | 713.37  | 771.003 | 0.381 | 524.282 | 1401.797 | 0.998 | 14.731 |
| 10/6/2017 7:15  | 119700 | 150.949 | 21.086 | 348.535 | 713.29  | 770.919 | 0.381 | 524.225 | 1401.955 | 0.998 | 14.732 |
| 10/6/2017 7:30  | 120600 | 150.908 | 21.091 | 348.443 | 713.031 | 770.569 | 0.381 | 523.987 | 1402.463 | 0.998 | 14.736 |
| 10/6/2017 7:45  | 121500 | 150.943 | 21.096 | 348.524 | 711.752 | 769.104 | 0.38  | 522.991 | 1404.985 | 0.998 | 14.732 |
| 10/6/2017 8:00  | 122400 | 150.945 | 21.1   | 348.527 | 711.379 | 768.631 | 0.38  | 522.669 | 1405.72  | 0.998 | 14.736 |
| 10/6/2017 8:15  | 123300 | 150.937 | 21.094 | 348.509 | 711.49  | 768.849 | 0.38  | 522.818 | 1405.501 | 0.998 | 14.744 |
| 10/6/2017 8:30  | 124200 | 150.907 | 21.099 | 348.439 | 713.887 | 769.194 | 0.38  | 523.052 | 1404.717 | 0.998 | 14.736 |
| 10/6/2017 8:45  | 125100 | 150.911 | 21.083 | 348.448 | 713.306 | 770.988 | 0.381 | 524.272 | 1401.923 | 0.998 | 14.741 |
| 10/6/2017 9:00  | 126000 | 150.896 | 21.082 | 348.415 | 714.909 | 772.733 | 0.382 | 525.459 | 1398.78  | 0.998 | 14.753 |
| 10/6/2017 9:15  | 126900 | 150.952 | 21.085 | 348.544 | 717.239 | 775.201 | 0.383 | 527.137 | 1394.236 | 0.998 | 14.743 |
| 10/6/2017 9:30  | 127800 | 150.907 | 21.083 | 348.44  | 718.174 | 776.256 | 0.384 | 527.854 | 1392.42  | 0.998 | 14.751 |
| 10/6/2017 9:45  | 128700 | 150.921 | 21.085 | 348.472 | 717.005 | 774.95  | 0.383 | 526.966 | 1394.69  | 0.998 | 14.744 |
| 10/6/2017 10:00 | 129600 | 150.938 | 21.09  | 348.511 | 716.639 | 774.485 | 0.383 | 526.649 | 1395.403 | 0.998 | 14.752 |
| 10/6/2017 10:15 | 130500 | 150.948 | 21.094 | 348.534 | 712.186 | 770.919 | 0.38  | 523.331 | 1404.127 | 0.998 | 14.732 |
| 10/6/2017 10:30 | 131400 | 150.956 | 21.08  | 348.553 | 714.771 | 772.612 | 0.382 | 525.376 | 1399.05  | 0.998 | 14.75  |
| 10/6/2017 10:45 | 132300 | 150.951 | 21.093 | 348.542 | 716.228 | 773.988 | 0.383 | 526.312 | 1396.203 | 0.998 | 14.747 |
| 10/6/2017 11:00 | 133200 | 150.97  | 21.091 | 348.584 | 715.494 | 773.216 | 0.382 | 525.787 | 1397.636 | 0.998 | 14.739 |
| 10/6/2017 11:15 | 134100 | 150.926 | 21.088 | 348.483 | 712.857 | 770.425 | 0.381 | 523.889 | 1402.806 | 0.998 | 14.739 |
| 10/6/2017 11:30 | 135000 | 150.916 | 21.09  | 348.46  | 714.126 | 771.76  | 0.381 | 524.797 | 1400.313 | 0.998 | 14.74  |
| 10/6/2017 11:45 | 135900 | 150.958 | 21.098 | 348.557 | 713.769 | 773.689 | 0.381 | 524.454 | 1401.013 | 0.998 | 14.734 |
| 10/6/2017 12:00 | 136800 | 150.965 | 21.087 | 348.574 | 713.67  | 771.321 | 0.381 | 524.498 | 1401.207 | 0.998 | 14.737 |
| 10/6/2017 12:15 | 137700 | 150.935 | 21.079 | 348.504 | 714.387 | 772.215 | 0.382 | 525.106 | 1399.802 | 0.998 | 14.73  |
| 10/6/2017 12:30 | 138600 | 150.931 | 21.1   | 348.496 | 715.87  | 773.493 | 0.382 | 525.975 | 1396.901 | 0.998 | 14.739 |
| 10/6/2017 12:45 | 139500 | 150.972 | 21.097 | 348.59  | 714.391 | 771.941 | 0.382 | 524.92  | 1399.794 | 0.998 | 14.735 |
| 10/6/2017 13:00 | 140400 | 150.959 | 21.099 | 348.559 | 713.066 | 770.472 | 0.381 | 523.921 | 1402.394 | 0.998 | 14.734 |
| 10/6/2017 13:15 | 141300 | 150.984 | 21.087 | 348.617 | 713.158 | 771.257 | 0.381 | 524.115 | 1402.214 | 0.998 | 14.722 |
| 10/6/2017 13:30 | 142200 | 150.938 | 21.087 | 348.511 | 714.537 | 772.258 | 0.382 | 525.135 | 1399.507 | 0.998 | 14.725 |
| 10/6/2017 13:45 | 143100 | 150.973 | 21.083 | 348.592 | 713.761 | 771.475 | 0.381 | 524.603 | 1401.03  | 0.998 | 14.726 |
| 10/6/2017 14:00 | 144000 | 150.975 | 21.097 | 348.597 | 712.029 | 769.391 | 0.38  | 523.186 | 1404.438 | 0.998 | 14.717 |
| 10/6/2017 14:15 | 144900 | 150.952 | 21.088 | 348.543 | 713.3   |         |       |         |          |       |        |

|                 |        |         |        |         |         |         |       |         |          |       |        |
|-----------------|--------|---------|--------|---------|---------|---------|-------|---------|----------|-------|--------|
| 10/7/2017 22:15 | 260100 | 150.946 | 21.089 | 348.529 | 714.787 | 772.488 | 0.382 | 525.292 | 1399.019 | 0.998 | 14.647 |
| 10/7/2017 22:30 | 261000 | 150.906 | 21.088 | 348.437 | 714.819 | 772.538 | 0.382 | 525.326 | 1398.956 | 0.998 | 14.661 |
| 10/7/2017 22:45 | 261900 | 150.892 | 21.095 | 348.405 | 714.923 | 772.539 | 0.382 | 525.327 | 1398.752 | 0.998 | 14.655 |
| 10/7/2017 23:00 | 262800 | 150.944 | 21.084 | 348.525 | 714.767 | 772.549 | 0.382 | 525.334 | 1399.057 | 0.998 | 14.652 |
| 10/7/2017 23:15 | 263700 | 150.942 | 21.091 | 348.519 | 715.611 | 773.343 | 0.382 | 525.873 | 1397.407 | 0.998 | 14.65  |
| 10/7/2017 23:30 | 264600 | 150.903 | 21.077 | 348.43  | 716.173 | 774.182 | 0.383 | 526.444 | 1396.311 | 0.998 | 14.644 |
| 10/7/2017 23:45 | 265500 | 150.922 | 21.084 | 348.474 | 717.094 | 775.007 | 0.383 | 527.005 | 1394.634 | 0.998 | 14.645 |
| 10/8/2017 0:00  | 266400 | 150.932 | 21.096 | 348.497 | 716.995 | 774.773 | 0.383 | 526.846 | 1394.71  | 0.998 | 14.648 |
| 10/8/2017 0:15  | 267300 | 150.894 | 21.091 | 348.409 | 715.735 | 773.482 | 0.382 | 525.968 | 1397.165 | 0.998 | 14.649 |
| 10/8/2017 0:30  | 268200 | 150.899 | 21.091 | 348.421 | 715.155 | 772.864 | 0.382 | 525.548 | 1398.298 | 0.998 | 14.647 |
| 10/8/2017 0:45  | 269100 | 150.932 | 21.098 | 348.498 | 714.391 | 771.917 | 0.382 | 524.904 | 1399.794 | 0.998 | 14.645 |
| 10/8/2017 1:00  | 270000 | 150.921 | 21.087 | 348.473 | 714.314 | 772.011 | 0.382 | 524.967 | 1399.945 | 0.998 | 14.641 |
| 10/8/2017 1:15  | 270900 | 150.965 | 21.082 | 348.574 | 716.179 | 774.114 | 0.383 | 526.397 | 1396.388 | 0.997 | 14.637 |
| 10/8/2017 1:30  | 271800 | 150.94  | 21.078 | 348.516 | 717.12  | 775.189 | 0.383 | 527.129 | 1394.466 | 0.998 | 14.651 |
| 10/8/2017 1:45  | 272700 | 150.945 | 21.098 | 348.527 | 715.779 | 773.422 | 0.382 | 525.927 | 1397.079 | 0.998 | 14.645 |
| 10/8/2017 2:00  | 273600 | 150.96  | 21.089 | 348.561 | 715.572 | 773.337 | 0.382 | 525.869 | 1397.483 | 0.998 | 14.642 |
| 10/8/2017 2:15  | 274500 | 150.953 | 21.097 | 348.547 | 714.986 | 772.576 | 0.382 | 525.351 | 1398.629 | 0.998 | 14.646 |
| 10/8/2017 2:30  | 275400 | 150.913 | 21.095 | 348.452 | 714.193 | 771.758 | 0.381 | 524.796 | 1400.183 | 0.998 | 14.644 |
| 10/8/2017 2:45  | 276300 | 150.962 | 21.092 | 348.568 | 715.8   | 773.627 | 0.382 | 526.066 | 1397.038 | 0.998 | 14.637 |
| 10/8/2017 3:00  | 277200 | 150.967 | 21.085 | 348.578 | 718.072 | 776.114 | 0.384 | 527.758 | 1392.618 | 0.998 | 14.642 |
| 10/8/2017 3:15  | 278100 | 150.924 | 21.089 | 348.478 | 718.717 | 776.733 | 0.384 | 528.178 | 1391.369 | 0.998 | 14.641 |
| 10/8/2017 3:30  | 279000 | 150.96  | 21.087 | 348.562 | 716.375 | 774.233 | 0.383 | 526.478 | 1395.917 | 0.998 | 14.639 |
| 10/8/2017 3:45  | 279900 | 150.912 | 21.093 | 348.451 | 715.401 | 773.09  | 0.382 | 525.701 | 1397.817 | 0.998 | 14.634 |
| 10/8/2017 4:00  | 280800 | 150.926 | 21.095 | 348.484 | 714.691 | 772.294 | 0.382 | 525.16  | 1399.206 | 0.998 | 14.63  |
| 10/8/2017 4:15  | 281700 | 150.969 | 21.092 | 348.582 | 716.987 | 774.822 | 0.383 | 526.879 | 1394.725 | 0.998 | 14.63  |
| 10/8/2017 4:30  | 282600 | 150.931 | 21.085 | 348.495 | 719.269 | 777.393 | 0.384 | 528.627 | 1390.3   | 0.998 | 14.633 |
| 10/8/2017 4:45  | 283500 | 150.966 | 21.08  | 348.577 | 718.312 | 776.439 | 0.384 | 527.978 | 1392.152 | 0.998 | 14.633 |
| 10/8/2017 5:00  | 284400 | 150.921 | 21.092 | 348.471 | 715.266 | 772.955 | 0.382 | 525.609 | 1398.081 | 0.998 | 14.629 |
| 10/8/2017 5:15  | 285300 | 150.975 | 21.085 | 348.597 | 715.662 | 773.506 | 0.382 | 525.984 | 1397.308 | 0.998 | 14.624 |
| 10/8/2017 5:30  | 286200 | 150.922 | 21.09  | 348.475 | 714.986 | 772.687 | 0.382 | 525.427 | 1398.629 | 0.998 | 14.632 |
| 10/8/2017 5:45  | 287100 | 150.983 | 21.087 | 348.614 | 716.215 | 774.069 | 0.383 | 526.367 | 1396.228 | 0.998 | 14.627 |
| 10/8/2017 6:00  | 288000 | 150.98  | 21.09  | 348.607 | 717.228 | 775.114 | 0.383 | 527.077 | 1394.258 | 0.998 | 14.631 |
| 10/8/2017 6:15  | 288900 | 150.964 | 21.086 | 348.572 | 716.516 | 774.416 | 0.383 | 526.603 | 1395.643 | 0.998 | 14.637 |
| 10/8/2017 6:30  | 289800 | 150.968 | 21.086 | 348.58  | 715.828 | 773.668 | 0.382 | 526.094 | 1396.984 | 0.998 | 14.631 |
| 10/8/2017 6:45  | 290700 | 150.935 | 21.086 | 348.504 | 715.832 | 773.668 | 0.382 | 526.094 | 1396.976 | 0.998 | 14.636 |
| 10/8/2017 7:00  | 291600 | 150.937 | 21.084 | 348.508 | 716.705 | 774.64  | 0.383 | 526.755 | 1395.275 | 0.998 | 14.637 |
| 10/8/2017 7:15  | 292500 | 150.944 | 21.091 | 348.526 | 716.288 | 774.055 | 0.383 | 526.36  | 1396.125 | 0.998 | 14.633 |
| 10/8/2017 7:30  | 293400 | 150.971 | 21.1   | 348.586 | 716.175 | 773.82  | 0.383 | 526.197 | 1396.307 | 0.998 | 14.631 |
| 10/8/2017 7:45  | 294300 | 150.942 | 21.084 | 348.519 | 715.808 | 773.683 | 0.382 | 526.105 | 1397.022 | 0.998 | 14.636 |
| 10/8/2017 8:00  | 295200 | 150.953 | 21.081 | 348.546 | 715.779 | 773.692 | 0.382 | 526.11  | 1397.08  | 0.998 | 14.634 |
| 10/8/2017 8:15  | 296100 | 150.979 | 21.072 | 348.606 | 717.604 | 775.802 | 0.384 | 527.546 | 1393.525 | 0.998 | 14.632 |
| 10/8/2017 8:30  | 297000 | 150.939 | 21.08  | 348.513 | 718.457 | 776.611 | 0.384 | 528.095 | 1391.872 | 0.998 | 14.639 |
| 10/8/2017 8:45  | 297900 | 150.981 | 21.098 | 348.611 | 719.811 | 777.937 | 0.385 | 528.997 | 1389.254 | 0.997 | 14.64  |
| 10/8/2017 9:00  | 298800 | 150.978 | 21.088 | 348.604 | 718.022 | 776.006 | 0.384 | 527.684 | 1392.715 | 0.998 | 14.639 |
| 10/8/2017 9:15  | 299700 | 150.952 | 21.081 | 348.544 | 718.047 | 776.141 | 0.384 | 527.776 | 1392.667 | 0.998 | 14.64  |
| 10/8/2017 9:30  | 300600 | 150.983 | 21.085 | 348.615 | 718.648 | 776.722 | 0.384 | 528.171 | 1391.502 | 0.998 | 14.639 |
| 10/8/2017 9:45  | 301500 | 150.967 | 21.092 | 348.578 | 717.214 | 775.069 | 0.383 | 527.047 | 1394.285 | 0.998 | 14.644 |
| 10/8/2017 10:00 | 302400 | 150.985 | 21.096 | 348.62  | 713.63  | 771.138 | 0.381 | 524.374 | 1401.286 | 0.998 | 14.636 |
| 10/8/2017 10:15 | 303300 | 150.974 | 21.095 | 348.594 | 713.968 | 772.202 | 0.381 | 524.622 | 1400.622 | 0.998 | 14.637 |
| 10/8/2017 10:30 | 304200 | 150.951 | 21.095 | 348.541 | 714.109 | 771.651 | 0.381 | 524.731 | 1400.347 | 0.998 | 14.629 |
| 10/8/2017 10:45 | 305100 | 150.949 | 21.087 | 348.538 | 714.24  | 771.928 | 0.382 | 524.911 | 1400.09  | 0.998 | 14.631 |
| 10/8/2017 11:00 | 306000 | 150.95  | 21.079 | 348.538 | 715.842 | 773.798 | 0.383 | 526.183 | 1396.956 | 0.998 | 14.635 |
| 10/8/2017 11:15 | 306900 | 150.982 | 21.09  | 348.613 | 716.514 | 774.347 | 0.383 | 526.556 | 1395.645 | 0.998 | 14.627 |
| 10/8/2017 11:30 | 307800 | 150.993 | 21.088 | 348.638 | 716.775 | 774.653 | 0.383 | 526.764 | 1395.139 | 0.998 | 14.63  |
| 10/8/2017 11:45 | 308700 | 150.998 | 21.086 | 348.65  | 716.864 | 774.785 | 0.383 | 526.854 | 1394.965 | 0.998 | 14.63  |
| 10/8/2017 12:00 | 309600 | 150.959 | 21.092 | 348.557 | 714.448 | 772.055 | 0.382 | 524.988 | 1399.682 | 0.998 | 14.626 |
| 10/8/2017 12:15 | 310500 | 150.976 | 21.087 | 348.6   | 714.279 | 771.979 | 0.382 | 524.946 | 1400.013 | 0.998 | 14.625 |
| 10/8/2017 12:30 | 311400 | 150.994 | 21.083 | 348.64  | 717.386 | 775.4   | 0.383 | 527.272 | 1393.95  | 0.998 | 14.63  |
| 10/8/2017 12:45 | 312300 | 151.003 | 21.094 | 348.66  | 717.259 | 775.082 | 0.383 | 527.056 | 1394.196 | 0.998 | 14.628 |
| 10/8/2017 13:00 | 313200 | 150.983 | 21.09  | 348.616 | 716.94  | 774.796 | 0.383 | 526.861 | 1394.817 | 0.998 | 14.629 |
| 10/8/2017 13:15 | 314100 | 151.022 | 21.093 | 348.704 | 716.416 | 774.183 | 0.383 | 526.445 | 1395.838 | 0.998 | 14.623 |
| 10/8/2017 13:30 | 315000 | 150.98  | 21.097 | 348.608 | 718.267 | 776.121 | 0.384 | 527.762 | 1392.24  | 0.998 | 14.62  |
| 10/8/2017 13:45 | 315900 | 151.024 | 21.095 | 348.709 | 715.84  | 773.538 | 0.382 | 526.006 | 1396.961 | 0.998 | 14.613 |
| 10/8/2017 14:00 | 316800 | 151.025 | 21.094 | 348.713 | 714.849 | 772.472 | 0.382 | 525.281 | 1398.897 | 0.998 | 14.623 |
| 10/8/2017 14:15 | 317700 | 150.998 | 21.075 | 348.649 | 717.284 | 775.416 | 0.383 | 527.283 | 1394.147 | 0.998 | 14.619 |
| 10/8/2017 14:30 | 318600 | 151.029 | 21.094 | 348.722 | 715.296 | 772.963 | 0.382 | 525.615 | 1398.023 | 0.998 | 14.617 |
| 10/8/2017 14:45 | 319500 | 151.017 | 21.103 | 348.693 | 713.79  | 771.198 | 0.381 | 524.415 | 1400.972 | 0.998 | 14.613 |
| 10/8/2017 15:00 | 320400 | 151.009 | 21.093 | 348.676 | 712.373 | 769.653 | 0.38  | 523.364 | 1403.76  | 0.998 | 14.607 |
| 10/8/2017 15:15 | 321300 | 151.049 | 21.066 | 348.768 | 715.646 | 773.784 | 0.383 | 526.173 | 1397.339 | 0.998 | 14.617 |
| 10/8/2017 15:30 | 322200 | 151.022 | 21.082 | 348.705 | 715.688 | 773.583 | 0.382 | 526.036 | 1397.256 | 0.998 | 14.613 |
| 10/8/2017 15:45 | 323100 | 151.025 | 21.07  | 348.712 | 719.655 | 778.058 | 0.385 | 529.08  | 1389.555 | 0.998 | 14.608 |
| 10/8/2017 16:00 | 324000 | 151.069 | 21.072 | 348.815 | 718.705 | 776.995 | 0.384 | 528.356 | 1391.392 | 0.998 | 14.608 |
| 10/8/2017 16:15 | 324900 | 151.029 | 21.083 | 348.722 | 719.033 | 777.171 | 0.384 | 528.476 | 1390.758 | 0.998 | 14.611 |
| 10/8/2017 16:30 | 325800 | 151.021 | 21.082 | 348.704 | 717.539 | 775.383 | 0.383 | 527.397 | 1393.652 | 0.998 | 14.607 |
| 10/8/2017 16:45 | 326700 | 151.054 | 21.091 | 348.78  | 717.633 | 775.339 | 0.383 | 527.367 | 1393.47  | 0.998 | 14.611 |
| 10/8/2017 17:00 | 327600 | 151.018 | 21.075 | 348.696 | 719.343 | 777.634 | 0.385 | 528.791 | 1390.158 | 0.998 | 14.611 |
| 10/8/2017 17:15 | 328500 | 151.06  | 21.083 | 348.792 | 719.183 | 777.335 | 0.384 | 528.588 | 1390.466 | 0.998 | 14.61  |
| 10/8/2017 17:30 | 329400 | 151.073 | 21.076 | 348.822 | 718.748 | 776.974 | 0.384 | 528.342 | 1391.309 | 0.998 | 14.606 |
| 10/8/2017 17:45 | 330300 | 151.017 | 21.081 | 348.694 | 719.839 | 778.082 | 0.385 | 529.096 | 1389.199 | 0.998 | 14.612 |
| 10/8/2017 18:00 | 331200 | 151.056 | 21.087 | 348.783 | 719.034 | 777.118 | 0.384 | 528.44  | 1390.755 | 0.998 | 14.602 |
| 10/8/2017 18:15 | 332100 | 151.053 | 21.085 | 348.716 | 718.416 | 776.473 | 0.384 | 528.001 | 1391.951 | 0.998 | 14.609 |
| 10/8/2017 18:30 | 333000 | 151.067 | 21.082 | 348.809 | 715.483 | 773.348 | 0.382 | 525.877 | 1397.657 | 0.998 | 14.599 |
| 10/8/2017 18:45 | 333900 | 151.067 | 21.094 | 348.808 | 718.398 | 776.307 | 0.384 | 527.889 | 1391.987 | 0.998 | 14.605 |
| 10/8/20         |        |         |        |         |         |         |       |         |          |       |        |

|                  |        |         |        |         |         |         |       |         |          |       |        |
|------------------|--------|---------|--------|---------|---------|---------|-------|---------|----------|-------|--------|
| 10/10/2017 3:00  | 450000 | 151.137 | 21.096 | 348.97  | 713.233 | 770.706 | 0.381 | 524.08  | 1402.066 | 0.998 | 14.683 |
| 10/10/2017 3:15  | 450900 | 151.169 | 21.092 | 349.045 | 715.601 | 773.331 | 0.382 | 525.865 | 1397.427 | 0.998 | 14.688 |
| 10/10/2017 3:30  | 451800 | 151.133 | 21.087 | 348.962 | 714.903 | 772.646 | 0.382 | 525.399 | 1398.792 | 0.998 | 14.687 |
| 10/10/2017 3:45  | 452700 | 151.144 | 21.098 | 348.987 | 714.46  | 772.001 | 0.382 | 524.96  | 1399.658 | 0.998 | 14.682 |
| 10/10/2017 4:00  | 453600 | 151.184 | 21.092 | 349.08  | 716.301 | 774.082 | 0.383 | 526.376 | 1396.061 | 0.998 | 14.682 |
| 10/10/2017 4:15  | 454500 | 151.176 | 21.101 | 349.06  | 714.321 | 771.791 | 0.382 | 524.818 | 1399.931 | 0.998 | 14.681 |
| 10/10/2017 4:30  | 455400 | 151.186 | 21.088 | 349.083 | 715.342 | 773.101 | 0.382 | 525.709 | 1397.933 | 0.999 | 14.681 |
| 10/10/2017 4:45  | 456300 | 151.147 | 21.092 | 348.994 | 715.49  | 773.211 | 0.382 | 525.784 | 1397.643 | 0.998 | 14.682 |
| 10/10/2017 5:00  | 457200 | 151.151 | 21.08  | 349.004 | 715.983 | 773.924 | 0.383 | 526.268 | 1396.681 | 0.998 | 14.686 |
| 10/10/2017 5:15  | 458100 | 151.196 | 21.092 | 349.108 | 714.964 | 772.641 | 0.382 | 525.396 | 1398.672 | 0.998 | 14.685 |
| 10/10/2017 5:30  | 459000 | 151.157 | 21.089 | 349.018 | 716.293 | 774.122 | 0.383 | 526.403 | 1396.077 | 0.998 | 14.685 |
| 10/10/2017 5:45  | 459900 | 151.155 | 21.091 | 349.013 | 716.043 | 773.81  | 0.383 | 526.191 | 1396.564 | 0.998 | 14.686 |
| 10/10/2017 6:00  | 460800 | 151.193 | 21.081 | 349.101 | 716.132 | 774.069 | 0.383 | 526.367 | 1396.391 | 0.997 | 14.688 |
| 10/10/2017 6:15  | 461700 | 151.2   | 21.101 | 349.117 | 716.942 | 774.636 | 0.383 | 526.753 | 1394.812 | 0.998 | 14.689 |
| 10/10/2017 6:30  | 462600 | 151.208 | 21.102 | 349.135 | 713.084 | 770.443 | 0.381 | 523.901 | 1402.359 | 0.998 | 14.686 |
| 10/10/2017 6:45  | 463500 | 151.206 | 21.095 | 349.129 | 714.209 | 771.768 | 0.382 | 524.802 | 1400.151 | 0.998 | 14.689 |
| 10/10/2017 7:00  | 464400 | 151.206 | 21.089 | 349.13  | 715.033 | 772.764 | 0.382 | 525.479 | 1398.538 | 0.998 | 14.696 |
| 10/10/2017 7:15  | 465300 | 151.191 | 21.082 | 349.096 | 715.404 | 773.277 | 0.382 | 525.829 | 1397.811 | 0.998 | 14.695 |
| 10/10/2017 7:30  | 466200 | 151.168 | 21.095 | 349.047 | 715.967 | 773.665 | 0.382 | 526.092 | 1396.712 | 0.998 | 14.693 |
| 10/10/2017 7:45  | 467100 | 151.212 | 21.089 | 349.144 | 713.494 | 771.1   | 0.381 | 524.348 | 1401.553 | 0.998 | 14.695 |
| 10/10/2017 8:00  | 468000 | 151.232 | 21.091 | 349.19  | 713.495 | 771.06  | 0.381 | 524.321 | 1401.552 | 0.998 | 14.688 |
| 10/10/2017 8:15  | 468900 | 151.219 | 21.092 | 349.16  | 715.689 | 773.426 | 0.382 | 525.93  | 1397.255 | 0.998 | 14.689 |
| 10/10/2017 8:30  | 469800 | 151.182 | 21.09  | 349.073 | 715.455 | 773.195 | 0.382 | 525.773 | 1397.712 | 0.998 | 14.689 |
| 10/10/2017 8:45  | 470700 | 151.216 | 21.098 | 349.152 | 715.484 | 773.104 | 0.382 | 525.711 | 1397.655 | 0.998 | 14.697 |
| 10/10/2017 9:00  | 471600 | 151.224 | 21.091 | 349.17  | 715.724 | 773.479 | 0.382 | 525.966 | 1397.186 | 0.998 | 14.7   |
| 10/10/2017 9:15  | 472500 | 151.219 | 21.094 | 349.16  | 715.205 | 772.862 | 0.382 | 525.547 | 1398.2   | 0.998 | 14.701 |
| 10/10/2017 9:30  | 473400 | 151.223 | 21.092 | 349.169 | 716.916 | 774.741 | 0.383 | 526.824 | 1394.864 | 0.998 | 14.7   |
| 10/10/2017 9:45  | 474300 | 151.184 | 21.08  | 349.078 | 719.958 | 778.23  | 0.385 | 529.196 | 1388.971 | 0.998 | 14.699 |
| 10/10/2017 10:00 | 475200 | 151.2   | 21.091 | 349.117 | 717.456 | 775.344 | 0.383 | 527.234 | 1393.813 | 0.998 | 14.693 |
| 10/10/2017 10:15 | 476100 | 151.215 | 21.092 | 349.15  | 717.172 | 775.022 | 0.383 | 527.015 | 1394.365 | 0.998 | 14.697 |
| 10/10/2017 10:30 | 477000 | 151.221 | 21.096 | 349.165 | 714.158 | 771.203 | 0.381 | 524.758 | 1400.25  | 0.998 | 14.696 |
| 10/10/2017 10:45 | 477900 | 151.178 | 21.087 | 349.065 | 714.082 | 771.763 | 0.381 | 524.799 | 1400.4   | 0.998 | 14.7   |
| 10/10/2017 11:00 | 478800 | 151.188 | 21.088 | 349.089 | 717.059 | 774.968 | 0.383 | 526.978 | 1394.586 | 0.998 | 14.694 |
| 10/10/2017 11:15 | 479700 | 151.217 | 21.085 | 349.154 | 716.982 | 774.931 | 0.383 | 526.953 | 1394.735 | 0.998 | 14.699 |
| 10/10/2017 11:30 | 480600 | 151.217 | 21.094 | 349.156 | 716.78  | 774.571 | 0.383 | 526.708 | 1395.129 | 0.998 | 14.698 |
| 10/10/2017 11:45 | 481500 | 151.194 | 21.086 | 349.102 | 716.116 | 773.979 | 0.383 | 526.306 | 1396.422 | 0.998 | 14.699 |
| 10/10/2017 12:00 | 482400 | 151.219 | 21.085 | 349.159 | 716.57  | 774.488 | 0.383 | 526.652 | 1395.537 | 0.998 | 14.698 |
| 10/10/2017 12:15 | 483300 | 151.211 | 21.091 | 349.141 | 715.197 | 772.896 | 0.382 | 525.569 | 1398.216 | 0.998 | 14.697 |
| 10/10/2017 12:30 | 484200 | 151.186 | 21.094 | 349.084 | 715.748 | 773.455 | 0.382 | 525.949 | 1397.14  | 0.998 | 14.7   |
| 10/10/2017 12:45 | 485100 | 151.187 | 21.094 | 349.086 | 716.879 | 774.681 | 0.383 | 526.783 | 1394.936 | 0.998 | 14.692 |
| 10/10/2017 13:00 | 486000 | 151.226 | 21.084 | 349.177 | 716.897 | 774.846 | 0.383 | 526.895 | 1394.901 | 0.998 | 14.694 |
| 10/10/2017 13:15 | 486900 | 151.227 | 21.092 | 349.177 | 716.735 | 774.542 | 0.383 | 526.689 | 1395.216 | 0.998 | 14.697 |
| 10/10/2017 13:30 | 487800 | 151.214 | 21.092 | 349.148 | 716.274 | 774.654 | 0.383 | 526.357 | 1396.113 | 0.998 | 14.69  |
| 10/10/2017 13:45 | 488700 | 151.196 | 21.086 | 349.108 | 716.689 | 774.595 | 0.383 | 526.725 | 1395.304 | 0.998 | 14.686 |
| 10/10/2017 14:00 | 489600 | 151.175 | 21.084 | 349.059 | 718.578 | 776.668 | 0.384 | 528.135 | 1391.637 | 0.998 | 14.692 |
| 10/10/2017 14:15 | 490500 | 151.227 | 21.086 | 349.178 | 717.6   | 775.587 | 0.383 | 527.399 | 1393.535 | 0.998 | 14.688 |
| 10/10/2017 14:30 | 491400 | 151.201 | 21.089 | 349.118 | 718.998 | 777.047 | 0.384 | 528.392 | 1390.824 | 0.998 | 14.685 |
| 10/10/2017 14:45 | 492300 | 151.237 | 21.093 | 349.202 | 719.543 | 777.572 | 0.384 | 528.749 | 1389.771 | 0.998 | 14.686 |
| 10/10/2017 15:00 | 493200 | 151.201 | 21.09  | 349.118 | 718.001 | 775.852 | 0.384 | 527.648 | 1392.756 | 0.998 | 14.687 |
| 10/10/2017 15:15 | 494100 | 151.24  | 21.089 | 349.209 | 718.267 | 776.252 | 0.384 | 527.852 | 1392.24  | 0.998 | 14.682 |
| 10/10/2017 15:30 | 495000 | 151.211 | 21.083 | 349.141 | 719.537 | 777.722 | 0.385 | 528.851 | 1389.782 | 0.998 | 14.685 |
| 10/10/2017 15:45 | 495900 | 151.208 | 21.086 | 349.134 | 718.034 | 776.047 | 0.384 | 527.712 | 1392.692 | 0.998 | 14.691 |
| 10/10/2017 16:00 | 496800 | 151.249 | 21.099 | 349.23  | 716.161 | 773.818 | 0.383 | 526.197 | 1396.334 | 0.998 | 14.683 |
| 10/10/2017 16:15 | 497700 | 151.249 | 21.094 | 349.229 | 714.582 | 772.19  | 0.382 | 525.089 | 1399.42  | 0.998 | 14.687 |
| 10/10/2017 16:30 | 498600 | 151.26  | 21.09  | 349.255 | 715.142 | 772.852 | 0.382 | 525.54  | 1398.225 | 0.998 | 14.69  |
| 10/10/2017 16:45 | 499500 | 151.257 | 21.094 | 349.247 | 715.593 | 773.287 | 0.382 | 525.825 | 1397.443 | 0.998 | 14.69  |
| 10/10/2017 17:00 | 500400 | 151.225 | 21.086 | 349.173 | 716.373 | 774.258 | 0.383 | 526.496 | 1395.921 | 0.998 | 14.69  |
| 10/10/2017 17:15 | 501300 | 151.245 | 21.091 | 349.221 | 715.381 | 773.098 | 0.382 | 525.707 | 1397.857 | 0.998 | 14.689 |
| 10/10/2017 17:30 | 502200 | 151.262 | 21.092 | 349.259 | 715.494 | 773.207 | 0.382 | 525.781 | 1397.636 | 0.998 | 14.683 |
| 10/10/2017 17:45 | 503100 | 151.217 | 21.088 | 349.156 | 716.211 | 774.04  | 0.383 | 526.348 | 1396.236 | 0.998 | 14.685 |
| 10/10/2017 18:00 | 504000 | 151.272 | 21.078 | 349.282 | 717.149 | 775.223 | 0.383 | 527.152 | 1394.41  | 0.998 | 14.689 |
| 10/10/2017 18:15 | 504900 | 151.232 | 21.098 | 349.189 | 715.583 | 773.111 | 0.382 | 525.783 | 1397.462 | 0.998 | 14.687 |
| 10/10/2017 18:30 | 505800 | 151.267 | 21.093 | 349.271 | 718.102 | 776.011 | 0.384 | 527.688 | 1392.56  | 0.998 | 14.689 |
| 10/10/2017 18:45 | 506700 | 151.235 | 21.092 | 349.197 | 716.629 | 774.438 | 0.383 | 526.618 | 1395.421 | 0.998 | 14.687 |
| 10/10/2017 19:00 | 507600 | 151.27  | 21.096 | 349.277 | 716.788 | 774.549 | 0.383 | 526.694 | 1395.112 | 0.998 | 14.688 |
| 10/10/2017 19:15 | 508500 | 151.232 | 21.083 | 349.189 | 716.383 | 774.308 | 0.383 | 526.53  | 1395.902 | 0.998 | 14.693 |
| 10/10/2017 19:30 | 509400 | 151.226 | 21.094 | 349.175 | 715.798 | 773.513 | 0.382 | 525.989 | 1397.042 | 0.998 | 14.692 |
| 10/10/2017 19:45 | 510300 | 151.247 | 21.083 | 349.267 | 718.149 | 776.22  | 0.384 | 527.829 | 1397.469 | 0.998 | 14.69  |
| 10/10/2017 20:00 | 511200 | 151.268 | 21.091 | 349.273 | 719.91  | 777.989 | 0.385 | 529.032 | 1389.063 | 0.998 | 14.691 |
| 10/10/2017 20:15 | 512100 | 151.226 | 21.078 | 349.177 | 720.682 | 779.044 | 0.385 | 529.75  | 1387.574 | 0.998 | 14.689 |
| 10/10/2017 20:30 | 513000 | 151.201 | 21.087 | 349.117 | 718.432 | 776.463 | 0.384 | 527.995 | 1391.92  | 0.998 | 14.701 |
| 10/10/2017 20:45 | 513900 | 151.206 | 21.093 | 349.131 | 716.106 | 773.858 | 0.383 | 526.223 | 1396.442 | 0.998 | 14.693 |
| 10/10/2017 21:00 | 514800 | 151.206 | 21.091 | 349.13  | 718.437 | 776.397 | 0.384 | 527.95  | 1391.91  | 0.998 | 14.691 |
| 10/10/2017 21:15 | 515700 | 151.207 | 21.084 | 349.133 | 718.138 | 775.2   | 0.384 | 527.816 | 1392.49  | 0.998 | 14.694 |
| 10/10/2017 21:30 | 516600 | 151.236 | 21.083 | 349.2   | 719.682 | 777.883 | 0.385 | 528.961 | 1389.502 | 0.998 | 14.696 |
| 10/10/2017 21:45 | 517500 | 151.198 | 21.09  | 349.111 | 719.125 | 777.158 | 0.384 | 528.468 | 1390.58  | 0.998 | 14.695 |
| 10/10/2017 22:00 | 518400 | 151.227 | 21.089 | 349.179 | 717.65  | 775.591 | 0.383 | 527.402 | 1393.438 | 0.998 | 14.696 |
| 10/10/2017 22:15 | 519300 | 151.195 | 21.086 | 349.104 | 717.815 | 775.81  | 0.384 | 527.551 | 1393.117 | 0.998 | 14.696 |
| 10/10/2017 22:30 | 520200 | 151.22  | 21.091 | 349.163 | 714.397 | 772.032 | 0.382 | 524.982 | 1399.782 | 0.998 | 14.699 |
| 10/10/2017 22:45 | 521100 | 151.214 | 21.099 | 349.148 | 715.524 | 773.114 | 0.382 | 525.718 | 1397.617 | 0.998 | 14.701 |
| 10/10/2017 23:00 | 522000 | 151.201 | 21.086 | 349.118 | 716.659 | 774.56  | 0.383 | 526.701 | 1395.364 | 0.998 | 14.703 |
| 10/10/2017 23:15 | 522900 | 151.197 | 21.078 | 349.109 | 716.925 | 774.977 | 0.383 | 526.984 | 1394.845 | 0.998 | 14.706 |
| 10/10/2017 23:30 | 523800 | 151.201 | 21.083 | 349.119 | 718.026 | 77      |       |         |          |       |        |

Report Date: 10/13/2017 8:37  
Report User Name: WMassoll  
Report Computer Name: WKST52  
Application: WinSitu.exe  
Application Version: 5.6.27.1

Log File Properties

|             |                                         |
|-------------|-----------------------------------------|
| File Name   | MPWSP MW-9M_2017-10-12_13-41-55-734.wsl |
| Create Date | 10/12/2017 13:41                        |

|                   |                |        |                |
|-------------------|----------------|--------|----------------|
| Device Properties |                |        |                |
| Device            | Aqua TROLL 200 |        |                |
| Site              | MPWSP MW-9     |        |                |
| Device Name       |                |        |                |
| Serial Number     | 410760         |        |                |
| Firmware Version  | 2              |        |                |
| Hardware Version  | 3              |        |                |
| Device Address    | 1              |        |                |
| Device Comm Cfg   | 19200          | 8 Even | 1 (Modbus-RTU) |
| Used Memory       | 90             |        |                |
| Used Battery      | 41             |        |                |

|                   |                      |                                             |
|-------------------|----------------------|---------------------------------------------|
| Log Configuration | Log Name             | MPWSP MW-9M                                 |
|                   | Created By           | AVanHaitsma                                 |
|                   | Computer Name        | PROBOOK2                                    |
|                   | Application          | WinSitu.exe                                 |
|                   | Application Version  | 5.6.27.1                                    |
|                   | Create Date          | 8/17/2017 11:39:08 AM Pacific Daylight Time |
|                   | Log Setup Time Zone  | Pacific Daylight Time                       |
|                   | Notes Size(bytes)    | 4096                                        |
|                   | Overwrite when full  | Enabled                                     |
|                   | Scheduled Start Time | 8/17/2017 11:45:00 AM Pacific Daylight Time |
|                   | Scheduled Stop Time  | No Stop Time                                |
|                   | Type                 | Linear                                      |
|                   | Interval             | Days: 0 hrs: 00 mins: 15 secs: 00           |

|                                          |                        |       |
|------------------------------------------|------------------------|-------|
| Level Reference Settings At Log Creation | Level Measurement Mode | Depth |
|                                          | Specific Gravity       | 1.024 |

|                              |                          |       |
|------------------------------|--------------------------|-------|
| Other Log Settings           |                          |       |
| Depth of Probe:              | 154.653 (ft)             |       |
| Head Pressure:               | 68.6556 (PSI)            |       |
| Temperature:                 | 16.7979 (C)              |       |
| Specific Conductivity Model: | Standard Methods         |       |
|                              | Reference Temperature:   | 2     |
|                              | Temperature Coefficient: | 0.019 |
| TDS Factor:                  | 0.68                     |       |

