

MONTEREY PENINSULA WATER SUPPLY PROJECT

Test Slant Well Long Term Pumping Monitoring Report No. 145 14-February-18 - 21-February-18

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

February 27, 2018

PREPARED FOR:
California American Water



**CALIFORNIA
AMERICAN WATER**

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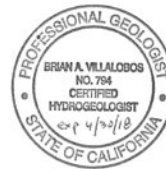
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THIS REPORT HAS BEEN PREPARED BY OR UNDER THE DIRECTION OF THE FOLLOWING DESIGN PROFESSIONAL LICENSED BY THE STATE OF CALIFORNIA AND BASED ON THE MOST RECENT AVAILABLE INFORMATION.



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

www.watersupplyproject.org

**MONTEREY PENINSULA
WATER SUPPLY PROJECT**

**TEST SLANT WELL LONG TERM PUMPING MONITORING REPORT NO. 145
14-FEBRUARY-18 - 21-FEBRUARY-18**

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

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 14-February-18 through 21-February-18 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 (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
10/12/2017	4:15 PM	10/13/2017	7:49 AM	16	Development
10/17/2017	2:56 PM	10/18/2017	8:39 AM	18	Development
10/18/2017	3:46 PM	10/19/2017	8:35 AM	17	Development
10/19/2017	4:04 PM	10/20/2017	7:54 AM	16	Development
11/8/2017	5:59 PM	11/9/2017	7:56 AM	14	Development
11/9/2017	5:27 PM	11/10/2017	7:57 AM	15	Development
11/16/2017	4:33 PM	11/17/2017	9:56 AM	17	Development
11/23/2017	4:16 PM	11/24/2017	1:35 PM	21	Development
1/5/2018	11:27 AM	1/5/2018	12:43 PM	1	Sample port replacement
1/6/2018	5:32 PM	1/8/2018	9:46 AM	40	PG&E power interruption
1/11/2018	1:52 PM	1/11/2018	5:12 PM	3	PG&E power interruption
1/11/2018	5:19 PM	1/12/2018	7:30 AM	14	PG&E power interruption
2/15/2018	4:09 PM	2/16/2018	6:16 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. 145 (this report), is the one-hundred forty-fifth 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. 7¹).

¹ 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

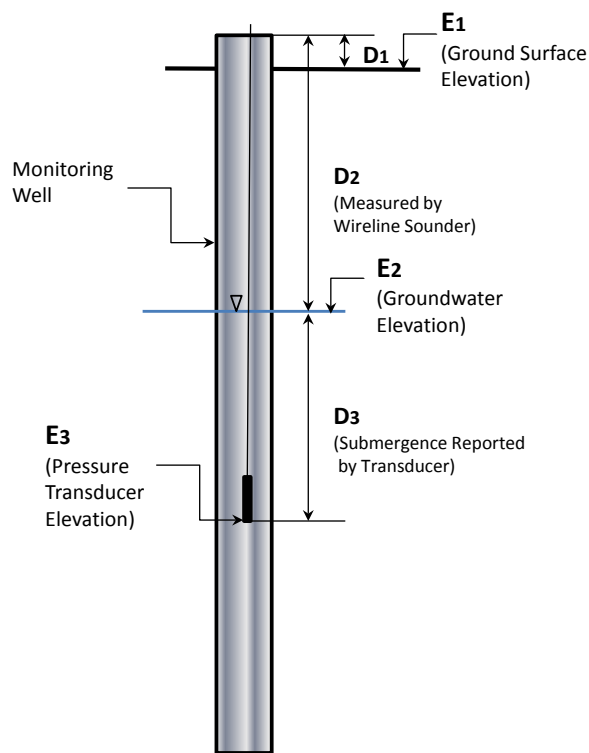
Pressure transducer readings were converted to groundwater elevation values (expressed as ft NAVD88) using the setting depth of the pressure transducer and the ground surface elevation at the monitoring well site (see inset). After initially setting a pressure transducer in the well, and after each time 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).

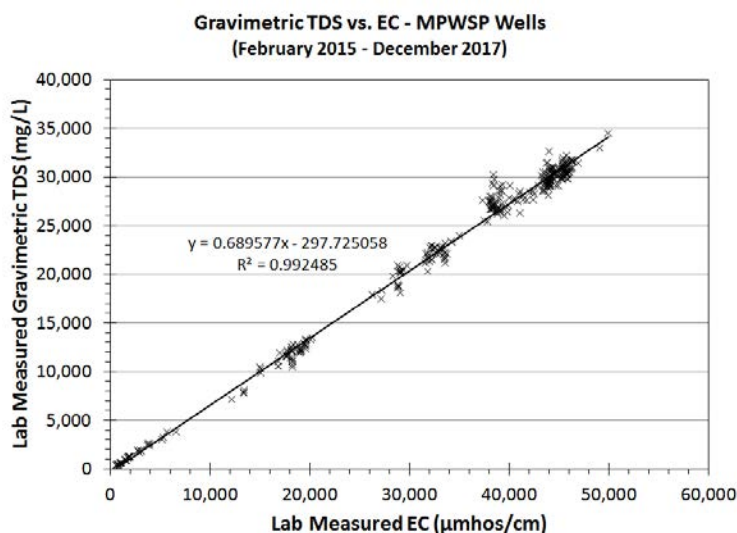


3.0 ESTIMATING TOTAL DISSOLVED SOLIDS FROM ELECTRICAL CONDUCTIVITY (EC) MEASUREMENTS

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 323 sampling events (from the Test Slant Well and network monitoring wells) collected between February 2015 and December 2017 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.

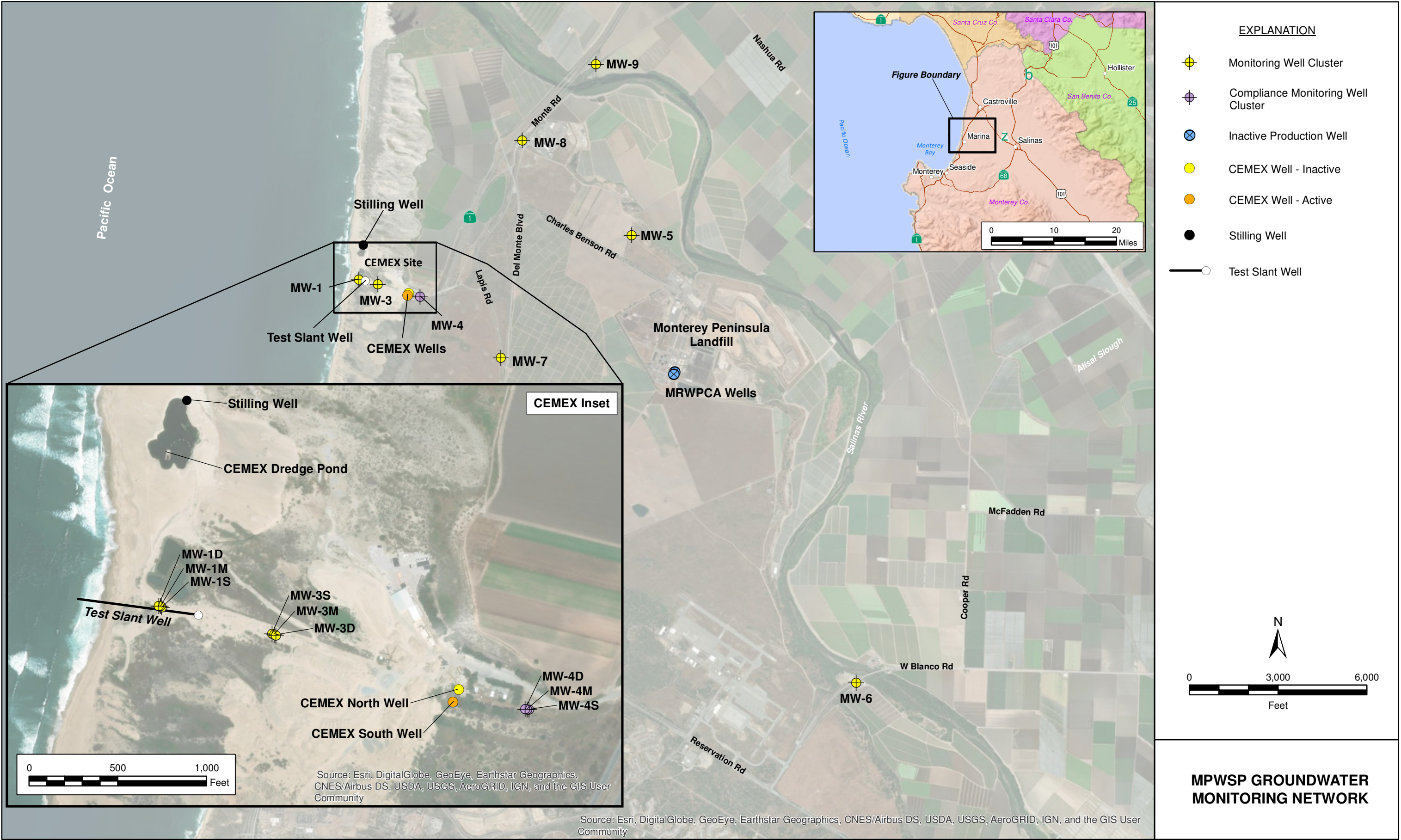
Data collected from transducers will continue to be plotted. Where no transducers were present, specific conductivity data was collected using a hand-held electrical conductance meter (MW-5 &

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

©2018, GEOSCIENCE Support Services, Inc. All rights reserved. Drawn By: DB. Projection: State Plane 1983, Zone IV.

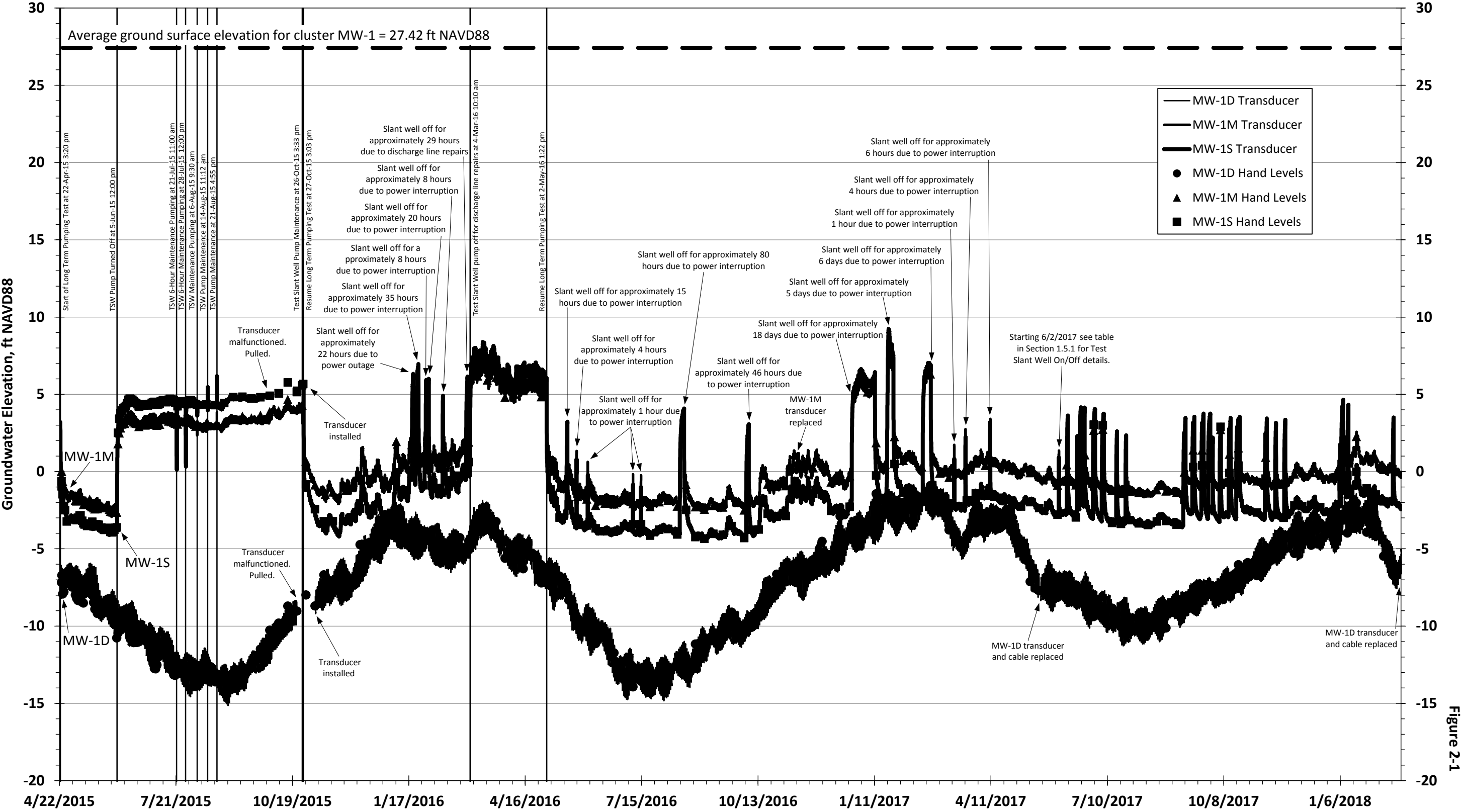
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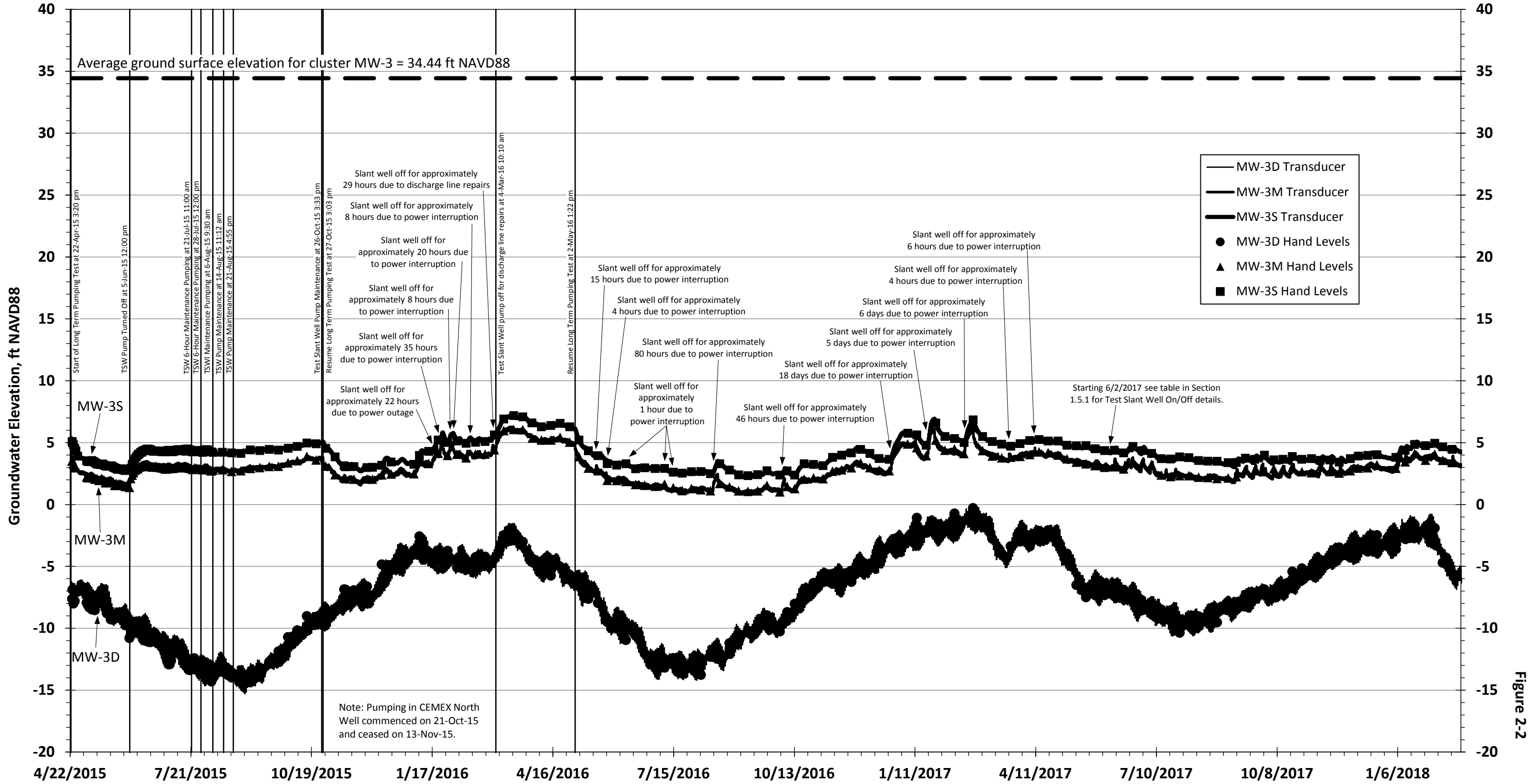
27-Feb-18

FIGURE 1-1

Groundwater Elevation in MPWSP MW-1



Groundwater Elevation in MPWSP MW-3



Groundwater Elevation in MPWSP MW-4

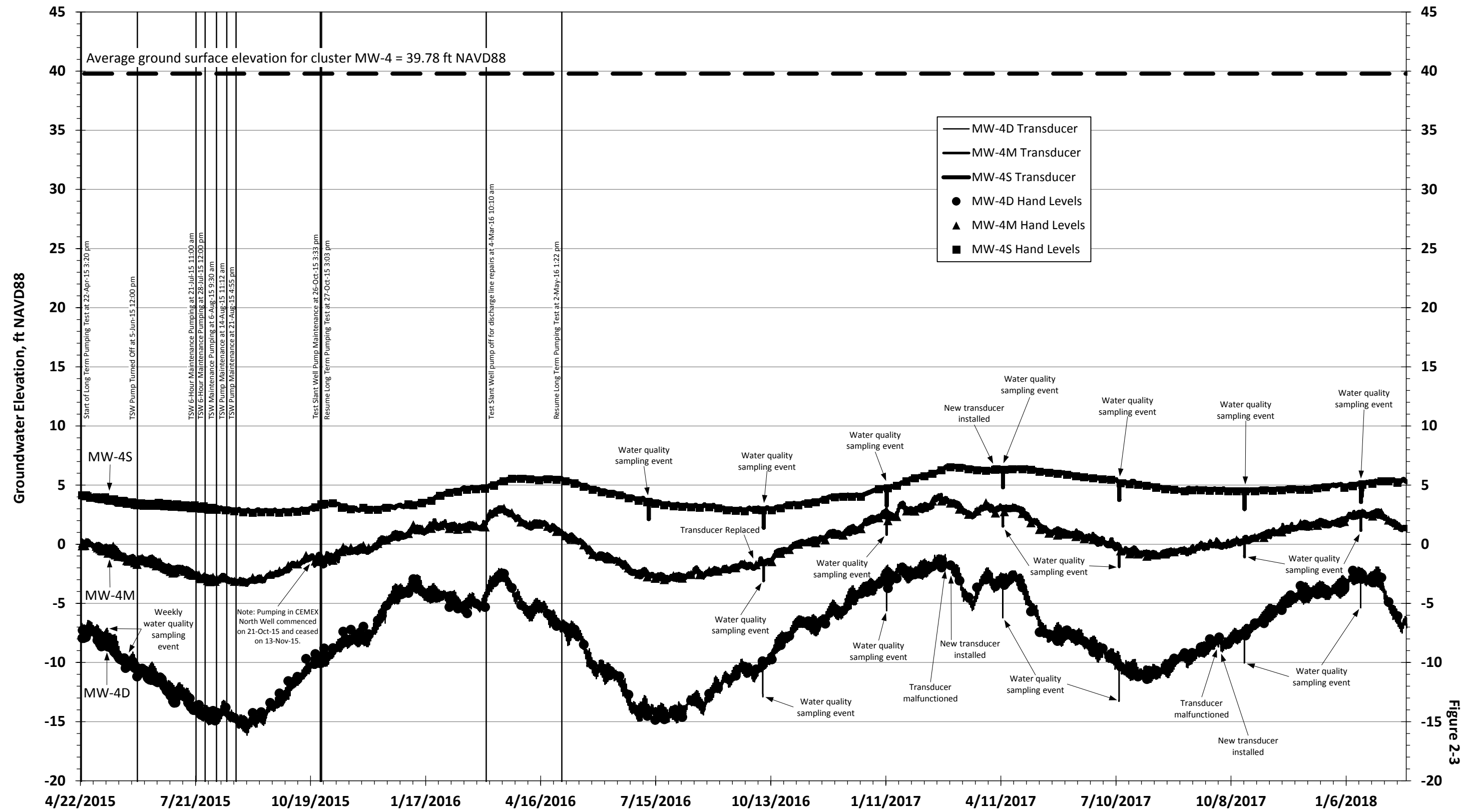


Figure 2-3

Groundwater Elevation in MPWSP MW-5

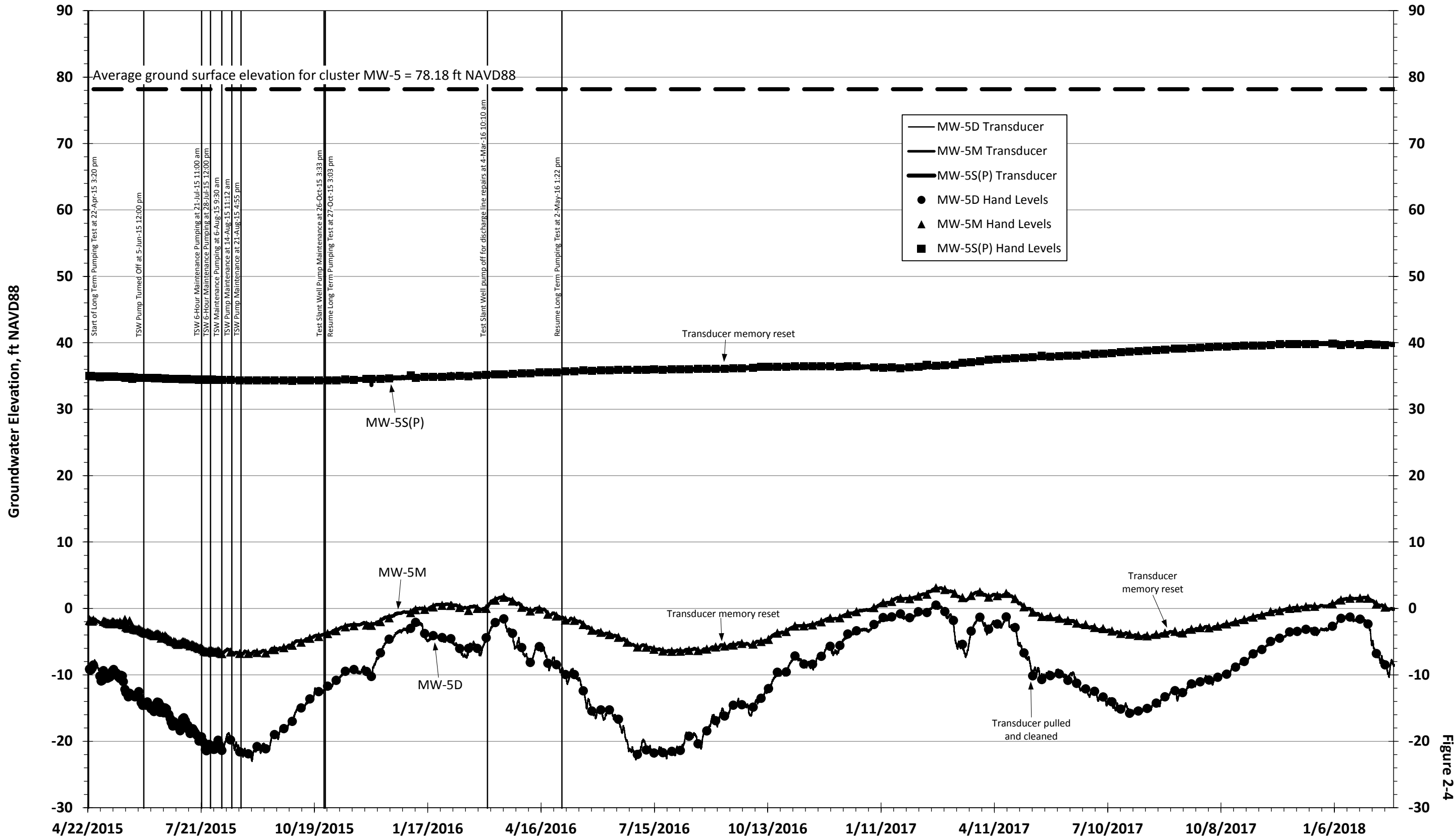
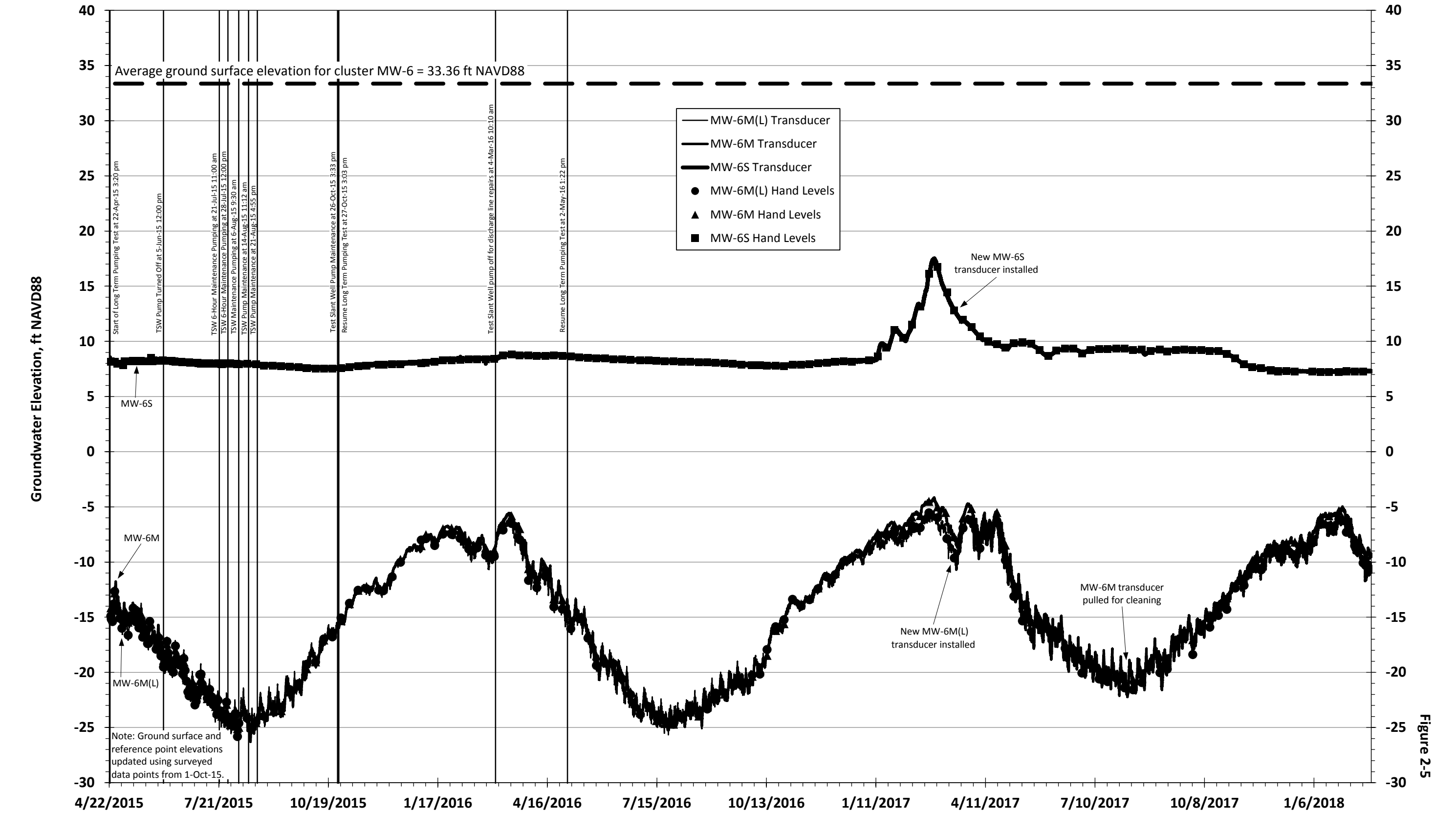
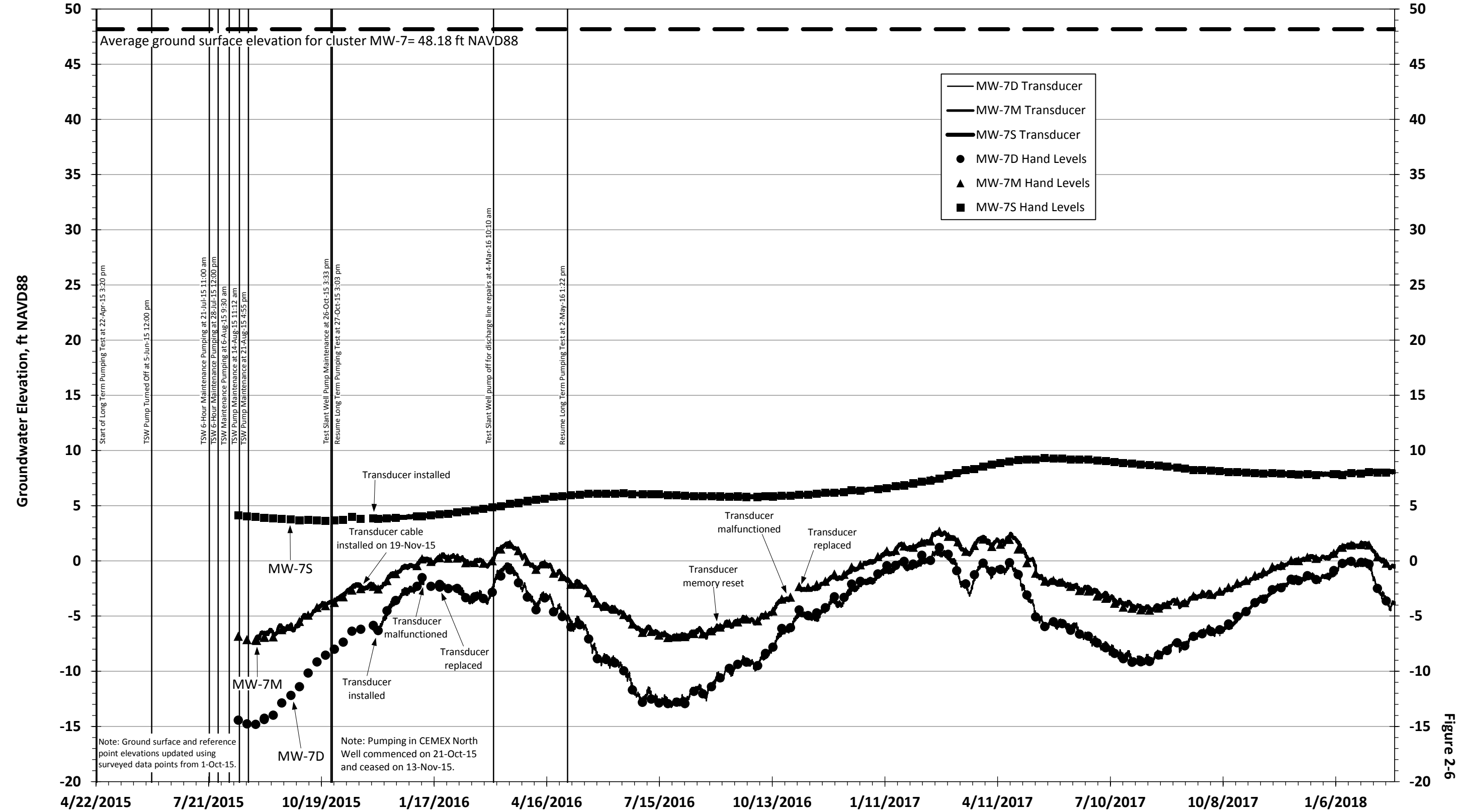


Figure 2-4

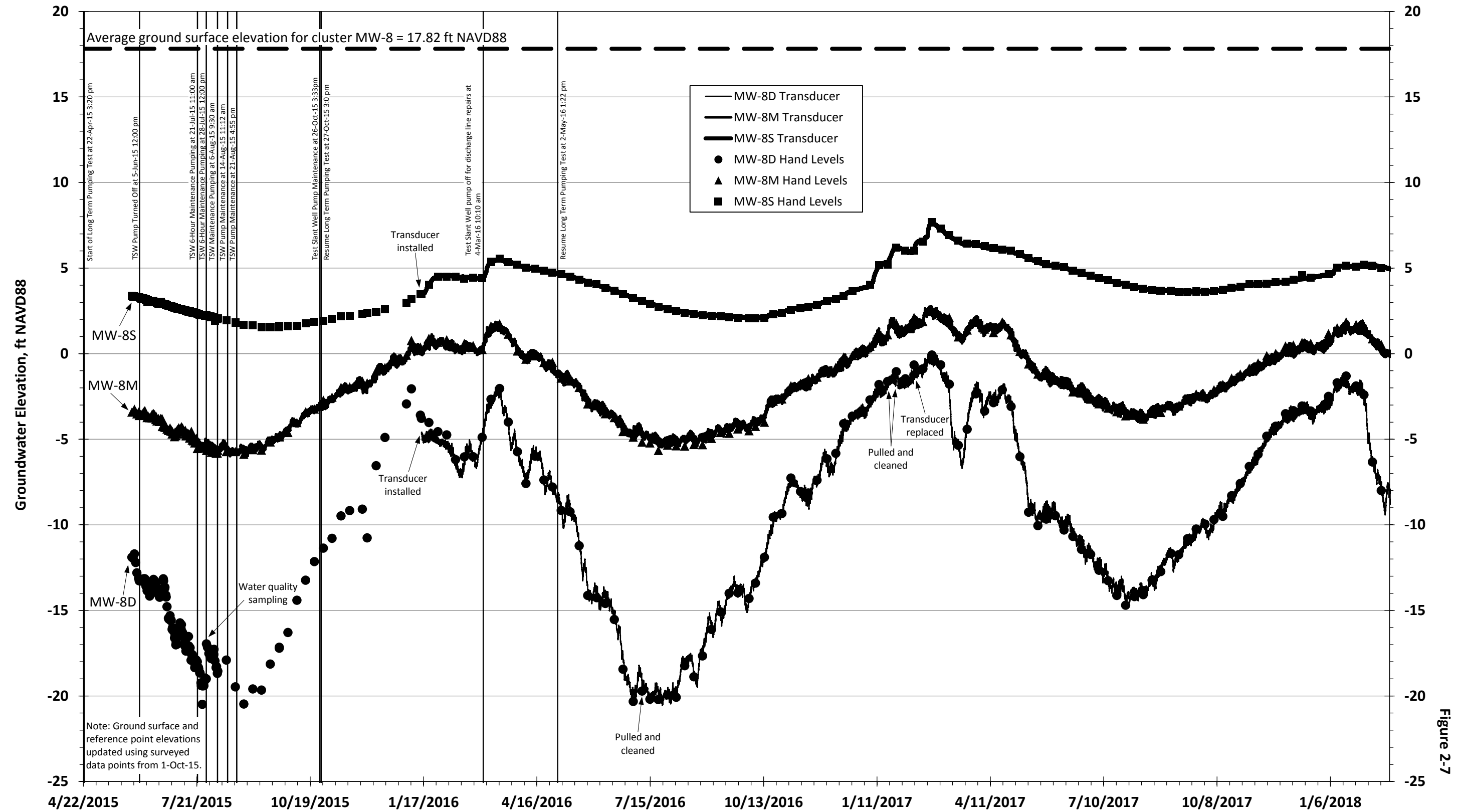
Groundwater Elevation in MPWSP MW-6



Groundwater Elevation in MPWSP MW-7



Groundwater Elevation in MPWSP MW-8



Groundwater Elevation in MPWSP MW-9

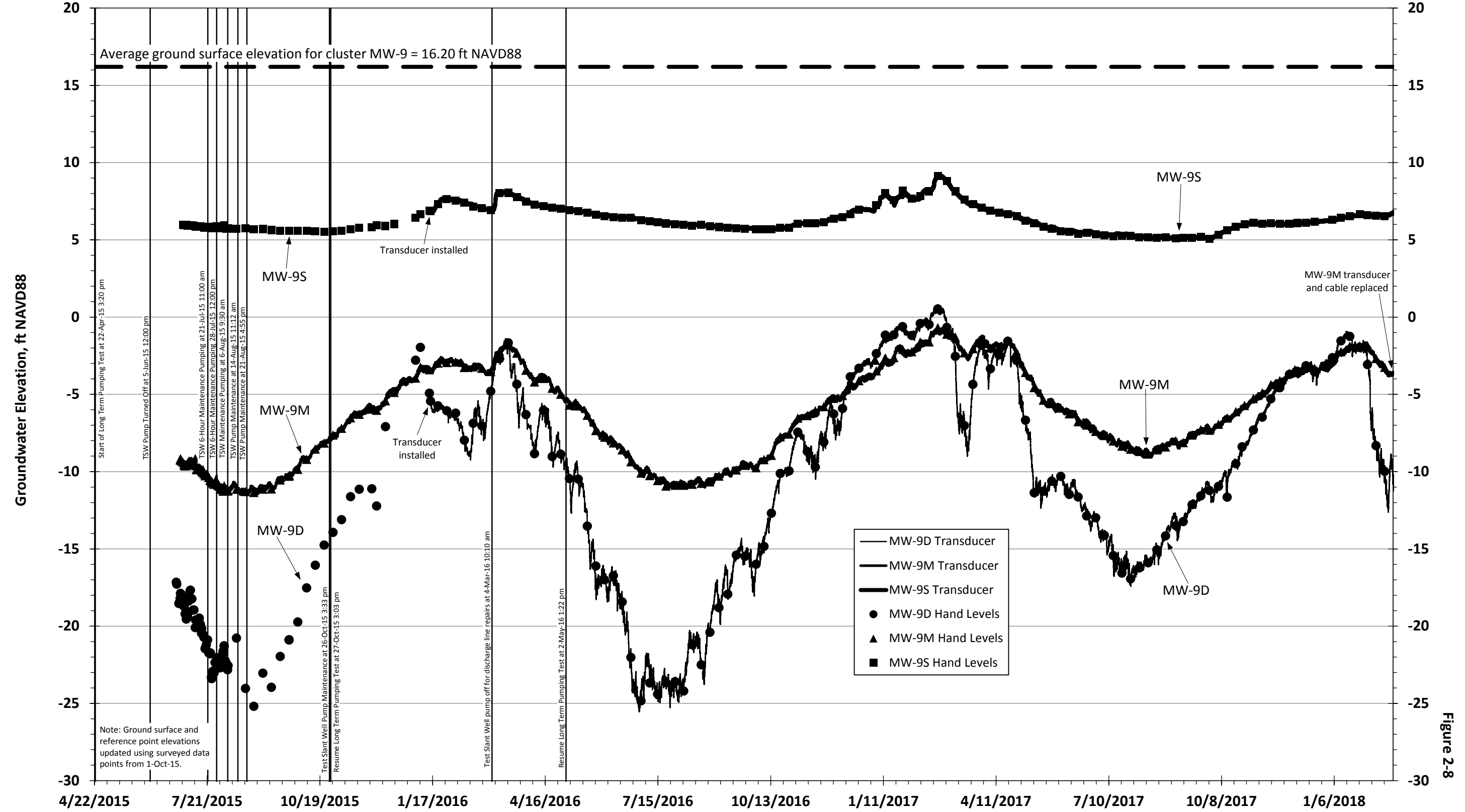


Figure 2-8

Groundwater Elevation in Monterey Regional Water Pollution Control Agency Wells

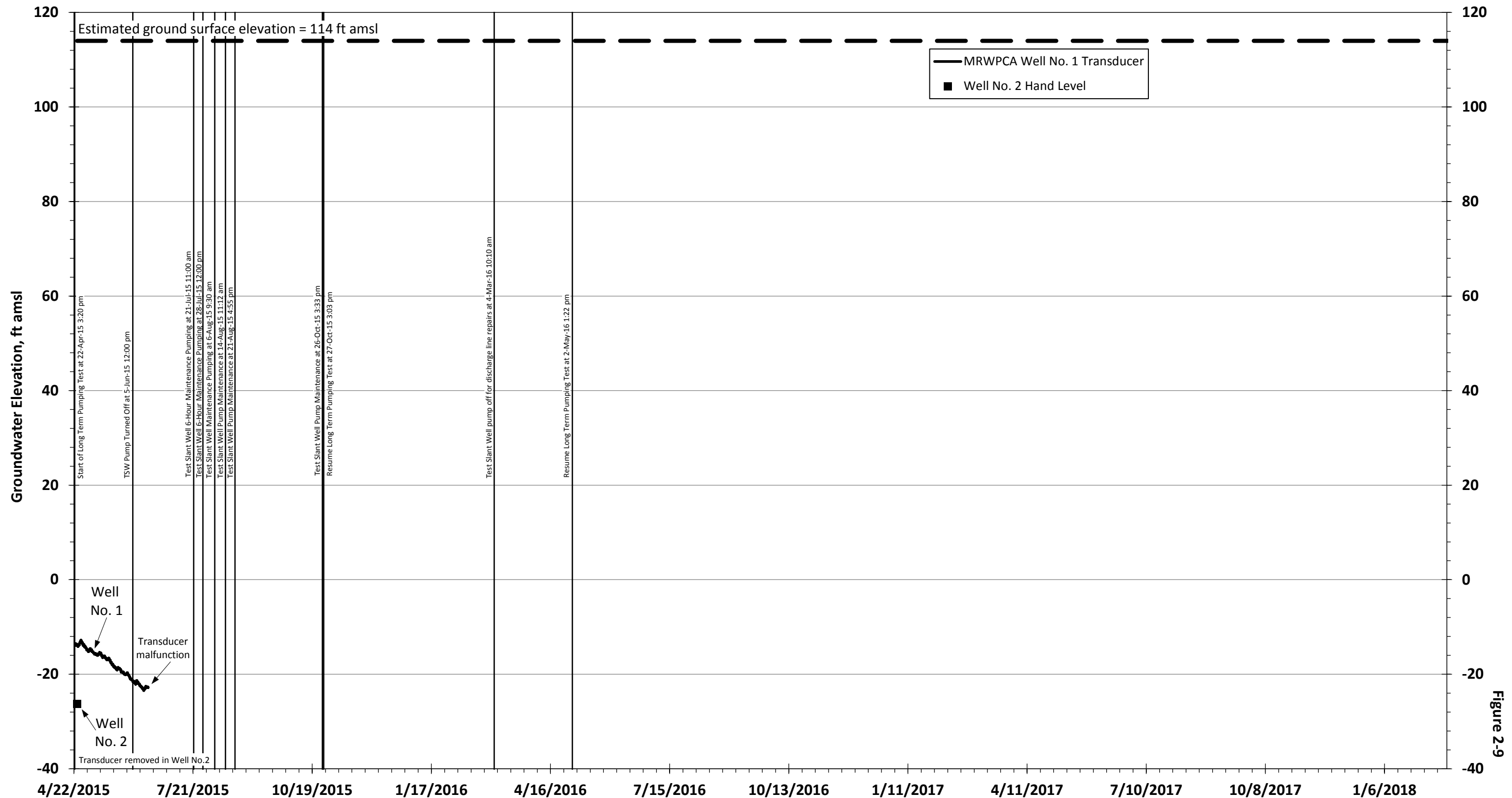
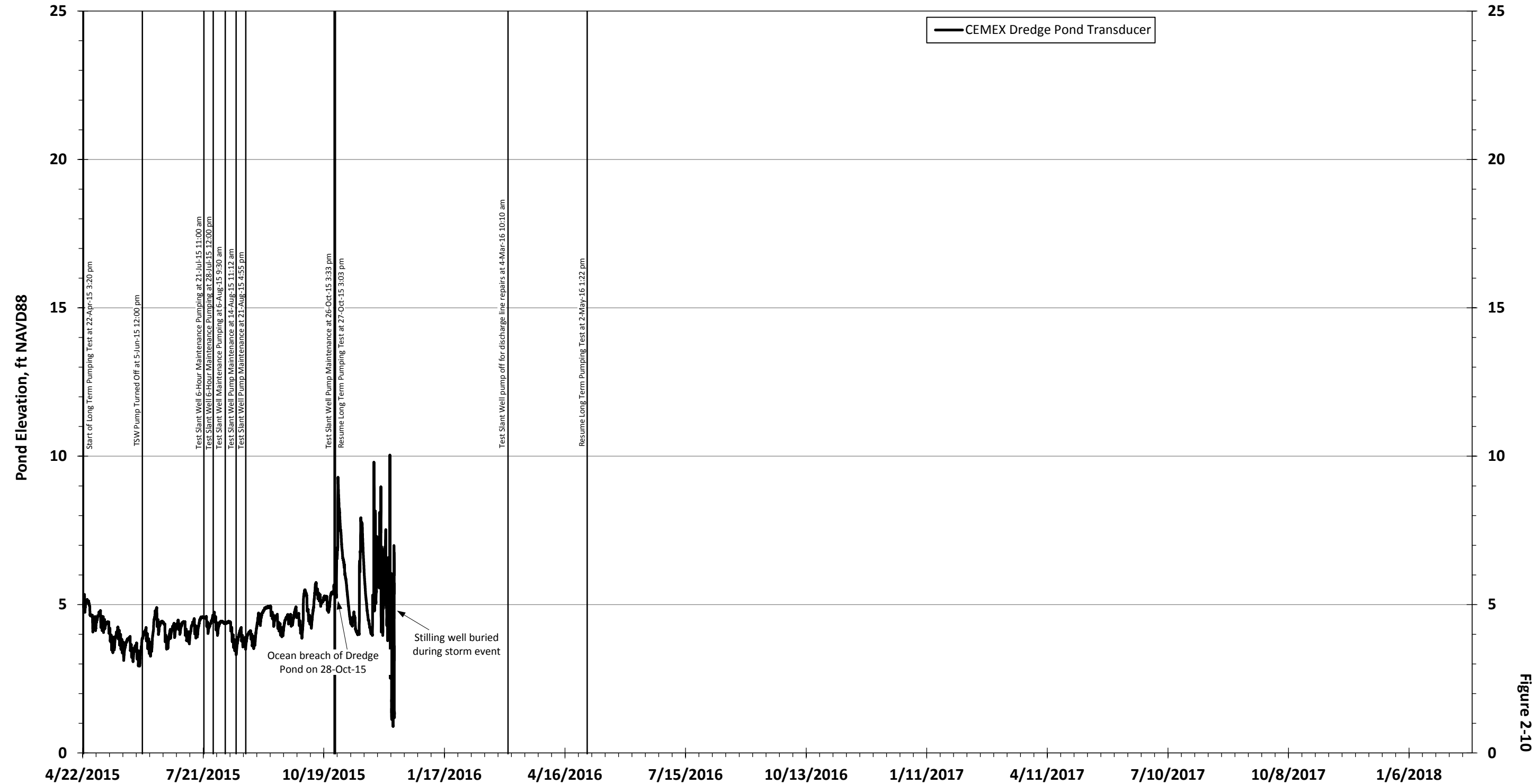


Figure 2-9

Surface Water Elevation in CEMEX Dredge Pond



Groundwater Elevation in CEMEX North Well

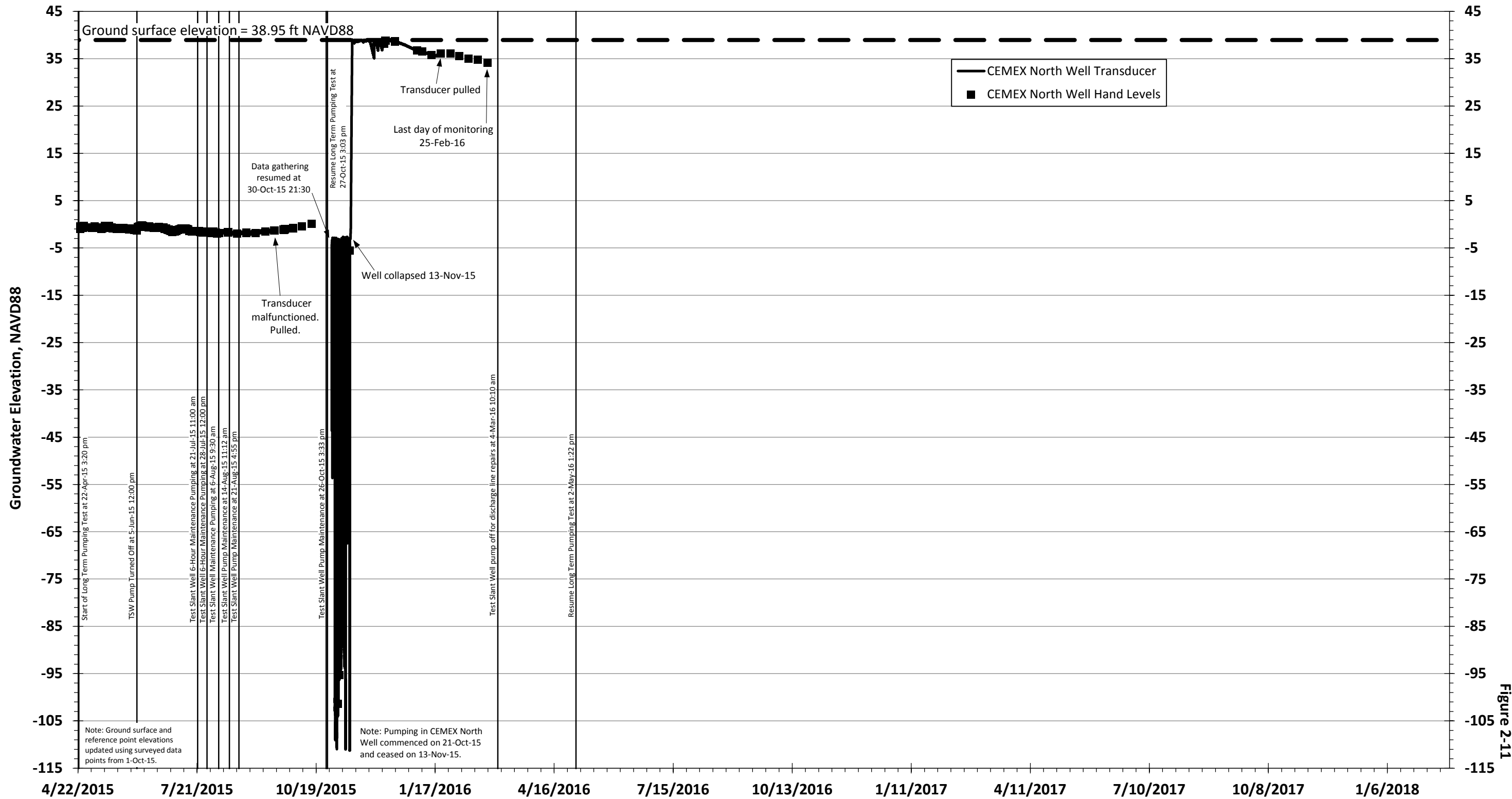


Figure 2-11

Groundwater Elevation, ft NAVD88

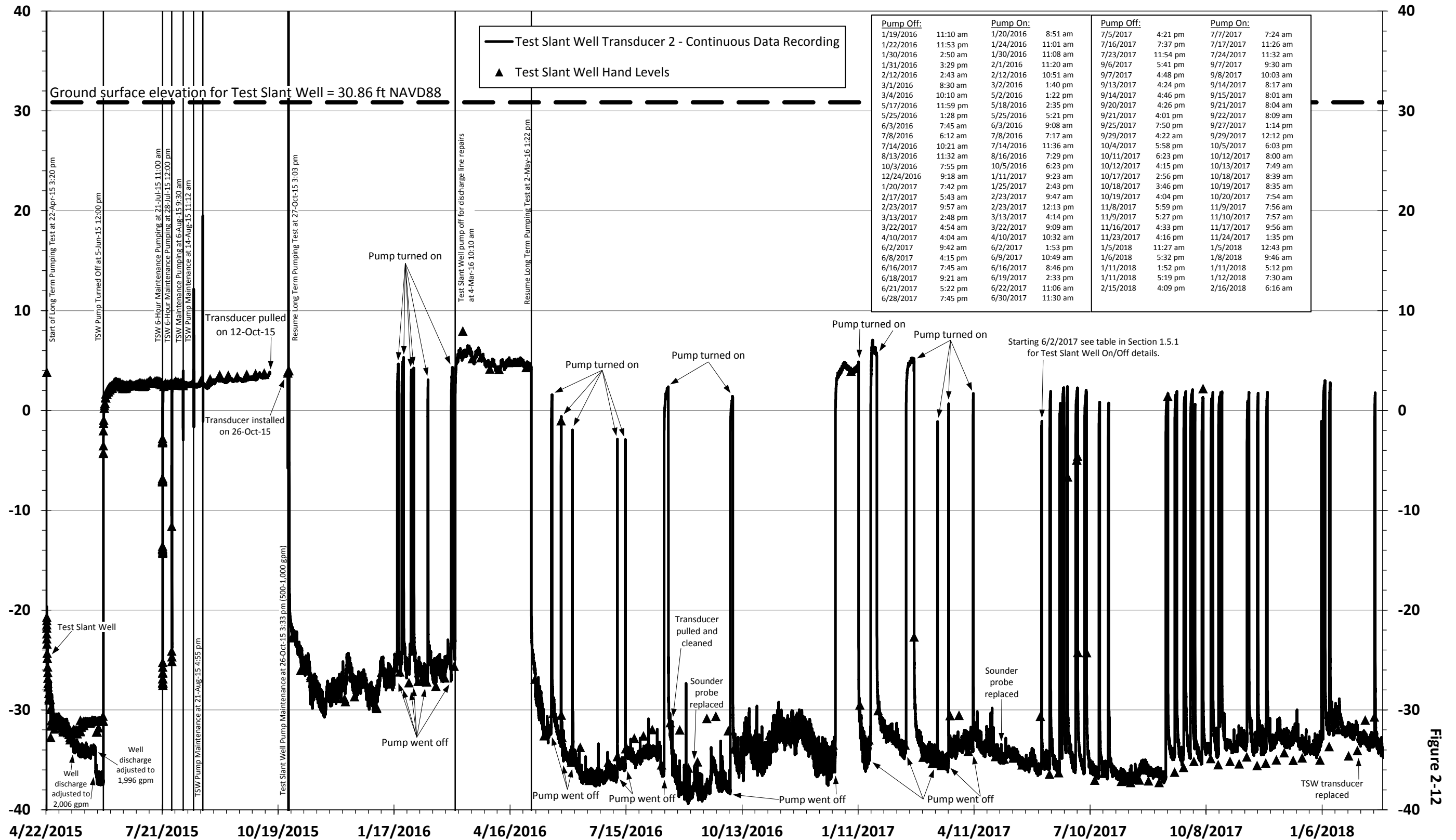


Figure 2-12

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

Specific Conductivity in MPWSP MW-3

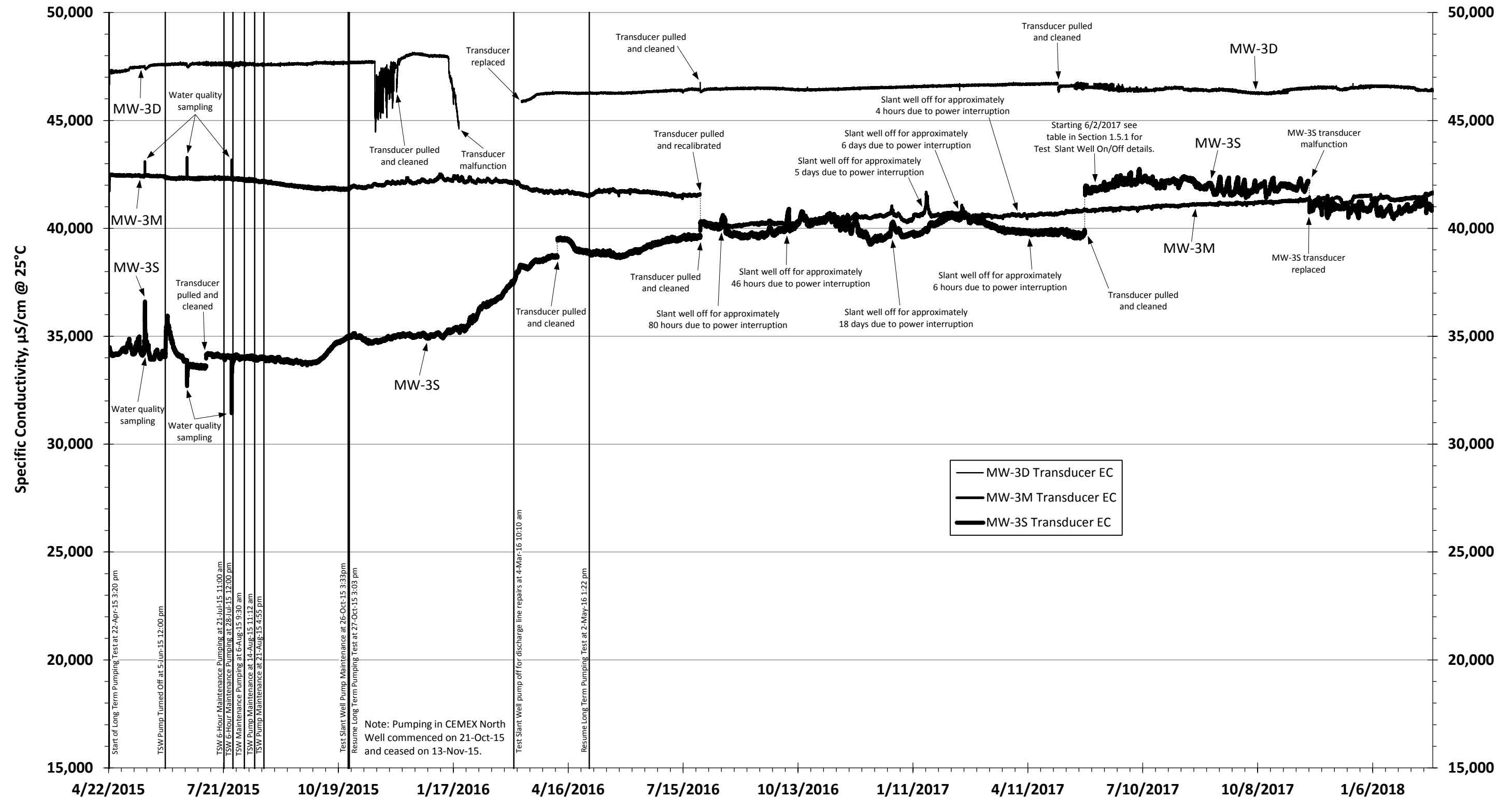
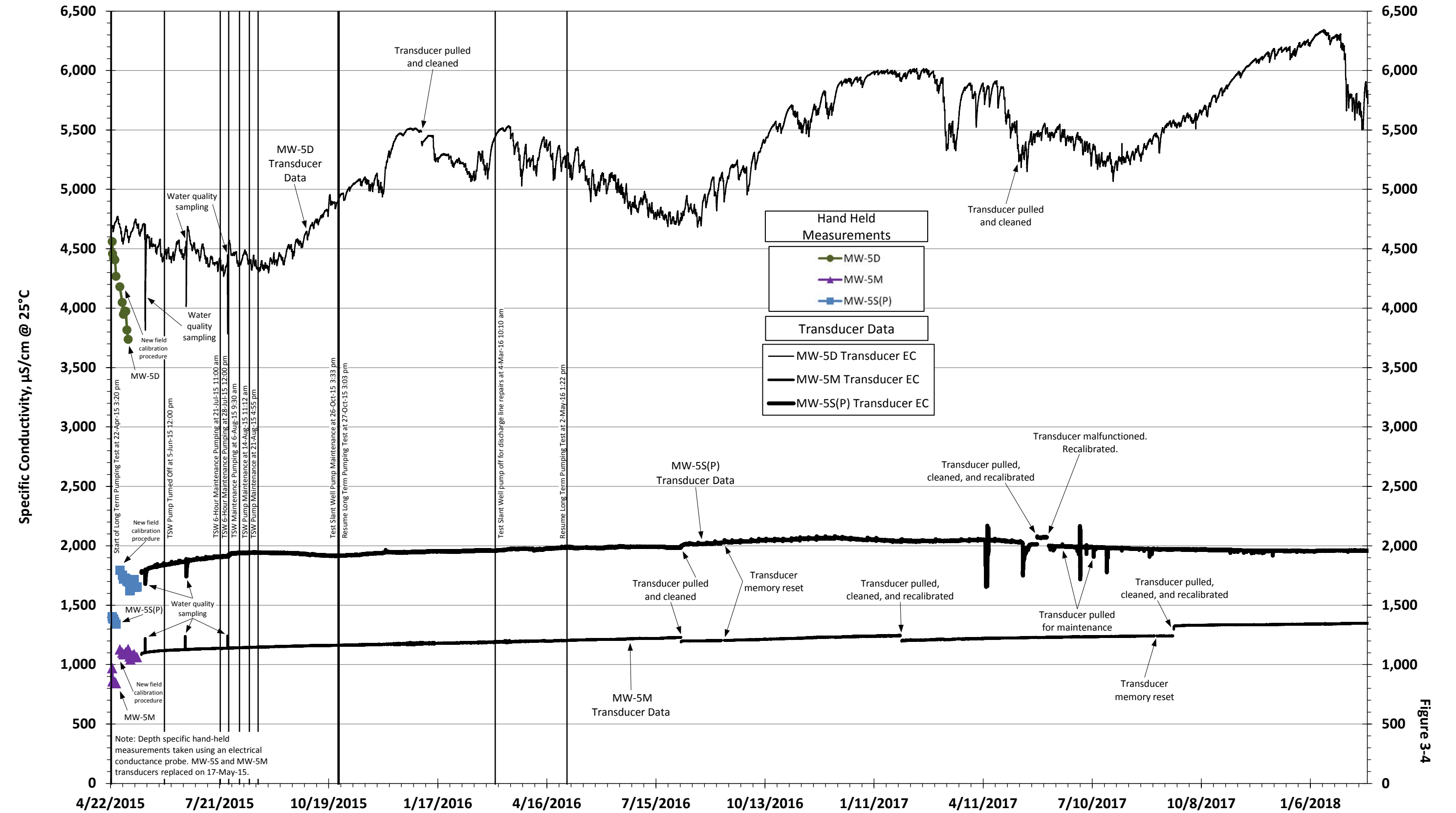


Figure 3-2

Monitoring Report No. 145



Specific Conductivity in MPWSP MW-5



Specific Conductivity in MPWSP MW-6

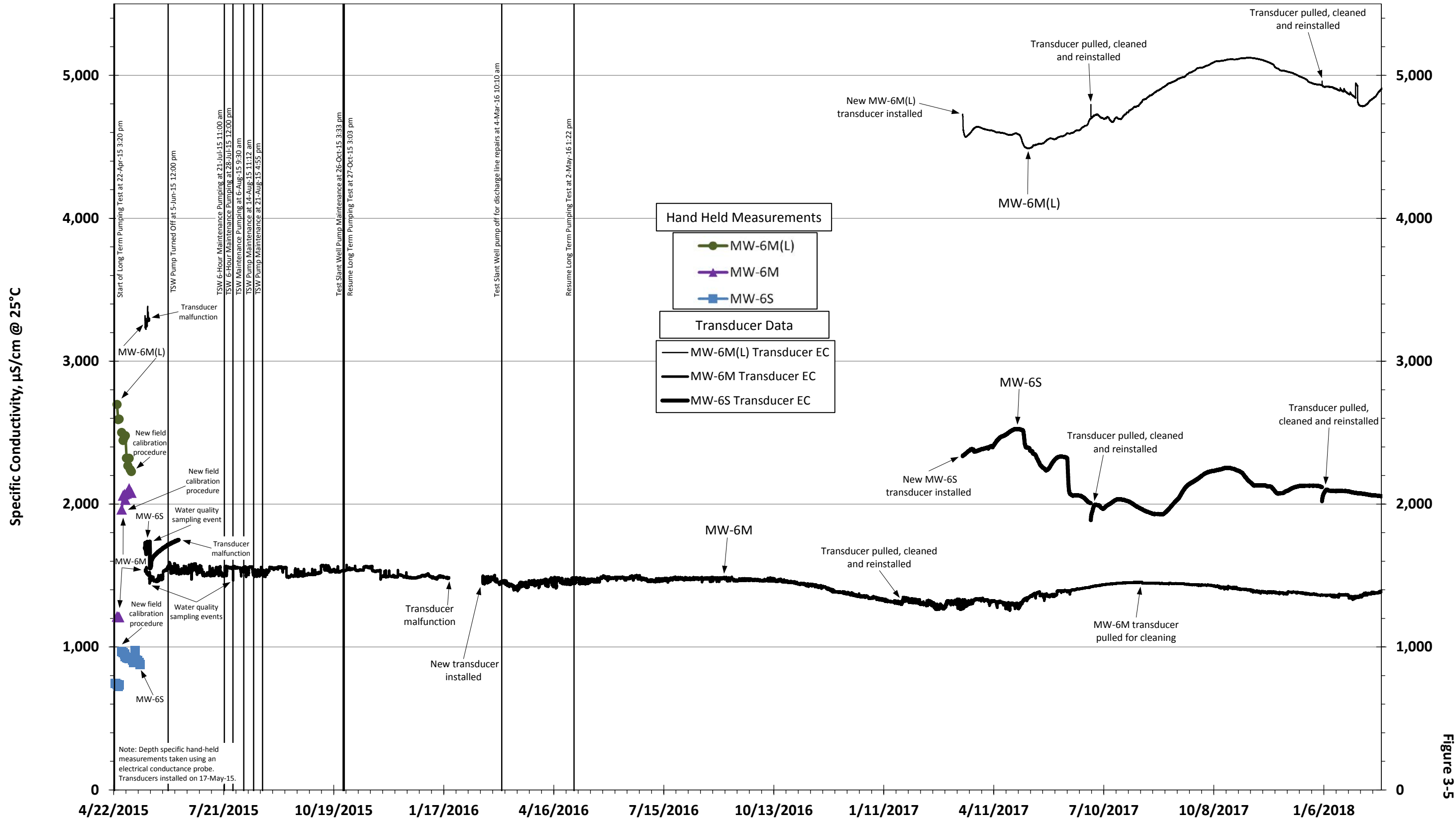


Figure 3-5

Specific Conductivity in MPWSP MW-7

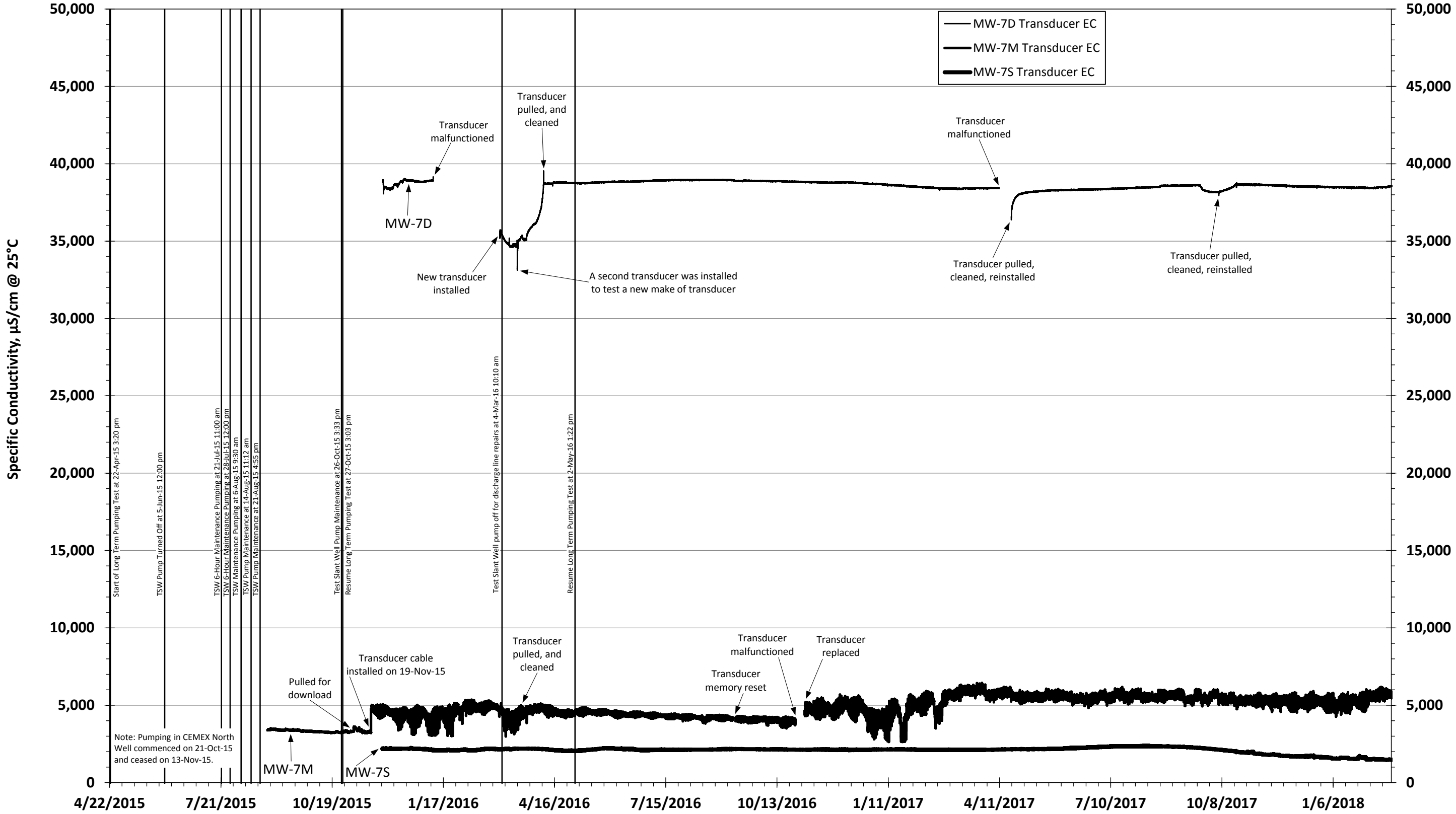


Figure 3-6

Specific Conductivity in MPWSP MW-8

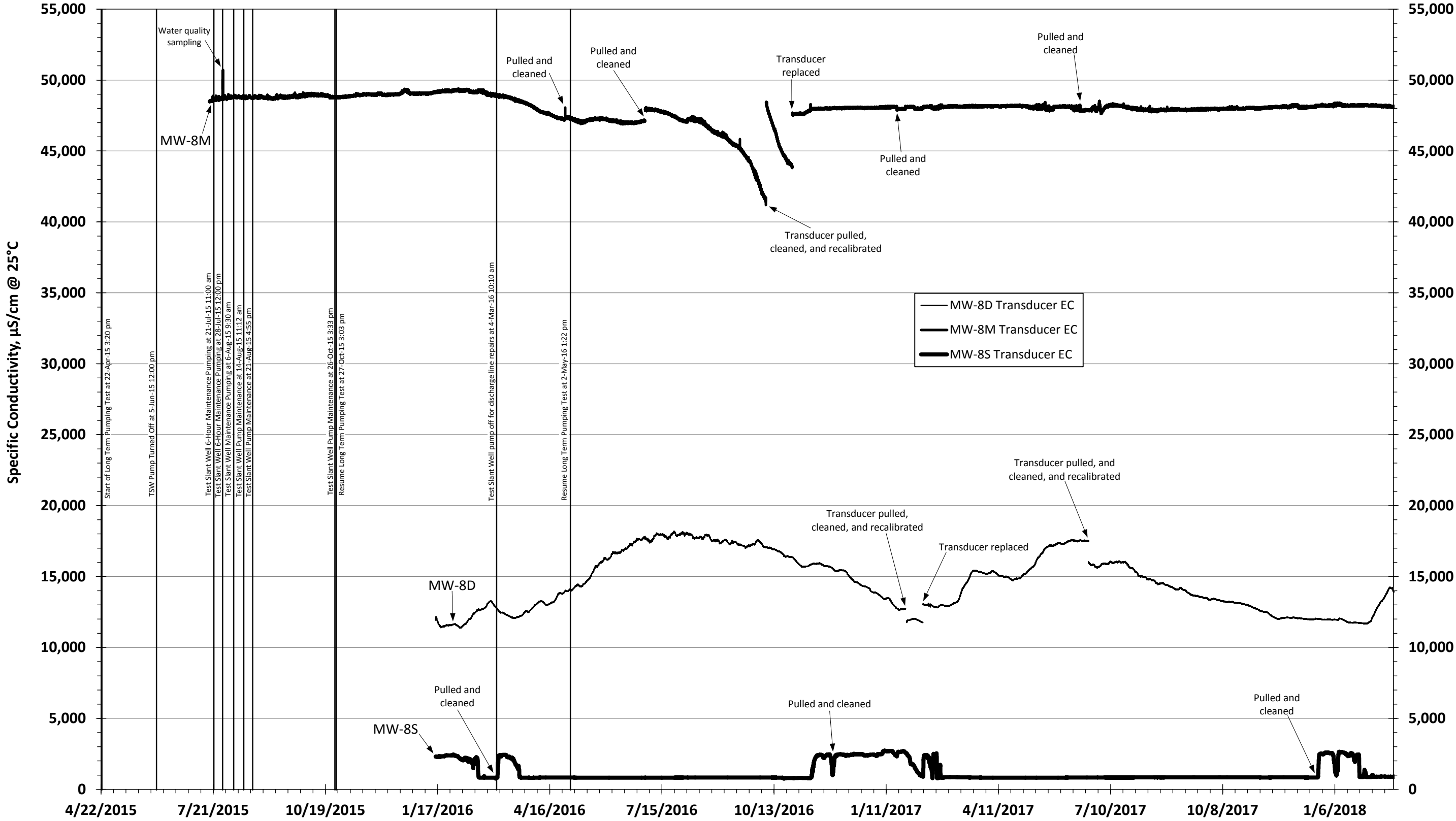


Figure 3-7

Specific Conductivity in MPWSP MW-9

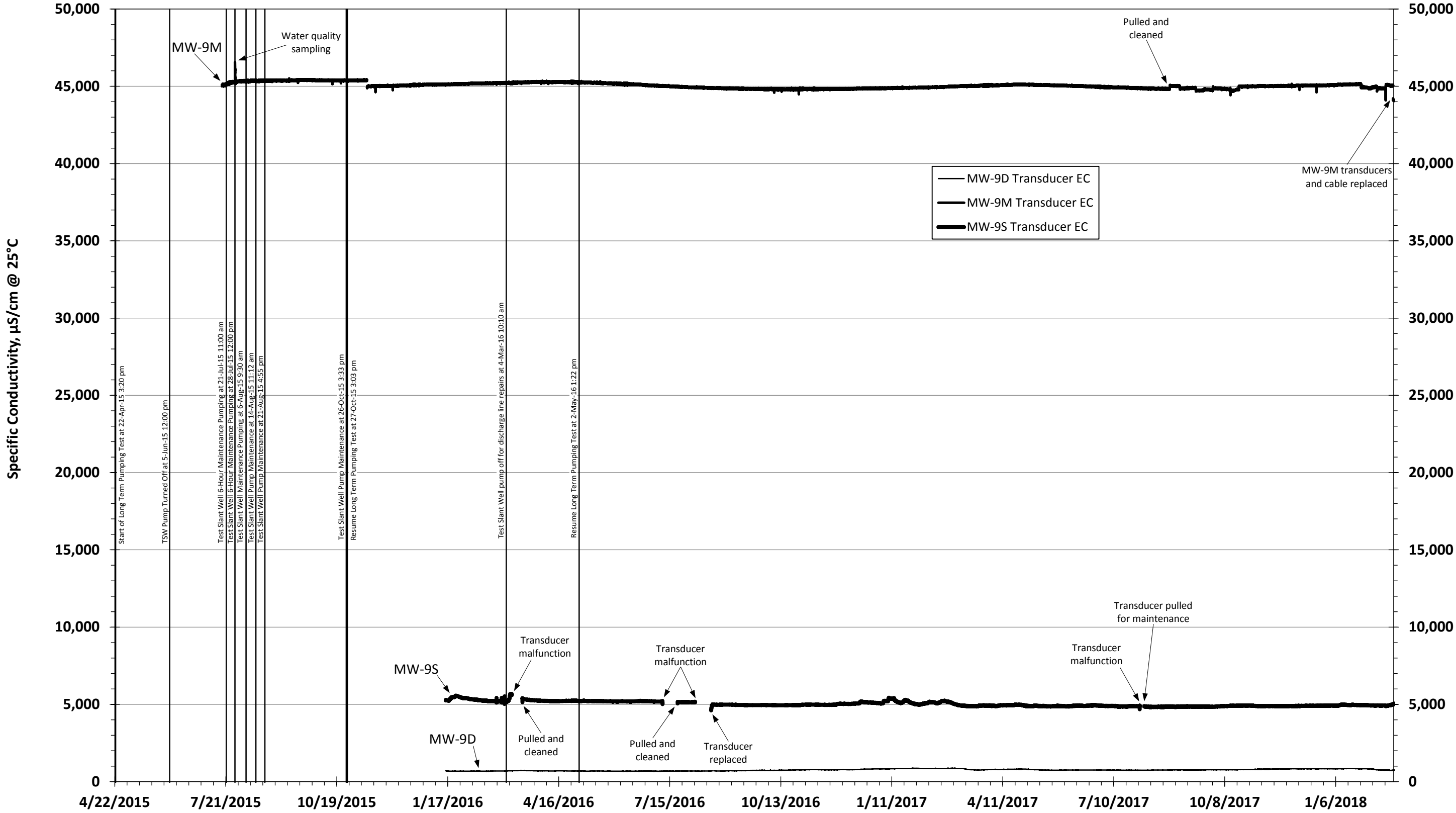


Figure 3-8

Specific Conductivity in Monterey Regional Water Pollution Control Agency Wells

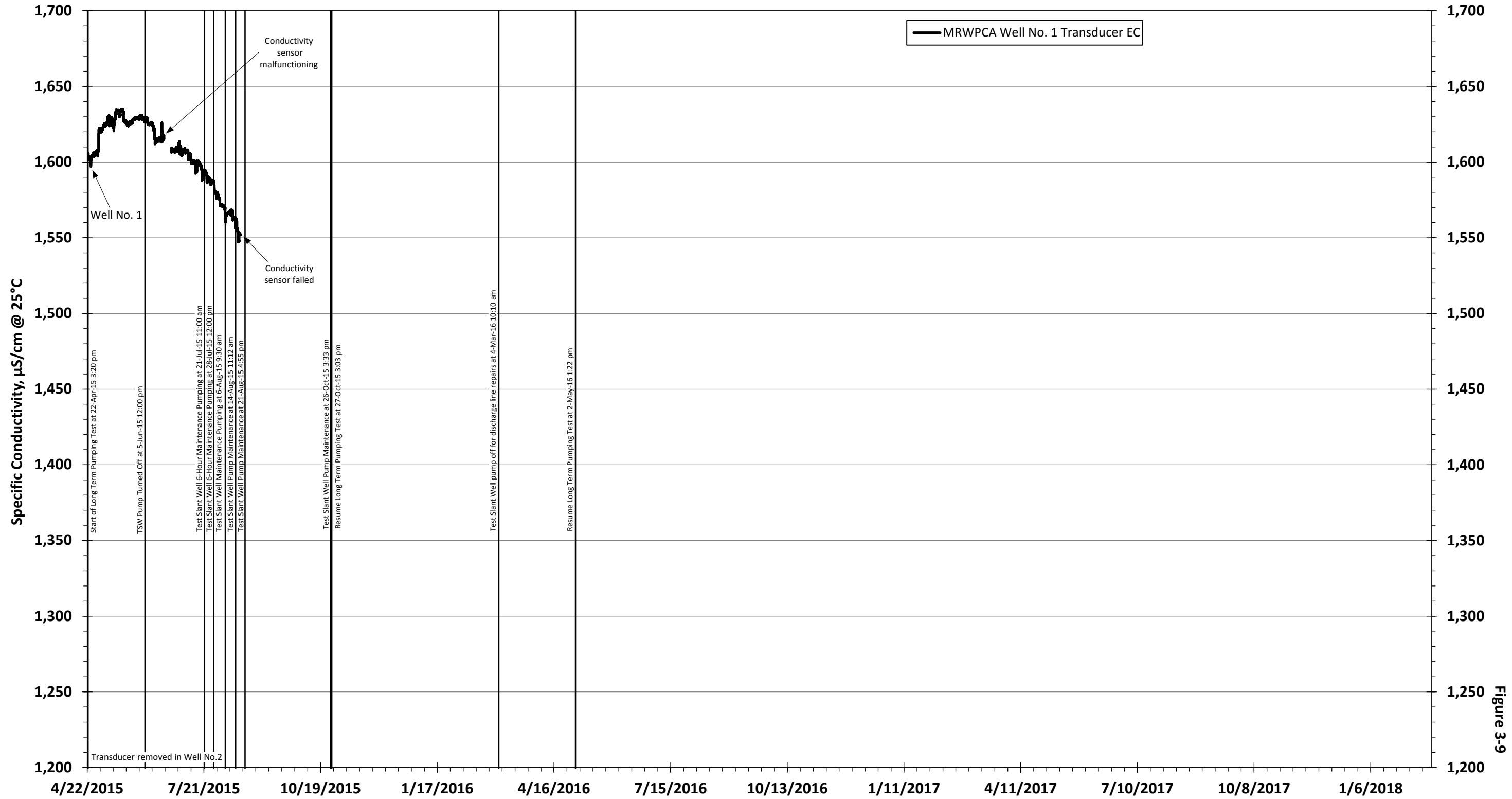


Figure 3-9

Specific Conductivity in CEMEX Dredge Pond

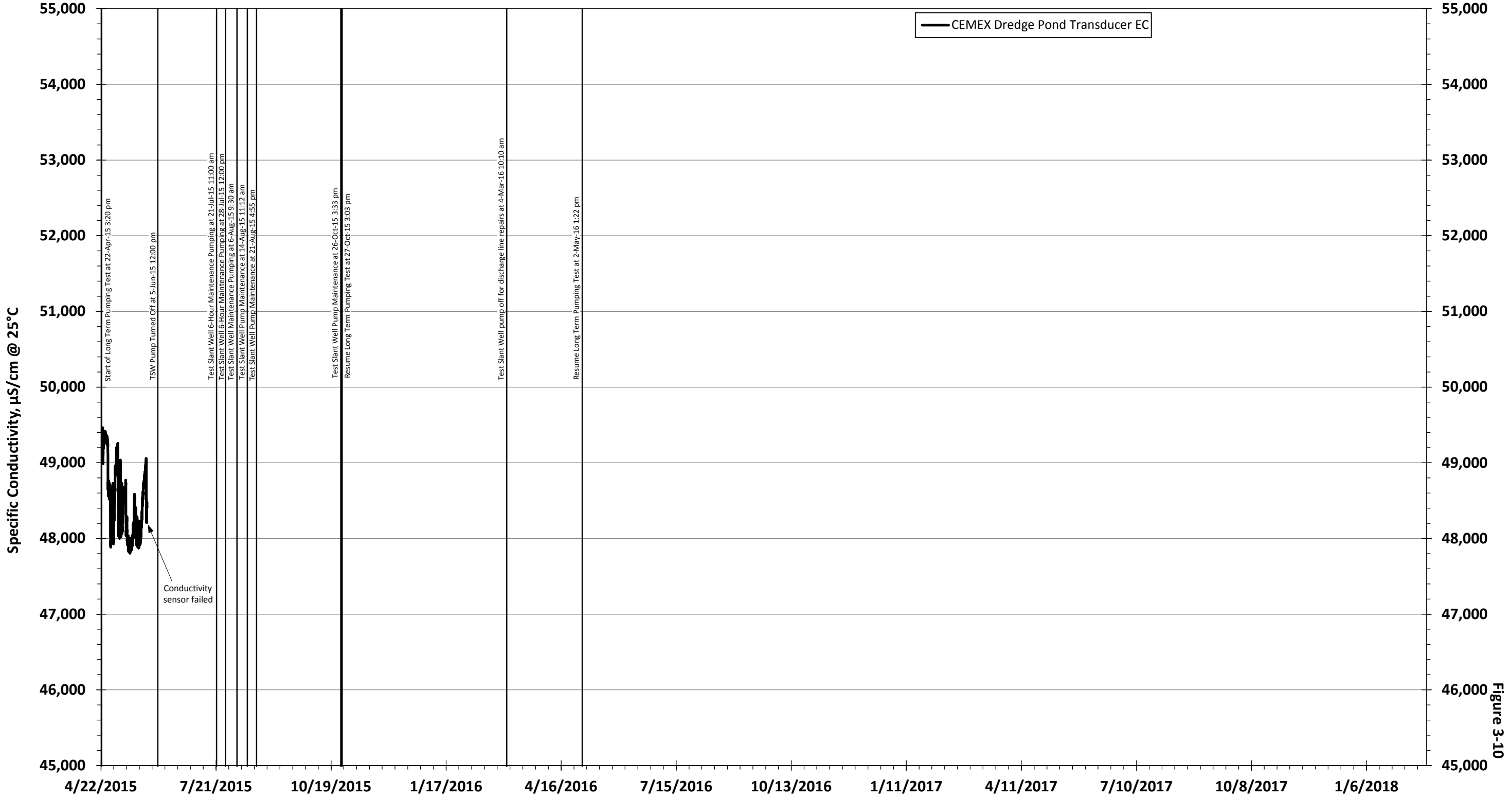


Figure 3-10

Specific Conductivity in CEMEX North Well

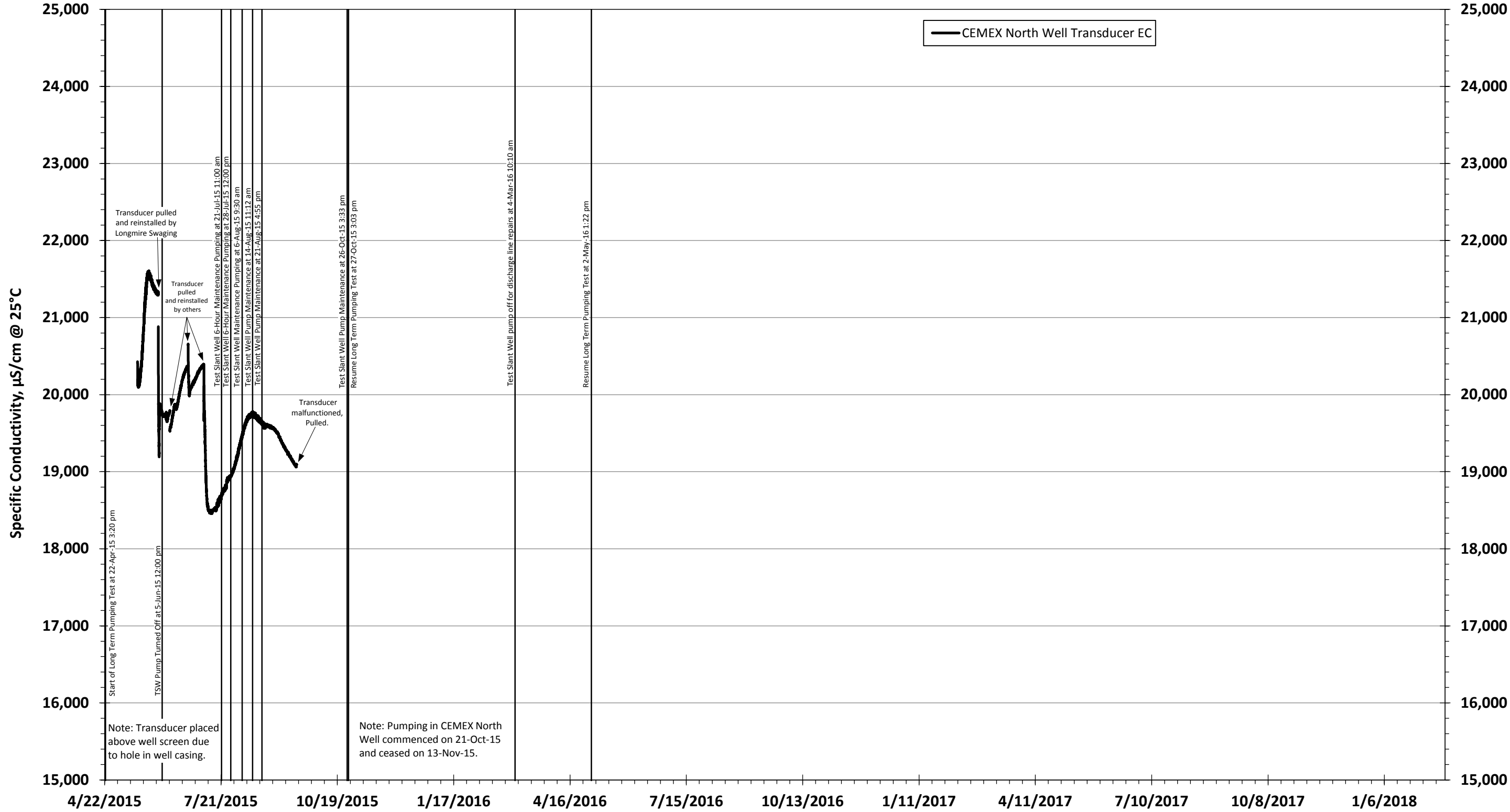


Figure 3-11

Specific Conductivity in MPWSP Test Slant Well

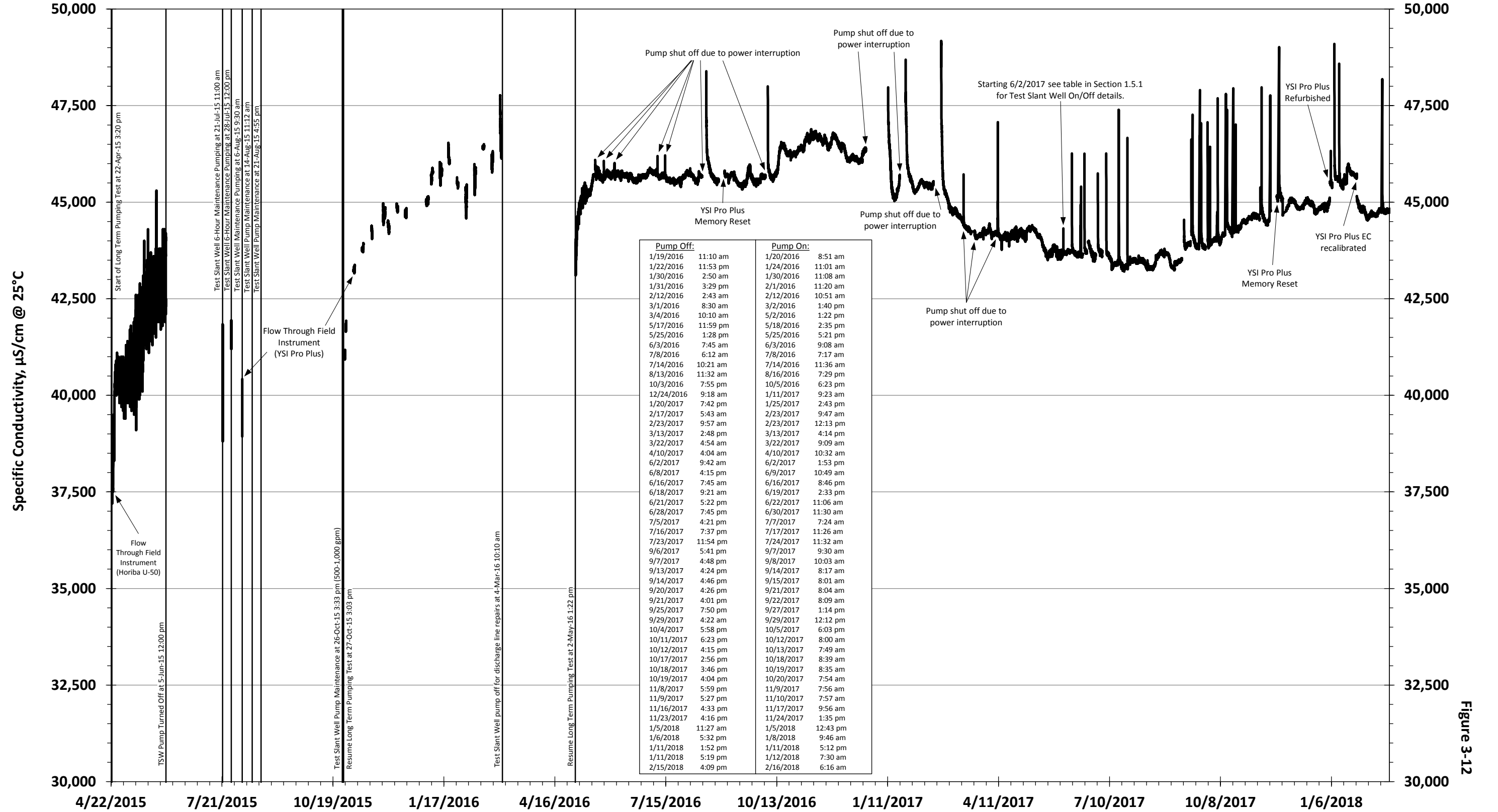


Figure 3-12

TABLES



Table 1: Well Information Table

State Plane Coordinates													
Well Name	Cluster	Reference Point (RP)	Northing	Easting	RP Elevation ft NAVD88	RP Height (ft above GS)	Distance of RP from Slant Well Head (ft)	Top of Screen Interval (ft below GS)	Bottom of Screen Interval (ft below GS)	Transducer Installed Depth (ft below RP)	Survey Date	Data Logging Start Date	Data Collected
MW-1S	MW-1	Top of ABS Transducer Mount	2,154,745.35	5,739,355.82	30.51 ¹	2.65 ¹	211	55	95	76	26-Mar-15	19-Feb-15	Level, Conductivity
MW-1M	MW-1	Top of ABS 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, Conductivity
MW-1D	MW-1	Top of ABS Transducer Mount	2,154,753.60	5,739,337.98	29.68 ¹	2.65 ¹	230	277	327	309	26-Mar-15	19-Feb-15	Level, Conductivity
MW-3S	MW-3	Top of ABS 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, Conductivity
MW-3M	MW-3	Top of ABS 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, Conductivity
MW-3D	MW-3	Top of ABS 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, Conductivity
MW-4S	MW-4	Top of ABS 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, Conductivity
MW-4M	MW-4	Top of ABS 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, Conductivity
MW-4D	MW-4	Top of ABS 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, Conductivity
MW-5S(P)	MW-5	Top of ABS Transducer Mount	2,156,239.19	5,748,566.86	80.25 ¹	2.20 ¹	9,135	43	83	71	26-Mar-15	10-Mar-15	Level, Conductivity
MW-5M	MW-5	Top of ABS Transducer Mount	2,156,230.38	5,748,564.26	80.48 ¹	2.31 ¹	9,131	100	310	171	26-Mar-15	10-Mar-15	Level, Conductivity
MW-5D	MW-5	Top of ABS 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, Conductivity
MW-6S	MW-6	Top of ABS Transducer Mount	2,141,142.87	5,756,164.01	35.89	2.45 ¹	21,436	30	60	54	1-Oct-15	22-Apr-15	Level, Conductivity
MW-6M	MW-6	Top of ABS Transducer Mount	2,141,138.40	5,756,154.35	35.68	2.44 ¹	21,431	150	210	184	1-Oct-15	22-Apr-15	Level, Conductivity
MW-6M(L)	MW-6	Top of ABS Transducer Mount	2,141,133.06	5,756,144.94	35.82	2.42 ¹	21,427	255	325	315	1-Oct-15	22-Apr-15	Level, Conductivity
MW-7S	MW-7	Top of ABS 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, Conductivity
MW-7M	MW-7	Top of ABS 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, Conductivity
MW-7D	MW-7	Top of ABS 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, Conductivity
MW-8S	MW-8	Top of ABS Transducer Mount	2,159,440.33	5,744,871.52	19.96	2.14 ³	7,116	40	80	61	1-Oct-15	30-May-15	Level, Conductivity
MW-8M	MW-8	Top of ABS Transducer Mount	2,159,430.86	5,744,866.05	19.99	2.17 ²	7,106	125	215	181	1-Oct-15	30-May-15	Level, Conductivity
MW-8D	MW-8	Top of ABS Transducer Mount	2,159,421.47	5,744,861.04	20.08	2.10 ³	7,096	300	350	326	1-Oct-15	30-May-15	Level, Conductivity
MW-9S	MW-9	Top of ABS Transducer Mount	2,162,010.77	5,747,345.03	18.42	2.16 ³	10,677	30	110	71	1-Oct-15	1-Jul-15	Level, Conductivity
MW-9M	MW-9	Top of ABS Transducer Mount	2,162,016.58	5,747,353.64	18.32	2.13 ²	10,687	145	225	182	1-Oct-15	29-Jun-15	Level, Conductivity
MW-9D	MW-9	Top of ABS Transducer Mount	2,162,022.89	5,747,362.25	18.32	2.15 ³	10,697	353	393	377	1-Oct-15	26-Jun-15	Level, Conductivity
Well No. 1 ⁴	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, Conductivity
Well No. 2 ⁴	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, Conductivity
CEMEX Dredge Pond	CEMEX	Top of ABS Transducer Mount	2,155,912.41	5,739,497.26	14.14	8.92 [*]	1,212	-	-	-	26-Mar-15	8-Mar-15	Level, Conductivity
Test Slant Well	CEMEX	Near Ground Surface	2,154,702.56	5,739,561.92	30.86	0	0	46 ^{**}	231 ^{**}	305MD	26-Mar-15	1-Apr-15	Level, 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, Conductivity
CEMEX South Well ^d	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	¹ RP/elevation change on May 17, 2015 - New caps	MD: Measured Depth - lineal feet along the angle of the slant well
Vertical Datum:	NAVD88	² 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)		³ 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		⁴ 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 ¹	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	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.

¹ 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 ¹	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.

¹ 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 ¹	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
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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.

¹ 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 ¹	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 351.1	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	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	-	-	-	-	-	-	-	-	-	-

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quality reports for RL and PQL values.

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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 ¹	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.

¹ 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 ¹	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	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
Meq/L = Milliequivalents per Liter
mg/L = Milligrams per Liter
NTU = Nephelometric Turbidity Units
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matrix interference caused by high chloride levels. The overstated
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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 ¹	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.

¹ 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 ¹	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
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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.

¹ 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 ¹	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	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
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.

¹ 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	28-Sep-17	4-Oct-17	11-Oct-17	17-Oct-17	25-Oct-17	1-Nov-17
Constituent	Method	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Alkalinity, Total (as CaCO3)	SM2320B	mg/L	114	115	114	114	112	113	114	113	112	113
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 ¹	EPA 200.8	µg/L	-	-	-	-	-	-	-	-	-	-
Arsenic, Total	EPA 1640	µg/L	0.23	0.22	0.22	0.24	0.24	0.21	0.20	0.20	0.23	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	139	140	139	139	137	138	139	138	137	138
Boron, Dissolved	EPA 200.7	mg/L	3.39	3.68	3.80	2.67	3.20	3.00	3.30	3.00	3.00	2.52
Bromide, Dissolved	EPA 300.0	mg/L	53.2	56.1	56.1	53.7	56.0	56.0	57.7	57.8	55.5	55.3
Calcium	EPA 200.7	mg/L	759	404	535	535	520	440	476	580	447	392
Calcium, Dissolved	EPA 200.7	mg/L	824	456	499	515	450	410	502	458	447	400
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	16,661	16,432	16,200	16,100	16,500	16,100	16,500	17,100	17,000	16,400
Chlorinated Pesticides and PCB (EPA 508)	EPA 508	µg/L	-	-	-	-	-	-	-	-	-	-
Color, Apparent (Unfiltered)	SM2120B	Color Units	ND	ND	ND	ND	ND	3	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	520.32	512.79	506.32	503.25	515.78	504.91	515.40	532.93	531.32	513.36
Total Anions	Calculation	Meq/L	520.32	512.79	506.32	503.25	515.78	504.91	515.40	532.93	531.32	513.36
Dissolved Cations	Calculation	Meq/L	497.84	515.38	516.67	517.83	447.57	458.17	512.27	482.68	473.64	506.73
Total Cations	Calculation	Meq/L	508.00	529.94	548.05	516.68	521.57	460.18	488.57	506.41	459.71	496.32
Fluoride, Dissolved	EPA 300.0	mg/L	0.6	0.5	0.6	0.7	0.5	0.7	0.7	0.7	0.7	0.6
Hardness (as CaCO3)	SM2340B/Calc	mg/L	6,200	5,750	6,210	5,980	6,240	5,220	5,260	5,780	4,870	4,770
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	214	226	170	153	200	169	172	171	192	227
Magnesium	EPA 200.7	mg/L	1,068	1,030	1,180	1,130	1,200	1,000	988	1,050	1,020	921
Magnesium, Dissolved	EPA 200.7	mg/L	1,024	918	1,120	1,110	990	1,000	1,050	1,020	1,030	932
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	1.2	1.3	1.6	1.4	1.5	1.2	1.2	1.2	1.3	1.2
Nitrate as NO3	EPA 300.0	mg/L	5	6	7	6	7	5	6	5	6	5
Nitrate+Nitrite as N	EPA 300.0	mg/L	1.2	1.3	1.6	1.4	1.5	1.2	1.2	1.2	1.3	1.2
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	2	1	1	1	2	4	1	1
o-Phosphate-P	Hach 8048 & EPA 365.1	mg/L	0.08	0.07	0.08	0.08	0.07	0.07	0.08	0.08	0.07	0.07
pH (Field Test)	SM4500-H+B	pH	7.00	7.01	7.17	7.17	7.06	7.04	7.04	7.30	7.05	7.04
pH (Laboratory)	SM4500-H+B	pH (H)	7.4	7.2	7.2	7.2	7.2	6.7	7.2	7.2	7.1	7.1
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	0.07	0.07	0.08	0.08	0.08	0.08
Potassium	EPA 200.7	mg/L	279	290	311	283	380	310	266	340	251.0	285
Potassium, Dissolved	EPA 200.7	mg/L	269	269	283	295	510	460	279	274	254.0	284
QC Ratio TDS/SEC	Calculation	-	0.67	0.68	0.68	0.66	0.67	0.66	0.69	0.70	0.70	0.68
Reg. Org. Compounds (EPA 525)	EPA 525	µg/L	-	-	-	-	-	-	-	-	-	-
Salinity	SM2520B	psu	28.2	28.2	28.4	28.4	28.4	28.4	28.5	28.4	28.6	28.8
Silica as SiO2, Dissolved	EPA 200.7	mg/L	14	12	10	13	13	13	9	ND	ND	19
Sodium	EPA 200.7	mg/L	8,623	9,600	9,570	8,960	8,900	8,000	8,660	8,790	7,980	9,050
Sodium, Dissolved	EPA 200.7	mg/L	8,404	9,430	9,020	9,040	7,600	7,900	9,050	8,480	8,270	9,260
Specific Conductance (E.C)	SM2510B	µmhos/cm	43,710	43,810	44,080	44,030	44,080	44,100	44,130	44,080	44,350	44,590
Specific Conductance (E.C) (Field)	SM2510B	µmhos/cm	43,261	43,510	43,920	43,820	43,860	44,050	44,170	44,160	44,510	44,590
Strontium, Dissolved	EPA 200.8	µg/L	6,822	7,060	6,510	5,900	7,770	8,280	7,700	7,770	7,180	7,120
Sulfate, Dissolved	EPA 300.0	mg/L	2,271	2,262	2,220	2,210	2,270	2,290	2,250	2,280	2,340	2,290
Temperature (Field)	SM2550	° C	15.9	16.0	16.1	16.3	16.2	16.1	16.1	16.2	16.2	16.2
Total Diss. Solids	SM2540C	mg/L	29,400	29,700	29,800	29,100	29,700	29,300	30,600	30,900	31,100	30,300
Turbidity	EPA 180.1	NTU	0.10	0.20	0.15	0.35	0.15	0.15	0.30	0.10	0.15	0.05
Turbidity (Field)	EPA 180.1	NTU	0.20	0.18	0.05	0.07	0.14	0.28	0.08	0.08	0.35	0.20
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
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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.

¹ 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:			8-Nov-17	15-Nov-17	22-Nov-17	30-Nov-17	6-Dec-17	13-Dec-17	20-Dec-17	4-Jan-18	10-Jan-18	17-Jan-18
Constituent	Method	Units	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Alkalinity, Total (as CaCO3)	SM2320B	mg/L	112	112	113	112	111	112	112	112	104	111
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 ¹	EPA 200.8	µg/L	-	-	-	-	-	-	-	-	-	-
Arsenic, Total	EPA 1640	µg/L	0.25	0.26	0.28	0.25	0.25	0.26	0.25	0.24	0.24	0.27
Barium, Dissolved	EPA 200.8	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bicarbonate (as HCO3-)	SM2320B	mg/L	137	137	138	137	135	137	137	137	127	135
Boron, Dissolved	EPA 200.7	mg/L	3.50	3.60	3.10	3.60	3.1	3.3	3.4	3.7	3.8	3.82
Bromide, Dissolved	EPA 300.0	mg/L	56.2	53.2	52.3	52.8	53.2	58.9	59.9	58.0	55.9	54.4
Calcium	EPA 200.7	mg/L	565	509	484	746	479	414	447	730	442	473
Calcium, Dissolved	EPA 200.7	mg/L	542	496	496	710	466	478	485	745	496	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	16,400	16,200	17,200	16,800	16,400	16,400	17,100	17,100	16,500	16,500
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	513.14	508.09	541.29	525.62	513.69	513.37	533.76	537.72	515.79	516.32
Total Anions	Calculation	Meq/L	513.14	508.09	541.29	525.62	513.69	513.37	533.76	537.72	515.79	516.32
Dissolved Cations	Calculation	Meq/L	512.96	491.61	467.56	510.36	490.44	510.03	522.47	517.31	498.00	509.74
Total Cations	Calculation	Meq/L	548.24	458.49	463.09	507.82	494.33	480.40	478.29	536.73	510.55	520.15
Fluoride, Dissolved	EPA 300.0	mg/L	0.7	0.9	0.7	0.5	0.6	0.9	0.7	0.4	0.8	0.5
Hardness (as CaCO3)	SM2340B/Calc	mg/L	6,250	5,440	5,060	6,290	4,820	5,030	5,180	6,510	5,370	5,930
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	160	176	162	136	177	118	199	174	176	252
Magnesium	EPA 200.7	mg/L	1,180	969	936	1,070	1,050	972	987	1,140	1,040	1,150
Magnesium, Dissolved	EPA 200.7	mg/L	1,110	1,080	942	1,100	1,040	1,020	1,050	1,200	1,070	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	1.1	1.2	1.0	1.0	0.9	1.1	1.2	1.4	1.1	1.0
Nitrate as NO3	EPA 300.0	mg/L	5	5	ND	4.3	4	5	5	6	5	4
Nitrate+Nitrite as N	EPA 300.0	mg/L	1.1	1.2	1.0	1.0	0.9	1.1	1.2	1.4	1.1	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	2	1	1	1	1	1	1	1	1	1
o-Phosphate-P	Hach 8048 & EPA 365.1	mg/L	0.08	0.07	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07
pH (Field Test)	SM4500-H+B	pH	7.05	7.05	7.05	7.01	7.03	7.02	7.02	7.02	7.23	7.05
pH (Laboratory)	SM4500-H+B	pH (H)	7.2	7.1	7.2	7.6	7.0	7.2	7.2	7.1	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	0.08	0.08	0.08	0.07	0.08	0.08
Potassium	EPA 200.7	mg/L	328	262	238	275	282	272	264	297	293	322.0
Potassium, Dissolved	EPA 200.7	mg/L	307	288	251	282.0	281	284	286	319	298	322.0
QC Ratio TDS/SEC	Calculation	-	0.67	0.68	0.68	0.69	0.68	0.68	0.67	0.66	0.69	0.67
Reg. Org. Compounds (EPA 525)	EPA 525	µg/L	-	-	-	-	-	-	-	-	-	-
Salinity	SM2520B	psu	28.8	28.5	28.5	28.7	28.8	28.8	28.7	28.7	28.8	28.9
Silica as SiO2, Dissolved	EPA 200.7	mg/L	16	22	13	11	12	16	15	15	17	29
Sodium	EPA 200.7	mg/L	9,530	7,970	8,180	8,630	8,670	8,570	8,460	9,170	9,090	9,050
Sodium, Dissolved	EPA 200.7	mg/L	8,890	8,520	8,250	8,680	8,610	9,080	9,300	8,580	8,680	8,970
Specific Conductance (E.C)	SM2510B	µmhos/cm	44,530	44,190	44,130	44,420	44,600	44,610	44,460	44,450	44,530	44,680
Specific Conductance (E.C) (Field)	SM2510B	µmhos/cm	44,580	44,520	44,490	44,790	45,010	44,930	44,980	45,050	45,660	45,600
Strontium, Dissolved	EPA 200.8	µg/L	6,200	7,130	7,900	8,250	8,110	8,970	8,830	7,480	7,740	7,060
Sulfate, Dissolved	EPA 300.0	mg/L	2,280	2,310	2,550	2,300	2,310	2,290	2,320	2,510	2,280	2,300
Temperature (Field)	SM2550	° C	16.3	16.2	16.1	16.0	15.7	15.7	15.6	15.5	15.5	15.3
Total Diss. Solids	SM2540C	mg/L	29,900	30,100	30,100	30,500	30,500	30,400	29,600	29,500	30,700	29,800
Turbidity	EPA 180.1	NTU	0.10	0.15	0.15	0.10	0.10	0.10	0.15	0.15	0.10	0.30
Turbidity (Field)	EPA 180.1	NTU	0.07	0.11	0.08	0.07	0.17	0.20	0.21	0.10	0.17	0.17
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.