Log Notes:  
 Date and Time                      Note

8/17/2017 11:39 Used Battery: 41% Used Memory: 93% User Name: AVanHaitmsa

8/17/2017 12:00 Log Download - Used Battery: 41% Used Memory: 93% User Name: AVanHaitmsa Interval - Start Time: 8/17/2017 11:45:00 AM Stop Time: 8/17/2017 12:45:00 PM

8/24/2017 10:21 Log Download - Used Battery: 41% Used Memory: 93% User Name: AVanHaitmsa Interval - Start Time: 8/16/2017 10:00:00 PM Stop Time: 8/24/2017 11:15:00 AM

9/1/2017 12:54 Log Download - Used Battery: 42% Used Memory: 95% User Name: WMassoll Interval - Start Time: 8/17/2017 11:45:00 AM Stop Time: 9/1/2017 1:45:00 PM

9/7/2017 13:12 Log Download - Used Battery: 42% Used Memory: 95% User Name: WMassoll Interval - Start Time: 8/31/2017 10:00:00 PM Stop Time: 9/7/2017 1:00:00 PM

9/14/2017 13:18 Log Download - Used Battery: 42% Used Memory: 96% User Name: AVanHaitmsa Interval - Start Time: 9/6/2017 10:00:00 PM Stop Time: 9/14/2017 2:15:00 PM

9/21/2017 12:33 Log Download - Used Battery: 43% Used Memory: 96% User Name: AVanHaitmsa Interval - Start Time: 9/13/2017 10:00:00 PM Stop Time: 9/21/2017 1:30:00 PM

9/28/2017 12:15 Log Download - Used Battery: 43% Used Memory: 98% User Name: WMassoll Interval - Start Time: 9/20/2017 10:00:00 PM Stop Time: 9/28/2017 1:00:00 PM

10/5/2017 14:02 Log Download - Used Battery: 43% Used Memory: 98% User Name: WMassoll Interval - Start Time: 8/31/2017 10:00:00 PM Stop Time: 10/5/2017 2:45:00 PM

10/12/2017 13:41 Log Download - Used Battery: 44% Used Memory: 100% User Name: AVanHaitmsa Interval - Start Time: 10/4/2017 10:00:00 PM Stop Time: 10/12/2017 2:30:00 PM

Log Data:  
Record Count 735

|         |   |                                  |
|---------|---|----------------------------------|
| Sensors | 1 |                                  |
|         | 1 | 410760 PCTD 100 PSIG (70m/231ft) |

Time Zone: Pacific Daylight Time

| Date and Time   | Elapsed Time<br>Seconds | Sensor: PCTD(G) 231ft         | Sensor: PCTD(G) 231ft          | Sensor: PCTD(G) 231ft     | Sensor: PCTD(G) 231ft                      | Sensor: PCTD(G) 231ft                        | Sensor: PCTD(G) 231ft         | Sensor: PCTD(G) 231ft                       | Sensor: PCTD(G) 231ft               |                                      |
|-----------------|-------------------------|-------------------------------|--------------------------------|---------------------------|--------------------------------------------|----------------------------------------------|-------------------------------|---------------------------------------------|-------------------------------------|--------------------------------------|
|                 |                         | SN#: 410760<br>Pressure (PSI) | SN#: 410760<br>Temperature (C) | SN#: 410760<br>Depth (ft) | SN#: 410760<br>Actual Conductivity (µS/cm) | SN#: 410760<br>Specific Conductivity (µS/cm) | SN#: 410760<br>Salinity (PSU) | SN#: 410760<br>Total Dissolved Solids (ppm) | SN#: 410760<br>Resistivity (ohm-cm) | SN#: 410760<br>Water Density (g/cm3) |
| 10/5/2017 0:00  | 7200                    | 69.36                         | 16.805                         | 156.24                    | 37810.82                                   | 44827.824                                    | 29.131                        | 30483.922                                   | 26.447                              | 1.021                                |
| 10/5/2017 0:15  | 8100                    | 69.358                        | 16.807                         | 156.237                   | 37822.355                                  | 44839.191                                    | 29.139                        | 30490.652                                   | 26.439                              | 1.021                                |
| 10/5/2017 0:30  | 9000                    | 69.38                         | 16.804                         | 156.284                   | 37821.359                                  | 44840.871                                    | 29.14                         | 30491.795                                   | 26.44                               | 1.021                                |
| 10/5/2017 0:45  | 9900                    | 69.377                        | 16.807                         | 156.279                   | 37816.371                                  | 44831.469                                    | 29.133                        | 30485.398                                   | 26.444                              | 1.021                                |
| 10/5/2017 1:00  | 10800                   | 69.368                        | 16.801                         | 156.258                   | 37827.762                                  | 44851.754                                    | 29.148                        | 30499.195                                   | 26.436                              | 1.021                                |
| 10/5/2017 1:15  | 11700                   | 69.366                        | 16.809                         | 156.253                   | 37839.449                                  | 44856.875                                    | 29.152                        | 30502.678                                   | 26.427                              | 1.021                                |
| 10/5/2017 1:30  | 12600                   | 69.368                        | 16.807                         | 156.258                   | 37828.617                                  | 44845.988                                    | 29.144                        | 30495.273                                   | 26.435                              | 1.021                                |
| 10/5/2017 1:45  | 13500                   | 69.385                        | 16.813                         | 156.296                   | 37818.098                                  | 44828.004                                    | 29.131                        | 30483.043                                   | 26.442                              | 1.021                                |
| 10/5/2017 2:00  | 14400                   | 69.381                        | 16.808                         | 156.288                   | 37824.262                                  | 44840.563                                    | 29.14                         | 30491.582                                   | 26.438                              | 1.021                                |
| 10/5/2017 2:15  | 15300                   | 69.363                        | 16.81                          | 156.247                   | 37828.457                                  | 44843.137                                    | 29.142                        | 30493.336                                   | 26.435                              | 1.021                                |
| 10/5/2017 2:30  | 16200                   | 69.38                         | 16.801                         | 156.284                   | 37805.215                                  | 44825.289                                    | 29.129                        | 30481.199                                   | 26.451                              | 1.021                                |
| 10/5/2017 2:45  | 17100                   | 69.367                        | 16.802                         | 156.256                   | 37813.844                                  | 44833.742                                    | 29.135                        | 30486.945                                   | 26.445                              | 1.021                                |
| 10/5/2017 3:00  | 18000                   | 69.361                        | 16.806                         | 156.243                   | 37829.296                                  | 44848.707                                    | 29.146                        | 30497.121                                   | 26.434                              | 1.021                                |
| 10/5/2017 3:15  | 18900                   | 69.373                        | 16.81                          | 156.269                   | 37828.566                                  | 44843                                        | 29.142                        | 30493.242                                   | 26.435                              | 1.021                                |
| 10/5/2017 3:30  | 19800                   | 69.368                        | 16.806                         | 156.259                   | 37827.105                                  | 44845.895                                    | 29.144                        | 30495.211                                   | 26.436                              | 1.021                                |
| 10/5/2017 3:45  | 20700                   | 69.371                        | 16.816                         | 156.264                   | 37801.645                                  | 44805.566                                    | 29.115                        | 30467.787                                   | 26.454                              | 1.021                                |
| 10/5/2017 4:00  | 21600                   | 69.353                        | 16.811                         | 156.225                   | 37822.867                                  | 44835.438                                    | 29.136                        | 30488.1                                     | 26.439                              | 1.021                                |
| 10/5/2017 4:15  | 22500                   | 69.349                        | 16.801                         | 156.216                   | 37832.363                                  | 44857.117                                    | 29.152                        | 30502.842                                   | 26.432                              | 1.021                                |
| 10/5/2017 4:30  | 23400                   | 69.345                        | 16.799                         | 156.205                   | 37795.879                                  | 44816.086                                    | 29.122                        | 30474.941                                   | 26.458                              | 1.021                                |
| 10/5/2017 4:45  | 24300                   | 69.337                        | 16.802                         | 156.189                   | 37813.039                                  | 44832.789                                    | 29.134                        | 30486.297                                   | 26.446                              | 1.021                                |
| 10/5/2017 5:00  | 25200                   | 69.339                        | 16.801                         | 156.193                   | 37812.813                                  | 44833.852                                    | 29.135                        | 30487.02                                    | 26.446                              | 1.021                                |
| 10/5/2017 5:15  | 26100                   | 69.352                        | 16.801                         | 156.223                   | 37820.582                                  | 44842.785                                    | 29.141                        | 30493.096                                   | 26.441                              | 1.021                                |
| 10/5/2017 5:30  | 27000                   | 69.336                        | 16.803                         | 156.186                   | 37842.641                                  | 44866.805                                    | 29.159                        | 30509.43                                    | 26.425                              | 1.021                                |
| 10/5/2017 5:45  | 27900                   | 69.33                         | 16.807                         | 156.173                   | 37786.855                                  | 44797.023                                    | 29.108                        | 30461.979                                   | 26.464                              | 1.021                                |
| 10/5/2017 6:00  | 28800                   | 69.325                        | 16.812                         | 156.162                   | 37817.586                                  | 44828.637                                    | 29.132                        | 30483.475                                   | 26.443                              | 1.021                                |
| 10/5/2017 6:15  | 29700                   | 69.322                        | 16.807                         | 156.156                   | 37804.402                                  | 44817.551                                    | 29.123                        | 30475.938                                   | 26.452                              | 1.021                                |
| 10/5/2017 6:30  | 30600                   | 69.32                         | 16.802                         | 156.15                    | 37788.742                                  | 44804.602                                    | 29.114                        | 30467.131                                   | 26.463                              | 1.021                                |
| 10/5/2017 6:45  | 31500                   | 69.318                        | 16.802                         | 156.145                   | 37788.098                                  | 44803.039                                    | 29.113                        | 30466.068                                   | 26.463                              | 1.021                                |
| 10/5/2017 7:00  | 32400                   | 69.315                        | 16.815                         | 156.14                    | 37819.258                                  | 44826.801                                    | 29.13                         | 30482.225                                   | 26.442                              | 1.021                                |
| 10/5/2017 7:15  | 33300                   | 69.315                        | 16.802                         | 156.139                   | 37822.23                                   | 44844.211                                    | 29.142                        | 30494.066                                   | 26.439                              | 1.021                                |
| 10/5/2017 7:30  | 34200                   | 69.316                        | 16.803                         | 156.142                   | 37796.672                                  | 44812.664                                    | 29.12                         | 30472.613                                   | 26.457                              | 1.021                                |
| 10/5/2017 7:45  | 35100                   | 69.31                         | 16.804                         | 156.127                   | 37801.465                                  | 44817.539                                    | 29.123                        | 30475.93                                    | 26.454                              | 1.021                                |
| 10/5/2017 8:00  | 36000                   | 69.318                        | 16.803                         | 156.145                   | 37812.512                                  | 44831.797                                    | 29.133                        | 30485.625                                   | 26.446                              | 1.021                                |
| 10/5/2017 8:15  | 36900                   | 69.315                        | 16.808                         | 156.138                   | 37790.395                                  | 44800.227                                    | 29.111                        | 30464.154                                   | 26.462                              | 1.021                                |
| 10/5/2017 8:30  | 37800                   | 69.322                        | 16.796                         | 156.154                   | 37811.113                                  | 44836.555                                    | 29.136                        | 30488.859                                   | 26.447                              | 1.021                                |
| 10/5/2017 8:45  | 38700                   | 69.319                        | 16.816                         | 156.147                   | 37831.527                                  | 44840.438                                    | 29.14                         | 30491.498                                   | 26.433                              | 1.021                                |
| 10/5/2017 9:00  | 39600                   | 69.323                        | 16.816                         | 156.157                   | 37822.297                                  | 44829.949                                    | 29.133                        | 30484.367                                   | 26.439                              | 1.021                                |
| 10/5/2017 9:15  | 40500                   | 69.34                         | 16.812                         | 156.194                   | 37798.711                                  | 44806.449                                    | 29.116                        | 30468.387                                   | 26.456                              | 1.021                                |
| 10/5/2017 9:30  | 41400                   | 69.325                        | 16.809                         | 156.162                   | 37779.117                                  | 44785.262                                    | 29.1                          | 30453.98                                    | 26.47                               | 1.021                                |
| 10/5/2017 9:45  | 42300                   | 69.332                        | 16.804                         | 156.176                   | 37805.035                                  | 44821.152                                    | 29.126                        | 30478.387                                   | 26.452                              | 1.021                                |
| 10/5/2017 10:00 | 43200                   | 69.348                        | 16.812                         | 156.214                   | 37812.617                                  | 44822.313                                    | 29.127                        | 30479.174                                   | 26.446                              | 1.021                                |
| 10/5/2017 10:15 | 44100                   | 69.351                        | 16.804                         | 156.22                    | 37821.387                                  | 44840.633                                    | 29.14                         | 30491.633                                   | 26.44                               | 1.021                                |
| 10/5/2017 10:30 | 45000                   | 69.342                        | 16.809                         | 156.2                     | 37806.578                                  | 44818.438                                    | 29.124                        | 30476.537                                   | 26.45                               | 1.021                                |
| 10/5/2017 10:45 | 45900                   | 69.354                        | 16.812                         | 156.228                   | 37824.574                                  | 44836.121                                    | 29.137                        | 30488.564                                   | 26.438                              | 1.021                                |
| 10/5/2017 11:00 | 46800                   | 69.361                        | 16.823                         | 156.241                   | 37828.09                                   | 44829.246                                    | 29.133                        | 30483.889                                   | 26.435                              | 1.021                                |
| 10/5/2017 11:15 | 47700                   | 69.372                        | 16.805                         | 156.268                   | 37831.488                                  | 44851.902                                    | 29.148                        | 30499.295                                   | 26.433                              | 1.021                                |
| 10/5/2017 11:30 | 48600                   | 69.356                        | 16.805                         | 156.231                   | 37797.754                                  | 44812.332                                    | 29.119                        | 30472.387                                   | 26.457                              | 1.021                                |
| 10/5/2017 11:45 | 49500                   | 69.363                        | 16.797                         | 156.247                   | 37802.637                                  | 44825.34                                     | 29.128                        | 30481.232                                   | 26.453                              | 1.021                                |
| 10/5/2017 12:00 | 50400                   | 69.362                        | 16.811                         | 156.244                   | 37862.617                                  | 44883.188                                    | 29.171                        | 30520.57                                    | 26.411                              | 1.021                                |
| 10/5/2017 12:15 | 51300                   | 69.372                        | 16.806                         | 156.267                   | 37831.617                                  | 44851.328                                    | 29.148                        | 30498.904                                   | 26.433                              | 1.021                                |
| 10/5/2017 12:30 | 52200                   | 69.373                        | 16.813                         | 156.27                    | 37807.141                                  | 44815.371                                    | 29.122                        | 30474.455                                   | 26.45                               | 1.021                                |
| 10/5/2017 12:45 | 53100                   | 69.371                        | 16.81                          | 156.264                   | 37818.359                                  | 44831.699                                    | 29.134                        | 30485.557                                   | 26.442                              | 1.021                                |
| 10/5/2017 13:00 | 54000                   | 69.377                        | 16.803                         | 156.279                   | 37814.195                                  | 44832.996                                    | 29.134                        | 30486.439                                   | 26.445                              | 1.021                                |
| 10/5/2017 13:15 | 54900                   | 69.376                        | 16.815                         | 156.276                   | 37828.43                                   | 44838.105                                    | 29.139                        | 30489.914                                   | 26.435                              | 1.021                                |
| 10/5/2017 13:30 | 55800                   | 69.378                        | 16.804                         | 156.282                   | 37819.484                                  | 44838.723                                    | 29.138                        | 30490.334                                   | 26.441                              | 1.021                                |
| 10/5/2017 13:45 | 56700                   | 69.383                        | 16.807                         | 156.292                   | 37834.746                                  | 44853.879                                    | 29.15                         | 30500.641                                   | 26.431                              | 1.021                                |
| 10/5/2017 14:00 | 57600                   | 69.381                        | 16.811                         | 156.288                   | 37750.641                                  | 44750.445                                    | 29.075                        | 30430.303                                   | 26.49                               | 1.021                                |
| 10/5/2017 14:15 | 58500                   | 69.378                        | 16.811                         | 156.281                   | 37888.836                                  | 44913.723                                    | 29.193                        | 30541.334                                   | 26.393                              | 1.021                                |
| 10/5/2017 14:30 | 59400                   | 69.381                        | 16.803                         | 156.288                   | 35426.148                                  | 42001.777                                    | 27.099                        | 28561.211                                   | 28.228                              | 1.02                                 |
| 10/5/2017 14:45 | 60300                   | 69.397                        | 16.812                         | 156.325                   | 37881.316                                  | 44903.57                                     | 29.186                        | 30534.43                                    | 26.398                              | 1.021                                |
| 10/5/2017 15:00 | 61200                   | 69.383                        | 16.811                         | 156.291                   | 37789.957                                  | 44796.426                                    | 29.108                        | 30461.572                                   | 26.462                              | 1.021                                |
| 10/5/2017 15:15 | 62100                   | 69.398                        | 16.813                         | 156.326                   | 37831.355                                  | 44843.633                                    | 29.142                        | 30493.672                                   | 26.433                              | 1.021                                |
| 10/5/2017 15:30 | 63000                   | 69.38                         | 16.798                         | 156.286                   | 37816.879                                  | 44841.254                                    | 29.14                         | 30492.055                                   | 26.443                              | 1.021                                |
| 10/5/2017 15:45 | 63900                   | 69.374                        | 16.801                         | 156.273                   | 37822.398                                  | 44845.488                                    | 29.143                        | 30494.932                                   | 26.439                              | 1.021                                |
| 10/5/2017 16:00 | 64800                   | 69.374                        | 16.799                         | 156.271                   | 37786.582                                  | 44805.242                                    | 29.114                        | 30467.566                                   | 26.464                              | 1.021                                |
| 10/5/2017 16:15 | 65700                   | 69.388                        | 16.801                         | 156.304                   | 37806.875                                  | 44827.082                                    | 29.13                         | 30482.418                                   | 26.45                               | 1.021                                |
| 10/5/2017 16:30 | 66600                   | 69.37                         | 16.818                         | 156.262                   | 37852.09                                   | 44862.68                                     | 29.157                        | 30506.625                                   | 26.419                              | 1.021                                |
| 10/5/2017 16:45 | 67500                   | 69.37                         | 16.803                         | 156.263                   | 37817.043                                  | 44836.73                                     | 29.137                        | 30488.977                                   | 26.443                              | 1.021                                |
| 10/5/2017 17:00 | 68400                   | 69.361                        | 16.806                         | 156.242                   | 37798.277                                  | 44811.277                                    | 29.119                        | 30471.67                                    | 26.455                              | 1.021                                |
| 10/5/2017 17:15 | 69300                   | 69.377                        | 16.812                         | 156.278                   | 37831.176                                  | 44844.836                                    | 29.143                        | 30494.49                                    | 26.433                              | 1.021                                |
| 10/5/2017 17:30 | 70200                   | 69.358                        | 16.812                         | 156.235                   | 37828.266                                  | 44841.387                                    | 29.141                        | 30492.145                                   | 26.435                              | 1.021                                |
| 10/5/2017 17:45 | 71100                   | 69.345                        | 16.812                         | 156.206                   | 37813.27                                   | 44823.344                                    | 29.128                        | 30479.875                                   | 26.446                              | 1.021                                |
| 10/5/2017 18:00 | 72000                   | 69.346                        | 16.812                         | 156.209                   | 37834.313                                  | 44848.652                                    | 29.146                        | 30497.086                                   | 26.341                              | 1.021                                |
| 10/5/2017 18:15 | 72900                   | 69.344                        | 16.806                         | 156.204                   | 37797.621                                  | 44810.402                                    | 29.118                        | 30471.074                                   | 26.457                              | 1.021                                |
| 10/5/2017 18:30 | 73800                   | 69.358                        | 16.801                         | 156.236                   | 37808.844                                  | 44829.594                                    | 29.132                        | 30484.127                                   | 26.449                              | 1.021                                |
| 10/5/2017 18:45 | 74700                   | 69.341                        | 16.808                         | 156.197                   | 37801.035                                  | 44812.84                                     | 29.12                         | 30472.732                                   | 26.454                              | 1.021                                |
| 10/5/2017 19:00 | 75600                   | 69.352                        | 16.808                         | 156.222                   | 37829.531                                  | 44846.625                                    | 29.144                        | 30495.707                                   | 26.434                              | 1.021                                |
| 10/5/2017 19:15 | 76500                   | 69.336                        | 16.805                         | 156.187                   | 37815.449                                  | 44832.438                                    | 29.134                        | 30486.059                                   | 26.444                              | 1.021                                |
| 10/5/2017 19:30 | 77400                   | 69.331                        | 16.802                         | 156.175                   | 37826.25                                   | 44848.887                                    | 29.146                        | 30497.246                                   | 26.437                              | 1.021                                |
| 10/5/2017 19:45 | 78300                   | 69.349                        | 16.812                         | 156.215                   | 37822.336                                  | 44834.18                                     | 29.136                        | 30487.244                                   | 26.439                              | 1.021                                |
| 10/5/2017 20:00 | 79200                   | 69.336                        | 16.81                          | 156.187                   | 37831.488                                  | 44846.73                                     | 29.145                        | 30495.779                                   | 26.433                              | 1.021                                |
| 10/5/2017 20:15 | 80100                   | 69.333                        | 16.812                         | 156.179                   | 37829.313                                  | 44841.824                                    | 29.141                        | 30492.443                                   | 26.435                              | 1.021                                |
| 10/5/2017 20:30 | 81000                   | 69.329                        | 16.81                          | 156.171                   | 37804.234                                  | 44814.059                                    | 29.121                        | 30473.563                                   | 26.452                              | 1.021                                |
| 10/5/2017 20:45 | 81900                   | 69.332                        | 16.802                         | 156.177                   | 37827.738                                  | 44850.395                                    | 29.147                        | 30498.27                                    | 26.436                              | 1.021                                |
| 10/5/2017 21:00 | 82800                   | 69.332                        | 16.804                         | 156.178                   | 37835.688                                  | 44858.215                                    | 29.152                        | 30503.588                                   | 26.43                               | 1.021                                |
| 10/5/2017 21:15 | 83700                   | 69.334                        | 16.809                         | 156.182                   |                                            |                                              |                               |                                             |                                     |                                      |

|                 |          |        |        |         |           |           |        |           |        |       |
|-----------------|----------|--------|--------|---------|-----------|-----------|--------|-----------|--------|-------|
| 10/5/2017 23:45 | 92700    | 69.375 | 16.81  | 156.274 | 37816.18  | 44828.395 | 29.131 | 30483.311 | 26.444 | 1.021 |
| 10/6/2017 0:00  | 93600    | 69.361 | 16.811 | 156.243 | 37799.063 | 44807.043 | 29.116 | 30468.791 | 26.456 | 1.021 |
| 10/6/2017 0:15  | 94500    | 69.361 | 16.81  | 156.243 | 37823.758 | 44837.734 | 29.138 | 30489.662 | 26.438 | 1.021 |
| 10/6/2017 0:30  | 95400    | 69.365 | 16.816 | 156.251 | 37825.754 | 44834.313 | 29.136 | 30487.334 | 26.437 | 1.021 |
| 10/6/2017 0:45  | 96300    | 69.368 | 16.804 | 156.258 | 37801.531 | 44817.363 | 29.123 | 30475.807 | 26.454 | 1.021 |
| 10/6/2017 1:00  | 97200    | 69.389 | 16.806 | 156.305 | 37814.961 | 44831.758 | 29.133 | 30485.598 | 26.445 | 1.021 |
| 10/6/2017 1:15  | 98100    | 69.388 | 16.806 | 156.303 | 37821.695 | 44839.215 | 29.139 | 30490.668 | 26.44  | 1.021 |
| 10/6/2017 1:30  | 99000    | 69.374 | 16.801 | 156.272 | 37797.883 | 44815.707 | 29.122 | 30474.684 | 26.457 | 1.021 |
| 10/6/2017 1:45  | 99900    | 69.377 | 16.803 | 156.279 | 37819.867 | 44839.719 | 29.139 | 30491.01  | 26.441 | 1.021 |
| 10/6/2017 2:00  | 100800   | 69.373 | 16.794 | 156.269 | 37799.777 | 44825.691 | 29.128 | 30481.473 | 26.455 | 1.021 |
| 10/6/2017 2:15  | 101700   | 69.397 | 16.794 | 156.324 | 37798.254 | 44823.527 | 29.127 | 30480     | 26.456 | 1.021 |
| 10/6/2017 2:30  | 102600   | 69.394 | 16.807 | 156.316 | 37824.566 | 44842.078 | 29.141 | 30492.615 | 26.438 | 1.021 |
| 10/6/2017 2:45  | 103500   | 69.376 | 16.814 | 156.277 | 37818.266 | 44826.676 | 29.13  | 30482.141 | 26.442 | 1.021 |
| 10/6/2017 3:00  | 104400   | 69.392 | 16.817 | 156.313 | 37840.582 | 44850.371 | 29.148 | 30498.252 | 26.427 | 1.021 |
| 10/6/2017 3:15  | 105300   | 69.376 | 16.804 | 156.277 | 37822.285 | 44842.145 | 29.141 | 30492.66  | 26.439 | 1.021 |
| 10/6/2017 3:30  | 106200   | 69.376 | 16.804 | 156.276 | 37817.301 | 44836.414 | 29.137 | 30488.764 | 26.443 | 1.021 |
| 10/6/2017 3:45  | 107100   | 69.372 | 16.812 | 156.268 | 37818.199 | 44828.652 | 29.132 | 30483.486 | 26.442 | 1.021 |
| 10/6/2017 4:00  | 108000   | 69.368 | 16.808 | 156.259 | 37818.898 | 44834.297 | 29.135 | 30487.324 | 26.442 | 1.021 |
| 10/6/2017 4:15  | 108900   | 69.367 | 16.817 | 156.256 | 37822.926 | 44829.988 | 29.133 | 30484.395 | 26.439 | 1.021 |
| 10/6/2017 4:30  | 109800   | 69.365 | 16.806 | 156.251 | 37820.594 | 44837.996 | 29.138 | 30489.84  | 26.441 | 1.021 |
| 10/6/2017 4:45  | 110700   | 69.361 | 16.8   | 156.243 | 37804.086 | 44824.301 | 29.128 | 30480.525 | 26.452 | 1.021 |
| 10/6/2017 5:00  | 111600   | 69.361 | 16.803 | 156.242 | 37807.395 | 44825.121 | 29.129 | 30481.082 | 26.45  | 1.021 |
| 10/6/2017 5:15  | 112500   | 69.357 | 16.812 | 156.234 | 37810.359 | 44820.16  | 29.125 | 30477.711 | 26.448 | 1.021 |
| 10/6/2017 5:30  | 113400   | 69.355 | 16.805 | 156.23  | 37805.648 | 44821.27  | 29.126 | 30478.465 | 26.451 | 1.021 |
| 10/6/2017 5:45  | 114300   | 69.351 | 16.817 | 156.221 | 37824.66  | 44831.855 | 29.134 | 30485.664 | 26.438 | 1.021 |
| 10/6/2017 6:00  | 115200   | 69.367 | 16.811 | 156.257 | 37808.477 | 44818.637 | 29.124 | 30476.676 | 26.449 | 1.021 |
| 10/6/2017 6:15  | 116100   | 69.349 | 16.827 | 156.214 | 37838.16  | 44837.977 | 29.139 | 30489.826 | 26.428 | 1.021 |
| 10/6/2017 6:30  | 117000   | 69.359 | 16.828 | 156.238 | 37810.777 | 44804.469 | 29.115 | 30467.041 | 26.447 | 1.021 |
| 10/6/2017 6:45  | 117900   | 69.339 | 16.825 | 156.194 | 37827.195 | 44826.934 | 29.131 | 30482.314 | 26.436 | 1.021 |
| 10/6/2017 7:00  | 118800   | 69.354 | 16.816 | 156.228 | 37825.59  | 44833.32  | 29.135 | 30486.66  | 26.437 | 1.021 |
| 10/6/2017 7:15  | 119700   | 69.338 | 16.804 | 156.19  | 37783.926 | 44796.566 | 29.108 | 30461.668 | 26.466 | 1.021 |
| 10/6/2017 7:30  | 120600   | 69.356 | 16.802 | 156.232 | 37813.672 | 44833.801 | 29.135 | 30486.986 | 26.445 | 1.021 |
| 10/6/2017 7:45  | 121500   | 69.354 | 16.802 | 156.226 | 37800.113 | 44817.543 | 29.123 | 30475.932 | 26.455 | 1.021 |
| 10/6/2017 8:00  | 122400   | 69.348 | 16.804 | 156.213 | 37797.609 | 44812.789 | 29.12  | 30472.697 | 26.457 | 1.021 |
| 10/6/2017 8:15  | 123300   | 69.35  | 16.808 | 156.218 | 37838.402 | 44857.418 | 29.152 | 30503.047 | 26.428 | 1.021 |
| 10/6/2017 8:30  | 124200   | 69.337 | 16.805 | 156.189 | 37809.148 | 44825.043 | 29.129 | 30481.031 | 26.449 | 1.021 |
| 10/6/2017 8:45  | 125100   | 69.338 | 16.815 | 156.191 | 37827.262 | 44837.086 | 29.138 | 30489.219 | 26.436 | 1.021 |
| 10/6/2017 9:00  | 126000   | 69.354 | 16.8   | 156.227 | 37814.625 | 44836.797 | 29.137 | 30489.023 | 26.445 | 1.021 |
| 10/6/2017 9:15  | 126900   | 69.34  | 16.821 | 156.195 | 37846.117 | 44853.191 | 29.15  | 30500.172 | 26.423 | 1.021 |
| 10/6/2017 9:30  | 127800   | 69.343 | 16.811 | 156.202 | 37793.68  | 44801.363 | 29.112 | 30464.93  | 26.459 | 1.021 |
| 10/6/2017 9:45  | 128700   | 69.348 | 16.806 | 156.213 | 37795.922 | 44808.559 | 29.117 | 30469.822 | 26.458 | 1.021 |
| 10/6/2017 10:00 | 129600   | 69.345 | 16.806 | 156.206 | 37810.449 | 44826.145 | 29.129 | 30481.781 | 26.448 | 1.021 |
| 10/6/2017 10:15 | 130500   | 69.367 | 16.812 | 156.255 | 37830.391 | 44843.203 | 29.142 | 30493.379 | 26.434 | 1.021 |
| 10/6/2017 10:30 | 131400   | 69.356 | 16.807 | 156.232 | 37828.457 | 44846.691 | 29.144 | 30495.752 | 26.435 | 1.021 |
| 10/6/2017 10:45 | 132300   | 69.371 | 16.803 | 156.265 | 37830.676 | 44853.148 | 29.149 | 30500.141 | 26.434 | 1.021 |
| 10/6/2017 11:00 | 133200   | 69.379 | 16.808 | 156.284 | 37804.129 | 44816.508 | 29.123 | 30475.227 | 26.452 | 1.021 |
| 10/6/2017 11:15 | 134100   | 69.367 | 16.802 | 156.256 | 37834.523 | 44858.34  | 29.152 | 30503.674 | 26.431 | 1.021 |
| 10/6/2017 11:30 | 135000   | 69.371 | 16.808 | 156.264 | 37820.543 | 44835.621 | 29.136 | 30488.225 | 26.441 | 1.021 |
| 10/6/2017 11:45 | 135900   | 69.389 | 16.808 | 156.305 | 37834.215 | 44851.914 | 29.148 | 30499.305 | 26.431 | 1.021 |
| 10/6/2017 12:00 | 136800   | 69.382 | 16.808 | 156.29  | 37834.809 | 44853.066 | 29.149 | 30500.088 | 26.431 | 1.021 |
| 10/6/2017 12:15 | 137700   | 69.387 | 16.803 | 156.301 | 37827.105 | 44849.195 | 29.146 | 30497.453 | 26.436 | 1.021 |
| 10/6/2017 12:30 | 138600   | 69.389 | 16.805 | 156.305 | 37849.438 | 44873.184 | 29.163 | 30513.768 | 26.42  | 1.021 |
| 10/6/2017 12:45 | 139500   | 69.392 | 16.799 | 156.312 | 37813.938 | 44837.68  | 29.137 | 30489.625 | 26.445 | 1.021 |
| 10/6/2017 13:00 | 140400   | 69.395 | 16.807 | 156.318 | 37812.195 | 44826.875 | 29.13  | 30482.277 | 26.446 | 1.021 |
| 10/6/2017 13:15 | 141300   | 69.401 | 16.803 | 156.332 | 37825.094 | 44846.273 | 29.144 | 30495.469 | 26.437 | 1.021 |
| 10/6/2017 13:30 | 142200   | 69.417 | 16.808 | 156.368 | 37830.445 | 44847.895 | 29.145 | 30496.57  | 26.434 | 1.021 |
| 10/6/2017 13:45 | 143100   | 69.408 | 16.808 | 156.348 | 37840.059 | 44859.469 | 29.154 | 30504.439 | 26.427 | 1.021 |
| 10/6/2017 14:00 | 144000   | 69.408 | 16.808 | 156.349 | 37823.414 | 44839.199 | 29.139 | 30490.658 | 26.439 | 1.021 |
| 10/6/2017 14:15 | 144900   | 69.407 | 16.801 | 156.347 | 37818.508 | 44840.688 | 29.14  | 30491.668 | 26.442 | 1.021 |
| 10/6/2017 14:30 | 145800   | 69.412 | 16.805 | 156.358 | 37840.313 | 44862.441 | 29.156 | 30506.463 | 26.427 | 1.021 |
| 10/6/2017 14:45 | 146700   | 69.411 | 16.808 | 156.356 | 37809.52  | 44822.465 | 29.127 | 30479.279 | 26.448 | 1.021 |
| 10/6/2017 15:00 | 147600   | 69.41  | 16.802 | 156.353 | 37826.41  | 44848.816 | 29.146 | 30497.195 | 26.437 | 1.021 |
| 10/6/2017 15:15 | 148500   | 69.407 | 16.808 | 156.346 | 37836.641 | 44855.148 | 29.15  | 30501.504 | 26.429 | 1.021 |
| 10/6/2017 15:30 | 149400   | 69.404 | 16.812 | 156.339 | 37843.156 | 44858.863 | 29.153 | 30504.027 | 26.425 | 1.021 |
| 10/6/2017 15:45 | 150300   | 69.404 | 16.809 | 156.339 | 37827.805 | 44843.328 | 29.142 | 30493.463 | 26.436 | 1.021 |
| 10/6/2017 16:00 | 151200   | 69.4   | 16.812 | 156.331 | 37853.516 | 44870.691 | 29.162 | 30512.072 | 26.418 | 1.021 |
| 10/6/2017 16:15 | 152100   | 69.397 | 16.799 | 156.324 | 37809.996 | 44832.914 | 29.134 | 30486.383 | 26.448 | 1.021 |
| 10/6/2017 16:30 | 153000   | 69.396 | 16.8   | 156.322 | 37833.355 | 44859.102 | 29.153 | 30504.191 | 26.432 | 1.021 |
| 10/6/2017 16:45 | 153900   | 69.409 | 16.791 | 156.35  | 37816.336 | 44848.637 | 29.145 | 30497.076 | 26.444 | 1.021 |
| 10/6/2017 17:00 | 154800   | 69.402 | 16.81  | 156.335 | 37821.516 | 44834.906 | 29.136 | 30487.738 | 26.44  | 1.021 |
| 10/6/2017 17:15 | 155700   | 69.384 | 16.807 | 156.293 | 37816.711 | 44832.68  | 29.134 | 30486.223 | 26.443 | 1.021 |
| 10/6/2017 17:30 | 156600   | 69.382 | 16.801 | 156.29  | 37825.176 | 44848.152 | 29.145 | 30496.746 | 26.437 | 1.021 |
| 10/6/2017 17:45 | 157500   | 69.393 | 16.805 | 156.314 | 37821.668 | 44839.813 | 29.139 | 30491.074 | 26.44  | 1.021 |
| 10/6/2017 18:00 | 158400   | 69.376 | 16.806 | 156.277 | 37804.32  | 44818.516 | 29.124 | 30476.594 | 26.452 | 1.021 |
| 10/6/2017 18:15 | 159300   | 69.371 | 16.808 | 156.266 | 37826.66  | 44842.871 | 29.142 | 30493.154 | 26.436 | 1.021 |
| 10/6/2017 18:30 | 160200   | 69.38  | 16.808 | 156.286 | 37813.227 | 44827.48  | 29.13  | 30482.689 | 26.446 | 1.021 |
| 10/6/2017 18:45 | 161100   | 69.365 | 16.802 | 156.251 | 37804.133 | 44822.051 | 29.126 | 30478.996 | 26.452 | 1.021 |
| 10/6/2017 19:00 | 162000   | 69.358 | 16.813 | 156.237 | 37824.488 | 44835.578 | 29.137 | 30488.195 | 26.438 | 1.021 |
| 10/6/2017 19:15 | 162900   | 69.352 | 16.804 | 156.223 | 37822.59  | 44842.855 | 29.141 | 30493.143 | 26.439 | 1.021 |
| 10/6/2017 19:30 | 163800   | 69.35  | 16.811 | 156.218 | 37827.613 | 44841.063 | 29.141 | 30491.922 | 26.436 | 1.021 |
| 10/6/2017 19:45 | 164700   | 69.35  | 16.811 | 156.217 | 37833.172 | 44847.652 | 29.145 | 30496.406 | 26.432 | 1.021 |
| 10/6/2017 20:00 | 165600   | 69.363 | 16.814 | 156.246 | 37795.391 | 44799.836 | 29.111 | 30463.891 | 26.458 | 1.021 |
| 10/6/2017 20:15 | 166500   | 69.342 | 16.809 | 156.199 | 37801.285 | 44812.535 | 29.12  | 30472.525 | 26.454 | 1.021 |
| 10/6/2017 20:30 | 167400   | 69.34  | 16.817 | 156.195 | 37807.156 | 44811.383 | 29.119 | 30471.742 | 26.45  | 1.021 |
| 10/6/2017 20:45 | 168300   | 69.339 | 16.804 | 156.193 | 37811.293 | 44829.113 | 29.131 | 30483.799 | 26.447 | 1.021 |
| 10/6/2017 21:00 | 169200   | 69.339 | 16.803 | 156.193 | 37824.031 | 44845.273 | 29.143 | 30494.789 | 26.438 | 1.021 |
| 10/6/2017 21:15 | 170100   | 69.352 | 16.809 | 156.223 | 37813.469 | 44826.164 | 29.13  | 30481.793 | 26.446 | 1.021 |
| 10/6/2017 21:30 | 171000</ |        |        |         |           |           |        |           |        |       |