¹ 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:			25-Jan-18	31-Jan-18
Constituent	Method	Units	Result	Result
Alkalinity, Total (as CaCO3)	SM2320B	mg/L	111	112
Aluminum, Total	EPA 200.8	µg/L	ND	ND
Ammonia-N, Dissolved	SM4500NH3 D & EPA 350.1	mg/L	ND	ND
Arsenic, Total ¹	EPA 200.8	µg/L	-	-
Arsenic, Total	EPA 1640	µg/L	0.23	0.23
Barium, Dissolved	EPA 200.8	µg/L	ND	ND
Bicarbonate (as HCO3-)	SM2320B	mg/L	135	137
Boron, Dissolved	EPA 200.7	mg/L	3.5	3.4
Bromide, Dissolved	EPA 300.0	mg/L	52.1	49.4
Calcium	EPA 200.7	mg/L	484	465
Calcium, Dissolved	EPA 200.7	mg/L	464	487
Carbamates by HPLC (EPA 531)	EPA 531	µg/L	-	-
Carbonate as CaCO3	SM2320B	mg/L	ND	ND
Chloride, Dissolved	EPA 300.0	mg/L	16,800	16,600
Chlorinated Pesticides and PCB (EPA 508)	EPA 508	µg/L	-	-
Color, Apparent (Unfiltered)	SM2120B	Color Units	ND	ND
Copper	EPA 200.7	µg/L	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	526.03	519.31
Total Anions	Calculation	Meq/L	526.03	519.31
Dissolved Cations	Calculation	Meq/L	509.32	509.73
Total Cations	Calculation	Meq/L	489.40	477.11
Fluoride, Dissolved	EPA 300.0	mg/L	0.5	0.5
Hardness (as CaCO3)	SM2340B/Calc	mg/L	5,600	5,560
Hydroxide	SM2320B	mg/L	ND	ND
Iodide	EPA 9056M	µg/L	ND	ND
Iron	EPA 200.7	µg/L	ND	ND
Iron, Dissolved	EPA 200.7	µg/L	ND	ND
Total Kjeldahl Nitrogen, Dissolved	SM4500-NH3 B,C,E & EPA 351	mg/L	ND	ND
Lead, Total	EPA 200.8	µg/L	ND	ND
Lithium	EPA 200.8	µg/L	87	179
Magnesium	EPA 200.7	mg/L	1,070	1,070
Magnesium, Dissolved	EPA 200.7	mg/L	1,120	1,120
Manganese, Dissolved	EPA 200.7	µg/L	ND	ND
Manganese, Total	EPA 200.7	µg/L	ND	ND
MBAS (Surfactants)	SM5540C	mg/L	ND	ND
Nitrate as N	EPA 300.0	mg/L	1.3	1.0
Nitrate as NO3	EPA 300.0	mg/L	5.6	4
Nitrate+Nitrite as N	EPA 300.0	mg/L	1.3	1.0
Nitrite as NO2-N, Dissolved	EPA 300.0	mg/L	ND	ND
Odor Threshold at 60 C	SM2150B	TON	1	1
o-Phosphate-P	Hach 8048 & EPA 365.1	mg/L	0.07	0.07
pH (Field Test)	SM4500-H+B	pH	7.06	7.09
pH (Laboratory)	SM4500-H+B	pH (H)	7.4	7.2
Phenoxy Acid Herbicides (515.3)	EPA 515.3	µg/L	-	-
Phosphorus, Dissolved Total	HACH 8190 & EPA 365.1	mg/L	0.08	0.08
Potassium	EPA 200.7	mg/L	274	273
Potassium, Dissolved	EPA 200.7	mg/L	285	290
QC Ratio TDS/SEC	Calculation	-	0.67	0.69
Reg. Org. Compounds (EPA 525)	EPA 525	µg/L	-	-
Salinity	SM2520B	psu	28.8	28.8
Silica as SiO2, Dissolved	EPA 200.7	mg/L	16	15
Sodium	EPA 200.7	mg/L	8,510	8,250
Sodium, Dissolved	EPA 200.7	mg/L	8,890	8,870
Specific Conductance (E.C)	SM2510B	µmhos/cm	44,640	44,570
Specific Conductance (E.C) (Field)	SM2510B	µmhos/cm	45,680	44,890
Strontium, Dissolved	EPA 200.8	µg/L	7,280	7,440
Sulfate, Dissolved	EPA 300.0	mg/L	2,360	2,310
Temperature (Field)	SM2550	° C	15.1	15.1
Total Diss. Solids	SM2540C	mg/L	29,900	30,600
Turbidity	EPA 180.1	NTU	0.20	0.05
Turbidity (Field)	EPA 180.1	NTU	0.13	0.14
Volatile Org. Compounds (524)	EPA 524	µg/L	-	-
Zinc	EPA 200.7	µg/L	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
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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:
- a. 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.
 - b. 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.
 - c. 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", written over the printed name and title.

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.

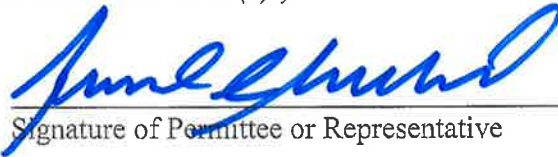
The undersigned permittee(s) acknowledges that Government Code Section 818.4, which states in pertinent part, that: "A public entity is not liable for injury caused by the issuance...of any permit..." applies to the issuance of this permit.

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 (“MW4-M”) 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
14-February-18 - 21-February-18



2/15/2018 11:00	46800	121.863	19.16	274.508	39284.238	44215.863	28.805	30.067	25.456	1.02	14.866
2/15/2018 11:15	47700	121.866	19.167	274.447	39270.313	44194.869	28.791	30.052	25.465	1.02	14.866
2/15/2018 11:30	48600	121.868	19.158	274.382	39273.656	44206.302	28.798	30.006	25.462	1.02	14.853
2/15/2018 11:45	49500	121.762	19.171	274.28	39321.789	44147.141	28.756	30.02	25.49	1.02	14.855
2/15/2018 12:00	50400	121.713	19.165	274.171	39323.848	44144.25	28.753	30.017	25.495	1.02	14.857
2/15/2018 12:15	51300	121.67	19.162	274.073	39316.195	44137.379	28.748	30.013	25.485	1.02	14.853
2/15/2018 12:30	52200	121.614	19.16	273.947	39173.109	44091.109	28.715	29.982	25.528	1.02	14.853
2/15/2018 12:45	53100	121.569	19.167	273.845	39096.379	43998.566	28.648	29.919	25.578	1.02	14.842
2/15/2018 13:00	54000	121.518	19.172	273.71	39070.27	43980.77	28.637	29.909	25.591	1.02	14.841
2/15/2018 13:15	54900	121.458	19.165	273.597	39040.766	43937.945	28.604	29.878	25.614	1.02	14.839
2/15/2018 13:30	55800	121.404	19.162	273.473	39007.105	43902.375	28.578	29.854	25.636	1.02	14.834
2/15/2018 13:45	56700	121.346	19.154	273.34	38953.207	43841.938	28.536	29.814	25.672	1.02	14.837
2/15/2018 14:00	57600	121.286	19.159	273.208	38921.41	43811.297	28.512	29.792	25.691	1.02	14.836
2/15/2018 14:15	58500	121.226	19.159	273.073	38856.836	43735.715	28.457	29.74	25.735	1.02	14.837
2/15/2018 14:30	59400	121.189	19.161	272.99	38823.178	43696.873	28.429	29.714	25.758	1.02	14.832
2/15/2018 14:45	60300	121.134	19.162	272.866	38847.004	43723.336	28.448	29.732	25.742	1.02	14.834
2/15/2018 15:00	61200	121.093	19.16	272.775	38824	43698.012	28.43	29.715	25.757	1.02	14.824
2/15/2018 15:15	62100	121.045	19.155	272.685	38795.227	43658.875	28.401	29.688	25.783	1.02	14.826
2/15/2018 15:30	63000	121.02	19.159	272.609	38761.23	43628.672	28.38	29.667	25.799	1.02	14.822
2/15/2018 15:45	63900	120.982	19.158	272.524	38736.824	43601.613	28.36	29.649	25.815	1.02	14.826
2/15/2018 16:00	64800	120.949	19.16	272.449	38705.359	43568.088	28.35	29.629	25.823	1.02	14.827
2/15/2018 16:15	65700	120.925	19.162	272.395	38659.281	43510.98	28.295	29.587	25.867	1.02	14.822
2/15/2018 16:30	66600	120.892	19.154	272.322	38643.293	43500.82	28.287	29.581	25.878	1.02	14.827
2/15/2018 16:45	67500	120.89	19.159	272.283	38603.71	43458.434	28.31	29.593	25.865	1.02	14.827
2/15/2018 17:00	68400	120.895	19.156	272.327	38679.004	43538.977	28.315	29.607	25.854	1.02	14.834
2/15/2018 17:15	69300	120.902	19.159	272.343	38673.219	43529.688	28.308	29.598	25.858	1.02	14.831
2/15/2018 17:30	70200	120.92	19.153	272.383	38682.008	43545.387	28.319	29.611	25.852	1.02	14.827
2/15/2018 17:45	71100	120.933	19.153	272.372	38631.766	43488.828	28.328	29.578	25.885	1.02	14.836
2/15/2018 18:00	72000	120.94	19.157	272.428	38664.473	43521.227	28.302	29.594	25.864	1.02	14.84
2/15/2018 18:15	72900	120.969	19.149	272.494	38653.19	43516.574	28.298	29.591	25.871	1.02	14.844
2/15/2018 18:30	73800	121.001	19.155	272.567	38682.117	43543.133	28.318	29.609	25.852	1.02	14.839
2/15/2018 18:45	74700	121.028	19.152	272.628	38661.75	43525.398	28.305	29.597	25.864	1.02	14.849
2/15/2018 19:00	75600	121.065	19.149	272.711	38634.016	43494.777	28.283	29.576	25.884	1.02	14.848
2/15/2018 19:15	76500	121.109	19.149	272.789	38655.281	43528.188	28.306	29.593	25.87	1.02	14.849
2/15/2018 19:30	77400	121.143	19.14	272.885	38635.57	43504.855	28.289	29.583	25.883	1.02	14.853
2/15/2018 19:45	78300	121.196	19.142	273.005	38664.91	43535.93	28.312	29.604	25.863	1.02	14.848
2/15/2018 20:00	79200	121.233	19.134	273.075	38676.656	43556.277	28.326	29.618	25.856	1.02	14.85
2/15/2018 20:15	80100	121.279	19.132	273.192	38619.824	43494.957	28.282	29.577	25.893	1.02	14.855
2/15/2018 20:30	81000	121.317	19.128	273.279	38672.125	43556.961	28.327	29.619	25.858	1.02	14.864
2/15/2018 20:45	81900	121.368	19.134	273.343	38658.742	43533.513	28.317	29.61	25.867	1.02	14.859
2/15/2018 21:00	82800	121.411	19.122	273.491	38644.059	43533.43	28.309	29.603	25.877	1.02	14.865
2/15/2018 21:15	83700	121.452	19.122	273.581	38659.77	43549.414	28.321	29.607	25.867	1.02	14.867
2/15/2018 21:30	84600	121.48	19.125	273.689	38672.283	43575.348	28.341	29.618	25.838	1.02	14.861
2/15/2018 21:45	85500	121.498	19.164	273.887	38773.352	43637.734	28.387	29.674	25.872	1.02	14.869
2/15/2018 22:00	86400	121.529	19.167	273.755	38789.66	43653.063	28.398	29.684	25.79	1.02	14.869
2/15/2018 22:15	87300	121.569	19.163	273.833	38860.13	43732.082	28.455	29.738	25.733	1.02	14.871
2/15/2018 22:30	88200	121.582	19.168	273.875	38900.77	43777.281	28.488	29.769	25.706	1.02	14.87
2/15/2018 22:45	89100	121.58	19.167	273.871	38938.484	43820.215	28.519	29.798	25.682	1.02	14.872
2/15/2018 23:00	90000	121.589	19.168	273.929	39000.137	43889.15	28.569	29.845	25.641	1.02	14.873
2/15/2018 23:15	90900	121.632	19.167	273.988	39024.816	43917.613	28.589	29.864	25.625	1.02	14.87
2/15/2018 23:30	91800	121.621	19.167	273.964	39065.453	43963.52	28.622	29.895	25.598	1.02	14.877
2/15/2018 23:45	92700	121.582	19.166	273.875	39114.68	44023.42	28.663	29.933	25.566	1.02	14.873
2/16/2018 0:00	93600	121.586	19.166	273.873	39140.348	44044.684	28.684	29.949	25.549	1.02	14.874
2/16/2018 0:15	94500	121.573	19.165	273.854	39186.355	44101.055	28.722	29.989	25.529	1.02	14.869
2/16/2018 0:30	95400	121.557	19.161	273.819	39236.348	44148.98	28.755	30.042	25.493	1.02	14.871
2/16/2018 0:45	96300	121.546	19.163	273.795	39242.313	44166.023	28.769	30.033	25.483	1.02	14.873
2/16/2018 1:00	97200	121.519	19.162	273.734	39286.047	44216.242	28.805	30.067	25.454	1.02	14.865
2/16/2018 1:15	98100	121.501	19.162	273.693	39311.039	44245.035	28.826	30.087	25.438	1.02	14.864
2/16/2018 1:30	99000	121.496	19.161	273.681	39370.418	44271.875	28.875	30.119	25.413	1.02	14.861
2/16/2018 1:45	99900	121.485	19.16	273.544	39378.75	44322.738	28.882	30.138	25.394	1.02	14.862
2/16/2018 2:00	100800	121.415	19.159	273.5	39401.637	44349.132	28.901	30.157	25.38	1.02	14.87
2/16/2018 2:15	101700	121.388	19.159	273.439	39459.784	44415.131	28.949	30.202	25.342	1.02	14.868
2/16/2018 2:30	102600	121.369	19.158	273.397	39461.395	44418.012	28.951	30.204	25.341	1.02	14.858
2/16/2018 2:45	103500	121.344	19.157	273.349	39515.805	44480.258	28.996	30.247	25.306	1.02	14.859
2/16/2018 3:00	104400	121.323	19.156	273.313	39513.116	44478.367	28.995	30.245	25.308	1.02	14.859
2/16/2018 3:15	105300	121.304	19.155	273.249	39550.5	44520.559	29.026	30.274	25.284	1.02	14.853
2/16/2018 3:30	106200	121.281	19.154	273.197	39531.43	44500.094	29.011	30.26	25.296	1.02	14.856
2/16/2018 3:45	107100	121.255	19.152	273.169	39599.441	44536.136	29.062	30.212	25.283	1.02	14.848
2/16/2018 4:00	108000	121.254	19.163	273.137	39617.344	44588.285	29.075	30.32	25.241	1.02	14.841
2/16/2018 4:15	108900	121.246	19.181	273.119	39670.098	44629.992	29.106	30.348	25.208	1.02	14.847
2/16/2018 4:30	109800	121.215	19.182	273.075	39694.715	44670.715	29.089	30.321	25.189	1.02	14.845
2/16/2018 4:45	110700	121.289	19.214	273.214	39710.449	44644.535	29.118	30.358	25.182	1.02	14.846
2/16/2018 5:00	111600	121.276	19.211	273.185	39722.457	44660.207	29.129	30.369	25.175	1.02	14.854
2/16/2018 5:15	112500	121.259	19.209	273.163	39699.441	44636.136	29.112	30.359	25.169	1.02	14.849
2/16/2018 5:30	113400	121.205	19.207	273.251	39707.5	44647.816	29.12	30.361	25.184	1.02	14.839
2/16/2018 5:45	114300	121.333	19.197	273.136	39716.136	44667.465	29.134	30.374	25.192	1.02	14.844
2/16/2018 6:00	115200	121.363	19.193	273.181	39691.852	44643.094	29.116	30.357	25.194	1.02	14.837
2/16/2018 6:15	116100	121.366	19.186	273.187	39679.137	44635.406	29.111	30.352	25.202	1.02	14.845
2/16/2018 6:30	117000	121.406	19.186	273.478	39698.516	44660.379	29.128	30.369	25.19	1.02	14.847
2/16/2018 6:45	117900	121.44	19.176	273.556	39672.105	44637.199	29.133	30.363	25.207	1.02	14.852
2/16/2018 7:00	118800	121.479	19.17	273.643	39666.281	44636.864	29.11	30.351	25.21	1.02	14.853
2/16/2018 7:15	119700	121.501	19.166	273.694	39674.082	44648.957	29.109	30.361	25.205	1.02	14.859
2/16/2018 7:30	120600	121.546	19.161	2							

2/17/2018 4:45	197100	121.217	19.182	273.054	39187.004	44086.004	28.712	29.978	25.519	1.02	14.8
2/17/2018 5:00	198000	121.168	19.183	272.942	39153.492	44047.406	28.684	29.962	25.541	1.02	14.798
2/17/2018 5:15	198800	121.207	19.185	273.03	39088.195	43971.907	28.629	29.960	25.583	1.02	14.792
2/17/2018 5:30	199800	121.186	19.178	272.983	39088.734	43979.082	28.634	29.906	25.583	1.02	14.796
2/17/2018 5:45	200700	121.188	19.177	272.988	39067.57	43956.012	28.617	29.927	25.597	1.02	14.798
2/17/2018 6:00	201600	121.193	19.175	273.005	38996.039	43879.559	28.562	29.944	25.644	1.02	14.8
2/17/2018 6:15	202500	121.213	19.176	273.043	38992.551	43872.512	28.557	29.833	25.646	1.02	14.796
2/17/2018 6:30	203400	121.241	19.177	273.107	38975.906	43853.289	28.543	29.82	25.657	1.02	14.79
2/17/2018 6:45	204300	121.256	19.171	273.14	38949.133	43824.842	28.525	29.803	25.675	1.02	14.804
2/17/2018 7:00	205200	121.285	19.168	273.205	38906.727	43783.406	28.492	29.773	25.702	1.02	14.803
2/17/2018 7:15	206100	121.301	19.171	273.243	38913.703	43789.203	28.496	29.777	25.698	1.02	14.803
2/17/2018 7:30	207000	121.346	19.167	273.317	38917.992	43797.116	28.502	29.78	25.695	1.02	14.81
2/17/2018 7:45	207900	121.385	19.167	273.432	38890.586	43767.051	28.48	29.762	25.713	1.02	14.805
2/17/2018 8:00	208800	121.417	19.173	273.503	38872.559	43740.613	28.461	29.744	25.725	1.02	14.81
2/17/2018 8:15	209700	121.464	19.173	273.62	38856.285	43700.207	28.432	29.716	25.749	1.02	14.808
2/17/2018 8:30	210600	121.485	19.175	273.658	38856.223	43702.512	28.447	29.73	25.736	1.02	14.807
2/17/2018 8:45	211500	121.517	19.159	273.73	38845.773	43723.664	28.448	29.732	25.743	1.02	14.816
2/17/2018 9:00	212400	121.536	19.162	273.772	38856.734	43709.754	28.429	29.723	25.749	1.02	14.81
2/17/2018 9:15	213300	121.591	19.163	273.897	38835.809	43708.766	28.438	29.722	25.749	1.02	14.81
2/17/2018 9:30	214200	121.605	19.149	273.928	38822.488	43717.973	28.444	29.728	25.752	1.02	14.813
2/17/2018 9:45	215100	121.645	19.147	274.017	38843.389	43731.859	28.454	29.738	25.744	1.02	14.807
2/17/2018 10:00	216000	121.666	19.15	274.064	38829.668	43713.82	28.441	29.725	25.754	1.02	14.811
2/17/2018 10:15	216900	121.68	19.143	274.096	38794.316	43680.98	28.417	29.703	25.777	1.02	14.813
2/17/2018 10:30	217800	121.693	19.138	274.125	38802.445	43695.351	28.427	29.713	25.771	1.02	14.806
2/17/2018 10:45	218700	121.697	19.135	274.134	38843.734	43744.332	28.462	29.746	25.744	1.02	14.807
2/17/2018 11:00	219600	121.707	19.137	274.157	38816.23	43711.227	28.439	29.724	25.762	1.02	14.811
2/17/2018 11:15	220500	121.72	19.137	274.187	38839.711	43746.535	28.464	29.748	25.747	1.02	14.805
2/17/2018 11:30	221400	121.687	19.158	274.111	38825.771	43707.91	28.437	29.717	25.756	1.02	14.806
2/17/2018 11:45	222300	121.7	19.125	274.142	38912.895	43784.207	28.493	29.773	25.698	1.02	14.802
2/17/2018 12:00	223200	121.677	19.121	274.089	38959.539	43803.434	28.508	29.786	25.688	1.02	14.797
2/17/2018 12:15	224100	121.666	19.113	274.092	38974.137	43817.303	28.519	29.786	25.698	1.02	14.783
2/17/2018 12:30	225000	121.594	19.102	273.902	38951.695	43761.516	28.478	29.758	25.697	1.02	14.793
2/17/2018 12:45	225900	121.568	19.172	273.844	38884.117	43754.261	28.471	29.753	25.717	1.02	14.78
2/17/2018 13:00	226800	121.53	19.178	273.855	38855.633	43713.203	28.442	29.723	25.736	1.02	14.785
2/17/2018 13:15	227700	121.491	19.18	273.67	38814.254	43668.625	28.41	29.695	25.764	1.02	14.779
2/17/2018 13:30	228600	121.433	19.174	273.54	38802.969	43661.336	28.404	29.69	25.771	1.02	14.78
2/17/2018 13:45	229500	121.4	19.166	273.666	38707.465	43554.051	28.326	29.617	25.835	1.02	14.765
2/17/2018 14:00	230400	121.358	19.172	273.37	38714	43563.18	28.333	29.623	25.83	1.02	14.775
2/17/2018 14:15	231300	121.293	19.175	273.225	38694.352	43425.531	28.234	29.529	25.911	1.02	14.773
2/17/2018 14:30	232200	121.245	19.123	273.125	38645.766	43371.468	28.195	29.493	25.93	1.02	14.763
2/17/2018 14:45	233100	121.196	19.172	273.007	38531.469	43357.707	28.184	29.483	25.953	1.02	14.769
2/17/2018 15:00	234000	121.148	19.17	272.897	38440.672	43257.883	28.112	29.415	26.014	1.02	14.77
2/17/2018 15:15	234900	121.094	19.177	272.876	38364.676	43185.059	28.06	29.366	26.057	1.02	14.764
2/17/2018 15:30	235800	121.039	19.169	272.653	38348.461	43154.605	28.038	29.345	26.077	1.02	14.767
2/17/2018 15:45	236700	121.032	19.173	272.637	38285.074	43079.402	27.984	29.294	26.12	1.02	14.767
2/17/2018 16:00	237600	121.047	19.146	272.446	38266.074	43058.166	27.969	29.28	26.133	1.02	14.764
2/17/2018 16:15	238500	120.925	19.128	272.398	38225.188	43019.105	27.94	29.253	26.161	1.02	14.769
2/17/2018 16:30	239400	120.895	19.166	272.326	38186.336	42974.902	27.908	29.223	26.187	1.02	14.77
2/17/2018 16:45	240300	120.817	19.137	272.243	38172.303	42955.156	27.894	29.21	26.197	1.02	14.764
2/17/2018 17:00	241200	120.814	19.171	272.145	38139.777	42917.922	27.867	29.184	26.219	1.02	14.771
2/17/2018 17:15	242100	120.808	19.167	272.132	38140.641	42922.266	27.87	29.187	26.219	1.02	14.76
2/17/2018 17:30	243000	120.787	19.17	272.085	38113.742	42891.742	27.848	29.162	26.236	1.02	14.764
2/17/2018 17:45	243900	120.761	19.169	272.071	38154.871	42936.832	27.88	29.186	26.209	1.02	14.764
2/17/2018 18:00	244800	120.789	19.17	272.089	38137.199	42916.305	27.866	29.183	26.221	1.02	14.759
2/17/2018 18:15	245700	120.797	19.17	272.108	38100.001	42874.637	27.836	29.155	26.247	1.02	14.766
2/17/2018 18:30	246600	120.788	19.163	272.168	38086.324	42865.324	27.829	29.148	26.256	1.02	14.765
2/17/2018 18:45	247500	120.822	19.157	272.163	38135.887	42926.895	27.873	29.179	26.222	1.02	14.759
2/17/2018 19:00	248400	120.84	19.157	272.204	38115.172	42903.574	27.856	29.174	26.236	1.02	14.757
2/17/2018 19:15	249300	120.852	19.163	272.205	38095.809	42886.441	27.841	29.163	26.25	1.02	14.751
2/17/2018 19:30	250200	120.9	19.144	272.239	38125.563	42926.859	27.872	29.182	26.229	1.02	14.759
2/17/2018 19:45	251100	120.917	19.144	272.178	38117.117	42917.191	27.865	29.184	26.235	1.02	14.76
2/17/2018 20:00	252000	120.914	19.142	272.141	38124.051	42928.777	27.871	29.192	26.23	1.02	14.755
2/17/2018 20:15	252900	120.995	19.142	272.553	38131.777	42935.719	27.879	29.196	26.225	1.02	14.754
2/17/2018 20:30	253800	121.067	19.181	272.716	38225.191	43004.52	27.93	29.243	26.161	1.02	14.752
2/17/2018 20:45	254700	121.089	19.189	272.695	38199.723	42980.17	27.986	29.27	26.195	1.02	14.748
2/17/2018 21:00	255600	121.152	19.179	272.906	38387.637	43179.02	28.056	29.362	26.05	1.02	14.752
2/17/2018 21:15	256500	121.174	19.191	272.956	38422.523	43228.945	28.092	29.396	26.022	1.02	14.751
2/17/2018 21:30	257400	121.201	19.182	272.917	38415.205	43234.227	28.061	29.362	26.046	1.02	14.748
2/17/2018 21:45	258300	121.297	19.191	273.233	38569.793	43383.027	28.204	29.527	25.927	1.02	14.751
2/17/2018 22:00	259200	121.325	19.19	273.297	38666.379	43481.227	28.274	29.567	25.869	1.02	14.748
2/17/2018 22:15	260100	121.378	19.19	273.12	38712.727	43544.852	28.23	29.546	25.811	1.02	14.746
2/17/2018 22:30	261000	121.401	19.19	273.468	38774.676	43614.773	28.371	29.658	25.79	1.02	14.751
2/17/2018 22:45	261900	121.429	19.19	273.53	38844.465	43693.363	28.428	29.711	25.744	1.02	14.752
2/17/2018 23:00	262800	121.417	19.136	273.426	38856.023	43706.127	28.437	29.72	25.736	1.02	14.751
2/17/2018 23:15	263700	121.476	19.189	273.636	38924.254	43783.363	28.493	29.773	25.692	1.02	14.75
2/17/2018 23:30	264600	121.499	19.188	273.687	38950.48	43813.926	28.515	29.793	25.674	1.02	14.755
2/17/2018 23:45	265500	121.466	19.188	273.681	38905.93	43787.383	28.516	29.836	25.637	1.02	14.758
2/18/2018 0:00	266400	121.511	19.188	273.716	39042.496	43917.344	28.59	29.917	25.613	1.02	14.754
2/18/2018 0:15	267300	121.484	19.187	273.655	39109.715	43993.871	28.645	29.916	25.569	1.02	14.753
2/18/2018 0:30	268200	121.499	19.187	273.688	39126.885	44013.52	28.659	29.929	25.558	1.02	14.747
2/18/2018 0:45	269100	121.508	19.187	273.689	39149.832	44038.82	28.679	29.928	25.543	1.02	14.743
2/18/2018 1:00	270000	121.476	19.187	273.636	39194.242	44089.859	28.715	29.951	25.514	1.02	14.746

2/18/2018 22:30	347400	121.271	19.195	273.176	38668.703	43490.449	28.281	29.574	25.861	1.02	14.736
2/18/2018 22:45	348300	121.288	19.195	273.214	38719.973	43548.762	28.324	29.613	25.826	1.02	14.734
2/18/2018 23:00	349200	121.305	19.195	38763.554	38763.554	43597.52	28.369	29.646	25.798	1.02	14.732
2/18/2018 23:15	350100	121.392	19.193	38843.051	38843.051	43688.414	28.424	29.708	25.745	1.02	14.727
2/18/2018 23:30	351000	121.382	19.193	38884.57	38884.57	43746.855	28.467	29.748	25.711	1.02	14.734
2/18/2018 23:45	351900	121.405	19.192	38946.385	38946.385	43805.002	28.509	29.786	25.676	1.02	14.729
2/18/2018 0:00	352800	121.426	19.192	273.523	38885.551	43849.848	28.541	29.818	25.651	1.02	14.738
2/18/2018 0:15	353700	121.476	19.191	273.636	39018.508	43888.395	28.569	29.844	25.629	1.02	14.732
2/18/2018 0:30	354600	121.461	19.191	39004.066	39004.066	43932.914	28.601	29.874	25.601	1.02	14.731
2/18/2018 0:45	355500	121.442	19.189	39077.148	39077.148	43955.91	28.618	29.89	25.559	1.02	14.736
2/18/2018 1:00	356400	121.453	19.189	39129.449	39129.449	44014.41	28.66	29.93	25.536	1.02	14.735
2/18/2018 1:15	357300	121.454	19.188	39162.113	39162.113	44052.293	28.684	29.956	25.535	1.02	14.734
2/18/2018 1:30	358200	121.481	19.187	273.648	39185.648	44079.289	28.707	29.974	25.52	1.02	14.733
2/18/2018 1:45	359100	121.455	19.186	39219.066	39219.066	44118.109	28.735	30	25.498	1.02	14.739
2/18/2018 2:00	360000	121.437	19.187	39259.371	39259.371	44163.121	28.768	30.031	25.472	1.02	14.732
2/18/2018 2:15	360900	121.426	19.19	273.524	39256.063	44155.758	28.763	30.026	25.474	1.02	14.738
2/18/2018 2:30	361800	121.39	19.224	39317.289	39317.289	44192.344	28.791	30.051	25.434	1.02	14.733
2/18/2018 2:45	362700	121.371	19.214	39312.473	39312.473	44198.848	28.795	30.055	25.437	1.02	14.733
2/18/2018 3:00	363600	121.335	19.223	273.318	39330.945	44208.68	28.802	30.062	25.425	1.02	14.726
2/18/2018 3:15	364500	121.325	19.219	39303.727	39303.727	44181.809	28.783	30.044	25.443	1.02	14.722
2/18/2018 3:30	365400	121.279	19.209	39281.406	39281.406	44167.287	28.772	30.034	25.457	1.02	14.725
2/18/2018 3:45	366300	121.247	19.202	39281.828	39281.828	44174.148	28.776	30.038	25.457	1.02	14.726
2/18/2018 4:00	367200	121.215	19.201	273.048	39257.645	44147.027	28.757	30.02	25.473	1.02	14.728
2/18/2018 4:15	368100	121.194	19.198	39227.078	39227.078	44155.715	28.734	29.999	25.493	1.02	14.724
2/18/2018 4:30	369000	121.169	19.195	272.944	39225.207	44117.004	28.735	30	25.494	1.02	14.727
2/18/2018 4:45	369900	121.121	19.191	39193.422	39193.422	44085.141	28.711	29.978	25.514	1.02	14.723
2/18/2018 5:00	370800	121.118	19.189	39168.258	39168.258	44058.395	28.692	29.96	25.531	1.02	14.719
2/18/2018 5:15	371700	121.102	19.184	39164.328	39164.328	44035.184	28.692	29.936	25.533	1.02	14.722
2/18/2018 5:30	372600	121.071	19.182	39181.324	39181.324	44079.461	28.676	29.974	25.522	1.02	14.723
2/18/2018 5:45	373500	121.029	19.178	272.43	39139.461	44036.449	28.67	29.965	25.55	1.02	14.723
2/18/2018 6:00	374400	121.079	19.186	39172.382	39172.382	44071.341	28.662	29.956	25.56	1.02	14.725
2/18/2018 6:15	375300	121.015	19.175	272.598	39077.465	43969.121	28.627	29.899	25.559	1.02	14.73
2/18/2018 6:30	376200	121.005	19.178	39068.52	39068.52	43956.172	28.618	29.89	25.596	1.02	14.726
2/18/2018 6:45	377100	120.957	19.177	39057.011	39057.011	43945.227	28.61	29.882	25.633	1.02	14.73
2/18/2018 7:00	378000	121.054	19.173	272.686	39062.088	43953.891	28.616	29.889	25.6	1.02	14.722
2/18/2018 7:15	378900	121.02	19.171	272.609	39017.469	43905.477	28.581	29.856	25.63	1.02	14.723
2/18/2018 7:30	379800	121.024	19.167	39079.354	39079.354	43861.549	28.549	29.824	25.654	1.02	14.724
2/18/2018 7:45	380700	121.095	19.166	272.777	39007.156	43898.48	28.575	29.851	25.636	1.02	14.722
2/18/2018 8:00	381600	121.082	19.176	272.748	39007.371	43889.348	28.569	29.845	25.636	1.02	14.731
2/18/2018 8:15	382500	121.09	19.168	39085.409	39085.409	43872.836	28.557	29.834	25.651	1.02	14.737
2/18/2018 8:30	383400	121.106	19.171	272.804	38872.867	43855.383	28.544	29.822	25.659	1.02	14.743
2/18/2018 8:45	384300	121.149	19.16	272.899	38842.266	43831.535	28.527	29.805	25.679	1.02	14.742
2/18/2018 9:00	385200	121.12	19.161	39067.801	39067.801	43815.363	28.543	29.821	25.662	1.02	14.751
2/18/2018 9:15	386100	121.222	19.161	272.064	38851.832	43840.828	28.533	29.812	25.673	1.02	14.743
2/18/2018 9:30	387000	121.228	19.155	39107.079	38860.758	43861.313	28.548	29.826	25.667	1.02	14.747
2/18/2018 9:45	387900	121.248	19.148	38947.17	38947.17	43848.359	28.538	29.817	25.676	1.02	14.754
2/18/2018 10:00	388800	121.312	19.159	273.268	38924.063	43821.563	28.519	29.799	25.691	1.02	14.755
2/18/2018 10:15	389700	121.329	19.148	39044.625	38944.625	43845.289	28.536	29.815	25.677	1.02	14.752
2/18/2018 10:30	390600	121.343	19.148	38945.261	38945.261	43832.695	28.541	29.827	25.677	1.02	14.754
2/18/2018 10:45	391500	121.38	19.138	273.421	38961.262	43873.891	28.556	29.834	25.667	1.02	14.749
2/18/2018 11:00	392400	121.441	19.134	3923.557	38938.199	43851.453	28.54	29.819	25.682	1.02	14.749
2/18/2018 11:15	393300	121.442	19.125	38937.949	38937.949	43839.224	28.545	29.824	25.682	1.02	14.748
2/18/2018 11:30	394200	121.462	19.127	38960.453	38960.453	43882.691	28.562	29.84	25.687	1.02	14.753
2/18/2018 11:45	395100	121.454	19.128	273.588	38934.242	43858.27	28.544	29.824	25.684	1.02	14.755
2/18/2018 12:00	396000	121.499	19.119	38930.305	38930.305	43856.543	28.543	29.822	25.687	1.02	14.752
2/18/2018 12:15	396900	121.485	19.148	38976.816	38976.816	43881.207	28.562	29.839	25.656	1.02	14.739
2/18/2018 12:30	397800	121.476	19.163	273.636	38882.355	43873.703	28.557	29.834	25.653	1.02	14.745
2/18/2018 12:45	398700	121.506	19.166	3917.406	3917.406	43910.516	28.584	29.859	25.63	1.02	14.74
2/18/2018 13:00	399600	121.477	19.168	39086.179	39086.179	43887.477	28.64	29.874	25.611	1.02	14.747
2/18/2018 13:15	400500	121.472	19.167	39059.195	39059.195	43956.801	28.618	29.891	25.602	1.02	14.746
2/18/2018 13:30	401400	121.464	19.166	39086.281	39086.281	43987.527	28.64	29.912	25.584	1.02	14.745
2/18/2018 13:45	402300	121.454	19.165	39126.438	39126.438	44031.383	28.673	29.944	25.568	1.02	14.744
2/18/2018 14:00	403200	121.416	19.165	273.502	39051.656	44062.088	28.694	29.962	25.542	1.02	14.738
2/18/2018 14:15	404100	121.39	19.164	273.443	39137.996	44088.23	28.713	29.98	25.527	1.02	14.737
2/18/2018 14:30	405000	121.363	19.163	39174.934	39174.934	44129.988	28.714	29.991	25.527	1.02	14.739
2/18/2018 14:45	405900	121.334	19.163	39209.539	39209.539	44125.559	28.742	30.008	25.504	1.02	14.741
2/18/2018 15:00	406800	121.3	19.162	39224.934	39224.934	44147.785	28.756	30.02	25.494	1.02	14.744
2/18/2018 15:15	407700	121.248	19.168	39253.629	39253.629	44181.629	28.78	30.044	25.476	1.02	14.749
2/18/2018 15:30	408600	121.217	19.16	39279.957	39279.957	44211.621	28.802	30.064	25.458	1.02	14.742
2/18/2018 15:45	409500	121.189	19.159	39253.676	39253.676	44182.789	28.781	30.044	25.475	1.02	14.742
2/18/2018 16:00	410400	121.175	19.158	39282.859	39282.859	44216.629	28.805	30.064	25.456	1.02	14.739
2/18/2018 16:15	411300	121.128	19.157	272.853	39119.078	44258.559	28.836	30.096	25.433	1.02	14.743
2/18/2018 16:30	412200	121.093	19.156	272.774	39116.043	44255.484	28.833	30.094	25.435	1.02	14.747
2/18/2018 16:45	413100	121.017	19.148	39138.201	39138.201	44271.188	28.845	30.104	25.427	1.02	14.744
2/18/2018 17:00	414000	121.018	19.154	272.604	39154.031	44300.238	28.866	30.124	25.41	1.02	14.745
2/18/2018 17:15	414900	121.002	19.153	272.568	39169.418	44318.555	28.879	30.137	25.4	1.02	14.746
2/18/2018 17:30	415800	120.959	19.153	272.473	39199.031	44352.559	28.904	30.16	25.384	1.02	14.747
2/18/2018 17:45	416700	120.952	19.152	39198.523	39198.523	44352.977	28.92	30.18	25.382	1.02	14.754
2/18/2018 18:00	417600	120.949	19.151	272.45	39400.095	44355.676	28.936	30.162	25.38	1.02	14.751
2/18/2018 18:15	418500	120.922	19.151	272.388	39437.687	44397.58	28.956	30.156	25.356	1.02	14.753
2/18/2018 18:30	419400	120.884	19.15	39420.554	39420.554	44439.504	28.978	30.178	25.34	1.02	14.758
2/18/2018 18:45	420300	120.891	19.149								

2/20/2018 16:15	497700	121.292	19.12	273.223	39991.707	45051.586	29.41	30.635	25.005	1.021	14.834
2/20/2018 16:20	498000	121.292	19.12	273.223	39991.707	45051.586	29.41	30.635	25.005	1.021	14.834
2/20/2018 16:45	499500	121.273	19.118	273.179	39994.52	45056.117	29.413	30.638	25.003	1.021	14.832
2/20/2018 17:00	500400	121.219	19.118	273.057	39974.91	45034.441	29.397	30.623	25.016	1.021	14.834
2/20/2018 17:15	501300	121.203	19.117	273.022	39965.145	45024.453	29.39	30.617	25.022	1.021	14.832
2/20/2018 17:30	502200	121.167	19.116	272.984	39979.695	45041.273	29.402	30.628	25.013	1.021	14.832
2/20/2018 17:45	503100	121.155	19.116	272.914	39952.129	45010.551	29.38	30.607	25.03	1.021	14.829
2/20/2018 18:00	504000	121.12	19.115	272.834	39974.785	45036.746	29.399	30.625	25.016	1.021	14.836
2/20/2018 18:15	504800	121.11	19.116	272.813	39975.301	45037.074	29.399	30.625	25.015	1.021	14.828
2/20/2018 18:30	505800	121.091	19.115	272.769	40006.352	45072.738	29.425	30.649	24.996	1.021	14.83
2/20/2018 18:45	506700	121.078	19.115	272.74	39968.422	45010.008	29.394	30.62	25.02	1.021	14.829
2/20/2018 19:00	507600	121.069	19.115	272.719	39980.984	45034.324	29.404	30.63	25.012	1.021	14.832
2/20/2018 19:15	508500	121.063	19.114	272.707	39993.656	45059.363	29.415	30.64	25.004	1.021	14.826
2/20/2018 19:30	509400	121.06	19.115	272.7	39995.176	45060.313	29.416	30.641	25.003	1.021	14.835
2/20/2018 19:45	510300	121.056	19.114	272.69	40044.57	45116.895	29.457	30.679	24.972	1.021	14.833
2/20/2018 20:00	511200	121.054	19.114	272.687	39992.324	45057.527	29.414	30.639	25.005	1.021	14.834
2/20/2018 20:15	512100	121.073	19.114	272.729	40012.66	45080.441	29.43	30.655	24.992	1.021	14.837
2/20/2018 20:30	513000	121.109	19.115	273.009	39994.009	45059.129	29.415	30.64	25.004	1.021	14.828
2/20/2018 20:45	513900	121.107	19.115	272.806	39980.113	45043.34	29.403	30.629	25.012	1.021	14.843
2/20/2018 21:00	514800	121.124	19.115	272.843	40018.5	45086.508	29.435	30.659	24.988	1.021	14.838
2/20/2018 21:15	515700	121.139	19.115	272.877	40034.48	45092.824	29.439	30.663	24.985	1.021	14.846
2/20/2018 21:30	516600	121.183	19.116	272.976	40013.809	45080.461	29.43	30.655	24.991	1.021	14.833
2/20/2018 21:45	517500	121.195	19.116	273.003	40049.875	45120.34	29.459	30.682	24.969	1.021	14.84
2/20/2018 22:00	518400	121.241	19.117	273.107	40022.375	45088.926	29.437	30.66	24.986	1.021	14.838
2/20/2018 22:15	519300	121.273	19.118	40033.148	40013.309	45100.309	29.445	30.668	24.979	1.021	14.835
2/20/2018 22:30	520200	121.312	19.119	273.267	40046.301	45114.184	29.455	30.678	24.971	1.021	14.836
2/20/2018 22:45	521100	121.348	19.119	273.349	40050.777	45118.715	29.458	30.681	24.968	1.021	14.84
2/20/2018 23:00	522000	121.386	19.119	273.435	40045.926	45113.594	29.455	30.677	24.971	1.021	14.837
2/20/2018 23:15	522900	121.414	19.121	273.497	40070.547	45140.746	29.474	30.696	24.956	1.021	14.842
2/20/2018 23:30	523800	121.447	19.121	273.572	40081.363	45151.562	29.482	30.703	24.949	1.021	14.838
2/20/2018 23:45	524700	121.484	19.121	273.655	40068.301	45136.598	29.471	30.693	24.957	1.021	14.833
2/21/2018 0:00	525600	121.533	19.121	273.766	40087.023	45158.199	29.487	30.708	24.946	1.021	14.829
2/21/2018 0:15	526500	121.545	19.121	273.792	40104.949	45177.469	29.501	30.721	24.935	1.021	14.83
2/21/2018 0:30	527400	121.589	19.121	40121.5	40121.5	45187.422	29.516	30.734	24.923	1.021	14.828
2/21/2018 0:45	528300	121.594	19.121	273.902	40079.539	45149.598	29.481	30.702	24.95	1.021	14.834
2/21/2018 1:00	529200	121.636	19.122	273.997	40082.496	45151.566	29.482	30.703	24.949	1.021	14.832
2/21/2018 1:15	530100	121.684	19.124	274.008	40105.406	45175.941	29.5	30.72	24.934	1.021	14.829
2/21/2018 1:30	531000	121.667	19.124	40092.813	45161.578	45161.578	29.49	30.72	24.942	1.021	14.821
2/21/2018 1:45	531900	121.679	19.125	274.094	40114.484	45184.559	29.506	30.726	24.929	1.021	14.818
2/21/2018 2:00	532800	121.675	19.125	274.103	40124.703	45196.742	29.515	30.734	24.922	1.021	14.826
2/21/2018 2:15	533700	121.671	19.126	40093.953	45160.75	45160.75	29.489	30.709	24.941	1.021	14.818
2/21/2018 2:30	534600	121.67	19.129	274.073	40110.277	45176.09	29.5	30.72	24.931	1.021	14.818
2/21/2018 2:45	535500	121.693	19.13	274.166	40116.988	45182.633	29.505	30.724	24.927	1.021	14.823
2/21/2018 3:00	536400	121.646	19.131	274.02	40131.492	45198.457	29.517	30.735	24.918	1.021	14.815
2/21/2018 3:15	537300	121.625	19.132	273.972	40099.914	45172.715	29.498	30.717	24.931	1.021	14.807
2/21/2018 3:30	538200	121.584	19.132	40142.113	45190.802	45200.159	29.519	30.736	24.91	1.021	14.811
2/21/2018 3:45	539100	121.583	19.146	273.878	40129.414	45181.625	29.505	30.724	24.919	1.021	14.811
2/21/2018 4:00	540000	121.559	19.147	273.823	40124.359	45174.578	29.5	30.719	24.923	1.021	14.805
2/21/2018 4:15	540900	121.547	19.147	40153.543	45173.767	45206.922	29.524	30.741	24.904	1.021	14.808
2/21/2018 4:30	541800	121.489	19.146	40154.77	45209.582	45209.582	29.526	30.743	24.904	1.021	14.804
2/21/2018 4:45	542700	121.477	19.144	273.638	40154.648	45211.648	29.527	30.744	24.904	1.021	14.812
2/21/2018 5:00	543600	121.425	19.144	40178.027	45212.822	45212.822	29.546	30.762	24.889	1.021	14.82
2/21/2018 5:15	544500	121.378	19.144	273.415	40128.27	45181.945	29.505	30.724	24.92	1.021	14.825
2/21/2018 5:30	545400	121.357	19.142	273.368	40153.137	45211.301	29.527	30.744	24.905	1.021	14.82
2/21/2018 5:45	546300	121.32	19.142	40140.188	45197.398	45197.398	29.517	30.734	24.913	1.021	14.823
2/21/2018 6:00	547200	121.291	19.141	40134.129	45191.762	45191.762	29.512	30.73	24.916	1.021	14.822
2/21/2018 6:15	548100	121.256	19.139	273.141	40121.02	45180.355	29.504	30.723	24.923	1.021	14.82
2/21/2018 6:30	549000	121.212	19.139	40138.176	45197.918	45197.918	29.517	30.735	24.914	1.021	14.816
2/21/2018 6:45	549900	121.212	19.142	40146.395	45206.758	45206.758	29.523	30.741	24.909	1.021	14.823
2/21/2018 7:00	550800	121.174	19.14	272.955	40123.086	45179.848	29.504	30.722	24.923	1.021	14.828
2/21/2018 7:15	551700	121.151	19.143	272.904	40136.574	45192.566	29.513	30.731	24.915	1.021	14.83
2/21/2018 7:30	552600	121.122	19.145	40171.461	45229.445	45229.445	29.54	30.756	24.893	1.021	14.827
2/21/2018 7:45	553500	121.109	19.147	272.809	40156.088	45209.973	29.526	30.743	24.903	1.021	14.827
2/21/2018 8:00	554400	121.106	19.158	272.803	40209.797	45260.168	29.563	30.777	24.87	1.021	14.822
2/21/2018 8:15	555300	121.063	19.163	272.763	40214.684	45263.574	29.563	30.777	24.867	1.021	14.826
2/21/2018 8:30	556200	121.073	19.172	40222.809	45261.074	45261.074	29.564	30.778	24.862	1.021	14.832
2/21/2018 8:45	557100	121.066	19.176	272.713	40225.504	45260.191	29.564	30.777	24.86	1.021	14.827
2/21/2018 9:00	558000	121.079	19.177	40202.48	45231.879	45231.879	29.549	30.774	24.874	1.021	14.823
2/21/2018 9:15	558900	121.084	19.177	272.753	40210.918	45243.27	29.551	30.765	24.869	1.021	14.829
2/21/2018 9:30	559800	121.088	19.18	272.764	40202.07	45230.348	29.542	30.757	24.874	1.021	14.825
2/21/2018 9:45	560700	121.11	19.177	40212.316	45244.664	45244.664	29.552	30.766	24.868	1.021	14.823
2/21/2018 10:00	561600	121.13	19.175	272.856	40213.379	45247.316	29.554	30.768	24.867	1.021	14.822
2/21/2018 10:15	562500	121.129	19.177	272.855	40212.195	45244.285	29.552	30.766	24.868	1.021	14.83
2/21/2018 10:30	563400	121.175	19.176	40208.14	45240.99	45240.99	29.55	30.764	24.87	1.021	14.825
2/21/2018 10:45	564300	121.205	19.177	273.025	40208.762	45240.59	29.55	30.764	24.875	1.021	14.825
2/21/2018 11:00	565200	121.198	19.177	273.01	40241.691	45277.047	29.57	30.788	24.85	1.021	14.826
2/21/2018 11:15	566100	121.221	19.181	273.061	40210.395	45222.893	29.572	30.792	24.882	1.021	14.823
2/21/2018 11:30	567000	121.236	19.176	40209.523	45242.043	45242.043	29.551	30.765	24.87	1.021	14.822
2/21/2018 11:45	567900	121.259	19.174	273.148	40200.555	45233.648	29.544	30.759	24.875	1.021	14.827
2/21/2018 12:00	568800	121.277	19.178	40207.816	45239.109	45239.109	29.548	30.763	24.871	1.021	14.826
2/21/2018 12:15	569700	121.314	19.172	40231.777	45271.406	45271.406	29.572	30.785	24.856	1.021	14.82
2/21/2018 12:30	570600	121.318	19.167	40219.32	45261.797	45261.797	29.565	30.778	24.864	1.0	

2/15/2018 7:30	34200	68.293	15.515	153.837	41638.492	50850.629	33.431	34.578	24.016	1.025	14.846
2/15/2018 7:45	35200	68.289	15.514	153.827	41680.969	50903.863	33.437	34.613	23.992	1.025	14.853
2/15/2018 8:00	36000	68.307	15.514	153.844	41680.989	50903.844	33.47	34.613	23.992	1.025	14.849
2/15/2018 8:15	36900	68.319	15.513	153.896	41670.723	50892.398	33.462	34.607	23.998	1.025	14.856
2/15/2018 8:30	37800	68.324	15.513	153.929	41701.785	50923.488	33.469	34.607	23.988	1.025	14.854
2/15/2018 8:45	38700	68.341	15.514	153.944	41660.176	50879.625	33.453	34.594	24.004	1.025	14.86
2/15/2018 9:00	39600	68.353	15.513	153.972	41680.359	50904.375	33.471	34.615	23.992	1.025	14.858
2/15/2018 9:15	40500	68.364	15.512	153.997	41692.684	50920.461	33.482	34.626	23.985	1.025	14.859
2/15/2018 9:30	41400	68.374	15.511	154.019	41661.426	50883.344	33.451	34.603	23.993	1.025	14.864
2/15/2018 9:45	42300	68.372	15.511	154.015	41681.648	50907.945	33.473	34.617	23.991	1.025	14.872
2/15/2018 10:00	43200	68.377	15.51	154.025	41681.004	50908.09	33.473	34.618	23.992	1.025	14.87
2/15/2018 10:15	44100	68.392	15.509	154.059	41687.335	50917.438	33.48	34.624	23.988	1.025	14.861
2/15/2018 10:30	45000	68.39	15.509	154.066	41666.355	50891.895	33.461	34.606	24	1.025	14.863
2/15/2018 10:45	45900	68.389	15.508	154.053	41657.449	50881.73	33.454	34.6	24.005	1.025	14.864
2/15/2018 11:00	46800	68.39	15.508	154.055	41663.14	50889.242	33.459	34.605	24.002	1.025	14.866
2/15/2018 11:15	47700	68.399	15.507	154.075	41630.453	50850.027	33.43	34.578	24.021	1.025	14.86
2/15/2018 11:30	48600	68.407	15.507	154.093	41665.102	50893.387	33.462	34.608	24.001	1.025	14.853
2/15/2018 11:45	49500	68.404	15.506	154.086	41653.566	50884.953	33.463	34.609	24.002	1.025	14.855
2/15/2018 12:00	50400	68.406	15.506	154.091	41666.648	50895.594	33.464	34.609	24	1.025	14.85
2/15/2018 12:15	51300	68.396	15.505	154.069	41686.206	50920.508	33.482	34.626	23.989	1.025	14.852
2/15/2018 12:30	52200	68.398	15.505	154.051	41676.641	50908.859	33.473	34.618	23.994	1.025	14.853
2/15/2018 12:45	53100	68.388	15.505	154.051	41669.563	50901.047	33.468	34.613	23.998	1.025	14.842
2/15/2018 13:00	54000	68.381	15.504	154.035	41699.184	50937.648	33.494	34.638	23.981	1.025	14.847
2/15/2018 13:15	54900	68.377	15.504	154.027	41663.973	50894.953	33.463	34.609	24.002	1.025	14.839
2/15/2018 13:30	55800	68.373	15.505	154.017	41685.059	50919.551	33.481	34.625	23.989	1.025	14.834
2/15/2018 13:45	56700	68.365	15.505	153.999	41695.875	50933.297	33.491	34.635	23.983	1.025	14.837
2/15/2018 14:00	57600	68.35	15.504	153.964	41684.556	50920.023	33.481	34.626	23.99	1.025	14.836
2/15/2018 14:15	58500	68.347	15.504	153.959	41667.203	50898.473	33.466	34.611	24	1.025	14.837
2/15/2018 14:30	59400	68.339	15.504	153.94	41638.684	50863.539	33.44	34.587	24.016	1.025	14.832
2/15/2018 14:45	60300	68.322	15.504	153.903	41662.172	50892.21	33.463	34.603	24.003	1.025	14.834
2/15/2018 15:00	61200	68.311	15.505	153.889	41688.994	50924.059	33.485	34.628	23.994	1.025	14.824
2/15/2018 15:15	62100	68.302	15.506	153.858	41684.809	50918.086	33.468	34.624	23.99	1.025	14.826
2/15/2018 15:30	63000	68.286	15.505	153.82	41661.438	50890.387	33.46	34.605	24.003	1.025	14.832
2/15/2018 15:45	63900	68.29	15.506	153.81	41649.455	50874.895	33.449	34.605	24.003	1.025	14.835
2/15/2018 16:00	64800	68.272	15.507	153.788	41664.469	50892.195	33.461	34.607	24.001	1.025	14.827
2/15/2018 16:15	65700	68.247	15.507	154.008	41681.027	50912.109	33.476	34.62	23.992	1.025	14.822
2/15/2018 16:30	66600	68.248	15.509	154.048	41660.176	50884.445	33.464	34.605	24.002	1.025	14.827
2/15/2018 16:45	67500	68.833	15.51	155.052	41679.73	50907.488	33.473	34.617	23.992	1.025	14.827
2/15/2018 17:00	68400	68.883	15.515	155.165	41652.84	50892.758	33.467	34.593	24.008	1.025	14.834
2/15/2018 17:15	69300	69.933	15.519	155.633	41693.795	50933.785	33.485	34.635	23.985	1.025	14.831
2/15/2018 17:30	70200	68.978	15.513	155.379	41661.117	50880.777	33.453	34.599	24.003	1.025	14.827
2/15/2018 17:45	71100	69.005	15.514	155.44	41657.602	50875.633	33.45	34.595	24.005	1.025	14.836
2/15/2018 18:00	72000	69.028	15.515	155.478	41666.498	50887.141	33.467	34.607	24.002	1.025	14.84
2/15/2018 18:15	72900	69.068	15.516	155.483	41670.883	50889.129	33.46	34.605	23.998	1.025	14.84
2/15/2018 18:30	73800	69.098	15.516	155.465	41695.973	50919.668	33.482	34.625	23.983	1.025	14.839
2/15/2018 18:45	74700	69.117	15.517	155.499	41716.127	50941.33	33.499	34.641	23.971	1.025	14.849
2/15/2018 19:00	75600	69.146	15.518	155.758	41688.711	50908.172	33.474	34.618	23.987	1.025	14.848
2/15/2018 19:15	76500	69.169	15.519	155.991	41695.941	50916.375	33.48	34.623	23.983	1.025	14.847
2/15/2018 19:30	77400	69.19	15.52	156.056	41718.41	50938.007	33.5	34.639	23.979	1.025	14.85
2/15/2018 19:45	78300	69.223	15.521	155.932	41668.391	50880.391	33.454	34.599	23.999	1.025	14.848
2/15/2018 20:00	79200	69.25	15.521	155.992	41652.108	50859.891	33.439	34.585	24.008	1.025	14.85
2/15/2018 20:15	80100	69.262	15.52	156.066	41686.465	50907.845	33.461	34.615	23.987	1.025	14.855
2/15/2018 20:30	81000	69.28	15.523	156.06	41690.566	50904.469	33.472	34.615	23.986	1.025	14.864
2/15/2018 20:45	81900	69.311	15.524	156.129	41704.039	50920.5	33.483	34.626	23.978	1.025	14.859
2/15/2018 21:00	82800	69.322	15.524	156.121	41713.621	50923.209	33.482	34.634	23.973	1.025	14.865
2/15/2018 21:15	83700	69.35	15.524	156.217	41702.933	50918.406	33.482	34.625	23.979	1.025	14.867
2/15/2018 21:30	84600	69.373	15.527	156.269	41698.116	50909.539	33.476	34.618	23.985	1.025	14.865
2/15/2018 21:45	85500	69.396	15.524	156.321	41704.408	50920.324	33.483	34.626	23.978	1.025	14.869
2/15/2018 22:00	86400	69.417	15.524	156.369	41712.441	50927.849	33.491	34.637	23.971	1.025	14.872
2/15/2018 22:15	87300	69.428	15.528	156.384	41707.088	50918.785	33.482	34.625	23.977	1.025	14.87
2/15/2018 22:30	88200	69.454	15.529	156.452	41707.91	50918.516	33.482	34.625	23.975	1.025	14.87
2/15/2018 22:45	89100	69.466	15.531	156.478	41712.789	50922.866	33.486	34.637	23.971	1.025	14.872
2/15/2018 23:00	90000	69.48	15.531	156.509	41742.258	50958.879	33.487	34.636	23.957	1.025	14.872
2/15/2018 23:15	90900	69.499	15.53	156.554	41755.102	50974.887	33.524	34.663	23.949	1.025	14.87
2/15/2018 23:30	91800	69.528	15.531	156.573	41762.144	50984.184	33.524	34.663	23.949	1.025	14.87
2/15/2018 23:45	92700	69.524	15.531	156.609	41738.566	50953.949	33.508	34.649	23.959	1.025	14.873
2/16/2018 00:00	93600	69.538	15.532	156.642	41765.34	50985.506	33.532	34.67	23.943	1.025	14.874
2/16/2018 00:15	94500	69.551	15.532	156.674	41765.578	50986.135	33.532	34.67	23.945	1.025	14.869
2/16/2018 00:30	95400	69.561	15.531	156.692	41699.859	50906.695	33.474	34.617	23.981	1.025	14.871
2/16/2018 00:45	96300	69.571	15.531	156.716	41724.395	50936.547	33.496	34.637	23.967	1.025	14.873
2/16/2018 01:00	97200	69.584	15.53	156.745	41709.82	50920.064	33.483	34.626	23.965	1.025	14.877
2/16/2018 1:15	98100	69.594	15.531	156.931	41753.691	50927.938	33.522	34.662	23.957	1.025	14.864
2/16/2018 1:30	99000	69.6	15.531	156.78	41731.242	50945.332	33.502	34.643	23.963	1.025	14.868
2/16/2018 1:45	99900	69.619	15.53	156.799	41756.799	50971.23	33.533	34.669	23.949	1.025	14.862
2/16/2018 2:00	100800	69.609	15.53	156.801	41757.977	50979.219	33.527	34.666	23.948	1.025	14.87
2/16/2018 2:15	101700	69.62	15.527	156.826	41747.195	50968.996	33.519	34.659	23.954	1.025	14.865
2/16/2018 2:30	102600	69.632	15.527	156.852	41757.27	50973.27	33.527	34.661	23.951	1.025	14.859
2/16/2018 2:45	103500	69.632	15.528	156.852	41761.871	50985.471	33.532	34.67	23.945	1.025	14.859
2/16/2018 3:00	104400	69.635	15.528	156.859	41756.344	50979.324	33.527	34.666	23.948	1.025	14.859
2/16/2018 3:15	105300	69.646	15.527	156.889	41726.797	50944.719	33.501	34.642	23.962	1.025	14.853
2/16/2018 3:30	106200	69.65	15.527	156.882	41733.363	50952.109	33.507	34.647	23.962	1.025	14.856
2/16/2018 3:45	107100	69.658	15.525	156.911	41762.68	50989.996	33.535	34.673	23.945	1.025	14.848
2/16/2018 4:00	108000	69.665	15.527	156.927	41743						

2/17/2018 1:15	184500	68.389	15.52	154.052	41712.934	50936.082	33.494	34.637	23.973	1.025	14.816
2/17/2018 1:20	185400	68.382	15.521	154.050	41712.934	50936.082	33.494	34.637	23.973	1.025	14.816
2/17/2018 1:45	186300	68.382	15.52	154.038	41722.995	50948.004	33.503	34.605	23.968	1.025	14.813
2/17/2018 2:00	187200	68.378	15.52	154.029	41674.91	50889.121	33.46	34.605	23.995	1.025	14.817
2/17/2018 2:15	188100	68.367	15.519	153.992	41686.102	50904.051	33.471	34.615	23.989	1.025	14.819
2/17/2018 2:30	189000	68.372	15.52	154.015	41658.088	50869.211	33.445	34.605	24.005	1.025	14.813
2/17/2018 2:45	189900	68.361	15.519	153.991	41657.141	50868.371	33.445	34.59	24.005	1.025	14.814
2/17/2018 3:00	190800	68.355	15.52	153.977	41674.672	50889.563	33.46	34.605	23.995	1.025	14.811
2/17/2018 3:15	191700	68.348	15.52	153.961	41675.727	50890.431	33.461	34.605	24.001	1.025	14.816
2/17/2018 3:30	192600	68.342	15.52	153.946	41644.34	50852.523	33.433	34.58	24.013	1.025	14.811
2/17/2018 3:45	193500	68.335	15.52	153.932	41700.152	50920.676	33.483	34.626	23.981	1.025	14.815
2/17/2018 4:00	194400	68.329	15.519	153.918	41686.136	50902.81	33.47	34.615	23.989	1.025	14.81
2/17/2018 4:15	195300	68.311	15.519	153.922	41686.136	50904.023	33.471	34.615	23.989	1.025	14.801
2/17/2018 4:30	196200	68.318	15.521	153.894	41681.047	50895.043	33.42	34.568	24.021	1.025	14.804
2/17/2018 4:45	197100	68.317	15.52	153.891	41681.047	50897.288	33.466	34.61	23.982	1.025	14.8
2/17/2018 5:00	198000	68.315	15.52	153.885	41681.277	50896.695	33.466	34.61	23.992	1.025	14.798
2/17/2018 5:15	198900	68.312	15.521	153.88	41673.406	50886.457	33.458	34.603	23.996	1.025	14.792
2/17/2018 5:30	199800	68.31	15.52	153.874	41674.695	50890.391	33.466	34.605	23.995	1.025	14.798
2/17/2018 5:45	200700	68.3	15.52	153.851	41686.941	50903.711	33.471	34.615	23.988	1.025	14.796
2/17/2018 6:00	201600	68.296	15.52	153.843	41698.934	50918.254	33.481	34.624	23.981	1.025	14.8
2/17/2018 6:15	202500	68.293	15.522	153.854	41693.988	50907.596	33.459	34.615	24.004	1.025	14.796
2/17/2018 6:30	203400	68.303	15.521	153.859	41690.371	50907.273	33.473	34.617	23.986	1.025	14.79
2/17/2018 6:45	204300	68.292	15.521	153.835	41718.801	50941.352	33.498	34.64	23.97	1.025	14.804
2/17/2018 7:00	205200	68.277	15.522	153.851	41680.41	50894.156	33.464	34.608	23.992	1.025	14.801
2/17/2018 7:15	206100	68.299	15.521	153.85	41673.727	50886.316	33.458	34.603	23.996	1.025	14.803
2/17/2018 7:30	207000	68.308	15.521	153.87	41693.418	50910.258	33.476	34.619	23.985	1.025	14.8
2/17/2018 7:45	207900	68.306	15.521	153.855	41681.004	50895.595	33.464	34.609	23.992	1.025	14.805
2/17/2018 8:00	208800	68.31	15.521	153.876	41685.332	50905.598	33.469	34.612	23.989	1.025	14.81
2/17/2018 8:15	209700	68.316	15.521	153.889	41693.25	50910.789	33.476	34.619	23.985	1.025	14.808
2/17/2018 8:30	210600	68.323	15.522	153.903	41675.371	50887.874	33.469	34.609	23.995	1.025	14.807
2/17/2018 8:45	211500	68.319	15.521	153.895	41678.711	50911.043	33.462	34.606	23.993	1.025	14.816
2/17/2018 9:00	212400	68.331	15.523	153.923	41689.84	50905.789	33.472	34.616	23.987	1.025	14.81
2/17/2018 9:15	213300	68.339	15.522	153.94	41666.371	50976.82	33.451	34.596	24	1.025	14.81
2/17/2018 9:30	214200	68.338	15.522	153.939	41664.734	50875.445	33.451	34.591	24.001	1.025	14.811
2/17/2018 9:45	215100	68.35	15.521	153.965	41682.301	50897.102	33.466	34.61	23.991	1.025	14.807
2/17/2018 10:00	216000	68.358	15.521	153.983	41675.031	50888.84	33.46	34.604	23.995	1.025	14.811
2/17/2018 10:15	216900	68.362	15.521	153.993	41644.613	50851.693	33.453	34.603	24.011	1.025	14.813
2/17/2018 10:30	217800	68.38	15.52	154.033	41640.465	50847.473	33.429	34.576	24.015	1.025	14.806
2/17/2018 10:45	218700	68.379	15.519	154.031	41650.086	50860.172	33.439	34.585	24.01	1.025	14.807
2/17/2018 11:00	219600	68.377	15.52	154.031	41650.086	50860.172	33.439	34.585	24.01	1.025	14.811
2/17/2018 11:15	220500	68.388	15.519	154.05	41653.422	50864.433	33.442	34.588	24.008	1.025	14.805
2/17/2018 11:30	221400	68.381	15.518	154.035	41668.848	50884.77	33.457	34.602	23.999	1.025	14.806
2/17/2018 11:45	222300	68.384	15.518	154.035	41669.848	50889.499	33.459	34.608	23.998	1.025	14.803
2/17/2018 12:00	223200	68.385	15.517	154.044	41643.766	50854.445	33.434	34.581	24.013	1.025	14.797
2/17/2018 12:15	224100	68.401	15.517	154.048	41640.555	50850.626	33.431	34.578	24.015	1.025	14.783
2/17/2018 12:30	225000	68.383	15.516	154.04	41646.195	50861.617	33.437	34.611	24.012	1.025	14.793
2/17/2018 12:45	225900	68.394	15.516	154.049	41649.516	50862.625	33.44	34.587	24.01	1.025	14.78
2/17/2018 13:00	226800	68.393	15.516	154.062	41678.012	50898.148	33.466	34.611	23.993	1.025	14.78
2/17/2018 13:15	227700	68.387	15.515	154.049	41669.136	50883.169	33.463	34.608	23.995	1.025	14.779
2/17/2018 13:30	228600	68.379	15.515	154.03	41673.086	50893.395	33.463	34.608	23.998	1.025	14.78
2/17/2018 13:45	229500	68.389	15.515	154.049	41643.148	50856.941	33.436	34.583	24.014	1.025	14.766
2/17/2018 14:00	230400	68.376	15.515	154.052	41657.703	50874.613	33.449	34.605	23.998	1.025	14.768
2/17/2018 14:15	231300	68.365	15.514	154.006	41664.234	50882.596	33.455	34.6	24.001	1.025	14.773
2/17/2018 14:30	232200	68.354	15.514	153.987	41670.313	50890.539	33.461	34.606	23.998	1.025	14.767
2/17/2018 14:45	233100	68.351	15.514	153.967	41662.185	50881.355	33.461	34.599	23.999	1.025	14.769
2/17/2018 15:00	234000	68.339	15.514	153.949	41643.727	50858.035	33.437	34.583	24.013	1.025	14.77
2/17/2018 15:15	234900	68.333	15.514	153.928	41674.945	50895.773	33.464	34.609	23.995	1.025	14.768
2/17/2018 15:30	235800	68.321	15.514	153.899	41648.098	50861.526	33.441	34.587	24.011	1.025	14.767
2/17/2018 15:45	236700	68.312	15.514	153.88	41669.431	50869.821	33.46	34.603	23.999	1.025	14.765
2/17/2018 16:00	237600	68.308	15.514	153.871	41678.629	50901.133	33.468	34.613	23.993	1.025	14.764
2/17/2018 16:15	238500	68.29	15.514	153.831	41666.973	50886.234	33.457	34.603	24	1.025	14.769
2/17/2018 16:30	239400	68.279	15.516	153.796	41635.656	50847.269	33.429	34.578	24.012	1.025	14.77
2/17/2018 16:45	240300	68.274	15.515	153.793	41691.887	50915.512	33.479	34.623	23.985	1.025	14.76
2/17/2018 17:00	241200	68.255	15.516	153.75	41676.281	50896.355	33.465	34.61	23.994	1.025	14.771
2/17/2018 17:15	242100	68.245	15.517	153.755	41680.539	50903.123	33.463	34.609	23.997	1.025	14.772
2/17/2018 17:30	243000	68.237	15.516	153.711	41654.656	50869.313	33.445	34.591	24.007	1.025	14.763
2/17/2018 17:45	243900	68.23	15.517	153.696	41646.793	50858.25	33.437	34.584	24.011	1.025	14.764
2/17/2018 18:00	244800	68.223	15.516	153.68	41651.082	50861.082	33.432	34.582	24.009	1.025	14.765
2/17/2018 18:15	245700	68.21	15.519	153.65	41659.293	50872.047	33.447	34.593	24.004	1.025	14.764
2/17/2018 18:30	246600	68.207	15.519	153.642	41665.48	50879.398	33.453	34.598	24.001	1.025	14.765
2/17/2018 18:45	247500	68.213	15.517	153.653	41657.047	50877.626	33.459	34.609	23.998	1.025	14.766
2/17/2018 19:00	248400	68.205	15.52	153.639	41657.359	50883.328	33.445	34.59	24.005	1.025	14.757
2/17/2018 19:15	249300	68.204	15.52	153.636	41673.13	50887.055	33.459	34.603	23.996	1.025	14.757
2/17/2018 19:30	250200	68.201	15.521	153.615	41652.616	50875.312	33.451	34.586	24.002	1.025	14.758
2/17/2018 19:45	251100	68.195	15.521	153.617	41668.719	50880.734	33.454	34.599	23.999	1.025	14.76
2/17/2018 20:00	252000	68.202	15.521	153.631	41681.742	50899.391	33.468	34.612	23.99	1.025	14.755
2/17/2018 20:15	252900	68.201	15.521	153.636	41676.155	50893.566	33.46	34.605	23.994	1.025	14.754
2/17/2018 20:30	253800	68.198	15.522	153.63	41696.141	50913.059	33.472	34.621	23.983	1.025	14.752
2/17/2018 20:45	254700	68.206	15.522	153.641	41670.418	50881.453	33.455	34.599	23.998	1.025	14.748
2/17/2018 21:00	255600	68.206	15.522	153.641	41667.418	50877.461	33.452	34.597	24	1.025	14.752
2/17/2018 21:15	256500	68.205	15.523	153.649	41639.648	50842.984	33.426	34.573	24.016	1.025	14.751
2/17/2018 21:30	257400	68.218	15.523	153.667	41664.139	50873.004	33.448	34.594	24.001	1.025	14.75
2/17/2018 21:45	258300										

2/18/2018 19:00	334800	68.154	15.52	153.523	41678.172	50893.32	33.463	34.607	23.993	1.025	14.725
2/18/2018 19:15	335100	68.149	15.52	153.513	41664.46	50876.462	33.461	34.596	24.001	1.025	14.725
2/18/2018 19:30	336000	68.148	15.52	153.51	41686.484	50902.934	33.47	34.614	23.989	1.025	14.725
2/18/2018 19:45	337500	68.136	15.521	153.482	41663.461	50873.891	33.449	34.594	24.002	1.025	14.727
2/18/2018 20:00	338400	68.144	15.521	153.485	41658.22	50858.22	33.455	34.549	24.005	1.025	14.724
2/18/2018 20:15	339300	68.149	15.522	153.493	41663.746	50861.402	33.44	34.586	24.007	1.025	14.731
2/18/2018 20:30	340200	68.144	15.521	153.502	41653.637	50861.684	33.44	34.586	24.008	1.025	14.722
2/18/2018 20:45	341100	68.145	15.523	153.502	41661.036	50869.219	33.446	34.591	24.003	1.025	14.73
2/18/2018 21:00	342000	68.147	15.524	153.508	41670.508	50881.422	33.455	34.599	24.005	1.025	14.731
2/18/2018 21:15	342900	68.153	15.523	153.521	41670.742	50880.578	33.454	34.599	23.998	1.025	14.729
2/18/2018 21:30	343800	68.164	15.523	153.546	41693.101	50907.926	33.474	34.617	23.985	1.025	14.73
2/18/2018 21:45	344700	68.162	15.523	153.541	41689.184	50902.683	33.47	34.604	23.987	1.025	14.733
2/18/2018 22:00	345600	68.158	15.524	153.547	41689.52	50902.457	33.47	34.614	23.987	1.025	14.734
2/18/2018 22:15	346500	68.167	15.524	153.554	41706.646	50923.918	33.486	34.628	23.977	1.025	14.736
2/18/2018 22:30	347400	68.172	15.524	153.564	41669.179	50878.488	33.462	34.597	23.984	1.025	14.736
2/18/2018 22:45	348300	68.181	15.524	153.584	41661.098	50867.645	33.455	34.59	23.993	1.025	14.732
2/18/2018 23:00	349200	68.192	15.523	153.608	41647.715	50852.348	33.433	34.58	24.011	1.025	14.73
2/18/2018 23:15	350100	68.197	15.523	153.621	41689.869	50894.059	33.471	34.615	23.987	1.025	14.727
2/18/2018 23:30	351000	68.201	15.523	153.63	41683.477	50895.813	33.465	34.609	23.99	1.025	14.734
2/18/2018 23:45	351900	68.212	15.524	153.654	41680.246	50891.559	33.462	34.606	23.992	1.025	14.729
2/19/2018 0:00	352800	68.214	15.524	153.659	41708.098	50916.277	33.488	34.63	23.976	1.025	14.738
2/19/2018 0:15	353700	68.219	15.523	153.669	41657.781	50864.559	33.442	34.588	24.005	1.025	14.732
2/19/2018 0:30	354600	68.224	15.523	153.681	41648.766	50854.262	33.435	34.581	24.01	1.025	14.728
2/19/2018 0:45	355500	68.226	15.523	153.686	41682.723	50895.316	33.465	34.609	23.991	1.025	14.736
2/19/2018 1:00	356400	68.232	15.522	153.699	41679.367	50892.469	33.463	34.607	23.993	1.025	14.735
2/19/2018 1:15	357300	68.237	15.521	153.71	41684.93	50900.133	33.468	34.612	23.989	1.025	14.734
2/19/2018 1:30	358200	68.241	15.521	153.724	41678.145	50891.609	33.462	34.606	23.993	1.025	14.733
2/19/2018 1:45	359100	68.241	15.521	153.719	41671.191	50883.219	33.456	34.601	23.997	1.025	14.739
2/19/2018 2:00	360000	68.242	15.52	153.722	41689.754	50907.246	33.473	34.617	23.987	1.025	14.732
2/19/2018 2:15	360900	68.249	15.52	153.738	41693.973	50925.724	33.481	34.628	23.981	1.025	14.731
2/19/2018 2:30	361800	68.252	15.52	153.74	41661.039	50872.496	33.448	34.593	24.003	1.025	14.733
2/19/2018 2:45	362700	68.249	15.519	153.737	41665.031	50878.324	33.452	34.597	24.001	1.025	14.733
2/19/2018 3:00	363600	68.254	15.519	153.749	41663.309	50878.434	33.452	34.597	24.001	1.025	14.726
2/19/2018 3:15	364500	68.247	15.518	153.748	41670.965	50886.568	33.458	34.598	24.002	1.025	14.722
2/19/2018 3:30	365400	68.246	15.519	153.731	41698.445	50919.02	33.482	34.625	23.982	1.025	14.725
2/19/2018 3:45	366300	68.242	15.518	153.721	41641.242	50850.633	33.452	34.578	24.015	1.025	14.726
2/19/2018 4:00	367200	68.243	15.518	153.723	41677.797	50895.695	33.465	34.602	23.994	1.025	14.728
2/19/2018 4:15	368100	68.234	15.517	153.704	41664.52	50879.789	33.453	34.598	24.001	1.025	14.724
2/19/2018 4:30	369000	68.236	15.518	153.709	41663.031	50877.129	33.451	34.596	24.002	1.025	14.727
2/19/2018 4:45	369900	68.235	15.517	153.716	41700.934	50902.486	33.469	34.606	23.986	1.025	14.723
2/19/2018 5:00	370800	68.239	15.518	153.715	41686.945	50906.648	33.473	34.617	23.988	1.025	14.719
2/19/2018 5:15	371700	68.239	15.517	153.716	41688.852	50910.438	33.475	34.619	23.987	1.025	14.722
2/19/2018 5:30	372600	68.227	15.517	153.687	41676.148	50892.411	33.469	34.612	23.992	1.025	14.723
2/19/2018 5:45	373500	68.226	15.517	153.685	41674.405	50892.145	33.462	34.607	23.996	1.025	14.723
2/19/2018 6:00	374400	68.223	15.517	153.679	41700.405	50924.113	33.485	34.628	23.981	1.025	14.725
2/19/2018 6:15	375300	68.212	15.516	153.664	41705.766	50930.678	33.491	34.632	23.973	1.025	14.723
2/19/2018 6:30	376200	68.219	15.517	153.67	41696.074	50918.845	33.482	34.625	23.983	1.025	14.726
2/19/2018 6:45	377100	68.22	15.517	153.672	41695.863	50918.492	33.481	34.625	23.983	1.025	14.724
2/19/2018 7:00	378000	68.217	15.517	153.657	41679.949	50898.617	33.467	34.61	23.992	1.025	14.722
2/19/2018 7:15	378900	68.218	15.517	153.667	41697.371	50920.336	33.483	34.626	23.982	1.025	14.723
2/19/2018 7:30	379800	68.216	15.517	153.663	41659.301	50874.152	33.449	34.594	24.004	1.025	14.726
2/19/2018 7:45	380700	68.22	15.517	153.673	41668.673	50885.673	33.467	34.602	23.999	1.025	14.722
2/19/2018 8:00	381600	68.218	15.517	153.669	41655.961	50869.445	33.451	34.591	24.006	1.025	14.731
2/19/2018 8:15	382500	68.217	15.517	153.666	41677.195	50895.168	33.464	34.609	23.994	1.025	14.737
2/19/2018 8:30	383400	68.208	15.517	153.646	41638.546	50848.505	33.43	34.577	24.016	1.025	14.733
2/19/2018 8:45	384300	68.208	15.519	153.646	41680.09	50909.348	33.475	34.618	23.987	1.025	14.742
2/19/2018 9:00	385200	68.221	15.518	153.675	41675.113	50892.527	33.462	34.607	23.995	1.025	14.74
2/19/2018 9:15	386100	68.215	15.518	153.66	41635.258	50843.613	33.426	34.574	24.018	1.025	14.737
2/19/2018 9:30	387000	68.222	15.517	153.677	41650.887	50862.887	33.441	34.581	24.007	1.025	14.747
2/19/2018 9:45	387900	68.228	15.517	153.641	41642.621	50853.672	33.434	34.578	24.01	1.025	14.754
2/19/2018 10:00	388800	68.228	15.517	153.689	41664.405	50880.019	33.453	34.598	24.001	1.025	14.755
2/19/2018 10:15	389700	68.241	15.519	153.719	41669.627	50896.957	33.458	34.602	23.995	1.025	14.752
2/19/2018 10:30	390600	68.247	15.517	153.734	41713.809	50940.406	33.497	34.639	23.973	1.025	14.754
2/19/2018 10:45	391500	68.255	15.517	153.752	41682.473	50902.048	33.47	34.614	23.991	1.025	14.749
2/19/2018 11:00	392400	68.265	15.517	153.773	41681.082	50901.082	33.461	34.612	23.992	1.025	14.751
2/19/2018 11:15	393300	68.272	15.516	153.789	41661	50877.691	33.451	34.597	24.003	1.025	14.748
2/19/2018 11:30	394200	68.271	15.516	153.787	41676.52	50895.91	33.465	34.609	23.994	1.025	14.753
2/19/2018 11:45	395100	68.272	15.515	153.792	41670.508	50890.402	33.466	34.606	23.996	1.025	14.751
2/19/2018 12:00	396000	68.283	15.516	153.813	41678.414	50898.324	33.466	34.611	23.993	1.025	14.752
2/19/2018 12:15	396900	68.288	15.515	153.826	41662.727	50880.422	33.453	34.599	24.002	1.025	14.739
2/19/2018 12:30	397800	68.286	15.514	153.82	41667.406	50874.509	33.449	34.594	24.009	1.025	14.746
2/19/2018 12:45	398700	68.292	15.514	153.834	41667.195	50867.566	33.458	34.604	24	1.025	14.74
2/19/2018 13:00	399600	68.294	15.513	153.839	41687.402	50912.457	33.477	34.62	23.988	1.025	14.747
2/19/2018 13:15	400500	68.298	15.514	153.848	41641.038	50851.385	33.435	34.575	24.013	1.025	14.746
2/19/2018 13:30	401400	68.301	15.512	153.855	41663.219	50884.594	33.456	34.602	23.982	1.025	14.745
2/19/2018 13:45	402300	68.31	15.513	153.875	41667.266	50888.598	33.459	34.604	24	1.025	14.738
2/19/2018 14:00	403200	68.302	15.512	153.888	41674.397	50897.586	33.457	34.601	23.996	1.025	14.734
2/19/2018 14:15	404100	68.304	15.512	153.862	41660.363	50881.215	33.454	34.599	24.004	1.025	14.737
2/19/2018 14:30	405000	68.304	15.51	153.862	41677.164	50903.52	33.47	34.614	23.994	1.025	14.735
2/19/2018 14:45	405900	68.297	15.51	153.871	41678.648	50905.441	33.471	34.615	23.993	1.025	14.741
2/19/2018 15:00	406800	68.295	15.511	153.841	41686.339	50913.477	33.453	34.588	24.017	1.025	14.746
2/19/2018 15:15	407700	68.299	15.51	153.849	41662.012	50885.012	33.456	34.602	24.003	1.025	14.734</

2/20/2018 12:45	485100	68.197	15.512	153.621	41677.125	50901.785	33.469	34.613	23.994	1.025	14.841
2/20/2018 13:00	486020	68.198	15.512	153.626	41678.130	50899.711	33.468	34.614	23.994	1.025	14.841
2/20/2018 13:15	486900	68.198	15.512	153.623	41658.584	50878.584	33.452	34.597	24.005	1.025	14.839
2/20/2018 13:30	487800	68.204	15.511	153.635	41680.32	50906.324	33.472	34.616	23.992	1.025	14.832
2/20/2018 13:45	488700	68.203	15.511	153.634	41684.898	50911.805	33.476	34.625	23.99	1.025	14.832
2/20/2018 14:00	489600	68.206	15.511	153.641	41700.844	50930.844	33.49	34.633	23.98	1.025	14.832
2/20/2018 14:15	490500	68.206	15.511	153.641	41659.965	50881.867	33.454	34.6	24.004	1.025	14.827
2/20/2018 14:30	491400	68.209	15.511	153.648	41675	50900.023	33.467	34.612	23.995	1.025	14.833
2/20/2018 14:45	492300	68.21	15.511	153.649	41674.621	50899.668	33.467	34.612	23.992	1.025	14.834
2/20/2018 15:00	493200	68.205	15.511	153.639	41670.16	50895.172	33.464	34.609	23.998	1.025	14.832
2/20/2018 15:15	494100	68.206	15.511	153.641	41690.598	50919.809	33.482	34.625	23.986	1.025	14.827
2/20/2018 15:30	495000	68.196	15.511	153.619	41691.746	50920.197	33.482	34.626	23.986	1.025	14.833
2/20/2018 15:45	495900	68.196	15.511	153.618	41668.387	50893.113	33.467	34.607	23.999	1.025	14.833
2/20/2018 16:00	496800	68.181	15.511	153.585	41680.766	50907.273	33.473	34.617	23.992	1.025	14.835
2/20/2018 16:15	497700	68.18	15.511	153.582	41673.705	50899.176	33.467	34.611	23.986	1.025	14.834
2/20/2018 16:30	498600	68.174	15.511	153.568	41667.531	50890.902	33.461	34.606	24	1.025	14.831
2/20/2018 16:45	499500	68.178	15.511	153.578	41686.25	50913.457	33.477	34.621	23.989	1.025	14.822
2/20/2018 17:00	500400	68.162	15.511	153.541	41680.377	50914.139	33.468	34.641	23.975	1.025	14.829
2/20/2018 17:15	501300	68.159	15.511	153.535	41700.398	50931.254	33.49	34.633	23.981	1.025	14.827
2/20/2018 17:30	502200	68.153	15.511	153.52	41702.859	50933.852	33.492	34.635	23.979	1.025	14.832
2/20/2018 17:45	503100	68.148	15.511	153.509	41705.797	50942.117	33.498	34.641	23.975	1.025	14.829
2/20/2018 18:00	504000	68.136	15.512	153.482	41682.859	50908.582	33.474	34.618	23.991	1.025	14.836
2/20/2018 18:15	504900	68.136	15.512	153.484	41682.148	50907.496	33.473	34.617	23.991	1.025	14.828
2/20/2018 18:30	505800	68.135	15.512	153.475	41649.809	50868.323	33.444	34.591	24.01	1.025	14.83
2/20/2018 18:45	506700	68.123	15.512	153.453	41650.266	50868.348	33.444	34.59	24.009	1.025	14.829
2/20/2018 19:00	507600	68.117	15.513	153.44	41679.891	50904.016	33.47	34.615	23.992	1.025	14.832
2/20/2018 19:15	508500	68.121	15.513	153.45	41679.826	50867.109	33.463	34.59	24.01	1.025	14.826
2/20/2018 19:30	509400	68.106	15.512	153.416	41642.863	50859.309	33.438	34.584	24.014	1.025	14.83
2/20/2018 19:45	510300	68.102	15.514	153.415	41694.883	50920.645	33.483	34.626	23.984	1.025	14.833
2/20/2018 20:00	511200	68.112	15.512	153.429	41679.328	50901.859	33.469	34.631	23.993	1.025	14.834
2/20/2018 20:15	512100	68.098	15.514	153.398	41667.137	50875.066	33.449	34.595	24.005	1.025	14.837
2/20/2018 20:30	513000	68.103	15.515	153.408	41679.148	50901.004	33.468	34.613	23.993	1.025	14.834
2/20/2018 20:45	513900	68.1	15.515	153.401	41666.59	50885.141	33.457	34.602	24	1.025	14.843
2/20/2018 21:00	514800	68.095	15.514	153.4	41715.109	50945.71	33.504	34.646	23.994	1.025	14.838
2/20/2018 21:15	515700	68.093	15.515	153.387	41681.176	50902.758	33.47	34.614	23.992	1.025	14.846
2/20/2018 21:30	516600	68.106	15.515	153.415	41684.891	50906.969	33.473	34.617	23.99	1.025	14.833
2/20/2018 21:45	517500	68.107	15.516	153.396	41714.42	50941.32	33.469	34.621	23.977	1.025	14.84
2/20/2018 22:00	518400	68.105	15.516	153.413	41702.398	50927.613	33.488	34.631	23.979	1.025	14.838
2/20/2018 22:15	519300	68.111	15.516	153.426	41669.992	50888.141	33.459	34.604	23.998	1.025	14.835
2/20/2018 22:30	520200	68.106	15.516	153.438	41652.156	50866.195	33.461	34.585	24.002	1.025	14.836
2/20/2018 22:45	521100	68.112	15.516	153.428	41691.992	50914.906	33.479	34.622	23.985	1.025	14.84
2/20/2018 23:00	522000	68.119	15.517	153.446	41667.198	50884.238	33.456	34.601	24	1.025	14.837
2/20/2018 23:15	522900	68.13	15.517	153.466	41673.466	50915.359	33.478	34.62	23.985	1.025	14.842
2/20/2018 23:30	523800	68.122	15.518	153.451	41702.375	50925.711	33.487	34.629	23.979	1.025	14.838
2/20/2018 23:45	524700	68.134	15.517	153.479	41698.988	50921.988	33.484	34.627	23.981	1.025	14.839
2/21/2018 0:00	525600	68.143	15.517	153.495	41677.837	50896.635	33.465	34.61	23.994	1.025	14.839
2/21/2018 0:15	526500	68.144	15.517	153.501	41690.117	50911.156	33.476	34.62	23.986	1.025	14.832
2/21/2018 0:30	527400	68.149	15.517	153.513	41665.895	50881.676	33.454	34.6	24	1.025	14.83
2/21/2018 0:45	528300	68.153	15.518	153.529	41692.549	50924.528	33.482	34.622	23.985	1.025	14.834
2/21/2018 1:00	529200	68.159	15.517	153.535	41703.52	50928.25	33.488	34.631	23.979	1.025	14.832
2/21/2018 1:15	530100	68.171	15.516	153.561	41681.109	50901.715	33.469	34.613	23.992	1.025	14.823
2/21/2018 1:30	531000	68.178	15.516	153.577	41675.616	50879.577	33.463	34.604	23.995	1.025	14.821
2/21/2018 1:45	531900	68.189	15.516	153.603	41696.022	50920.41	33.483	34.626	23.983	1.025	14.818
2/21/2018 2:00	532800	68.204	15.516	153.637	41667.645	50884.66	33.462	34.602	23.999	1.025	14.826
2/21/2018 2:15	533700	68.205	15.515	153.608	41708.781	50936.25	33.484	34.637	23.976	1.025	14.831
2/21/2018 2:30	534600	68.203	15.515	153.614	41705.546	50917.566	33.495	34.638	23.975	1.025	14.818
2/21/2018 2:45	535500	68.208	15.516	153.646	41676.199	50898.254	33.465	34.609	23.995	1.025	14.821
2/21/2018 3:00	536400	68.22	15.515	153.671	41714.148	50941.679	33.5	34.642	23.973	1.025	14.815
2/21/2018 3:15	537300	68.224	15.517	153.679	41690.156	50915.479	33.479	34.641	23.98	1.025	14.807
2/21/2018 3:30	538200	68.209	15.513	153.647	41687	50912.813	33.477	34.621	23.988	1.025	14.82
2/21/2018 3:45	539100	68.211	15.514	153.653	41694.832	50921.316	33.483	34.626	23.984	1.025	14.811
2/21/2018 4:00	540000	68.215	15.516	153.669	41713.148	50941.34	33.5	34.642	23.977	1.025	14.805
2/21/2018 4:15	540900	68.213	15.512	153.656	41667.059	50888.656	33.459	34.604	24	1.025	14.808
2/21/2018 4:30	541800	68.212	15.512	153.654	41688.664	50916.086	33.479	34.623	23.987	1.025	14.811
2/21/2018 4:45	542700	68.214	15.512	153.658	41710.84	50942.88	33.49	34.645	23.978	1.025	14.812
2/21/2018 5:00	543600	68.205	15.511	153.636	41696.402	50926.063	33.486	34.63	23.983	1.025	14.82
2/21/2018 5:15	544500	68.201	15.512	153.63	41676.469	50901.313	33.468	34.613	23.994	1.025	14.823
2/21/2018 5:30	545400	68.204	15.512	153.64	41679.265	50912.62	33.472	34.618	23.992	1.025	14.821
2/21/2018 5:45	546300	68.195	15.511	153.617	41683.93	50911.137	33.475	34.62	23.99	1.025	14.821
2/21/2018 6:00	547200	68.194	15.511	153.615	41716.613	50950.957	33.505	34.647	23.971	1.025	14.822
2/21/2018 6:15	548100	68.189	15.511	153.605	41686.77	50919.79	33.479	34.639	23.98	1.025	14.823
2/21/2018 6:30	549000	68.188	15.511	153.599	41679.852	50906.156	33.472	34.616	23.992	1.025	14.816
2/21/2018 6:45	549900	68.179	15.511	153.58	41705.832	50938.316	33.495	34.638	23.977	1.025	14.823
2/21/2018 7:00	550800	68.172	15.511	153.564	41679.325	50914.125	33.472	34.612	23.992	1.025	14.828
2/21/2018 7:15	551700	68.168	15.511	153.555	41668.238	50899.133	33.462	34.607	23.999	1.025	14.83
2/21/2018 7:30	552600	68.162	15.512	153.542	41670.25	50893.289	33.462	34.607	23.998	1.025	14.831
2/21/2018 7:45	553500	68.167	15.512	153.559	41706.453	50917.438	33.482	34.622	23.96	1.025	14.827
2/21/2018 8:00	554400	68.165	15.514	153.54	41703.299	50914.172	33.492	34.615	23.979	1.025	14.822
2/21/2018 8:15	555300	68.15	15.512	153.515	41693.155	50921.281	33.483	34.626	23.985	1.025	14.828
2/21/2018 8:30	556200	68.138	15.512	153.487	41671.711	50894.339	33.463	34.608	23.986	1.025	14.832
2/21/2018 8:45	557100	68.135	15.512	153.482	41645.57	50863.446	33.44	34.587	24.012	1.025	14.827
2/21/2018 9:00	558000	68.131	15.512	153.472	41683.512	50909.488	33.474	34.618	23.99	1.025	14.832
2/21/2018 9:15	558900	68.136	15.512	153.482	41674.473	50898.219	33.466	34.611			

Report Date: 2/23/2018 14:43
Report User Name: A\winshu
Report Computer Name: WKST34
Application: WinShu.exe
Application Version: 5.6.25.0

Log File Properties
File Name: MPWSP MW-15 LT Test_2018-02-22_14-18-09-284.wsl
Create Date: 2/22/2018 14:17

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: PRCBCKL
Application: WinShu.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: nreynolds
10/27/2015 11:43 Log Download - Used Battery: 1% Used Memory: 3% User Name: nreynolds
10/28/2015 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 1:40:00 PM
11/12/2015 9:38 Log Download - Used Battery: 2% Used Memory: 4% User Name: Cshaw
11/18/2015 14:51 Log Download - Used Battery: 3% Used Memory: 4% User Name: kMakar Interval - Start Time: 11/12/2015 7:00:00 AM Stop Time: 11/18/2015 2:50:00 PM
11/28/2015 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: 11/28/2015 10:00:00 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 10:30:00 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 8:45:00 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 11:00:00 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 10:45:00 AM
1/7/2016 10:10 Log Download - Used Battery: 5% Used Memory: 10% User Name: kMakar Interval - Start Time: 12/13/2015 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 8:15:00 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 11:30:00 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 1:30:00 PM
2/4/2016 9:17 Log Download - Used Battery: 7% Used Memory: 14% User Name: Cshaw Interval - Start Time: 12/13/2015 1:00:00 AM Stop Time: 2/4/2016 10:15:00 AM
2/11/2016 9:09 Log Download - Used Battery: 7% Used Memory: 14% User Name: Cshaw Interval - Start Time: 2/2/2016 3:30:00 PM Stop Time: 2/11/2016 10:00:00 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 9:45:00 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 11:45:00 AM
3/1/2016 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: 3/1/2016 9:00:00 AM
3/1/2016 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: 3/1/2016 8:30:00 AM
3/7/2016 17:50 Log Download - Used Battery: 9% Used Memory: 18% User Name: Skuiper Interval - Start Time: 3/8/2016 6:00:00 AM Stop Time: 3/7/2016 6:45:00 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 12:15:00 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 11:45:00 AM
4/7/2016 12:00 Log Download - Used Battery: 10% Used Memory: 21% User Name: kMakar Interval - Start Time: 3/28/2016 5:00:00 PM Stop Time: 4/7/2016 12:00:00 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 21:50:00 PM
4/1/2016 10:34 Log Download - Used Battery: 11% Used Memory: 23% User Name: Elundin Interval - Start Time: 4/1/2016 1:30:00 PM Stop Time: 4/2/2016 11:30:00 AM
4/28/2016 11:02 Log Download - Used Battery: 11% Used Memory: 23% User Name: kMakar Interval - Start Time: 4/18/2016 5:00:00 PM Stop Time: 4/28/2016 11:00:00 AM
5/1/2016 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: 5/2/2016 12:30:00 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 4:45:00 PM
5/19/2016 16:14 Log Download - Used Battery: 12% Used Memory: 26% User Name: Elundin Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 5:30:00 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 21:50:00 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 21:50:00 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 11:45:00 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 6:30:00 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 5:30:00 PM
6/30/2016 15:09 Log Download - Used Battery: 14% Used Memory: 31% User Name: Skuiper Interval - Start Time: 6/23/2016 12:00:00 PM Stop Time: 6/30/2016 5:45:00 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 3:45:00 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 9:15:00 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 10:00:00 AM
7/14/2016 12:44 Log Download - Used Battery: 15% Used Memory: 32% User Name: Elundin Interval - Start Time: 7/5/2016 12:00:00 PM Stop Time: 7/14/2016 1:30:00 PM
7/21/2016 13:52 Log Download - Used Battery: 15% Used Memory: 34% User Name: Skuiper Interval - Start Time: 7/13/2016 10:00:00 PM Stop Time: 7/21/2016 1:45:00 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 3:30:00 PM
8/4/2016 12:08 Log Download - Used Battery: 16% Used Memory: 35% User Name: Skuiper Interval - Start Time: 8/2/2016 10:00:00 PM Stop Time: 8/4/2016 12:00:00 PM
8/11/2016 13:56 Log Download - Used Battery: 16% Used Memory: 35% User Name: Elundin Interval - Start Time: 8/3/2016 12:00:00 PM Stop Time: 8/11/2016 2:45:00 PM
8/18/2016 11:17 Log Download - Used Battery: 17% Used Memory: 37% User Name: Skuiper Interval - Start Time: 8/10/2016 10:00:00 PM Stop Time: 8/18/2016 12:00:00 PM
8/25/2016 16:34 Log Download - Used Battery: 17% Used Memory: 37% User Name: Elundin Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 5:30:00 PM
9/1/2016 13:17 Log Download - Used Battery: 17% Used Memory: 39% User Name: skuiper Interval - Start Time: 7/31/2016 10:00:00 PM Stop Time: 9/1/2016 1:15:00 PM
9/8/2016 11:31 Log Download - Used Battery: 18% Used Memory: 39% User Name: Skuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/8/2016 12:15:00 PM
9/15/2016 18:11 Log Download - Used Battery: 18% Used Memory: 40% User Name: Akmoris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 3:30:00 PM
9/22/2016 15:44 Log Download - Used Battery: 19% Used Memory: 40% User Name: Akmoris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 4:30:00 PM
10/2/2016 8:30 Log Download - Used Battery: 19% Used Memory: 42% User Name: Akmoris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/2/2016 6:15:00 AM
10/7/2016 18:21 Log Download - Used Battery: 19% Used Memory: 42% User Name: Skuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/7/2016 6:15:00 PM
10/13/2016 13:26 Log Download - Used Battery: 20% Used Memory: 43% User Name: Skuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 1:15:00 PM
10/20/2016 12:17 Log Download - Used Battery: 20% Used Memory: 43% User Name: Skuiper Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 12:15:00 PM
10/27/2016 9:50 Log Download - Used Battery: 20% Used Memory: 43% User Name: Skuiper Interval - Start Time: 10/19/2016 10:00:00 PM Stop Time: 10/27/2016 9:45:00 AM
11/7/2016 9:19 Log Download - Used Battery: 21% Used Memory: 45% User Name: Skuiper Interval - Start Time: 9/30/2016 10:00:00 PM Stop Time: 11/3/2016 10:15:00 AM
11/10/2016 10:45 Log Download - Used Battery: 21% Used Memory: 46% User Name: Skuiper Interval - Start Time: 11/2/2016 10:00:00 PM Stop Time: 11/10/2016 10:45:00 AM
11/17/2016 8:39 Log Download - Used Battery: 21% Used Memory: 46% User Name: Skuiper Interval - Start Time: 11/9/2016 10:00:00 PM Stop Time: 11/17/2016 8:30:00 AM
11/24/2016 16:03 Log Download - Used Battery: 22% Used Memory: 48% 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 12:21 Log Download - Used Battery: 22% Used Memory: 48% User Name: Skuiper Interval - Start Time: 10/31/2016 10:00:00 PM Stop Time: 12/1/2016 1:15:00 PM
12/8/2016 12:37 Log Download - Used Battery: 22% Used Memory: 50% User Name: Skuiper Interval - Start Time: 12/1/2016 12:00:00 PM Stop Time: 12/8/2016 12:30:00 PM
12/15/2016 10:48 Log Download - Used Battery: 23% Used Memory: 51% User Name: Akmoris Interval - Start Time: 12/7/2016 10:00:00 PM Stop Time: 12/15/2016 10:45:00 AM
12/22/2016 19:30 Log Download - Used Battery: 23% Used Memory: 51% User Name: Akmoris Interval - Start Time: 12/14/2016 10:00:00 PM Stop Time: 12/22/2016 8:15:00 PM
1/5/2017 15:40 Log Download - Used Battery: 24% Used Memory: 53% User Name: Skuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 1/5/2017 3:30:00 PM

Log Data:
Record Count: 737

Sensors: 1
1 421436 PCTD 100 PSIG (70m/231ft)

Time Zone: Pacific Standard Time		Sensor: PCTD(G) 231ft SNR: 421436 Pressure (PSI)	Sensor: PCTD(G) 231ft SNR: 421436 Temperature (C)	Sensor: PCTD(G) 231ft SNR: 421436 Depth (ft)	Sensor: PCTD(G) 231ft SNR: 421436 Actual Conductivity (uS)	Sensor: PCTD(G) 231ft SNR: 421436 Specific Conductivity (uS)	Sensor: PCTD(G) 231ft SNR: 421436 Salinity (PSU)	Sensor: PCTD(G) 231ft SNR: 421436 Total Dissolved Solids (ppm)	Sensor: PCTD(G) 231ft SNR: 421436 Resistivity (ohm-cm)	Sensor: PCTD(G) 231ft SNR: 421436 Water Density (g/cm3)
Date and Time	Elapsed Time Seconds									
2/15/2018 0:00	7200	19.374	14.527	43.643	40637.445	50798.789	33.314	34541.18	24.608	1.025
2/15/2018 0:15	8100	19.377	14.528	43.637	40644.852	50807.547	33.312	34548.102	24.603	1.025
2/15/2018 0:30	9000	19.372	14.526	43.637	40652.934	50815.022	33.328	34556.934	24.598	1.025
2/15/2018 0:45	9900	19.372	14.527	43.637	40616.75	50798.457	33.313	34542.949	24.608	1.025
2/15/2018 1:00	10800	19.376	14.528	43.643	40641.508	50815.574	33.318	34567.119	24.605	1.025
2/15/2018 1:15	11700	19.376	14.528	43.647	40663.861	50830.781	33.337	34564.93	24.592	1.025
2/15/2018 1:30	12600	19.374	14.524	43.643	40617.57	50802.398	33.316	34545.637	24.608	1.025
2/15/2018 1:45	13500	19.374	14.528	43.641	40605.986	50795.875	33.313	34561.199	24.609	1.025
2/15/2018 2:00	14400	19.378	14.527	43.651	40621.27	50797.336	33.299	34529.949	24.618	1.025
2/15/2018 2:15	15300	19.378	14.526	43.651	40642.426	50806.207	33.319	34548.227	24.605	1.025
2/15/2018 2:30	16200	19.378	14.526	43.652	40629.318	50801.879	33.338	34565.68	24.592	1.025
2/15/2018 2:45	17100	19.379	14.529	43.654	40641.402	50801.59	33.316	34545.082	24.605	1.025
2/15/2018 3:00	18000	19.377	14.526	43.648	40625.336	50785.789	33.303	34533.914	24.615	1.025
2/15/2018 3:15	18900	19.375	14.528	43.643	40618.977	50775.063	33.296	34527.947	24.619	1.025
2/15/2018 3:30	19800	19.374	14.529	43.643	40648.379	50810.734	33.322	34551.305	24.601	1.025
2/15/2018 3:45	20700	19.372	14.525	43.637	40664.594	50835.098	33.34	34567.867	24.591	1.025
2/15/2018 4:00	21600	19.374	14.529	43.643	40625.234	50795.59	33.323	34561.641	24.605	1.025
2/15/2018 4:15	22500	19.367	14.526	43.625	40644.686	50809.031	33.321	34550.143	24.603	1.025
2/15/2018 4:30	23400	19.366	14.528	43.624	40630.336	50788.832	33.306	34536.406	24.612	1.025
2/15/2018 4:45	24300	19.367	14.527	43.627	40606.852	50796.047	33.313	34542.676	24.608	1.025
2/15/2018 5:00	25200	19.367	14.526	43.629	40629.318	50796.473	33.307	34537.323	24.611	1.025
2/15/2018 5:15	26100	19.363	14.529	43.617	40606.211	50757.387	33.283	34515.027	24.627	1.025
2/15/2018 5:30	27000	19.365	14.526	43.621	40651.039	50816.863	33.327	34555.469	24.6	1.025
2/15/2018 5:45	27900	19.364	14.529	43.624	40645.457	50811.121	33.323	34551.563	24.601	1.025
2/15/2018 6:00	28800	19.358	14.528	43.605	40630.477	50788.477	33.306	34536.168	24.612	1.025
2/15/2018 6:15	29700	19.359	14.527	43.608	40653.918	50815.918	33.329	34557.543	24.598	1.025
2/15/2018 6:30	30600	19.359	14.528	43.608	40665.914	50833.514	33.339	34567.063	24.591	1.025
2/15/2018 6:45	31500	19.359	14.531	43.608	40638	50795.402	33.311	34540.879	24.608	1.025
2/15/2018 7:00	32400	19.364	14.529	43.619	40645.641	50807.313	33.32	34548.973	24.603	1.025