|                 |        |        |        |         |           |           |        |           |        |       |
|-----------------|--------|--------|--------|---------|-----------|-----------|--------|-----------|--------|-------|
| 10/7/2017 20:15 | 252900 | 69.378 | 16.805 | 156.28  | 37808.301 | 44824.039 | 29.128 | 30480.348 | 26.449 | 1.021 |
| 10/7/2017 20:30 | 253800 | 69.39  | 16.802 | 156.308 | 37800.32  | 44818.504 | 29.124 | 30476.584 | 26.455 | 1.021 |
| 10/7/2017 20:45 | 254700 | 69.382 | 16.799 | 156.29  | 37778.582 | 44795.316 | 29.107 | 30460.816 | 26.47  | 1.021 |
| 10/7/2017 21:00 | 255600 | 69.383 | 16.809 | 156.291 | 37809.672 | 44822.477 | 29.127 | 30479.287 | 26.448 | 1.021 |
| 10/7/2017 21:15 | 256500 | 69.377 | 16.812 | 156.278 | 37815.473 | 44825.867 | 29.13  | 30481.592 | 26.444 | 1.021 |
| 10/7/2017 21:30 | 257400 | 69.358 | 16.804 | 156.237 | 37809.734 | 44827.523 | 29.13  | 30482.717 | 26.448 | 1.021 |
| 10/7/2017 21:45 | 258300 | 69.355 | 16.808 | 156.229 | 37798.316 | 44809.719 | 29.118 | 30470.611 | 26.456 | 1.021 |
| 10/7/2017 22:00 | 259200 | 69.357 | 16.813 | 156.234 | 37821.625 | 44832.363 | 29.134 | 30486.01  | 26.44  | 1.021 |
| 10/7/2017 22:15 | 260100 | 69.357 | 16.813 | 156.234 | 37799.012 | 44805.457 | 29.115 | 30467.713 | 26.456 | 1.021 |
| 10/7/2017 22:30 | 261000 | 69.352 | 16.803 | 156.223 | 37801.371 | 44817.875 | 29.123 | 30476.158 | 26.454 | 1.021 |
| 10/7/2017 22:45 | 261900 | 69.371 | 16.819 | 156.264 | 37813.676 | 44816.879 | 29.123 | 30475.479 | 26.445 | 1.021 |
| 10/7/2017 23:00 | 262800 | 69.367 | 16.817 | 156.255 | 37824.992 | 44831.895 | 29.134 | 30485.691 | 26.438 | 1.021 |
| 10/7/2017 23:15 | 263700 | 69.359 | 16.796 | 156.239 | 37812.727 | 44839.266 | 29.138 | 30490.701 | 26.446 | 1.021 |
| 10/7/2017 23:30 | 264600 | 69.357 | 16.806 | 156.234 | 37794.98  | 44807.367 | 29.116 | 30469.012 | 26.459 | 1.021 |
| 10/7/2017 23:45 | 265500 | 69.357 | 16.811 | 156.234 | 37833.32  | 44847.828 | 29.145 | 30496.525 | 26.432 | 1.021 |
| 10/8/2017 0:00  | 266400 | 69.373 | 16.813 | 156.27  | 37811.691 | 44820.664 | 29.126 | 30478.055 | 26.447 | 1.021 |
| 10/8/2017 0:15  | 267300 | 69.365 | 16.799 | 156.251 | 37802.035 | 44823.387 | 29.127 | 30479.904 | 26.454 | 1.021 |
| 10/8/2017 0:30  | 268200 | 69.365 | 16.806 | 156.252 | 37790.793 | 44802.844 | 29.113 | 30465.936 | 26.461 | 1.021 |
| 10/8/2017 0:45  | 269100 | 69.365 | 16.81  | 156.252 | 37814.469 | 44826.723 | 29.13  | 30482.174 | 26.445 | 1.021 |
| 10/8/2017 1:00  | 270000 | 69.374 | 16.8   | 156.271 | 37817.246 | 44840.445 | 29.139 | 30491.504 | 26.443 | 1.021 |
| 10/8/2017 1:15  | 270900 | 69.386 | 16.817 | 156.298 | 37815.797 | 44821.27  | 29.127 | 30478.465 | 26.444 | 1.021 |
| 10/8/2017 1:30  | 271800 | 69.372 | 16.812 | 156.267 | 37817.309 | 44827.594 | 29.131 | 30482.766 | 26.443 | 1.021 |
| 10/8/2017 1:45  | 272700 | 69.376 | 16.802 | 156.277 | 37811.918 | 44832.078 | 29.133 | 30485.813 | 26.447 | 1.021 |
| 10/8/2017 2:00  | 273600 | 69.401 | 16.794 | 156.333 | 37809.25  | 44836.492 | 29.136 | 30488.814 | 26.449 | 1.021 |
| 10/8/2017 2:15  | 274500 | 69.385 | 16.808 | 156.296 | 37801.156 | 44812.637 | 29.12  | 30472.596 | 26.454 | 1.021 |
| 10/8/2017 2:30  | 275400 | 69.385 | 16.812 | 156.297 | 37836.895 | 44851.711 | 29.148 | 30499.164 | 26.429 | 1.021 |
| 10/8/2017 2:45  | 276300 | 69.384 | 16.807 | 156.294 | 37805.543 | 44818.813 | 29.124 | 30476.795 | 26.451 | 1.021 |
| 10/8/2017 3:00  | 277200 | 69.389 | 16.808 | 156.306 | 37805.426 | 44817.52  | 29.123 | 30475.916 | 26.451 | 1.021 |
| 10/8/2017 3:15  | 278100 | 69.392 | 16.814 | 156.313 | 37813.609 | 44821.082 | 29.126 | 30478.338 | 26.446 | 1.021 |
| 10/8/2017 3:30  | 279000 | 69.411 | 16.806 | 156.356 | 37809.473 | 44824.727 | 29.128 | 30480.816 | 26.448 | 1.021 |
| 10/8/2017 3:45  | 279900 | 69.398 | 16.808 | 156.327 | 37826.023 | 44842.387 | 29.141 | 30492.826 | 26.437 | 1.021 |
| 10/8/2017 4:00  | 280800 | 69.395 | 16.807 | 156.319 | 37793.313 | 44805.117 | 29.114 | 30467.482 | 26.46  | 1.021 |
| 10/8/2017 4:15  | 281700 | 69.395 | 16.807 | 156.32  | 37818.914 | 44834.941 | 29.136 | 30487.76  | 26.442 | 1.021 |
| 10/8/2017 4:30  | 282600 | 69.394 | 16.81  | 156.316 | 37836.258 | 44852.824 | 29.149 | 30499.922 | 26.43  | 1.021 |
| 10/8/2017 4:45  | 283500 | 69.395 | 16.823 | 156.32  | 37803.086 | 44799.887 | 29.111 | 30463.924 | 26.453 | 1.021 |
| 10/8/2017 5:00  | 284400 | 69.415 | 16.815 | 156.364 | 37802.898 | 44807.758 | 29.117 | 30469.277 | 26.453 | 1.021 |
| 10/8/2017 5:15  | 285300 | 69.398 | 16.81  | 156.325 | 37806.613 | 44817.41  | 29.123 | 30475.842 | 26.45  | 1.021 |
| 10/8/2017 5:30  | 286200 | 69.397 | 16.806 | 156.323 | 37804.543 | 44819.406 | 29.125 | 30477.199 | 26.452 | 1.021 |
| 10/8/2017 5:45  | 287100 | 69.396 | 16.803 | 156.321 | 37802.871 | 44820.184 | 29.125 | 30477.727 | 26.453 | 1.021 |
| 10/8/2017 6:00  | 288000 | 69.394 | 16.812 | 156.317 | 37817.598 | 44828.473 | 29.131 | 30483.361 | 26.443 | 1.021 |
| 10/8/2017 6:15  | 288900 | 69.392 | 16.804 | 156.313 | 37787.469 | 44800.691 | 29.111 | 30464.473 | 26.464 | 1.021 |
| 10/8/2017 6:30  | 289800 | 69.387 | 16.827 | 156.3   | 37821.133 | 44817.34  | 29.124 | 30475.791 | 26.44  | 1.021 |
| 10/8/2017 6:45  | 290700 | 69.391 | 16.802 | 156.309 | 37827.98  | 44851.301 | 29.147 | 30498.887 | 26.435 | 1.021 |
| 10/8/2017 7:00  | 291600 | 69.406 | 16.802 | 156.344 | 37820.34  | 44841.707 | 29.14  | 30492.363 | 26.441 | 1.021 |
| 10/8/2017 7:15  | 292500 | 69.403 | 16.808 | 156.336 | 37816.645 | 44831.348 | 29.133 | 30485.316 | 26.443 | 1.021 |
| 10/8/2017 7:30  | 293400 | 69.388 | 16.802 | 156.302 | 37818.164 | 44839.57  | 29.139 | 30490.91  | 26.442 | 1.021 |
| 10/8/2017 7:45  | 294300 | 69.4   | 16.807 | 156.331 | 37818.699 | 44834.773 | 29.136 | 30487.648 | 26.442 | 1.021 |
| 10/8/2017 8:00  | 295200 | 69.385 | 16.808 | 156.297 | 37816.734 | 44831.191 | 29.133 | 30485.213 | 26.443 | 1.021 |
| 10/8/2017 8:15  | 296100 | 69.385 | 16.798 | 156.297 | 37803.828 | 44826.582 | 29.129 | 30482.078 | 26.452 | 1.021 |
| 10/8/2017 8:30  | 297000 | 69.388 | 16.813 | 156.302 | 37808.508 | 44816.711 | 29.123 | 30475.365 | 26.449 | 1.021 |
| 10/8/2017 8:45  | 297900 | 69.385 | 16.803 | 156.296 | 37802.258 | 44819.027 | 29.124 | 30476.939 | 26.453 | 1.021 |
| 10/8/2017 9:00  | 298800 | 69.382 | 16.811 | 156.29  | 37830.973 | 44844.961 | 29.143 | 30494.576 | 26.433 | 1.021 |
| 10/8/2017 9:15  | 299700 | 69.386 | 16.81  | 156.298 | 37844.852 | 44862.57  | 29.156 | 30506.551 | 26.424 | 1.021 |
| 10/8/2017 9:30  | 300600 | 69.403 | 16.809 | 156.337 | 37804.832 | 44816.738 | 29.123 | 30475.383 | 26.452 | 1.021 |
| 10/8/2017 9:45  | 301500 | 69.39  | 16.801 | 156.308 | 37831.805 | 44856.641 | 29.151 | 30502.518 | 26.433 | 1.021 |
| 10/8/2017 10:00 | 302400 | 69.394 | 16.804 | 156.317 | 37828.074 | 44849.188 | 29.146 | 30497.447 | 26.435 | 1.021 |
| 10/8/2017 10:15 | 303300 | 69.394 | 16.815 | 156.316 | 37796.523 | 44800.027 | 29.111 | 30464.021 | 26.457 | 1.021 |
| 10/8/2017 10:30 | 304200 | 69.396 | 16.822 | 156.321 | 37825.496 | 44827.063 | 29.131 | 30482.404 | 26.437 | 1.021 |
| 10/8/2017 10:45 | 305100 | 69.395 | 16.813 | 156.32  | 37818.258 | 44827.922 | 29.137 | 30482.988 | 26.442 | 1.021 |
| 10/8/2017 11:00 | 306000 | 69.4   | 16.818 | 156.331 | 37817.531 | 44822.07  | 29.121 | 30479.01  | 26.443 | 1.021 |
| 10/8/2017 11:15 | 306900 | 69.426 | 16.813 | 156.388 | 37824.457 | 44835.898 | 29.137 | 30488.412 | 26.438 | 1.021 |
| 10/8/2017 11:30 | 307800 | 69.429 | 16.81  | 156.395 | 37825.18  | 44839.691 | 29.139 | 30490.992 | 26.437 | 1.021 |
| 10/8/2017 11:45 | 308700 | 69.415 | 16.809 | 156.364 | 37813     | 44825.523 | 29.129 | 30481.357 | 26.446 | 1.021 |
| 10/8/2017 12:00 | 309600 | 69.42  | 16.808 | 156.375 | 37830.492 | 44847.414 | 29.145 | 30496.244 | 26.434 | 1.021 |
| 10/8/2017 12:15 | 310500 | 69.442 | 16.807 | 156.424 | 37856.102 | 44878.664 | 29.167 | 30517.494 | 26.416 | 1.021 |
| 10/8/2017 12:30 | 311400 | 69.427 | 16.821 | 156.392 | 37831.559 | 44836.207 | 29.138 | 30488.623 | 26.433 | 1.021 |
| 10/8/2017 12:45 | 312300 | 69.435 | 16.819 | 156.409 | 37820.801 | 44825.508 | 29.13  | 30481.348 | 26.44  | 1.021 |
| 10/8/2017 13:00 | 313200 | 69.46  | 16.809 | 156.466 | 37811.477 | 44824.16  | 29.128 | 30480.43  | 26.447 | 1.021 |
| 10/8/2017 13:15 | 314100 | 69.444 | 16.809 | 156.429 | 37804.223 | 44815.371 | 29.122 | 30474.455 | 26.452 | 1.021 |
| 10/8/2017 13:30 | 315000 | 69.451 | 16.817 | 156.444 | 37833.734 | 44842.883 | 29.142 | 30493.162 | 26.431 | 1.021 |
| 10/8/2017 13:45 | 315900 | 69.455 | 16.809 | 156.454 | 37795.48  | 44804.84  | 29.114 | 30467.293 | 26.458 | 1.021 |
| 10/8/2017 14:00 | 316800 | 69.473 | 16.803 | 156.495 | 37814.035 | 44832.805 | 29.134 | 30486.307 | 26.445 | 1.021 |
| 10/8/2017 14:15 | 317700 | 69.478 | 16.812 | 156.507 | 37807.055 | 44816.152 | 29.123 | 30474.984 | 26.45  | 1.021 |
| 10/8/2017 14:30 | 318600 | 69.47  | 16.806 | 156.488 | 37807.598 | 44822.59  | 29.127 | 30479.363 | 26.45  | 1.021 |
| 10/8/2017 14:45 | 319500 | 69.47  | 16.808 | 156.489 | 37805.684 | 44818.449 | 29.124 | 30476.547 | 26.451 | 1.021 |
| 10/8/2017 15:00 | 320400 | 69.474 | 16.809 | 156.498 | 37816.277 | 44829.586 | 29.132 | 30484.121 | 26.444 | 1.021 |
| 10/8/2017 15:15 | 321300 | 69.491 | 16.814 | 156.535 | 37821.672 | 44830.988 | 29.133 | 30485.072 | 26.44  | 1.021 |
| 10/8/2017 15:30 | 322200 | 69.478 | 16.82  | 156.506 | 37834.492 | 44840.305 | 29.14  | 30491.41  | 26.431 | 1.021 |
| 10/8/2017 15:45 | 323100 | 69.483 | 16.808 | 156.517 | 37807.504 | 44820.43  | 29.125 | 30477.895 | 26.45  | 1.021 |
| 10/8/2017 16:00 | 324000 | 69.481 | 16.806 | 156.513 | 37817.309 | 44834.465 | 29.135 | 30487.436 | 26.443 | 1.021 |
| 10/8/2017 16:15 | 324900 | 69.481 | 16.803 | 156.514 | 37818.793 | 44839.34  | 29.139 | 30490.754 | 26.442 | 1.021 |
| 10/8/2017 16:30 | 325800 | 69.494 | 16.807 | 156.543 | 37821.805 | 44838.004 | 29.138 | 30489.846 | 26.44  | 1.021 |
| 10/8/2017 16:45 | 326700 | 69.497 | 16.81  | 156.55  | 37845.234 | 44863.105 | 29.156 | 30506.914 | 26.423 | 1.021 |
| 10/8/2017 17:00 | 327600 | 69.48  | 16.805 | 156.511 | 37846.184 | 44868.953 | 29.16  | 30510.891 | 26.423 | 1.021 |
| 10/8/2017 17:15 | 328500 | 69.484 | 16.802 | 156.519 | 37812.473 | 44832.738 | 29.134 | 30486.264 | 26.446 | 1.021 |
| 10/8/2017 17:30 | 329400 | 69.489 | 16.803 | 156.531 | 37812.707 | 44831.418 | 29.133 | 30485.367 | 26.446 | 1.021 |
| 10/8/2017 17:45 | 330300 | 69.475 | 16.809 | 156.499 | 37821.094 | 44835.645 | 29.136 | 30488.24  | 26.44  | 1.021 |
| 10/8/2017 18:00 | 331200 | 69.4   |        |         |           |           |        |           |        |       |

|                  |        |        |        |         |           |           |        |           |        |       |
|------------------|--------|--------|--------|---------|-----------|-----------|--------|-----------|--------|-------|
| 10/9/2017 16:45  | 413100 | 69.569 | 16.812 | 156.711 | 37837.492 | 44852.055 | 29.148 | 30499.398 | 26.429 | 1.021 |
| 10/9/2017 17:00  | 414000 | 69.567 | 16.813 | 156.706 | 37819.617 | 44829.805 | 29.132 | 30484.268 | 26.441 | 1.021 |
| 10/9/2017 17:15  | 414900 | 69.565 | 16.794 | 156.701 | 37790.172 | 44814.047 | 29.12  | 30473.555 | 26.462 | 1.021 |
| 10/9/2017 17:30  | 415800 | 69.566 | 16.801 | 156.704 | 37802.625 | 44822.043 | 29.126 | 30478.992 | 26.453 | 1.021 |
| 10/9/2017 17:45  | 416700 | 69.58  | 16.795 | 156.736 | 37801.898 | 44827.051 | 29.129 | 30482.395 | 26.454 | 1.021 |
| 10/9/2017 18:00  | 417600 | 69.561 | 16.816 | 156.694 | 37785.58  | 44786.555 | 29.101 | 30454.859 | 26.465 | 1.021 |
| 10/9/2017 18:15  | 418500 | 69.556 | 16.8   | 156.682 | 37816.52  | 44839.137 | 29.138 | 30490.613 | 26.443 | 1.021 |
| 10/9/2017 18:30  | 419400 | 69.554 | 16.813 | 156.678 | 37824.25  | 44835.473 | 29.137 | 30488.123 | 26.438 | 1.021 |
| 10/9/2017 18:45  | 420300 | 69.562 | 16.812 | 156.695 | 37806.055 | 44814.355 | 29.121 | 30473.762 | 26.451 | 1.021 |
| 10/9/2017 19:00  | 421200 | 69.55  | 16.802 | 156.668 | 37797.848 | 44815.211 | 29.121 | 30474.344 | 26.457 | 1.021 |
| 10/9/2017 19:15  | 422100 | 69.545 | 16.808 | 156.657 | 37801.109 | 44812.852 | 29.12  | 30472.742 | 26.454 | 1.021 |
| 10/9/2017 19:30  | 423000 | 69.544 | 16.81  | 156.654 | 37806.734 | 44817.824 | 29.124 | 30476.121 | 26.45  | 1.021 |
| 10/9/2017 19:45  | 423900 | 69.55  | 16.807 | 156.667 | 37803.484 | 44817.176 | 29.123 | 30475.682 | 26.453 | 1.021 |
| 10/9/2017 20:00  | 424800 | 69.545 | 16.806 | 156.656 | 37793.402 | 44806.023 | 29.115 | 30468.098 | 26.46  | 1.021 |
| 10/9/2017 20:15  | 425700 | 69.527 | 16.803 | 156.615 | 37814.871 | 44834.238 | 29.135 | 30487.283 | 26.445 | 1.021 |
| 10/9/2017 20:30  | 426600 | 69.521 | 16.813 | 156.603 | 37818.074 | 44827.703 | 29.131 | 30482.84  | 26.442 | 1.021 |
| 10/9/2017 20:45  | 427500 | 69.514 | 16.817 | 156.588 | 37816.922 | 44822.328 | 29.127 | 30479.186 | 26.443 | 1.021 |
| 10/9/2017 21:00  | 428400 | 69.514 | 16.807 | 156.587 | 37803.859 | 44816.996 | 29.123 | 30475.559 | 26.452 | 1.021 |
| 10/9/2017 21:15  | 429300 | 69.504 | 16.808 | 156.564 | 37835.625 | 44853.676 | 29.149 | 30500.502 | 26.43  | 1.021 |
| 10/9/2017 21:30  | 430200 | 69.514 | 16.814 | 156.587 | 37794.402 | 44799.02  | 29.11  | 30463.336 | 26.459 | 1.021 |
| 10/9/2017 21:45  | 431100 | 69.491 | 16.814 | 156.536 | 37810.961 | 44818.742 | 29.125 | 30476.746 | 26.447 | 1.021 |
| 10/9/2017 22:00  | 432000 | 69.493 | 16.807 | 156.554 | 37808.195 | 44821.957 | 29.126 | 30478.934 | 26.449 | 1.021 |
| 10/9/2017 22:15  | 432900 | 69.506 | 16.798 | 156.57  | 37775.789 | 44792.625 | 29.105 | 30458.986 | 26.472 | 1.021 |
| 10/9/2017 22:30  | 433800 | 69.487 | 16.808 | 156.526 | 37818.695 | 44833.605 | 29.135 | 30486.854 | 26.442 | 1.021 |
| 10/9/2017 22:45  | 434700 | 69.499 | 16.815 | 156.553 | 37814.422 | 44821.945 | 29.127 | 30478.926 | 26.445 | 1.021 |
| 10/9/2017 23:00  | 435600 | 69.496 | 16.806 | 156.547 | 37808.117 | 44822.848 | 29.127 | 30479.537 | 26.449 | 1.021 |
| 10/9/2017 23:15  | 436500 | 69.492 | 16.808 | 156.538 | 37806.715 | 44819.047 | 29.124 | 30476.955 | 26.45  | 1.021 |
| 10/9/2017 23:30  | 437400 | 69.476 | 16.805 | 156.502 | 37779.246 | 44789.594 | 29.103 | 30456.924 | 26.47  | 1.021 |
| 10/9/2017 23:45  | 438300 | 69.472 | 16.83  | 156.493 | 37802.309 | 44791.477 | 29.106 | 30458.207 | 26.453 | 1.021 |
| 10/10/2017 0:00  | 439200 | 69.47  | 16.819 | 156.489 | 37806.766 | 44808.605 | 29.117 | 30469.852 | 26.45  | 1.021 |
| 10/10/2017 0:15  | 440100 | 69.483 | 16.817 | 156.516 | 37783.504 | 44782.992 | 29.099 | 30452.436 | 26.467 | 1.021 |
| 10/10/2017 0:30  | 441000 | 69.468 | 16.807 | 156.483 | 37799.969 | 44812.023 | 29.119 | 30472.178 | 26.455 | 1.021 |
| 10/10/2017 0:45  | 441900 | 69.474 | 16.807 | 156.498 | 37786.941 | 44796.762 | 29.108 | 30461.799 | 26.464 | 1.021 |
| 10/10/2017 1:00  | 442800 | 69.483 | 16.812 | 156.518 | 37803.867 | 44812.375 | 29.12  | 30472.418 | 26.452 | 1.021 |
| 10/10/2017 1:15  | 443700 | 69.472 | 16.807 | 156.493 | 37775.934 | 44784.074 | 29.099 | 30453.17  | 26.472 | 1.021 |
| 10/10/2017 1:30  | 444600 | 69.472 | 16.814 | 156.493 | 37800.648 | 44806.695 | 29.116 | 30468.553 | 26.455 | 1.021 |
| 10/10/2017 1:45  | 445500 | 69.472 | 16.811 | 156.492 | 37798.5   | 44807.18  | 29.116 | 30468.883 | 26.456 | 1.021 |
| 10/10/2017 2:00  | 446400 | 69.477 | 16.806 | 156.504 | 37782.078 | 44792.426 | 29.105 | 30458.852 | 26.468 | 1.021 |
| 10/10/2017 2:15  | 447300 | 69.493 | 16.807 | 156.54  | 37783.395 | 44793.184 | 29.106 | 30459.365 | 26.467 | 1.021 |
| 10/10/2017 2:30  | 448200 | 69.48  | 16.805 | 156.51  | 37782.445 | 44793.926 | 29.106 | 30459.871 | 26.467 | 1.021 |
| 10/10/2017 2:45  | 449100 | 69.484 | 16.802 | 156.52  | 37791.461 | 44807.465 | 29.116 | 30469.078 | 26.461 | 1.021 |
| 10/10/2017 3:00  | 450000 | 69.483 | 16.816 | 156.518 | 37775.125 | 44773.766 | 29.092 | 30446.162 | 26.472 | 1.021 |
| 10/10/2017 3:15  | 450900 | 69.487 | 16.812 | 156.527 | 37786.746 | 44792.266 | 29.105 | 30458.742 | 26.464 | 1.021 |
| 10/10/2017 3:30  | 451800 | 69.505 | 16.82  | 156.566 | 37840.273 | 44847.242 | 29.145 | 30496.127 | 26.427 | 1.021 |
| 10/10/2017 3:45  | 452700 | 69.491 | 16.815 | 156.536 | 37811.867 | 44818.84  | 29.125 | 30476.813 | 26.447 | 1.021 |
| 10/10/2017 4:00  | 453600 | 69.494 | 16.815 | 156.543 | 37803.055 | 44808.031 | 29.117 | 30469.461 | 26.453 | 1.021 |
| 10/10/2017 4:15  | 454500 | 69.496 | 16.814 | 156.546 | 37802.645 | 44808.535 | 29.117 | 30469.807 | 26.453 | 1.021 |
| 10/10/2017 4:30  | 455400 | 69.519 | 16.814 | 156.597 | 37791.238 | 44795.445 | 29.108 | 30460.902 | 26.461 | 1.021 |
| 10/10/2017 4:45  | 456300 | 69.501 | 16.803 | 156.557 | 37770.762 | 44781.586 | 29.097 | 30451.48  | 26.476 | 1.021 |
| 10/10/2017 5:00  | 457200 | 69.508 | 16.802 | 156.574 | 37794.961 | 44811.973 | 29.119 | 30472.143 | 26.459 | 1.021 |
| 10/10/2017 5:15  | 458100 | 69.508 | 16.799 | 156.574 | 37786.148 | 44804.73  | 29.114 | 30467.219 | 26.465 | 1.021 |
| 10/10/2017 5:30  | 459000 | 69.528 | 16.813 | 156.619 | 37800.395 | 44807.273 | 29.116 | 30468.947 | 26.455 | 1.021 |
| 10/10/2017 5:45  | 459900 | 69.514 | 16.81  | 156.587 | 37790.789 | 44798.387 | 29.11  | 30462.904 | 26.461 | 1.021 |
| 10/10/2017 6:00  | 460800 | 69.512 | 16.82  | 156.582 | 37812.945 | 44815.027 | 29.122 | 30474.221 | 26.446 | 1.021 |
| 10/10/2017 6:15  | 461700 | 69.515 | 16.807 | 156.59  | 37782.816 | 44792.676 | 29.105 | 30459.021 | 26.467 | 1.021 |
| 10/10/2017 6:30  | 462600 | 69.528 | 16.802 | 156.618 | 37785.215 | 44799.875 | 29.11  | 30463.916 | 26.465 | 1.021 |
| 10/10/2017 6:45  | 463500 | 69.521 | 16.806 | 156.603 | 37791.75  | 44803.891 | 29.113 | 30466.648 | 26.461 | 1.021 |
| 10/10/2017 7:00  | 464400 | 69.517 | 16.807 | 156.594 | 37786.547 | 44796.698 | 29.108 | 30461.906 | 26.464 | 1.021 |
| 10/10/2017 7:15  | 465300 | 69.516 | 16.805 | 156.593 | 37824.266 | 44843.34  | 29.142 | 30493.473 | 26.438 | 1.021 |
| 10/10/2017 7:30  | 466200 | 69.515 | 16.818 | 156.589 | 37783.961 | 44782.828 | 29.099 | 30452.326 | 26.466 | 1.021 |
| 10/10/2017 7:45  | 467100 | 69.517 | 16.822 | 156.594 | 37779.824 | 44773.293 | 29.092 | 30445.842 | 26.469 | 1.021 |
| 10/10/2017 8:00  | 468000 | 69.518 | 16.813 | 156.596 | 37810.48  | 44818.891 | 29.125 | 30476.848 | 26.448 | 1.021 |
| 10/10/2017 8:15  | 468900 | 69.538 | 16.813 | 156.641 | 37788.871 | 44792.996 | 29.106 | 30459.24  | 26.463 | 1.021 |
| 10/10/2017 8:30  | 469800 | 69.522 | 16.812 | 156.604 | 37817.109 | 44828.07  | 29.131 | 30483.09  | 26.443 | 1.021 |
| 10/10/2017 8:45  | 470700 | 69.536 | 16.814 | 156.637 | 37801.547 | 44807.664 | 29.117 | 30469.211 | 26.454 | 1.021 |
| 10/10/2017 9:00  | 471600 | 69.521 | 16.808 | 156.602 | 37792.242 | 44802.781 | 29.113 | 30465.893 | 26.46  | 1.021 |
| 10/10/2017 9:15  | 472500 | 69.534 | 16.808 | 156.633 | 37780.668 | 44788.527 | 29.102 | 30456.201 | 26.469 | 1.021 |
| 10/10/2017 9:30  | 473400 | 69.52  | 16.804 | 156.6   | 37818.875 | 44838.102 | 29.138 | 30489.912 | 26.442 | 1.021 |
| 10/10/2017 9:45  | 474300 | 69.522 | 16.81  | 156.605 | 37800.66  | 44809.918 | 29.118 | 30470.744 | 26.455 | 1.021 |
| 10/10/2017 10:00 | 475200 | 69.537 | 16.805 | 156.64  | 37838.82  | 44860.852 | 29.154 | 30505.381 | 26.428 | 1.021 |
| 10/10/2017 10:15 | 476100 | 69.522 | 16.82  | 156.605 | 37815.117 | 44817.426 | 29.124 | 30475.852 | 26.444 | 1.021 |
| 10/10/2017 10:30 | 477000 | 69.54  | 16.801 | 156.645 | 37785     | 44800.773 | 29.111 | 30464.527 | 26.466 | 1.021 |
| 10/10/2017 10:45 | 477900 | 69.525 | 16.804 | 156.612 | 37795.004 | 44809.98  | 29.118 | 30470.789 | 26.459 | 1.021 |
| 10/10/2017 11:00 | 478800 | 69.526 | 16.805 | 156.614 | 37799.109 | 44813.941 | 29.121 | 30473.482 | 26.456 | 1.021 |
| 10/10/2017 11:15 | 479700 | 69.53  | 16.806 | 156.622 | 37793.41  | 44806.207 | 29.115 | 30468.221 | 26.46  | 1.021 |
| 10/10/2017 11:30 | 480600 | 69.531 | 16.817 | 156.626 | 37809.484 | 44813.867 | 29.121 | 30473.43  | 26.448 | 1.021 |
| 10/10/2017 11:45 | 481500 | 69.532 | 16.813 | 156.627 | 37817.59  | 44827.578 | 29.131 | 30482.756 | 26.443 | 1.021 |
| 10/10/2017 12:00 | 482400 | 69.538 | 16.806 | 156.642 | 37785.457 | 44796.34  | 29.108 | 30461.514 | 26.465 | 1.021 |
| 10/10/2017 12:15 | 483300 | 69.538 | 16.806 | 156.641 | 37794.383 | 44806.734 | 29.115 | 30468.582 | 26.459 | 1.021 |
| 10/10/2017 12:30 | 484200 | 69.541 | 16.798 | 156.649 | 37807.793 | 44830.836 | 29.132 | 30484.971 | 26.45  | 1.021 |
| 10/10/2017 12:45 | 485100 | 69.546 | 16.805 | 156.66  | 37806.605 | 44822.656 | 29.127 | 30479.408 | 26.45  | 1.021 |
| 10/10/2017 13:00 | 486000 | 69.563 | 16.806 | 156.696 | 37774.051 | 44782.367 | 29.098 | 30452.012 | 26.473 | 1.021 |
| 10/10/2017 13:15 | 486900 | 69.565 | 16.81  | 156.701 | 37812.027 | 44824.191 | 29.128 | 30480.453 | 26.447 | 1.021 |
| 10/10/2017 13:30 | 487800 | 69.552 | 16.804 | 156.672 | 37798.855 | 44813.742 | 29.12  | 30473.348 | 26.456 | 1.021 |
| 10/10/2017 13:45 | 488700 | 69.559 | 16.795 | 156.689 | 37811.133 | 44837.824 | 29.137 | 30489.721 | 26.447 | 1.021 |
| 10/10/2017 14:00 | 489600 | 69.581 | 16.804 | 156.737 | 37792.824 | 44807.117 | 29.116 | 30468.842 | 26.46  | 1.021 |
| 10/10/2017 14:15 | 490500 | 69.566 | 16.793 | 156.704 | 37764.352 | 44784.137 | 29.098 | 30453.21  |        |       |

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|------------------|--------|--------|--------|---------|-----------|-----------|--------|-----------|--------|-------|
| 10/11/2017 13:15 | 573300 | 69.554 | 16.81  | 156.677 | 37777.781 | 44783.063 | 29.099 | 30452.484 | 26.471 | 1.021 |
| 10/11/2017 13:30 | 574200 | 69.571 | 16.806 | 156.716 | 37786.531 | 44797.426 | 29.109 | 30462.252 | 26.464 | 1.021 |
| 10/11/2017 13:45 | 575100 | 69.573 | 16.813 | 156.719 | 37812     | 44820.242 | 29.126 | 30477.768 | 26.447 | 1.021 |
| 10/11/2017 14:00 | 576000 | 69.558 | 16.815 | 156.687 | 37820.398 | 44828.5   | 29.132 | 30483.383 | 26.441 | 1.021 |
| 10/11/2017 14:15 | 576900 | 69.581 | 16.811 | 156.737 | 37798.93  | 44807.148 | 29.116 | 30468.863 | 26.456 | 1.021 |
| 10/11/2017 14:30 | 577800 | 69.57  | 16.809 | 156.713 | 37810.262 | 44822.531 | 29.127 | 30479.324 | 26.448 | 1.021 |
| 10/11/2017 14:45 | 578700 | 69.587 | 16.817 | 156.752 | 37796.926 | 44799.078 | 29.11  | 30463.375 | 26.457 | 1.021 |
| 10/11/2017 15:00 | 579600 | 69.578 | 16.805 | 156.731 | 37800.738 | 44815.168 | 29.121 | 30474.316 | 26.455 | 1.021 |
| 10/11/2017 15:15 | 580500 | 69.591 | 16.809 | 156.761 | 37811.07  | 44823.234 | 29.128 | 30479.801 | 26.447 | 1.021 |
| 10/11/2017 15:30 | 581400 | 69.585 | 16.804 | 156.747 | 37796.656 | 44811.84  | 29.119 | 30472.051 | 26.457 | 1.021 |
| 10/11/2017 15:45 | 582300 | 69.603 | 16.809 | 156.786 | 37806.293 | 44817.48  | 29.123 | 30475.887 | 26.451 | 1.021 |
| 10/11/2017 16:00 | 583200 | 69.601 | 16.816 | 156.782 | 37806.555 | 44811.465 | 29.119 | 30471.799 | 26.45  | 1.021 |
| 10/11/2017 16:15 | 584100 | 69.591 | 16.815 | 156.76  | 37809.82  | 44816.141 | 29.123 | 30474.977 | 26.448 | 1.021 |
| 10/11/2017 16:30 | 585000 | 69.609 | 16.813 | 156.801 | 37800.094 | 44807.02  | 29.116 | 30468.775 | 26.455 | 1.021 |
| 10/11/2017 16:45 | 585900 | 69.597 | 16.815 | 156.775 | 37827.723 | 44837.082 | 29.138 | 30489.217 | 26.436 | 1.021 |
| 10/11/2017 17:00 | 586800 | 69.6   | 16.819 | 156.782 | 37778.996 | 44775.242 | 29.093 | 30447.166 | 26.47  | 1.021 |
| 10/11/2017 17:15 | 587700 | 69.606 | 16.802 | 156.793 | 37819.852 | 44841.129 | 29.14  | 30491.971 | 26.441 | 1.021 |
| 10/11/2017 17:30 | 588600 | 69.606 | 16.802 | 156.793 | 37798.359 | 44815.906 | 29.122 | 30474.816 | 26.456 | 1.021 |
| 10/11/2017 17:45 | 589500 | 69.608 | 16.81  | 156.798 | 37799.27  | 44808.348 | 29.117 | 30469.678 | 26.456 | 1.021 |
| 10/11/2017 18:00 | 590400 | 69.611 | 16.805 | 156.805 | 37781.313 | 44792.586 | 29.105 | 30458.959 | 26.468 | 1.021 |
| 10/11/2017 18:15 | 591300 | 69.625 | 16.815 | 156.837 | 37781.309 | 44782.254 | 29.098 | 30451.936 | 26.468 | 1.021 |
| 10/11/2017 18:30 | 592200 | 69.628 | 16.805 | 156.844 | 37776.375 | 44786.988 | 29.101 | 30455.154 | 26.472 | 1.021 |
| 10/11/2017 18:45 | 593100 | 69.629 | 16.806 | 156.845 | 37803.121 | 44816.832 | 29.123 | 30475.447 | 26.453 | 1.021 |
| 10/11/2017 19:00 | 594000 | 69.612 | 16.82  | 156.808 | 37811.914 | 44813.195 | 29.121 | 30472.975 | 26.447 | 1.021 |
| 10/11/2017 19:15 | 594900 | 69.623 | 16.812 | 156.831 | 37795.656 | 44802.281 | 29.113 | 30465.551 | 26.458 | 1.021 |
| 10/11/2017 19:30 | 595800 | 69.608 | 16.801 | 156.799 | 37803.637 | 44822.695 | 29.127 | 30479.436 | 26.452 | 1.021 |
| 10/11/2017 19:45 | 596700 | 69.604 | 16.809 | 156.789 | 37799.418 | 44810.219 | 29.118 | 30470.951 | 26.455 | 1.021 |
| 10/11/2017 20:00 | 597600 | 69.619 | 16.807 | 156.823 | 37781.23  | 44790.355 | 29.104 | 30457.443 | 26.468 | 1.021 |
| 10/11/2017 20:15 | 598500 | 69.616 | 16.817 | 156.816 | 37783.059 | 44782.191 | 29.098 | 30451.893 | 26.467 | 1.021 |
| 10/11/2017 20:30 | 599400 | 69.598 | 16.803 | 156.777 | 37792.309 | 44807.047 | 29.115 | 30468.793 | 26.46  | 1.021 |
| 10/11/2017 20:45 | 600300 | 69.593 | 16.809 | 156.766 | 37794.059 | 44803.965 | 29.114 | 30466.699 | 26.459 | 1.021 |
| 10/11/2017 21:00 | 601200 | 69.589 | 16.808 | 156.757 | 37779.941 | 44787.574 | 29.102 | 30455.553 | 26.469 | 1.021 |
| 10/11/2017 21:15 | 602100 | 69.586 | 16.808 | 156.75  | 37768.391 | 44773.973 | 29.092 | 30446.303 | 26.477 | 1.021 |
| 10/11/2017 21:30 | 603000 | 69.581 | 16.802 | 156.739 | 37766.281 | 44778.055 | 29.094 | 30449.08  | 26.479 | 1.021 |
| 10/11/2017 21:45 | 603900 | 69.588 | 16.807 | 156.754 | 37747.516 | 44750.566 | 29.075 | 30430.385 | 26.492 | 1.021 |
| 10/11/2017 22:00 | 604800 | 69.569 | 16.808 | 156.711 | 37781.301 | 44789.367 | 29.103 | 30456.771 | 26.468 | 1.021 |
| 10/11/2017 22:15 | 605700 | 69.565 | 16.811 | 156.702 | 37780.598 | 44785.855 | 29.101 | 30454.385 | 26.469 | 1.021 |
| 10/11/2017 22:30 | 606600 | 69.575 | 16.814 | 156.725 | 37758.523 | 44756.313 | 29.079 | 30434.293 | 26.484 | 1.021 |
| 10/11/2017 22:45 | 607500 | 69.554 | 16.806 | 156.677 | 37764.043 | 44770.691 | 29.089 | 30444.07  | 26.48  | 1.021 |
| 10/11/2017 23:00 | 608400 | 69.553 | 16.805 | 156.674 | 37781.09  | 44792.051 | 29.105 | 30458.598 | 26.468 | 1.021 |
| 10/11/2017 23:15 | 609300 | 69.546 | 16.81  | 156.66  | 37764.742 | 44767.867 | 29.088 | 30442.152 | 26.48  | 1.021 |
| 10/11/2017 23:30 | 610200 | 69.539 | 16.812 | 156.643 | 37768.781 | 44770.426 | 29.09  | 30443.891 | 26.477 | 1.021 |
| 10/11/2017 23:45 | 611100 | 69.537 | 16.806 | 156.64  | 37794.902 | 44807.715 | 29.116 | 30469.248 | 26.459 | 1.021 |

Report Date: 10/13/2017 8:37  
Report User Name: WMassoll  
Report Computer Name: WKST52  
Application: WinSitu.exe  
Application Version: 5.6.27.1