2/15/2018 7:15	33300	19.359	14.527	43.609	40646.336	50801.012	33.322	34550.813	24.602	1.025
2/15/2018 7:30	34200	19.366	14.528	43.623	40680.891	50851.806	33.352	34579.23	24.582	1.025
2/15/2018 7:45	35100	19.373	14.528	43.64	40676.73	50784.802	33.303	34533.699	24.614	1.025
2/15/2018 8:00	36000	19.374	14.531	43.641	40641.934	50799.66	33.314	34543.77	24.605	1.025
2/15/2018 8:15	36900	19.377	14.527	43.644	40644.703	50807.758	33.322	34549.277	24.603	1.025
2/15/2018 8:30	37800	19.381	14.529	43.657	40684.582	50855.141	33.355	34581.496	24.579	1.025
2/15/2018 8:45	38700	19.391	14.529	43.68	40634.879	50793.543	33.31	34539.613	24.609	1.025
2/15/2018 9:00	39600	19.398	14.528	43.695	40641.902	50801.184	33.317	34546.104	24.605	1.025
2/15/2018 9:15	40500	19.407	14.525	43.713	40631.039	50792.824	33.309	34539.125	24.612	1.025
2/15/2018 9:30	41400	19.412	14.529	43.728	40594.188	50794.188	33.31	34540.047	24.609	1.025
2/15/2018 9:45	42300	19.419	14.527	43.743	40654.808	50820.293	33.329	34557.805	24.597	1.025
2/15/2018 10:00	43200	19.421	14.528	43.748	40658.301	50818.301	33.298	34528.913	24.619	1.025
2/15/2018 10:15	44100	19.424	14.526	43.754	40669.555	50839.797	33.343	34571.063	24.588	1.025
2/15/2018 10:30	45000	19.423	14.528	43.751	40640.109	50800.941	33.315	34544.645	24.606	1.025
2/15/2018 10:45	45900	19.424	14.525	43.754	40650.543	50792.324	33.309	34538.785	24.612	1.025
2/15/2018 11:00	46800	19.435	14.527	43.779	40675.652	50846.977	33.349	34575.945	24.585	1.025
2/15/2018 11:15	47700	19.437	14.526	43.784	40684.113	50858.75	33.357	34583.949	24.58	1.025
2/15/2018 11:30	48600	19.439	14.525	43.785	40671.092	50827.176	33.334	34562.48	24.596	1.025
2/15/2018 11:45	49500	19.446	14.525	43.804	40620.793	50780.879	33.3	34531	24.618	1.025
2/15/2018 12:00	50400	19.448	14.527	43.808	40616.164	50772.086	33.294	34525.02	24.621	1.025
2/15/2018 12:15	51300	19.448	14.527	43.808	40655.883	50822.484	33.321	34559.293	24.597	1.025
2/15/2018 12:30	52200	19.457	14.524	43.829	40655.395	50825.109	33.332	34561.078	24.597	1.025
2/15/2018 12:45	53100	19.457	14.526	43.829	40641.52	50796.324	33.312	34545.1	24.61	1.025
2/15/2018 13:00	54000	19.46	14.528	43.835	40654.203	50812.325	33.328	34556.41	24.598	1.025
2/15/2018 13:15	54900	19.464	14.523	43.844	40644.539	50812.73	33.323	34552.656	24.604	1.025
2/15/2018 13:30	55800	19.464	14.523	43.844	40607.852	50766.754	33.29	34521.398	24.626	1.025
2/15/2018 13:45	56700	19.464	14.525	43.844	40624.102	50784.809	33.303	34533.472	24.616	1.025
2/15/2018 14:00	57600	19.469	14.523	43.855	40631.969	50799.715	33.314	34543.809	24.61	1.025
2/15/2018 14:15	58500	19.464	14.524	43.844	40661.996	50833.785	33.339	34566.977	24.593	1.025
2/15/2018 14:30	59400	19.467	14.522	43.851	40628.266	50793.984	33.31	34539.814	24.613	1.025
2/15/2018 14:45	60300	19.464	14.524	43.844	40621.043	50783.801	33.302	34532.984	24.617	1.025
2/15/2018 15:00	61200	19.469	14.522	43.855	40631.691	50798.379	33.313	34542.898	24.611	1.025
2/15/2018 15:15	62100	19.465	14.522	43.847	40610.156	50770.816	33.293	34524.16	24.624	1.025
2/15/2018 15:30	63000	19.462	14.522	43.841	40646.063	50838.422	33.303	34570.129	24.592	1.025
2/15/2018 15:45	63900	19.46	14.525	43.836	40685.504	50861.348	33.359	34585.715	24.579	1.025
2/15/2018 16:00	64800	19.451	14.524	43.815	40615.664	50780.863	33.3	34530.992	24.619	1.025
2/15/2018 16:15	65700	19.213	14.493	43.531	40655.441	50770.371	33.29	34523.652	24.641	1.025
2/15/2018 16:30	66600	20.373	14.483	45.893	40631.098	50822.094	33.327	34559.023	24.623	1.025
2/15/2018 16:45	67500	20.495	14.48	46.167	40621.547	50762.5	33.283	34518.5	24.653	1.025
2/15/2018 17:00	68400	20.591	14.473	46.593	40606.438	50755.435	33.314	34537.711	24.636	1.025
2/15/2018 17:15	69300	20.673	14.475	46.568	40614.574	50833.426	33.334	34566.73	24.622	1.025
2/15/2018 17:30	70200	20.741	14.476	46.722	40602.617	50817.734	33.323	34556.063	24.629	1.025
2/15/2018 17:45	71100	20.805	14.467	46.864	40571.254	50789.551	33.303	34563.895	24.617	1.025
2/15/2018 18:00	72000	20.864	14.463	46.999	40574.297	50797.781	33.307	34542.496	24.646	1.025
2/15/2018 18:15	72900	20.918	14.456	47.121	40568.328	50798.613	33.307	34543.059	24.65	1.025
2/15/2018 18:30	73800	20.961	14.432	47.218	40547.035	50787.309	33.296	34567.312	24.647	1.025
2/15/2018 18:45	74700	21.005	14.435	47.316	40555.309	50807.875	33.312	34549.363	24.658	1.025
2/15/2018 19:00	75600	21.045	14.423	47.407	40534.336	50796.395	33.303	34541.551	24.67	1.025
2/15/2018 19:15	76500	21.085	14.425	47.497	40521.117	50789.762	33.298	34537.029	24.672	1.025
2/15/2018 19:30	77400	21.122	14.414	47.579	40508.109	50786.273	33.286	34526.246	24.686	1.025
2/15/2018 19:45	78300	21.151	14.422	47.645	40539.824	50804.563	33.309	34547.105	24.667	1.025
2/15/2018 20:00	79200	21.182	14.412	47.715	40520.047	50791.109	33.298	34537.957	24.679	1.025
2/15/2018 20:15	80100	21.216	14.401	47.779	40517.987	50782.117	33.305	34545.445	24.681	1.025
2/15/2018 20:30	81000	21.241	14.414	47.846	40516.758	50784.93	33.294	34533.758	24.681	1.025
2/15/2018 20:45	81900	21.266	14.404	47.905	40521.039	50800.344	33.304	34544.234	24.679	1.025
2/15/2018 21:00	82800	21.296	14.387	47.972	40504.215	50801.934	33.304	34545.32	24.689	1.025
2/15/2018 21:15	83700	21.32	14.379	48.025	40515.086	50825.297	33.32	34561.203	24.682	1.025
2/15/2018 21:30	84600	21.345	14.394	48.081	40510.809	50832.422	33.305	34545.652	24.685	1.025
2/15/2018 21:45	85500	21.369	14.379	48.135	40472.513	50771.887	33.281	34524.883	24.698	1.025
2/15/2018 22:00	86400	21.391	14.378	48.185	40500.738	50809.047	33.308	34550.156	24.691	1.025
2/15/2018 22:15	87300	21.409	14.37	48.225	40488.652	50778.078	33.285	34529.094	24.71	1.025
2/15/2018 22:30	88200	21.435	14.362	48.261	40487.371	50803.074	33.303	34546.094	24.699	1.025
2/15/2018 22:45	89100	21.454	14.365	48.286	40486.469	50807.133	33.306	34548.855	24.7	1.025
2/15/2018 23:00	90000	21.471	14.365	48.366	40483.273	50801.23	33.303	34546.195	24.702	1.025
2/15/2018 23:15	90900	21.492	14.359	48.433	40475.527	50800.922	33.301	34544.633	24.706	1.025
2/15/2018 23:30	91800	21.511	14.358	48.457	40474.242	50799.465	33.3	34543.641	24.707	1.025
2/15/2018 23:45	92700	21.527	14.362	48.491	40517.027	50849.108	33.336	34577.434	24.681	1.025
2/16/2018 0:00	93600	21.542	14.254	48.527	40467.426	50796.215	33.323	34541.426	24.711	1.025
2/16/2018 0:15	94500	21.56	14.357	48.558	40455.418	50778.125	33.284	34529.125	24.719	1.025
2/16/2018 0:30	95400	21.581	14.347	48.614	40443.355	50774.648	33.28	34526.766	24.726	1.025
2/16/2018 0:45	96300	21.595	14.345	48.645	40436.289	50769.352	33.313	34537.813	24.706	1.025
2/16/2018 1:00	97200	21.602	14.339	48.662	40506.566	50863.434	33.345	34587.141	24.687	1.025
2/16/2018 1:15	98100	21.621	14.34	48.704	40465	50810.172	33.306	34550.918	24.713	1.025
2/16/2018 1:30	99000	21.637	14.337	48.739	40463.203	50797.438	33.326	34542.258	24.721	1.025
2/16/2018 1:45	99900	21.649	14.344	48.766	40468.293	50809.965	33.306	34550.777	24.711	1.025
2/16/2018 2:00	100800	21.661	14.344	48.793	40481.098	50827.895	33.319	34562.898	24.702	1.025
2/16/2018 2:15	101700	21.679	14.328	48.841	40501.844	50837.881	33.351	34568.254	24.689	1.025
2/16/2018 2:30	102600	21.689	14.326	48.857	40410.633	50795.812	33.288	34516.477	24.746	1.025
2/16/2018 2:45	103500	21.7	14.333	48.88	40472.578	50828.012	33.318	34563.051	24.708	1.025
2/16/2018 3:00	104400	21.708	14.338	48.899	40484.105	50796.176	33.326	34557.166	24.719	1.025
2/16/2018 3:15	105300	21.722	14.332	48.915	40424.758	50777.16	33.277	34525.07	24.748	1.025
2/16/2018 3:30	106200	21.729	14.324	48.947	40407.715	50757.371	33.266	34515.016	24.748	1.025
2/16/2018 3:45	107100	21.742	14.327	48.977	40459.168	50831.309	33.32	34565.293	24.71	1.025
2/16/2018 4:00	108000	21.757	14.305	49.02	40421.486	50781.598	33.283	34533.492	24.729	1.025
2/16/2018 4:15	108900	21.767	14.31	49.032	40431.715	50805.066	33.3	34547.445	24.733	1.025
2/16/2018 4:30	109800	21.778	14.313	49.061	40444.715	50817.281	33.309	34555.75	24.725	1.025
2/16/2018 4:45	110700	21.78	14.311	49.061	40435.398	50829.386	33.303	34550.523	24.731	1.025
2/16/2018 5:00	111600	21.797	14.3	49.099	40429.324	50834.305				

2/17/2018 100	183600	19.533	14.556	44	40647.059	50824.27	33.331	34560.504	24.602	1.025
2/17/2018 115	184500	19.533	14.556	43.991	40663.035	50845.87	33.347	34575.191	24.592	1.025
2/17/2018 130	185400	19.529	14.554	43.99	40640.488	50818.855	33.327	34556.824	24.608	1.025
2/17/2018 145	186300	19.524	14.555	43.979	40637.879	50813.977	33.324	34553.504	24.608	1.025
2/17/2018 200	187200	19.52	14.553	43.97	40646.961	50818.095	33.327	34563.129	24.602	1.025
2/17/2018 215	188100	19.521	14.553	43.974	40620.19	50794.715	33.309	34540.41	24.618	1.025
2/17/2018 230	189000	19.515	14.556	43.96	40623.871	50795.711	33.31	34541.086	24.616	1.025
2/17/2018 245	189900	19.509	14.553	43.947	40629.266	50805.463	33.317	34547.719	24.613	1.025
2/17/2018 100	190800	19.505	14.551	43.938	40641.734	50814.095	33.327	34556.719	24.605	1.025
2/17/2018 315	191700	19.505	14.553	43.938	40612.059	50784.27	33.302	34533.305	24.623	1.025
2/17/2018 330	192600	19.504	14.554	43.935	40611.152	50781.852	33.313	34531.66	24.624	1.025
2/17/2018 345	193500	19.5	14.554	43.926	40606.914	50789.074	33.342	34529.17	24.596	1.025
2/17/2018 400	194400	19.499	14.556	43.923	40602.891	50769.586	33.291	34523.234	24.629	1.025
2/17/2018 415	195300	19.493	14.553	43.91	40606.02	50776.293	33.296	34527.883	24.627	1.025
2/17/2018 430	196200	19.492	14.554	43.907	40615.492	50785.098	33.304	34535.566	24.621	1.025
2/17/2018 445	197100	19.486	14.554	43.895	40616.352	50787.641	33.304	34535.598	24.621	1.025
2/17/2018 500	198000	19.487	14.555	43.895	40639.414	50815.895	33.325	34554.809	24.607	1.025
2/17/2018 515	198900	19.482	14.552	43.884	40631.977	50797.531	33.313	34542.13	24.617	1.025
2/17/2018 530	199800	19.48	14.556	43.88	40608.285	50775.891	33.296	34527.605	24.626	1.025
2/17/2018 545	200700	19.479	14.557	43.879	40620.934	50790.953	33.307	34537.848	24.618	1.025
2/17/2018 600	201600	19.472	14.555	43.863	40621.559	50796.729	33.311	34541.77	24.616	1.025
2/17/2018 615	202500	19.469	14.552	43.856	40622.727	50798.258	33.312	34542.816	24.617	1.025
2/17/2018 630	203400	19.465	14.555	43.847	40604.59	50834.973	33.339	34567.785	24.597	1.025
2/17/2018 645	204300	19.464	14.553	43.844	40609.156	50795.531	33.295	34527.367	24.627	1.025
2/17/2018 700	205200	19.458	14.553	43.832	40636.871	50815.414	33.324	34554.48	24.608	1.025
2/17/2018 715	206100	19.46	14.554	43.835	40627.672	50802.828	33.315	34545.926	24.614	1.025
2/17/2018 730	207000	19.454	14.554	43.822	40613.367	50784.621	33.302	34533.347	24.622	1.025
2/17/2018 745	207900	19.45	14.553	43.813	40615.98	50824.316	33.311	34560.535	24.603	1.025
2/17/2018 800	208800	19.45	14.555	43.812	40590.469	50754.797	33.28	34513.266	24.636	1.025
2/17/2018 815	209700	19.45	14.554	43.811	40599.789	50813.207	33.345	34573.383	24.594	1.025
2/17/2018 830	210600	19.451	14.556	43.814	40606.254	50773.453	33.294	34525.953	24.627	1.025
2/17/2018 845	211500	19.448	14.554	43.809	40621.719	50795.27	33.31	34540.785	24.617	1.025
2/17/2018 860	212400	19.448	14.555	43.809	40621.82	50793.463	33.309	34539.555	24.617	1.025
2/17/2018 875	213300	19.448	14.554	43.809	40620.156	50792.789	33.304	34539.102	24.618	1.025
2/17/2018 930	214200	19.446	14.554	43.805	40633.855	50807.945	33.319	34549.402	24.611	1.025
2/17/2018 945	215100	19.451	14.553	43.815	40630.125	50813.648	33.336	34565.52	24.6	1.025
2/17/2018 1000	216000	19.45	14.554	43.821	40635.094	50821.566	33.342	34572.867	24.599	1.025
2/17/2018 1015	216900	19.46	14.555	43.836	40635.133	50805.483	33.302	34533.895	24.622	1.025
2/17/2018 1030	217800	19.463	14.554	43.843	40624.906	50799.434	33.313	34543.652	24.615	1.025
2/17/2018 1045	218700	19.464	14.553	43.844	40627.51	50804.238	33.316	34546.203	24.614	1.025
2/17/2018 1100	219600	19.464	14.555	43.844	40623.082	50796.121	33.31	34541.367	24.617	1.025
2/17/2018 1115	220500	19.459	14.556	43.834	40641.473	50817.605	33.326	34555.973	24.605	1.025
2/17/2018 1130	221400	19.458	14.554	43.831	40636.131	50788.41	33.305	34547.108	24.613	1.025
2/17/2018 1145	222300	19.457	14.552	43.829	40633.463	50837.773	33.341	34569.691	24.598	1.025
2/17/2018 1200	223200	19.458	14.554	43.831	40617.402	50789.988	33.306	34537.191	24.62	1.025
2/17/2018 1215	224100	19.468	14.551	43.853	40629.363	50868.93	33.31	34550.734	24.611	1.025
2/17/2018 1230	225000	19.468	14.552	43.853	40638.16	50817.77	33.326	34556.082	24.607	1.025
2/17/2018 1245	225900	19.471	14.552	43.86	40637.941	50818.156	33.326	34556.352	24.608	1.025
2/17/2018 1300	226800	19.474	14.552	43.868	40641.508	50823.12	33.31	34559.819	24.603	1.025
2/17/2018 1315	227700	19.473	14.551	43.866	40653.605	50838.281	33.341	34570.035	24.598	1.025
2/17/2018 1330	228600	19.474	14.553	43.867	40648.215	50828.945	33.334	34563.688	24.601	1.025
2/17/2018 1345	229500	19.472	14.551	43.863	40647.801	50808.67	33.313	34561.821	24.625	1.025
2/17/2018 1400	230400	19.478	14.552	43.875	40651.004	50790.723	33.306	34557.091	24.621	1.025
2/17/2018 1415	231300	19.474	14.551	43.867	40621.113	50798.176	33.312	34542.762	24.618	1.025
2/17/2018 1430	232200	19.474	14.551	43.868	40643.524	50815.273	33.324	34558.391	24.61	1.025
2/17/2018 1445	233100	19.477	14.509	43.873	40625.039	50805.566	33.317	34547.785	24.615	1.025
2/17/2018 1500	234000	19.473	14.551	43.866	40616.129	50791.73	33.307	34538.379	24.621	1.025
2/17/2018 1515	234900	19.472	14.551	43.862	40662.367	50802.738	33.315	34578.508	24.593	1.025
2/17/2018 1530	235800	19.469	14.552	43.856	40615.85	50813.855	33.317	34564.624	24.607	1.025
2/17/2018 1545	236700	19.469	14.554	43.855	40662.262	50846.082	33.347	34575.316	24.593	1.025
2/17/2018 1600	237600	19.464	14.551	43.844	40627.409	50807.309	33.318	34548.969	24.614	1.025
2/17/2018 1615	238500	19.464	14.551	43.821	40627.199	50804.609	33.316	34537.918	24.596	1.025
2/17/2018 1630	239400	19.453	14.551	43.82	40591.809	50764.242	33.287	34519.884	24.634	1.025
2/17/2018 1645	240300	19.451	14.509	43.815	40605.008	50836.793	33.34	34569.02	24.6	1.025
2/17/2018 1700	241200	19.443	14.509	43.797	40645.109	50845.109	33.344	34572.975	24.598	1.025
2/17/2018 1715	242100	19.438	14.508	43.786	40617.621	50796.734	33.31	34541.781	24.62	1.025
2/17/2018 1730	243000	19.43	14.509	43.767	40611.754	50788.848	33.305	34536.618	24.623	1.025
2/17/2018 1745	243900	19.432	14.509	43.765	40621.725	50804.656	33.31	34547.108	24.617	1.025
2/17/2018 1800	244800	19.424	14.508	43.754	40595.164	50769.703	33.291	34523.398	24.633	1.025
2/17/2018 1815	245700	19.419	14.51	43.743	40636.031	50818.125	33.326	34556.324	24.609	1.025
2/17/2018 1830	246600	19.423	14.512	43.752	40646.57	50823.059	33.332	34560.802	24.591	1.025
2/17/2018 1845	247500	19.409	14.506	43.72	40612.77	50793.016	33.308	34539.254	24.623	1.025
2/17/2018 1900	248400	19.413	14.507	43.729	40645.91	50833.5	33.337	34566.785	24.603	1.025
2/17/2018 1915	249300	19.407	14.509	43.715	40637.574	50827.574	33.323	34561.75	24.604	1.025
2/17/2018 1930	250200	19.4	14.509	43.7	40612.691	50790.336	33.306	34537.43	24.623	1.025
2/17/2018 1945	251100	19.397	14.507	43.694	40641.66	50778.371	33.297	34529.293	24.63	1.025
2/17/2018 2000	252000	19.396	14.509	43.691	40612.613	50790.238	33.306	34537.363	24.623	1.025
2/17/2018 2015	252900	19.391	14.51	43.68	40604.676	50776.156	33.297	34529.152	24.628	1.025
2/17/2018 2030	253800	19.388	14.508	43.673	40600.492	50782.918	33.313	34532.383	24.627	1.025
2/17/2018 2045	254700	19.386	14.512	43.669	40652.641	50836.539	33.34	34558.848	24.599	1.025
2/17/2018 2100	255600	19.384	14.512	43.663	40617.578	50794.191	33.309	34540.055	24.62	1.025
2/17/2018 2115	256500	19.385	14.511	43.667	40625.914	50803.855	33.316	34546.625	24.615	1.025
2/17/2018 2130	257400	19.381	14.51	43.657	40657.031	50843.742	33.345	34573.75	24.596	1.025
2/17/2018 2145	258300	19.377	14.511	43.653	40621.459	50792.352	33.306	34537.688	24.622	1.025
2/17/2018 2200	259200	19.374	14.511	43.641	40623.488	50801.043	33.314	34544.711	24.616	1.025
2/17/2018 2215	260100	19.37	14.512	43.633	40638.234	50813.086	33.326	34556.297	24.607	1.025
2/17/2018 2230	261000	19.368	14.512	43.626	40610.785	50783.965	33.301	34533.102	24.624	1.025
2/17/2018 2245	261900	19.366	14.511	43.623	40591.234	50763.414	33.286	34519.125	24.	

2/18/2018 18:45	333900	19.33	14.511	43.543	50826.598	50806.895	33.318	34548.691	24.613	1.025
2/18/2018 19:00	334800	19.33	14.512	43.542	40636.051	50815.109	33.324	34554.777	24.609	1.025
2/18/2018 19:15	335700	19.323	14.513	43.528	50805.914	50805.914	33.318	34548.707	24.612	1.025
2/18/2018 19:30	336600	19.317	14.512	43.514	50824.629	50831.331	33.331	34560.75	24.604	1.025
2/18/2018 19:45	337500	19.317	14.514	43.513	40629.359	50804.295	33.317	34548.888	24.613	1.025
2/18/2018 20:00	338400	19.316	14.514	43.512	40650.055	50830.273	33.335	34564.586	24.605	1.025
2/18/2018 20:15	339300	19.316	14.514	43.511	50823.949	50832.949	33.331	34560.289	24.604	1.025
2/18/2018 20:30	340200	19.309	14.515	43.496	40660.395	50842.676	33.345	34579.02	24.594	1.025
2/18/2018 20:45	341100	19.304	14.513	43.484	40641.219	50821.012	33.331	34559.652	24.604	1.025
2/18/2018 21:00	342000	19.307	14.515	43.491	40642.648	50820.043	33.328	34557.633	24.605	1.025
2/18/2018 21:15	342900	19.303	14.513	43.483	40622.191	50797.059	33.311	34542	24.617	1.025
2/18/2018 21:30	343800	19.303	14.515	43.481	40642.934	50820.791	33.329	34558.098	24.605	1.025
2/18/2018 21:45	344700	19.301	14.514	43.477	40655.215	50836.949	33.34	34569.125	24.597	1.025
2/18/2018 22:00	345600	19.303	14.516	43.481	40658.813	50839.168	33.342	34570.633	24.595	1.025
2/18/2018 22:15	346500	19.302	14.516	43.479	40632.434	50806.418	33.318	34548.367	24.611	1.025
2/18/2018 22:30	347400	19.297	14.516	43.469	40678.902	50864.289	33.36	34587.719	24.583	1.025
2/18/2018 22:45	348300	19.297	14.517	43.469	40637.348	50810.848	33.321	34551.375	24.608	1.025
2/18/2018 23:00	349200	19.293	14.514	43.465	40651.688	50822.377	33.327	34565.762	24.599	1.025
2/18/2018 23:15	350100	19.295	14.515	43.464	40630.195	50803.934	33.316	34546.676	24.612	1.025
2/18/2018 23:30	351000	19.298	14.519	43.471	40625.516	50793.34	33.309	34539.473	24.615	1.025
2/18/2018 23:45	351900	19.293	14.517	43.459	40621.621	50796.063	33.321	34541.324	24.615	1.025
2/19/2018 0:00	352800	19.296	14.515	43.465	40630.563	50805.477	33.317	34547.727	24.612	1.025
2/19/2018 0:15	353700	19.302	14.516	43.481	40645.863	50822.875	33.33	34559.555	24.603	1.025
2/19/2018 0:30	354600	19.301	14.514	43.477	40631.738	50807.164	33.329	34548.875	24.611	1.025
2/19/2018 0:45	355500	19.301	14.514	43.477	40643.227	50821.422	33.329	34558.566	24.604	1.025
2/19/2018 1:00	356400	19.306	14.518	43.489	40626.348	50796.328	33.311	34541.504	24.615	1.025
2/19/2018 1:15	357300	19.303	14.517	43.483	40613.074	50780.164	33.299	34530.516	24.623	1.025
2/19/2018 1:30	358200	19.314	14.515	43.506	40673.246	50763.246	33.286	34519.008	24.631	1.025
2/19/2018 1:45	359100	19.317	14.516	43.514	50809.543	50839.766	33.343	34571.043	24.594	1.025
2/19/2018 2:00	360000	19.316	14.518	43.517	40655.574	50832.719	33.337	34550.191	24.597	1.025
2/19/2018 2:15	360900	19.316	14.517	43.512	40627.309	50797.863	33.312	34542.551	24.614	1.025
2/19/2018 2:30	361800	19.32	14.515	43.521	40598.801	50765.324	33.288	34520.426	24.631	1.025
2/19/2018 2:45	362700	19.324	14.517	43.529	40620.719	50789.725	33.306	34537.016	24.618	1.025
2/19/2018 3:00	363600	19.33	14.516	43.541	40633.059	50806.531	33.318	34548.453	24.611	1.025
2/19/2018 3:15	364500	19.329	14.519	43.54	40626.063	50794.887	33.31	34540.523	24.615	1.025
2/19/2018 3:30	365400	19.331	14.52	43.545	40649.938	50823.672	33.321	34560.102	24.6	1.025
2/19/2018 3:45	366300	19.339	14.516	43.518	40637.094	50810.029	33.321	34551.154	24.608	1.025
2/19/2018 4:00	367200	19.337	14.517	43.559	40676.34	50860.027	33.357	34584.824	24.584	1.025
2/19/2018 4:15	368100	19.343	14.516	43.572	40628.043	50800.695	33.314	34544.477	24.614	1.025
2/19/2018 4:30	369000	19.338	14.518	43.536	40643.148	50815.684	33.326	34555.365	24.604	1.025
2/19/2018 4:45	369900	19.346	14.517	43.578	40629.641	50801.844	33.315	34545.254	24.613	1.025
2/19/2018 5:00	370800	19.342	14.517	43.569	40642.145	50817.16	33.326	34555.648	24.605	1.025
2/19/2018 5:15	371700	19.343	14.514	43.571	40591.185	50751.086	33.317	34545.417	24.614	1.025
2/19/2018 5:30	372600	19.346	14.519	43.578	40614.969	50780.387	33.299	34530.668	24.621	1.025
2/19/2018 5:45	373500	19.344	14.517	43.574	40633.68	50811.797	33.317	34565.625	24.598	1.025
2/19/2018 6:00	374400	19.343	14.513	43.572	40631.727	50808.566	33.32	34549.818	24.61	1.025
2/19/2018 6:15	375300	19.344	14.515	43.574	40629.656	50803.797	33.316	34546.586	24.613	1.025
2/19/2018 6:30	376200	19.35	14.517	43.587	40626.563	50826.563	33.333	34562.066	24.601	1.025
2/19/2018 6:45	377100	19.343	14.513	43.572	40621.258	50803.055	33.315	34546.027	24.614	1.025
2/19/2018 7:00	378000	19.346	14.515	43.58	40596.836	50802.836	33.286	34518.734	24.632	1.025
2/19/2018 7:15	378900	19.341	14.516	43.568	40643.656	50820.117	33.328	34557.684	24.604	1.025
2/19/2018 7:30	379800	19.342	14.517	43.572	40627.094	50797.795	33.312	34542.529	24.614	1.025
2/19/2018 7:45	380700	19.343	14.516	43.571	40626.164	50798.246	33.312	34542.809	24.615	1.025
2/19/2018 8:00	381600	19.337	14.516	43.559	40607.395	50775.109	33.295	34527.078	24.626	1.025
2/19/2018 8:15	382500	19.334	14.516	43.552	40649.625	50827.578	33.345	34562.574	24.6	1.025
2/19/2018 8:30	383400	19.331	14.516	43.545	40662.406	50843.781	33.345	34573.777	24.593	1.025
2/19/2018 8:45	384300	19.337	14.518	43.559	40665.621	50845.543	33.347	34574.969	24.591	1.025
2/19/2018 9:00	385200	19.331	14.517	43.545	40631.435	50803.145	33.316	34546.141	24.611	1.025
2/19/2018 9:15	386100	19.331	14.517	43.541	40651.438	50829.117	33.335	34563.401	24.598	1.025
2/19/2018 9:30	387000	19.33	14.516	43.543	40619.387	50789.242	33.306	34536.688	24.619	1.025
2/19/2018 9:45	387900	19.335	14.514	43.554	40635.723	50812.254	33.322	34552.332	24.609	1.025
2/19/2018 10:00	388800	19.335	14.514	43.554	40620.531	50793.152	33.308	34539.344	24.618	1.025
2/19/2018 10:15	389700	19.336	14.515	43.557	40621.887	50794.414	33.309	34540.203	24.617	1.025
2/19/2018 10:30	390600	19.342	14.514	43.569	40636.031	50812.637	33.323	34552.598	24.609	1.025
2/19/2018 10:45	391500	19.345	14.517	43.577	40631.458	50817.29	33.327	34552.574	24.612	1.025
2/19/2018 11:00	392400	19.344	14.516	43.575	40624.211	50795.906	33.31	34541.219	24.616	1.025
2/19/2018 11:15	393300	19.344	14.515	43.575	40619.285	50791.16	33.307	34537.992	24.619	1.025
2/19/2018 11:30	394200	19.344	14.516	43.575	40623.822	50793.66	33.31	34538.867	24.622	1.025
2/19/2018 11:45	395100	19.347	14.518	43.581	40607.945	50773.113	33.294	34525.719	24.626	1.025
2/19/2018 12:00	396000	19.35	14.516	43.588	40626.609	50798.801	33.313	34543.188	24.614	1.025
2/19/2018 12:15	396900	19.353	14.519	43.577	40636.766	50813.24	33.323	34553.17	24.608	1.025
2/19/2018 12:30	397800	19.359	14.514	43.607	40642.938	50798.66	33.312	34543.09	24.615	1.025
2/19/2018 12:45	398700	19.358	14.516	43.605	40623.201	50794.875	33.31	34540.516	24.616	1.025
2/19/2018 13:00	399600	19.364	14.513	43.614	40631.598	50807.094	33.318	34548.824	24.611	1.025
2/19/2018 13:15	400500	19.367	14.515	43.626	40626.031	50798.836	33.313	34543.211	24.615	1.025
2/19/2018 13:30	401400	19.366	14.514	43.624	40640.805	50819.133	33.327	34557.016	24.606	1.025
2/19/2018 13:45	402300	19.371	14.514	43.627	40636.574	50806.728	33.327	34549.406	24.613	1.025
2/19/2018 14:00	403200	19.374	14.514	43.643	40631.688	50807.941	33.319	34549.402	24.611	1.025
2/19/2018 14:15	404100	19.371	14.515	43.636	40678.699	50865.02	33.361	34588.215	24.583	1.025
2/19/2018 14:30	405000	19.375	14.516	43.643	40638.551	50805.277	33.324	34553.707	24.607	1.025
2/19/2018 14:45	405900	19.375	14.515	43.643	40648.641	50827.535	33.334	34562.727	24.601	1.025
2/19/2018 15:00	406800	19.375	14.515	43.643	40643.781	50810.648	33.321	34551.242	24.609	1.025
2/19/2018 15:15	407700	19.384	14.514	43.663	40666.797	50851.32	33.351	34578.898	24.599	1.025
2/19/2018 15:30	408600	19.378	14.513	43.65	40651.652	50821.434	33.3	34542.525	24.624	1.025
2/19/2018 15:45	409500	19.384	14.511	43.664	40623.188	50800.242	33.313	34544.168	24.616	1.025
2/19/2018 16:00	410400	19.382	14.513	43.663	40644.852	50825.395	33.332	34560.273	24.603	1.025
2/19/2018 16:15	411300	19.382	14.515	43.659	40638.095	50814.781	33.324	34554.051	24.607	1.025

2/20/2018 12:30	484200	19.297	14.508	43.469	40613.41	50816.684	33.325	34555.344	24.611	1.025
2/20/2018 12:45	485120	19.298	14.512	43.471	40618.09	50820.485	33.319	34559.078	24.612	1.025
2/20/2018 13:00	486000	19.298	14.512	43.471	40644.395	50826.336	33.332	34561.914	24.624	1.025
2/20/2018 13:15	486900	19.301	14.511	43.477	40609.957	50783.797	33.301	34532.98	24.625	1.025
2/20/2018 13:30	487800	19.299	14.51	43.474	40631.688	50811.836	33.322	34552.847	24.611	1.025
2/20/2018 13:45	488700	19.297	14.513	43.469	40611.133	50784.91	33.302	34533.742	24.623	1.025
2/20/2018 14:00	489600	19.297	14.513	43.469	40604.484	50774.801	33.295	34526.863	24.628	1.025
2/20/2018 14:15	490500	19.298	14.509	43.471	40656.895	50845.508	33.346	34574.949	24.596	1.025
2/20/2018 14:30	491400	19.299	14.51	43.474	40602.27	50835.074	33.339	34567.852	24.6	1.025
2/20/2018 14:45	492300	19.297	14.511	43.469	40637.914	50818.438	33.327	34556.543	24.608	1.025
2/20/2018 15:00	493200	19.298	14.51	43.471	40640.004	50822.773	33.33	34559.488	24.606	1.025
2/20/2018 15:15	494100	19.296	14.512	43.462	40637.094	50816.746	33.325	34555.391	24.608	1.025
2/20/2018 15:30	495000	19.299	14.513	43.474	40614.688	50787.676	33.304	34535.621	24.622	1.025
2/20/2018 15:45	495900	19.297	14.51	43.469	40608.191	50783.203	33.301	34532.582	24.626	1.025
2/20/2018 16:00	496800	19.296	14.513	43.465	40645.238	50821.309	33.336	34565.293	24.601	1.025
2/20/2018 16:15	497700	19.298	14.512	43.47	40655.672	50840.438	33.343	34571.15	24.597	1.025
2/20/2018 16:30	498600	19.296	14.51	43.466	40650.922	50835.887	33.339	34568.406	24.6	1.025
2/20/2018 16:45	499500	19.287	14.51	43.447	40612.973	50788.098	33.304	34535.96	24.622	1.025
2/20/2018 17:00	500400	19.287	14.509	43.447	40610.941	50787.609	33.304	34535.574	24.624	1.025
2/20/2018 17:15	501300	19.29	14.511	43.452	40599.969	50771.945	33.292	34524.926	24.631	1.025
2/20/2018 17:30	502200	19.284	14.511	43.44	40644.539	50827.367	33.333	34562.609	24.604	1.025
2/20/2018 17:45	503100	19.288	14.511	43.449	40598.871	50770.465	33.291	34523.918	24.631	1.025
2/20/2018 18:00	504000	19.283	14.51	43.438	40629.539	50809.25	33.32	34550.289	24.613	1.025
2/20/2018 18:15	504900	19.279	14.51	43.428	40641.258	50824.867	33.331	34560.914	24.606	1.025
2/20/2018 18:30	505800	19.28	14.51	43.43	40596.957	50769.465	33.291	34523.238	24.632	1.025
2/20/2018 18:45	506700	19.277	14.512	43.424	40600.59	50770.578	33.292	34523.996	24.63	1.025
2/20/2018 19:00	507600	19.274	14.51	43.417	40617.512	50795.172	33.309	34540.723	24.62	1.025
2/20/2018 19:15	508500	19.267	14.512	43.401	40631.066	50811.066	33.323	34552.887	24.61	1.025
2/20/2018 19:30	509400	19.272	14.512	43.412	40627.277	50804.488	33.316	34547.055	24.614	1.025
2/20/2018 19:45	510300	19.266	14.513	43.407	40649.078	50831.48	33.337	34556.77	24.601	1.025
2/20/2018 20:00	511200	19.266	14.509	43.398	40621.285	50807.77	33.313	34544.523	24.618	1.025
2/20/2018 20:15	512100	19.266	14.51	43.399	40615.156	50797.023	33.311	34541.977	24.619	1.025
2/20/2018 20:30	513000	19.262	14.512	43.39	40653.152	50837.391	33.34	34569.426	24.598	1.025
2/20/2018 20:45	513900	19.263	14.513	43.393	40620.551	50784.668	33.309	34540.735	24.622	1.025
2/20/2018 21:00	514800	19.26	14.51	43.386	40602.797	50775.809	33.295	34527.555	24.629	1.025
2/20/2018 21:15	515700	19.258	14.513	43.38	40611.254	50782.938	33.301	34532.398	24.624	1.025
2/20/2018 21:30	516600	19.258	14.513	43.38	40630.160	50807.148	33.318	34548.871	24.613	1.025
2/20/2018 21:45	517500	19.253	14.512	43.37	40620.348	50795.496	33.31	34540.938	24.618	1.025
2/20/2018 22:00	518400	19.253	14.512	43.37	40650.898	50834.129	33.338	34567.207	24.6	1.025
2/20/2018 22:15	519300	19.251	14.512	43.364	40651.121	50841.121	33.345	34574.004	24.595	1.025
2/20/2018 22:30	520200	19.248	14.512	43.358	40623.828	50800.617	33.314	34544.422	24.616	1.025
2/20/2018 22:45	521100	19.247	14.512	43.357	40652.984	50836.969	33.34	34569.141	24.598	1.025
2/20/2018 23:00	522000	19.237	14.513	43.356	40641.535	50823.373	33.331	34561.628	24.606	1.025
2/20/2018 23:15	522900	19.245	14.513	43.35	40638.645	50811.832	33.326	34555.836	24.607	1.025
2/20/2018 23:30	523800	19.245	14.514	43.35	40631.492	50807.426	33.319	34549.32	24.62	1.025
2/20/2018 23:45	524700	19.245	14.513	43.35	40639.256	50799.366	33.324	34543.504	24.616	1.025
2/21/2018 0:00	525600	19.244	14.515	43.349	40635.816	50811.832	33.322	34552.047	24.609	1.025
2/21/2018 0:15	526500	19.244	14.512	43.349	40610.316	50783.176	33.301	34532.559	24.624	1.025
2/21/2018 0:30	527400	19.244	14.514	43.349	40633.816	50798.828	33.312	34543.207	24.611	1.025
2/21/2018 0:45	528300	19.241	14.514	43.342	40635.194	50812.73	33.323	34552.656	24.609	1.025
2/21/2018 1:00	529200	19.242	14.516	43.345	40635.935	50809.871	33.321	34550.711	24.609	1.025
2/21/2018 1:15	530100	19.244	14.513	43.349	40601.268	50770.236	33.292	34532.832	24.63	1.025
2/21/2018 1:30	531000	19.246	14.514	43.353	40621.313	50794.555	33.309	34540.977	24.618	1.025
2/21/2018 1:45	531900	19.248	14.513	43.358	40617.953	50792.078	33.307	34538.617	24.62	1.025
2/21/2018 2:00	532800	19.252	14.513	43.366	40640.797	50825.986	33.328	34557.39	24.606	1.025
2/21/2018 2:15	533700	19.256	14.514	43.377	40615.238	50786.848	33.304	34535.063	24.621	1.025
2/21/2018 2:30	534600	19.264	14.514	43.384	40629.285	50804.848	33.317	34547.297	24.613	1.025
2/21/2018 2:45	535500	19.28	14.514	43.41	40619.207	50791.813	33.307	34538.438	24.619	1.025
2/21/2018 3:00	536400	19.28	14.513	43.41	40631.223	50810.734	33.321	34551.305	24.619	1.025
2/21/2018 3:15	537300	19.281	14.513	43.412	40647.273	50828.52	33.334	34563.395	24.602	1.025
2/21/2018 3:30	538200	19.277	14.513	43.424	40625	50799.813	33.313	34543.871	24.615	1.025
2/21/2018 3:45	539100	19.276	14.514	43.42	40645.441	50844.957	33.346	34574.574	24.592	1.025
2/21/2018 4:00	540000	19.281	14.513	43.412	40625.844	50801.398	33.314	34544.957	24.615	1.025
2/21/2018 4:15	540900	19.279	14.514	43.427	40651.879	50832.348	33.337	34566	24.599	1.025
2/21/2018 4:30	541800	19.28	14.512	43.43	40658.68	50850.691	33.359	34589.871	24.585	1.025
2/21/2018 4:45	542700	19.284	14.515	43.44	40632.34	50807.695	33.319	34549.234	24.611	1.025
2/21/2018 5:00	543600	19.284	14.515	43.44	40609.363	50778.754	33.298	34529.555	24.625	1.025
2/21/2018 5:15	544500	19.284	14.514	43.45	40655.434	50831.742	33.342	34559.604	24.619	1.025
2/21/2018 5:30	545400	19.29	14.513	43.453	40618.008	50791.172	33.307	34538	24.62	1.025
2/21/2018 5:45	546300	19.296	14.512	43.455	40636.723	50816.195	33.325	34555.012	24.608	1.025
2/21/2018 6:00	547200	19.297	14.513	43.465	40640.367	50828.273	33.331	34566.426	24.613	1.025
2/21/2018 6:15	548100	19.298	14.513	43.467	40639.242	50818.152	33.326	34556.348	24.607	1.025
2/21/2018 6:30	549000	19.294	14.514	43.462	40631.027	50807.242	33.319	34548.926	24.612	1.025
2/21/2018 6:45	549900	19.294	14.514	43.461	40630.267	50799.404	33.324	34546.234	24.616	1.025
2/21/2018 7:00	550800	19.298	14.512	43.471	40618.727	50794.34	33.309	34540.152	24.619	1.025
2/21/2018 7:15	551700	19.296	14.511	43.466	40605.387	50814.258	33.338	34567.301	24.6	1.025
2/21/2018 7:30	552600	19.294	14.512	43.462	40611.512	50803.344	33.332	34553.855	24.624	1.025
2/21/2018 7:45	553500	19.29	14.512	43.451	40609.336	50815.366	33.327	34557.309	24.607	1.025
2/21/2018 8:00	554400	19.293	14.512	43.457	40631.785	50809.586	33.332	34550.523	24.611	1.025
2/21/2018 8:15	555300	19.288	14.513	43.447	40618.008	50791.551	33.311	34542.34	24.617	1.025
2/21/2018 8:30	556200	19.283	14.511	43.438	40630.502	50810.207	33.32	34550.941	24.612	1.025
2/21/2018 8:45	557100	19.282	14.512	43.435	40610.582	50784.051	33.301	34533.156	24.624	1.025
2/21/2018 9:00	558000	19.282	14.512	43.434	40617.621	50792.199	33.307	34538.695	24.62	1.025
2/21/2018 9:15	558900	19.285	14.51	43.442	40658.969	50786.891	33.321	34541.891	24.619	1.025
2/21/2018 9:30	559800	19.285	14.51	43.442	40618.176	50795.688	33.31	34541.07	24.62	1.025
2/21/2018 9:45	560700	19.286	14.512	43.444	40634.941	50791.008	33.327	34510.688	24.64	1.025
2/21/2018 10:00	561600	19.288	14.512	43.447	40631.223	50793.512	33.328	34539.594	24.62	1.025
2/21/2018 10:15	562500	19.28	14.511							

Report Date: 2/23/2018 14:43
Report User Name: Aizenkalmata
Report Computer Name: WK3T4
Application: WinStu.exe
Application Version: 5.6.25.0

Log File Properties
File Name: MPWSP MW-3D LT Test_2018-02-22_14-29-19-412-BaroMerge.wsl
Create Date: 2/23/2018 14:43

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: 15000
Used Memory: 0
Used Battery: 0

Log Configuration
Log Name: MPWSP MW-3D LT Test
Created By: KMaKar
Computer Name: PHOENOX10
Application: WinStu.exe
Application Version: 5.6.25.0
Create Date: 3/9/2016 4:36:33 PM Pacific Standard Time
Log Setup Time Zone: Pacific Standard Time
Notes (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: User
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: 13.0999 (PSI)
Temperature: 22.8666 (C)
Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191
TDS Factor: 0.68

Log Notes
Date and Time: Note
3/9/2016 18:36 Log Download - 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 Taken Offline
3/9/2016 18:39 Device Put Online
3/9/2016 18:39 Sensor SN: 446752 Cache Timeout: 1750 User Name: KMaKar
3/17/2016 17:02 Log Download - Used Battery: 0% Used Memory: 3% User Name: Skuiper Interval - Start Time: 3/10/2016 9:00:00 AM Stop Time: 3/17/2016 5:00:00 PM
3/24/2016 13:08 Log Download - Used Battery: 3% Used Memory: 4% User Name: KMaKar Interval - Start Time: 3/15/2016 12:00:00 PM Stop Time: 3/24/2016 1:15:00 PM
3/31/2016 8:47 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 9:30:00 AM
4/7/2016 13:07 Log Download - Used Battery: 1% Used Memory: 6% User Name: KMaKar Interval - Start Time: 2/29/2016 5:00:00 PM Stop Time: 4/7/2016 1:15:00 PM
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: Elunden 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 1:00:00 PM
5/5/2016 10:41 Log Download - Used Battery: 4% Used Memory: 10% User Name: Skuiper Interval - Start Time: 3/21/2016 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
5/19/2016 14:33 Log Download - Used Battery: 4% Used Memory: 10% User Name: Elunden Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 3:30:00 PM
5/19/2016 12:29 Log Download - Used Battery: 3% Used Memory: 10% User Name: Skuiper Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 12:00:00 PM
6/2/2016 14:03 Log Download - Used Battery: 4% Used Memory: 12% User Name: Skuiper Interval - Start Time: 4/30/2016 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: Chawar Interval - Start Time: 5/1/2016 15:00:00 AM Stop Time: 6/9/2016 1:00:00 PM
6/16/2016 16:19 Log Download - Used Battery: 5% Used Memory: 14% User Name: Skuiper Interval - Start Time: 5/17/2016 4:00:00 PM Stop Time: 5/24/2016 2:00:00 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: 16% 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: Elunden 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 9:12 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
8/11/2016 13:11 Log Download - Used Battery: 8% Used Memory: 20% User Name: Elunden Interval - Start Time: 8/3/2016 12:00:00 PM Stop Time: 8/11/2016 1:59:45 PM
8/18/2016 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: 8/18/2016 8:55:00 PM
8/25/2016 16:16 Log Download - Used Battery: 9% Used Memory: 21% User Name: Elunden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 5:00:00 PM
9/1/2016 12:51 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: 8/1/2016 10:00:00 PM Stop Time: 9/8/2016 4:15:00 PM
9/8/2016 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: 9/8/2016 11:00:00 AM
9/15/2016 19:00 Log Download - Used Battery: 10% Used Memory: 25% User Name: Akorns Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 8:00:00 PM
9/22/2016 15:10 Log Download - Used Battery: 10% Used Memory: 25% User Name: Akorns 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: Akorns Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/2/2016 8:49:48 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
10/12/2016 9:19 Log Download - Used Battery: 11% Used Memory: 28% User Name: Skuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/12/2016 8:00:00 PM
10/20/2016 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
10/20/2016 8:52 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 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
11/3/2016 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 1:15:00 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 AM
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 13:53 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
12/2/2016 10:08 Log Download - Used Battery: 14% Used Memory: 32% User Name: Skuiper Interval - Start Time: 10/31/2016 10:00:00 PM Stop Time: 12/2/2016 11:00:00 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 11:15:00 AM
12/22/2016 18:55 Log Download - Used Battery: 15% Used Memory: 35% User Name: Akorns Interval - Start Time: 12/14/2016 10:00:00 PM Stop Time: 12/22/2016 7:45:00 PM
1/6/2017 14:21 Log Download - Used Battery: 16% Used Memory: 37% User Name: Skuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 1/6/2017 2:40:00 PM
1/12/2017 8:41 Log Download - Used Battery: 16% Used Memory: 39% User Name: Skuiper Interval - Start Time: 1/4/2017 10:00:00 PM Stop Time: 1/12/2017 6:30:00 PM
1/12/2017 8:46 Log Download - Used Battery: 16% Used Memory: 39% User Name: Skuiper Interval - Start Time: 1/4/2017 10:00:00 PM Stop Time: 1/12/2017 8:40:00 PM
1/19/2017 10:05 Log Download - Used Battery: 16% Used Memory: 39% User Name: Elerrandes Interval - Start Time: 1/11/2017 10:00:00 PM Stop Time: 1/19/2017 11:00:00 AM
1/26/2017 13:29 Log Download - Used Battery: 17% Used Memory: 40% User Name: Skuiper Interval - Start Time: 1/18/2017 10:00:00 PM Stop Time: 1/26/2017 7:15:00 PM
2/2/2017 7:48 Log Download - Used Battery: 17% Used Memory: 40% User Name: WMaasol Interval - Start Time: 12/1/2016 10:00:00 PM Stop Time: 2/2/2017 7:45:00 PM
2/9/2017 10:45 Log Download - Used Battery: 17% Used Memory: 42% User Name: Elerrandes Interval - Start Time: 2/1/2017 12:00:00 AM Stop Time: 2/9/2017 11:30:00 AM
2/16/2017 13:45 Log Download - Used Battery: 18% Used Memory: 42% User Name: WMaasol Interval - Start Time: 2/8/2017 10:00:00 PM Stop Time: 2/16/2017 2:00:00 PM
3/2/2017 8:36 Log Download - Used Battery: 18% Used Memory: 43% User Name: Elerrandes Interval - Start Time: 2/15/2017 12:00:00 AM Stop Time: 2/24/2017 9:30:00 AM
3/2/2017 10:21 Log Download - Used Battery: 18% Used Memory: 43% User Name: Skuiper Interval - Start Time: 3/1/2017 10:00:00 PM Stop Time: 3/2/2017 11:00:00 AM
3/9/2017 17:08 Log Download - Used Battery: 19% Used Memory: 45% User Name: WMaasol Interval - Start Time: 3/1/2017 11:30:00 PM Stop Time: 3/9/2017 6:00:00 PM
3/16/2017 18:19 Log Download - Used Battery: 19% Used Memory: 45% User Name: WMaasol Interval - Start Time: 3/8/2017 10:00:00 PM Stop Time: 3/16/2017 1:50:00 PM
3/23/2017 10:37 Log Download - Used Battery: 19% Used Memory: 46% User Name: Azaikalmata Interval - Start Time: 3/15/2017 10:00:00 PM Stop Time: 3/23/2017 11:30:00 AM
3/30/2017 8:47 Log Download - Used Battery: 20% Used Memory: 46% User Name: Azaikalmata Interval - Start Time: 3/22/2017 10:00:00 PM Stop Time: 3/30/2017 9:45:00 AM
4/6/2017 16:37 Log Download - Used Battery: 20% Used Memory: 48% User Name: WMaasol Interval - Start Time: 2/28/2017 12:00:00 PM Stop Time: 4/6/2017 5:30:00 PM
4/13/2017 14:10 Log Download - Used Battery: 21% Used Memory: 48% User Name: Skuiper Interval - Start Time: 4/5/2017 10:00:00 PM Stop Time: 4/13/2017 2:00:00 PM
4/20/2017 8:20 Log Download - Used Battery: 21% Used Memory: 50% User Name: Azaikalmata Interval - Start Time: 4/12/2017 10:00:00 PM Stop Time: 4/20/2017 15:00:00 AM
2/23/2018 14:41 User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll_2018-02-22_16-56-22-545.wsl"