Log File Properties  
File Name MPWSP MW-95 LT Test\_2017-10-12\_13-44-02-674-BaroMerge.wsl  
Create Date 10/13/2017 8:31

Device Properties  
Device Aqua TROLL 200  
Site MPWSP MW-95  
Device Name  
Serial Number 427634  
Firmware Version 2  
Hardware Version 3  
Device Address 1  
Device Comm Cfg 19200 8 Even 1 (Modbus-RTU)  
Used Memory 4  
Used Battery 9

Log Configuration  
Log Name MPWSP MW-95 LT Test  
Created By SKuiper  
Computer Name PROBOOK8  
Application WinSitu.exe  
Application Version 5.6.25.0  
Create Date 8/17/2016 12:56:58 PM Pacific Daylight Time  
Log Setup Time Zone Pacific Daylight Time  
Notes Size(bytes) 4096  
Overwrite when full Enabled  
Scheduled Start Time 8/17/2016 1:30:00 PM Pacific Daylight Time  
Scheduled Stop Time No Stop Time  
Type Linear  
Interval Days: 0 hrs: 00 mins: 15 secs: 00

Level Reference Settings At Log Creation  
Level Measurement Mode  
Specific Gravity 1.012  
Depth

Other Log Settings  
Depth of Probe: 33.4077 (ft)  
Head Pressure: 14.6569 (PSI)  
Temperature: 21.7578 (C)  
Specific Conductivity Model: Standard Methods  
Reference Temperature: 25  
Temperature Coefficient: 0.0191  
TDS Factor: 0.68

Log Notes:  
Date and Time Note  
8/17/2016 12:56 Used Battery: 9% Used Memory: 7% User Name: SKuiper  
8/18/2016 15:22 Log Download - Used Battery: 9% Used Memory: 7% User Name: SKuiper Interval - Start Time: 8/10/2016 10:30:00 PM Stop Time: 8/18/2016 4:15:00 PM  
8/25/2016 11:48 Log Download - Used Battery: 9% Used Memory: 7% User Name: Elinden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 12:45:00 PM  
9/1/2016 15:53 Log Download - Used Battery: 10% Used Memory: 9% User Name: skuiper Interval - Start Time: 7/31/2016 1:30:00 PM Stop Time: 9/1/2016 3:45:00 PM  
9/8/2016 18:09 Log Download - Used Battery: 10% Used Memory: 9% User Name: SKuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/8/2016 6:00:00 PM  
9/15/2016 14:41 Log Download - Used Battery: 10% Used Memory: 10% User Name: ANorris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 3:00:00 PM  
9/22/2016 12:10 Log Download - Used Battery: 11% Used Memory: 10% User Name: ANorris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 1:00:00 PM  
10/1/2016 10:48 Log Download - Used Battery: 11% Used Memory: 12% User Name: ANorris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/1/2016 11:45:00 AM  
10/7/2016 16:48 Log Download - Used Battery: 11% Used Memory: 12% User Name: SKuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/7/2016 4:45:00 PM  
10/13/2016 16:12 Log Download - Used Battery: 12% Used Memory: 14% User Name: SKuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 4:00:00 PM  
10/20/2016 16:33 Log Download - Used Battery: 12% Used Memory: 14% User Name: SKuiper Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 4:30:00 PM  
10/27/2016 17:01 Log Download - Used Battery: 12% Used Memory: 15% User Name: SKuiper Interval - Start Time: 10/19/2016 10:00:00 PM Stop Time: 10/27/2016 4:45:00 PM  
11/3/2016 16:11 Log Download - Used Battery: 13% Used Memory: 15% User Name: SKuiper Interval - Start Time: 9/30/2016 10:00:00 PM Stop Time: 11/3/2016 4:00:00 PM  
11/11/2016 8:07 Log Download - Used Battery: 13% Used Memory: 17% User Name: SKuiper Interval - Start Time: 11/2/2016 10:00:00 PM Stop Time: 11/11/2016 8:00:00 AM  
11/17/2016 15:24 Log Download - Used Battery: 14% Used Memory: 17% User Name: SKuiper Interval - Start Time: 11/9/2016 10:00:00 PM Stop Time: 11/17/2016 4:15:00 PM  
11/24/2016 12:16 Log Download - Used Battery: 14% Used Memory: 18% User Name: SKuiper Interval - Start Time: 11/15/2016 10:00:00 PM Stop Time: 11/24/2016 1:00:00 PM  
12/2/2016 7:39 Log Download - Used Battery: 14% Used Memory: 18% User Name: SKuiper Interval - Start Time: 10/31/2016 10:00:00 PM Stop Time: 12/2/2016 7:30:00 AM  
12/9/2016 9:15 Log Download - Used Battery: 15% Used Memory: 20% User Name: SKuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 12/9/2016 9:00:00 AM  
12/15/2016 15:06 Log Download - Used Battery: 15% Used Memory: 20% User Name: SKuiper Interval - Start Time: 12/7/2016 10:00:00 PM Stop Time: 12/15/2016 3:00:00 PM  
12/22/2016 11:41 Log Download - Used Battery: 15% Used Memory: 21% User Name: ANorris Interval - Start Time: 12/14/2016 10:00:00 PM Stop Time: 12/22/2016 12:30:00 PM  
1/5/2017 9:55 Log Download - Used Battery: 16% Used Memory: 23% User Name: SKuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 1/5/2017 10:45:00 AM  
1/12/2017 15:54 Log Download - Used Battery: 16% Used Memory: 25% User Name: SKuiper Interval - Start Time: 1/4/2017 10:00:00 PM Stop Time: 1/12/2017 3:45:00 PM  
1/19/2017 12:33 Log Download - Used Battery: 17% Used Memory: 25% User Name: EHernandez Interval - Start Time: 1/11/2017 10:00:00 PM Stop Time: 1/19/2017 1:30:00 PM  
1/26/2017 9:31 Log Download - Used Battery: 17% Used Memory: 26% User Name: SKuiper Interval - Start Time: 1/18/2017 10:00:00 PM Stop Time: 1/26/2017 9:30:00 AM  
2/2/2017 15:32 Log Download - Used Battery: 18% Used Memory: 26% User Name: WMassoll Interval - Start Time: 12/31/2016 10:00:00 PM Stop Time: 2/2/2017 3:30:00 PM  
2/9/2017 12:38 Log Download - Used Battery: 18% Used Memory: 28% User Name: EHernandez Interval - Start Time: 2/1/2017 12:00:00 AM Stop Time: 2/9/2017 1:30:00 PM  
2/16/2017 12:15 Log Download - Used Battery: 18% Used Memory: 28% User Name: WMassoll Interval - Start Time: 2/8/2017 10:00:00 PM Stop Time: 2/16/2017 1:00:00 PM  
2/23/2017 11:00 Log Download - Used Battery: 19% Used Memory: 29% User Name: EHernandez Interval - Start Time: 2/15/2017 12:00:00 AM Stop Time: 2/23/2017 11:45:00 AM  
3/2/2017 15:49 Log Download - Used Battery: 19% Used Memory: 29% User Name: SKuiper Interval - Start Time: 1/31/2017 10:00:00 PM Stop Time: 3/2/2017 3:45:00 PM  
3/9/2017 12:39 Log Download - Used Battery: 19% Used Memory: 31% User Name: WMassoll Interval - Start Time: 3/1/2017 11:30:00 PM Stop Time: 3/9/2017 1:30:00 PM  
3/16/2017 16:23 Log Download - Used Battery: 20% Used Memory: 31% User Name: WMassoll Interval - Start Time: 3/8/2017 10:00:00 PM Stop Time: 3/16/2017 4:30:00 PM  
3/23/2017 14:06 Log Download - Used Battery: 20% Used Memory: 32% User Name: AVanHaitsma Interval - Start Time: 3/15/2017 10:00:00 PM Stop Time: 3/23/2017 3:00:00 PM  
3/30/2017 12:15 Log Download - Used Battery: 20% Used Memory: 32% User Name: AVanHaitsma Interval - Start Time: 3/22/2017 10:00:00 PM Stop Time: 3/30/2017 1:15:00 PM  
4/6/2017 13:28 Log Download - Used Battery: 21% Used Memory: 34% User Name: WMassoll Interval - Start Time: 2/28/2017 12:00:00 PM Stop Time: 4/6/2017 2:15:00 PM  
4/13/2017 11:35 Log Download - Used Battery: 21% Used Memory: 34% User Name: WMassoll Interval - Start Time: 4/5/2017 12:00:00 PM Stop Time: 4/13/2017 11:30:00 AM  
4/20/2017 11:17 Log Download - Used Battery: 21% Used Memory: 35% User Name: AVanHaitsma Interval - Start Time: 4/12/2017 10:00:00 PM Stop Time: 4/20/2017 12:15:00 PM  
4/27/2017 12:20 Log Download - Used Battery: 22% Used Memory: 35% User Name: WMassoll Interval - Start Time: 4/19/2017 10:00:00 PM Stop Time: 4/27/2017 12:15:00 PM  
5/4/2017 11:43 Log Download - Used Battery: 22% Used Memory: 37% User Name: AVanHaitsma Interval - Start Time: 3/31/2017 10:00:00 PM Stop Time: 5/4/2017 12:30:00 PM  
5/11/2017 10:53 Log Download - Used Battery: 23% Used Memory: 37% User Name: AVanHaitsma Interval - Start Time: 5/3/2017 10:00:00 PM Stop Time: 5/11/2017 11:45:00 AM  
5/18/2017 18:10 Log Download - Used Battery: 23% Used Memory: 39% User Name: WMassoll Interval - Start Time: 5/10/2017 10:00:00 PM Stop Time: 5/18/2017 7:00:00 PM  
5/25/2017 10:33 Log Download - Used Battery: 23% Used Memory: 40% User Name: AVanHaitsma Interval - Start Time: 5/17/2017 10:00:00 PM Stop Time: 5/25/2017 10:30:00 AM  
6/1/2017 17:39 Log Download - Used Battery: 24% Used Memory: 40% User Name: WMassoll Interval - Start Time: 4/30/2017 10:00:00 PM Stop Time: 6/1/2017 5:30:00 PM  
6/8/2017 12:12 Log Download - Used Battery: 24% Used Memory: 42% User Name: WMassoll Interval - Start Time: 5/31/2017 10:00:00 PM Stop Time: 6/8/2017 12:00:00 PM  
6/8/2017 12:13 Log Download - Used Battery: 24% Used Memory: 42% User Name: WMassoll Interval - Start Time: 5/31/2017 10:00:00 PM Stop Time: 6/8/2017 12:00:00 PM  
6/8/2017 12:16 Log Download - Used Battery: 24% Used Memory: 42% User Name: WMassoll Interval - Start Time: 5/31/2017 10:00:00 PM Stop Time: 6/8/2017 1:00:00 PM  
6/15/2017 14:03 Log Download - Used Battery: 24% Used Memory: 42% User Name: AVanHaitsma Interval - Start Time: 6/7/2017 10:00:00 PM Stop Time: 6/15/2017 3:00:00 PM  
6/22/2017 7:59 Log Download - Used Battery: 25% Used Memory: 43% User Name: AVanHaitsma Interval - Start Time: 6/14/2017 10:00:00 PM Stop Time: 6/22/2017 8:45:00 AM  
6/29/2017 15:29 Log Download - Used Battery: 25% Used Memory: 43% User Name: WMassoll Interval - Start Time: 6/21/2017 10:00:00 PM Stop Time: 6/29/2017 4:15:00 PM  
7/6/2017 11:15 Log Download - Used Battery: 25% Used Memory: 45% User Name: AVanHaitsma Interval - Start Time: 5/31/2017 10:00:00 PM Stop Time: 7/6/2017 12:15:00 PM  
7/13/2017 13:51 Log Download - Used Battery: 26% Used Memory: 45% User Name: WMassoll Interval - Start Time: 7/5/2017 10:00:00 PM Stop Time: 7/13/2017 1:45:00 PM  
7/20/2017 11:35 Log Download - Used Battery: 26% Used Memory: 46% User Name: WMassoll Interval - Start Time: 7/12/2017 10:00:00 PM Stop Time: 7/20/2017 11:30:00 AM  
7/27/2017 10:42 Log Download - Used Battery: 26% Used Memory: 46% User Name: AVanHaitsma Interval - Start Time: 7/19/2017 10:00:00 PM Stop Time: 7/27/2017 11:30:00 AM  
8/3/2017 11:21 Log Download - Used Battery: 27% Used Memory: 48% User Name: AVanHaitsma Interval - Start Time: 6/30/2017 10:00:00 PM Stop Time: 8/3/2017 12:15:00 PM  
8/3/2017 17:59 Log Download - Used Battery: 27% Used Memory: 48% User Name: AVanHaitsma Interval - Start Time: 8/1/2017 10:00:00 PM Stop Time: 8/3/2017 7:30:00 PM  
8/3/2017 18:14 Log Download - Used Battery: 27% Used Memory: 48% User Name: AVanHaitsma Interval - Start Time: 8/1/2017 10:00:00 PM Stop Time: 8/3/2017 6:00:00 PM  
8/3/2017 18:15 Log Download - Used Battery: 27% Used Memory: 48% User Name: AVanHaitsma Interval - Start Time: 8/1/2017 10:00:00 PM Stop Time: 8/3/2017 7:00:00 PM  
8/10/2017 12:05 Log Download - Used Battery: 28% Used Memory: 48% User Name: WMassoll Interval - Start Time: 8/2/2017 10:00:00 PM Stop Time: 8/10/2017 12:00:00 PM  
8/17/2017 11:28 Log Download - Used Battery: 28% Used Memory: 50% User Name: AVanHaitsma Interval - Start Time: 8/9/2017 10:00:00 PM Stop Time: 8/17/2017 12:15:00 PM  
8/24/2017 11:09 Log Download - Used Battery: 28% Used Memory: 50% User Name: AVanHaitsma Interval - Start Time: 8/16/2017 10:00:00 PM Stop Time: 8/24/2017 12:00:00 PM  
9/1/2017 12:56 Log Download - Used Battery: 29% Used Memory: 51% User Name: WMassoll Interval - Start Time: 8/17/2017 11:45:00 AM Stop Time: 9/1/2017 1:45:00 PM  
9/1/2017 12:56 Log Download - Used Battery: 29% Used Memory: 51% User Name: WMassoll Interval - Start Time: 7/31/2017 11:45:00 AM Stop Time: 9/1/2017 12:45:00 PM  
10/13/2017 8:31 User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll\_2017-10-12\_17-14-36-585.wsl""

Log Data:  
Record Count 735  
Sensors 2  
1 427634 PCTD 100 PSIA (60.1m/197.3ft)  
2 0 Baro-Adjustment Calc

Time Zone: Pacific Daylight Time

| Date and Time   | Elapsed Time<br>Seconds | Sensor: PCTD(A) 197.3ft<br>SNR: 427634 |                 | Sensor: PCTD(A) 197.3ft<br>SNR: 427634 |                             | Sensor: PCTD(A) 197.3ft<br>SNR: 427634 |                | Sensor: PCTD(A) 197.3ft<br>SNR: 427634 |                      | Sensor: PCTD(A) 197.3ft<br>SNR: 427634 |                           | Sensor: PCTD(A) 197.3ft<br>SNR: 427634 |  | Sensor: PCTD(A) 197.3ft<br>SNR: 427634 |  | Sensor: Baro-Adj Calc<br>SNR: 000000 |  |
|-----------------|-------------------------|----------------------------------------|-----------------|----------------------------------------|-----------------------------|----------------------------------------|----------------|----------------------------------------|----------------------|----------------------------------------|---------------------------|----------------------------------------|--|----------------------------------------|--|--------------------------------------|--|
|                 |                         | Corrected<br>Pressure (PSI)            | Temperature (C) | Depth (ft)                             | Actual Conductivity (µS/cm) | Specific Conductivity (µS/cm)          | Salinity (PSU) | Total Dissolved Solids (ppt)           | Resistivity (ohm-cm) | Water Density (g/cm3)                  | Barometric Pressure (PSI) |                                        |  |                                        |  |                                      |  |
|                 |                         |                                        |                 |                                        |                             |                                        |                |                                        |                      |                                        |                           |                                        |  |                                        |  |                                      |  |
| 10/5/2017 0:00  | 7200                    | 25.514                                 | 16.908          | 58.154                                 | 4118.246                    | 4871.123                               | 2.634          | 3.312                                  | 242.822              | 1.001                                  | 14.751                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 0:15  | 8100                    | 25.519                                 | 16.908          | 58.165                                 | 4118.127                    | 4870.954                               | 2.634          | 3.312                                  | 242.829              | 1.001                                  | 14.749                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 0:30  | 9000                    | 25.518                                 | 16.908          | 58.163                                 | 4118.949                    | 4871.955                               | 2.635          | 3.313                                  | 242.78               | 1.001                                  | 14.752                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 0:45  | 9900                    | 25.522                                 | 16.908          | 58.172                                 | 4118.244                    | 4871.092                               | 2.634          | 3.312                                  | 242.822              | 1.001                                  | 14.745                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 1:00  | 10800                   | 25.528                                 | 16.908          | 58.186                                 | 4118.158                    | 4870.961                               | 2.634          | 3.312                                  | 242.827              | 1.001                                  | 14.737                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 1:15  | 11700                   | 25.522                                 | 16.907          | 58.172                                 | 4119.141                    | 4872.229                               | 2.635          | 3.313                                  | 242.769              | 1.001                                  | 14.744                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 1:30  | 12600                   | 25.525                                 | 16.909          | 58.179                                 | 4118.855                    | 4871.776                               | 2.635          | 3.313                                  | 242.786              | 1.001                                  | 14.743                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 1:45  | 13500                   | 25.523                                 | 16.908          | 58.174                                 | 4119.277                    | 4872.314                               | 2.635          | 3.313                                  | 242.761              | 1.001                                  | 14.745                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 2:00  | 14400                   | 25.531                                 | 16.908          | 58.194                                 | 4119.588                    | 4872.751                               | 2.635          | 3.313                                  | 242.743              | 1.001                                  | 14.742                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 2:15  | 15300                   | 25.521                                 | 16.908          | 58.171                                 | 4118.777                    | 4871.762                               | 2.635          | 3.313                                  | 242.791              | 1.001                                  | 14.745                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 2:30  | 16200                   | 25.523                                 | 16.908          | 58.174                                 | 4117.959                    | 4870.824                               | 2.634          | 3.312                                  | 242.839              | 1.001                                  | 14.746                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 2:45  | 17100                   | 25.521                                 | 16.908          | 58.169                                 | 4119.334                    | 4872.42                                | 2.635          | 3.313                                  | 242.758              | 1.001                                  | 14.744                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 3:00  | 18000                   | 25.527                                 | 16.908          | 58.183                                 | 4118.711                    | 4871.635                               | 2.635          | 3.313                                  | 242.794              | 1.001                                  | 14.739                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 3:15  | 18900                   | 25.517                                 | 16.908          | 58.161                                 | 4119.364                    | 4872.465                               | 2.635          | 3.313                                  | 242.756              | 1.001                                  | 14.748                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 3:30  | 19800                   | 25.527                                 | 16.908          | 58.185                                 | 4119.233                    | 4872.321                               | 2.635          | 3.313                                  | 242.764              | 1.001                                  | 14.738                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 3:45  | 20700                   | 25.527                                 | 16.908          | 58.184                                 | 4118.777                    | 4871.694                               | 2.635          | 3.313                                  | 242.79               | 1.001                                  | 14.739                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 4:00  | 21600                   | 25.526                                 | 16.908          | 58.182                                 | 4118.695                    | 4871.674                               | 2.635          | 3.313                                  | 242.795              | 1.001                                  | 14.739                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 4:15  | 22500                   | 25.523                                 | 16.908          | 58.174                                 | 4118.671                    | 4871.64                                | 2.635          | 3.313                                  | 242.797              | 1.001                                  | 14.74                     |                                        |  |                                        |  |                                      |  |
| 10/5/2017 4:30  | 23400                   | 25.527                                 | 16.908          | 58.185                                 | 4119.471                    | 4872.572                               | 2.635          | 3.313                                  | 242.75               | 1.001                                  | 14.737                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 4:45  | 24300                   | 25.529                                 | 16.908          | 58.188                                 | 4120.086                    | 4873.32                                | 2.636          | 3.314                                  | 242.713              | 1.001                                  | 14.739                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 5:00  | 25200                   | 25.534                                 | 16.908          | 58.2                                   | 4120.058                    | 4873.247                               | 2.636          | 3.314                                  | 242.715              | 1.001                                  | 14.736                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 5:15  | 26100                   | 25.524                                 | 16.908          | 58.176                                 | 4119.761                    | 4872.906                               | 2.635          | 3.314                                  | 242.733              | 1.001                                  | 14.741                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 5:30  | 27000                   | 25.532                                 | 16.908          | 58.196                                 | 4118.689                    | 4871.687                               | 2.635          | 3.313                                  | 242.796              | 1.001                                  | 14.734                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 5:45  | 27900                   | 25.527                                 | 16.908          | 58.185                                 | 4119.584                    | 4872.717                               | 2.635          | 3.313                                  | 242.743              | 1.001                                  | 14.74                     |                                        |  |                                        |  |                                      |  |
| 10/5/2017 6:00  | 28800                   | 25.531                                 | 16.908          | 58.192                                 | 4119.173                    | 4872.191                               | 2.635          | 3.313                                  | 242.767              | 1.001                                  | 14.737                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 6:15  | 29700                   | 25.525                                 | 16.907          | 58.18                                  | 4118.873                    | 4871.951                               | 2.635          | 3.313                                  | 242.785              | 1.001                                  | 14.739                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 6:30  | 30600                   | 25.534                                 | 16.907          | 58.2                                   | 4118.604                    | 4871.605                               | 2.635          | 3.313                                  | 242.801              | 1.001                                  | 14.738                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 6:45  | 31500                   | 25.527                                 | 16.908          | 58.183                                 | 4119.967                    | 4872.967                               | 2.635          | 3.313                                  | 242.779              | 1.001                                  | 14.739                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 7:00  | 32400                   | 25.534                                 | 16.908          | 58.2                                   | 4118.899                    | 4871.868                               | 2.635          | 3.313                                  | 242.783              | 1.001                                  | 14.735                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 7:15  | 33300                   | 25.527                                 | 16.908          | 58.183                                 | 4119.283                    | 4872.39                                | 2.635          | 3.313                                  | 242.761              | 1.001                                  | 14.74                     |                                        |  |                                        |  |                                      |  |
| 10/5/2017 7:30  | 34200                   | 25.533                                 | 16.907          | 58.197                                 | 4120.744                    | 4874.176                               | 2.636          | 3.314                                  | 242.675              | 1.001                                  | 14.732                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 7:45  | 35100                   | 25.531                                 | 16.908          | 58.192                                 | 4119.456                    | 4872.565                               | 2.635          | 3.313                                  | 242.75               | 1.001                                  | 14.737                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 8:00  | 36000                   | 25.537                                 | 16.907          | 58.207                                 | 4119.411                    | 4872.569                               | 2.635          | 3.313                                  | 242.753              | 1.001                                  | 14.742                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 8:15  | 36900                   | 25.523                                 | 16.908          | 58.175                                 | 4118.988                    | 4872.041                               | 2.635          | 3.313                                  | 242.778              | 1.001                                  | 14.745                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 8:30  | 37800                   | 25.535                                 | 16.908          | 58.203                                 | 4117.842                    | 4870.685                               | 2.634          | 3.312                                  | 242.846              | 1.001                                  | 14.738                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 8:45  | 38700                   | 25.529                                 | 16.908          | 58.188                                 | 4118.687                    | 4871.674                               | 2.635          | 3.313                                  | 242.796              | 1.001                                  | 14.741                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 9:00  | 39600                   | 25.526                                 | 16.907          | 58.182                                 | 4118.311                    | 4871.248                               | 2.634          | 3.312                                  | 242.818              | 1.001                                  | 14.743                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 9:15  | 40500                   | 25.531                                 | 16.908          | 58.193                                 | 4118.955                    | 4872.002                               | 2.635          | 3.313                                  | 242.78               | 1.001                                  | 14.74                     |                                        |  |                                        |  |                                      |  |
| 10/5/2017 9:30  | 41400                   | 25.534                                 | 16.908          | 58.2                                   | 4119.989                    | 4873.214                               | 2.636          | 3.314                                  | 242.719              | 1.001                                  | 14.74                     |                                        |  |                                        |  |                                      |  |
| 10/5/2017 9:45  | 42300                   | 25.534                                 | 16.907          | 58.2                                   | 4119.072                    | 4872.148                               | 2.635          | 3.313                                  | 242.773              | 1.001                                  | 14.742                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 10:00 | 43200                   | 25.531                                 | 16.908          | 58.191                                 | 4118.948                    | 4871.982                               | 2.635          | 3.313                                  | 242.78               | 1.001                                  | 14.739                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 10:15 | 44100                   | 25.526                                 | 16.908          | 58.181                                 | 4119.414                    | 4872.515                               | 2.635          | 3.313                                  | 242.753              | 1.001                                  | 14.747                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 10:30 | 45000                   | 25.534                                 | 16.907          | 58.199                                 | 4119.297                    | 4872.434                               | 2.635          | 3.313                                  | 242.76               | 1.001                                  | 14.738                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 10:45 | 45900                   | 25.533                                 | 16.907          | 58.198                                 | 4120.083                    | 4873.344                               | 2.636          | 3.314                                  | 242.714              | 1.001                                  | 14.741                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 11:00 | 46800                   | 25.535                                 | 16.908          | 58.201                                 | 4120.917                    | 4874.293                               | 2.636          | 3.315                                  | 242.664              | 1.001                                  | 14.738                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 11:15 | 47700                   | 25.535                                 | 16.908          | 58.202                                 | 4120.501                    | 4873.811                               | 2.636          | 3.314                                  | 242.689              | 1.001                                  | 14.735                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 11:30 | 48600                   | 25.526                                 | 16.908          | 58.205                                 | 4121.4                      | 4874.894                               | 2.637          | 3.315                                  | 242.636              | 1.001                                  | 14.736                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 11:45 | 49500                   | 25.528                                 | 16.907          | 58.185                                 | 4122.202                    | 4875.908                               | 2.637          | 3.316                                  | 242.589              | 1.001                                  | 14.742                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 12:00 | 50400                   | 25.529                                 | 16.908          | 58.188                                 | 4121.988                    | 4875.589                               | 2.637          | 3.315                                  | 242.601              | 1.001                                  | 14.737                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 12:15 | 51300                   | 25.531                                 | 16.907          | 58.193                                 | 4123.456                    | 4877.383                               | 2.638          | 3.317                                  | 242.515              | 1.001                                  | 14.735                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 12:30 | 52200                   | 25.528                                 | 16.907          | 58.186                                 | 4123.397                    | 4877.284                               | 2.638          | 3.317                                  | 242.518              | 1.001                                  | 14.736                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 12:45 | 53100                   | 25.532                                 | 16.907          | 58.195                                 | 4123.807                    | 4877.779                               | 2.638          | 3.317                                  | 242.494              | 1.001                                  | 14.729                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 13:00 | 54000                   | 25.53                                  | 16.907          | 58.191                                 | 4123.422                    | 4877.343                               | 2.638          | 3.317                                  | 242.517              | 1.001                                  | 14.731                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 13:15 | 54900                   | 25.532                                 | 16.908          | 58.196                                 | 4123.492                    | 4877.338                               | 2.638          | 3.317                                  | 242.513              | 1.001                                  | 14.727                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 13:30 | 55800                   | 25.539                                 | 16.907          | 58.21                                  | 4123.117                    | 4876.952                               | 2.638          | 3.316                                  | 242.535              | 1.001                                  | 14.724                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 13:45 | 56700                   | 25.537                                 | 16.908          | 58.206                                 | 4123.907                    | 4877.839                               | 2.638          | 3.317                                  | 242.488              | 1.001                                  | 14.723                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 14:00 | 57600                   | 25.536                                 | 16.907          | 58.204                                 | 4126.999                    | 4881.574                               | 2.64           | 3.319                                  | 242.307              | 1.001                                  | 14.721                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 14:15 | 58500                   | 25.536                                 | 16.908          | 58.205                                 | 4130.086                    | 4885.155                               | 2.642          | 3.322                                  | 242.126              | 1.001                                  | 14.721                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 14:30 | 59400                   | 25.536                                 | 16.907          | 58.205                                 | 4125.076                    | 4879.28                                | 2.639          | 3.318                                  | 242.42               | 1.001                                  | 14.717                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 14:45 | 60300                   | 25.538                                 | 16.907          | 58.21                                  | 4125.239                    | 4879.492                               | 2.639          | 3.318                                  | 242.41               | 1.001                                  | 14.719                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 15:00 | 61200                   | 25.537                                 | 16.906          | 58.206                                 | 4124.806                    | 4879.046                               | 2.639          | 3.318                                  | 242.436              | 1.001                                  | 14.716                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 15:15 | 62100                   | 25.544                                 | 16.907          | 58.222                                 | 4124.507                    | 4878.665                               | 2.639          | 3.319                                  | 242.453              | 1.001                                  | 14.712                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 15:30 | 63000                   | 25.537                                 | 16.907          | 58.206                                 | 4126.447                    | 4880.949                               | 2.64           | 3.317                                  | 242.339              | 1.001                                  | 14.713                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 15:45 | 63900                   | 25.544                                 | 16.908          | 58.223                                 | 4125.678                    | 4880.069                               | 2.64           | 3.318                                  | 242.384              | 1.001                                  | 14.707                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 16:00 | 64800                   | 25.532                                 | 16.907          | 58.195                                 | 4125.398                    | 4879.65                                | 2.639          | 3.318                                  | 242.401              | 1.001                                  | 14.714                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 16:15 | 65700                   | 25.54                                  | 16.906          | 58.214                                 | 4125.885                    | 4880.314                               | 2.64           | 3.319                                  | 242.372              | 1.001                                  | 14.708                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 16:30 | 66600                   | 25.54                                  | 16.907          | 58.215                                 | 4126.879                    | 4881.451                               | 2.64           | 3.319                                  | 242.314              | 1.001                                  | 14.701                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 16:45 | 67500                   | 25.535                                 | 16.907          | 58.203                                 | 4126.389                    | 4880.822                               | 2.64           | 3.319                                  | 242.343              | 1.001                                  | 14.706                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 17:00 | 68400                   | 25.533                                 | 16.906          | 58.198                                 | 4126.444                    | 4881.024                               | 2.64           | 3.319                                  | 242.339              | 1.001                                  | 14.707                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 17:15 | 69300                   | 25.538                                 | 16.907          | 58.215                                 | 4125.315                    | 4879.651                               | 2.639          | 3.318                                  | 242.404              | 1.001                                  | 14.708                    |                                        |  |                                        |  |                                      |  |
| 10/5/2017 17:30 | 70200                   | 25.541                                 | 16.906          | 58.216                                 | 4125.447                    | 4879.797                               |                |                                        |                      |                                        |                           |                                        |  |                                        |  |                                      |  |

|                 |        |        |        |        |           |          |       |       |         |       |        |
|-----------------|--------|--------|--------|--------|-----------|----------|-------|-------|---------|-------|--------|
| 10/5/2017 18:15 | 72900  | 25.545 | 16.907 | 58.224 | 4125.673  | 4880.025 | 2.639 | 3.318 | 242.385 | 1.001 | 14.7   |
| 10/5/2017 18:30 | 73800  | 25.541 | 16.906 | 58.216 | 4125.323  | 4879.669 | 2.639 | 3.318 | 242.405 | 1.001 | 14.704 |
| 10/5/2017 18:45 | 74700  | 25.535 | 16.906 | 58.202 | 4125.539  | 4879.962 | 2.639 | 3.318 | 242.393 | 1.001 | 14.704 |
| 10/5/2017 19:00 | 75600  | 25.543 | 16.906 | 58.22  | 4124.916  | 4879.196 | 2.639 | 3.318 | 242.429 | 1.001 | 14.7   |
| 10/5/2017 19:15 | 76500  | 25.541 | 16.906 | 58.216 | 4125.631  | 4880.072 | 2.64  | 3.318 | 242.387 | 1.001 | 14.704 |
| 10/5/2017 19:30 | 77400  | 25.544 | 16.906 | 58.222 | 4125.255  | 4879.998 | 2.639 | 3.318 | 242.391 | 1.001 | 14.701 |
| 10/5/2017 19:45 | 78300  | 25.537 | 16.906 | 58.206 | 4124.318  | 4878.489 | 2.639 | 3.317 | 242.464 | 1.001 | 14.709 |
| 10/5/2017 20:00 | 79200  | 25.54  | 16.906 | 58.214 | 4123.034  | 4876.962 | 2.638 | 3.316 | 242.54  | 1.001 | 14.705 |
| 10/5/2017 20:15 | 80100  | 25.548 | 16.905 | 58.233 | 4124.409  | 4878.713 | 2.639 | 3.318 | 242.459 | 1.001 | 14.708 |
| 10/5/2017 20:30 | 81000  | 25.541 | 16.906 | 58.215 | 4124.659  | 4878.951 | 2.639 | 3.318 | 242.444 | 1.001 | 14.714 |
| 10/5/2017 20:45 | 81900  | 25.54  | 16.906 | 58.213 | 4123.925  | 4878.035 | 2.638 | 3.317 | 242.487 | 1.001 | 14.71  |
| 10/5/2017 21:00 | 82800  | 25.534 | 16.906 | 58.201 | 4124.0457 | 4878.22  | 2.638 | 3.317 | 242.48  | 1.001 | 14.717 |
| 10/5/2017 21:15 | 83700  | 25.534 | 16.906 | 58.219 | 4123.267  | 4877.274 | 2.638 | 3.317 | 242.536 | 1.001 | 14.718 |
| 10/5/2017 21:30 | 84600  | 25.538 | 16.906 | 58.209 | 4123.33   | 4877.32  | 2.638 | 3.317 | 242.522 | 1.001 | 14.717 |
| 10/5/2017 21:45 | 85500  | 25.541 | 16.906 | 58.216 | 4123.036  | 4877.011 | 2.638 | 3.316 | 242.54  | 1.001 | 14.719 |
| 10/5/2017 22:00 | 86400  | 25.538 | 16.906 | 58.209 | 4122.332  | 4876.179 | 2.637 | 3.316 | 242.581 | 1.001 | 14.718 |
| 10/5/2017 22:15 | 87300  | 25.545 | 16.906 | 58.225 | 4122.602  | 4876.469 | 2.637 | 3.316 | 242.565 | 1.001 | 14.715 |
| 10/5/2017 22:30 | 88200  | 25.544 | 16.906 | 58.223 | 4123.546  | 4877.605 | 2.638 | 3.317 | 242.51  | 1.001 | 14.721 |
| 10/5/2017 22:45 | 89100  | 25.543 | 16.906 | 58.22  | 4122.908  | 4876.88  | 2.638 | 3.316 | 242.547 | 1.001 | 14.724 |
| 10/5/2017 23:00 | 90000  | 25.54  | 16.906 | 58.214 | 4121.75   | 4875.424 | 2.637 | 3.315 | 242.615 | 1.001 | 14.724 |
| 10/5/2017 23:15 | 90900  | 25.537 | 16.906 | 58.206 | 4122.475  | 4876.281 | 2.637 | 3.316 | 242.573 | 1.001 | 14.726 |
| 10/5/2017 23:30 | 91800  | 25.55  | 16.906 | 58.236 | 4122.38   | 4876.256 | 2.637 | 3.316 | 242.578 | 1.001 | 14.719 |
| 10/5/2017 23:45 | 92700  | 25.539 | 16.906 | 58.211 | 4122.756  | 4876.709 | 2.638 | 3.316 | 242.556 | 1.001 | 14.727 |
| 10/6/2017 0:00  | 93600  | 25.544 | 16.906 | 58.224 | 4122.596  | 4876.472 | 2.637 | 3.316 | 242.566 | 1.001 | 14.726 |
| 10/6/2017 0:15  | 94500  | 25.546 | 16.906 | 58.226 | 4123.166  | 4877.137 | 2.638 | 3.316 | 242.532 | 1.001 | 14.724 |
| 10/6/2017 0:30  | 95400  | 25.538 | 16.906 | 58.209 | 4122.311  | 4876.164 | 2.637 | 3.316 | 242.582 | 1.001 | 14.729 |
| 10/6/2017 0:45  | 96300  | 25.543 | 16.906 | 58.22  | 4122.387  | 4876.272 | 2.637 | 3.316 | 242.578 | 1.001 | 14.725 |
| 10/6/2017 1:00  | 97200  | 25.541 | 16.906 | 58.216 | 4122.431  | 4876.306 | 2.637 | 3.316 | 242.575 | 1.001 | 14.727 |
| 10/6/2017 1:15  | 98100  | 25.547 | 16.906 | 58.23  | 4122.586  | 4876.479 | 2.637 | 3.316 | 242.566 | 1.001 | 14.722 |
| 10/6/2017 1:30  | 99000  | 25.55  | 16.906 | 58.236 | 4122.618  | 4876.507 | 2.637 | 3.316 | 242.564 | 1.001 | 14.725 |
| 10/6/2017 1:45  | 99900  | 25.545 | 16.905 | 58.225 | 4123.381  | 4877.516 | 2.638 | 3.317 | 242.519 | 1.001 | 14.729 |
| 10/6/2017 2:00  | 100800 | 25.544 | 16.906 | 58.223 | 4123.571  | 4877.605 | 2.638 | 3.317 | 242.508 | 1.001 | 14.729 |
| 10/6/2017 2:15  | 101700 | 25.544 | 16.905 | 58.223 | 4123.299  | 4877.409 | 2.638 | 3.317 | 242.524 | 1.001 | 14.73  |
| 10/6/2017 2:30  | 102600 | 25.548 | 16.905 | 58.232 | 4123.788  | 4877.949 | 2.638 | 3.317 | 242.496 | 1.001 | 14.728 |
| 10/6/2017 2:45  | 103500 | 25.548 | 16.906 | 58.231 | 4123.864  | 4877.972 | 2.638 | 3.317 | 242.491 | 1.001 | 14.727 |
| 10/6/2017 3:00  | 104400 | 25.545 | 16.906 | 58.225 | 4123.877  | 4877.987 | 2.638 | 3.317 | 242.49  | 1.001 | 14.73  |
| 10/6/2017 3:15  | 105300 | 25.548 | 16.905 | 58.233 | 4124.108  | 4878.328 | 2.639 | 3.317 | 242.477 | 1.001 | 14.724 |
| 10/6/2017 3:30  | 106200 | 25.543 | 16.905 | 58.221 | 4122.404  | 4876.312 | 2.637 | 3.316 | 242.577 | 1.001 | 14.73  |
| 10/6/2017 3:45  | 107100 | 25.553 | 16.905 | 58.242 | 4123.904  | 4878.106 | 2.638 | 3.317 | 242.489 | 1.001 | 14.726 |
| 10/6/2017 4:00  | 108000 | 25.556 | 16.906 | 58.25  | 4123.7    | 4877.816 | 2.638 | 3.317 | 242.501 | 1.001 | 14.722 |
| 10/6/2017 4:15  | 108900 | 25.547 | 16.905 | 58.23  | 4123.262  | 4877.327 | 2.638 | 3.317 | 242.526 | 1.001 | 14.726 |
| 10/6/2017 4:30  | 109800 | 25.546 | 16.905 | 58.226 | 4123.874  | 4878.08  | 2.638 | 3.317 | 242.49  | 1.001 | 14.727 |
| 10/6/2017 4:45  | 110700 | 25.545 | 16.905 | 58.227 | 4123.494  | 4877.165 | 2.638 | 3.317 | 242.493 | 1.001 | 14.728 |
| 10/6/2017 5:00  | 111600 | 25.553 | 16.906 | 58.244 | 4123.815  | 4877.972 | 2.638 | 3.317 | 242.494 | 1.001 | 14.726 |
| 10/6/2017 5:15  | 112500 | 25.556 | 16.906 | 58.249 | 4124.156  | 4878.356 | 2.639 | 3.317 | 242.474 | 1.001 | 14.726 |
| 10/6/2017 5:30  | 113400 | 25.545 | 16.906 | 58.225 | 4123.481  | 4877.578 | 2.638 | 3.317 | 242.514 | 1.001 | 14.731 |
| 10/6/2017 5:45  | 114300 | 25.553 | 16.905 | 58.243 | 4123.567  | 4877.766 | 2.638 | 3.317 | 242.508 | 1.001 | 14.724 |
| 10/6/2017 6:00  | 115200 | 25.555 | 16.905 | 58.248 | 4123.477  | 4877.591 | 2.638 | 3.317 | 242.514 | 1.001 | 14.724 |
| 10/6/2017 6:15  | 116100 | 25.541 | 16.905 | 58.241 | 4123.604  | 4877.721 | 2.638 | 3.317 | 242.506 | 1.001 | 14.726 |
| 10/6/2017 6:30  | 117000 | 25.547 | 16.905 | 58.229 | 4123.686  | 4877.867 | 2.638 | 3.317 | 242.502 | 1.001 | 14.732 |
| 10/6/2017 6:45  | 117900 | 25.552 | 16.905 | 58.241 | 4123.832  | 4878.049 | 2.638 | 3.317 | 242.493 | 1.001 | 14.733 |
| 10/6/2017 7:00  | 118800 | 25.549 | 16.905 | 58.235 | 4124.38   | 4878.718 | 2.639 | 3.318 | 242.461 | 1.001 | 14.731 |
| 10/6/2017 7:15  | 119700 | 25.55  | 16.905 | 58.237 | 4124.378  | 4878.667 | 2.639 | 3.317 | 242.461 | 1.001 | 14.732 |
| 10/6/2017 7:30  | 120600 | 25.547 | 16.905 | 58.23  | 4124.517  | 4878.889 | 2.639 | 3.318 | 242.453 | 1.001 | 14.736 |
| 10/6/2017 7:45  | 121500 | 25.554 | 16.905 | 58.246 | 4124.462  | 4878.756 | 2.639 | 3.318 | 242.456 | 1.001 | 14.732 |
| 10/6/2017 8:00  | 122400 | 25.549 | 16.905 | 58.233 | 4124.541  | 4878.859 | 2.639 | 3.318 | 242.451 | 1.001 | 14.736 |
| 10/6/2017 8:15  | 123300 | 25.545 | 16.906 | 58.225 | 4123.638  | 4877.762 | 2.638 | 3.317 | 242.504 | 1.001 | 14.744 |
| 10/6/2017 8:30  | 124200 | 25.557 | 16.905 | 58.252 | 4124.032  | 4878.257 | 2.638 | 3.317 | 242.481 | 1.001 | 14.736 |
| 10/6/2017 8:45  | 125100 | 25.555 | 16.905 | 58.249 | 4124.11   | 4878.35  | 2.639 | 3.317 | 242.477 | 1.001 | 14.741 |
| 10/6/2017 9:00  | 126000 | 25.536 | 16.905 | 58.205 | 4122.861  | 4876.9   | 2.638 | 3.316 | 242.55  | 1.001 | 14.753 |
| 10/6/2017 9:15  | 126900 | 25.554 | 16.905 | 58.245 | 4121.707  | 4875.545 | 2.637 | 3.315 | 242.618 | 1.001 | 14.743 |
| 10/6/2017 9:30  | 127800 | 25.541 | 16.905 | 58.215 | 4121.597  | 4875.396 | 2.637 | 3.315 | 242.624 | 1.001 | 14.754 |
| 10/6/2017 9:45  | 128700 | 25.55  | 16.905 | 58.236 | 4120.972  | 4874.648 | 2.636 | 3.315 | 242.661 | 1.001 | 14.744 |
| 10/6/2017 10:00 | 129600 | 25.546 | 16.905 | 58.228 | 4120.998  | 4874.678 | 2.636 | 3.315 | 242.66  | 1.001 | 14.752 |
| 10/6/2017 10:15 | 130500 | 25.55  | 16.905 | 58.236 | 4121.022  | 4874.725 | 2.636 | 3.315 | 242.658 | 1.001 | 14.747 |
| 10/6/2017 10:30 | 131400 | 25.545 | 16.906 | 58.226 | 4121.88   | 4875.585 | 2.637 | 3.315 | 242.608 | 1.001 | 14.75  |
| 10/6/2017 10:45 | 132300 | 25.543 | 16.906 | 58.219 | 4122.506  | 4876.394 | 2.637 | 3.316 | 242.571 | 1.001 | 14.747 |
| 10/6/2017 11:00 | 133200 | 25.554 | 16.906 | 58.246 | 4123.17   | 4877.17  | 2.638 | 3.316 | 242.532 | 1.001 | 14.756 |
| 10/6/2017 11:15 | 134100 | 25.552 | 16.906 | 58.241 | 4123.83   | 4877.931 | 2.638 | 3.317 | 242.493 | 1.001 | 14.739 |
| 10/6/2017 11:30 | 135000 | 25.549 | 16.906 | 58.234 | 4123.08   | 4877.093 | 2.638 | 3.316 | 242.537 | 1.001 | 14.74  |
| 10/6/2017 11:45 | 135900 | 25.553 | 16.906 | 58.243 | 4124.11   | 4878.272 | 2.638 | 3.317 | 242.477 | 1.001 | 14.737 |
| 10/6/2017 12:00 | 136800 | 25.552 | 16.906 | 58.241 | 4126.202  | 4880.728 | 2.64  | 3.319 | 242.354 | 1.001 | 14.737 |
| 10/6/2017 12:15 | 137700 | 25.559 | 16.906 | 58.256 | 4125.154  | 4879.537 | 2.639 | 3.318 | 242.415 | 1.001 | 14.73  |
| 10/6/2017 12:30 | 138600 | 25.542 | 16.906 | 58.218 | 4125.053  | 4879.378 | 2.639 | 3.318 | 242.421 | 1.001 | 14.738 |
| 10/6/2017 12:45 | 139500 | 25.546 | 16.905 | 58.228 | 4125.244  | 4879.682 | 2.639 | 3.318 | 242.41  | 1.001 | 14.735 |
| 10/6/2017 13:00 | 140400 | 25.544 | 16.906 | 58.223 | 4125.095  | 4879.466 | 2.639 | 3.318 | 242.419 | 1.001 | 14.734 |
| 10/6/2017 13:15 | 141300 | 25.556 | 16.906 | 58.251 | 4125.964  | 4880.456 | 2.64  | 3.319 | 242.368 | 1.001 | 14.722 |
| 10/6/2017 13:30 | 142200 | 25.554 | 16.906 | 58.246 | 4126.684  | 4881.279 | 2.64  | 3.319 | 242.325 | 1.001 | 14.725 |
| 10/6/2017 13:45 | 143100 | 25.549 | 16.906 | 58.235 | 4126.361  | 4880.944 | 2.64  | 3.319 | 242.344 | 1.001 | 14.726 |
| 10/6/2017 14:00 | 144000 | 25.557 | 16.906 | 58.257 | 4127.232  | 4881.936 | 2.641 | 3.32  | 242.281 | 1.001 | 14.717 |
| 10/6/2017 14:15 | 144900 | 25.558 | 16.906 | 58.254 | 4127.842  | 4882.696 | 2.641 | 3.32  | 242.257 | 1.001 | 14.715 |
| 10/6/2017 14:30 | 145800 | 25.552 | 16.906 | 58.241 | 4128.348  | 4883.294 | 2.641 | 3.321 | 242.228 | 1.001 | 14.718 |
| 10/6/2017 14:45 | 146700 | 25.56  | 16.906 | 58.26  | 4126.973  | 4881.668 | 2.64  | 3.32  | 242.308 | 1.001 | 14.714 |
| 10/6/2017 15:00 | 147600 | 25.556 | 16.906 | 58.25  | 4128.591  | 4883.543 | 2.642 | 3.321 | 242.213 | 1.001 | 14.715 |
| 10/6/2017 15:15 | 148500 | 25.552 | 16.905 | 58.241 | 4128.851  | 4883.938 | 2.642 | 3.321 | 242.198 | 1.001 | 14.71  |

|                 |        |        |        |        |          |          |       |       |         |       |        |
|-----------------|--------|--------|--------|--------|----------|----------|-------|-------|---------|-------|--------|
| 10/7/2017 23:00 | 262800 | 25.582 | 16.904 | 58.31  | 4129.143 | 4884.438 | 2.642 | 3.321 | 242.181 | 1.001 | 14.652 |
| 10/7/2017 23:15 | 263700 | 25.587 | 16.904 | 58.321 | 4129.127 | 4884.478 | 2.642 | 3.321 | 242.182 | 1.001 | 14.65  |
| 10/7/2017 23:30 | 264600 | 25.588 | 16.904 | 58.322 | 4130.99  | 4886.584 | 2.643 | 3.323 | 242.073 | 1.001 | 14.644 |
| 10/7/2017 23:45 | 265500 | 25.587 | 16.904 | 58.32  | 4129.943 | 4885.356 | 2.643 | 3.322 | 242.134 | 1.001 | 14.645 |
| 10/8/2017 0:00  | 266400 | 25.584 | 16.904 | 58.313 | 4129.105 | 4884.375 | 2.642 | 3.321 | 242.183 | 1.001 | 14.648 |
| 10/8/2017 0:15  | 267300 | 25.581 | 16.904 | 58.307 | 4128.964 | 4883.862 | 2.642 | 3.321 | 242.209 | 1.001 | 14.649 |
| 10/8/2017 0:30  | 268200 | 25.584 | 16.904 | 58.314 | 4128.772 | 4883.98  | 2.642 | 3.321 | 242.203 | 1.001 | 14.649 |
| 10/8/2017 0:45  | 269100 | 25.585 | 16.904 | 58.317 | 4129.079 | 4884.324 | 2.642 | 3.321 | 242.185 | 1.001 | 14.645 |
| 10/8/2017 1:00  | 270000 | 25.585 | 16.904 | 58.317 | 4129.762 | 4885.169 | 2.642 | 3.322 | 242.145 | 1.001 | 14.641 |
| 10/8/2017 1:15  | 270900 | 25.596 | 16.904 | 58.34  | 4130.337 | 4885.851 | 2.643 | 3.322 | 242.111 | 1.001 | 14.637 |
| 10/8/2017 1:30  | 271800 | 25.58  | 16.904 | 58.305 | 4130.951 | 4886.558 | 2.643 | 3.323 | 242.075 | 1.001 | 14.651 |
| 10/8/2017 1:45  | 272700 | 25.589 | 16.904 | 58.325 | 4131.587 | 4887.329 | 2.644 | 3.323 | 242.038 | 1.001 | 14.645 |
| 10/8/2017 2:00  | 273600 | 25.59  | 16.904 | 58.328 | 4131.281 | 4886.939 | 2.643 | 3.323 | 242.056 | 1.001 | 14.642 |
| 10/8/2017 2:15  | 274500 | 25.583 | 16.905 | 58.312 | 4130.099 | 4885.492 | 2.643 | 3.322 | 242.125 | 1.001 | 14.646 |
| 10/8/2017 2:30  | 275400 | 25.586 | 16.904 | 58.319 | 4129.853 | 4885.259 | 2.642 | 3.322 | 242.139 | 1.001 | 14.644 |
| 10/8/2017 2:45  | 276300 | 25.591 | 16.904 | 58.33  | 4129.962 | 4885.378 | 2.643 | 3.322 | 242.133 | 1.001 | 14.637 |
| 10/8/2017 3:00  | 277200 | 25.587 | 16.904 | 58.322 | 4130.833 | 4886.428 | 2.643 | 3.323 | 242.082 | 1.001 | 14.642 |
| 10/8/2017 3:15  | 278100 | 25.585 | 16.904 | 58.317 | 4130.698 | 4886.327 | 2.643 | 3.323 | 242.09  | 1.001 | 14.641 |
| 10/8/2017 3:30  | 279000 | 25.587 | 16.904 | 58.32  | 4130.684 | 4886.26  | 2.643 | 3.323 | 242.091 | 1.001 | 14.639 |
| 10/8/2017 3:45  | 279900 | 25.59  | 16.903 | 58.327 | 4130.417 | 4886.023 | 2.643 | 3.322 | 242.106 | 1.001 | 14.634 |
| 10/8/2017 4:00  | 280800 | 25.596 | 16.904 | 58.342 | 4130.769 | 4886.411 | 2.643 | 3.323 | 242.086 | 1.001 | 14.63  |
| 10/8/2017 4:15  | 281700 | 25.591 | 16.904 | 58.331 | 4130.576 | 4886.115 | 2.643 | 3.323 | 242.097 | 1.001 | 14.63  |
| 10/8/2017 4:30  | 282600 | 25.588 | 16.904 | 58.323 | 4131.333 | 4887.011 | 2.643 | 3.323 | 242.053 | 1.001 | 14.633 |
| 10/8/2017 4:45  | 283500 | 25.592 | 16.904 | 58.331 | 4130.978 | 4886.6   | 2.643 | 3.323 | 242.073 | 1.001 | 14.633 |
| 10/8/2017 5:00  | 284400 | 25.593 | 16.904 | 58.334 | 4131.183 | 4886.871 | 2.643 | 3.323 | 242.061 | 1.001 | 14.629 |
| 10/8/2017 5:15  | 285300 | 25.598 | 16.904 | 58.345 | 4131.471 | 4887.222 | 2.644 | 3.323 | 242.045 | 1.001 | 14.624 |
| 10/8/2017 5:30  | 286200 | 25.592 | 16.904 | 58.332 | 4131.69  | 4887.433 | 2.644 | 3.323 | 242.032 | 1.001 | 14.632 |
| 10/8/2017 5:45  | 287100 | 25.596 | 16.904 | 58.342 | 4132.494 | 4888.373 | 2.644 | 3.324 | 241.985 | 1.001 | 14.627 |
| 10/8/2017 6:00  | 288000 | 25.588 | 16.904 | 58.323 | 4131.541 | 4887.304 | 2.644 | 3.323 | 242.04  | 1.001 | 14.631 |
| 10/8/2017 6:15  | 288900 | 25.588 | 16.904 | 58.322 | 4131.512 | 4887.259 | 2.644 | 3.323 | 242.042 | 1.001 | 14.637 |
| 10/8/2017 6:30  | 289800 | 25.593 | 16.903 | 58.335 | 4131.24  | 4886.988 | 2.643 | 3.323 | 242.058 | 1.001 | 14.638 |
| 10/8/2017 6:45  | 290700 | 25.586 | 16.904 | 58.319 | 4131.098 | 4886.8   | 2.643 | 3.323 | 242.066 | 1.001 | 14.636 |
| 10/8/2017 7:00  | 291600 | 25.586 | 16.904 | 58.318 | 4130.429 | 4886.008 | 2.643 | 3.322 | 242.106 | 1.001 | 14.637 |
| 10/8/2017 7:15  | 292500 | 25.589 | 16.904 | 58.325 | 4130.229 | 4885.695 | 2.643 | 3.322 | 242.117 | 1.001 | 14.633 |
| 10/8/2017 7:30  | 293400 | 25.595 | 16.904 | 58.339 | 4131.196 | 4886.819 | 2.643 | 3.323 | 242.061 | 1.001 | 14.631 |
| 10/8/2017 7:45  | 294300 | 25.588 | 16.903 | 58.324 | 4130.057 | 4885.587 | 2.643 | 3.322 | 242.127 | 1.001 | 14.636 |
| 10/8/2017 8:00  | 295200 | 25.597 | 16.904 | 58.344 | 4130.48  | 4886.02  | 2.643 | 3.322 | 242.103 | 1.001 | 14.632 |
| 10/8/2017 8:15  | 296100 | 25.595 | 16.904 | 58.34  | 4130.175 | 4885.678 | 2.643 | 3.322 | 242.12  | 1.001 | 14.632 |
| 10/8/2017 8:30  | 297000 | 25.589 | 16.904 | 58.326 | 4129.798 | 4885.271 | 2.642 | 3.322 | 242.143 | 1.001 | 14.639 |
| 10/8/2017 8:45  | 297900 | 25.584 | 16.904 | 58.314 | 4130.836 | 4886.471 | 2.643 | 3.323 | 242.082 | 1.001 | 14.64  |
| 10/8/2017 9:00  | 298800 | 25.595 | 16.904 | 58.339 | 4130.575 | 4886.162 | 2.643 | 3.323 | 242.097 | 1.001 | 14.639 |
| 10/8/2017 9:15  | 299700 | 25.593 | 16.904 | 58.335 | 4131.638 | 4887.438 | 2.644 | 3.323 | 242.035 | 1.001 | 14.64  |
| 10/8/2017 9:30  | 300600 | 25.598 | 16.904 | 58.345 | 4131.139 | 4886.845 | 2.643 | 3.323 | 242.043 | 1.001 | 14.638 |
| 10/8/2017 9:45  | 301500 | 25.588 | 16.904 | 58.323 | 4130.629 | 4886.235 | 2.643 | 3.323 | 242.094 | 1.001 | 14.644 |
| 10/8/2017 10:00 | 302400 | 25.592 | 16.903 | 58.333 | 4130.63  | 4886.266 | 2.643 | 3.323 | 242.094 | 1.001 | 14.636 |
| 10/8/2017 10:15 | 303300 | 25.591 | 16.904 | 58.331 | 4129.713 | 4885.132 | 2.642 | 3.322 | 242.148 | 1.001 | 14.637 |
| 10/8/2017 10:30 | 304200 | 25.6   | 16.904 | 58.35  | 4130.364 | 4885.864 | 2.643 | 3.322 | 242.109 | 1.001 | 14.629 |
| 10/8/2017 10:45 | 305100 | 25.595 | 16.904 | 58.34  | 4132.469 | 4888.402 | 2.644 | 3.324 | 241.986 | 1.001 | 14.631 |
| 10/8/2017 11:00 | 306000 | 25.59  | 16.905 | 58.327 | 4132.426 | 4888.264 | 2.644 | 3.324 | 241.989 | 1.001 | 14.635 |
| 10/8/2017 11:15 | 306900 | 25.599 | 16.904 | 58.349 | 4132.447 | 4888.365 | 2.644 | 3.324 | 241.987 | 1.001 | 14.631 |
| 10/8/2017 11:30 | 307800 | 25.598 | 16.903 | 58.347 | 4132.664 | 4888.672 | 2.644 | 3.324 | 241.975 | 1.001 | 14.63  |
| 10/8/2017 11:45 | 308700 | 25.595 | 16.904 | 58.339 | 4133.622 | 4889.727 | 2.645 | 3.325 | 241.919 | 1.001 | 14.63  |
| 10/8/2017 12:00 | 309600 | 25.597 | 16.904 | 58.343 | 4132.247 | 4888.091 | 2.644 | 3.324 | 241.999 | 1.001 | 14.626 |
| 10/8/2017 12:15 | 310500 | 25.598 | 16.904 | 58.346 | 4132.515 | 4888.438 | 2.644 | 3.324 | 241.983 | 1.001 | 14.625 |
| 10/8/2017 12:30 | 311400 | 25.59  | 16.904 | 58.328 | 4133.612 | 4889.755 | 2.645 | 3.325 | 241.919 | 1.001 | 14.63  |
| 10/8/2017 12:45 | 312300 | 25.597 | 16.903 | 58.343 | 4133.524 | 4889.728 | 2.645 | 3.325 | 241.924 | 1.001 | 14.628 |
| 10/8/2017 13:00 | 313200 | 25.591 | 16.904 | 58.329 | 4132.29  | 4888.113 | 2.644 | 3.324 | 241.997 | 1.001 | 14.629 |
| 10/8/2017 13:15 | 314100 | 25.597 | 16.904 | 58.344 | 4132.725 | 4888.675 | 2.644 | 3.324 | 241.971 | 1.001 | 14.623 |
| 10/8/2017 13:30 | 315000 | 25.6   | 16.904 | 58.351 | 4133.643 | 4889.713 | 2.645 | 3.325 | 241.917 | 1.001 | 14.62  |
| 10/8/2017 13:45 | 315900 | 25.605 | 16.904 | 58.361 | 4134.142 | 4890.351 | 2.645 | 3.325 | 241.888 | 1.001 | 14.613 |
| 10/8/2017 14:00 | 316800 | 25.596 | 16.904 | 58.341 | 4132.95  | 4888.779 | 2.645 | 3.325 | 241.958 | 1.001 | 14.623 |
| 10/8/2017 14:15 | 317700 | 25.597 | 16.904 | 58.344 | 4133.922 | 4890.144 | 2.645 | 3.325 | 241.9   | 1.001 | 14.627 |
| 10/8/2017 14:30 | 318600 | 25.592 | 16.904 | 58.332 | 4133.987 | 4890.149 | 2.645 | 3.325 | 241.897 | 1.001 | 14.617 |
| 10/8/2017 14:45 | 319500 | 25.604 | 16.904 | 58.359 | 4133.872 | 4890.023 | 2.645 | 3.325 | 241.904 | 1.001 | 14.613 |
| 10/8/2017 15:00 | 320400 | 25.603 | 16.905 | 58.357 | 4135.433 | 4891.801 | 2.646 | 3.326 | 241.813 | 1.001 | 14.607 |
| 10/8/2017 15:15 | 321300 | 25.6   | 16.904 | 58.349 | 4135.244 | 4891.655 | 2.646 | 3.326 | 241.824 | 1.001 | 14.613 |
| 10/8/2017 15:30 | 322200 | 25.599 | 16.904 | 58.349 | 4135.013 | 4891.439 | 2.646 | 3.326 | 241.837 | 1.001 | 14.613 |
| 10/8/2017 15:45 | 323100 | 25.606 | 16.904 | 58.363 | 4135.925 | 4892.463 | 2.647 | 3.327 | 241.784 | 1.001 | 14.608 |
| 10/8/2017 16:00 | 324000 | 25.605 | 16.904 | 58.362 | 4135.543 | 4892.02  | 2.646 | 3.327 | 241.806 | 1.001 | 14.608 |
| 10/8/2017 16:15 | 324900 | 25.597 | 16.904 | 58.343 | 4136.168 | 4892.729 | 2.647 | 3.327 | 241.77  | 1.001 | 14.611 |
| 10/8/2017 16:30 | 325800 | 25.604 | 16.903 | 58.359 | 4134.727 | 4891.121 | 2.646 | 3.326 | 241.854 | 1.001 | 14.607 |
| 10/8/2017 16:45 | 326700 | 25.595 | 16.903 | 58.34  | 4135.04  | 4891.492 | 2.646 | 3.326 | 241.836 | 1.001 | 14.611 |
| 10/8/2017 17:00 | 327600 | 25.595 | 16.904 | 58.339 | 4134.788 | 4891.097 | 2.646 | 3.326 | 241.85  | 1.001 | 14.611 |
| 10/8/2017 17:15 | 328500 | 25.601 | 16.903 | 58.353 | 4134.959 | 4891.453 | 2.646 | 3.326 | 241.84  | 1.001 | 14.61  |
| 10/8/2017 17:30 | 329400 | 25.603 | 16.904 | 58.357 | 4135.122 | 4891.521 | 2.646 | 3.326 | 241.831 | 1.001 | 14.606 |
| 10/8/2017 17:45 | 330300 | 25.595 | 16.904 | 58.34  | 4136.5   | 4893.18  | 2.647 | 3.327 | 241.75  | 1.001 | 14.612 |
| 10/8/2017 18:00 | 331200 | 25.606 | 16.904 | 58.364 | 4136.15  | 4892.766 | 2.647 | 3.327 | 241.771 | 1.001 | 14.602 |
| 10/8/2017 18:15 | 332100 | 25.603 | 16.904 | 58.358 | 4135.309 | 4891.762 | 2.646 | 3.326 | 241.82  | 1.001 | 14.609 |
| 10/8/2017 18:30 | 333000 | 25.611 | 16.904 | 58.376 | 4135.767 | 4892.313 | 2.647 | 3.327 | 241.793 | 1.001 | 14.599 |
| 10/8/2017 18:45 | 333900 | 25.606 | 16.903 | 58.364 | 4136.411 | 4893.164 | 2.647 | 3.327 | 241.755 | 1.001 | 14.605 |
| 10/8/2017 19:00 | 334800 | 25.596 | 16.904 | 58.341 | 4136.363 | 4893.008 | 2.647 | 3.327 | 241.758 | 1.001 | 14.615 |
| 10/8/2017 19:15 | 335700 | 25.601 | 16.903 | 58.353 | 4135.632 | 4892.192 | 2.646 | 3.327 | 241.801 | 1.001 | 14.611 |
| 10/8/2017 19:30 | 336600 | 25.601 | 16.904 | 58.353 | 4134.609 | 4890.962 | 2.646 | 3.326 | 241.861 | 1.001 | 14.614 |
| 10/8/2017 19:45 | 337500 | 25.6   | 16.904 | 58.35  | 4134.105 | 4890.327 | 2.645 | 3.325 | 241.89  | 1.001 | 14.616 |
| 10/8/2017 20:00 | 338400 | 25.602 | 16.903 | 58.356 | 4134.612 | 4890.976 | 2.646 | 3.326 | 2       |       |        |

|                  |        |        |        |        |          |          |       |       |         |       |        |
|------------------|--------|--------|--------|--------|----------|----------|-------|-------|---------|-------|--------|
| 10/10/2017 3:45  | 452700 | 25.627 | 16.902 | 58.411 | 4137.558 | 4894.606 | 2.648 | 3.328 | 241.688 | 1.001 | 14.682 |
| 10/10/2017 4:00  | 453600 | 25.628 | 16.903 | 58.414 | 4137.505 | 4894.494 | 2.648 | 3.328 | 241.692 | 1.001 | 14.682 |
| 10/10/2017 4:15  | 454500 | 25.63  | 16.903 | 58.418 | 4137.993 | 4895.071 | 2.648 | 3.329 | 241.663 | 1.001 | 14.681 |
| 10/10/2017 4:30  | 455400 | 25.627 | 16.903 | 58.413 | 4138.153 | 4895.261 | 2.648 | 3.329 | 241.654 | 1.001 | 14.681 |
| 10/10/2017 4:45  | 456300 | 25.632 | 16.902 | 58.424 | 4138.715 | 4895.984 | 2.649 | 3.329 | 241.621 | 1.001 | 14.682 |
| 10/10/2017 5:00  | 457200 | 25.625 | 16.902 | 58.406 | 4137.661 | 4894.749 | 2.648 | 3.328 | 241.682 | 1.001 | 14.686 |
| 10/10/2017 5:15  | 458100 | 25.629 | 16.902 | 58.417 | 4137.965 | 4895.058 | 2.648 | 3.329 | 241.665 | 1.001 | 14.685 |
| 10/10/2017 5:30  | 459000 | 25.629 | 16.902 | 58.417 | 4138.194 | 4895.339 | 2.648 | 3.329 | 241.651 | 1.001 | 14.685 |
| 10/10/2017 5:45  | 459900 | 25.628 | 16.902 | 58.414 | 4137.085 | 4894.056 | 2.648 | 3.328 | 241.716 | 1.001 | 14.686 |
| 10/10/2017 6:00  | 460800 | 25.625 | 16.902 | 58.407 | 4137.791 | 4894.872 | 2.648 | 3.329 | 241.675 | 1.001 | 14.688 |
| 10/10/2017 6:15  | 461700 | 25.625 | 16.902 | 58.407 | 4137.145 | 4894.146 | 2.648 | 3.328 | 241.713 | 1.001 | 14.689 |
| 10/10/2017 6:30  | 462600 | 25.631 | 16.902 | 58.42  | 4137.828 | 4895.045 | 2.648 | 3.329 | 241.667 | 1.001 | 14.686 |
| 10/10/2017 6:45  | 463500 | 25.629 | 16.902 | 58.415 | 4138.205 | 4895.4   | 2.648 | 3.329 | 241.651 | 1.001 | 14.689 |
| 10/10/2017 7:00  | 464400 | 25.618 | 16.902 | 58.392 | 4137.345 | 4894.364 | 2.648 | 3.328 | 241.701 | 1.001 | 14.696 |
| 10/10/2017 7:15  | 465300 | 25.622 | 16.902 | 58.399 | 4137.905 | 4895.037 | 2.648 | 3.329 | 241.668 | 1.001 | 14.695 |
| 10/10/2017 7:30  | 466200 | 25.624 | 16.902 | 58.405 | 4137.906 | 4895.077 | 2.648 | 3.329 | 241.668 | 1.001 | 14.693 |
| 10/10/2017 7:45  | 467100 | 25.626 | 16.902 | 58.409 | 4137.657 | 4894.763 | 2.648 | 3.328 | 241.683 | 1.001 | 14.695 |
| 10/10/2017 8:00  | 468000 | 25.631 | 16.902 | 58.421 | 4138.01  | 4895.13  | 2.648 | 3.329 | 241.662 | 1.001 | 14.688 |
| 10/10/2017 8:15  | 468900 | 25.632 | 16.902 | 58.422 | 4138.129 | 4895.271 | 2.648 | 3.329 | 241.655 | 1.001 | 14.689 |
| 10/10/2017 8:30  | 469800 | 25.625 | 16.902 | 58.408 | 4138.715 | 4896.014 | 2.649 | 3.329 | 241.621 | 1.001 | 14.698 |
| 10/10/2017 8:45  | 470700 | 25.627 | 16.902 | 58.411 | 4137.588 | 4894.682 | 2.648 | 3.328 | 241.687 | 1.001 | 14.697 |
| 10/10/2017 9:00  | 471600 | 25.626 | 16.902 | 58.41  | 4136.786 | 4893.722 | 2.647 | 3.328 | 241.734 | 1.001 | 14.7   |
| 10/10/2017 9:15  | 472500 | 25.628 | 16.902 | 58.415 | 4135.587 | 4892.304 | 2.647 | 3.327 | 241.804 | 1.001 | 14.701 |
| 10/10/2017 9:30  | 473400 | 25.628 | 16.902 | 58.414 | 4135.682 | 4892.407 | 2.647 | 3.327 | 241.798 | 1.001 | 14.7   |
| 10/10/2017 9:45  | 474300 | 25.626 | 16.902 | 58.421 | 4135.243 | 4891.896 | 2.646 | 3.326 | 241.824 | 1.001 | 14.699 |
| 10/10/2017 10:00 | 475200 | 25.635 | 16.902 | 58.431 | 4135.479 | 4892.136 | 2.646 | 3.327 | 241.81  | 1.001 | 14.693 |
| 10/10/2017 10:15 | 476100 | 25.627 | 16.902 | 58.412 | 4135.982 | 4892.712 | 2.647 | 3.327 | 241.781 | 1.001 | 14.697 |
| 10/10/2017 10:30 | 477000 | 25.63  | 16.902 | 58.418 | 4135.508 | 4892.171 | 2.646 | 3.327 | 241.808 | 1.001 | 14.696 |
| 10/10/2017 10:45 | 477900 | 25.62  | 16.902 | 58.396 | 4136.581 | 4893.42  | 2.647 | 3.328 | 241.746 | 1.001 | 14.7   |
| 10/10/2017 11:00 | 478800 | 25.633 | 16.902 | 58.425 | 4136.875 | 4893.807 | 2.647 | 3.328 | 241.728 | 1.001 | 14.694 |
| 10/10/2017 11:15 | 479700 | 25.626 | 16.902 | 58.409 | 4137.186 | 4894.136 | 2.648 | 3.328 | 241.71  | 1.001 | 14.699 |
| 10/10/2017 11:30 | 480600 | 25.624 | 16.902 | 58.405 | 4137.927 | 4895.004 | 2.648 | 3.329 | 241.667 | 1.001 | 14.698 |
| 10/10/2017 11:45 | 481500 | 25.625 | 16.902 | 58.408 | 4137.505 | 4894.573 | 2.648 | 3.328 | 241.692 | 1.001 | 14.699 |
| 10/10/2017 12:00 | 482400 | 25.627 | 16.902 | 58.412 | 4138.453 | 4895.635 | 2.648 | 3.329 | 241.636 | 1.001 | 14.698 |
| 10/10/2017 12:15 | 483300 | 25.624 | 16.902 | 58.404 | 4139.049 | 4896.398 | 2.649 | 3.33  | 241.601 | 1.001 | 14.697 |
| 10/10/2017 12:30 | 484200 | 25.63  | 16.902 | 58.418 | 4137.322 | 4894.336 | 2.648 | 3.328 | 241.702 | 1.001 | 14.7   |
| 10/10/2017 12:45 | 485100 | 25.631 | 16.902 | 58.422 | 4136.989 | 4893.923 | 2.647 | 3.328 | 241.722 | 1.001 | 14.692 |
| 10/10/2017 13:00 | 486000 | 25.625 | 16.902 | 58.408 | 4137.903 | 4895.015 | 2.648 | 3.329 | 241.668 | 1.001 | 14.694 |
| 10/10/2017 13:15 | 486900 | 25.627 | 16.903 | 58.411 | 4138.768 | 4895.97  | 2.649 | 3.329 | 241.618 | 1.001 | 14.697 |
| 10/10/2017 13:30 | 487800 | 25.631 | 16.902 | 58.42  | 4139.114 | 4896.437 | 2.649 | 3.33  | 241.598 | 1.001 | 14.69  |
| 10/10/2017 13:45 | 488700 | 25.637 | 16.902 | 58.435 | 4139.05  | 4896.352 | 2.649 | 3.33  | 241.601 | 1.001 | 14.686 |
| 10/10/2017 14:00 | 489600 | 25.632 | 16.902 | 58.423 | 4138.34  | 4895.501 | 2.648 | 3.329 | 241.643 | 1.001 | 14.692 |
| 10/10/2017 14:15 | 490500 | 25.627 | 16.902 | 58.413 | 4139.336 | 4896.758 | 2.649 | 3.33  | 241.585 | 1.001 | 14.688 |
| 10/10/2017 14:30 | 491400 | 25.632 | 16.902 | 58.424 | 4139.208 | 4896.579 | 2.649 | 3.33  | 241.592 | 1.001 | 14.685 |
| 10/10/2017 14:45 | 492300 | 25.633 | 16.903 | 58.426 | 4139.113 | 4896.387 | 2.649 | 3.33  | 241.598 | 1.001 | 14.686 |
| 10/10/2017 15:00 | 493200 | 25.63  | 16.902 | 58.419 | 4140.46  | 4898.021 | 2.65  | 3.331 | 241.519 | 1.001 | 14.687 |
| 10/10/2017 15:15 | 494100 | 25.64  | 16.902 | 58.441 | 4139.466 | 4896.844 | 2.649 | 3.33  | 241.577 | 1.001 | 14.682 |
| 10/10/2017 15:30 | 495000 | 25.635 | 16.903 | 58.429 | 4139.934 | 4897.367 | 2.649 | 3.33  | 241.55  | 1.001 | 14.685 |
| 10/10/2017 15:45 | 495900 | 25.628 | 16.902 | 58.415 | 4140.456 | 4898.005 | 2.65  | 3.331 | 241.519 | 1.001 | 14.691 |
| 10/10/2017 16:00 | 496800 | 25.638 | 16.902 | 58.438 | 4140.152 | 4897.684 | 2.65  | 3.33  | 241.537 | 1.001 | 14.683 |
| 10/10/2017 16:15 | 497700 | 25.637 | 16.901 | 58.434 | 4139.34  | 4896.82  | 2.649 | 3.33  | 241.584 | 1.001 | 14.687 |
| 10/10/2017 16:30 | 498600 | 25.633 | 16.902 | 58.426 | 4139.53  | 4896.987 | 2.649 | 3.33  | 241.573 | 1.001 | 14.69  |
| 10/10/2017 16:45 | 499500 | 25.63  | 16.902 | 58.418 | 4140.591 | 4898.253 | 2.65  | 3.331 | 241.511 | 1.001 | 14.69  |
| 10/10/2017 17:00 | 500400 | 25.629 | 16.901 | 58.417 | 4140.155 | 4897.746 | 2.65  | 3.33  | 241.537 | 1.001 | 14.69  |
| 10/10/2017 17:15 | 501300 | 25.635 | 16.902 | 58.43  | 4139.926 | 4897.467 | 2.649 | 3.33  | 241.55  | 1.001 | 14.689 |
| 10/10/2017 17:30 | 502200 | 25.633 | 16.901 | 58.424 | 4139.919 | 4897.487 | 2.65  | 3.33  | 241.551 | 1.001 | 14.683 |
| 10/10/2017 17:45 | 503100 | 25.637 | 16.902 | 58.434 | 4138.441 | 4895.661 | 2.648 | 3.329 | 241.637 | 1.001 | 14.685 |
| 10/10/2017 18:00 | 504000 | 25.64  | 16.902 | 58.441 | 4139.533 | 4896.991 | 2.649 | 3.33  | 241.573 | 1.001 | 14.689 |
| 10/10/2017 18:15 | 504900 | 25.635 | 16.902 | 58.431 | 4139.564 | 4896.98  | 2.649 | 3.33  | 241.571 | 1.001 | 14.687 |
| 10/10/2017 18:30 | 505800 | 25.634 | 16.902 | 58.427 | 4139.239 | 4896.654 | 2.649 | 3.33  | 241.59  | 1.001 | 14.689 |
| 10/10/2017 18:45 | 506700 | 25.639 | 16.901 | 58.44  | 4139.899 | 4897.473 | 2.65  | 3.33  | 241.552 | 1.001 | 14.687 |
| 10/10/2017 19:00 | 507600 | 25.631 | 16.901 | 58.421 | 4139.536 | 4897.014 | 2.649 | 3.33  | 241.573 | 1.001 | 14.689 |
| 10/10/2017 19:15 | 508500 | 25.633 | 16.901 | 58.427 | 4140.097 | 4897.716 | 2.65  | 3.33  | 241.54  | 1.001 | 14.693 |
| 10/10/2017 19:30 | 509400 | 25.637 | 16.902 | 58.435 | 4139.491 | 4896.941 | 2.649 | 3.33  | 241.576 | 1.001 | 14.692 |
| 10/10/2017 19:45 | 510300 | 25.634 | 16.901 | 58.427 | 4138.914 | 4896.307 | 2.649 | 3.329 | 241.609 | 1.001 | 14.696 |
| 10/10/2017 20:00 | 511200 | 25.635 | 16.902 | 58.43  | 4138.834 | 4896.156 | 2.649 | 3.329 | 241.614 | 1.001 | 14.691 |
| 10/10/2017 20:15 | 512100 | 25.642 | 16.902 | 58.446 | 4139.405 | 4896.801 | 2.649 | 3.33  | 241.581 | 1.001 | 14.689 |
| 10/10/2017 20:30 | 513000 | 25.626 | 16.902 | 58.409 | 4139.818 | 4897.209 | 2.649 | 3.33  | 241.556 | 1.001 | 14.696 |
| 10/10/2017 20:45 | 513900 | 25.637 | 16.902 | 58.435 | 4139.248 | 4896.625 | 2.649 | 3.33  | 241.59  | 1.001 | 14.693 |
| 10/10/2017 21:00 | 514800 | 25.638 | 16.901 | 58.438 | 4138.973 | 4896.396 | 2.649 | 3.33  | 241.606 | 1.001 | 14.691 |
| 10/10/2017 21:15 | 515700 | 25.638 | 16.902 | 58.438 | 4138.669 | 4895.96  | 2.649 | 3.329 | 241.624 | 1.001 | 14.694 |
| 10/10/2017 21:30 | 516600 | 25.642 | 16.902 | 58.445 | 4138.866 | 4896.213 | 2.649 | 3.329 | 241.612 | 1.001 | 14.696 |
| 10/10/2017 21:45 | 517500 | 25.64  | 16.902 | 58.441 | 4138.443 | 4895.692 | 2.648 | 3.329 | 241.637 | 1.001 | 14.695 |
| 10/10/2017 22:00 | 518400 | 25.641 | 16.901 | 58.444 | 4138.688 | 4896.021 | 2.649 | 3.329 | 241.622 | 1.001 | 14.692 |
| 10/10/2017 22:15 | 519300 | 25.643 | 16.901 | 58.449 | 4138.336 | 4895.605 | 2.648 | 3.329 | 241.643 | 1.001 | 14.696 |
| 10/10/2017 22:30 | 520200 | 25.633 | 16.901 | 58.425 | 4138.648 | 4895.974 | 2.649 | 3.329 | 241.625 | 1.001 | 14.699 |
| 10/10/2017 22:45 | 521100 | 25.645 | 16.901 | 58.453 | 4138.125 | 4895.364 | 2.648 | 3.329 | 241.655 | 1.001 | 14.701 |
| 10/10/2017 23:00 | 522000 | 25.639 | 16.901 | 58.44  | 4137.837 | 4895.043 | 2.648 | 3.329 | 241.672 | 1.001 | 14.703 |
| 10/10/2017 23:15 | 522900 | 25.633 | 16.902 | 58.427 | 4137.905 | 4895.037 | 2.648 | 3.329 | 241.668 | 1.001 | 14.706 |
| 10/10/2017 23:30 | 523800 | 25.637 | 16.901 | 58.424 | 4138.649 | 4895.584 | 2.649 | 3.329 | 241.625 | 1.001 | 14.705 |
| 10/10/2017 23:45 | 524700 | 25.638 | 16.901 | 58.437 | 4138.494 | 4895.792 | 2.649 | 3.329 | 241.634 | 1.001 | 14.702 |
| 10/11/2017 0:00  | 525600 | 25.638 | 16.901 | 58.438 | 4137.675 | 4894.832 | 2.648 | 3.328 | 241.682 | 1.001 | 14.703 |
| 10/11/2017 0:15  | 526500 | 25.635 | 16.902 | 58.43  | 4137.982 | 4895.157 | 2.648 | 3.329 | 241.664 | 1.001 | 14.704 |
| 10/11/2017 0:30  | 527400 | 25.634 | 16.901 | 58.427 | 4137.948 | 4895.154 | 2.648 | 3.329 | 241.666 | 1.001 | 14.705 |
| 10/11/2017 0:45  | 528300 | 25     |        |        |          |          |       |       |         |       |        |