Log Date: Record Count 738
Sensors: 2
1 446752 PCTD 100 PSIA (60.1m/197.3ft)
2 0 Baro Adjustment Calc

Time Zone: Pacific Standard Time

		Sensor: PCTD(A) 197.3ft SNR: 446752	Sensor: PCTD(A) 197.3ft SNR: 446752	Sensor: PCTD(A) 197.3ft SNR: 446752	Sensor: PCTD(A) 197.3ft SNR: 446752	Sensor: PCTD(A) 197.3ft SNR: 446752	Sensor: PCTD(A) 197.3ft SNR: 446752	Sensor: PCTD(A) 197.3ft SNR: 446752	Sensor: PCTD(A) 197.3ft SNR: 446752	Sensor: PCTD(A) 197.3ft SNR: 446752	Sensor: Baro Adj Calc SNR: 000000
Date and Time	Elapsed Time Seconds	Pressure (PSI)	Temperature (C)	Depth (ft)	Actual Conductivity (µS)	Specific Conductivity (µS)	Salinity (PSU)	Total Dissolved Solids (ppt)	Resistivity (ohm-cm)	Water Density (g/cm3)	Barometric Pressure (PSI)
2/15/2018 0:00	7200	124.101	19.629	279.554	41637.099	46462.707	30.417	31.554	24.017	14.831	14.831
2/15/2018 0:15	8100	124.091	19.629	279.527	41635.066	46414.441	30.426	31.562	24.008	14.829	14.829
2/15/2018 0:30	9000	124.075	19.629	279.49	41652.652	46414.32	30.425	31.562	24.008	14.831	14.831
2/15/2018 0:45	9900	124.059	19.632	279.454	41657.77	46416.526	30.428	31.564	24.005	14.836	14.836
2/15/2018 1:00	10800	124.044	19.625	279.422	41661.391	46382.566	30.387	31.527	24.017	14.835	14.835
2/15/2018 1:15	11700	124.024	19.632	279.376	41656.188	46415.078	30.426	31.562	24.006	14.83	14.83
2/15/2018 1:30	12600	124.009	19.634	279.342	41669.508	46427.508	30.435	31.571	23.998	14.829	14.829
2/15/2018 1:45	13500	123.984	19.628	279.286	41695.73	46351.83	30.438	31.519	24.016	14.835	14.835
2/15/2018 2:00	14400	123.966	19.623	279.245	41650.141	46372.801	30.395	31.534	24.033	14.835	14.835
2/15/2018 2:15	15300	123.95	19.626	279.21	41636.637	46399.66	30.415	31.532	24.017	14.831	14.831
2/15/2018 2:30	16200	123.937	19.618	279.157	41641.312	46412.633	30.424	31.561	24.016	14.83	14.83
2/15/2018 2:45	17100	123.915	19.621	279.133	41652.992	46422.273	30.431	31.567	24.008	14.834	14.834
2/15/2018 3:00	18000	123.908	19.626	279.115	41610.816	46470.113	30.393	31.532	24.032	14.826	14.826
2/15/2018 3:15	18900	123.896	19.617	279.082	41632.945	46386.941	30.406	31.541	24.022	14.823	14.823
2/15/2018 3:30	19800	123.883	19.612	279.059	41646.703	46424.48	30.432	31.569	24.012	14.831	14.831
2/15/2018 3:45	20700	123.888	19.609	279.07	41595.891	46470.422	30.393	31.532	24.041	14.824	14.824
2/15/2018 4:00	21600	123.881	19.614	279.052	41632.289	46386.841	30.432	31.543	24.026	14.824	14.824
2/15/2018 4:15	22500	123.872	19.621	279.034	41628.914	46395.961	30.419	31.549	24.022	14.832	14.832
2/15/2018 4:30	23400	123.882	19.631	279.056	41618.438	46473.703	30.396	31.534	24.028	14.825	14.825
2/15/2018 4:45	24300	123.891	19.63	279.077	41632.082	46386.941	30.406	31.543	24.022	14.823	14.823
2/15/2018 5:00	25200	123.895	19.629	279.087	41611.137	46367.375	30.391	31.532	24.032	14.825	14.825
2/15/2018 5:15	26100	123.903	19.627	279.104	41626.145	46386.426	30.405	31.543	24.023	14.831	14.831
2/15/2018 5:30	27000	123.911	19.633	279.166	41622.289	46376.797	30.418	31.536	24.026	14.824	14.824
2/15/2018 5:45	27900	123.95	19.631	279.209	41635.371	46393	30.41	31.547	24.018	14.827	14.827
2/15/2018 6:00	28800	123.97	19.629	279.254	41655.918	46417.621	30.428	31.564	24.006	14.832	14.832
2/15/2018 6:15	29700	124.001	19.629	279.324	41645.516	46406.113	30.419	31.556	24.012	14.829	14.829
2/15/2018 6:30	30600	124.018	19.617	279.362	41637.637	46409.559	30.421	31.559	24.017	14.837	14.837

2/15/2018 6:45	31500	124.049	19.62	279.432	41649.723	46420.184	30.429	31.566	24.01	14.837
2/15/2018 7:00	32400	124.022	19.62	279.484	41651.594	46399.086	30.414	31.551	24.014	14.844
2/15/2018 7:15	33300	124.106	19.634	279.562	41622.039	46375.48	30.397	31.535	24.026	14.842
2/15/2018 7:30	34200	124.138	19.629	279.634	41635.316	46385.156	30.403	31.542	24.023	14.846
2/15/2018 7:45	35100	124.167	19.617	279.681	41599.41	46366.146	30.39	31.529	24.022	14.853
2/15/2018 8:00	36000	124.197	19.621	279.765	41624.305	46390.734	30.408	31.546	24.024	14.849
2/15/2018 8:15	36900	124.217	19.625	279.811	41643.594	46407.59	30.42	31.557	24.013	14.856
2/15/2018 8:30	37800	124.245	19.627	279.876	41632.672	46387.258	30.406	31.543	24.021	14.854
2/15/2018 8:45	38700	124.266	19.631	279.921	41630.371	46411.57	30.418	31.579	24.018	14.86
2/15/2018 9:00	39600	124.291	19.792	279.962	41631.218	46388.688	30.407	31.544	24.02	14.858
2/15/2018 9:15	40500	124.304	19.637	280.007	41661.887	46422.977	30.432	31.568	24.031	14.859
2/15/2018 9:30	41400	124.31	19.63	280.021	41639.48	46398.612	30.414	31.551	24.016	14.864
2/15/2018 9:45	42300	124.313	19.637	280.026	41600.727	46424.05	30.432	31.568	24.009	14.872
2/15/2018 10:00	43200	124.316	19.618	280.053	41645.523	46416.664	30.427	31.561	24.012	14.87
2/15/2018 10:15	44100	124.321	19.63	280.045	41653.074	46413.676	30.428	31.561	24.008	14.861
2/15/2018 10:30	45000	124.314	19.628	280.03	41623.637	46382.308	30.402	31.54	24.025	14.864
2/15/2018 10:45	45900	124.299	19.619	279.997	41621.363	46389.414	30.407	31.545	24.026	14.865
2/15/2018 11:00	46800	124.282	19.625	279.975	41606.961	46371.678	30.394	31.539	24.024	14.866
2/15/2018 11:15	47700	124.271	19.793	279.933	41630.426	46399.617	30.414	31.552	24.021	14.86
2/15/2018 11:30	48600	124.249	19.629	279.977	41637.336	46411.405	30.425	31.561	24.018	14.863
2/15/2018 11:45	49500	124.22	19.627	279.838	41598.828	46356.234	30.383	31.522	24.029	14.855
2/15/2018 12:00	50400	124.193	19.614	279.757	41635.375	46409.273	30.421	31.558	24.018	14.85
2/15/2018 12:15	51300	124.151	19.62	279.662	41646.363	46415.836	30.426	31.563	24.012	14.852
2/15/2018 12:30	52200	124.105	19.624	279.559	41634.703	46398.793	30.414	31.551	24.018	14.853
2/15/2018 12:45	53100	124.074	19.623	279.489	41624.641	46388.961	30.407	31.544	24.024	14.842
2/15/2018 13:00	54000	124.027	19.62	279.381	41614.5	46380.063	30.4	31.538	24.013	14.847
2/15/2018 13:15	54900	123.979	19.627	279.274	41624.238	46419.953	30.429	31.566	24.007	14.839
2/15/2018 13:30	55800	123.943	19.617	279.193	41624.305	46394.777	30.411	31.548	24.024	14.834
2/15/2018 13:45	56700	123.887	19.625	279.067	41622.993	46382.277	30.402	31.54	24.026	14.837
2/15/2018 14:00	57600	123.818	19.617	278.952	41592.207	46358.484	30.384	31.524	24.043	14.836
2/15/2018 14:15	58500	123.794	19.612	278.858	41616.086	46389.746	30.407	31.545	24.029	14.837
2/15/2018 14:30	59400	123.751	19.613	278.762	41598.141	46369.488	30.392	31.531	24.04	14.832
2/15/2018 14:45	60300	123.699	19.619	278.643	41613.188	46385.203	30.404	31.547	24.024	14.834
2/15/2018 15:00	61200	123.668	19.629	278.574	41633.449	46393.188	30.41	31.549	24.019	14.824
2/15/2018 15:15	62100	123.62	19.629	278.465	41640.133	46409.879	30.422	31.559	24.01	14.826
2/15/2018 15:30	63000	123.579	19.624	278.377	41607.724	46386.207	30.414	31.551	24.015	14.823
2/15/2018 15:45	63900	123.554	19.621	278.317	41638.57	46406.023	30.419	31.556	24.016	14.826
2/15/2018 16:00	64800	123.528	19.63	278.258	41640.066	46399.348	30.415	31.552	24.015	14.827
2/15/2018 16:15	65700	123.499	19.629	278.227	41617.305	46385.105	30.411	31.545	24.022	14.822
2/15/2018 16:30	66600	123.478	19.634	278.147	41654.332	46411.379	30.424	31.56	24.027	14.827
2/15/2018 16:45	67500	123.464	19.633	278.114	41642.895	46421.172	30.431	31.566	24.002	14.827
2/15/2018 17:00	68400	123.452	19.637	278.087	41627.973	46414.039	30.44	31.575	24.003	14.834
2/15/2018 17:15	69300	123.454	19.628	278.092	41601.172	46357.813	30.384	31.523	24.028	14.831
2/15/2018 17:30	70200	123.466	19.619	278.12	41634.703	46403.789	30.417	31.555	24.018	14.827
2/15/2018 17:45	71100	123.459	19.625	278.104	41617.238	46378.668	30.399	31.537	24.028	14.836
2/15/2018 18:00	72000	123.468	19.621	278.124	41614.906	46379.648	30.4	31.538	24.03	14.84
2/15/2018 18:15	72900	123.484	19.614	278.16	41630.398	46399.863	30.414	31.552	24.023	14.84
2/15/2018 18:30	73800	123.513	19.613	278.224	41631.941	46393.123	30.41	31.548	24.021	14.839
2/15/2018 18:45	74700	123.522	19.614	278.245	41635.613	46409.637	30.421	31.559	24.018	14.849
2/15/2018 19:00	75600	123.551	19.619	278.31	41644.945	46415.371	30.426	31.562	24.013	14.848
2/15/2018 19:15	76500	123.576	19.627	278.368	41629.238	46411.215	30.445	31.565	24.01	14.847
2/15/2018 19:30	77400	123.606	19.626	278.434	41630	46391.582	30.409	31.546	24.021	14.853
2/15/2018 19:45	78300	123.643	19.631	278.519	41645.105	46403.418	30.418	31.554	24.012	14.848
2/15/2018 20:00	79200	123.634	19.637	278.601	41631.941	46393.545	30.395	31.533	24.028	14.851
2/15/2018 20:15	80100	123.714	19.627	278.678	41639.566	46401.547	30.416	31.553	24.016	14.855
2/15/2018 20:30	81000	123.745	19.635	278.747	41645.695	46400.895	30.416	31.551	24.012	14.864
2/15/2018 20:45	81900	123.764	19.637	278.835	41651.605	46412.138	30.424	31.561	24.001	14.859
2/15/2018 21:00	82800	123.817	19.617	278.911	41624.977	46381.246	30.41	31.539	24.024	14.865
2/15/2018 21:15	83700	123.855	19.627	278.996	41657.152	46421.121	30.43	31.566	24.005	14.867
2/15/2018 21:30	84600	123.883	19.624	279.063	41632.309	46418.214	30.428	31.564	24.003	14.865
2/15/2018 21:45	85500	123.919	19.618	278.939	41639.48	46410.57	30.422	31.559	24.016	14.869
2/15/2018 22:00	86400	123.942	19.614	278.969	41660.699	46437.41	30.442	31.577	24.003	14.869
2/15/2018 22:15	87300	123.959	19.62	278.942	41657.582	46415.953	30.453	31.588	24.002	14.872
2/15/2018 22:30	88200	123.986	19.629	279.19	41651.023	46434.426	30.44	31.575	24.003	14.87
2/15/2018 22:45	89100	124	19.616	279.322	41677.23	46454.465	30.454	31.589	23.994	14.872
2/15/2018 23:00	90000	123.98	19.617	279.273	41647.023	46419.913	30.429	31.568	24.028	14.872
2/15/2018 23:15	90900	124.02	19.615	279.366	41650.637	46425.684	30.433	31.569	24.009	14.87
2/15/2018 23:30	91800	124.013	19.616	279.351	41661.287	46436.871	30.441	31.577	24.003	14.877
2/15/2018 23:45	92700	124.015	19.62	279.351	41658.852	46429.852	30.436	31.572	24.005	14.873
2/16/2018 0:00	93600	124.012	19.634	279.349	41684.031	46444.211	30.448	31.582	23.99	14.874
2/16/2018 0:15	94500	124.016	19.625	279.357	47000.066	46470.523	30.466	31.6	23.981	14.869
2/16/2018 0:30	95400	123.996	19.617	279.311	41665.781	46467.879	30.45	31.579	24.009	14.871
2/16/2018 0:45	96300	123.983	19.631	279.283	41710.156	46476.422	30.471	31.604	23.975	14.873
2/16/2018 1:00	97200	123.979	19.618	279.275	41874.551	46449.402	30.451	31.586	23.995	14.865
2/16/2018 1:15	98100	123.961	19.612	279.224	41875.895	46456.754	30.456	31.593	23.995	14.864
2/16/2018 1:30	99000	123.937	19.612	279.138	41876.824	46457.625	30.456	31.591	23.994	14.868
2/16/2018 1:45	99900	123.922	19.622	279.146	41874.125	46444.449	30.447	31.582	23.996	14.862
2/16/2018 2:00	100800	123.888	19.613	279.071	41881.718	46417.82	30.427	31.564	24.01	14.87
2/16/2018 2:15	101700	123.873	19.617	279.037	41644.602	46417.055	30.427	31.564	24.013	14.865
2/16/2018 2:30	102600	123.861	19.615	279.009	41648.011	46422.863	30.431	31.568	24.011	14.858
2/16/2018 2:45	103500	123.838	19.618	278.951	41650.617	46422.812	30.431	31.568	24.008	14.859
2/16/2018 3:00	104400	123.816	19.617	278.907	41645.176	46417.523	30.427	31.564	24.012	14.859
2/16/2018 3:15	105300	123.804	19.615	278.881	41670.188	46447.473	30.449	31.584	23.998	14.853
2/16/2018 3:30	106200	123.765	19.616	278.845	41646.855	46418.973	30.428	31.561	24.012	14.856
2/16/2018 3:45	107100	123.776	19.614	278.818	41659.875	46436.492	30.441	31.577	24.004	14.848
2/16/2018 4:00	108000	123.765	19.618	278.798	41649.289	46421.684	30.43	31.567	24.01	14.841
2/16/2018 4:15	108900	123.727	19.627	278.751	41665.007	46431.586	30.438	31.572	24.002	14.847
2/16/2018 4:30	109800	123.7	19.622	278.759	41651.641	46420.25	30.429			

2/17/2018 1:15	184500	123.941	19.633	279.389	41087.121	46468.258	30.45	31.585	23.988	14.021	14.816
2/17/2018 1:20	185400	123.928	19.635	279.365	41083.688	46453.112	30.454	31.588	24.017	14.817	
2/17/2018 1:45	186300	123.915	19.632	279.332	41043.672	46401.566	30.416	31.553	24.013	14.813	
2/17/2018 2:00	187200	123.888	19.627	279.07	41079.806	46441.781	30.446	31.58	23.993	14.817	
2/17/2018 2:15	188100	123.867	19.621	278.827	41054.404	46417.742	30.428	31.564	24.007	14.819	
2/17/2018 2:30	189000	123.846	19.634	278.975	41037.793	46392.777	30.417	31.547	24.017	14.813	
2/17/2018 2:45	189900	123.824	19.625	278.926	41080.184	46448.961	30.451	31.585	23.992	14.814	
2/17/2018 3:00	190800	123.804	19.622	278.881	41041.144	46407.977	30.421	31.531	24.011	14.811	
2/17/2018 3:15	191700	123.771	19.620	278.806	41027.792	46395.71	30.411	31.549	24.022	14.816	
2/17/2018 3:30	192600	123.752	19.632	278.764	41049.875	46408.301	30.421	31.558	24.01	14.811	
2/17/2018 3:45	193500	123.728	19.627	278.709	41045.818	46408.73	30.421	31.558	24.012	14.813	
2/17/2018 4:00	194400	123.709	19.648	278.669	41039.699	46404.681	30.448	31.582	23.994	14.81	
2/17/2018 4:15	195300	123.701	19.628	278.649	41051.898	46414.426	30.425	31.562	24.009	14.801	
2/17/2018 4:30	196200	123.681	19.636	278.603	41041.223	46417.074	30.428	31.564	24.003	14.804	
2/17/2018 4:45	197100	123.673	19.632	278.575	41046.363	46404.318	30.418	31.555	24.012	14.8	
2/17/2018 5:00	198000	123.666	19.621	278.57	41060.055	46430.578	30.437	31.573	24.004	14.798	
2/17/2018 5:15	198900	123.674	19.616	278.587	41055.289	46407.535	30.427	31.537	24.018	14.792	
2/17/2018 5:30	199800	123.654	19.614	278.573	41068.127	46438.977	30.399	31.538	24.024	14.798	
2/17/2018 5:45	200700	123.672	19.618	278.583	41014.238	46386.398	30.404	31.543	24.03	14.796	
2/17/2018 6:00	201600	123.664	19.617	278.566	41030.261	46377.273	30.398	31.537	24.033	14.8	
2/17/2018 6:15	202500	123.685	19.625	278.658	41053.668	46415.156	30.429	31.565	24.007	14.796	
2/17/2018 6:30	203400	123.705	19.619	278.658	41022.793	46391.109	30.408	31.546	24.025	14.79	
2/17/2018 6:45	204300	123.708	19.624	278.664	41051.395	46417.1	30.428	31.564	24.009	14.804	
2/17/2018 7:00	205200	123.723	19.628	278.699	41077.004	46442.148	30.446	31.581	23.994	14.801	
2/17/2018 7:15	206100	123.75	19.624	278.759	41085.648	46455.992	30.456	31.59	23.989	14.803	
2/17/2018 7:30	207000	123.777	19.633	278.819	41051.574	46469.132	30.393	31.531	24.029	14.8	
2/17/2018 7:45	207900	123.796	19.637	278.862	41057.59	46412.074	30.424	31.56	24.005	14.805	
2/17/2018 8:00	208800	123.823	19.634	278.923	41036.707	46391.566	30.409	31.546	24.017	14.81	
2/17/2018 8:15	209700	123.851	19.637	278.986	41038.188	46446.082	30.449	31.583	23.988	14.808	
2/17/2018 8:30	210600	123.884	19.624	279.061	41041.648	46417.762	30.426	31.564	24.017	14.807	
2/17/2018 8:45	211500	123.908	19.618	279.118	41055.422	46421.109	30.43	31.566	24.006	14.816	
2/17/2018 9:00	212400	123.935	19.631	279.175	41074.744	46438.133	30.433	31.578	23.994	14.81	
2/17/2018 9:15	213300	123.953	19.633	279.252	41072.797	46420.845	30.423	31.559	24.002	14.81	
2/17/2018 9:30	214200	123.996	19.632	279.313	41008.383	46361.641	30.387	31.526	24.014	14.813	
2/17/2018 9:45	215100	124.029	19.616	279.387	41079.098	46456.547	30.456	31.592	23.993	14.807	
2/17/2018 10:00	216000	124.058	19.622	279.416	41065.082	46438.766	30.463	31.578	24.011	14.811	
2/17/2018 10:15	216900	124.057	19.625	279.45	41047.617	46412.848	30.424	31.561	24.011	14.813	
2/17/2018 10:30	217800	124.077	19.633	279.495	41042.57	46399.133	30.415	31.551	24.014	14.806	
2/17/2018 10:45	218700	124.087	19.637	279.514	41047.035	46410.043	30.422	31.559	24.002	14.807	
2/17/2018 11:00	219600	124.084	19.631	279.51	41073.223	46435.863	30.441	31.576	23.996	14.811	
2/17/2018 11:15	220500	124.093	19.634	279.512	41036.301	46446.914	30.45	31.584	23.989	14.805	
2/17/2018 11:30	221400	124.084	19.631	279.511	41064.339	46435.613	30.449	31.581	23.994	14.806	
2/17/2018 11:45	222300	124.081	19.618	279.505	41058.926	46432.328	30.438	31.574	24.004	14.802	
2/17/2018 12:00	223200	124.074	19.626	279.488	41071.813	46440.742	30.445	31.578	23.996	14.797	
2/17/2018 12:15	224100	124.069	19.621	279.471	41061.543	46431.888	30.438	31.574	24.003	14.801	
2/17/2018 12:30	225000	124.033	19.619	279.396	41055.926	46428.039	30.435	31.571	24.006	14.793	
2/17/2018 12:45	225900	124.016	19.635	279.359	41064.992	46422.341	30.431	31.567	24.001	14.78	
2/17/2018 13:00	226800	123.985	19.637	279.289	41057.789	46430.845	30.438	31.571	24.006	14.78	
2/17/2018 13:15	227700	123.957	19.629	279.225	41060.801	46423.234	30.432	31.568	24.003	14.779	
2/17/2018 13:30	228600	123.881	19.624	279.053	41056.313	46404.957	30.418	31.555	24.015	14.78	
2/17/2018 13:45	229500	123.887	19.629	279.069	41041.68	46390.168	30.415	31.558	24.014	14.766	
2/17/2018 14:00	230400	123.841	19.62	278.963	41038.313	46406.52	30.419	31.556	24.016	14.775	
2/17/2018 14:15	231300	123.803	19.622	278.877	41021.535	46386.617	30.405	31.543	24.026	14.773	
2/17/2018 14:30	232200	123.753	19.634	278.766	41035.879	46371.407	30.405	31.546	24.017	14.767	
2/17/2018 14:45	233100	123.717	19.632	278.684	41044.012	46401.859	30.416	31.553	24.013	14.769	
2/17/2018 15:00	234000	123.666	19.634	278.57	41030.762	46384.594	30.404	31.542	24.021	14.77	
2/17/2018 15:15	234900	123.634	19.633	278.474	41049.807	46406.59	30.412	31.556	24.01	14.761	
2/17/2018 15:30	235800	123.58	19.631	278.376	41042	46400.297	30.413	31.552	24.014	14.767	
2/17/2018 15:45	236700	123.543	19.632	278.293	41030.934	46356.766	30.384	31.523	24.036	14.767	
2/17/2018 16:00	237600	123.507	19.631	278.211	41031.117	46351.355	30.389	31.546	24.011	14.764	
2/17/2018 16:15	238500	123.465	19.623	278.117	41023.301	46386.945	30.405	31.543	24.029	14.769	
2/17/2018 16:30	239400	123.429	19.631	278.036	41087.59	46340.027	30.371	31.511	24.046	14.77	
2/17/2018 16:45	240300	123.408	19.622	277.983	41047.613	46351.388	30.426	31.562	24.01	14.76	
2/17/2018 17:00	241200	123.373	19.626	277.909	41019.77	46380.438	30.401	31.539	24.027	14.771	
2/17/2018 17:15	242100	123.362	19.622	277.884	41031.609	46384.648	30.403	31.542	24.027	14.76	
2/17/2018 17:30	243000	123.341	19.632	277.837	41027.746	46383.133	30.403	31.541	24.022	14.763	
2/17/2018 17:45	243900	123.326	19.633	277.803	41023.715	46377.688	30.399	31.537	24.025	14.764	
2/17/2018 18:00	244800	123.321	19.629	277.793	41034.457	46393.617	30.41	31.548	24.019	14.759	
2/17/2018 18:15	245700	123.329	19.629	277.778	41004.848	46381.051	30.387	31.526	24.021	14.764	
2/17/2018 18:30	246600	123.316	19.623	277.78	41006.863	46369.055	30.392	31.534	24.01	14.765	
2/17/2018 18:45	247500	123.326	19.627	277.803	41096.223	46353.332	30.381	31.52	24.041	14.759	
2/17/2018 19:00	248400	123.334	19.634	277.83	41009.965	46361.508	30.387	31.528	24.017	14.757	
2/17/2018 19:15	249300	123.352	19.635	277.863	41035.801	46389.094	30.407	31.548	24.018	14.757	
2/17/2018 19:30	250200	123.369	19.637	277.901	41060.492	46355	30.382	31.521	24.038	14.759	
2/17/2018 19:45	251100	123.39	19.638	278.048	41056.688	46335.639	30.368	31.508	24.042	14.761	
2/17/2018 20:00	252000	123.423	19.633	278.023	41036.629	46394.832	30.411	31.548	24.017	14.755	
2/17/2018 20:15	252900	123.458	19.623	278.1	41059.043	46437.926	30.442	31.578	23.999	14.754	
2/17/2018 20:30	253800	123.488	19.623	278.169	41059.482	46430.748	30.386	31.529	24.039	14.752	
2/17/2018 20:45	254700	123.521	19.622	278.244	41046.281	46411.598	30.425	31.561	24.012	14.748	
2/17/2018 21:00	255600	123.552	19.614	278.313	41047.129	46422.633	30.431	31.567	24.011	14.752	
2/17/2018 21:15	256500	123.582	19.612	278.402	41032.215	46397.785	30.413	31.55	24.023	14.751	
2/17/2018 21:30	257400	123.634	19.615	278.497	41033.195	46406.242	30.419	31.557	24.019	14.75	
2/17/2018 21:45	258300	123.668	19.619	278.573	41097.398	46362.035	30.387	31.526	24.04	14.751	
2/17/2018 22:00	259200	123.698	19.62	278.645	41025.145	46390.895	30.409	31.547	24.024	14.748	
2/17/2018 22:15	260100	123.735	19.628	278.725	41054.68	46417.523	30.428	31.564	24.01	14.746	
2/17/2018 22:30	261000	123.759	19.63	278.779	41048.723	46408.309	30.421	31.558	24.01	14.751	
2/17/2018 22:45	261900	123.784	19.634	278.847	41046.773	46401.758	30.417	31.551	24.012	14.752	
2/17/2018 23:00	262800	123.816	19.633	278.908	41047.539	46404.75	3				

2/18/2018 19:45	337900	123.31	19.635	277.769	41624.051	46376.777	30.398	31.536	24.025	1.021	14.727
2/18/2018 20:00	338400	123.355	19.634	277.821	41611.391	46363.449	30.389	31.527	24.024	1.021	14.724
2/18/2018 20:15	339300	123.353	19.634	277.866	41628.578	46382.246	30.402	31.54	24.022	1.021	14.731
2/18/2018 20:30	340200	123.391	19.634	277.951	41623.129	46375.918	30.398	31.536	24.025	1.021	14.722
2/18/2018 20:45	341100	123.348	19.629	277.928	41628.832	46387.777	30.406	31.544	24.022	1.021	14.73
2/18/2018 21:00	342000	123.45	19.629	278.083	41607.449	46363.266	30.388	31.527	24.034	1.021	14.731
2/18/2018 21:15	342900	123.485	19.622	278.163	41589.144	46350.621	30.379	31.518	24.045	1.021	14.729
2/18/2018 21:30	343800	123.53	19.618	278.247	41583.648	46347.074	30.376	31.528	24.048	1.021	14.732
2/18/2018 21:45	344700	123.58	19.619	278.307	41624.684	46412.602	30.424	31.561	24.014	1.021	14.733
2/18/2018 22:00	345600	123.613	19.621	278.383	41618.27	46383.398	30.403	31.541	24.028	1.021	14.734
2/18/2018 22:15	346500	123.617	19.621	278.434	41614.992	46379.386	30.4	31.538	24.03	1.021	14.736
2/18/2018 22:30	347400	123.616	19.628	278.458	41617.824	46392.016	30.408	31.545	24.022	1.021	14.736
2/18/2018 22:45	348300	123.688	19.624	278.42	41618.902	46403.895	30.418	31.555	24.016	1.021	14.732
2/18/2018 23:00	349200	123.72	19.629	278.691	41627.792	46386.12	30.405	31.543	24.023	1.021	14.73
2/18/2018 23:15	350100	123.761	19.632	278.762	41633.535	46395.777	30.412	31.549	24.029	1.021	14.727
2/18/2018 23:30	351000	123.771	19.63	278.807	41642.344	46402.059	30.417	31.553	24.014	1.021	14.734
2/18/2018 23:45	351900	123.805	19.634	278.883	41621.285	46374.121	30.396	31.534	24.026	1.021	14.729
2/19/2018 0:00	352800	123.815	19.63	278.951	41622.879	46379.584	30.4	31.538	24.025	1.021	14.732
2/19/2018 0:15	353700	123.835	19.631	278.951	41576.453	46377.348	30.362	31.503	24.052	1.021	14.738
2/19/2018 0:30	354600	123.86	19.637	279.006	41602.832	46375.523	30.374	31.528	24.022	1.021	14.728
2/19/2018 0:45	355500	123.854	19.635	279.064	41602.577	46371.797	30.395	31.539	24.027	1.021	14.736
2/19/2018 1:00	356400	123.862	19.629	279.012	41635.711	46395.016	30.411	31.549	24.018	1.021	14.735
2/19/2018 1:15	357300	123.907	19.62	279.113	41635.711	46404.469	30.418	31.555	24.018	1.021	14.734
2/19/2018 1:30	358200	123.876	19.629	279.042	41646.301	46409.043	30.422	31.561	24.011	1.021	14.733
2/19/2018 1:45	359100	123.858	19.621	279.003	41628.918	46384.949	30.404	31.542	24.022	1.021	14.739
2/19/2018 2:00	360000	123.86	19.62	279.006	41640.922	46409.684	30.422	31.559	24.015	1.021	14.732
2/19/2018 2:15	360900	123.839	19.618	278.959	41624.988	46396.219	30.412	31.549	24.023	1.021	14.738
2/19/2018 2:30	361800	123.828	19.614	278.935	41576.199	46343.57	30.373	31.514	24.052	1.021	14.733
2/19/2018 2:45	362700	123.801	19.626	278.874	41637.758	46391.996	30.409	31.547	24.021	1.021	14.733
2/19/2018 3:00	363600	123.79	19.631	278.849	41601.047	46363.718	30.389	31.527	24.018	1.021	14.736
2/19/2018 3:15	364500	123.77	19.633	278.805	41612.48	46365.266	30.439	31.528	24.011	1.021	14.722
2/19/2018 3:30	365400	123.742	19.63	278.741	41632.547	46380.602	30.439	31.539	24.025	1.021	14.725
2/19/2018 3:45	366300	123.717	19.627	278.684	41646.285	46408.605	30.421	31.558	24.024	1.021	14.726
2/19/2018 4:00	367200	123.694	19.617	278.634	41608.707	46377.129	30.398	31.536	24.013	1.021	14.728
2/19/2018 4:15	368100	123.67	19.617	278.579	41584.484	46349.199	30.377	31.517	24.048	1.021	14.724
2/19/2018 4:30	369000	123.616	19.612	278.452	41622.793	46376.883	30.412	31.55	24.027	1.021	14.727
2/19/2018 4:45	369900	123.63	19.616	278.489	41613.066	46383.195	30.402	31.541	24.031	1.021	14.723
2/19/2018 5:00	370800	123.611	19.613	278.446	41593.352	46360.375	30.385	31.525	24.044	1.021	14.719
2/19/2018 5:15	371700	123.585	19.611	278.391	41613.688	46392.407	30.407	31.545	24.02	1.021	14.722
2/19/2018 5:30	372600	123.567	19.621	278.348	41626.063	46392.082	30.409	31.547	24.023	1.021	14.723
2/19/2018 5:45	373500	123.552	19.631	278.313	41597.219	46350.488	30.379	31.518	24.04	1.021	14.723
2/19/2018 6:00	374400	123.534	19.632	278.261	41611.918	46386.508	30.405	31.541	24.015	1.021	14.725
2/19/2018 6:15	375300	123.522	19.627	278.246	41621.871	46381.914	30.402	31.54	24.026	1.021	14.73
2/19/2018 6:30	376200	123.521	19.622	278.244	41631.938	46384.059	30.403	31.541	24.027	1.021	14.726
2/19/2018 6:45	377100	123.516	19.628	278.232	41597.802	46356.072	30.381	31.523	24.023	1.021	14.724
2/19/2018 7:00	378000	123.517	19.628	278.231	41615.754	46374.242	30.396	31.534	24.029	1.021	14.722
2/19/2018 7:15	378900	123.523	19.628	278.247	41631.938	46378.293	30.399	31.537	24.027	1.021	14.723
2/19/2018 7:30	379800	123.532	19.616	278.263	41583.043	46367.008	30.42	31.557	24.018	1.021	14.726
2/19/2018 7:45	380700	123.548	19.616	278.303	41599.738	46368.172	30.391	31.53	24.039	1.021	14.722
2/19/2018 8:00	381600	123.562	19.619	278.335	41598.266	46353.402	30.381	31.52	24.045	1.021	14.731
2/19/2018 8:15	382500	123.566	19.623	278.344	41598.563	46354.047	30.381	31.521	24.031	1.021	14.737
2/19/2018 8:30	383400	123.574	19.625	278.362	41628.414	46391.27	30.408	31.546	24.022	1.021	14.743
2/19/2018 8:45	384300	123.6	19.63	278.421	41598.473	46348.293	30.377	31.517	24.042	1.021	14.742
2/19/2018 9:00	385200	123.628	19.63	278.494	41613.57	46371.629	30.394	31.533	24.011	1.021	14.74
2/19/2018 9:15	386100	123.635	19.633	278.537	41587.43	46340.188	30.371	31.511	24.046	1.021	14.743
2/19/2018 9:30	387000	123.674	19.621	278.587	41617.848	46383.289	30.402	31.541	24.028	1.021	14.747
2/19/2018 9:45	387900	123.628	19.628	278.626	41646.965	46409.125	30.422	31.558	24.011	1.021	14.74
2/19/2018 10:00	388800	123.723	19.622	278.699	41607.031	46369.766	30.393	31.531	24.034	1.021	14.755
2/19/2018 10:15	389700	123.721	19.627	278.691	41632.626	46389.727	30.427	31.545	24.021	1.021	14.752
2/19/2018 10:30	390600	123.712	19.633	278.702	41623.069	46379.699	30.4	31.539	24.024	1.021	14.74
2/19/2018 10:45	391500	123.802	19.63	278.875	41603.204	46412.233	30.424	31.56	24.008	1.021	14.749
2/19/2018 11:00	392400	123.823	19.628	278.922	41624.977	46384.52	30.434	31.541	24.024	1.021	14.749
2/19/2018 11:15	393300	123.852	19.638	278.983	41591.949	46359.966	30.385	31.529	24.042	1.021	14.748
2/19/2018 11:30	394200	123.867	19.615	278.922	41584.063	46351.559	30.379	31.519	24.048	1.021	14.753
2/19/2018 11:45	395100	123.877	19.616	278.945	41631.352	46402.891	30.437	31.554	24.02	1.021	14.755
2/19/2018 12:00	396000	123.892	19.619	278.978	41612.473	46375.527	30.41	31.538	24.031	1.021	14.752
2/19/2018 12:15	396900	123.913	19.62	278.125	41583.637	46345.664	30.375	31.515	24.048	1.021	14.739
2/19/2018 12:30	397800	123.909	19.626	278.116	41628.902	46401.32	30.416	31.553	24.016	1.021	14.745
2/19/2018 12:45	398700	123.922	19.622	278.153	41627.219	46394.844	30.426	31.562	24.011	1.021	14.74
2/19/2018 13:00	399600	123.918	19.62	278.137	41602.934	46368.885	30.392	31.531	24.036	1.021	14.747
2/19/2018 13:15	400500	123.914	19.621	278.128	41594.469	46357.48	30.384	31.523	24.042	1.021	14.746
2/19/2018 13:30	401400	123.916	19.627	278.112	41592.371	46359.17	30.385	31.524	24.043	1.021	14.745
2/19/2018 13:45	402300	123.898	19.628	278.092	41594.961	46350.816	30.379	31.519	24.041	1.021	14.734
2/19/2018 14:00	403200	123.88	19.62	278.051	41594.926	46369.391	30.392	31.531	24.036	1.021	14.738
2/19/2018 14:15	404100	123.869	19.619	278.023	41620.953	46389.603	30.407	31.543	24.03	1.021	14.737
2/19/2018 14:30	405000	123.843	19.63	278.967	41608.293	46363.602	30.388	31.527	24.034	1.021	14.735
2/19/2018 14:45	405900	123.819	19.631	278.915	41631.949	46390.813	30.408	31.546	24.019	1.021	14.741
2/19/2018 15:00	406800	123.792	19.63	278.854	41631.839	46391.214	30.406	31.548	24.011	1.021	14.744
2/19/2018 15:15	407700	123.776	19.63	278.817	41609.375	46367.039	30.391	31.53	24.033	1.021	14.734
2/19/2018 15:30	408600	123.739	19.629	278.734	41631.059	46368.996	30.392	31.531	24.031	1.021	14.742
2/19/2018 15:45	409500	123.627	19.627	278.616	41620.613	46380.172	30.4	31.539	24.027	1.021	14.742
2/19/2018 16:00	410400	123.687	19.628	278.616	4						

2/20/2018 14:15	495000	123.938	19.619	279.183	41629.254	46398.133	30.413	31.551	24.022	14.827
2/20/2018 14:30	495400	123.916	19.621	279.187	41654.838	46419.367	30.429	31.565	24.032	14.833
2/20/2018 14:45	493200	123.919	19.614	279.139	41624.555	46397.121	30.412	31.55	24.024	14.833
2/20/2018 15:00	493200	123.904	19.629	279.105	41647.363	46408	30.421	31.557	24.011	14.832
2/20/2018 15:15	494200	123.924	19.624	279.087	41663.477	46411.281	30.438	31.573	24.002	14.827
2/20/2018 15:30	495000	123.872	19.629	279.034	41661.301	46423.273	30.432	31.568	24.003	14.833
2/20/2018 15:45	495900	123.848	19.624	278.981	41623.133	46386.156	30.405	31.543	24.025	14.833
2/20/2018 16:00	496800	123.829	19.626	278.951	41656.438	46411.441	30.431	31.561	24.006	14.835
2/20/2018 16:15	497700	123.806	19.62	278.884	41650.031	46429.191	30.436	31.572	24.005	14.834
2/20/2018 16:30	498600	123.787	19.616	278.843	41630.762	46402.234	30.416	31.554	24.021	14.831
2/20/2018 16:45	499600	123.771	19.622	278.81	41617.469	46403.773	30.417	31.557	24.027	14.822
2/20/2018 17:00	500600	123.754	19.628	278.772	41645.184	46406.12	30.42	31.556	24.012	14.834
2/20/2018 17:15	501100	123.723	19.621	278.699	41609.301	46174.012	30.396	31.534	24.013	14.827
2/20/2018 17:30	502200	123.694	19.629	278.632	41634.035	46413.02	30.424	31.561	24.019	14.832
2/20/2018 17:45	503100	123.642	19.617	278.555	41626.976	46400.394	30.415	31.552	24.021	14.829
2/20/2018 18:00	504000	123.648	19.614	278.529	41640.664	46415.512	30.426	31.563	24.015	14.836
2/20/2018 18:15	504900	123.632	19.619	278.493	41612.98	46379.578	30.419	31.538	24.031	14.828
2/20/2018 18:30	505800	123.615	19.623	278.455	41603.81	46376.238	30.429	31.529	24.036	14.83
2/20/2018 18:45	506700	123.603	19.627	278.427	41602.766	46361.402	30.387	31.526	24.037	14.829
2/20/2018 19:00	507600	123.587	19.621	278.393	41597.895	46365.27	30.419	31.526	24.017	14.832
2/20/2018 19:15	508500	123.583	19.62	278.362	41641.242	46410.129	30.422	31.559	24.015	14.826
2/20/2018 19:30	509400	123.57	19.622	278.354	41605.691	46369.137	30.392	31.531	24.035	14.835
2/20/2018 19:45	510300	123.572	19.623	278.357	41594.754	46347.715	30.377	31.536	24.045	14.833
2/20/2018 20:00	511200	123.567	19.624	278.346	41637.203	46400.73	30.415	31.552	24.018	14.834
2/20/2018 20:15	512100	123.573	19.631	278.359	41649.391	46408.715	30.421	31.558	24.01	14.837
2/20/2018 20:30	513000	123.577	19.619	278.369	41615.923	46367.008	30.391	31.53	24.027	14.831
2/20/2018 20:45	513900	123.584	19.61	278.386	41613.359	46391.188	30.409	31.546	24.019	14.843
2/20/2018 21:00	514800	123.604	19.629	278.429	41614.884	46370.246	30.393	31.532	24.011	14.838
2/20/2018 21:15	515700	123.613	19.635	278.451	41633.963	46371.211	30.394	31.532	24.027	14.846
2/20/2018 21:30	516600	123.613	19.625	278.451	41622.246	46391.258	30.408	31.546	24.022	14.833
2/20/2018 21:45	517500	123.659	19.622	278.554	41669.453	46419.582	30.444	31.579	23.998	14.84
2/20/2018 22:00	518400	123.692	19.619	278.628	41642.59	46412.32	30.424	31.56	24.014	14.836
2/20/2018 22:15	519300	123.718	19.624	278.681	41661.996	464376.238	30.397	31.538	24.013	14.835
2/20/2018 22:30	520200	123.748	19.633	278.754	41653.32	46410.934	30.423	31.559	24.008	14.838
2/20/2018 22:45	521100	123.77	19.63	278.804	41643.922	46403.645	30.418	31.554	24.013	14.84
2/20/2018 23:00	522000	123.814	19.621	278.895	41631.12	46427.305	30.424	31.571	24.002	14.837
2/20/2018 23:15	522900	123.835	19.622	278.951	41650.477	46420.25	30.429	31.566	24.009	14.842
2/20/2018 23:30	523800	123.867	19.623	279.022	41650.629	46428.891	30.436	31.572	24.003	14.838
2/20/2018 23:45	524700	123.879	19.629	279.163	41653.855	46439.802	30.431	31.547	24.013	14.833
2/21/2018 0:00	525600	123.933	19.622	279.17	41673.203	46443.762	30.447	31.572	23.996	14.829
2/21/2018 0:15	526500	123.96	19.624	279.231	41656.563	46433.27	30.439	31.575	24.001	14.831
2/21/2018 0:30	527400	123.989	19.619	279.297	41668.848	46441.027	30.445	31.58	24.003	14.83
2/21/2018 0:45	528300	124.002	19.625	279.326	41681	46449.531	30.451	31.586	23.992	14.834
2/21/2018 1:00	529200	124.026	19.632	279.38	41640.223	46396.863	30.413	31.55	24.015	14.832
2/21/2018 1:15	530100	124.021	19.621	279.437	41639.797	46422.145	30.475	31.608	24.016	14.823
2/21/2018 1:30	531000	124.062	19.631	279.462	41668.344	46429.313	30.437	31.572	23.999	14.821
2/21/2018 1:45	531900	124.081	19.626	279.505	41707.477	46479.371	30.473	31.606	23.976	14.818
2/21/2018 2:00	532800	124.078	19.629	279.527	41677.777	46408.367	30.421	31.558	24.017	14.825
2/21/2018 2:15	533700	124.087	19.631	279.517	41670.34	46431.535	30.438	31.573	23.998	14.818
2/21/2018 2:30	534600	124.086	19.625	279.515	41656.234	46419.703	30.429	31.565	24.007	14.818
2/21/2018 2:45	535500	124.079	19.62	279.5	41678.148	46451.09	30.452	31.587	24.001	14.821
2/21/2018 3:00	536400	124.079	19.624	279.5	41686.203	46456.445	30.456	31.589	24.01	14.815
2/21/2018 3:15	537300	124.073	19.619	279.486	41681.852	46456.938	30.456	31.591	23.991	14.807
2/21/2018 3:30	538200	124.046	19.621	279.423	41655.523	46429.895	30.436	31.572	24.004	14.82
2/21/2018 3:45	539100	124.037	19.605	279.405	41675.129	46443.508	30.447	31.582	23.995	14.811
2/21/2018 4:00	540000	124.022	19.621	279.371	41677.223	46449.195	30.451	31.585	23.994	14.805
2/21/2018 4:15	540900	124.022	19.622	279.325	41702.457	46476.98	30.471	31.604	23.979	14.808
2/21/2018 4:30	541800	123.973	19.627	279.261	41608.039	46466.879	30.464	31.597	23.982	14.811
2/21/2018 4:45	542700	123.952	19.625	279.215	41656.189	46427.383	30.435	31.571	24.003	14.812
2/21/2018 5:00	543600	123.918	19.631	279.138	41605.98	46443.811	30.447	31.581	23.992	14.82
2/21/2018 5:15	544500	123.878	19.631	279.047	41665.813	46426.492	30.434	31.57	24	14.823
2/21/2018 5:30	545400	123.858	19.631	279.002	41653.414	46413.281	30.425	31.561	24.008	14.82
2/21/2018 5:45	546300	123.821	19.631	278.871	41658.105	46426.43	30.434	31.57	24.001	14.821
2/21/2018 6:00	547200	123.804	19.616	278.879	41633.695	46406.188	30.419	31.556	24.019	14.822
2/21/2018 6:15	548100	123.78	19.615	278.826	41614.074	46385.266	30.394	31.542	24.03	14.82
2/21/2018 6:30	549000	123.758	19.626	278.778	41657.418	46422.381	30.431	31.561	24.005	14.816
2/21/2018 6:45	549900	123.726	19.626	278.706	41618.438	46378.77	30.399	31.538	24.028	14.823
2/21/2018 7:00	550800	123.693	19.629	278.63	41625.395	46383.262	30.403	31.541	24.024	14.828
2/21/2018 7:15	551700	123.673	19.631	278.591	41616	46371.242	30.394	31.542	24.029	14.83
2/21/2018 7:30	552600	123.658	19.629	278.552	41643.508	46403.965	30.418	31.555	24.013	14.831
2/21/2018 7:45	553500	123.645	19.614	278.523	41623.715	46396.352	30.412	31.555	24.025	14.827
2/21/2018 8:00	554400	123.61	19.621	278.51	41611.891	46386.707	30.404	31.542	24.027	14.823
2/21/2018 8:15	555300	123.62	19.617	278.467	41587.832	46360.672	30.385	31.525	24.045	14.828
2/21/2018 8:30	556200	123.6	19.621	278.421	41608.211	46427.836	30.435	31.571	24.005	14.832
2/21/2018 8:45	557100	123.606	19.624	278.404	41611.036	46439.013	30.441	31.549	24.011	14.827
2/21/2018 9:00	558000	123.596	19.62	278.413	41622.289	46388.832	30.406	31.544	24.026	14.832
2/21/2018 9:15	558900	123.604	19.618	278.43	41624.805	46394.055	30.41	31.548	24.024	14.829
2/21/2018 9:30	559800	123.621	19.621	278.431	41617.391	46405.145	30.418	31.556	24.017	14.825
2/21/2018 9:45	560700	123.602	19.619	278.425	41625.313	46393.145	30.41	31.547	24.024	14.833
2/21/2018 10:00	561600	123.623	19.631	278.471	41639.098	46357.551	30.384	31.523	24.036	14.822
2/21/2018 10:15	562500	123.629	19.62	278.487	41599.305	46361.748	30.388	31.527	24.031	14.83
2/21/2018 10:30	563400	123.639	19.624	278.509	41608.875	46369.754	30.393	31.533	24.033	14.83
2/21/2018 10:45	564300	123.663	19.612	278.563	41581.543	46351.93	30.379	31.519	24.049	14.825
2/21/2018 11:00	565200	123.669	19.623	278.536	41641.516	46424.109	30.422	31.568	24.012	14.826
2/21/2018 11:15	566100	123.688	19.614	278.515	41577.531	46344.961	30.374	31.515	24.051	14.83
2/21/2018 11:30	567000	123.713	19.608	278.676	41624.684	46424.051	30.432	31.568	24.014	14.822
2/21/2018 11:45	567900	123.717	19.607	278.707	41599.582	46355.882	30.389	31.529	24.045	14.827
2/21/2018 12:00	568800	123								

Report Date: 2/23/2018 14:43
Report User Name: AlvanHaltma
Report Computer Name: WKS34
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties
File Name MPWSP MW-3M Pre Test_2018-02-22_14-27-03-407.wxl
Create Date 2/22/2018 14:26

Device Properties
Device Aqua TROLL 100
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 PCH0008
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
8/1/2016 13:16 Log Download - Used Battery: 19% Used Memory: 67% User Name: Elinden Interval - Start Time: 8/3/2016 7:00:00 AM Stop Time: 8/13/2016 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
9/3/2016 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: AlNorris 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: AlNorris 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: AlNorris Interval - Start Time: 9/24/2016 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: 11/23/2016 10:00:00 PM Stop Time: 12/1/2016 14:50:00 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 AM
12/22/2016 18:59 Log Download - Used Battery: 35% Used Memory: 82% User Name: AlNorris 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: ElNemanded Interval - Start Time: 1/11/2017 10:00:00 PM Stop Time: 1/19/2017 11:10:00 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 AM
2/9/2017 10:53 Log Download - Used Battery: 38% Used Memory: 89% User Name: ElNemanded 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: ElNemanded 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: AlvanHaltma 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: AlvanHaltma Interval - Start Time: 3/22/2017 10:00:00 PM Stop Time: 3/30/2017 8:45:00 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: AlvanHaltma 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: AlvanHaltma 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: AlvanHaltma Interval - Start Time: 5/4/2017 10:00:00 PM Stop Time: 5/10/2017 3:30:00 PM
5/17/2017 8:17 Log Download - Used Battery: 42% Used Memory: 98% User Name: AlvanHaltma Interval - Start Time: 5/9/2017 10:00:00 PM Stop Time: 5/17/2017 9:30:00 AM
5/24/2017 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: 5/24/2017 1:30:00 PM
5/25/2017 7:38 Log Download - Used Battery: 43% Used Memory: 100% User Name: AlvanHaltma 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: AlvanHaltma 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: AlvanHaltma 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: AlvanHaltma 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: AlvanHaltma 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: AlvanHaltma 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: AlvanHaltma Interval - Start Time: 8/9/2017 10:00:00 PM Stop Time: 8/17/2017 8:30:00 AM
8/24/2017 7:41 Log Download - Used Battery: 47% Used Memory: 100% User Name: AlvanHaltma Interval - Start Time: 8/20/2017 10:00:00 PM Stop Time: 8/24/2017 8:30:00 AM
8/24/2017 7:37 Log Download - Used Battery: 48% Used Memory: 100% User Name: AlvanHaltma 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: AlvanHaltma Interval - Start Time: 9/6/2017 10:00:00 PM Stop Time: 9/14/2017 10:30:00 AM

Log Data:

Record Count 738

Sensors

1
1 395601 PCTD 100 PSG (70m/231ft)

Time Zone: Pacific Standard Time

Date and Time	Elapsed Time Seconds	Sensor: PCTD(G) 231ft SNR: 395601 Pressure (PSI)	Sensor: PCTD(G) 231ft SNR: 395601 Temperature (C)	Sensor: PCTD(G) 231ft SNR: 395601 Depth (ft)	Sensor: PCTD(G) 231ft SNR: 395601 Actual Conductivity (uS)	Sensor: PCTD(G) 231ft SNR: 395601 Specific Conductivity (uS)	Sensor: PCTD(G) 231ft SNR: 395601 Salinity (PSU)	Sensor: PCTD(G) 231ft SNR: 395601 Total Dissolved Solids (ppt)	Sensor: PCTD(G) 231ft SNR: 395601 Resistivity (ohm-cm)	Sensor: PCTD(G) 231ft SNR: 395601 Water Density (g/cm3)	
2/15/2018 0:00	7200	65.557	17.243	147.674	35299.781	41438.992	26.719	28.179	28.329	1.019	
2/15/2018 0:15	8100	65.572	17.243	147.708	35302.426	41442.344	26.721	28.181	28.327	1.019	
2/15/2018 0:30	9000	65.567	17.244	147.695	35298.063	41436.172	26.717	28.177	28.337	1.019	
2/15/2018 0:45	9900	65.569	17.243	147.702	35298.867	41437.922	26.718	28.178	28.33	1.019	
2/15/2018 1:00	10800	65.566	17.244	147.693	35312.262	41453.078	26.729	28.188	28.319	1.019	
2/15/2018 1:15	11700	65.567	17.244	147.67	35306.102	41446.172	26.724	28.183	28.324	1.019	
2/15/2018 1:30	12600	65.552	17.244	147.663	35290.207	41427.344	26.711	28.174	28.336	1.019	
2/15/2018 1:45	13500	65.559	17.244	147.679	35294.93	41433.133	26.715	28.175	28.333	1.019	
2/15/2018 2:00	14400	65.56	17.243	147.681	35298.535	41418.91	26.705	28.165	28.343	1.019	
2/15/2018 2:15	15300	65.559	17.243	147.677	35298.918	41436.125	26.717	28.17	28.337	1.019	
2/15/2018 2:30	16200	65.561	17.243	147.683	35320.832	41463.789	26.737	28.195	28.312	1.019	
2/15/2018 2:45	17100	65.557	17.243	147.674	35281.184	41417.082	26.703	28.164	28.344	1.019	
2/15/2018 3:00	18000	65.555	17.244	147.669	35295.707	41434.297	26.716	28.175	28.332	1.019	
2/15/2018 3:15	18900	65.552	17.244	147.663	35294.449	41432.324	26.714	28.174	28.333	1.019	
2/15/2018 3:30	19800	65.552	17.243	147.663	35292.906	41431.086	26.713	28.173	28.334	1.019	
2/15/2018 3:45	20700	65.546	17.244	147.648	35295.25	41433.355	26.715	28.175	28.332	1.019	
2/15/2018 4:00	21600	65.548	17.244	147.652	35272.133	41436.125	26.716	28.176	28.351	1.019	
2/15/2018 4:15	22500	65.548	17.244	147.653	35285.754	41421.879	26.707	28.167	28.34	1.019	
2/15/2018 4:30	23400	65.553	17.244	147.666	35290.426	41427.426	26.711	28.171	28.337	1.019	
2/15/2018 4:45	24300	65.532	17.244	147.617	35299.246	41390.926	26.685	28.146	28.361	1.019	
2/15/2018 5:00	25200	65.553	17.244	147.663	35306.156	41422.516	26.707	28.167	28.34	1.019	
2/15/2018 5:15	26100	65.552	17.244	147.663	35270.625	41404.602	26.694	28.155	28.352	1.019	
2/15/2018 5:30	27000	65.553	17.244	147.664	35238.066	41366.137	26.667	28.129	28.378	1.019	

2/15/2018 5:45	27900	65.556	17.244	147.672	35299.297	41438.262	26.718	28.178	28.329	1.019
2/15/2018 6:00	28800	65.558	17.243	147.676	35294.574	41386.008	26.681	28.142	28.306	1.019
2/15/2018 6:15	29700	65.545	17.244	147.647	35266.867	41395.871	26.691	28.157	28.355	1.019
2/15/2018 6:30	30600	65.561	17.244	147.683	35284.164	41419.93	26.705	28.166	28.341	1.019
2/15/2018 6:45	31500	65.553	17.244	147.664	35286.039	41422.785	26.707	28.167	28.34	1.019
2/15/2018 7:00	32400	65.567	17.244	147.696	35277.460	41412.637	26.7	28.167	28.347	1.019
2/15/2018 7:15	33300	65.575	17.244	147.713	35259.195	41390.781	26.685	28.146	28.361	1.019
2/15/2018 7:30	34200	65.574	17.244	147.711	35263.801	41396.516	26.689	28.15	28.358	1.019
2/15/2018 7:45	35100	65.578	17.244	147.72	35289.703	41426.844	26.71	28.17	28.337	1.019
2/15/2018 8:00	36000	65.582	17.244	147.729	35277.551	41412.328	26.7	28.147	28.319	1.019
2/15/2018 8:15	36900	65.589	17.244	147.746	35290.305	41427.301	26.711	28.171	28.336	1.019
2/15/2018 8:30	37800	65.591	17.244	147.751	35266.629	41399.262	26.691	28.151	28.355	1.019
2/15/2018 8:45	38700	65.595	17.243	147.759	35300.371	41439.848	26.72	28.178	28.329	1.019
2/15/2018 9:00	39600	65.598	17.244	147.766	35297.25	41435.539	26.717	28.176	28.331	1.019
2/15/2018 9:15	40500	65.6	17.244	147.771	35295.266	41433.527	26.715	28.175	28.332	1.019
2/15/2018 9:30	41400	65.604	17.244	147.778	35308.633	41448.406	26.726	28.185	28.322	1.019
2/15/2018 9:45	42300	65.604	17.244	147.78	35300.086	41438.941	26.719	28.178	28.326	1.019
2/15/2018 10:00	43200	65.596	17.244	147.763	35277.59	41412.531	26.7	28.147	28.347	1.019
2/15/2018 10:15	44100	65.611	17.244	147.796	35324.645	41467.695	26.74	28.198	28.309	1.019
2/15/2018 10:30	45000	65.712	17.244	147.799	35341.148	41486.988	26.753	28.216	28.296	1.019
2/15/2018 10:45	45900	65.611	17.244	147.794	35324.645	41467.293	26.739	28.198	28.309	1.019
2/15/2018 11:00	46800	65.609	17.244	147.79	35330.742	41474.609	26.744	28.203	28.304	1.019
2/15/2018 11:15	47700	65.598	17.243	147.766	35310.199	41451.223	26.728	28.187	28.32	1.019
2/15/2018 11:30	48600	65.607	17.244	147.787	35325.891	41468.758	26.74	28.199	28.308	1.019
2/15/2018 11:45	49500	65.606	17.244	147.784	35310.781	41451.34	26.728	28.187	28.32	1.019
2/15/2018 12:00	50400	65.606	17.244	147.783	35324.938	41467.957	26.74	28.198	28.309	1.019
2/15/2018 12:15	51300	65.591	17.244	147.775	35328.375	41472.074	26.743	28.201	28.306	1.019
2/15/2018 12:30	52200	65.581	17.244	147.778	35317.734	41459.586	26.734	28.193	28.314	1.019
2/15/2018 12:45	53100	65.595	17.245	147.759	35305.371	41444.508	26.723	28.182	28.324	1.019
2/15/2018 13:00	54000	65.591	17.244	147.751	35301.109	41442.266	26.722	28.181	28.326	1.019
2/15/2018 13:15	54900	65.582	147.713	147.724	35321.609	41464.539	26.737	28.196	28.306	1.019
2/15/2018 13:30	55800	65.578	17.244	147.721	35325.574	41468.543	26.74	28.199	28.308	1.019
2/15/2018 13:45	56700	65.562	17.244	147.685	35298.781	41437.004	26.718	28.177	28.33	1.019
2/15/2018 14:00	57600	65.563	17.244	147.687	35325.258	41468.582	26.74	28.199	28.308	1.019
2/15/2018 14:15	58500	65.561	17.244	147.682	35316.395	41460.523	26.738	28.194	28.31	1.019
2/15/2018 14:30	59400	65.553	17.244	147.666	35418.156	41577.469	26.818	28.273	28.234	1.019
2/15/2018 14:45	60300	65.548	17.244	147.653	35342.422	41488.234	26.754	28.212	28.295	1.019
2/15/2018 15:00	61200	65.529	17.241	147.61	35357.828	41506.652	26.727	28.221	28.282	1.019
2/15/2018 15:15	62100	65.534	17.244	147.622	35343.352	41489.73	26.755	28.213	28.294	1.019
2/15/2018 15:30	63000	65.529	17.244	147.61	35347.512	41494.613	26.759	28.216	28.291	1.019
2/15/2018 15:45	63900	65.52	17.244	147.59	35337.633	41482.809	26.75	28.208	28.298	1.019
2/15/2018 16:00	64800	65.518	17.244	147.586	35347.286	41494.027	26.754	28.219	28.29	1.019
2/15/2018 16:15	65700	65.524	17.244	147.6	35349.855	41497.457	26.761	28.218	28.289	1.019
2/15/2018 16:30	66600	65.541	17.244	147.638	35350.98	41498.449	26.761	28.219	28.288	1.019
2/15/2018 16:45	67500	65.563	17.244	147.687	35349.625	41496.637	26.76	28.219	28.287	1.019
2/15/2018 17:00	68400	65.582	17.244	147.73	35337.805	41483.145	26.751	28.209	28.288	1.019
2/15/2018 17:15	69300	65.594	17.245	147.757	35369.656	41519.719	26.777	28.233	28.273	1.019
2/15/2018 17:30	70200	65.61	17.245	147.793	35353.266	41500.395	26.763	28.22	28.286	1.019
2/15/2018 17:45	71100	65.62	17.245	147.815	35385.164	41538.004	26.786	28.246	28.26	1.019
2/15/2018 18:00	72000	65.627	17.245	147.831	35365.121	41514.563	26.773	28.23	28.276	1.019
2/15/2018 18:15	72900	65.635	17.245	147.849	35370.09	41520.074	26.777	28.234	28.272	1.019
2/15/2018 18:30	73800	65.642	17.245	147.865	35384.457	41501.633	26.784	28.221	28.285	1.019
2/15/2018 18:45	74700	65.647	17.245	147.877	35364.914	41514.152	26.773	28.23	28.277	1.019
2/15/2018 19:00	75600	65.642	17.245	147.866	35368.117	41517.758	26.775	28.232	28.274	1.019
2/15/2018 19:15	76500	65.647	17.245	147.876	35371.973	41522.516	26.779	28.235	28.271	1.019
2/15/2018 19:30	77400	65.668	17.245	147.923	35384.004	41536.641	26.784	28.247	28.261	1.019
2/15/2018 19:45	78300	65.67	17.245	147.928	35392.363	41546.453	26.796	28.252	28.255	1.019
2/15/2018 20:00	79200	65.679	17.245	147.949	35376.508	41527.516	26.782	28.239	28.267	1.019
2/15/2018 20:15	80100	65.685	17.245	147.963	35378.73	41530.219	26.784	28.241	28.266	1.019
2/15/2018 20:30	81000	65.693	17.245	147.98	35379.414	41529.754	26.788	28.243	28.265	1.019
2/15/2018 20:45	81900	65.701	17.245	147.998	35404.336	41559.934	26.805	28.261	28.245	1.019
2/15/2018 21:00	82800	65.704	17.245	148.005	35409.699	41559.527	26.805	28.26	28.246	1.019
2/15/2018 21:15	83700	65.712	17.245	148.023	35417.457	41571.917	26.817	28.272	28.245	1.019
2/15/2018 21:30	84600	65.718	17.245	148.036	35399.422	41554.578	26.802	28.257	28.249	1.019
2/15/2018 21:45	85500	65.728	17.245	148.058	35416.137	41574.035	26.816	28.27	28.236	1.019
2/15/2018 22:00	86400	65.718	17.246	148.036	35386.551	41538.808	26.79	28.246	28.259	1.019
2/15/2018 22:15	87300	65.738	17.245	148.082	35401.449	41558.813	26.805	28.258	28.25	1.019
2/15/2018 22:30	88200	65.742	17.245	148.09	35398.961	41553.785	26.801	28.257	28.249	1.019
2/15/2018 22:45	89100	65.748	17.245	148.103	35435.734	41596.789	26.832	28.286	28.22	1.019
2/15/2018 23:00	90000	65.75	17.245	148.112	35399.418	41554.16	26.821	28.249	28.249	1.019
2/15/2018 23:15	90900	65.76	17.245	148.132	35424.41	41584.426	26.823	28.277	28.229	1.019
2/15/2018 23:30	91800	65.761	17.245	148.133	35429.82	41590.012	26.827	28.281	28.225	1.019
2/15/2018 23:45	92700	65.766	17.246	148.144	35421.383	41579.785	26.82	28.274	28.232	1.019
2/16/2018 0:00	93600	65.769	17.245	148.152	35418.73	41576.918	26.818	28.27	28.234	1.019
2/16/2018 0:15	94500	65.774	17.246	148.163	35425.273	41584.352	26.823	28.277	28.228	1.019
2/16/2018 0:30	95400	65.776	17.246	148.166	35410.504	41566.852	26.81	28.265	28.24	1.019
2/16/2018 0:45	96300	65.779	17.245	148.166	35423.238	41582.285	26.821	28.271	28.239	1.019
2/16/2018 1:00	97200	65.776	17.245	148.168	35423.133	41579.758	26.82	28.274	28.232	1.019
2/16/2018 1:15	98100	65.779	17.246	148.175	35427.637	41587.035	26.825	28.279	28.227	1.019
2/16/2018 1:30	99000	65.781	17.245	148.179	35428.676	41588.668	26.826	28.28	28.226	1.019
2/16/2018 1:45	99900	65.78	17.245	148.176	35402.219	41551.082	26.802	28.254	28.249	1.019
2/16/2018 2:00	100800	65.788	17.246	148.176	35425.773	41584.941	26.823	28.279	28.228	1.019
2/16/2018 2:15	101700	65.779	17.245	148.174	35423.918	41583.008	26.822	28.276	28.234	1.019
2/16/2018 2:30	102600	65.777	17.245	148.169	35417.934	41575.59	26.817	28.272	28.23	1.019
2/16/2018 2:45	103500	65.779	17.246	148.174	35396.285	41550	26.815	28.268	28.25	1.019
2/16/2018 3:00	104400	65.777	17.246	148.17	35421.754	41580.223	26.82	28.275	28.231	1.019
2/16/2018 3:15	105300	65.78	17.246	148.177	35431.84	41594.41	26.83	28.284	28.222	1.019
2/16/2018 3:30	106200	65.776	17.245	148.166	35446.535	41611.738	26.843	28.292	28.21	1.019
2/16/2018 3:45	107100	65.78	17.245	148.177	35459.254	41624.398	26.852	28.305	28.201	1.019

2/16/2018 21:15	170100	65.558	17.245	147.676	35409.141	41566.07	26.81	28.265	28.241	1.019
2/16/2018 21:30	171000	65.564	17.245	147.688	35421.957	41580.703	26.82	28.275	28.231	1.019
2/16/2018 22:45	172900	65.568	17.245	147.697	35422.243	41581.555	26.821	28.275	28.231	1.019
2/16/2018 22:00	172800	65.571	17.245	147.705	35411.277	41568.082	26.811	28.266	28.24	1.019
2/16/2018 22:15	173700	65.573	17.245	147.71	35405.578	41561.734	26.807	28.262	28.244	1.019
2/16/2018 22:30	174600	65.565	17.245	147.692	35417.703	41576.199	26.817	28.272	28.236	1.019
2/16/2018 22:45	175500	65.578	17.245	147.726	35430.934	41591.652	26.828	28.282	28.224	1.019
2/16/2018 23:00	176400	65.589	17.245	147.746	35422.48	41581.23	26.821	28.275	28.231	1.019
2/16/2018 23:15	177300	65.59	17.245	147.747	35428.293	41588.551	26.826	28.28	28.226	1.019
2/16/2018 23:30	178200	65.591	17.245	147.751	35431.039	41591.777	26.828	28.284	28.222	1.019
2/16/2018 23:45	179100	65.593	17.245	147.754	35411.402	41570.918	26.813	28.268	28.238	1.019
2/17/2018 0:00	180000	65.595	17.245	147.758	35429.482	41589.625	26.827	28.281	28.225	1.019
2/17/2018 0:15	180900	65.598	17.245	147.767	35430.895	41591.359	26.828	28.284	28.224	1.019
2/17/2018 0:30	181800	65.598	17.246	147.767	35442.805	41604.934	26.838	28.291	28.214	1.019
2/17/2018 0:45	182700	65.6	17.245	147.769	35432.957	41593.781	26.83	28.284	28.222	1.019
2/17/2018 1:00	183600	65.585	17.245	147.738	35421.676	41580.629	26.82	28.275	28.231	1.019
2/17/2018 1:15	184500	65.598	17.246	147.757	35417.352	41575.055	26.816	28.271	28.232	1.019
2/17/2018 1:30	185400	65.587	17.244	147.741	35406.207	41562.945	26.808	28.263	28.244	1.019
2/17/2018 1:45	186300	65.598	17.245	147.766	35422.152	41581.594	26.821	28.275	28.231	1.019
2/17/2018 2:00	187200	65.596	17.245	147.756	35441.128	41603.525	26.837	28.279	28.216	1.019
2/17/2018 2:15	188100	65.594	17.245	147.756	35422.664	41581.445	26.821	28.275	28.231	1.019
2/17/2018 2:30	189000	65.591	17.245	147.75	35413.242	41570.637	26.813	28.268	28.238	1.019
2/17/2018 2:45	189900	65.589	17.245	147.745	35425.469	41585.152	26.824	28.278	28.228	1.019
2/17/2018 3:00	190800	65.586	17.245	147.738	35427.936	41588.035	26.826	28.28	28.226	1.019
2/17/2018 3:15	191700	65.585	17.246	147.736	35440.527	41602.258	26.836	28.289	28.216	1.019
2/17/2018 3:30	192600	65.581	17.245	147.728	35412.137	41569.097	26.812	28.267	28.239	1.019
2/17/2018 3:45	193500	65.578	17.245	147.72	35421.863	41581.525	26.822	28.277	28.231	1.019
2/17/2018 4:00	194400	65.576	17.245	147.716	35421.098	41580.184	26.82	28.275	28.232	1.019
2/17/2018 4:15	195300	65.576	17.245	147.716	35420.395	41579.125	26.819	28.274	28.232	1.019
2/17/2018 4:30	196200	65.569	17.245	147.702	35414.125	41571.672	26.814	28.269	28.237	1.019
2/17/2018 4:45	197100	65.57	17.245	147.703	35439.531	41601.246	26.835	28.282	28.217	1.019
2/17/2018 5:00	198000	65.564	17.245	147.666	35440.91	41603.613	26.837	28.29	28.216	1.019
2/17/2018 5:15	198900	65.565	17.246	147.691	35451.266	41614.617	26.845	28.298	28.208	1.019
2/17/2018 5:30	199800	65.566	17.245	147.693	35438.504	41600.539	26.835	28.288	28.218	1.019
2/17/2018 5:45	200700	65.564	17.245	147.688	35447.207	41598.863	26.833	28.29	28.219	1.019
2/17/2018 6:00	201600	65.565	17.244	147.691	35417.457	41576.152	26.817	28.267	28.235	1.019
2/17/2018 6:15	202500	65.564	17.245	147.688	35410.188	41567.215	26.811	28.266	28.24	1.019
2/17/2018 6:30	203400	65.562	17.245	147.685	35447.184	41610.316	26.842	28.292	28.211	1.019
2/17/2018 6:45	204300	65.563	17.245	147.687	35441.996	41604.227	26.837	28.291	28.215	1.019
2/17/2018 7:00	205200	65.562	17.245	147.685	35434.074	41594.93	26.831	28.285	28.221	1.019
2/17/2018 7:15	206100	65.567	17.245	147.695	35456.527	41621.543	26.85	28.303	28.204	1.019
2/17/2018 7:30	207000	65.566	17.245	147.694	35447.063	41598.513	26.839	28.297	28.219	1.019
2/17/2018 7:45	207900	65.573	17.245	147.709	35463.023	41628.91	26.855	28.308	28.198	1.019
2/17/2018 8:00	208800	65.559	17.245	147.677	35427.41	41587.105	26.825	28.279	28.227	1.019
2/17/2018 8:15	209700	65.579	17.246	147.723	35415.113	41572.18	26.814	28.269	28.237	1.019
2/17/2018 8:30	210600	65.58	17.245	147.725	35425.16	41584.379	26.823	28.277	28.229	1.019
2/17/2018 8:45	211500	65.568	17.245	147.699	35413.379	41570.547	26.813	28.268	28.238	1.019
2/17/2018 9:00	212400	65.587	17.245	147.74	35418.184	41576.188	26.817	28.272	28.234	1.019
2/17/2018 9:15	213300	65.589	17.246	147.746	35411.527	41568.055	26.811	28.266	28.239	1.019
2/17/2018 9:30	214200	65.595	17.245	147.759	35420.332	41578.871	26.819	28.274	28.232	1.019
2/17/2018 9:45	215100	65.596	17.245	147.761	35426.461	41585.992	26.824	28.278	28.227	1.019
2/17/2018 10:00	216000	65.6	17.245	147.771	35399.297	41546.891	26.795	28.252	28.254	1.019
2/17/2018 10:15	216900	65.607	17.245	147.786	35428.945	41588.984	26.826	28.281	28.226	1.019
2/17/2018 10:30	217800	65.608	17.245	147.788	35402.832	41558.328	26.804	28.26	28.246	1.019
2/17/2018 10:45	218700	65.611	17.246	147.796	35397.402	41551.473	26.799	28.255	28.251	1.019
2/17/2018 11:00	219600	65.611	17.246	147.794	35396.586	41550.68	26.799	28.255	28.251	1.019
2/17/2018 11:15	220500	65.614	17.245	147.801	35384.914	41537.297	26.789	28.245	28.261	1.019
2/17/2018 11:30	221400	65.616	17.246	147.808	35377.141	41527.758	26.783	28.239	28.267	1.019
2/17/2018 11:45	222300	65.598	17.246	147.767	35388.711	41541.34	26.792	28.248	28.258	1.019
2/17/2018 12:00	223200	65.614	17.246	147.802	35377.137	41521.978	26.784	28.237	28.271	1.019
2/17/2018 12:15	224100	65.614	17.245	147.802	35377.574	41528.438	26.783	28.239	28.266	1.019
2/17/2018 12:30	225000	65.612	17.245	147.798	35375.672	41526.207	26.781	28.238	28.268	1.019
2/17/2018 12:45	225900	65.612	17.245	147.798	35397.465	41531.789	26.78	28.237	28.269	1.019
2/17/2018 13:00	226800	65.612	17.245	147.798	35385.148	41537.75	26.79	28.246	28.26	1.019
2/17/2018 13:15	227700	65.607	17.246	147.787	35388.391	41540.641	26.792	28.248	28.258	1.019
2/17/2018 13:30	228600	65.602	17.246	147.774	35388.168	41540.703	26.792	28.248	28.258	1.019
2/17/2018 13:45	229500	65.595	17.245	147.768	35369.996	41531.547	26.785	28.239	28.264	1.019
2/17/2018 14:00	230400	65.598	17.246	147.758	35383.063	41534.805	26.788	28.244	28.262	1.019
2/17/2018 14:15	231300	65.59	17.246	147.748	35390.613	41543.25	26.794	28.249	28.256	1.019
2/17/2018 14:30	232200	65.579	17.246	147.723	35369.137	41517.457	26.776	28.237	28.27	1.019
2/17/2018 14:45	233100	65.578	17.246	147.721	35371.043	41520.695	26.777	28.234	28.272	1.019
2/17/2018 15:00	234000	65.571	17.246	147.705	35387.965	41540.141	26.791	28.247	28.258	1.019
2/17/2018 15:15	234900	65.561	17.246	147.683	35370.84	41520.363	26.777	28.234	28.272	1.019
2/17/2018 15:30	235800	65.543	17.245	147.642	35386.758	41540.418	26.762	28.24	28.264	1.019
2/17/2018 15:45	236700	65.541	17.245	147.637	35402.457	41557.648	26.804	28.259	28.247	1.019
2/17/2018 16:00	237600	65.549	17.245	147.656	35333.602	41477.133	26.746	28.205	28.302	1.019
2/17/2018 16:15	238500	65.54	17.245	147.634	35404.43	41550.043	26.761	28.205	28.295	1.019
2/17/2018 16:30	239400	65.536	17.245	147.627	35395.965	41550.191	26.799	28.254	28.252	1.019
2/17/2018 16:45	240300	65.528	17.245	147.608	35398.918	41553.66	26.801	28.256	28.249	1.019
2/17/2018 17:00	241200	65.523	17.246	147.598	35366.152	41514.953	26.773	28.23	28.276	1.019
2/17/2018 17:15	242100	65.514	17.245	147.577	35374.016	41529.24	26.78	28.239	28.269	1.019
2/17/2018 17:30	243000	65.513	17.246	147.574	35399.129	41533.664	26.801	28.256	28.249	1.019
2/17/2018 17:45	243900	65.509	17.245	147.566	35374.824	41525.289	26.781	28.237	28.269	1.019
2/17/2018 18:00	244800	65.491	17.245	147.525	35385.813	41538.438	26.79	28.246	28.26	1.019
2/17/2018 18:15	245700	65.505	17.246	147.557	35391.102	41544.078	26.794	28.25	28.257	1.019
2/17/2018 18:30	246600	65.499	17.246	147.543	35376.586	41527.039	26.782	28.238	28.267	1.019
2/17/2018 18:45	247500	65.498	17.246	147.541	35360.535	41562.266	26.787	28.262	28.243	1.019
2/17/2018 19:00	248400	65.499	17.246	147.542	35386.184	41538.469	26.79	28.249	28.26	1.019
2/17/2018 19:15	249300	65.501</								

2/18/2018 12:45	312300	65.538	17.245	147.63	35396.734	41551.088	26.799	28.255	28.251	1.019
2/18/2018 13:00	312320	65.552	17.246	147.662	35398.383	41551.261	26.801	28.256	28.252	1.019
2/18/2018 13:15	314100	65.551	17.246	147.609	35394.637	41548.145	26.797	28.253	28.253	1.019
2/18/2018 13:30	315000	65.551	17.246	147.66	35358.352	41505.223	26.766	28.224	28.282	1.019
2/18/2018 13:45	315900	65.549	17.246	147.656	35398.707	41552.922	26.801	28.256	28.25	1.019
2/18/2018 14:00	316800	65.546	17.245	147.65	35392.031	41531.75	26.797	28.247	28.261	1.019
2/18/2018 14:15	317700	65.541	17.246	147.637	35392.961	41546.422	26.796	28.252	28.254	1.019
2/18/2018 14:30	318600	65.538	17.245	147.632	35390.586	41543.715	26.794	28.25	28.256	1.019
2/18/2018 14:45	319500	65.536	17.246	147.627	35387.879	41539.883	26.791	28.247	28.258	1.019
2/18/2018 15:00	320400	65.527	17.246	147.606	35390.008	41553.273	26.801	28.246	28.249	1.019
2/18/2018 15:15	321300	65.526	17.246	147.603	35378.41	41529.18	26.784	28.24	28.266	1.019
2/18/2018 15:30	322200	65.52	17.246	147.591	35392.18	41545.344	26.795	28.251	28.255	1.019
2/18/2018 15:45	323100	65.515	17.246	147.578	35390.059	41542.852	26.793	28.247	28.257	1.019
2/18/2018 16:00	324000	65.506	17.246	147.56	35405.109	41560.109	26.806	28.261	28.245	1.019
2/18/2018 16:15	324900	65.506	17.246	147.559	35389.172	41541.477	26.792	28.248	28.257	1.019
2/18/2018 16:30	325800	65.5	17.246	147.546	35382.418	41533.801	26.787	28.243	28.263	1.019
2/18/2018 16:45	326700	65.495	17.246	147.533	35401.41	41555.922	26.803	28.258	28.247	1.019
2/18/2018 17:00	327600	65.493	17.246	147.53	35374.803	41524.445	26.78	28.237	28.269	1.019
2/18/2018 17:15	328500	65.489	17.245	147.52	35399.145	41553.762	26.801	28.257	28.249	1.019
2/18/2018 17:30	329400	65.482	17.246	147.504	35394.258	41547.621	26.797	28.252	28.253	1.019
2/18/2018 17:45	330300	65.474	17.246	147.486	35391.48	41544.438	26.794	28.25	28.255	1.019
2/18/2018 18:00	331200	65.478	17.246	147.496	35387.98	41540	26.791	28.247	28.258	1.019
2/18/2018 18:15	332100	65.471	17.246	147.479	35404.844	41559.035	26.805	28.26	28.246	1.019
2/18/2018 18:30	333000	65.468	17.246	147.471	35417.449	41574.922	26.816	28.271	28.235	1.019
2/18/2018 18:45	333900	65.461	17.246	147.458	35382.766	41534.129	26.787	28.243	28.262	1.019
2/18/2018 19:00	334800	65.451	17.246	147.435	35416.672	41573.93	26.816	28.27	28.253	1.019
2/18/2018 19:15	335700	65.459	17.246	147.423	35404.168	41559.484	26.805	28.26	28.25	1.019
2/18/2018 19:30	336600	65.458	17.246	147.452	35398.383	41552.625	26.8	28.256	28.25	1.019
2/18/2018 19:45	337500	65.445	17.246	147.42	35395.047	41548.707	26.797	28.253	28.253	1.019
2/18/2018 20:00	338400	65.459	17.246	147.453	35420.563	41578.246	26.819	28.273	28.232	1.019
2/18/2018 20:15	339300	65.446	17.246	147.454	35392.68	41545.348	26.795	28.25	28.254	1.019
2/18/2018 20:30	340200	65.461	17.246	147.458	35390.492	41543.277	26.794	28.249	28.256	1.019
2/18/2018 20:45	341100	65.464	17.246	147.463	35405.91	41561.125	26.806	28.262	28.244	1.019
2/18/2018 21:00	342000	65.464	17.246	147.463	35402.789	41557.797	26.804	28.259	28.246	1.019
2/18/2018 21:15	342900	65.47	17.246	147.477	35400.287	41554.941	26.802	28.26	28.249	1.019
2/18/2018 21:30	343800	65.47	17.246	147.477	35415.801	41572.734	26.815	28.269	28.236	1.019
2/18/2018 21:45	344700	65.474	17.246	147.487	35399.172	41553.387	26.801	28.256	28.249	1.019
2/18/2018 22:00	345600	65.479	17.246	147.498	35399.395	41553.727	26.801	28.25	28.249	1.019
2/18/2018 22:15	346500	65.487	17.246	147.515	35413.043	41569.75	26.813	28.267	28.238	1.019
2/18/2018 22:30	347400	65.49	17.246	147.523	35437.254	41598.254	26.833	28.287	28.219	1.019
2/18/2018 22:45	348300	65.493	17.246	147.53	35401.496	41556.277	26.803	28.258	28.247	1.019
2/18/2018 23:00	349200	65.498	17.246	147.541	35416.395	41571.27	26.815	28.29	28.245	1.019
2/18/2018 23:15	350100	65.501	17.246	147.548	35405.688	41560.941	26.806	28.261	28.244	1.019
2/18/2018 23:30	351000	65.493	17.246	147.528	35410.203	41566.5	26.81	28.265	28.24	1.019
2/18/2018 23:45	351900	65.505	17.246	147.557	35421.391	41579.137	26.819	28.274	28.232	1.019
2/19/2018 0:00	352800	65.514	17.246	147.564	35415.23	41572.238	26.814	28.269	28.236	1.019
2/19/2018 0:15	353700	65.513	17.246	147.575	35398.344	41552.414	26.8	28.256	28.25	1.019
2/19/2018 0:30	354600	65.517	17.246	147.583	35405.852	41561.059	26.806	28.262	28.244	1.019
2/19/2018 0:45	355500	65.519	17.246	147.588	35417.074	41574.402	26.817	28.27	28.235	1.019
2/19/2018 1:00	356400	65.526	17.246	147.604	35415.672	41572.664	26.815	28.269	28.236	1.019
2/19/2018 1:15	357300	65.524	17.246	147.599	35431.199	41591.063	26.828	28.282	28.224	1.019
2/19/2018 1:30	358200	65.526	17.246	147.604	35417.547	41574.863	26.819	28.271	28.235	1.019
2/19/2018 1:45	359100	65.513	17.246	147.575	35417.238	41574.422	26.816	28.271	28.235	1.019
2/19/2018 2:00	360000	65.524	17.246	147.6	35419.289	41576.832	26.818	28.272	28.233	1.019
2/19/2018 2:15	360900	65.526	17.246	147.604	35399.766	41554.086	26.801	28.257	28.249	1.019
2/19/2018 2:30	361800	65.513	17.246	147.613	35420.906	41579.063	26.827	28.28	28.23	1.019
2/19/2018 2:45	362700	65.507	17.246	147.562	35433.047	41593.059	26.829	28.283	28.222	1.019
2/19/2018 3:00	363600	65.51	17.246	147.567	35434.285	41594.355	26.83	28.284	28.221	1.019
2/19/2018 3:15	364500	65.521	17.246	147.594	35426.07	41584.871	26.823	28.278	28.228	1.019
2/19/2018 3:30	365400	65.519	17.246	147.588	35422.258	41580.719	26.82	28.27	28.23	1.019
2/19/2018 3:45	366300	65.517	17.245	147.584	35413.07	41570.105	26.813	28.268	28.238	1.019
2/19/2018 4:00	367200	65.514	17.246	147.577	35419.168	41576.859	26.818	28.272	28.233	1.019
2/19/2018 4:15	368100	65.506	17.246	147.569	35418.289	41575.492	26.817	28.27	28.234	1.019
2/19/2018 4:30	369000	65.508	17.246	147.562	35422.785	41581.105	26.821	28.275	28.23	1.019
2/19/2018 4:45	369900	65.506	17.246	147.56	35436.867	41597.637	26.832	28.286	28.219	1.019
2/19/2018 5:00	370800	65.501	17.246	147.547	35431.969	41591.793	26.828	28.282	28.223	1.019
2/19/2018 5:15	371700	65.497	17.246	147.537	35405.484	41588.613	26.825	28.28	28.24	1.019
2/19/2018 5:30	372600	65.5	17.246	147.546	35406.332	41561.457	26.807	28.262	28.244	1.019
2/19/2018 5:45	373500	65.478	17.246	147.495	35421.832	41579.988	26.82	28.274	28.231	1.019
2/19/2018 6:00	374400	65.493	17.246	147.529	35416.66	41579.137	26.818	28.273	28.232	1.019
2/19/2018 6:15	375300	65.492	17.246	147.526	35438.418	41599.457	26.834	28.288	28.218	1.019
2/19/2018 6:30	376200	65.485	17.246	147.51	35421.449	41579.367	26.819	28.274	28.231	1.019
2/19/2018 6:45	377100	65.469	17.246	147.475	35417.578	41575.074	26.816	28.271	28.235	1.019
2/19/2018 7:00	378000	65.475	17.246	147.505	35416.762	41576.941	26.817	28.276	28.23	1.019
2/19/2018 7:15	378900	65.484	17.246	147.508	35422.543	41580.82	26.82	28.275	28.231	1.019
2/19/2018 7:30	379800	65.483	17.246	147.506	35409.949	41566.203	26.81	28.265	28.241	1.019
2/19/2018 7:45	380700	65.48	17.246	147.501	35408.957	41564.875	26.809	28.264	28.24	1.019
2/19/2018 8:00	381600	65.472	17.246	147.481	35412.004	41568.159	26.811	28.266	28.239	1.019
2/19/2018 8:15	382500	65.479	17.246	147.488	35440.449	41601.668	26.835	28.289	28.216	1.019
2/19/2018 8:30	383400	65.482	17.245	147.505	35416.082	41573.641	26.815	28.27	28.236	1.019
2/19/2018 8:45	384300	65.472	17.246	147.482	35424.336	41583.254	26.822	28.277	28.229	1.019
2/19/2018 9:00	385200	65.484	17.246	147.508	35423.152	41581.367	26.821	28.275	28.23	1.019
2/19/2018 9:15	386100	65.47	17.246	147.478	35423.48	41582.086	26.821	28.276	28.23	1.019
2/19/2018 9:30	387000	65.474	17.246	147.487	35426.211	41585.129	26.824	28.278	28.228	1.019
2/19/2018 9:45	387900	65.493	17.246	147.513	35414.309	41571.32	26.814	28.267	28.23	1.019
2/19/2018 10:00	388800	65.495	17.246	147.533	35417.734	41574.926	26.816	28.271	28.234	1.019
2/19/2018 10:15	389700	65.498	17.246	147.541	35406.301	41560.582	26.806	28.261	28.244	1.019
2/19/2018 10:30	390600	65.499	17.246	147.542	35400.227	41554.375	26.802	28.25	28.248	1.019
2/19/2018 10:45	391500	65.504	17.246	147.553	35414.145	41570.871	26.813	28.268	28.237	1.019
2/19/2018 11:00	392									

2/20/2018 4:15	454500	65.499	17.246	147.543	35453.75	41617.035	26.846	28.3	28.206	1.019
2/20/2018 4:30	454400	65.475	17.246	147.545	35456.508	41644.508	26.866	28.289	28.217	1.019
2/20/2018 4:45	454300	65.475	17.246	147.488	35468.814	41635.004	26.859	28.312	28.194	1.019
2/20/2018 5:00	457200	65.487	17.246	147.515	35463.773	41629.129	26.855	28.308	28.198	1.019
2/20/2018 5:15	458100	65.484	17.246	147.508	35466.977	41627.02	26.853	28.306	28.199	1.019
2/20/2018 5:30	459000	65.478	17.246	147.496	35462.836	41626.457	26.855	28.308	28.198	1.019
2/20/2018 5:45	459900	65.479	17.246	147.499	35471.254	41638.234	26.861	28.314	28.192	1.019
2/20/2018 6:00	460800	65.474	17.246	147.487	35490.242	41659.957	26.877	28.329	28.177	1.019
2/20/2018 6:15	461700	65.47	17.246	147.479	35474.324	41641.355	26.864	28.316	28.189	1.019
2/20/2018 6:30	462600	65.456	17.246	147.447	35447.902	41610.254	26.842	28.295	28.179	1.019
2/20/2018 6:45	463500	65.461	17.246	147.458	35451.555	41614.785	26.845	28.298	28.208	1.019
2/20/2018 7:00	464400	65.459	17.246	147.463	35456.918	41617.23	26.847	28.3	28.206	1.019
2/20/2018 7:15	465300	65.456	17.246	147.447	35457.027	41647.031	26.847	28.317	28.186	1.019
2/20/2018 7:30	466200	65.456	17.246	147.446	35484.926	41653.715	26.873	28.325	28.181	1.019
2/20/2018 7:45	467100	65.455	17.246	147.444	35487.766	41657.461	26.875	28.327	28.179	1.019
2/20/2018 8:00	468000	65.452	17.246	147.438	35451.141	41613.973	26.844	28.298	28.208	1.019
2/20/2018 8:15	468900	65.447	17.246	147.437	35470.938	41637.525	26.851	28.314	28.192	1.019
2/20/2018 8:30	469800	65.451	17.246	147.435	35455.586	41619.773	26.848	28.301	28.204	1.019
2/20/2018 8:45	470700	65.448	17.246	147.428	35468.055	41634.41	26.859	28.311	28.194	1.019
2/20/2018 9:00	471600	65.446	17.246	147.424	35446.195	41604.695	26.849	28.291	28.214	1.019
2/20/2018 9:15	472500	65.451	17.246	147.435	35438.406	41599.441	26.834	28.288	28.218	1.019
2/20/2018 9:30	473400	65.454	17.246	147.441	35452.66	41616.082	26.846	28.299	28.207	1.019
2/20/2018 9:45	474300	65.454	17.246	147.441	35459.688	41624.332	26.852	28.305	28.201	1.019
2/20/2018 10:00	475200	65.448	17.246	147.438	35436.09	41596.391	26.832	28.286	28.221	1.019
2/20/2018 10:15	476100	65.454	17.246	147.441	35428.406	41587.785	26.825	28.28	28.226	1.019
2/20/2018 10:30	477000	65.453	17.246	147.439	35437.207	41597.863	26.833	28.287	28.219	1.019
2/20/2018 10:45	477900	65.453	17.246	147.451	35439.871	41601.242	26.839	28.29	28.227	1.019
2/20/2018 11:00	478800	65.46	17.246	147.454	35455.066	41619.164	26.848	28.301	28.205	1.019
2/20/2018 11:15	479700	65.446	17.246	147.423	35418.008	41575.328	26.817	28.271	28.234	1.019
2/20/2018 11:30	480600	65.456	17.246	147.447	35427.461	41586.594	26.825	28.279	28.227	1.019
2/20/2018 11:45	481500	65.464	17.246	147.464	35419.969	41577.223	26.827	28.273	28.23	1.019
2/20/2018 12:00	482400	65.469	17.246	147.476	35416.117	41573.188	26.815	28.27	28.236	1.019
2/20/2018 12:15	483300	65.458	17.246	147.45	35435.691	41596.086	26.831	28.285	28.22	1.019
2/20/2018 12:30	484200	65.473	17.246	147.484	35437.844	41598.781	26.833	28.287	28.218	1.019
2/20/2018 12:45	485100	65.474	17.246	147.486	35442.262	41603.473	26.837	28.292	28.219	1.019
2/20/2018 13:00	486000	65.476	17.246	147.491	35424.086	41582.383	26.822	28.276	28.229	1.019
2/20/2018 13:15	486900	65.481	17.246	147.502	35436.754	41597.254	26.832	28.286	28.219	1.019
2/20/2018 13:30	487800	65.476	17.246	147.491	35431.086	41590.602	26.827	28.284	28.224	1.019
2/20/2018 13:45	488700	65.475	17.246	147.489	35431.145	41590.422	26.827	28.281	28.224	1.019
2/20/2018 14:00	489600	65.475	17.246	147.489	35421.063	41578.508	26.819	28.273	28.232	1.019
2/20/2018 14:15	490500	65.478	17.246	147.496	35435.613	41595.914	26.831	28.285	28.22	1.019
2/20/2018 14:30	491400	65.448	17.246	147.5	35419.512	41576.93	26.815	28.271	28.231	1.019
2/20/2018 14:45	492300	65.461	17.246	147.458	35442.93	41604.66	26.838	28.291	28.214	1.019
2/20/2018 15:00	493200	65.476	17.246	147.491	35431.129	41592.914	26.829	28.283	28.222	1.019
2/20/2018 15:15	494100	65.472	17.246	147.482	35449.816	41612.504	26.843	28.293	28.209	1.019
2/20/2018 15:30	495000	65.473	17.246	147.485	35431.313	41590.047	26.827	28.281	28.224	1.019
2/20/2018 15:45	495900	65.469	17.246	147.476	35427.164	41586.41	26.824	28.279	28.227	1.019
2/20/2018 16:00	496800	65.472	17.246	147.482	35434.418	41594.668	26.83	28.284	28.221	1.019
2/20/2018 16:15	497700	65.462	17.246	147.469	35441.102	41602.273	26.826	28.28	28.216	1.019
2/20/2018 16:30	498600	65.45	17.246	147.432	35441.719	41603.082	26.836	28.29	28.215	1.019
2/20/2018 16:45	499500	65.461	17.246	147.456	35434.738	41594.887	26.831	28.285	28.221	1.019
2/20/2018 17:00	500400	65.454	17.246	147.442	35424.715	41582.715	26.822	28.276	28.229	1.019
2/20/2018 17:15	501300	65.452	17.246	147.438	35462.227	41630.359	26.856	28.309	28.197	1.019
2/20/2018 17:30	502200	65.448	17.246	147.428	35458.879	41622.898	26.851	28.304	28.202	1.019
2/20/2018 17:45	503100	65.444	17.246	147.419	35428.152	41587.484	26.825	28.279	28.226	1.019
2/20/2018 18:00	504000	65.437	17.246	147.402	35429.902	41589.211	26.826	28.28	28.225	1.019
2/20/2018 18:15	504900	65.438	17.246	147.408	35431.715	41591.34	26.828	28.282	28.223	1.019
2/20/2018 18:30	505800	65.429	17.246	147.385	35464.684	41629.871	26.856	28.308	28.197	1.019
2/20/2018 18:45	506700	65.433	17.246	147.395	35416.391	41575.777	26.817	28.272	28.214	1.019
2/20/2018 19:00	507600	65.431	17.246	147.389	35461.084	41628.074	26.854	28.308	28.198	1.019
2/20/2018 19:15	508500	65.423	17.246	147.371	35475.32	41642.199	26.864	28.317	28.189	1.019
2/20/2018 19:30	509400	65.425	17.246	147.376	35437.223	41597.555	26.832	28.286	28.219	1.019
2/20/2018 19:45	510300	65.426	17.246	147.378	35456.781	41620.918	26.849	28.305	28.208	1.019
2/20/2018 20:00	511200	65.42	17.246	147.365	35438.184	41598.848	26.833	28.287	28.218	1.019
2/20/2018 20:15	512100	65.42	17.246	147.365	35448.473	41611.008	26.842	28.295	28.21	1.019
2/20/2018 20:30	513000	65.423	17.246	147.371	35438.152	41598.805	26.833	28.287	28.218	1.019
2/20/2018 20:45	513900	65.42	17.246	147.364	35437.805	41598.422	26.833	28.287	28.218	1.019
2/20/2018 21:00	514800	65.419	17.246	147.362	35466.273	41631.82	26.857	28.31	28.196	1.019
2/20/2018 21:15	515700	65.421	17.246	147.367	35450.371	41611.07	26.844	28.297	28.208	1.019
2/20/2018 21:30	516600	65.409	17.246	147.34	35504.254	41613.016	26.843	28.29	28.209	1.019
2/20/2018 21:45	517500	65.422	17.246	147.369	35467.148	41632.848	26.86	28.31	28.195	1.019
2/20/2018 22:00	518400	65.428	17.246	147.382	35452.945	41616.34	26.846	28.299	28.206	1.019
2/20/2018 22:15	519300	65.431	17.246	147.391	35463.75	41629.191	26.855	28.308	28.198	1.019
2/20/2018 22:30	520200	65.428	17.246	147.384	35475.547	41642.707	26.865	28.317	28.189	1.019
2/20/2018 22:45	521100	65.438	17.246	147.406	35463.477	41628.949	26.855	28.308	28.198	1.019
2/20/2018 23:00	522000	65.438	17.246	147.406	35463.508	41628.488	26.855	28.307	28.198	1.019
2/20/2018 23:15	522900	65.441	17.246	147.412	35461.508	41626.227	26.853	28.306	28.199	1.019
2/20/2018 23:30	523800	65.444	17.246	147.418	35462.68	41625.078	26.871	28.323	28.183	1.019
2/20/2018 23:45	524700	65.452	17.246	147.438	35474.031	41641.168	26.864	28.316	28.19	1.019
2/21/2018 0:00	525600	65.458	17.247	147.451	35478.754	41646.066	26.867	28.319	28.186	1.019
2/21/2018 0:15	526500	65.458	17.246	147.452	35462.926	41628.902	26.855	28.308	28.198	1.019
2/21/2018 0:30	527400	65.468	17.246	147.473	35483.809	41652.566	26.872	28.324	28.182	1.019
2/21/2018 0:45	528300	65.469	17.246	147.474	35460.672	41625.578	26.852	28.305	28.2	1.019
2/21/2018 1:00	529200	65.47	17.246	147.479	35488.016	41651.559	26.871	28.323	28.182	1.019
2/21/2018 1:15	530100	65.476	17.246	147.491	35482.285	41650.617	26.872	28.32	28.183	1.019
2/21/2018 1:30	531000	65.479	17.246	147.499	35465.133	41630.398	26.856	28.309	28.197	1.019
2/21/2018 1:45	531900	65.482	17.246	147.504	35498.234	41669.672	26.884	28.335	28.17	1.019
2/21/2018 2:00	532800	65.485	17.246	147.512	35488.309	41657.848	26.876	28.32	28.178	1.019
2/21/2018 2:15	533700									

2/21/2018 19:45	596700	65.42	17.247	147.365	35480.859	41648.445	26.869	28.321	28.184	1.019
2/21/2018 20:00	597600	65.425	17.247	147.376	35491.129	41660.5	26.877	28.329	28.176	1.019
2/21/2018 20:15	598500	65.419	17.247	147.363	35469.367	41634.953	26.859	28.312	28.155	1.019
2/21/2018 20:30	599400	65.42	17.246	147.365	35476.738	41644.02	26.866	28.318	28.187	1.019
2/21/2018 20:45	600300	65.416	17.246	147.355	35484.379	41652.91	26.872	28.324	28.181	1.019
2/21/2018 21:00	601200	65.417	17.246	147.359	35454.93	41618.504	26.847	28.301	28.205	1.019
2/21/2018 21:15	602100	65.401	17.246	147.322	35477.234	41644.523	26.866	28.318	28.187	1.019
2/21/2018 21:30	603000	65.416	17.246	147.357	35479.301	41646.871	26.868	28.32	28.185	1.019
2/21/2018 21:45	603900	65.407	17.247	147.336	35463.156	41627.594	26.854	28.307	28.198	1.019
2/21/2018 22:00	604800	65.42	17.247	147.365	35487.582	41656.266	26.874	28.326	28.179	1.019
2/21/2018 22:15	605700	65.421	17.247	147.367	35477.945	41645.191	26.867	28.319	28.187	1.019
2/21/2018 22:30	606600	65.423	17.247	147.372	35470.633	41636.609	26.86	28.313	28.192	1.019
2/21/2018 22:45	607500	65.425	17.246	147.375	35500.859	41672.254	26.886	28.337	28.168	1.019
2/21/2018 23:00	608400	65.419	17.247	147.362	35479.738	41647.297	26.868	28.32	28.185	1.019
2/21/2018 23:15	609300	65.433	17.246	147.394	35480.398	41648.238	26.869	28.321	28.185	1.019
2/21/2018 23:30	610200	65.433	17.246	147.394	35482.656	41651.051	26.871	28.323	28.183	1.019
2/21/2018 23:45	611100	65.439	17.247	147.409	35475.082	41641.832	26.864	28.316	28.189	1.019

Report Date: 2/23/2018 14:43
Report User Name: AVanHaltsma
Report Computer Name: WNKST34
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties
File Name: MPWSP MW-35 LT Test_2018-02-22_14-24-55-426.wml
Create Date: 2/22/2018 14:24

Device Properties
Device: Aqua TROLL 100
Site: MPWSP MW-35
Device Name:
Serial Number: 479259
Firmware Version: 2.01
Hardware Version: 4
Device Address: 1
Device Comm Cfg: 19200
Used Memory: 8 Even
Used Battery: 1 (Modbus-RTU)

Log Configuration
Log Name: MPWSP MW-35 LT Test
Created By: WMassoll
Computer Name: WNKST34
Application: WinSitu.exe
Application Version: 5.6.27.1
Create Date: 11/17/2017 1:26:44 PM Pacific Standard Time
Log Setup Time Zone: Pacific Standard Time
Notes Size(bytes): 4096
Overwrite when full: Enabled
Scheduled Start Time: 11/17/2017 1:30:00 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
Depth: 1.024

Other Log Settings
Depth of Probe: 0.676151 (ft)
Head Pressure: 0.300165 (PSI)
Temperature: 18.1368 (C)
Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191
TDS Factor: 0.68

Log Notes:
Date and Time: Note
11/17/2017 13:26 Log Download - Used Battery: 9% Used Memory: 3% User Name: WMassoll
11/17/2017 13:45 Log Download - Used Battery: 9% Used Memory: 3% User Name: WMassoll Interval - Start Time: 11/17/2017 1:30:00 PM Stop Time: 11/17/2017 1:45:00 PM
11/17/2017 13:46 Log Download - Used Battery: 9% Used Memory: 3% User Name: WMassoll Interval - Start Time: 11/17/2017 1:30:00 PM Stop Time: 11/17/2017 1:45:00 PM
11/17/2017 13:47 Log Download - Used Battery: 9% Used Memory: 3% User Name: WMassoll Interval - Start Time: 11/17/2017 12:30:00 PM Stop Time: 11/17/2017 2:45:00 PM
11/23/2017 9:41 Log Download - Used Battery: 9% Used Memory: 3% User Name: AVanHaltsma Interval - Start Time: 11/17/2017 1:30:00 PM Stop Time: 11/23/2017 10:30:00 AM
12/1/2017 15:29 Log Download - Used Battery: 10% Used Memory: 4% User Name: AVanHaltsma Interval - Start Time: 10/31/2017 10:00:00 PM Stop Time: 12/1/2017 4:15:00 PM
12/1/2017 17:46 Log Download - Used Battery: 10% Used Memory: 4% User Name: WMassoll Interval - Start Time: 11/29/2017 10:00:00 PM Stop Time: 12/1/2017 7:45:00 PM
12/14/2017 16:09 Log Download - Used Battery: 11% Used Memory: 6% User Name: WMassoll Interval - Start Time: 12/6/2017 10:00:00 PM Stop Time: 12/14/2017 5:00:00 PM
12/21/2017 13:19 Log Download - Used Battery: 11% Used Memory: 6% User Name: AVanHaltsma Interval - Start Time: 12/13/2017 10:00:00 PM Stop Time: 12/21/2017 2:15:00 PM
1/4/2018 17:31 Log Download - Used Battery: 12% Used Memory: 7% User Name: WMassoll Interval - Start Time: 11/30/2017 10:00:00 PM Stop Time: 1/4/2018 6:30:00 PM
1/11/2018 12:51 Log Download - Used Battery: 12% Used Memory: 9% User Name: AVanHaltsma Interval - Start Time: 1/3/2018 10:00:00 PM Stop Time: 1/11/2018 1:45:00 PM
1/18/2018 13:47 Log Download - Used Battery: 12% Used Memory: 9% User Name: WMassoll Interval - Start Time: 1/10/2018 10:00:00 PM Stop Time: 1/18/2018 4:00:00 PM
1/26/2018 17:28 Log Download - Used Battery: 13% Used Memory: 10% User Name: WMassoll Interval - Start Time: 1/17/2018 10:00:00 PM Stop Time: 1/26/2018 7:30:00 PM
2/2/2018 14:21 Log Download - Used Battery: 13% Used Memory: 10% User Name: WMassoll Interval - Start Time: 12/31/2017 10:00:00 PM Stop Time: 2/2/2018 4:15:00 PM
2/8/2018 12:43 Log Download - Used Battery: 13% Used Memory: 12% User Name: WMassoll Interval - Start Time: 2/1/2018 10:00:00 PM Stop Time: 2/8/2018 3:30:00 PM
2/15/2018 14:31 Log Download - Used Battery: 14% Used Memory: 12% User Name: AVanHaltsma Interval - Start Time: 2/7/2018 10:00:00 PM Stop Time: 2/15/2018 3:30:00 PM
2/22/2018 14:24 Log Download - Used Battery: 14% Used Memory: 14% User Name: WMassoll Interval - Start Time: 2/14/2018 10:00:00 PM Stop Time: 2/22/2018 2:15:00 PM

Log Data:
Record Count: 737

Sensors: 1
1 479259 PCTD 100 PSIG (70m/231ft)