|                 |            |        |        |        |           |           |        |        |        |       |
|-----------------|------------|--------|--------|--------|-----------|-----------|--------|--------|--------|-------|
| 10/5/2017 10:00 | 43200      | 25.763 | 15.972 | 58.034 | 41185.66  | 49767.074 | 32.671 | 33.842 | 24.28  | 1.024 |
| 10/5/2017 10:15 | 44100      | 25.776 | 15.968 | 58.063 | 41199.578 | 49788.75  | 32.686 | 33.856 | 24.272 | 1.024 |
| 10/5/2017 10:30 | 45000      | 25.79  | 15.962 | 58.095 | 41248.609 | 49855.02  | 32.734 | 33.901 | 24.243 | 1.024 |
| 10/5/2017 10:45 | 45900      | 25.8   | 15.954 | 58.117 | 41275.043 | 49895.816 | 32.764 | 33.929 | 24.228 | 1.024 |
| 10/5/2017 11:00 | 46800      | 25.809 | 15.948 | 58.138 | 41297.98  | 49930.359 | 32.789 | 33.953 | 24.214 | 1.024 |
| 10/5/2017 11:15 | 47700      | 25.817 | 15.944 | 58.156 | 41342.918 | 49989.578 | 32.832 | 33.993 | 24.188 | 1.024 |
| 10/5/2017 11:30 | 48600      | 25.825 | 15.933 | 58.174 | 41351.539 | 50012.457 | 32.848 | 34.008 | 24.183 | 1.024 |
| 10/5/2017 11:45 | 49500      | 25.831 | 15.928 | 58.186 | 41388.871 | 50064.137 | 32.885 | 34.044 | 24.161 | 1.024 |
| 10/5/2017 12:00 | 50400      | 25.834 | 15.923 | 58.194 | 41356.977 | 50031.375 | 32.861 | 34.021 | 24.18  | 1.024 |
| 10/5/2017 12:15 | 51300      | 25.836 | 15.914 | 58.197 | 41424.766 | 50123.711 | 32.928 | 34.084 | 24.14  | 1.024 |
| 10/5/2017 12:30 | 52200      | 25.84  | 15.91  | 58.206 | 41452.82  | 50161.34  | 32.955 | 34.11  | 24.124 | 1.024 |
| 10/5/2017 12:45 | 53100      | 25.838 | 15.908 | 58.202 | 41484.34  | 50201.941 | 32.985 | 34.137 | 24.105 | 1.024 |
| 10/5/2017 13:00 | 54000      | 25.833 | 15.909 | 58.192 | 41525.078 | 50250.223 | 33.02  | 34.17  | 24.082 | 1.024 |
| 10/5/2017 13:15 | 54900      | 25.828 | 15.911 | 58.181 | 41593.234 | 50331.145 | 33.08  | 34.225 | 24.042 | 1.024 |
| 10/5/2017 13:30 | 55800      | 25.828 | 15.918 | 58.181 | 41626.332 | 50362.164 | 33.103 | 34.246 | 24.023 | 1.024 |
| 10/5/2017 13:45 | 56700      | 25.818 | 15.947 | 58.157 | 41637.703 | 50343.047 | 33.091 | 34.233 | 24.017 | 1.024 |
| 10/5/2017 14:00 | 57600      | 25.815 | 16.007 | 58.151 | 41801.941 | 50471.254 | 33.19  | 34.32  | 23.922 | 1.024 |
| 10/5/2017 14:15 | 58500      | 25.81  | 16.076 | 58.14  | 41770.902 | 50353.426 | 33.108 | 34.24  | 23.94  | 1.024 |
| 10/5/2017 14:30 | 59400      | 25.807 | 16.126 | 58.132 | 41393.48  | 49841.258 | 32.736 | 33.892 | 24.158 | 1.024 |
| 10/5/2017 14:45 | 60300      | 25.802 | 16.178 | 58.122 | 41263.051 | 49624.926 | 32.581 | 33.745 | 24.235 | 1.024 |
| 10/5/2017 15:00 | 61200      | 25.799 | 16.216 | 58.115 | 41219.18  | 49528.918 | 32.513 | 33.68  | 24.261 | 1.024 |
| 10/5/2017 15:15 | 62100      | 25.792 | 16.247 | 58.098 | 41195.363 | 49464.953 | 32.469 | 33.636 | 24.275 | 1.024 |
| 10/5/2017 15:30 | 63000      | 25.789 | 16.274 | 58.092 | 41205.93  | 49446.852 | 32.457 | 33.624 | 24.268 | 1.024 |
| 10/5/2017 15:45 | 63900      | 25.786 | 16.298 | 58.085 | 41177.617 | 49386.336 | 32.415 | 33.583 | 24.285 | 1.024 |
| 10/5/2017 16:00 | 64800      | 25.786 | 16.154 | 58.086 | 41155.188 | 49522.699 | 32.504 | 33.675 | 24.298 | 1.024 |
| 10/5/2017 16:15 | 65700      | 25.777 | 16.057 | 58.065 | 41070.215 | 49530.219 | 32.503 | 33.681 | 24.349 | 1.024 |
| 10/5/2017 16:30 | 66600      | 25.781 | 16.21  | 58.075 | 41063.688 | 49348.957 | 32.381 | 33.557 | 24.352 | 1.024 |
| 10/5/2017 16:45 | 67500      | 25.783 | 16.297 | 58.079 | 41129.797 | 49329.785 | 32.373 | 33.544 | 24.313 | 1.024 |
| 10/5/2017 17:00 | 68400      | 25.786 | 16.32  | 58.085 | 41130.578 | 49304.641 | 32.356 | 33.527 | 24.313 | 1.024 |
| 10/5/2017 17:15 | 69300      | 25.786 | 16.329 | 58.085 | 41174.152 | 49347.199 | 32.388 | 33.556 | 24.287 | 1.024 |
| 10/5/2017 17:30 | 70200      | 25.792 | 16.343 | 58.099 | 41119.805 | 49265.355 | 33.329 | 33.5   | 24.319 | 1.024 |
| 10/5/2017 17:45 | 71100      | 25.796 | 16.345 | 58.108 | 41149.824 | 49299.238 | 32.354 | 33.523 | 24.301 | 1.024 |
| 10/5/2017 18:00 | 72000      | 25.801 | 16.359 | 58.118 | 41120.688 | 49249.035 | 32.318 | 33.489 | 24.319 | 1.024 |
| 10/5/2017 18:15 | 72900      | 14.035 | 16.396 | 31.615 | 40349.73  | 48285.102 | 31.616 | 32.834 | 24.783 | 1.023 |
| 10/5/2017 18:30 | 73800      | 13.481 | 16.433 | 30.367 | 39453.496 | 47172.227 | 30.807 | 32.077 | 25.346 | 1.022 |
| 10/5/2017 18:45 | 74700      | 13.212 | 16.448 | 29.761 | 38899.281 | 46493.957 | 30.316 | 31.616 | 25.707 | 1.022 |
| 10/5/2017 19:00 | 75600      | 12.892 | 16.453 | 29.04  | 38512.273 | 46026.125 | 29.977 | 31.298 | 25.966 | 1.022 |
| 10/5/2017 19:15 | 76500      | 12.717 | 16.447 | 28.646 | 38231.41  | 45696.98  | 29.738 | 31.074 | 26.157 | 1.022 |
| 10/5/2017 19:30 | 77400      | 12.601 | 16.437 | 28.384 | 38040.84  | 45479.164 | 29.58  | 30.926 | 26.288 | 1.021 |
| 10/5/2017 19:45 | 78300      | 12.523 | 16.431 | 28.21  | 37911.043 | 45330.559 | 29.472 | 30.825 | 26.378 | 1.021 |
| 10/5/2017 20:00 | 79200      | 12.387 | 16.424 | 27.903 | 37703.148 | 45089.141 | 29.297 | 30.661 | 26.523 | 1.021 |
| 10/5/2017 20:15 | 80100      | 12.247 | 16.418 | 27.587 | 37712.676 | 45106.074 | 29.309 | 30.672 | 26.516 | 1.021 |
| 10/5/2017 20:30 | 81000      | 12.215 | 16.417 | 27.515 | 37626.027 | 45003.711 | 29.235 | 30.603 | 26.577 | 1.021 |
| 10/5/2017 20:45 | 81900      | 12.147 | 16.419 | 27.362 | 37550.391 | 44911.613 | 29.169 | 30.54  | 26.631 | 1.021 |
| 10/5/2017 21:00 | 82800      | 12.117 | 16.417 | 27.295 | 37461.586 | 44807.297 | 29.093 | 30.469 | 26.694 | 1.021 |
| 10/5/2017 21:15 | 83700      | 12.059 | 16.418 | 27.165 | 37452.719 | 44795.609 | 29.085 | 30.461 | 26.7   | 1.021 |
| 10/5/2017 21:30 | 84600      | 11.91  | 16.415 | 26.828 | 37407.121 | 44743.676 | 29.047 | 30.426 | 26.733 | 1.021 |
| 10/5/2017 21:45 | 85500      | 11.871 | 16.416 | 26.74  | 37401.297 | 44736.086 | 29.042 | 30.421 | 26.737 | 1.021 |
| 10/5/2017 22:00 | 86400      | 11.878 | 16.415 | 26.757 | 37303.043 | 44619.727 | 28.958 | 30.341 | 26.807 | 1.021 |
| 10/5/2017 22:15 | 87300      | 11.807 | 16.417 | 26.596 | 37292.996 | 44605.117 | 28.948 | 30.331 | 26.815 | 1.021 |
| 10/5/2017 22:30 | 88200      | 11.805 | 16.417 | 26.592 | 37288.047 | 44599.902 | 28.944 | 30.328 | 26.818 | 1.021 |
| 10/5/2017 22:45 | 89100      | 11.712 | 16.414 | 26.382 | 37299.16  | 44616.16  | 28.955 | 30.339 | 26.81  | 1.021 |
| 10/5/2017 23:00 | 90000      | 11.686 | 16.415 | 26.325 | 37256.711 | 44563.598 | 28.918 | 30.303 | 26.841 | 1.021 |
| 10/5/2017 23:15 | 90900      | 11.659 | 16.413 | 26.262 | 37364.355 | 44694.418 | 29.012 | 30.392 | 26.763 | 1.021 |
| 10/5/2017 23:30 | 91800      | 11.619 | 16.413 | 26.172 | 37302.117 | 44620.324 | 28.958 | 30.342 | 26.808 | 1.021 |
| 10/5/2017 23:45 | 92700      | 11.575 | 16.413 | 26.074 | 37305.789 | 44624.547 | 28.961 | 30.345 | 26.805 | 1.021 |
| 10/6/2017 0:00  | 93600      | 11.634 | 16.412 | 26.208 | 37268.855 | 44581.344 | 28.93  | 30.315 | 26.832 | 1.021 |
| 10/6/2017 0:15  | 94500      | 11.539 | 16.412 | 25.993 | 37286.727 | 44602.723 | 28.946 | 30.33  | 26.819 | 1.021 |
| 10/6/2017 0:30  | 95400      | 11.458 | 16.412 | 25.81  | 37273.238 | 44586.418 | 28.934 | 30.319 | 26.829 | 1.021 |
| 10/6/2017 0:45  | 96300      | 11.466 | 16.412 | 25.829 | 37236.82  | 44543.66  | 28.903 | 30.29  | 26.855 | 1.021 |
| 10/6/2017 1:00  | 97200      | 11.395 | 16.412 | 25.667 | 37285.949 | 44602.43  | 28.945 | 30.33  | 26.82  | 1.021 |
| 10/6/2017 1:15  | 98100      | 11.437 | 16.411 | 25.764 | 37198.227 | 44498.57  | 28.87  | 30.259 | 26.883 | 1.021 |
| 10/6/2017 1:30  | 99000      | 11.362 | 16.408 | 25.594 | 37279.355 | 44597.863 | 28.942 | 30.327 | 26.824 | 1.021 |
| 10/6/2017 1:45  | 99900      | 11.253 | 16.409 | 25.349 | 35376.488 | 42321.262 | 27.307 | 28.778 | 28.267 | 1.02  |
| 10/6/2017 2:00  | 100800     | 11.261 | 16.414 | 25.365 | 35759.098 | 42774.078 | 27.631 | 29.086 | 27.965 | 1.02  |
| 10/6/2017 2:15  | 101700     | 11.227 | 16.412 | 25.291 | 35492.844 | 42457.035 | 27.404 | 28.871 | 28.175 | 1.02  |
| 10/6/2017 2:30  | 102600     | 11.108 | 16.412 | 25.021 | 35299.977 | 42226.414 | 27.239 | 28.714 | 28.329 | 1.02  |
| 10/6/2017 2:45  | 103500.001 | 11.085 | 16.41  | 24.971 | 34725.988 | 41541.723 | 26.75  | 28.248 | 28.797 | 1.019 |
| 10/6/2017 3:00  | 104400     | 11.112 | 16.411 | 25.03  | 34436.535 | 41194.633 | 26.503 | 28.012 | 29.039 | 1.019 |
| 10/6/2017 3:15  | 105300     | 11.093 | 16.409 | 24.987 | 33747.309 | 40371.523 | 25.917 | 27.453 | 29.632 | 1.019 |
| 10/6/2017 3:30  | 106200     | 11.052 | 16.412 | 24.895 | 37346.895 | 44674.793 | 28.998 | 30.379 | 26.776 | 1.021 |
| 10/6/2017 3:45  | 107100     | 10.983 | 16.411 | 24.74  | 37311.789 | 44633.777 | 28.968 | 30.351 | 26.801 | 1.021 |
| 10/6/2017 4:00  | 108000     | 11.073 | 16.41  | 24.942 | 37314.988 | 44639.145 | 28.972 | 30.355 | 26.799 | 1.021 |
| 10/6/2017 4:15  | 108900     | 10.909 | 16.408 | 24.574 | 37102.48  | 44386.707 | 28.79  | 30.183 | 26.952 | 1.021 |
| 10/6/2017 4:30  | 109800     | 10.899 | 16.409 | 24.552 | 36782.832 | 44003.512 | 28.514 | 29.922 | 27.187 | 1.021 |
| 10/6/2017 4:45  | 110700     | 10.896 | 16.407 | 24.544 | 36028.074 | 43102.238 | 27.866 | 29.31  | 27.756 | 1.02  |
| 10/6/2017 5:00  | 111600     | 10.83  | 16.408 | 24.396 | 35571.316 | 42554.508 | 27.474 | 28.937 | 28.113 | 1.02  |
| 10/6/2017 5:15  | 112500     | 10.832 | 16.407 | 24.4   | 34873.168 | 41720.238 | 26.878 | 28.37  | 28.675 | 1.019 |
| 10/6/2017 5:30  | 113400     | 10.795 | 16.406 | 24.318 | 33756.188 | 40385.07  | 25.927 | 27.462 | 29.624 | 1.019 |
| 10/6/2017 5:45  | 114300     | 10.861 | 16.407 | 24.465 | 33332.867 | 39877.98  | 25.567 | 27.117 | 30     | 1.018 |
| 10/6/2017 6:00  | 115200     | 10.805 | 16.408 | 24.34  | 37297.793 | 44620.816 | 28.958 | 30.342 | 26.811 | 1.021 |
| 10/6/2017 6:15  | 116100     | 10.818 | 16.407 | 24.368 | 37247.832 | 44561.766 | 28.916 | 30.302 | 26.847 | 1.021 |
| 10/6/2017 6:30  | 117000     | 10.787 | 16.407 | 24.298 | 37230.438 | 44541.129 | 28.901 | 30.288 | 26.86  | 1.021 |
| 10/6/2017 6:45  | 117900     | 10.816 | 16.408 | 24.363 | 36835.66  | 44067.773 | 28.56  | 29.966 | 27.148 | 1.021 |
| 10/6/2017 7:00  | 118800     | 10.828 | 16.407 | 24.391 | 36122.16  | 43215.145 | 27.947 | 29.386 | 27.684 | 1.02  |
| 10/6/2017 7:15  | 119700     | 10.719 | 16.408 | 24.145 | 35712.738 | 42724.219 | 27.595 | 29.052 | 28.001 | 1.02  |
| 10/6/2017 7:30  | 120600     | 10.698 | 16.407 | 24.099 | 34795.578 | 41627.648 | 26.812 | 28.307 | 28.739 | 1.019 |
| 10/6/2017 7:45  | 121500     | 10.675 | 16.407 | 24.046 | 34277.07  | 41007.102 | 26.369 | 27.885 | 29.174 | 1.019 |
| 10/6/2017 8:00  | 122400     | 10.797 | 16.409 | 24.322 | 33699.477 | 40314.793 | 25.877 | 27.414 | 29.674 | 1.019 |
| 10/6/2017 8:15  | 123300     | 10.749 | 16.409 | 24.212 | 37240.602 | 44550.508 | 28.908 | 30.294 | 26.852 | 1.021 |
| 10/6/2017 8:30  | 124200     |        |        |        |           |           |        |        |        |       |

|                 |            |        |        |        |           |           |        |        |        |       |
|-----------------|------------|--------|--------|--------|-----------|-----------|--------|--------|--------|-------|
| 10/7/2017 6:30  | 203400     | 10.231 | 16.417 | 23.047 | 37198.258 | 44492.066 | 28.866 | 30.255 | 26.883 | 1.021 |
| 10/7/2017 6:45  | 204300     | 10.159 | 16.419 | 22.884 | 36804.887 | 44019.352 | 28.526 | 29.933 | 27.17  | 1.021 |
| 10/7/2017 7:00  | 205200     | 10.148 | 16.417 | 22.859 | 35418     | 42362.566 | 27.337 | 28.807 | 28.234 | 1.02  |
| 10/7/2017 7:15  | 206100     | 10.158 | 16.417 | 22.881 | 33845.262 | 40481.453 | 25.996 | 27.527 | 29.546 | 1.019 |
| 10/7/2017 7:30  | 207000     | 10.067 | 16.416 | 22.677 | 37186.176 | 44479.047 | 28.857 | 30.246 | 26.892 | 1.021 |
| 10/7/2017 7:45  | 207900     | 10.095 | 16.414 | 22.739 | 36763.02  | 43974.414 | 28.493 | 29.903 | 27.201 | 1.021 |
| 10/7/2017 8:00  | 208800     | 10.219 | 16.416 | 23.02  | 35072.711 | 41950.414 | 27.042 | 28.526 | 28.512 | 1.02  |
| 10/7/2017 8:15  | 209700     | 10.225 | 16.417 | 23.034 | 37218.949 | 44516.637 | 28.084 | 30.271 | 26.868 | 1.021 |
| 10/7/2017 8:30  | 210600     | 10.183 | 16.417 | 22.939 | 37149.656 | 44434.02  | 28.824 | 30.215 | 26.918 | 1.021 |
| 10/7/2017 8:45  | 211500     | 10.284 | 16.418 | 23.165 | 36568.48  | 43738.273 | 28.324 | 29.742 | 27.346 | 1.021 |
| 10/7/2017 9:00  | 212400     | 10.27  | 16.417 | 23.134 | 35224.668 | 42131.246 | 27.172 | 28.649 | 28.389 | 1.02  |
| 10/7/2017 9:15  | 213300     | 10.28  | 16.416 | 23.157 | 34171.105 | 40872.422 | 26.274 | 27.793 | 29.264 | 1.019 |
| 10/7/2017 9:30  | 214200     | 10.278 | 16.418 | 23.151 | 37191.121 | 44482.637 | 28.859 | 30.248 | 26.888 | 1.021 |
| 10/7/2017 9:45  | 215100     | 10.272 | 16.417 | 23.139 | 36954.863 | 44201.117 | 28.657 | 30.057 | 27.06  | 1.021 |
| 10/7/2017 10:00 | 216000     | 10.303 | 16.418 | 23.209 | 35615.406 | 42597.563 | 27.505 | 28.966 | 28.078 | 1.02  |
| 10/7/2017 10:15 | 216900     | 10.349 | 16.418 | 23.313 | 34853.438 | 41686.719 | 26.854 | 28.347 | 28.692 | 1.019 |
| 10/7/2017 10:30 | 217800     | 10.379 | 16.417 | 23.38  | 34031.262 | 40704.488 | 26.154 | 27.679 | 29.385 | 1.019 |
| 10/7/2017 10:45 | 218700     | 10.406 | 16.416 | 23.441 | 37214.258 | 44512.016 | 28.88  | 30.268 | 26.871 | 1.021 |
| 10/7/2017 11:00 | 219600     | 10.338 | 16.415 | 23.287 | 37139.875 | 44424.199 | 28.817 | 30.208 | 26.925 | 1.021 |
| 10/7/2017 11:15 | 220500     | 10.333 | 16.414 | 23.276 | 36713.41  | 43915.074 | 28.451 | 29.862 | 27.238 | 1.021 |
| 10/7/2017 11:30 | 221400     | 10.436 | 16.413 | 23.509 | 35763.004 | 42779.512 | 27.635 | 29.09  | 27.962 | 1.02  |
| 10/7/2017 11:45 | 222300     | 10.434 | 16.413 | 23.504 | 35001.297 | 41868.359 | 26.984 | 28.47  | 28.57  | 1.02  |
| 10/7/2017 12:00 | 223200     | 10.439 | 16.415 | 23.514 | 33917.301 | 40570.066 | 26.059 | 27.588 | 29.483 | 1.019 |
| 10/7/2017 12:15 | 224100     | 10.354 | 16.414 | 23.323 | 37121.766 | 44403.242 | 28.802 | 30.194 | 26.938 | 1.021 |
| 10/7/2017 12:30 | 225000     | 10.468 | 16.415 | 23.579 | 37126.723 | 44408.656 | 28.806 | 30.198 | 26.935 | 1.021 |
| 10/7/2017 12:45 | 225900     | 10.347 | 16.413 | 23.307 | 36999.563 | 44258.414 | 28.698 | 30.096 | 27.027 | 1.021 |
| 10/7/2017 13:00 | 226800     | 10.403 | 16.413 | 23.434 | 36196.84  | 43298.039 | 28.007 | 29.443 | 27.627 | 1.02  |
| 10/7/2017 13:15 | 227700     | 10.374 | 16.412 | 23.368 | 35539.789 | 42513.449 | 27.445 | 28.909 | 28.137 | 1.02  |
| 10/7/2017 13:30 | 228600     | 10.365 | 16.413 | 23.348 | 34999.922 | 41866.715 | 26.982 | 28.469 | 28.571 | 1.02  |
| 10/7/2017 13:45 | 229500     | 10.403 | 16.413 | 23.434 | 33827.492 | 40463.789 | 25.983 | 27.515 | 29.562 | 1.019 |
| 10/7/2017 14:00 | 230400     | 10.365 | 16.414 | 23.348 | 37178.977 | 44471.777 | 28.851 | 30.241 | 26.897 | 1.021 |
| 10/7/2017 14:15 | 231300     | 10.369 | 16.416 | 23.358 | 37068.02  | 44337.805 | 28.755 | 30.15  | 26.977 | 1.021 |
| 10/7/2017 14:30 | 232200     | 10.366 | 16.415 | 23.351 | 35935.426 | 42983.863 | 27.782 | 29.229 | 27.828 | 1.02  |
| 10/7/2017 14:45 | 233100     | 10.314 | 16.414 | 23.233 | 35419.496 | 42367.508 | 27.34  | 28.81  | 28.233 | 1.02  |
| 10/7/2017 15:00 | 234000     | 10.31  | 16.415 | 23.225 | 34054.34  | 40733.57  | 26.175 | 27.699 | 29.365 | 1.019 |
| 10/7/2017 15:15 | 234900     | 10.233 | 16.416 | 23.05  | 37167.859 | 44456.691 | 28.841 | 30.231 | 26.905 | 1.021 |
| 10/7/2017 15:30 | 235800     | 10.291 | 16.413 | 23.182 | 37084.234 | 44359.254 | 28.77  | 30.164 | 26.966 | 1.021 |
| 10/7/2017 15:45 | 236700     | 10.264 | 16.415 | 23.122 | 36515.539 | 43677.68  | 28.28  | 29.701 | 27.386 | 1.02  |
| 10/7/2017 16:00 | 237600     | 10.212 | 16.415 | 23.004 | 35463.727 | 42419.566 | 27.378 | 28.845 | 28.198 | 1.02  |
| 10/7/2017 16:15 | 238500     | 10.201 | 16.415 | 22.979 | 34170.406 | 40872.742 | 26.274 | 27.793 | 29.265 | 1.019 |
| 10/7/2017 16:30 | 239400     | 10.149 | 16.415 | 22.861 | 37178.16  | 44469.641 | 28.85  | 30.239 | 26.898 | 1.021 |
| 10/7/2017 16:45 | 240300     | 10.123 | 16.417 | 22.802 | 37117.617 | 44395.883 | 28.797 | 30.189 | 26.941 | 1.021 |
| 10/7/2017 17:00 | 241200     | 10.145 | 16.416 | 22.852 | 36113.629 | 43196.07  | 27.934 | 29.373 | 27.69  | 1.02  |
| 10/7/2017 17:15 | 242100     | 10.126 | 16.413 | 22.81  | 34588.012 | 41374.172 | 26.631 | 28.134 | 28.912 | 1.019 |
| 10/7/2017 17:30 | 243000     | 10.119 | 16.416 | 22.794 | 37179.078 | 44470.289 | 28.85  | 30.24  | 26.897 | 1.021 |
| 10/7/2017 17:45 | 243900     | 10.036 | 16.417 | 22.608 | 36980.332 | 44231.676 | 28.679 | 30.078 | 27.041 | 1.021 |
| 10/7/2017 18:00 | 244800     | 10.125 | 16.418 | 22.807 | 35523.16  | 42487.926 | 27.427 | 28.892 | 28.151 | 1.02  |
| 10/7/2017 18:15 | 245700     | 9.992  | 16.416 | 22.508 | 34413.414 | 41161.832 | 26.48  | 27.99  | 29.058 | 1.019 |
| 10/7/2017 18:30 | 246600     | 10.053 | 16.417 | 22.645 | 37135.121 | 44416.457 | 28.812 | 30.203 | 26.929 | 1.021 |
| 10/7/2017 18:45 | 247500     | 10.025 | 16.417 | 22.582 | 36690.863 | 43885.004 | 28.429 | 29.842 | 27.255 | 1.021 |
| 10/7/2017 19:00 | 248400     | 10.036 | 16.417 | 22.607 | 34775.266 | 41594.387 | 26.788 | 28.284 | 28.756 | 1.019 |
| 10/7/2017 19:15 | 249300     | 9.971  | 16.417 | 22.46  | 37175.988 | 44465.164 | 28.847 | 30.236 | 26.899 | 1.021 |
| 10/7/2017 19:30 | 250200     | 10.004 | 16.417 | 22.534 | 36834.801 | 44057.25  | 28.553 | 29.959 | 27.148 | 1.021 |
| 10/7/2017 19:45 | 251100     | 9.951  | 16.417 | 22.416 | 35214.781 | 42120.008 | 27.164 | 28.642 | 28.397 | 1.02  |
| 10/7/2017 20:00 | 252000     | 10.05  | 16.416 | 22.64  | 37193.367 | 44487.563 | 28.863 | 30.252 | 26.887 | 1.021 |
| 10/7/2017 20:15 | 252900     | 9.994  | 16.416 | 22.513 | 37071.891 | 44342.172 | 28.758 | 30.153 | 26.975 | 1.021 |
| 10/7/2017 20:30 | 253800     | 10.024 | 16.416 | 22.581 | 35972.934 | 43027.172 | 27.813 | 29.258 | 27.799 | 1.02  |
| 10/7/2017 20:45 | 254700     | 10.091 | 16.417 | 22.731 | 34720.129 | 41528.359 | 26.741 | 28.239 | 28.802 | 1.019 |
| 10/7/2017 21:00 | 255600.001 | 10.015 | 16.419 | 22.559 | 37103.324 | 44376.016 | 28.783 | 30.176 | 26.952 | 1.021 |
| 10/7/2017 21:15 | 256500     | 10.106 | 16.416 | 22.765 | 36715.535 | 43916.105 | 28.451 | 29.863 | 27.236 | 1.021 |
| 10/7/2017 21:30 | 257400     | 10.067 | 16.417 | 22.677 | 35063.273 | 41938.871 | 27.034 | 28.518 | 28.52  | 1.02  |
| 10/7/2017 21:45 | 258300     | 10.059 | 16.417 | 22.659 | 37179.797 | 44470.426 | 28.85  | 30.24  | 26.896 | 1.021 |
| 10/7/2017 22:00 | 259200     | 10.07  | 16.418 | 22.683 | 37114.203 | 44390.461 | 28.793 | 30.186 | 26.944 | 1.021 |
| 10/7/2017 22:15 | 260100     | 10.162 | 16.416 | 22.891 | 36004.957 | 43065.645 | 27.841 | 29.285 | 27.774 | 1.02  |
| 10/7/2017 22:30 | 261000     | 10.116 | 16.416 | 22.787 | 34621.531 | 41410.672 | 26.657 | 28.159 | 28.884 | 1.019 |
| 10/7/2017 22:45 | 261900     | 10.185 | 16.419 | 22.942 | 37218.395 | 44513.914 | 28.882 | 30.269 | 26.868 | 1.021 |
| 10/7/2017 23:00 | 262800     | 10.124 | 16.418 | 22.805 | 37070.82  | 44338.473 | 28.756 | 30.15  | 26.975 | 1.021 |
| 10/7/2017 23:15 | 263700     | 10.211 | 16.419 | 23.001 | 35799.859 | 42817.664 | 27.663 | 29.116 | 27.933 | 1.02  |
| 10/7/2017 23:30 | 264600     | 10.166 | 16.415 | 22.899 | 35358.543 | 42293.828 | 27.288 | 28.76  | 28.282 | 1.02  |
| 10/7/2017 23:45 | 265500     | 10.189 | 16.417 | 22.951 | 37164.977 | 44452.527 | 28.838 | 30.228 | 26.907 | 1.021 |
| 10/8/2017 0:00  | 266400     | 10.236 | 16.416 | 23.058 | 37153.82  | 44439.531 | 28.828 | 30.219 | 26.915 | 1.021 |
| 10/8/2017 0:15  | 267300     | 10.185 | 16.415 | 22.942 | 36548.109 | 43716.102 | 28.308 | 29.727 | 27.361 | 1.021 |
| 10/8/2017 0:30  | 268200     | 10.183 | 16.415 | 22.939 | 35356.617 | 42290.852 | 27.286 | 28.758 | 28.283 | 1.02  |
| 10/8/2017 0:45  | 269100     | 10.241 | 16.414 | 23.069 | 34541.949 | 41317.738 | 26.591 | 28.096 | 28.95  | 1.019 |
| 10/8/2017 1:00  | 270000     | 10.257 | 16.415 | 23.104 | 34012.5   | 40683.277 | 26.139 | 27.665 | 29.401 | 1.019 |
| 10/8/2017 1:15  | 270900     | 10.276 | 16.414 | 23.148 | 37172.168 | 44463.727 | 28.846 | 30.235 | 26.902 | 1.021 |
| 10/8/2017 1:30  | 271800     | 10.221 | 16.416 | 23.025 | 36996.773 | 44252.324 | 28.693 | 30.092 | 27.029 | 1.021 |
| 10/8/2017 1:45  | 272700     | 10.23  | 16.415 | 23.044 | 36063.176 | 43136.145 | 27.891 | 29.333 | 27.729 | 1.02  |
| 10/8/2017 2:00  | 273600     | 10.212 | 16.415 | 23.003 | 35209.199 | 42114.859 | 27.16  | 28.638 | 28.402 | 1.02  |
| 10/8/2017 2:15  | 274500     | 10.277 | 16.413 | 23.151 | 33336.797 | 39876.742 | 25.566 | 27.116 | 29.997 | 1.018 |
| 10/8/2017 2:30  | 275400     | 10.278 | 16.417 | 23.151 | 37195.613 | 44488.809 | 28.864 | 30.252 | 26.885 | 1.021 |
| 10/8/2017 2:45  | 276300     | 10.16  | 16.416 | 22.887 | 37173.805 | 44464.07  | 28.846 | 30.236 | 26.901 | 1.021 |
| 10/8/2017 3:00  | 277200     | 10.237 | 16.415 | 23.059 | 36486.309 | 43642.266 | 28.254 | 29.677 | 27.408 | 1.02  |
| 10/8/2017 3:15  | 278100     | 10.204 | 16.415 | 22.987 | 35025.715 | 41895.129 | 27.003 | 28.489 | 28.55  | 1.02  |
| 10/8/2017 3:30  | 279000     | 10.205 | 16.415 | 22.988 | 34576.191 | 41357.367 | 26.619 | 28.123 | 28.922 | 1.019 |
| 10/8/2017 3:45  | 279900     | 10.186 | 16.416 | 22.946 | 37196.398 | 44490.656 | 28.865 | 30.254 | 26.884 | 1.021 |
| 10/8/2017 4:00  | 280800     | 10.175 | 16.416 | 22.919 | 37082.676 | 44354.98  | 28.767 | 30.161 | 26.967 | 1.021 |
| 10/8/2017 4:15  | 281700     | 10.14  | 16.415 | 22.841 | 36286.059 | 43402.84  | 28.083 | 29.514 | 27.559 | 1.02  |
| 10/8/2017 4:30  | 282600     | 10.171 | 16.415 | 22.911 | 35312.348 | 42238.672 | 27.248 | 28.722 | 28.319 | 1.02  |
| 10/8/2017 4:45  | 283500     | 10.159 | 16.414 | 22.885 | 34367.211 | 41108.379 | 26.442 | 27.95  |        |       |

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|-----------------|-----------|--------|--------|--------|-----------|-----------|--------|--------|----------|-------|
| 10/9/2017 3:00  | 363600    | 10.25  | 16.411 | 23.089 | 37272.785 | 44586.855 | 28.934 | 30.319 | 26.829   | 1.021 |
| 10/9/2017 3:15  | 364500    | 10.281 | 16.413 | 23.159 | 42863.164 | 27.695    |        | 29.147 | 27.907   | 1.02  |
| 10/9/2017 3:30  | 365400    | 10.242 | 16.411 | 23.07  | 34294.145 | 41023.801 | 26.381 | 27.896 | 29.159   | 1.019 |
| 10/9/2017 3:45  | 366300    | 10.229 | 16.412 | 23.042 | 37299.246 | 44618.254 | 28.957 | 30.34  | 26.81    | 1.021 |
| 10/9/2017 4:00  | 367200    | 10.201 | 16.41  | 22.979 | 36722.516 | 43929.844 | 28.461 | 29.872 | 27.231   | 1.021 |
| 10/9/2017 4:15  | 368100    | 10.266 | 16.41  | 23.126 | 35125.023 | 42018.82  | 27.091 | 28.573 | 28.47    | 1.02  |
| 10/9/2017 4:30  | 369000    | 10.207 | 16.409 | 22.992 | 33769.648 | 40398.176 | 25.936 | 27.471 | 29.612   | 1.019 |
| 10/9/2017 4:45  | 369900    | 10.24  | 16.411 | 23.067 | 37347.125 | 44676.148 | 28.998 | 30.38  | 26.776   | 1.021 |
| 10/9/2017 5:00  | 370800    | 10.214 | 16.411 | 23.009 | 36663.629 | 43858.348 | 28.41  | 29.824 | 27.275   | 1.021 |
| 10/9/2017 5:15  | 371700.01 | 10.157 | 16.41  | 22.881 | 35017.711 | 41890.371 | 26.999 | 28.485 | 28.557   | 1.02  |
| 10/9/2017 5:30  | 372600    | 10.217 | 16.411 | 23.016 | 37359.73  | 44690.957 | 29.009 | 30.39  | 26.767   | 1.021 |
| 10/9/2017 5:45  | 373500    | 10.182 | 16.411 | 22.936 | 37310.594 | 44632.621 | 28.967 | 30.35  | 26.802   | 1.021 |
| 10/9/2017 6:00  | 374400    | 10.116 | 16.41  | 22.787 | 36190.172 | 43293.113 | 28.003 | 29.439 | 27.632   | 1.02  |
| 10/9/2017 6:15  | 375300    | 10.16  | 16.41  | 22.887 | 34849.199 | 41688.695 | 26.855 | 28.348 | 28.695   | 1.019 |
| 10/9/2017 6:30  | 376200    | 10.194 | 16.412 | 22.962 | 37387.207 | 44723.016 | 29.032 | 30.412 | 26.747   | 1.021 |
| 10/9/2017 6:45  | 377100    | 10.164 | 16.414 | 22.895 | 37129.727 | 44413.402 | 28.809 | 30.201 | 26.933   | 1.021 |
| 10/9/2017 7:00  | 378000    | 10.136 | 16.41  | 22.831 | 35627.887 | 42620.977 | 27.522 | 28.982 | 28.068   | 1.02  |
| 10/9/2017 7:15  | 378900    | 10.139 | 16.41  | 22.839 | 33784.941 | 40415.816 | 25.949 | 27.483 | 29.599   | 1.019 |
| 10/9/2017 7:30  | 379800    | 10.144 | 16.411 | 22.85  | 37276.707 | 44591.91  | 28.938 | 30.323 | 26.826   | 1.021 |
| 10/9/2017 7:45  | 380700    | 10.12  | 16.409 | 22.797 | 36231.359 | 43343.691 | 28.04  | 29.474 | 27.6     | 1.02  |
| 10/9/2017 8:00  | 381600    | 10.083 | 16.41  | 22.713 | 34033.828 | 40713.875 | 26.161 | 27.685 | 29.383   | 1.019 |
| 10/9/2017 8:15  | 382500    | 10.113 | 16.41  | 22.782 | 37342.27  | 44671.594 | 28.995 | 30.377 | 26.779   | 1.021 |
| 10/9/2017 8:30  | 383400    | 10.107 | 16.41  | 22.766 | 36719.992 | 43927.539 | 28.459 | 29.871 | 27.233   | 1.021 |
| 10/9/2017 8:45  | 384300    | 10.157 | 16.409 | 22.88  | 34976.223 | 41841.84  | 26.964 | 28.452 | 28.591   | 1.019 |
| 10/9/2017 9:00  | 385200    | 10.177 | 16.41  | 22.925 | 37393.832 | 44732.645 | 29.039 | 30.418 | 26.742   | 1.021 |
| 10/9/2017 9:15  | 386100    | 10.136 | 16.409 | 22.832 | 37166.07  | 44462.066 | 28.844 | 30.234 | 26.906   | 1.021 |
| 10/9/2017 9:30  | 387000    | 10.17  | 16.408 | 22.909 | 35668.457 | 42670.883 | 27.557 | 29.016 | 28.036   | 1.02  |
| 10/9/2017 9:45  | 387900    | 10.193 | 16.408 | 22.961 | 34425.922 | 41184.668 | 26.496 | 28.006 | 29.048   | 1.019 |
| 10/9/2017 10:00 | 388800    | 10.242 | 16.408 | 23.072 | 37380.93  | 44719.645 | 29.03  | 30.409 | 26.752   | 1.021 |
| 10/9/2017 10:15 | 389700    | 10.251 | 16.409 | 23.09  | 37227.445 | 44535.492 | 28.897 | 30.284 | 26.862   | 1.021 |
| 10/9/2017 10:30 | 390600    | 10.304 | 16.408 | 23.211 | 35602.785 | 42592.238 | 27.501 | 28.963 | 28.088   | 1.02  |
| 10/9/2017 10:45 | 391500    | 10.294 | 16.407 | 23.189 | 33903.125 | 40559.805 | 26.051 | 27.581 | 29.496   | 1.019 |
| 10/9/2017 11:00 | 392400    | 10.298 | 16.408 | 23.197 | 37391.098 | 44731.629 | 29.038 | 30.418 | 26.744   | 1.021 |
| 10/9/2017 11:15 | 393300    | 10.31  | 16.407 | 23.224 | 37209.332 | 44515.879 | 28.883 | 30.271 | 26.875   | 1.021 |
| 10/9/2017 11:30 | 394200    | 10.281 | 16.407 | 23.158 | 35826.43  | 42861.172 | 27.694 | 29.146 | 27.912   | 1.02  |
| 10/9/2017 11:45 | 395100    | 10.292 | 16.406 | 23.183 | 35809.609 | 42841.66  | 27.768 | 29.132 | 27.925   | 1.02  |
| 10/9/2017 12:00 | 396000    | 10.325 | 16.408 | 23.259 | 35375.082 | 42320.434 | 27.306 | 28.778 | 28.268   | 1.02  |
| 10/9/2017 12:15 | 396900    | 10.335 | 16.408 | 23.282 | 34998.477 | 41869.797 | 26.984 | 28.471 | 28.573   | 1.02  |
| 10/9/2017 12:30 | 397800    | 10.328 | 16.405 | 23.265 | 35238.137 | 42158.809 | 27.191 | 28.668 | 28.378   | 1.02  |
| 10/9/2017 12:45 | 398700    | 10.317 | 16.405 | 23.239 | 35087.09  | 41978.523 | 27.062 | 28.545 | 28.501   | 1.02  |
| 10/9/2017 13:00 | 399600    | 10.337 | 16.405 | 23.286 | 34367.133 | 41116.82  | 26.447 | 27.959 | 29.098   | 1.019 |
| 10/9/2017 13:15 | 400500    | 10.431 | 16.406 | 23.496 | 34408.059 | 41165.379 | 26.482 | 27.992 | 29.063   | 1.019 |
| 10/9/2017 13:30 | 401400    | 10.418 | 16.406 | 23.467 | 34569.324 | 41357.973 | 26.619 | 28.123 | 28.927   | 1.019 |
| 10/9/2017 13:45 | 402300    | 10.392 | 16.406 | 23.409 | 34955.156 | 41820.078 | 26.949 | 28.438 | 28.608   | 1.019 |
| 10/9/2017 14:00 | 403200    | 10.378 | 16.405 | 23.378 | 34037.426 | 40722.695 | 26.167 | 27.691 | 29.379   | 1.019 |
| 10/9/2017 14:15 | 404100    | 10.47  | 16.403 | 23.585 | 34156.652 | 40867.32  | 26.269 | 27.79  | 29.277   | 1.019 |
| 10/9/2017 14:30 | 405000    | 10.349 | 16.405 | 23.312 | 37385.535 | 44728.754 | 29.036 | 30.416 | 26.748   | 1.021 |
| 10/9/2017 14:45 | 405900    | 10.365 | 16.406 | 23.349 | 37359.156 | 44696.207 | 29.013 | 30.393 | 26.767   | 1.021 |
| 10/9/2017 15:00 | 406800    | 10.312 | 16.405 | 23.228 | 37387.43  | 44730.398 | 29.037 | 30.417 | 26.747   | 1.021 |
| 10/9/2017 15:15 | 407700    | 10.378 | 16.404 | 23.378 | 37232.172 | 44545.727 | 28.904 | 30.291 | 26.858   | 1.021 |
| 10/9/2017 15:30 | 408600    | 10.335 | 16.403 | 23.281 | 37151.957 | 44450.734 | 28.836 | 30.227 | 26.916   | 1.021 |
| 10/9/2017 15:45 | 409500    | 10.313 | 16.404 | 23.23  | 36965.633 | 44226.914 | 28.674 | 30.074 | 27.052   | 1.021 |
| 10/9/2017 16:00 | 410400    | 10.355 | 16.404 | 23.325 | 36851.293 | 44090.387 | 28.576 | 29.981 | 27.136   | 1.021 |
| 10/9/2017 16:15 | 411300    | 10.335 | 16.404 | 23.281 | 36522.047 | 43696.277 | 28.293 | 29.713 | 27.381   | 1.021 |
| 10/9/2017 16:30 | 412200    | 10.251 | 16.405 | 23.092 | 36092.496 | 43181.828 | 27.923 | 29.364 | 27.707   | 1.02  |
| 10/9/2017 16:45 | 413100    | 10.271 | 16.403 | 23.138 | 35676.492 | 42685.758 | 27.568 | 29.026 | 28.03    | 1.02  |
| 10/9/2017 17:00 | 414000    | 10.2   | 16.405 | 22.977 | 35732.07  | 42750.258 | 27.614 | 29.07  | 27.986   | 1.02  |
| 10/9/2017 17:15 | 414900    | 10.235 | 16.404 | 23.055 | 34915.617 | 41774.129 | 26.916 | 28.406 | 28.64    | 1.019 |
| 10/9/2017 17:30 | 415800    | 10.225 | 16.401 | 23.033 | 34932.793 | 41797.273 | 26.932 | 28.422 | 28.626   | 1.019 |
| 10/9/2017 17:45 | 416700    | 10.216 | 16.405 | 23.012 | 33730.34  | 40355.293 | 25.906 | 27.442 | 29.647   | 1.019 |
| 10/9/2017 18:00 | 417600    | 10.206 | 16.404 | 22.989 | 37425.559 | 44777.734 | 29.071 | 30.449 | 26.72    | 1.021 |
| 10/9/2017 18:15 | 418500    | 10.206 | 16.404 | 22.99  | 37196.891 | 44503.25  | 28.873 | 30.262 | 26.884   | 1.021 |
| 10/9/2017 18:30 | 419400    | 10.271 | 16.404 | 23.137 | 36620.008 | 43813.398 | 28.377 | 29.793 | 27.307   | 1.021 |
| 10/9/2017 18:45 | 420300    | 10.232 | 16.404 | 23.048 | 35702.832 | 42716.402 | 27.59  | 29.047 | 28.009   | 1.02  |
| 10/9/2017 19:00 | 421200    | 10.191 | 16.404 | 22.957 | 34850.395 | 41696.254 | 26.86  | 28.353 | 28.694   | 1.019 |
| 10/9/2017 19:15 | 422100    | 10.179 | 16.401 | 22.929 | 37444.816 | 44803.836 | 29.09  | 30.467 | 26.706   | 1.021 |
| 10/9/2017 19:30 | 423000    | 10.198 | 16.403 | 22.972 | 37350.129 | 44688.211 | 29.007 | 30.388 | 26.774   | 1.021 |
| 10/9/2017 19:45 | 423900    | 10.211 | 16.402 | 23.002 | 37124.348 | 44418.586 | 28.812 | 30.205 | 26.937   | 1.021 |
| 10/9/2017 20:00 | 424800    | 10.185 | 16.404 | 22.942 | 36286.617 | 43414.434 | 28.809 | 29.522 | 27.558   | 1.02  |
| 10/9/2017 20:15 | 425700    | 10.126 | 16.404 | 22.81  | 35217.289 | 42135.656 | 27.174 | 28.652 | 28.395   | 1.02  |
| 10/9/2017 20:30 | 426600    | 10.101 | 16.403 | 22.753 | 34703.008 | 41520.836 | 26.735 | 28.234 | 28.816   | 1.019 |
| 10/9/2017 20:45 | 427500    | 10.116 | 16.403 | 22.788 | 37402.371 | 44750.977 | 29.052 | 30.431 | 26.736   | 1.021 |
| 10/9/2017 21:00 | 428400    | 10.1   | 16.403 | 22.752 | 37125.305 | 44418.574 | 28.812 | 30.205 | 26.936   | 1.021 |
| 10/9/2017 21:15 | 429300    | 10.185 | 16.403 | 22.943 | 36879.648 | 44124.75  | 28.601 | 30.005 | 27.115   | 1.021 |
| 10/9/2017 21:30 | 430200    | 10.145 | 16.403 | 22.853 | 35680.98  | 42690.598 | 27.571 | 29.03  | 28.026   | 1.02  |
| 10/9/2017 21:45 | 431100    | 10.078 | 16.405 | 22.701 | 34363.141 | 41112.289 | 26.444 | 27.956 | 29.101   | 1.019 |
| 10/9/2017 22:00 | 432000    | 10.142 | 16.404 | 22.845 | 37467.84  | 44828.047 | 29.108 | 30.483 | 26.69    | 1.021 |
| 10/9/2017 22:15 | 432900    | 10.11  | 16.402 | 22.773 | 37326.242 | 44660.602 | 28.987 | 30.369 | 26.791   | 1.021 |
| 10/9/2017 22:30 | 433800    | 10.098 | 16.403 | 22.748 | 36473.883 | 43639.535 | 28.252 | 29.675 | 27.417   | 1.02  |
| 10/9/2017 22:45 | 434700    | 10.1   | 16.403 | 22.752 | 35307.176 | 42243.789 | 27.251 | 28.726 | 28.323   | 1.02  |
| 10/9/2017 23:00 | 435600    | 10.045 | 16.403 | 22.627 | 34521.313 | 41303.113 | 26.58  | 28.086 | 28.968   | 1.019 |
| 10/9/2017 23:15 | 436500    | 10.097 | 16.404 | 22.744 | 37491.605 | 44856.48  | 29.128 | 30.502 | 26.673   | 1.021 |
| 10/9/2017 23:30 | 437400    | 10.068 | 16.404 | 22.68  | 37349.422 | 44685.914 | 29.005 | 30.386 | 26.774   | 1.021 |
| 10/9/2017 23:45 | 438300    | 10.072 | 16.403 | 22.688 | 36584.145 | 43771.988 | 28.347 | 29.765 | 27.334   | 1.021 |
| 10/10/2017 0:00 | 439200    | 10.065 | 16.402 | 22.673 | 35572.305 | 42561.859 | 27.479 | 28.942 | 28.112   | 1.02  |
| 10/10/2017 0:15 | 440100    | 10.181 | 16.404 | 22.934 | 34762.832 | 41591.57  | 26.786 | 28.282 | 28.766   | 1.019 |
| 10/10/2017 0:30 | 441000    | 10.119 | 16.402 | 22.793 | 37486.398 | 44851.605 | 29.125 | 30.499 | 26.676   | 1.021 |
| 10/10/2017 0:45 | 441900    | 10.133 | 16.403 | 22.825 | 37369.844 | 44711.328 | 29.023 | 30.404 | 26.76    | 1.021 |
| 10/10/2017 1:00 | 442800    | 10.168 | 16.402 | 22.906 | 36773.383 | 43999.035 | 28.51  | 29.919 | 27.194   | 1.021 |
| 10/10/2017 1:15 | 443700    | 10.174 | 16.404 | 22.917 | 36038.727 | 43118.098 | 27.878 | 29.32  | 27.748</ |       |

|                  |            |        |        |        |           |           |        |        |        |       |
|------------------|------------|--------|--------|--------|-----------|-----------|--------|--------|--------|-------|
| 10/10/2017 23:30 | 523800     | 9.946  | 16.394 | 22.405 | 34868.297 | 41727.336 | 26.882 | 28.375 | 28.679 | 1.019 |
| 10/10/2017 23:45 | 524700     | 10.042 | 16.393 | 22.621 | 35965.512 | 43040.82  | 27.822 | 29.268 | 27.804 | 1.02  |
| 10/11/2017 0:00  | 525600     | 10.045 | 16.393 | 22.628 | 34876.105 | 41737.691 | 26.889 | 28.382 | 28.673 | 1.019 |
| 10/11/2017 0:15  | 526500     | 10.067 | 16.393 | 22.677 | 35730.406 | 42759.988 | 27.62  | 29.077 | 27.987 | 1.02  |
| 10/11/2017 0:30  | 527400     | 10.038 | 16.393 | 22.612 | 34896.359 | 41761.688 | 26.906 | 28.398 | 28.656 | 1.019 |
| 10/11/2017 0:45  | 528300     | 10.091 | 16.393 | 22.731 | 36021.457 | 43108.383 | 27.87  | 29.314 | 27.761 | 1.02  |
| 10/11/2017 1:00  | 529200     | 10.045 | 16.393 | 22.628 | 34583.488 | 41387.668 | 26.64  | 28.144 | 28.916 | 1.019 |
| 10/11/2017 1:15  | 530100     | 10.042 | 16.392 | 22.62  | 34825.191 | 41677.602 | 26.846 | 28.341 | 28.715 | 1.019 |
| 10/11/2017 1:30  | 531000     | 10.045 | 16.393 | 22.627 | 35001.727 | 41887.609 | 26.996 | 28.484 | 28.57  | 1.02  |
| 10/11/2017 1:45  | 531900     | 10.16  | 16.393 | 22.887 | 36232.797 | 43360.953 | 28.051 | 29.485 | 27.599 | 1.02  |
| 10/11/2017 2:00  | 532800     | 10.057 | 16.393 | 22.654 | 34988.973 | 41872.523 | 26.986 | 28.473 | 28.58  | 1.02  |
| 10/11/2017 2:15  | 533700     | 10.061 | 16.393 | 22.664 | 36012.82  | 43097.617 | 27.862 | 29.306 | 27.768 | 1.02  |
| 10/11/2017 2:30  | 534600     | 10.129 | 16.393 | 22.816 | 35309.621 | 42256.254 | 27.26  | 28.734 | 28.321 | 1.02  |
| 10/11/2017 2:45  | 535500     | 10.064 | 16.393 | 22.67  | 36863.875 | 44116.715 | 28.594 | 29.999 | 27.127 | 1.021 |
| 10/11/2017 3:00  | 536400     | 10.105 | 16.394 | 22.762 | 35602.594 | 42606.34  | 27.51  | 28.972 | 28.088 | 1.02  |
| 10/11/2017 3:15  | 537300     | 10.11  | 16.393 | 22.774 | 35011.609 | 41900.023 | 27.005 | 28.492 | 28.562 | 1.02  |
| 10/11/2017 3:30  | 538200     | 10.136 | 16.393 | 22.833 | 37002.652 | 44282.363 | 28.714 | 30.112 | 27.025 | 1.021 |
| 10/11/2017 3:45  | 539100     | 10.167 | 16.393 | 22.902 | 35963.969 | 43039.754 | 27.821 | 29.267 | 27.806 | 1.02  |
| 10/11/2017 4:00  | 540000     | 10.097 | 16.394 | 22.745 | 35155.148 | 42070.453 | 27.127 | 28.608 | 28.445 | 1.02  |
| 10/11/2017 4:15  | 540900     | 10.116 | 16.394 | 22.788 | 34692.27  | 41516.848 | 26.732 | 28.231 | 28.825 | 1.019 |
| 10/11/2017 4:30  | 541800     | 10.11  | 16.394 | 22.773 | 33897.461 | 40564.957 | 26.054 | 27.584 | 29.501 | 1.019 |
| 10/11/2017 4:45  | 542700     | 10.098 | 16.4   | 22.746 | 37412.352 | 44765.625 | 29.062 | 30.441 | 26.729 | 1.021 |
| 10/11/2017 5:00  | 543600     | 10.136 | 16.398 | 22.833 | 37381.027 | 44729.941 | 29.037 | 30.416 | 26.752 | 1.021 |
| 10/11/2017 5:15  | 544500     | 10.101 | 16.396 | 22.753 | 37333.914 | 44675.633 | 28.997 | 30.379 | 26.785 | 1.021 |
| 10/11/2017 5:30  | 545400     | 10.093 | 16.394 | 22.736 | 37061.648 | 44351.527 | 28.764 | 30.159 | 26.982 | 1.021 |
| 10/11/2017 5:45  | 546300     | 10.149 | 16.395 | 22.861 | 36792.121 | 44028.012 | 28.531 | 29.939 | 27.18  | 1.021 |
| 10/11/2017 6:00  | 547200     | 10.118 | 16.394 | 22.792 | 35612.023 | 42617.02  | 27.518 | 28.98  | 28.08  | 1.02  |
| 10/11/2017 6:15  | 548100     | 10.138 | 16.393 | 22.838 | 34755.191 | 41592.75  | 26.786 | 28.283 | 28.773 | 1.019 |
| 10/11/2017 6:30  | 549000     | 10.139 | 16.394 | 22.839 | 34563.266 | 41362.219 | 26.622 | 28.126 | 28.932 | 1.019 |
| 10/11/2017 6:45  | 549900     | 10.055 | 16.394 | 22.649 | 37307.082 | 44645.504 | 28.975 | 30.359 | 26.805 | 1.021 |
| 10/11/2017 7:00  | 550800     | 10.093 | 16.394 | 22.736 | 37175.602 | 44488.609 | 28.862 | 30.252 | 26.899 | 1.021 |
| 10/11/2017 7:15  | 551700     | 10.037 | 16.393 | 22.61  | 36657.301 | 43869.324 | 28.416 | 29.831 | 27.28  | 1.021 |
| 10/11/2017 7:30  | 552600     | 10.042 | 16.392 | 22.621 | 35999.5   | 43082.543 | 27.851 | 29.296 | 27.778 | 1.02  |
| 10/11/2017 7:45  | 553500     | 10.059 | 16.392 | 22.66  | 35189.02  | 42113.102 | 27.157 | 28.637 | 28.418 | 1.02  |
| 10/11/2017 8:00  | 554400     | 10.072 | 16.394 | 22.688 | 34428.445 | 41201.043 | 26.507 | 28.017 | 29.046 | 1.019 |
| 10/11/2017 8:15  | 555300.002 | 10.035 | 16.392 | 22.606 | 34027.313 | 40722.895 | 26.166 | 27.692 | 29.388 | 1.019 |
| 10/11/2017 8:30  | 556200     | 10.042 | 16.393 | 22.62  | 37445.961 | 44812.965 | 29.096 | 30.473 | 26.705 | 1.021 |
| 10/11/2017 8:45  | 557100     | 10.015 | 16.393 | 22.559 | 37326.41  | 44669.543 | 28.993 | 30.375 | 26.791 | 1.021 |
| 10/11/2017 9:00  | 558000     | 10.01  | 16.392 | 22.548 | 37224.281 | 44548.563 | 28.905 | 30.293 | 26.864 | 1.021 |
| 10/11/2017 9:15  | 558900     | 10.047 | 16.393 | 22.632 | 36690.27  | 43908.602 | 28.445 | 29.858 | 27.255 | 1.021 |
| 10/11/2017 9:30  | 559800     | 10.049 | 16.392 | 22.636 | 35759.727 | 42795.672 | 27.646 | 29.101 | 27.964 | 1.02  |
| 10/11/2017 9:45  | 560700     | 10.008 | 16.39  | 22.543 | 34833.656 | 41689.914 | 26.855 | 28.349 | 28.708 | 1.019 |
| 10/11/2017 10:00 | 561600     | 10.004 | 16.39  | 22.535 | 36293.203 | 34346.035 | 28.105 | 29.537 | 27.553 | 1.02  |
| 10/11/2017 10:15 | 562500     | 10.078 | 16.389 | 22.701 | 35435.191 | 42410.449 | 27.37  | 28.839 | 28.221 | 1.02  |
| 10/11/2017 10:30 | 563400     | 10.01  | 16.389 | 22.549 | 34531.371 | 41328.629 | 26.597 | 28.103 | 28.959 | 1.019 |
| 10/11/2017 10:45 | 564300     | 10.101 | 16.39  | 22.754 | 35710.742 | 42739.203 | 27.605 | 29.063 | 28.003 | 1.02  |
| 10/11/2017 11:00 | 565200     | 10.057 | 16.389 | 22.655 | 34602.5   | 41413.508 | 26.658 | 28.161 | 28.9   | 1.019 |
| 10/11/2017 11:15 | 566100     | 10.045 | 16.389 | 22.628 | 36215.871 | 43345.141 | 28.04  | 29.475 | 27.612 | 1.02  |
| 10/11/2017 11:30 | 567000     | 10.13  | 16.39  | 22.818 | 34934.09  | 41810.199 | 26.941 | 28.431 | 28.625 | 1.019 |
| 10/11/2017 11:45 | 567900     | 10.072 | 16.389 | 22.688 | 34329.586 | 41087.453 | 26.425 | 27.939 | 29.129 | 1.019 |
| 10/11/2017 12:00 | 568800     | 10.083 | 16.389 | 22.713 | 36581.305 | 43782.246 | 28.354 | 29.772 | 27.336 | 1.021 |
| 10/11/2017 12:15 | 569700     | 10.094 | 16.389 | 22.738 | 35756.277 | 42795.168 | 27.645 | 29.101 | 27.967 | 1.02  |
| 10/11/2017 12:30 | 570600     | 10.088 | 16.389 | 22.725 | 34881.207 | 41747.414 | 26.896 | 28.388 | 28.669 | 1.019 |
| 10/11/2017 12:45 | 571500     | 10.119 | 16.39  | 22.795 | 34328.473 | 41084.801 | 26.424 | 27.938 | 29.13  | 1.019 |
| 10/11/2017 13:00 | 572400     | 10.174 | 16.391 | 22.917 | 34407.422 | 41178.785 | 26.491 | 28.002 | 29.063 | 1.021 |
| 10/11/2017 13:15 | 573300     | 10.215 | 16.391 | 23.01  | 37434.531 | 44800.918 | 29.087 | 30.465 | 26.713 | 1.019 |
| 10/11/2017 13:30 | 574200     | 10.231 | 16.391 | 23.047 | 37378.578 | 44734.664 | 29.039 | 30.42  | 26.753 | 1.021 |
| 10/11/2017 13:45 | 575100     | 10.234 | 16.39  | 23.053 | 37288.059 | 44626.688 | 28.962 | 30.346 | 26.818 | 1.021 |
| 10/11/2017 14:00 | 576000     | 10.314 | 16.39  | 23.233 | 37047.059 | 44338.172 | 28.754 | 30.15  | 26.993 | 1.021 |
| 10/11/2017 14:15 | 576900     | 10.271 | 16.39  | 23.138 | 36806.191 | 44050.078 | 28.546 | 29.954 | 27.169 | 1.021 |
| 10/11/2017 14:30 | 577800     | 10.251 | 16.391 | 23.092 | 35881.934 | 42943.578 | 27.752 | 29.202 | 27.869 | 1.02  |
| 10/11/2017 14:45 | 578700     | 10.324 | 16.39  | 23.255 | 35571.504 | 42572.563 | 27.486 | 28.949 | 28.112 | 1.02  |
| 10/11/2017 15:00 | 579600     | 10.254 | 16.39  | 23.099 | 34826.234 | 41680.953 | 26.849 | 28.343 | 28.714 | 1.019 |
| 10/11/2017 15:15 | 580500     | 10.261 | 16.39  | 23.113 | 34566.633 | 41370.164 | 26.627 | 28.132 | 28.93  | 1.019 |
| 10/11/2017 15:30 | 581400     | 10.316 | 16.39  | 23.237 | 33889.188 | 40559.223 | 26.05  | 27.58  | 29.508 | 1.019 |
| 10/11/2017 15:45 | 582300     | 10.266 | 16.389 | 23.125 | 34791.898 | 37425.344 | 29.081 | 30.458 | 26.72  | 1.021 |
| 10/11/2017 16:00 | 583200     | 10.294 | 16.389 | 23.188 | 37325.418 | 44673.023 | 28.995 | 30.378 | 26.791 | 1.021 |
| 10/11/2017 16:15 | 584100     | 10.257 | 16.39  | 23.105 | 37284.691 | 44623.023 | 28.959 | 30.344 | 26.821 | 1.021 |
| 10/11/2017 16:30 | 585000     | 10.321 | 16.389 | 23.25  | 37018.766 | 44305.563 | 28.73  | 30.128 | 27.013 | 1.021 |
| 10/11/2017 16:45 | 585900     | 10.331 | 16.389 | 23.272 | 36008.863 | 43097.383 | 27.862 | 29.306 | 27.771 | 1.02  |
| 10/11/2017 17:00 | 586800     | 10.236 | 16.39  | 23.058 | 35488.969 | 42474.039 | 27.415 | 28.882 | 28.178 | 1.02  |
| 10/11/2017 17:15 | 587700     | 10.292 | 16.389 | 23.184 | 35250.258 | 42189.281 | 27.212 | 28.689 | 28.369 | 1.02  |
| 10/11/2017 17:30 | 588600     | 10.317 | 16.394 | 23.239 | 34660.305 | 41478.43  | 26.704 | 28.205 | 28.851 | 1.019 |
| 10/11/2017 17:45 | 589500     | 10.364 | 16.392 | 23.346 | 34685.16  | 41509.516 | 26.726 | 28.226 | 28.831 | 1.019 |
| 10/11/2017 18:00 | 590400     | 10.281 | 16.393 | 23.159 | 34634.621 | 41448.531 | 26.683 | 28.185 | 28.873 | 1.019 |
| 10/11/2017 18:15 | 591300     | 10.325 | 16.393 | 23.257 | 37509.879 | 44889.105 | 29.151 | 30.525 | 26.66  | 1.021 |
| 10/11/2017 18:30 | 592200     | 23.332 | 16.366 | 52.557 | 37596.973 | 45021.898 | 29.245 | 30.615 | 26.598 | 1.021 |
| 10/11/2017 18:45 | 593100     | 23.865 | 16.441 | 53.757 | 39126.957 | 46773.328 | 30.518 | 31.806 | 25.558 | 1.022 |
| 10/11/2017 19:00 | 594000     | 24.111 | 16.423 | 54.313 | 39081.781 | 46738.699 | 30.492 | 31.782 | 25.587 | 1.022 |
| 10/11/2017 19:15 | 594900     | 24.283 | 16.348 | 54.7   | 38824.66  | 46510.5   | 30.321 | 31.627 | 25.757 | 1.022 |
| 10/11/2017 19:30 | 595800     | 24.411 | 16.299 | 54.987 | 38678.523 | 46387.371 | 30.229 | 31.543 | 25.854 | 1.022 |
| 10/11/2017 19:45 | 596700     | 24.508 | 16.222 | 55.206 | 38906.98  | 46746.414 | 30.485 | 31.788 | 25.702 | 1.022 |
| 10/11/2017 20:00 | 597600     | 24.602 | 15.889 | 55.418 | 40269.207 | 48753.551 | 31.923 | 33.152 | 24.833 | 1.023 |
| 10/11/2017 20:15 | 598500     | 24.675 | 15.73  | 55.583 | 40453.508 | 49157.324 | 32.207 | 33.427 | 24.72  | 1.024 |
| 10/11/2017 20:30 | 599400     | 24.732 | 15.694 | 55.711 | 40530.441 | 49291.766 | 32.303 | 33.518 | 24.673 | 1.024 |
| 10/11/2017 20:45 | 600300     | 24.797 | 15.71  | 55.857 | 40590.586 | 49346.57  | 32.344 | 33.556 | 24.636 | 1.024 |
| 10/11/2017 21:00 | 601200     | 24.841 | 15.781 | 55.957 | 40687.898 | 49383.402 | 32.376 | 33.581 | 24.577 | 1.024 |
| 10/11/2017 21:15 | 602100     | 24.885 | 15.883 | 56.057 | 40781.512 | 49379.945 | 32.381 | 33.578 | 24.521 | 1.024 |
| 10/11/2017 21:30 | 603000     | 24.934 | 15.888 | 56.167 | 40743.543 | 49328.438 | 32.344 | 33.543 | 24.544 | 1.024 |
| 10/11/2017 21:45 | 603900     | 24.9   |        |        |           |           |        |        |        |       |

Serial\_number:  
2003874  
  
Project ID:  
MPWSP Monitoring Wells Barologge  
  
Location:  
MW-5M Baro  
LEVEL  
UNIT: psi  
TEMPERATURE  
UNIT: °C

| Date      | Time     | ms | LEVEL   | TEMPERATURE |  |
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| 10/5/2017 | 0:15:00  | 0  | 14.6981 | 9.117       |  |
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| 10/5/2017 | 1:00:00  | 0  | 14.6958 | 8.816       |  |
| 10/5/2017 | 1:15:00  | 0  | 14.6953 | 8.676       |  |
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| 10/5/2017 | 4:15:00  | 0  | 14.6881 | 7.065       |  |
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| 10/5/2017 | 16:30:00 | 0  | 14.6596 | 16.214      |  |
| 10/5/2017 | 16:45:00 | 0  | 14.6594 | 15.758      |  |

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| 10/7/2017 | 15:45:00 | 0 | 14.6157 | 20.399 |
| 10/7/2017 | 16:00:00 | 0 | 14.6145 | 19.279 |
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| 10/9/2017 | 9:15:00  | 0 | 14.6366 | 17.204 |
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| 10/9/2017 | 9:45:00  | 0 | 14.6368 | 20.611 |
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| 10/9/2017 | 10:15:00 | 0 | 14.6387 | 23.577 |
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| 10/9/2017 | 17:15:00 | 0 | 14.6468 | 16.857 |
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| 10/9/2017 | 18:00:00 | 0 | 14.6447 | 16.057 |
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| 10/9/2017 | 19:15:00 | 0 | 14.6498 | 13.997 |
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| 10/9/2017  | 21:30:00 | 0 | 14.6562 | 11.766 |
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| 10/9/2017  | 22:15:00 | 0 | 14.6548 | 11.661 |
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| 10/10/2017 | 17:45:00 | 0 | 14.6423 | 13.893 |
| 10/10/2017 | 18:00:00 | 0 | 14.6449 | 13.746 |
| 10/10/2017 | 18:15:00 | 0 | 14.6437 | 13.621 |
| 10/10/2017 | 18:30:00 | 0 | 14.6464 | 13.479 |
| 10/10/2017 | 18:45:00 | 0 | 14.6453 | 13.434 |
| 10/10/2017 | 19:00:00 | 0 | 14.6455 | 13.495 |
| 10/10/2017 | 19:15:00 | 0 | 14.6476 | 13.445 |
| 10/10/2017 | 19:30:00 | 0 | 14.6473 | 13.374 |
| 10/10/2017 | 19:45:00 | 0 | 14.648  | 13.353 |
| 10/10/2017 | 20:00:00 | 0 | 14.6499 | 13.239 |
| 10/10/2017 | 20:15:00 | 0 | 14.6485 | 13.211 |
| 10/10/2017 | 20:30:00 | 0 | 14.6483 | 13.188 |
| 10/10/2017 | 20:45:00 | 0 | 14.6481 | 13.19  |
| 10/10/2017 | 21:00:00 | 0 | 14.648  | 13.251 |
| 10/10/2017 | 21:15:00 | 0 | 14.6497 | 13.248 |
| 10/10/2017 | 21:30:00 | 0 | 14.651  | 13.061 |
| 10/10/2017 | 21:45:00 | 0 | 14.6518 | 12.774 |
| 10/10/2017 | 22:00:00 | 0 | 14.6519 | 12.573 |
| 10/10/2017 | 22:15:00 | 0 | 14.653  | 12.498 |
| 10/10/2017 | 22:30:00 | 0 | 14.6548 | 12.448 |
| 10/10/2017 | 22:45:00 | 0 | 14.6562 | 12.322 |
| 10/10/2017 | 23:00:00 | 0 | 14.6583 | 12.257 |
| 10/10/2017 | 23:15:00 | 0 | 14.6569 | 12.21  |
| 10/10/2017 | 23:30:00 | 0 | 14.6578 | 12.13  |
| 10/10/2017 | 23:45:00 | 0 | 14.6568 | 12.177 |
| 10/11/2017 | 0:00:00  | 0 | 14.6565 | 12.217 |
| 10/11/2017 | 0:15:00  | 0 | 14.6555 | 12.209 |
| 10/11/2017 | 0:30:00  | 0 | 14.6562 | 12.107 |
| 10/11/2017 | 0:45:00  | 0 | 14.6558 | 12.08  |
| 10/11/2017 | 1:00:00  | 0 | 14.6557 | 12.136 |
| 10/11/2017 | 1:15:00  | 0 | 14.6545 | 12.17  |
| 10/11/2017 | 1:30:00  | 0 | 14.6533 | 12.141 |
| 10/11/2017 | 1:45:00  | 0 | 14.6531 | 12.149 |
| 10/11/2017 | 2:00:00  | 0 | 14.6532 | 12.18  |
| 10/11/2017 | 2:15:00  | 0 | 14.6523 | 12.171 |
| 10/11/2017 | 2:30:00  | 0 | 14.6509 | 12.147 |
| 10/11/2017 | 2:45:00  | 0 | 14.6496 | 12.157 |
| 10/11/2017 | 3:00:00  | 0 | 14.647  | 12.178 |
| 10/11/2017 | 3:15:00  | 0 | 14.6454 | 12.205 |
| 10/11/2017 | 3:30:00  | 0 | 14.6434 | 12.171 |
| 10/11/2017 | 3:45:00  | 0 | 14.642  | 12.165 |
| 10/11/2017 | 4:00:00  | 0 | 14.6423 | 12.136 |
| 10/11/2017 | 4:15:00  | 0 | 14.6427 | 12.129 |
| 10/11/2017 | 4:30:00  | 0 | 14.6424 | 12.135 |
| 10/11/2017 | 4:45:00  | 0 | 14.6422 | 12.107 |
| 10/11/2017 | 5:00:00  | 0 | 14.6423 | 12.127 |
| 10/11/2017 | 5:15:00  | 0 | 14.6416 | 12.117 |
| 10/11/2017 | 5:30:00  | 0 | 14.6445 | 12.113 |
| 10/11/2017 | 5:45:00  | 0 | 14.6453 | 12.104 |
| 10/11/2017 | 6:00:00  | 0 | 14.6483 | 12.068 |
| 10/11/2017 | 6:15:00  | 0 | 14.6476 | 12.071 |
| 10/11/2017 | 6:30:00  | 0 | 14.6497 | 12.097 |
| 10/11/2017 | 6:45:00  | 0 | 14.6497 | 12.064 |
| 10/11/2017 | 7:00:00  | 0 | 14.6522 | 11.984 |
| 10/11/2017 | 7:15:00  | 0 | 14.6527 | 11.969 |
| 10/11/2017 | 7:30:00  | 0 | 14.655  | 11.919 |
| 10/11/2017 | 7:45:00  | 0 | 14.6575 | 11.916 |
| 10/11/2017 | 8:00:00  | 0 | 14.6602 | 11.906 |
| 10/11/2017 | 8:15:00  | 0 | 14.6631 | 11.939 |
| 10/11/2017 | 8:30:00  | 0 | 14.6642 | 12.067 |
| 10/11/2017 | 8:45:00  | 0 | 14.6671 | 12.193 |
| 10/11/2017 | 9:00:00  | 0 | 14.6711 | 12.301 |
| 10/11/2017 | 9:15:00  | 0 | 14.6749 | 12.452 |
| 10/11/2017 | 9:30:00  | 0 | 14.6757 | 12.663 |
| 10/11/2017 | 9:45:00  | 0 | 14.6797 | 12.789 |
| 10/11/2017 | 10:00:00 | 0 | 14.6806 | 12.967 |
| 10/11/2017 | 10:15:00 | 0 | 14.6801 | 13.124 |
| 10/11/2017 | 10:30:00 | 0 | 14.6804 | 13.332 |
| 10/11/2017 | 10:45:00 | 0 | 14.6797 | 13.541 |
| 10/11/2017 | 11:00:00 | 0 | 14.68   | 14.108 |

|            |          |   |         |        |
|------------|----------|---|---------|--------|
| 10/11/2017 | 11:15:00 | 0 | 14.6797 | 14.794 |
| 10/11/2017 | 11:30:00 | 0 | 14.6796 | 16.063 |
| 10/11/2017 | 11:45:00 | 0 | 14.679  | 17.532 |
| 10/11/2017 | 12:00:00 | 0 | 14.6786 | 18.725 |
| 10/11/2017 | 12:15:00 | 0 | 14.6765 | 19.285 |
| 10/11/2017 | 12:30:00 | 0 | 14.6742 | 20.053 |
| 10/11/2017 | 12:45:00 | 0 | 14.6736 | 20.483 |
| 10/11/2017 | 13:00:00 | 0 | 14.6716 | 20.332 |
| 10/11/2017 | 13:15:00 | 0 | 14.6704 | 20.185 |
| 10/11/2017 | 13:30:00 | 0 | 14.6687 | 19.861 |
| 10/11/2017 | 13:45:00 | 0 | 14.6675 | 19.456 |
| 10/11/2017 | 14:00:00 | 0 | 14.6646 | 19.192 |
| 10/11/2017 | 14:15:00 | 0 | 14.6623 | 19.281 |
| 10/11/2017 | 14:30:00 | 0 | 14.6611 | 19.264 |
| 10/11/2017 | 14:45:00 | 0 | 14.66   | 19.357 |
| 10/11/2017 | 15:00:00 | 0 | 14.6603 | 19.656 |
| 10/11/2017 | 15:15:00 | 0 | 14.6605 | 19.602 |
| 10/11/2017 | 15:30:00 | 0 | 14.6604 | 18.728 |
| 10/11/2017 | 15:45:00 | 0 | 14.661  | 17.668 |
| 10/11/2017 | 16:00:00 | 0 | 14.6607 | 16.968 |
| 10/11/2017 | 16:15:00 | 0 | 14.6604 | 16.466 |
| 10/11/2017 | 16:30:00 | 0 | 14.66   | 16.118 |
| 10/11/2017 | 16:45:00 | 0 | 14.6601 | 15.799 |
| 10/11/2017 | 17:00:00 | 0 | 14.659  | 15.484 |
| 10/11/2017 | 17:15:00 | 0 | 14.6575 | 15.182 |
| 10/11/2017 | 17:30:00 | 0 | 14.6556 | 14.811 |
| 10/11/2017 | 17:45:00 | 0 | 14.6565 | 14.475 |
| 10/11/2017 | 18:00:00 | 0 | 14.6575 | 14.285 |
| 10/11/2017 | 18:15:00 | 0 | 14.6576 | 14.103 |
| 10/11/2017 | 18:30:00 | 0 | 14.6568 | 13.871 |
| 10/11/2017 | 18:45:00 | 0 | 14.6598 | 13.528 |
| 10/11/2017 | 19:00:00 | 0 | 14.6612 | 13.181 |
| 10/11/2017 | 19:15:00 | 0 | 14.6627 | 12.822 |
| 10/11/2017 | 19:30:00 | 0 | 14.6628 | 12.493 |
| 10/11/2017 | 19:45:00 | 0 | 14.6647 | 12.229 |
| 10/11/2017 | 20:00:00 | 0 | 14.6668 | 12.03  |
| 10/11/2017 | 20:15:00 | 0 | 14.6681 | 11.843 |
| 10/11/2017 | 20:30:00 | 0 | 14.6702 | 11.686 |
| 10/11/2017 | 20:45:00 | 0 | 14.6728 | 11.526 |
| 10/11/2017 | 21:00:00 | 0 | 14.6766 | 11.377 |
| 10/11/2017 | 21:15:00 | 0 | 14.6781 | 11.219 |
| 10/11/2017 | 21:30:00 | 0 | 14.6807 | 11.051 |
| 10/11/2017 | 21:45:00 | 0 | 14.6814 | 10.84  |
| 10/11/2017 | 22:00:00 | 0 | 14.6828 | 10.667 |
| 10/11/2017 | 22:15:00 | 0 | 14.6842 | 10.489 |
| 10/11/2017 | 22:30:00 | 0 | 14.6859 | 10.299 |
| 10/11/2017 | 22:45:00 | 0 | 14.6877 | 10.116 |
| 10/11/2017 | 23:00:00 | 0 | 14.6896 | 10.008 |
| 10/11/2017 | 23:15:00 | 0 | 14.6918 | 9.893  |
| 10/11/2017 | 23:30:00 | 0 | 14.6904 | 9.664  |
| 10/11/2017 | 23:45:00 | 0 | 14.6899 | 9.269  |

Report Date: 10/13/2017 8:35  
Report User Name: WMassoll  
Report Computer Name: WKST52  
Application: WinSitu.exe  
Application Version: 5.6.27.1

Log File Properties

File Name MPWSP Barotroll\_2017-10-12\_17-14-36-585.wsl  
Create Date 10/12/2017 17:14

Device Properties

Device BaroTROLL 500  
Site MPWSP BaroTroll  
Device Name  
Serial Number 399604  
Firmware Version 3.02  
Hardware Version 4  
Device Address 1  
Device Comm Cfg 19200 8 Even 1 (Modbus-RTU)  
Used Memory 0  
Used Battery 7

Log Configuration

Log Name MPWSP Barotroll  
Created By KMakar  
Computer Name PROBOOK10  
Application WinSitu.exe  
Application Version 5.6.25.0  
Create Date 4/28/2016 3:36:54 PM Pacific Daylight Time  
Log Setup Time Zone Pacific Daylight Time  
Notes Size(bytes) 4096  
Overwrite when full Enabled  
Scheduled Start Time 4/28/2016 3:45:00 PM Pacific Daylight Time  
Scheduled Stop Time No Stop Time  
Type Linear  
Interval Days: 0 hrs: 00 mins: 15 secs: 00

Other Log Settings

Log Notes:

| Date and Time    | Note                                                                                                                                                 |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4/28/2016 15:41  | Sensor SN: 399604 Factory calibration has expired.: 1/21/2016 11:40:19 AM                                                                            |
| 4/28/2016 15:41  | Used Battery: 7% Used Memory: 12% User Name: KMakar                                                                                                  |
| 5/5/2016 13:40   | Log Download - Used Battery: 7% Used Memory: 12% User Name: SKuiper Interval - Start Time: 3/31/2016 12:00:00 PM Stop Time: 5/5/2016 2:30:00 PM      |
| 5/12/2016 16:51  | Log Download - Used Battery: 7% Used Memory: 12% User Name: SKuiper Interval - Start Time: 5/3/2016 12:00:00 PM Stop Time: 5/12/2016 5:45:00 PM      |
| 5/19/2016 17:53  | Log Download - Used Battery: 7% Used Memory: 12% User Name: ELinden Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 6:45:00 PM     |
| 5/26/2016 15:21  | Log Download - Used Battery: 7% Used Memory: 12% User Name: SKuiper Interval - Start Time: 5/17/2016 6:00:00 PM Stop Time: 5/26/2016 4:15:00 PM      |
| 6/2/2016 17:25   | Log Download - Used Battery: 7% Used Memory: 12% User Name: SKuiper Interval - Start Time: 4/30/2016 1:15:00 AM Stop Time: 6/2/2016 6:15:00 PM       |
| 6/9/2016 14:11   | Log Download - Used Battery: 7% Used Memory: 12% User Name: CShaw Interval - Start Time: 5/31/2016 5:00:00 AM Stop Time: 6/9/2016 3:00:00 PM         |
| 6/16/2016 18:18  | Log Download - Used Battery: 7% Used Memory: 18% User Name: SKuiper Interval - Start Time: 6/7/2016 10:30:00 PM Stop Time: 6/16/2016 7:15:00 PM      |
| 6/23/2016 18:28  | Log Download - Used Battery: 8% Used Memory: 18% User Name: SKuiper Interval - Start Time: 6/15/2016 10:00:00 PM Stop Time: 6/23/2016 7:15:00 PM     |
| 7/1/2016 15:22   | Log Download - Used Battery: 8% Used Memory: 18% User Name: SKuiper Interval - Start Time: 5/31/2016 1:00:00 AM Stop Time: 7/1/2016 4:15:00 PM       |
| 7/8/2016 13:27   | Log Download - Used Battery: 8% Used Memory: 18% User Name: SKuiper Interval - Start Time: 6/29/2016 10:00:00 PM Stop Time: 7/8/2016 1:05:00 PM      |
| 7/14/2016 21:10  | Log Download - Used Battery: 8% Used Memory: 18% User Name: ELinden Interval - Start Time: 7/5/2016 12:00:00 PM Stop Time: 7/14/2016 10:00:00 PM     |
| 7/22/2016 10:07  | Log Download - Used Battery: 8% Used Memory: 18% User Name: SKuiper Interval - Start Time: 7/13/2016 10:00:00 PM Stop Time: 7/22/2016 10:00:00 AM    |
| 7/28/2016 21:08  | Log Download - Used Battery: 8% Used Memory: 25% User Name: SKuiper Interval - Start Time: 7/20/2016 10:00:00 PM Stop Time: 7/28/2016 9:00:00 PM     |
| 8/4/2016 19:48   | Log Download - Used Battery: 8% Used Memory: 25% User Name: SKuiper Interval - Start Time: 6/29/2016 10:00:00 PM Stop Time: 8/4/2016 8:35:00 PM      |
| 8/11/2016 18:17  | Log Download - Used Battery: 8% Used Memory: 25% User Name: ELinden Interval - Start Time: 8/2/2016 12:00:00 PM Stop Time: 8/11/2016 8:15:00 PM      |
| 8/18/2016 18:17  | Log Download - Used Battery: 8% Used Memory: 25% User Name: SKuiper Interval - Start Time: 8/10/2016 10:00:00 PM Stop Time: 8/18/2016 7:00:00 PM     |
| 8/18/2016 18:18  | Log Download - Used Battery: 8% Used Memory: 25% User Name: SKuiper Interval - Start Time: 8/10/2016 10:00:00 AM Stop Time: 8/18/2016 6:15:00 PM     |
| 8/25/2016 21:35  | Log Download - Used Battery: 9% Used Memory: 25% User Name: ELinden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 10:30:00 PM    |
| 9/1/2016 17:23   | Log Download - Used Battery: 9% Used Memory: 25% User Name: skuiper Interval - Start Time: 7/30/2016 10:00:00 PM Stop Time: 9/1/2016 6:15:00 PM      |
| 9/8/2016 19:54   | Log Download - Used Battery: 9% Used Memory: 31% User Name: SKuiper Interval - Start Time: 8/31/2016 12:00:00 AM Stop Time: 9/8/2016 7:45:00 PM      |
| 9/8/2016 19:55   | Log Download - Used Battery: 9% Used Memory: 31% User Name: SKuiper Interval - Start Time: 8/31/2016 12:00:00 AM Stop Time: 9/8/2016 8:45:00 PM      |
| 9/15/2016 21:07  | Log Download - Used Battery: 9% Used Memory: 31% User Name: ANorris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 10:00:00 PM     |
| 9/22/2016 19:04  | Log Download - Used Battery: 9% Used Memory: 31% User Name: ANorris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 7:15:00 PM     |
| 10/2/2016 11:33  | Log Download - Used Battery: 9% Used Memory: 31% User Name: ANorris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/2/2016 12:30:00 PM    |
| 10/7/2016 13:04  | Log Download - Used Battery: 9% Used Memory: 31% User Name: SKuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/7/2016 5:10:00 PM     |
| 10/7/2016 20:09  | Log Download - Used Battery: 9% Used Memory: 31% User Name: SKuiper Interval - Start Time: 9/27/2016 12:00:00 AM Stop Time: 10/7/2016 8:00:00 PM     |
| 10/13/2016 19:55 | Log Download - Used Battery: 9% Used Memory: 31% User Name: SKuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 7:45:00 PM    |
| 10/13/2016 19:57 | Log Download - Used Battery: 9% Used Memory: 31% User Name: SKuiper Interval - Start Time: 10/5/2016 12:00:00 AM Stop Time: 10/13/2016 7:45:00 PM    |
| 10/20/2016 19:48 | Log Download - Used Battery: 9% Used Memory: 37% User Name: SKuiper Interval - Start Time: 10/12/2016 12:00:00 AM Stop Time: 10/20/2016 8:30:00 PM   |
| 10/27/2016 18:20 | Log Download - Used Battery: 10% Used Memory: 37% User Name: SKuiper Interval - Start Time: 10/18/2016 5:00:00 PM Stop Time: 10/27/2016 6:15:00 PM   |
| 11/3/2016 17:45  | Log Download - Used Battery: 10% Used Memory: 37% User Name: SKuiper Interval - Start Time: 9/30/2016 7:50:00 PM Stop Time: 11/3/2016 6:45:00 PM     |
| 11/11/2016 9:44  | Log Download - Used Battery: 10% Used Memory: 37% User Name: SKuiper Interval - Start Time: 11/2/2016 10:00:00 PM Stop Time: 11/11/2016 10:30:00 AM  |
| 11/17/2016 16:26 | Log Download - Used Battery: 10% Used Memory: 37% User Name: SKuiper Interval - Start Time: 11/9/2016 10:00:00 PM Stop Time: 11/17/2016 5:15:00 PM   |
| 11/24/2016 16:54 | Log Download - Used Battery: 10% Used Memory: 37% User Name: SKuiper Interval - Start Time: 11/15/2016 10:00:00 PM Stop Time: 11/24/2016 5:45:00 PM  |
| 12/2/2016 8:57   | Log Download - Used Battery: 10% Used Memory: 43% User Name: SKuiper Interval - Start Time: 10/31/2016 1:00:00 AM Stop Time: 12/2/2016 9:45:00 AM    |
| 12/8/2016 17:43  | Log Download - Used Battery: 10% Used Memory: 43% User Name: SKuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 12/8/2016 6:30:00 PM   |
| 12/9/2016 11:16  | Log Download - Used Battery: 10% Used Memory: 43% User Name: SKuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 12/9/2016 11:15:00 AM  |
| 12/15/2016 16:34 | Log Download - Used Battery: 10% Used Memory: 43% User Name: SKuiper Interval - Start Time: 12/7/2016 10:00:00 PM Stop Time: 12/15/2016 4:30:00 PM   |
| 12/22/2016 21:05 | Log Download - Used Battery: 10% Used Memory: 43% User Name: ANorris Interval - Start Time: 12/14/2016 10:00:00 PM Stop Time: 12/22/2016 9:30:00 PM  |
| 1/5/2017 18:42   | Log Download - Used Battery: 11% Used Memory: 43% User Name: SKuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 1/5/2017 6:30:00 PM    |
| 1/12/2017 17:40  | Log Download - Used Battery: 11% Used Memory: 50% User Name: SKuiper Interval - Start Time: 1/4/2017 10:00:00 PM Stop Time: 1/12/2017 5:30:00 PM     |
| 1/19/2017 14:17  | Log Download - Used Battery: 11% Used Memory: 50% User Name: EHernandez Interval - Start Time: 1/11/2017 10:00:00 PM Stop Time: 1/19/2017 3:15:00 PM |
| 1/27/2017 7:44   | Log Download - Used Battery: 11% Used Memory: 50% User Name: SKuiper Interval - Start Time: 1/18/2017 10:00:00 PM Stop Time: 1/27/2017 8:30:00 AM    |
| 2/2/2017 18:55   | Log Download - Used Battery: 11% Used Memory: 50% User Name: WMassoll Interval - Start Time: 12/31/2016 10:00:00 PM Stop Time: 2/2/2017 6:45:00 PM   |
| 2/9/2017 15:56   | Log Download - Used Battery: 11% Used Memory: 50% User Name: EHernandez Interval - Start Time: 2/1/2017 12:00:00 AM Stop Time: 2/9/2017 4:45:00 PM   |
| 2/16/2017 15:27  | Log Download - Used Battery: 11% Used Memory: 50% User Name: WMassoll Interval - Start Time: 2/8/2017 10:00:00 PM Stop Time: 2/16/2017 4:15:00 PM    |

|                 |                                                   |                                                                                                     |
|-----------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| 2/22/2017 17:21 | Log Download - Used Battery: 11% Used Memory: 56% | User Name: EHernandez Interval - Start Time: 2/15/2017 12:00:00 AM Stop Time: 2/22/2017 2:15:00 PM  |
| 2/23/2017 15:46 | Log Download - Used Battery: 11% Used Memory: 56% | User Name: EHernandez Interval - Start Time: 2/15/2017 12:00:00 AM Stop Time: 2/23/2017 3:45:00 PM  |
| 3/2/2017 18:28  | Log Download - Used Battery: 11% Used Memory: 56% | User Name: SKuiper Interval - Start Time: 1/31/2017 10:00:00 PM Stop Time: 3/2/2017 11:15:00 PM     |
| 3/9/2017 17:51  | Log Download - Used Battery: 12% Used Memory: 56% | User Name: WMassoll Interval - Start Time: 3/3/2017 8:15:00 AM Stop Time: 3/9/2017 6:45:00 PM       |
| 3/10/2017 15:58 | Log Download - Used Battery: 12% Used Memory: 56% | User Name: WMassoll Interval - Start Time: 3/1/2017 8:15:00 AM Stop Time: 3/10/2017 4:45:00 PM      |
| 3/16/2017 18:57 | Log Download - Used Battery: 12% Used Memory: 56% | User Name: WMassoll Interval - Start Time: 3/8/2017 10:00:00 PM Stop Time: 3/16/2017 7:45:00 PM     |
| 3/23/2017 15:05 | Log Download - Used Battery: 12% Used Memory: 56% | User Name: AVanHaitsma Interval - Start Time: 3/15/2017 10:00:00 PM Stop Time: 3/23/2017 4:00:00 PM |
| 3/30/2017 13:22 | Log Download - Used Battery: 12% Used Memory: 56% | User Name: AVanHaitsma Interval - Start Time: 3/22/2017 10:00:00 PM Stop Time: 3/30/2017 2:15:00 PM |
| 4/6/2017 18:21  | Log Download - Used Battery: 12% Used Memory: 62% | User Name: WMassoll Interval - Start Time: 2/28/2017 12:00:00 PM Stop Time: 4/6/2017 9:15:00 PM     |
| 4/13/2017 18:56 | Log Download - Used Battery: 12% Used Memory: 62% | User Name: WMassoll Interval - Start Time: 4/5/2017 10:00:00 PM Stop Time: 4/13/2017 8:45:00 PM     |
| 4/20/2017 19:05 | Log Download - Used Battery: 12% Used Memory: 62% | User Name: AVanHaitsma Interval - Start Time: 4/12/2017 10:00:00 PM Stop Time: 4/20/2017 8:00:00 PM |
| 4/27/2017 18:54 | Log Download - Used Battery: 12% Used Memory: 62% | User Name: WMassoll Interval - Start Time: 4/19/2017 10:00:00 PM Stop Time: 4/27/2017 7:45:00 PM    |
| 4/28/2017 12:12 | Log Download - Used Battery: 12% Used Memory: 62% | User Name: WMassoll Interval - Start Time: 4/19/2017 10:00:00 PM Stop Time: 4/28/2017 1:00:00 PM    |
| 5/4/2017 13:20  | Log Download - Used Battery: 12% Used Memory: 62% | User Name: AVanHaitsma Interval - Start Time: 3/31/2017 10:00:00 PM Stop Time: 5/4/2017 2:15:00 PM  |
| 5/11/2017 13:32 | Log Download - Used Battery: 13% Used Memory: 62% | User Name: AVanHaitsma Interval - Start Time: 5/3/2017 10:00:00 PM Stop Time: 5/11/2017 3:15:00 PM  |

|              |                            |
|--------------|----------------------------|
| Log Data:    |                            |
| Record Count | 750                        |
| Sensors      | 1                          |
|              | 1399604 Baro-Pressure/Temp |

Time Zone: Pacific Daylight Time

| Date and Time   | Elapsed Time<br>Seconds | Sensor: Baro Pres<br>SN#: 399604<br>Pressure (mmHg) | Sensor: Baro Pres<br>SN#: 399604<br>Temperature (C) |        |
|-----------------|-------------------------|-----------------------------------------------------|-----------------------------------------------------|--------|
|                 |                         |                                                     |                                                     |        |
| 10/5/2017 0:00  |                         | 7200                                                | 762.849                                             | 17.878 |
| 10/5/2017 0:15  |                         | 8100                                                | 762.745                                             | 17.731 |
| 10/5/2017 0:30  |                         | 9000                                                | 762.883                                             | 17.613 |
| 10/5/2017 0:45  |                         | 9900                                                | 762.537                                             | 17.499 |
| 10/5/2017 1:00  |                         | 10800                                               | 762.119                                             | 17.378 |
| 10/5/2017 1:15  |                         | 11700                                               | 762.502                                             | 17.262 |
| 10/5/2017 1:30  |                         | 12600                                               | 762.447                                             | 17.097 |
| 10/5/2017 1:45  |                         | 13500                                               | 762.514                                             | 16.968 |
| 10/5/2017 2:00  |                         | 14400                                               | 762.375                                             | 16.865 |
| 10/5/2017 2:15  |                         | 15300                                               | 762.543                                             | 16.773 |
| 10/5/2017 2:30  |                         | 16200                                               | 762.574                                             | 16.653 |
| 10/5/2017 2:45  |                         | 17100                                               | 762.51                                              | 16.546 |
| 10/5/2017 3:00  |                         | 18000                                               | 762.245                                             | 16.469 |
| 10/5/2017 3:15  |                         | 18900                                               | 762.702                                             | 16.374 |
| 10/5/2017 3:30  |                         | 19800                                               | 762.193                                             | 16.297 |
| 10/5/2017 3:45  |                         | 20700                                               | 762.223                                             | 16.172 |
| 10/5/2017 4:00  |                         | 21600                                               | 762.202                                             | 16.071 |
| 10/5/2017 4:15  |                         | 22500                                               | 762.299                                             | 15.973 |
| 10/5/2017 4:30  |                         | 23400                                               | 762.13                                              | 15.855 |
| 10/5/2017 4:45  |                         | 24300                                               | 762.215                                             | 15.789 |
| 10/5/2017 5:00  |                         | 25200                                               | 762.082                                             | 15.699 |
| 10/5/2017 5:15  |                         | 26100                                               | 762.349                                             | 15.621 |
| 10/5/2017 5:30  |                         | 27000                                               | 761.992                                             | 15.525 |
| 10/5/2017 5:45  |                         | 27900                                               | 762.29                                              | 15.424 |
| 10/5/2017 6:00  |                         | 28800                                               | 762.099                                             | 15.343 |
| 10/5/2017 6:15  |                         | 29700                                               | 762.24                                              | 15.255 |
| 10/5/2017 6:30  |                         | 30600                                               | 762.158                                             | 15.156 |
| 10/5/2017 6:45  |                         | 31500                                               | 762.224                                             | 15.078 |
| 10/5/2017 7:00  |                         | 32400                                               | 762.012                                             | 15.016 |
| 10/5/2017 7:15  |                         | 33300                                               | 762.27                                              | 14.899 |
| 10/5/2017 7:30  |                         | 34200                                               | 761.862                                             | 14.853 |
| 10/5/2017 7:45  |                         | 35100                                               | 762.097                                             | 14.912 |
| 10/5/2017 8:00  |                         | 36000                                               | 762.378                                             | 14.906 |
| 10/5/2017 8:15  |                         | 36900                                               | 762.555                                             | 15.02  |
| 10/5/2017 8:30  |                         | 37800                                               | 762.165                                             | 15.164 |
| 10/5/2017 8:45  |                         | 38700                                               | 762.305                                             | 15.421 |
| 10/5/2017 9:00  |                         | 39600                                               | 762.434                                             | 15.697 |
| 10/5/2017 9:15  |                         | 40500                                               | 762.277                                             | 16.063 |
| 10/5/2017 9:30  |                         | 41400                                               | 762.291                                             | 16.436 |
| 10/5/2017 9:45  |                         | 42300                                               | 762.36                                              | 16.789 |
| 10/5/2017 10:00 |                         | 43200                                               | 762.22                                              | 17.225 |
| 10/5/2017 10:15 |                         | 44100                                               | 762.639                                             | 17.645 |
| 10/5/2017 10:30 |                         | 45000                                               | 762.151                                             | 18.047 |
| 10/5/2017 10:45 |                         | 45900                                               | 762.333                                             | 18.417 |
| 10/5/2017 11:00 |                         | 46800                                               | 762.174                                             | 18.773 |
| 10/5/2017 11:15 |                         | 47700                                               | 762.013                                             | 19.078 |
| 10/5/2017 11:30 |                         | 48600                                               | 762.092                                             | 19.432 |
| 10/5/2017 11:45 |                         | 49500                                               | 762.359                                             | 19.725 |
| 10/5/2017 12:00 |                         | 50400                                               | 762.109                                             | 19.984 |
| 10/5/2017 12:15 |                         | 51300                                               | 762.044                                             | 20.209 |
| 10/5/2017 12:30 |                         | 52200                                               | 762.056                                             | 20.407 |
| 10/5/2017 12:45 |                         | 53100                                               | 761.684                                             | 20.57  |
| 10/5/2017 13:00 |                         | 54000                                               | 761.974                                             | 20.709 |
| 10/5/2017 13:15 |                         | 54900                                               | 761.619                                             | 20.867 |
| 10/5/2017 13:30 |                         | 55800                                               | 761.433                                             | 21.029 |
| 10/5/2017 13:45 |                         | 56700                                               | 761.388                                             | 21.209 |
| 10/5/2017 14:00 |                         | 57600                                               | 761.271                                             | 21.348 |
| 10/5/2017 14:15 |                         | 58500                                               | 761.293                                             | 21.522 |
| 10/5/2017 14:30 |                         | 59400                                               | 761.11                                              | 21.665 |
| 10/5/2017 14:45 |                         | 60300                                               | 761.209                                             | 21.834 |
| 10/5/2017 15:00 |                         | 61200                                               | 761.054                                             | 22.026 |
| 10/5/2017 15:15 |                         | 62100                                               | 760.853                                             | 22.182 |
| 10/5/2017 15:30 |                         | 63000                                               | 760.876                                             | 22.206 |
| 10/5/2017 15:45 |                         | 63900                                               | 760.58                                              | 22.195 |
| 10/5/2017 16:00 |                         | 64800                                               | 760.916                                             | 22.126 |
| 10/5/2017 16:15 |                         | 65700                                               | 760.643                                             | 22.016 |
| 10/5/2017 16:30 |                         | 66600                                               | 760.271                                             | 21.91  |

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| 10/5/2017 16:45 | 67500  | 760.511 | 21.739 |
| 10/5/2017 17:00 | 68400  | 760.568 | 21.616 |
| 10/5/2017 17:15 | 69300  | 760.619 | 21.454 |
| 10/5/2017 17:30 | 70200  | 760.406 | 21.304 |
| 10/5/2017 17:45 | 71100  | 760.362 | 21.166 |
| 10/5/2017 18:00 | 72000  | 760.519 | 21.064 |
| 10/5/2017 18:15 | 72900  | 760.206 | 20.879 |
| 10/5/2017 18:30 | 73800  | 760.391 | 20.676 |
| 10/5/2017 18:45 | 74700  | 760.429 | 20.433 |
| 10/5/2017 19:00 | 75600  | 760.229 | 20.174 |
| 10/5/2017 19:15 | 76500  | 760.438 | 19.875 |
| 10/5/2017 19:30 | 77400  | 760.268 | 19.608 |
| 10/5/2017 19:45 | 78300  | 760.651 | 19.384 |
| 10/5/2017 20:00 | 79200  | 760.48  | 19.18  |
| 10/5/2017 20:15 | 80100  | 760.605 | 19.022 |
| 10/5/2017 20:30 | 81000  | 760.93  | 18.891 |
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| 10/5/2017 21:00 | 82800  | 761.063 | 18.616 |
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| 10/5/2017 22:00 | 86400  | 761.123 | 18.104 |
| 10/5/2017 22:15 | 87300  | 760.964 | 17.969 |
| 10/5/2017 22:30 | 88200  | 761.319 | 17.854 |
| 10/5/2017 22:45 | 89100  | 761.466 | 17.715 |
| 10/5/2017 23:00 | 90000  | 761.461 | 17.63  |
| 10/5/2017 23:15 | 90900  | 761.548 | 17.501 |
| 10/5/2017 23:30 | 91800  | 761.188 | 17.362 |
| 10/5/2017 23:45 | 92700  | 761.631 | 17.281 |
| 10/6/2017 0:00  | 93600  | 761.537 | 17.165 |
| 10/6/2017 0:15  | 94500  | 761.454 | 17.054 |
| 10/6/2017 0:30  | 95400  | 761.718 | 16.938 |
| 10/6/2017 0:45  | 96300  | 761.497 | 16.84  |
| 10/6/2017 1:00  | 97200  | 761.585 | 16.714 |
| 10/6/2017 1:15  | 98100  | 761.367 | 16.601 |
| 10/6/2017 1:30  | 99000  | 761.496 | 16.495 |
| 10/6/2017 1:45  | 99900  | 761.72  | 16.4   |
| 10/6/2017 2:00  | 100800 | 761.706 | 16.281 |
| 10/6/2017 2:15  | 101700 | 761.748 | 16.192 |
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| 10/6/2017 3:30  | 106200 | 761.745 | 15.765 |
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| 10/6/2017 4:00  | 108000 | 761.331 | 15.633 |
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| 10/6/2017 5:00  | 111600 | 761.577 | 15.512 |
| 10/6/2017 5:15  | 112500 | 761.551 | 15.555 |
| 10/6/2017 5:30  | 113400 | 761.81  | 15.559 |
| 10/6/2017 5:45  | 114300 | 761.46  | 15.589 |
| 10/6/2017 6:00  | 115200 | 761.475 | 15.55  |
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| 10/6/2017 6:30  | 117000 | 761.887 | 15.471 |
| 10/6/2017 6:45  | 117900 | 761.909 | 15.429 |
| 10/6/2017 7:00  | 118800 | 761.811 | 15.386 |
| 10/6/2017 7:15  | 119700 | 761.849 | 15.34  |
| 10/6/2017 7:30  | 120600 | 762.095 | 15.314 |
| 10/6/2017 7:45  | 121500 | 761.854 | 15.305 |
| 10/6/2017 8:00  | 122400 | 762.097 | 15.363 |
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| 10/6/2017 8:45  | 125100 | 762.339 | 15.857 |
| 10/6/2017 9:00  | 126000 | 762.932 | 16.157 |
| 10/6/2017 9:15  | 126900 | 762.427 | 16.527 |
| 10/6/2017 9:30  | 127800 | 762.866 | 16.917 |
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| 10/6/2017 10:00 | 129600 | 762.885 | 17.705 |
| 10/6/2017 10:15 | 130500 | 762.662 | 18.075 |
| 10/6/2017 10:30 | 131400 | 762.773 | 18.439 |
| 10/6/2017 10:45 | 132300 | 762.618 | 18.739 |
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| 10/6/2017 11:15 | 134100 | 762.206 | 19.402 |
| 10/6/2017 11:30 | 135000 | 762.286 | 19.659 |
| 10/6/2017 11:45 | 135900 | 762.138 | 19.96  |
| 10/6/2017 12:00 | 136800 | 762.119 | 20.167 |
| 10/6/2017 12:15 | 137700 | 761.768 | 20.434 |
| 10/6/2017 12:30 | 138600 | 762.217 | 20.705 |
| 10/6/2017 12:45 | 139500 | 762.015 | 20.972 |
| 10/6/2017 13:00 | 140400 | 761.969 | 21.223 |
| 10/6/2017 13:15 | 141300 | 761.343 | 21.516 |
| 10/6/2017 13:30 | 142200 | 761.499 | 21.75  |
| 10/6/2017 13:45 | 143100 | 761.575 | 21.998 |
| 10/6/2017 14:00 | 144000 | 761.087 | 22.221 |
| 10/6/2017 14:15 | 144900 | 760.982 | 22.446 |
| 10/6/2017 14:30 | 145800 | 761.122 | 22.677 |
| 10/6/2017 14:45 | 146700 | 760.922 | 22.88  |
| 10/6/2017 15:00 | 147600 | 760.967 | 23.092 |
| 10/6/2017 15:15 | 148500 | 760.737 | 23.253 |
| 10/6/2017 15:30 | 149400 | 760.922 | 23.335 |
| 10/6/2017 15:45 | 150300 | 760.975 | 23.353 |
| 10/6/2017 16:00 | 151200 | 761.008 | 23.275 |
| 10/6/2017 16:15 | 152100 | 760.895 | 23.176 |
| 10/6/2017 16:30 | 153000 | 760.655 | 23.012 |

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| 10/6/2017 16:45 | 153900 | 760.802 | 22.872 |
| 10/6/2017 17:00 | 154800 | 760.903 | 22.762 |
| 10/6/2017 17:15 | 155700 | 760.718 | 22.598 |
| 10/6/2017 17:30 | 156600 | 760.591 | 22.411 |
| 10/6/2017 17:45 | 157500 | 760.934 | 22.195 |
| 10/6/2017 18:00 | 158400 | 760.491 | 22.021 |
| 10/6/2017 18:15 | 159300 | 760.818 | 21.782 |
| 10/6/2017 18:30 | 160200 | 760.798 | 21.517 |
| 10/6/2017 18:45 | 161100 | 760.75  | 21.306 |
| 10/6/2017 19:00 | 162000 | 760.79  | 21.131 |
| 10/6/2017 19:15 | 162900 | 760.49  | 20.919 |
| 10/6/2017 19:30 | 163800 | 760.947 | 20.701 |
| 10/6/2017 19:45 | 164700 | 760.603 | 20.477 |
| 10/6/2017 20:00 | 165600 | 761.016 | 20.275 |
| 10/6/2017 20:15 | 166500 | 761.185 | 20.016 |
| 10/6/2017 20:30 | 167400 | 760.89  | 19.857 |
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| 10/6/2017 21:00 | 169200 | 760.885 | 19.505 |
| 10/6/2017 21:15 | 170100 | 760.866 | 19.393 |
| 10/6/2017 21:30 | 171000 | 761.027 | 19.22  |
| 10/6/2017 21:45 | 171900 | 761.173 | 19.105 |
| 10/6/2017 22:00 | 172800 | 760.847 | 18.966 |
| 10/6/2017 22:15 | 173700 | 760.76  | 18.833 |
| 10/6/2017 22:30 | 174600 | 760.997 | 18.729 |
| 10/6/2017 22:45 | 175500 | 760.977 | 18.589 |
| 10/6/2017 23:00 | 176400 | 760.973 | 18.466 |
| 10/6/2017 23:15 | 177300 | 760.931 | 18.337 |
| 10/6/2017 23:30 | 178200 | 760.997 | 18.222 |
| 10/6/2017 23:45 | 179100 | 760.57  | 18.055 |
| 10/7/2017 0:00  | 180000 | 760.873 | 17.91  |
| 10/7/2017 0:15  | 180900 | 760.499 | 17.77  |
| 10/7/2017 0:30  | 181800 | 760.513 | 17.643 |
| 10/7/2017 0:45  | 182700 | 760.504 | 17.55  |
| 10/7/2017 1:00  | 183600 | 760.728 | 17.446 |
| 10/7/2017 1:15  | 184500 | 760.27  | 17.305 |
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| 10/7/2017 2:00  | 187200 | 760.442 | 16.958 |
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| 10/7/2017 3:00  | 190800 | 759.97  | 16.564 |
| 10/7/2017 3:15  | 191700 | 760.249 | 16.478 |
| 10/7/2017 3:30  | 192600 | 759.765 | 16.438 |
| 10/7/2017 3:45  | 193500 | 759.628 | 16.421 |
| 10/7/2017 4:00  | 194400 | 759.54  | 16.34  |
| 10/7/2017 4:15  | 195300 | 760.02  | 16.347 |
| 10/7/2017 4:30  | 196200 | 759.551 | 16.309 |
| 10/7/2017 4:45  | 197100 | 759.728 | 16.235 |
| 10/7/2017 5:00  | 198000 | 759.553 | 16.232 |
| 10/7/2017 5:15  | 198900 | 759.563 | 16.19  |
| 10/7/2017 5:30  | 199800 | 759.438 | 16.187 |
| 10/7/2017 5:45  | 200700 | 759.361 | 16.089 |
| 10/7/2017 6:00  | 201600 | 759.705 | 16.003 |
| 10/7/2017 6:15  | 202500 | 759.739 | 15.925 |
| 10/7/2017 6:30  | 203400 | 759.287 | 15.833 |
| 10/7/2017 6:45  | 204300 | 759.733 | 15.777 |
| 10/7/2017 7:00  | 205200 | 759.344 | 15.691 |
| 10/7/2017 7:15  | 206100 | 759.561 | 15.66  |
| 10/7/2017 7:30  | 207000 | 759.367 | 15.592 |
| 10/7/2017 7:45  | 207900 | 759.18  | 15.514 |
| 10/7/2017 8:00  | 208800 | 759.412 | 15.486 |
| 10/7/2017 8:15  | 209700 | 759.654 | 15.547 |
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| 10/7/2017 8:45  | 211500 | 759.689 | 15.965 |
| 10/7/2017 9:00  | 212400 | 759.617 | 16.268 |
| 10/7/2017 9:15  | 213300 | 759.716 | 16.607 |
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| 10/7/2017 9:45  | 215100 | 759.635 | 17.382 |
| 10/7/2017 10:00 | 216000 | 759.538 | 17.792 |
| 10/7/2017 10:15 | 216900 | 759.756 | 18.147 |
| 10/7/2017 10:30 | 217800 | 759.715 | 18.475 |
| 10/7/2017 10:45 | 218700 | 759.586 | 18.815 |
| 10/7/2017 11:00 | 219600 | 759.523 | 19.157 |
| 10/7/2017 11:15 | 220500 | 759.885 | 19.449 |
| 10/7/2017 11:30 | 221400 | 759.692 | 19.694 |
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| 10/7/2017 12:15 | 224100 | 759.26  | 20.272 |
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| 10/7/2017 13:00 | 226800 | 759.106 | 20.779 |
| 10/7/2017 13:15 | 227700 | 758.931 | 20.962 |
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| 10/7/2017 13:45 | 229500 | 758.758 | 21.352 |
| 10/7/2017 14:00 | 230400 | 758.538 | 21.543 |
| 10/7/2017 14:15 | 231300 | 758.809 | 21.761 |
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| 10/7/2017 14:45 | 233100 | 758.422 | 22.126 |
| 10/7/2017 15:00 | 234000 | 758.214 | 22.347 |
| 10/7/2017 15:15 | 234900 | 758.205 | 22.489 |
| 10/7/2017 15:30 | 235800 | 758.038 | 22.595 |
| 10/7/2017 15:45 | 236700 | 758.217 | 22.581 |
| 10/7/2017 16:00 | 237600 | 758.151 | 22.528 |
| 10/7/2017 16:15 | 238500 | 758.263 | 22.41  |
| 10/7/2017 16:30 | 239400 | 758.177 | 22.308 |

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| 10/7/2017 16:45 | 240300 | 758.095 | 22.196 |
| 10/7/2017 17:00 | 241200 | 758.097 | 22.047 |
| 10/7/2017 17:15 | 242100 | 757.757 | 21.913 |
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| 10/7/2017 17:45 | 243900 | 757.62  | 21.557 |
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| 10/7/2017 19:45 | 251100 | 757.537 | 19.905 |
| 10/7/2017 20:00 | 252000 | 757.211 | 19.734 |
| 10/7/2017 20:15 | 252900 | 757.54  | 19.528 |
| 10/7/2017 20:30 | 253800 | 757.753 | 19.356 |
| 10/7/2017 20:45 | 254700 | 757.917 | 19.215 |
| 10/7/2017 21:00 | 255600 | 757.618 | 19.063 |
| 10/7/2017 21:15 | 256500 | 757.63  | 18.93  |
| 10/7/2017 21:30 | 257400 | 757.684 | 18.799 |
| 10/7/2017 21:45 | 258300 | 757.739 | 18.695 |
| 10/7/2017 22:00 | 259200 | 758.194 | 18.571 |
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| 10/7/2017 22:30 | 261000 | 758.206 | 18.412 |
| 10/7/2017 22:45 | 261900 | 757.868 | 18.33  |
| 10/7/2017 23:00 | 262800 | 757.742 | 18.27  |
| 10/7/2017 23:15 | 263700 | 757.598 | 18.19  |
| 10/7/2017 23:30 | 264600 | 757.32  | 18.131 |
| 10/7/2017 23:45 | 265500 | 757.37  | 18.089 |
| 10/8/2017 0:00  | 266400 | 757.516 | 17.994 |
| 10/8/2017 0:15  | 267300 | 757.597 | 17.932 |
| 10/8/2017 0:30  | 268200 | 757.476 | 17.909 |
| 10/8/2017 0:45  | 269100 | 757.381 | 17.836 |
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| 10/8/2017 1:15  | 270900 | 756.934 | 17.765 |
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| 10/8/2017 1:45  | 272700 | 757.377 | 17.657 |
| 10/8/2017 2:00  | 273600 | 757.235 | 17.601 |
| 10/8/2017 2:15  | 274500 | 757.395 | 17.612 |
| 10/8/2017 2:30  | 275400 | 757.307 | 17.534 |
| 10/8/2017 2:45  | 276300 | 756.932 | 17.459 |
| 10/8/2017 3:00  | 277200 | 757.221 | 17.421 |
| 10/8/2017 3:15  | 278100 | 757.176 | 17.381 |
| 10/8/2017 3:30  | 279000 | 757.032 | 17.335 |
| 10/8/2017 3:45  | 279900 | 756.817 | 17.277 |
| 10/8/2017 4:00  | 280800 | 756.597 | 17.216 |
| 10/8/2017 4:15  | 281700 | 756.603 | 17.168 |
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| 10/8/2017 4:45  | 283500 | 756.727 | 17.044 |
| 10/8/2017 5:00  | 284400 | 756.522 | 16.991 |
| 10/8/2017 5:15  | 285300 | 756.273 | 16.936 |
| 10/8/2017 5:30  | 286200 | 756.684 | 16.901 |
| 10/8/2017 5:45  | 287100 | 756.418 | 16.856 |
| 10/8/2017 6:00  | 288000 | 756.648 | 16.924 |
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| 10/11/2017 14:00 | 576000 | 760.874 | 20.754 |
| 10/11/2017 14:15 | 576900 | 760.578 | 20.923 |
| 10/11/2017 14:30 | 577800 | 760.697 | 21.072 |
| 10/11/2017 14:45 | 578700 | 760.5   | 21.246 |
| 10/11/2017 15:00 | 579600 | 760.425 | 21.427 |
| 10/11/2017 15:15 | 580500 | 760.465 | 21.578 |
| 10/11/2017 15:30 | 581400 | 760.105 | 21.669 |
| 10/11/2017 15:45 | 582300 | 760.552 | 21.717 |
| 10/11/2017 16:00 | 583200 | 760.512 | 21.736 |
| 10/11/2017 16:15 | 584100 | 760.521 | 21.729 |
| 10/11/2017 16:30 | 585000 | 760.801 | 21.703 |

|                  |        |         |        |
|------------------|--------|---------|--------|
| 10/11/2017 16:45 | 585900 | 760.598 | 21.638 |
| 10/11/2017 17:00 | 586800 | 760.299 | 21.551 |
| 10/11/2017 17:15 | 587700 | 760.279 | 21.394 |
| 10/11/2017 17:30 | 588600 | 760.402 | 21.244 |
| 10/11/2017 17:45 | 589500 | 760.363 | 21.094 |
| 10/11/2017 18:00 | 590400 | 760.498 | 20.885 |
| 10/11/2017 18:15 | 591300 | 760.527 | 20.76  |
| 10/11/2017 18:30 | 592200 | 760.833 | 20.603 |
| 10/11/2017 18:45 | 593100 | 760.538 | 20.409 |
| 10/11/2017 19:00 | 594000 | 760.587 | 20.216 |
| 10/11/2017 19:15 | 594900 | 760.681 | 20.012 |
| 10/11/2017 19:30 | 595800 | 760.766 | 19.745 |
| 10/11/2017 19:45 | 596700 | 760.425 | 19.501 |
| 10/11/2017 20:00 | 597600 | 760.453 | 19.285 |
| 10/11/2017 20:15 | 598500 | 760.97  | 19.051 |
| 10/11/2017 20:30 | 599400 | 760.988 | 18.874 |
| 10/11/2017 20:45 | 600300 | 761.209 | 18.681 |
| 10/11/2017 21:00 | 601200 | 761.373 | 18.5   |
| 10/11/2017 21:15 | 602100 | 761.479 | 18.367 |
| 10/11/2017 21:30 | 603000 | 761.516 | 18.228 |
| 10/11/2017 21:45 | 603900 | 761.779 | 18.109 |
| 10/11/2017 22:00 | 604800 | 761.992 | 17.965 |
| 10/11/2017 22:15 | 605700 | 761.672 | 17.864 |
| 10/11/2017 22:30 | 606600 | 761.624 | 17.716 |
| 10/11/2017 22:45 | 607500 | 761.922 | 17.587 |
| 10/11/2017 23:00 | 608400 | 762.224 | 17.494 |
| 10/11/2017 23:15 | 609300 | 762.247 | 17.406 |
| 10/11/2017 23:30 | 610200 | 762.131 | 17.272 |
| 10/11/2017 23:45 | 611100 | 762.303 | 17.183 |

***GEOSCIENCE***

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