Time Zone: Pacific Standard Time

Date and Time	Elapsed Time Seconds	Sensor: PCTD(G) 231R SNR: 479259 Pressure (PSI)	Sensor: PCTD(G) 231R SNR: 479259 Temperature (C)	Sensor: PCTD(G) 231R SNR: 479259 Depth (ft)	Sensor: PCTD(G) 231R SNR: 479259 Actual Conductivity (uS)	Sensor: PCTD(G) 231R SNR: 479259 Specific Conductivity (uS)	Sensor: PCTD(G) 231R SNR: 479259 Salinity (PSU)	Sensor: PCTD(G) 231R SNR: 479259 Total Dissolved Solids (ppt)	Sensor: PCTD(G) 231R SNR: 479259 Resistivity (ohm-cm)	Sensor: PCTD(G) 231R SNR: 479259 Water Density (g/cm3)
2/15/2018 0:00	7200	19.393	17.176	43.685	35088.926	42153.957	26.584	28.053	28.499	1.019
2/15/2018 0:15	8100	19.394	17.171	43.686	35037.984	41198.195	26.544	28.015	28.54	1.019
2/15/2018 0:30	9000	19.392	17.17	43.683	35041.004	42033.121	26.547	28.018	28.538	1.019
2/15/2018 0:45	9900	19.391	17.169	43.681	35019.387	41178.273	26.529	28.001	28.556	1.019
2/15/2018 1:00	10800	19.393	17.168	43.686	35026.457	41897.641	26.536	28.008	28.55	1.019
2/15/2018 1:15	11700	19.393	17.165	43.686	35004.02	41164.262	26.519	27.992	28.568	1.019
2/15/2018 1:30	12600	19.39	17.16	43.679	34994.938	41158.363	26.515	27.988	28.576	1.019
2/15/2018 1:45	13500	19.391	17.154	43.681	34948.637	41109.156	26.479	27.954	28.613	1.019
2/15/2018 2:00	14400	19.394	17.146	43.686	34959.5	41129.711	26.493	27.968	28.605	1.019
2/15/2018 2:15	15300	19.392	17.136	43.683	34930.805	41105.176	26.475	27.952	28.628	1.019
2/15/2018 2:30	16200	19.396	17.132	43.691	34912.551	41087.098	26.462	27.939	28.643	1.019
2/15/2018 2:45	17100	19.392	17.121	43.683	34916.777	41101.785	26.472	27.949	28.64	1.019
2/15/2018 3:00	18000	19.39	17.115	43.679	34891.773	41078.504	26.455	27.933	28.66	1.019
2/15/2018 3:15	18900	19.393	17.107	43.685	34905.004	41101.277	26.471	27.949	28.649	1.019
2/15/2018 3:30	19800	19.397	17.106	43.694	34886.039	41079.527	26.456	27.934	28.665	1.019
2/15/2018 3:45	20700	19.393	17.108	43.686	34882.746	41074.352	26.452	27.951	28.667	1.019
2/15/2018 4:00	21600	19.392	17.109	43.683	34899.66	41093.203	26.466	27.943	28.654	1.019
2/15/2018 4:15	22500	19.392	17.11	43.683	34901.008	41094.078	26.466	27.944	28.652	1.019
2/15/2018 4:30	23400	19.392	17.116	43.683	34903.441	41091.344	26.465	27.942	28.65	1.019
2/15/2018 4:45	24300	19.394	17.118	43.688	34921.172	41110.594	26.478	27.955	28.636	1.019
2/15/2018 5:00	25200	19.389	17.125	43.677	34918.086	41100.336	26.471	27.948	28.638	1.019
2/15/2018 5:15	26100	19.393	17.125	43.685	34900.324	41079.105	26.456	27.934	28.653	1.019
2/15/2018 5:30	27000	19.392	17.127	43.683	34922.672	41104.871	26.475	27.951	28.634	1.019
2/15/2018 5:45	27900	19.392	17.133	43.683	34939.574	41118.09	26.485	27.96	28.621	1.019
2/15/2018 6:00	28800	19.391	17.127	43.68	34916.414	41096.012	26.468	27.945	28.64	1.019
2/15/2018 6:15	29700	19.394	17.124	43.686	34916.582	41099.281	26.471	27.948	28.64	1.019
2/15/2018 6:30	30600	19.387	17.124	43.677	34916.348	41099.086	26.471	27.947	28.64	1.019
2/15/2018 6:45	31500	19.39	17.132	43.678	34941.469	41121.293	26.487	27.962	28.619	1.019
2/15/2018 7:00	32400	19.391	17.132	43.681	34937.457	41116.73	26.483	27.959	28.623	1.019
2/15/2018 7:15	33300	19.387	17.13	43.671	34926.023	41104.652	26.475	27.951	28.632	1.019
2/15/2018 7:30	34200	19.389	17.134	43.675	34946.23	41125.027	26.49	27.965	28.615	1.019
2/15/2018 7:45	35100	19.388	17.139	43.673	34965.762	41143.313	26.503	27.977	28.599	1.019
2/15/2018 8:00	36000	19.39	17.137	43.679	34953.25	41130.059	26.493	27.968	28.61	1.019
2/15/2018 8:15	36900	19.391	17.135	43.68	34965.707	41147.141	26.505	27.98	28.599	1.019
2/15/2018 8:30	37800	19.389	17.139	43.677	34979.363	41159.156	26.514	27.988	28.588	1.019
2/15/2018 8:45	38700	19.389	17.14	43.677	34963.078	41139.582	26.5	27.975	28.602	1.019
2/15/2018 9:00	39600	19.389	17.141	43.677	34979.727	41157.801	26.513	27.987	28.588	1.019
2/15/2018 9:15	40500	19.387	17.137	43.672	34992.227	41175.902	26.526	28	28.578	1.019
2/15/2018 9:30	41400	19.389	17.139	43.676	35003.266	41187.039	26.534	28.007	28.569	1.019
2/15/2018 9:45	42300	19.391	17.143	43.68	35001.934	41181.891	26.531	28.004	28.57	1.019
2/15/2018 10:00	43200	19.391	17.15	43.681	34996.961	41170.047	26.522	27.996	28.574	1.019
2/15/2018 10:15	44100	19.39	17.138	43.678	35001.68	41185.977	26.533	28.006	28.57	1.019
2/15/2018 10:30	45000	19.39	17.144	43.678	34989.84	41166.859	26.52	27.993	28.58	1.019
2/15/2018 10:45	45900	19.39	17.145	43.678	35017.18	41197.809	26.542	28.015	28.557	1.019
2/15/2018 11:00	46800	19.389	17.143	43.675	35015.996	41198.289	26.542	28.018	28.558	1.019
2/15/2018 11:15	47700	19.388	17.143	43.674	35014.719	41196.789	26.541	28.014	28.559	1.019
2/15/2018 11:30	48600	19.393	17.152	43.685	35036.48	41213.941	26.554	28.025	28.542	1.019
2/15/2018 11:45	49500	19.393	17.144	43.685	35007.828	41198.355	26.535	28.018	28.545	1.019
2/15/2018 12:00	50400	19.39	17.151	43.678	35032.258	41210.68	26.551	28.023	28.545	1.019
2/15/2018 12:15	51300	19.39	17.155	43.678	35029.996	41203.977	26.547	28.019	28.547	1.019
2/15/2018 12:30	52200	19.392	17.144	43.682	35034.301	41219.332	26.557	28.029	28.543	1.019
2/15/2018 12:45	53100	19.391	17.151	43.681	35018.629	41195.098	26.54	28.015	28.555	1.019
2/15/2018 13:00	54000	19.389	17.164	43.677	35041.734	41209.578	26.551	28.023	28.537	1.019
2/15/2018 13:15	54900	19.39	17.15	43.679	35033.316	41212.414	26.553	28.024	28.544	1.019
2/15/2018 13:30	55800	19.388	17.149	43.674	35026.168	41204.734	26.547	28.019	28.55	1.019
2/15/2018 13:45	56700	19.394	17.155	43.686	35066.535	41246.543	26.577	28.048	28.517	1.019
2/15/2018 14:00	57600	19.39	17.143	43.679	35039.262	41226.066	26.562	28.034	28.539	1.019
2/15/2018 14:15	58500	19.392	17.144	43.682	35037.223	41222.527	26.56	28.031	28.541	1.019
2/15/2018 14:30	59400	19.393	17.148	43.686	35096.609	41288.824	26.607	28.076	28.493	1.019
2/15/2018 14:45	60300	19.39	17.149	43.679	35066.414	41252	26.581	28.051	28.517	1.019
2/15/2018 15:00	61200	19.395	17.146	43.69	35037.285	41221.148	26.559	28.03	28.541	1.019
2/15/2018 15:15	62100	19.394	17.144	43.688	35041.488	41227.715	26.563	28.035	28.538	1.019
2/15/2018 15:30	63000	19.391	17.147	43.68	35072.73	41262.035	26.588	28.058	28.512	1.019
2/15/2018 15:45	63900	19.391	17.14	43.68	35043.926	41234.715	26.568	28.04	28.536	1.019
2/15/2018 16:00	64800	19.391	17.139	43.681	35050.297	41242.781	26.574	28.045	28.53	1.019
2/15/2018 16:15	65700	19.393	17.137	43.686	35054.352	41249.262	26.578	28.049	28.527	1.019
2/15/2018 16:30	66600	19.389	17.141	43.677	35061.777	41254.09	26.582	28.053	28.521	1.019
2/15/2018 16:45	67500	19.395	17.144	43.69	35091.391	41286.668	26.605	28.075	28.497	1.019

2/15/2018 17:00	68400	19.393	17.14	43.685	35077.004	41273.156	26.596	28.066	28.509	1.019
2/15/2018 17:15	69300	19.393	17.14	43.685	35061.676	41254.793	26.592	28.063	28.511	1.019
2/15/2018 17:30	70200	19.393	17.147	43.685	35070.234	41258.602	26.585	28.056	28.514	1.019
2/15/2018 17:45	71100	19.393	17.15	43.685	35096.41	41286.719	26.606	28.075	28.493	1.019
2/15/2018 18:00	72000	19.394	17.153	43.688	35060.848	41242.531	26.574	28.045	28.522	1.019
2/15/2018 18:15	72900	19.396	17.156	43.691	35077.254	41261.582	26.586	28.058	28.509	1.019
2/15/2018 18:30	73800	19.393	17.163	43.686	35067.066	41240.262	26.573	28.043	28.517	1.019
2/15/2018 18:45	74700	19.397	17.169	43.693	35071.051	41241.785	26.575	28.044	28.512	1.019
2/15/2018 19:00	75600	19.399	17.161	43.698	35072.867	41248.801	26.579	28.049	28.512	1.019
2/15/2018 19:15	76500	19.396	17.16	43.691	35106.145	41248.902	26.606	28.076	28.495	1.019
2/15/2018 19:30	77400	19.397	17.171	43.693	35057.867	41222.145	26.561	28.031	28.524	1.019
2/15/2018 19:45	78300	19.397	17.17	43.693	35074.285	41242.418	26.575	28.045	28.511	1.019
2/15/2018 20:00	79200	19.397	17.168	43.694	35066.172	41234.586	26.569	28.04	28.518	1.019
2/15/2018 20:15	80100	19.4	17.174	43.701	35075.887	41240.57	26.574	28.044	28.51	1.019
2/15/2018 20:30	81000	19.4	17.174	43.701	35076.715	41241.785	26.575	28.044	28.509	1.019
2/15/2018 20:45	81900	19.399	17.17	43.697	35069.625	41236.297	26.571	28.041	28.515	1.019
2/15/2018 21:00	82800	19.402	17.177	43.704	35080.215	41242.418	26.575	28.048	28.506	1.019
2/15/2018 21:15	83700	19.406	17.173	43.713	35057.449	41217.598	26.558	28.028	28.525	1.019
2/15/2018 21:30	84600	19.405	17.178	43.712	35064.605	41222.082	26.561	28.031	28.52	1.019
2/15/2018 21:45	85500	19.406	17.175	43.715	35071.943	41234.527	26.57	28.04	28.513	1.019
2/15/2018 22:00	86400	19.407	17.176	43.716	35075.324	41237.960	26.572	28.042	28.51	1.019
2/15/2018 22:15	87300	19.409	17.176	43.72	35055.035	41213.633	26.555	28.025	28.527	1.019
2/15/2018 22:30	88200	19.41	17.169	43.722	35044.988	41208.949	26.551	28.022	28.535	1.019
2/15/2018 22:45	89100	19.41	17.163	43.722	35060.855	41232.793	26.548	28.018	28.532	1.019
2/15/2018 23:00	90000	19.411	17.173	43.724	35062.805	41225.922	26.563	28.034	28.52	1.019
2/15/2018 23:15	90900	19.413	17.175	43.73	35046.121	41204.195	26.548	28.019	28.534	1.019
2/15/2018 23:30	91800	19.412	17.176	43.726	35075.707	41231.926	26.576	28.046	28.51	1.019
2/15/2018 23:45	92700	19.414	17.181	43.731	35059.516	41214.594	26.556	28.026	28.523	1.019
2/16/2018 0:00	93600	19.417	17.171	43.738	35061.18	41225.563	26.563	28.033	28.522	1.019
2/16/2018 0:15	94500	19.418	17.161	43.74	35051.332	41223.301	26.561	28.032	28.53	1.019
2/16/2018 0:30	95400	19.417	17.171	43.734	35058.527	41222.441	26.561	28.031	28.534	1.019
2/16/2018 0:45	96300	19.42	17.17	43.745	35047.367	41210.535	26.552	28.023	28.533	1.019
2/16/2018 1:00	97200	19.42	17.176	43.745	35023.273	41176.617	26.528	28	28.552	1.019
2/16/2018 1:15	98100	19.423	17.177	43.752	35034.129	41188.234	26.537	28.038	28.544	1.019
2/16/2018 1:30	99000	19.423	17.177	43.752	35040.457	41202.245	26.546	28.045	28.538	1.019
2/16/2018 1:45	99900	19.428	17.176	43.762	35016.926	41169.469	26.523	27.995	28.558	1.019
2/16/2018 2:00	100800	19.423	17.167	43.752	35019.215	41179.773	26.53	28.002	28.556	1.019
2/16/2018 2:15	101700	19.427	17.165	43.76	35010.957	41182.568	26.532	28.005	28.555	1.019
2/16/2018 2:30	102600	19.427	17.176	43.76	35025.457	41179.34	26.53	28.002	28.551	1.019
2/16/2018 2:45	103500	19.429	17.172	43.767	35042.109	41202.402	26.547	28.018	28.537	1.019
2/16/2018 3:00	104400	19.432	17.168	43.772	35031.16	41228.773	26.565	28.036	28.522	1.019
2/16/2018 3:15	105300	19.434	17.177	43.777	35047.148	41206.617	26.551	28.021	28.529	1.019
2/16/2018 3:30	106200	19.434	17.179	43.777	35039.242	41192.871	26.54	28.011	28.539	1.019
2/16/2018 3:45	107100	19.434	17.17	43.777	35047.488	41210.266	26.552	28.023	28.533	1.019
2/16/2018 4:00	108000	19.438	17.174	43.786	35042.391	41217.625	26.557	28.017	28.537	1.019
2/16/2018 4:15	108900	19.437	17.168	43.784	35050.191	41215.797	26.556	28.027	28.531	1.019
2/16/2018 4:30	109800	19.438	17.176	43.785	35008.547	41159.133	26.516	27.988	28.564	1.019
2/16/2018 4:45	110700	19.442	17.164	43.794	34999.684	41151.895	26.51	27.983	28.577	1.019
2/16/2018 5:00	111600	19.437	17.178	43.784	34993.612	41147.625	26.507	27.98	28.577	1.019
2/16/2018 5:15	112500	19.445	17.162	43.801	34995.992	41156.113	26.513	27.986	28.575	1.019
2/16/2018 5:30	113400	19.442	17.169	43.795	35004.52	41160.871	26.517	27.989	28.568	1.019
2/16/2018 5:45	114300	19.447	17.171	43.805	34997.703	41159.398	26.502	27.985	28.581	1.019
2/16/2018 6:00	115200	19.445	17.184	43.803	35030.738	41177.848	26.53	28.001	28.546	1.019
2/16/2018 6:15	116100	19.449	17.175	43.811	35002.137	41152.484	26.511	27.984	28.57	1.019
2/16/2018 6:30	117000	19.447	17.181	43.806	35010.086	41156.578	26.514	27.986	28.563	1.019
2/16/2018 6:45	117900	19.449	17.169	43.81	34997.891	41129.961	26.495	27.98	28.589	1.019
2/16/2018 7:00	118800	19.448	17.167	43.809	35011.816	41171.242	26.524	27.996	28.562	1.019
2/16/2018 7:15	119700	19.453	17.171	43.82	35007.785	41162.777	26.518	27.991	28.565	1.019
2/16/2018 7:30	120600	19.45	17.17	43.812	35010.859	41167.445	26.522	27.994	28.563	1.019
2/16/2018 7:45	121500	19.453	17.175	43.819	35005.467	41156.674	26.514	27.987	28.567	1.019
2/16/2018 8:00	122400	19.454	17.173	43.822	34981.758	41130.793	26.495	27.969	28.586	1.019
2/16/2018 8:15	123300	19.456	17.161	43.826	34986.914	41147.457	26.507	27.98	28.582	1.019
2/16/2018 8:30	124200	19.455	17.167	43.824	35001.375	41156.523	26.514	27.985	28.57	1.019
2/16/2018 8:45	125100	19.455	17.174	43.825	35008.203	41160.66	26.517	27.989	28.565	1.019
2/16/2018 9:00	126000	19.455	17.167	43.825	35016.379	41176.934	26.528	28	28.558	1.019
2/16/2018 9:15	126900	19.457	17.168	43.828	35034.504	41197.539	26.543	28.014	28.543	1.019
2/16/2018 9:30	127800	19.456	17.167	43.827	35034.828	41195.859	26.547	28.015	28.543	1.019
2/16/2018 9:45	128700	19.461	17.16	43.837	35029.575	41231.535	26.567	28.037	28.525	1.019
2/16/2018 10:00	129600	19.46	17.164	43.836	35095	41271.656	26.596	28.065	28.494	1.019
2/16/2018 10:15	130500	19.465	17.166	43.846	35096.777	41270.578	26.595	28.064	28.488	1.019
2/16/2018 10:30	131400	19.46	17.173	43.835	35122.824	41296.57	26.614	28.082	28.472	1.019
2/16/2018 10:45	132300	19.462	17.161	43.84	35148.969	41338.461	26.643	28.11	28.45	1.019
2/16/2018 11:00	133200	19.463	17.161	43.842	35120.578	41305.07	26.619	28.087	28.473	1.019
2/16/2018 11:15	134100	19.461	17.17	43.838	35144.047	41341.613	26.631	28.101	28.454	1.019
2/16/2018 11:30	135000	19.466	17.159	43.848	35132.164	41320.809	26.63	28.098	28.464	1.019
2/16/2018 11:45	135900	19.467	17.167	43.851	35145.492	41328.512	26.636	28.103	28.453	1.019
2/16/2018 12:00	136800	19.466	17.169	43.85	35128.695	41306.699	26.621	28.085	28.467	1.019
2/16/2018 12:15	137700	19.466	17.152	43.85	35127.629	41321.16	26.63	28.098	28.468	1.019
2/16/2018 12:30	138600	19.467	17.156	43.848	35162.27	41358.988	26.658	28.124	28.44	1.019
2/16/2018 12:45	139500	19.465	17.153	43.847	35163.313	41362.977	26.66	28.127	28.439	1.019
2/16/2018 13:00	140400	19.466	17.153	43.85	35161.832	41360.84	26.659	28.125	28.44	1.019
2/16/2018 13:15	141300	19.47	17.15	43.858	35135.086	41332.297	26.638	28.106	28.462	1.019
2/16/2018 13:30	142200	19.47	17.15	43.859	35145.109	41343.68	26.646	28.114	28.453	1.019
2/16/2018 13:45	143100	19.469	17.16	43.855	35150.109	41340.453	26.645	28.112	28.449	1.019
2/16/2018 14:00	144000	19.47	17.147	43.859	35136.203	41336.547	26.641	28.109	28.451	1.019
2/16/2018 14:15	144900	19.467	17.153	43.851	35157.926	41355.988	26.655	28.122	28.443	1.019
2/16/2018 14:30	145800	19.469	17.148	43.856	35147.871	41349.043	26.65	28.117	28.451	1.019
2/16/2018 14:45	146700	19.468	17.152	43.854	35140.781	41347.625	26.649	28.114	28.45	1.019
2/16/2018 15:00	147600	19.466	17.155	43.848	35138.043	41330.652	26.637	28.105	28.459	1.019
2/16/2018 15:15	148500	19.469	17.157	43.855						

2/17/2018 8:30	210600	19.434	17.133	43.777	34750.531	40895.773	26.326	27.809	28.777	1.019
2/17/2018 8:45	211500	19.435	17.134	43.779	34739.27	40891.242	26.316	27.799	28.766	1.019
2/17/2018 9:00	212400	19.438	17.145	43.786	34760.961	40897.004	26.327	27.81	28.768	1.019
2/17/2018 9:15	213300	19.433	17.137	43.774	34796.617	40946.063	26.362	27.843	28.738	1.019
2/17/2018 9:30	214200	19.433	17.133	43.774	34790.637	40942.246	26.359	27.841	28.743	1.019
2/17/2018 9:45	215100	19.431	17.133	43.777	34810.957	40915.977	26.384	27.864	28.719	1.019
2/17/2018 10:00	216000	19.433	17.138	43.775	34838.859	40994.719	26.397	27.876	28.704	1.019
2/17/2018 10:15	216900	19.431	17.137	43.777	34834.875	40991.148	26.394	27.874	28.707	1.019
2/17/2018 10:30	217800	19.43	17.14	43.767	34859.238	41016.676	26.413	27.891	28.687	1.019
2/17/2018 10:45	218700	19.432	17.135	43.772	34857.559	41018.145	26.414	27.893	28.688	1.019
2/17/2018 11:00	219600	19.434	17.136	43.776	34871.238	41034.676	26.425	27.904	28.677	1.019
2/17/2018 11:15	220500	19.432	17.136	43.771	34873.953	41038.113	26.428	27.906	28.675	1.019
2/17/2018 11:30	221400	19.429	17.13	43.766	34886	41050.484	26.436	27.914	28.67	1.019
2/17/2018 11:45	222300	19.43	17.136	43.767	34911.914	41082.707	26.459	27.936	28.644	1.019
2/17/2018 12:00	223200	19.433	17.146	43.774	34924.266	41088.18	26.464	27.94	28.633	1.019
2/17/2018 12:15	224100	19.431	17.132	43.769	34931.566	41086.008	26.462	27.938	28.644	1.019
2/17/2018 12:30	225000	19.428	17.137	43.763	34936.379	41075.383	26.454	27.951	28.648	1.019
2/17/2018 12:45	225900	19.427	17.14	43.761	34935.031	41087.602	26.463	27.94	28.638	1.019
2/17/2018 13:00	226800	19.427	17.142	43.761	34928.887	41097.41	26.47	27.946	28.63	1.019
2/17/2018 13:15	227700	19.436	17.138	43.761	34937.496	41095.723	26.455	27.951	28.617	1.019
2/17/2018 13:30	228600	19.429	17.147	43.766	34948.508	41115.641	26.483	27.959	28.614	1.019
2/17/2018 13:45	229500	19.428	17.149	43.764	34935.723	41107.965	26.478	27.953	28.624	1.019
2/17/2018 14:00	230400	19.428	17.137	43.764	34934.742	41108.281	26.478	27.954	28.625	1.019
2/17/2018 14:15	231300	19.427	17.138	43.761	34939.875	41090.531	26.465	27.942	28.617	1.019
2/17/2018 14:30	232200	19.424	17.143	43.753	34922.043	41088.465	26.464	27.94	28.615	1.019
2/17/2018 14:45	233100	19.423	17.141	43.751	34939.512	41110.895	26.48	27.955	28.621	1.019
2/17/2018 15:00	234000	19.426	17.139	43.759	34937.684	41116.914	26.484	27.96	28.623	1.019
2/17/2018 15:15	234900	19.421	17.133	43.748	34946.207	41125.563	26.495	27.965	28.615	1.019
2/17/2018 15:30	235800	19.426	17.133	43.758	34932.48	41109.742	26.479	27.955	28.627	1.019
2/17/2018 15:45	236700	19.424	17.137	43.755	34936.563	41110.336	26.479	27.955	28.623	1.019
2/17/2018 16:00	237600	19.423	17.14	43.751	34942.752	41115.672	26.489	27.959	28.618	1.019
2/17/2018 16:15	238500	19.422	17.135	43.749	34946.219	41124.363	26.489	27.965	28.615	1.019
2/17/2018 16:30	239400	19.422	17.132	43.751	34936.652	41114.973	26.482	27.958	28.623	1.019
2/17/2018 16:45	240300	19.423	17.131	43.751	34940.238	41120.965	26.486	27.962	28.62	1.019
2/17/2018 17:00	241200	19.419	17.141	43.744	34943.631	41115.012	26.483	27.959	28.616	1.019
2/17/2018 17:15	242100	19.422	17.134	43.751	34952.121	41131.879	26.494	27.97	28.611	1.019
2/17/2018 17:30	243000	19.418	17.133	43.74	34937.805	41116.008	26.483	27.959	28.622	1.019
2/17/2018 17:45	243900	19.416	17.138	43.738	34921.109	41091.82	26.466	27.951	28.616	1.019
2/17/2018 18:00	244800	19.416	17.14	43.738	34945.723	41118.355	26.485	27.96	28.616	1.019
2/17/2018 18:15	245700	19.417	17.139	43.738	34931.848	41103.488	26.474	27.95	28.627	1.019
2/17/2018 18:30	246600	19.416	17.141	43.738	34932.48	41102.527	26.474	27.95	28.627	1.019
2/17/2018 18:45	247500	19.414	17.147	43.731	34936.636	41124.836	26.485	27.961	28.607	1.019
2/17/2018 19:00	248400	19.415	17.152	43.733	34915.008	41071.543	26.452	27.929	28.641	1.019
2/17/2018 19:15	249300	19.415	17.155	43.733	34899.348	41050.367	26.437	27.914	28.654	1.019
2/17/2018 19:30	250200	19.414	17.151	43.731	34914.984	41059.527	26.471	27.945	28.613	1.019
2/17/2018 19:45	251100	19.411	17.163	43.726	34916.676	41063.328	26.447	27.923	28.64	1.019
2/17/2018 20:00	252000	19.411	17.165	43.724	34940.066	41088.797	26.465	27.94	28.62	1.019
2/17/2018 20:15	252900	19.409	17.169	43.72	34924.984	41067.75	26.45	27.926	28.633	1.019
2/17/2018 20:30	253800	19.412	17.167	43.726	34942.469	41085.773	26.466	27.941	28.619	1.019
2/17/2018 20:45	254700	19.409	17.176	43.72	34925.512	41062.156	26.447	27.922	28.632	1.019
2/17/2018 21:00	255600	19.409	17.178	43.72	34951.883	41092.996	26.469	27.943	28.609	1.019
2/17/2018 21:15	256500	19.41	17.183	43.723	34947.727	41079.953	26.46	27.934	28.611	1.019
2/17/2018 21:30	257400	19.408	17.184	43.72	34932.609	41050.746	26.439	27.915	28.635	1.019
2/17/2018 21:45	258300	19.408	17.189	43.717	34937.582	41033.824	26.448	27.923	28.622	1.019
2/17/2018 22:00	259200	19.408	17.188	43.718	34936.848	41064.172	26.449	27.924	28.623	1.019
2/17/2018 22:15	260100	19.41	17.177	43.723	34909.137	41041.77	26.423	27.908	28.646	1.019
2/17/2018 22:30	261000	19.409	17.157	43.72	34891.594	41038.988	26.429	27.907	28.66	1.019
2/17/2018 22:45	261900	19.406	17.147	43.715	34858.25	41008.973	26.407	27.886	28.688	1.019
2/17/2018 23:00	262800	19.41	17.145	43.723	34853	41004.652	26.404	27.883	28.692	1.019
2/17/2018 23:15	263700	19.403	17.143	43.703	34851.047	41006.887	26.406	27.885	28.691	1.019
2/17/2018 23:30	264600	19.405	17.142	43.712	34825.027	40974.41	26.382	27.863	28.715	1.019
2/18/2018 0:00	265500	19.404	17.141	43.71	34840.176	40993.441	26.396	27.876	28.702	1.019
2/18/2018 0:15	266400	19.402	17.136	43.704	34838.602	40996.277	26.387	27.867	28.704	1.019
2/18/2018 0:30	267300	19.406	17.137	43.713	34805.793	40956.613	26.37	27.851	28.731	1.019
2/18/2018 0:45	268200	19.404	17.117	43.71	34801.949	40970.734	26.379	27.86	28.734	1.019
2/18/2018 0:50	269100	19.405	17.095	43.711	34799.23	40987.883	26.39	27.872	28.736	1.019
2/18/2018 1:00	270000	19.4	17.093	43.701	34770.809	40956.102	26.367	27.85	28.76	1.019
2/18/2018 1:15	270900	19.405	17.089	43.712	34772.141	40960.18	26.37	27.853	28.759	1.019
2/18/2018 1:30	271800	19.404	17.095	43.709	34781.621	40966.902	26.375	27.857	28.751	1.019
2/18/2018 1:45	272700	19.404	17.096	43.709	34796.688	40978.918	26.387	27.863	28.748	1.019
2/18/2018 1:50	273600	19.403	17.103	43.694	34787.813	40967.348	26.376	27.858	28.746	1.019
2/18/2018 2:15	274500	19.4	17.108	43.701	34794.293	40970.352	26.378	27.86	28.74	1.019
2/18/2018 2:30	275400	19.397	17.104	43.694	34824.742	41009.281	26.406	27.886	28.715	1.019
2/18/2018 2:45	276300	19.398	17.112	43.697	34799.91	40973.176	26.38	27.867	28.718	1.019
2/18/2018 3:00	277200	19.4	17.103	43.701	34811.203	40985.578	26.389	27.87	28.726	1.019
2/18/2018 3:15	278100	19.393	17.113	43.697	34824.387	41000.531	26.4	27.88	28.716	1.019
2/18/2018 3:30	279000	19.397	17.114	43.694	34807.895	41009.875	26.385	27.883	28.729	1.019
2/18/2018 3:45	279900	19.397	17.113	43.694	34823.066	40999.477	26.399	27.88	28.717	1.019
2/18/2018 4:00	280800	19.394	17.113	43.688	34832.531	41010.047	26.406	27.887	28.709	1.019
2/18/2018 4:15	281700	19.4	17.119	43.7	34842.41	41016.426	26.411	27.891	28.701	1.019
2/18/2018 4:30	282600	19.393	17.118	43.686	34864.59	41022.145	26.422	27.892	28.698	1.019
2/18/2018 4:45	283500	19.392	17.118	43.682	34850.586	41026.859	26.419	27.898	28.694	1.019
2/18/2018 5:00	284400	19.396	17.115	43.691	34866.32	41048.613	26.434	27.913	28.681	1.019
2/18/2018 5:15	285300	19.395	17.12	43.689	34867.648	41044.926	26.432	27.911	28.68	1.019
2/18/2018 5:30	286200	19.392	17.123	43.683	34862.859	41037.02	26.426	27.905	28.684	1.019
2/18/2018 5:45	287100	19.392	17.125	43.683	34873.074	41046.938	26.433	27.912	28.675	1.019
2/18/2018 6:00	288000	19.394	17.128	43.688	34867.547	41043.742	26.431	27.91	28.676	1.019
2/18/2018 6:15	288900	19.392	17.125	43.683	34881.711	41059.945	26.433	27.913	28.667	1.019
2/18/2018 6:30	289800	19.392	17.123	43.682	34876.59	41053.5	26.438	27.916	28.673	1.019
2/18/2018 6:45										

2/19/2018 0:00	352800	19.359	17.136	43.608	34825.238	40980.219	26.386	27.867	28.715	1.019
2/19/2018 0:15	353700	19.361	17.136	43.612	34825.938	40981.177	26.387	27.868	28.714	1.019
2/19/2018 0:30	354600	19.358	17.136	43.606	34854.859	41015.851	26.412	27.891	28.69	1.019
2/19/2018 0:45	355500	19.362	17.135	43.614	34837.512	40995.867	26.397	27.877	28.705	1.019
2/19/2018 1:00	356400	19.357	17.135	43.603	34809.973	40963.555	26.374	27.855	28.727	1.019
2/19/2018 1:15	357300	19.36	17.13	43.611	34805.602	40962.68	26.375	27.855	28.714	1.019
2/19/2018 1:30	358200	19.358	17.128	43.607	34791.777	40948.746	26.363	27.845	28.742	1.019
2/19/2018 1:45	359100	19.358	17.116	43.607	34772.223	40936.457	26.354	27.837	28.759	1.019
2/19/2018 2:00	360000	19.36	17.093	43.61	34767.508	40952.297	26.364	27.848	28.762	1.019
2/19/2018 2:15	360900	19.36	17.097	43.61	34782.777	40966.809	26.375	27.857	28.771	1.019
2/19/2018 2:30	361800	19.358	17.101	43.605	34760.934	40937.211	26.354	27.837	28.768	1.019
2/19/2018 2:45	362700	19.356	17.097	43.602	34786.301	40970.477	27.86	28.747	28.747	1.019
2/19/2018 3:00	363600	19.357	17.097	43.603	34757.754	40957.016	26.354	27.837	28.771	1.019
2/19/2018 3:15	364500	19.357	17.103	43.603	34769.348	40945.41	26.36	27.843	28.761	1.019
2/19/2018 3:30	365400	19.355	17.11	43.599	34767.371	40936.387	26.354	27.837	28.763	1.019
2/19/2018 3:45	366300	19.355	17.109	43.599	34773.211	40944.313	26.359	27.842	28.758	1.019
2/19/2018 4:00	367200	19.355	17.111	43.599	34783.059	40954.223	26.367	27.849	28.75	1.019
2/19/2018 4:15	368100	19.356	17.111	43.602	34801.615	40975.668	26.382	27.863	28.734	1.019
2/19/2018 4:30	369000	19.354	17.123	43.597	34783.363	40942.883	26.359	27.841	28.749	1.019
2/19/2018 4:45	369900	19.357	17.112	43.599	34794.113	40955.781	26.375	27.857	28.748	1.019
2/19/2018 5:00	370800	19.352	17.119	43.593	34781.27	40944.941	26.36	27.843	28.751	1.019
2/19/2018 5:15	371700	19.357	17.108	43.604	34809.941	40988.703	26.391	27.872	28.727	1.019
2/19/2018 5:30	372600	19.353	17.113	43.595	34794.055	40965.234	26.375	27.856	28.741	1.019
2/19/2018 5:45	373500	19.355	17.122	43.599	34816.336	40982.088	26.388	27.868	28.722	1.019
2/19/2018 6:00	374400	19.351	17.117	43.591	34832.203	41006.266	26.404	27.884	28.709	1.019
2/19/2018 6:15	375300	19.35	17.116	43.587	34809.105	40980.375	26.385	27.867	28.728	1.019
2/19/2018 6:30	376200	19.353	17.116	43.593	34797.43	40966.133	26.375	27.857	28.738	1.019
2/19/2018 6:45	377100	19.35	17.12	43.588	34784.125	40946.527	26.362	27.844	28.749	1.019
2/19/2018 7:00	378000	19.355	17.117	43.599	34795.227	40962.582	26.373	27.855	28.74	1.019
2/19/2018 7:15	378900	19.353	17.118	43.594	34818.488	40986.91	26.392	27.872	28.72	1.019
2/19/2018 7:30	379800	19.348	17.129	43.584	34830.211	41005.944	26.395	27.893	28.693	1.019
2/19/2018 7:45	380700	19.347	17.131	43.582	34835.242	40997.078	26.398	27.878	28.707	1.019
2/19/2018 8:00	381600	19.352	17.134	43.593	34838.629	40998.484	26.399	27.879	28.704	1.019
2/19/2018 8:15	382500	19.348	17.13	43.584	34850.148	41015.918	26.411	27.891	28.694	1.019
2/19/2018 8:30	383400	19.349	17.13	43.586	34874.136	41044.336	26.432	27.914	28.674	1.019
2/19/2018 8:45	384300	19.352	17.122	43.592	34864.703	41040.398	26.429	27.907	28.682	1.019
2/19/2018 9:00	385200	19.347	17.13	43.58	34881.652	41052.996	26.438	27.916	28.668	1.019
2/19/2018 9:15	386100	19.343	17.129	43.571	34886.148	41058.371	26.442	27.92	28.655	1.019
2/19/2018 9:30	387000	19.345	17.131	43.577	34900.281	41073.145	26.452	27.93	28.653	1.019
2/19/2018 9:45	387900	19.345	17.137	43.576	34893.613	41060.27	26.443	27.921	28.659	1.019
2/19/2018 10:00	388800	19.347	17.138	43.582	34904.383	41071.466	26.452	27.929	28.65	1.019
2/19/2018 10:15	389700	19.343	17.139	43.573	34924.387	41094.629	26.468	27.943	28.627	1.019
2/19/2018 10:30	390600	19.346	17.141	43.578	34919.844	41087.022	26.463	27.939	28.637	1.019
2/19/2018 10:45	391500	19.343	17.139	43.573	34932.176	41103.613	26.474	27.95	28.627	1.019
2/19/2018 11:00	392400	19.349	17.142	43.585	34930.797	41098.518	26.471	27.957	28.628	1.019
2/19/2018 11:15	393300	19.346	17.144	43.578	34913.922	41077.461	26.456	27.933	28.642	1.019
2/19/2018 11:30	394200	19.345	17.145	43.577	34917.242	41080.797	26.458	27.935	28.639	1.019
2/19/2018 11:45	395100	19.343	17.146	43.571	34920.184	41083.531	26.46	27.937	28.637	1.019
2/19/2018 12:00	396000	19.343	17.152	43.572	34960.992	41127.734	26.492	27.967	28.603	1.019
2/19/2018 12:15	396900	19.347	17.137	43.58	34918.391	41085.109	26.464	27.941	28.638	1.019
2/19/2018 12:30	397800	19.342	17.145	43.569	34958.395	41129.453	26.493	27.968	28.605	1.019
2/19/2018 12:45	398700	19.341	17.142	43.568	34932.895	41101.734	26.473	27.949	28.616	1.019
2/19/2018 13:00	399600	19.341	17.14	43.568	34919.629	41088.219	26.464	27.94	28.617	1.019
2/19/2018 13:15	400500	19.343	17.144	43.572	34924.492	41090.066	26.465	27.941	28.633	1.019
2/19/2018 13:30	401400	19.343	17.137	43.571	34936.699	41110.82	26.48	27.955	28.623	1.019
2/19/2018 13:45	402300	19.34	17.131	43.565	34919.763	41096.074	26.469	27.948	28.617	1.019
2/19/2018 14:00	403200	19.345	17.133	43.576	34916.805	41095.5	26.477	27.954	28.64	1.019
2/19/2018 14:15	404100	19.342	17.127	43.57	34923.77	41104.578	26.475	27.951	28.634	1.019
2/19/2018 14:30	405000	19.339	17.126	43.562	34903.34	41081.676	26.458	27.936	28.651	1.019
2/19/2018 14:45	405900	19.339	17.127	43.562	34919.164	41099.496	26.471	27.948	28.638	1.019
2/19/2018 15:00	406800	19.343	17.126	43.573	34908.969	41088.625	26.463	27.94	28.646	1.019
2/19/2018 15:15	407700	19.343	17.129	43.571	34906.141	41082.547	26.459	27.936	28.648	1.019
2/19/2018 15:30	408600	19.34	17.136	43.566	34925.434	41095.086	26.475	27.945	28.632	1.019
2/19/2018 15:45	409500	19.339	17.131	43.562	34922.809	41099.742	26.471	27.948	28.635	1.019
2/19/2018 16:00	410400	19.337	17.122	43.559	34937.168	41125.699	26.489	27.965	28.623	1.019
2/19/2018 16:15	411300	19.337	17.132	43.559	34919.605	41095.801	26.469	27.945	28.637	1.019
2/19/2018 16:30	412200	19.343	17.13	43.566	34932.011	41113.617	26.485	27.961	28.627	1.019
2/19/2018 16:45	413100	19.343	17.13	43.558	34913.832	41090.457	26.465	27.942	28.642	1.019
2/19/2018 17:00	414000	19.344	17.134	43.575	34923.5	41098.523	26.471	27.947	28.634	1.019
2/19/2018 17:15	414900	19.332	17.138	43.568	34908.293	41083.535	26.46	27.937	28.645	1.019
2/19/2018 17:30	415800	19.337	17.123	43.559	34909.543	41092.051	26.465	27.943	28.645	1.019
2/19/2018 17:45	416700	19.335	17.136	43.554	34915.859	41087.426	26.463	27.939	28.64	1.019
2/19/2018 18:00	417600	19.335	17.135	43.554	34917.879	41090.934	26.465	27.942	28.639	1.019
2/19/2018 18:15	418500	19.334	17.134	43.552	34906.332	41078.156	26.456	27.936	28.648	1.019
2/19/2018 18:30	419400	19.336	17.13	43.556	34936.781	41117.152	26.484	27.96	28.623	1.019
2/19/2018 18:45	420300	19.335	17.135	43.555	34928.855	41109.52	26.474	27.95	28.63	1.019
2/19/2018 19:00	421200	19.334	17.135	43.552	34916.66	41098.691	26.465	27.945	28.644	1.019
2/19/2018 19:15	422100	19.337	17.144	43.558	34911.898	41075.25	26.454	27.931	28.644	1.019
2/19/2018 19:30	423000	19.335	17.139	43.555	34895.742	41060.762	26.444	27.921	28.657	1.019
2/19/2018 19:45	423900	19.335	17.14	43.554	34903.125	41068.152	26.449	27.926	28.651	1.019
2/19/2018 20:00	424800	19.333	17.142	43.55	34922.113	41088.797	26.454	27.934	28.647	1.019
2/19/2018 20:15	425700	19.332	17.145	43.548	34895.98	41055.457	26.44	27.918	28.657	1.019
2/19/2018 20:30	426600	19.331	17.15	43.546	34921.535	41070.492	26.451	27.928	28.643	1.019
2/19/2018 20:45	427500	19.33	17.154	43.543	34873.734	41020.887	26.416	27.894	28.675	1.019
2/19/2018 21:00	428400	19.329	17.156	43.541	34901.098	41051.793	26.438	27.915	28.658	1.019
2/19/2018 21:15	429300	19.332	17.158	43.542	34891.852	41040.914	26.431	27.908	28.658	1.019
2/19/2018 21:30	430200	19.33	17.167	43.543	34908.973	41050.137	26.438	27.914	28.646	1.019
2/19/2018 21:45	431100	19.329	17.169	43.541	34899.922	41038.125	26.429	27.905	28.653	1.019
2/19/2018 22:00	432000	19.333	17.171	43.549	34897.09	41032.453	26.425	27.902	28.656	1.019

2/20/2018 15:30	495000	19.315	17.144	43.51	34812.047	40957.93	26.371	27.851	28.726	1.019
2/20/2018 15:45	495800	19.312	17.132	43.502	34814.813	40960.59	26.379	27.86	28.743	1.019
2/20/2018 16:00	496800	19.318	17.12	43.516	34757.469	40915.227	26.339	27.822	28.771	1.019
2/20/2018 16:15	497700	19.315	17.115	43.509	34756.785	40919.418	26.342	27.825	28.771	1.019
2/20/2018 16:30	498600	19.31	17.108	43.498	34737.828	40903.547	26.33	27.814	28.787	1.019
2/20/2018 16:45	499500	19.317	17.109	43.513	34732.961	40910.086	26.336	27.811	28.778	1.019
2/20/2018 17:00	500400	19.312	17.104	43.503	34755.352	40927.488	26.347	27.831	28.773	1.019
2/20/2018 17:15	501300	19.313	17.103	43.504	34752.227	40924.934	26.345	27.829	28.775	1.019
2/20/2018 17:30	502200	19.315	17.105	43.508	34744.063	40911.313	26.337	27.821	28.782	1.019
2/20/2018 17:45	503100	19.315	17.109	43.509	34725.914	40888.391	26.32	27.804	28.797	1.019
2/20/2018 18:00	504000	19.31	17.108	43.498	34748.219	40915.453	26.339	27.823	28.778	1.019
2/20/2018 18:15	504900	19.312	17.111	43.502	34751.621	40917.047	26.34	27.824	28.776	1.019
2/20/2018 18:30	505800	19.312	17.115	43.501	34748.84	40910.473	26.338	27.819	28.778	1.019
2/20/2018 18:45	506700	19.313	17.119	43.505	34744.266	40901.383	26.329	27.813	28.782	1.019
2/20/2018 19:00	507600	19.308	17.125	43.493	34770.309	40925.824	26.347	27.83	28.76	1.019
2/20/2018 19:15	508500	19.312	17.124	43.501	34748.922	40901.453	26.33	27.813	28.778	1.019
2/20/2018 19:30	509400	19.313	17.127	43.504	34765.488	40918.539	26.342	27.825	28.764	1.019
2/20/2018 19:45	510300	19.309	17.131	43.496	34756.375	40904.031	26.332	27.815	28.772	1.019
2/20/2018 20:00	511200	19.311	17.135	43.5	34761.617	40906.402	26.334	27.816	28.767	1.019
2/20/2018 20:15	512100	19.312	17.137	43.501	34755.852	40891.566	26.328	27.809	28.774	1.019
2/20/2018 20:30	513000	19.31	17.138	43.498	34781.855	40927.883	26.349	27.831	28.751	1.019
2/20/2018 20:45	513900	19.307	17.138	43.49	34773.707	40917.895	26.342	27.824	28.757	1.019
2/20/2018 21:00	514800	19.306	17.141	43.489	34786.352	40930.68	26.351	27.833	28.747	1.019
2/20/2018 21:15	515700	19.308	17.145	43.494	34774.371	40912.781	26.339	27.821	28.757	1.019
2/20/2018 21:30	516600	19.307	17.145	43.49	34780.758	40915.582	26.344	27.825	28.752	1.019
2/20/2018 21:45	517500	19.306	17.15	43.489	34762.039	40893.773	26.325	27.808	28.767	1.019
2/20/2018 22:00	518400	19.305	17.157	43.486	34796.641	40920.73	26.345	27.826	28.743	1.019
2/20/2018 22:15	519300	19.304	17.158	43.485	34762.301	40885.953	26.32	27.802	28.767	1.019
2/20/2018 22:30	520200	19.305	17.16	43.486	34800.996	40929.926	26.352	27.832	28.735	1.019
2/20/2018 22:45	521100	19.306	17.165	43.488	34791.02	40914.012	26.34	27.822	28.743	1.019
2/20/2018 23:00	522000	19.308	17.171	43.492	34782.584	40899.078	26.33	27.811	28.749	1.019
2/20/2018 23:15	522900	19.306	17.174	43.488	34796.598	40911.719	26.339	27.82	28.738	1.019
2/20/2018 23:30	523800	19.306	17.177	43.488	34802.328	40916.199	26.343	27.823	28.734	1.019
2/20/2018 23:45	524700	19.303	17.176	43.482	34789.383	40902.109	26.332	27.813	28.744	1.019
2/21/2018 0:00	525600	19.304	17.172	43.484	34785.969	40901.141	26.332	27.813	28.749	1.019
2/21/2018 0:15	526500	19.303	17.168	43.482	34776.75	40893.934	26.326	27.808	28.755	1.019
2/21/2018 0:30	527400	19.304	17.145	43.485	34762.996	40899	26.329	27.811	28.766	1.019
2/21/2018 0:45	528300	19.305	17.144	43.486	34778.371	40894.955	26.307	27.804	28.786	1.019
2/21/2018 1:00	529200	19.302	17.137	43.481	34748.273	40889.41	26.322	27.805	28.778	1.019
2/21/2018 1:15	530100	19.306	17.133	43.488	34731.023	40872.332	26.309	27.793	28.793	1.019
2/21/2018 1:30	531000	19.302	17.136	43.479	34732.457	40871.852	26.309	27.793	28.792	1.019
2/21/2018 1:45	531900	19.306	17.134	43.488	34721.101	40859.539	26.314	27.784	28.791	1.019
2/21/2018 2:00	532800	19.304	17.128	43.485	34684.805	40834.547	26.282	27.767	28.823	1.019
2/21/2018 2:15	533700	19.307	17.128	43.49	34711.203	40856.359	26.298	27.782	28.807	1.019
2/21/2018 2:30	534600	19.304	17.124	43.485	34698.453	40846.078	26.277	27.763	28.831	1.019
2/21/2018 2:45	535500	19.306	17.114	43.489	34691.633	40843.441	26.288	27.774	28.825	1.019
2/21/2018 3:00	536400	19.303	17.093	43.482	34673.574	40841.891	26.286	27.772	28.84	1.019
2/21/2018 3:15	537300	19.304	17.092	43.485	34679.879	40850.199	26.291	27.778	28.835	1.019
2/21/2018 3:30	538200	19.305	17.094	43.486	34658.085	40822.518	26.272	27.76	28.852	1.019
2/21/2018 3:45	539100	19.308	17.096	43.494	34660.746	40824.125	26.273	27.76	28.851	1.019
2/21/2018 4:00	540000	19.304	17.092	43.484	34667.793	40835.488	26.281	27.768	28.845	1.019
2/21/2018 4:15	540900	19.301	17.103	43.477	34764.402	40851.508	26.272	27.759	28.848	1.019
2/21/2018 4:30	541800	19.302	17.108	43.479	34704.58	40864.633	26.303	27.788	28.834	1.019
2/21/2018 4:45	542700	19.303	17.109	43.482	34688.52	40844.117	26.288	27.774	28.828	1.019
2/21/2018 5:00	543600	19.302	17.111	43.479	34695.051	40851.574	26.293	27.779	28.823	1.019
2/21/2018 5:15	544500	19.304	17.11	43.484	34703.788	40863.719	26.302	27.781	28.814	1.019
2/21/2018 5:30	545400	19.3	17.116	43.476	34731.484	40888.992	26.32	27.805	28.792	1.019
2/21/2018 5:45	546300	19.303	17.109	43.482	34733.652	40897.348	26.326	27.81	28.791	1.019
2/21/2018 6:00	547200	19.301	17.114	43.477	34739.195	40899.84	26.328	27.812	28.786	1.019
2/21/2018 6:15	548100	19.303	17.117	43.482	34748.93	40907.996	26.334	27.817	28.789	1.019
2/21/2018 6:30	549000	19.301	17.121	43.477	34728.711	40880.965	26.315	27.799	28.795	1.019
2/21/2018 6:45	549900	19.302	17.119	43.479	34732.973	40887.598	26.319	27.804	28.791	1.019
2/21/2018 7:00	550800	19.3	17.114	43.474	34739.227	40899.391	26.328	27.805	28.786	1.019
2/21/2018 7:15	551700	19.3	17.118	43.474	34745.395	40903.094	26.33	27.814	28.781	1.019
2/21/2018 7:30	552600	19.297	17.121	43.468	34756.824	40913.98	26.338	27.822	28.771	1.019
2/21/2018 7:45	553500	19.299	17.123	43.472	34754.898	40910.102	26.336	27.819	28.773	1.019
2/21/2018 8:00	554400	19.303	17.113	43.481	34747.395	40908.73	26.333	27.815	28.779	1.019
2/21/2018 8:15	555300	19.296	17.118	43.467	34762.82	40923.777	26.345	27.828	28.766	1.019
2/21/2018 8:30	556200	19.302	17.122	43.479	34767.094	40925.109	26.346	27.829	28.763	1.019
2/21/2018 8:45	557100	19.3	17.126	43.476	34773.098	40932.414	26.355	27.833	28.768	1.019
2/21/2018 9:00	558000	19.296	17.121	43.467	34768.77	40928.043	26.348	27.831	28.761	1.019
2/21/2018 9:15	558900	19.298	17.12	43.471	34786.535	40950.004	26.364	27.846	28.747	1.019
2/21/2018 9:30	559800	19.299	17.128	43.472	34801.301	40959.633	26.371	27.853	28.735	1.019
2/21/2018 9:45	560700	19.3	17.129	43.476	34814.672	40974.488	26.382	27.863	28.728	1.019
2/21/2018 10:00	561600	19.298	17.128	43.47	34781.73	40936.855	26.355	27.837	28.751	1.019
2/21/2018 10:15	562500	19.298	17.12	43.47	34804.859	40971.25	26.379	27.86	28.732	1.019
2/21/2018 10:30	563400	19.298	17.13	43.467	34783.477	40937.293	26.355	27.837	28.748	1.019
2/21/2018 10:45	564300	19.299	17.13	43.473	34804.961	40962.328	26.373	27.854	28.732	1.019
2/21/2018 11:00	565200	19.296	17.124	43.466	34785.645	40945.402	26.361	27.843	28.747	1.019
2/21/2018 11:15	566100	19.3	17.132	43.475	34794.148	40947.508	26.363	27.844	28.74	1.019
2/21/2018 11:30	567000	19.294	17.134	43.463	34809.371	40963.969	26.375	27.856	28.738	1.019
2/21/2018 11:45	567900	19.296	17.137	43.466	34796.566	40954.922	26.362	27.843	28.738	1.019
2/21/2018 12:00	568800	19.298	17.141	43.47	34821.465	40973.621	26.382	27.862	28.716	1.019
2/21/2018 12:15	569700	19.294	17.141	43.463	34811.43	40959.527	26.372	27.852	28.726	1.019
2/21/2018 12:30	570600	19.3	17.145	43.476	34827.219	40975.121	26.383	27.863	28.713	1.019
2/21/2018 12:45	571500	19.299	17.15	43.472	34818.289	40959.383	26.372	27.852	28.721	1.019
2/21/2018 13:00	572400	19.294	17.147	43.463	34829.16	40975.32	26.383	27.863	28.712	1.019
2/21/2018 13:15	573300	19.296	17.154	43.466	34830.008	40970.105	26.38	27.86	28.711	1.019
2/21/2018 13:30	574200	19.296	17.16	43.466	34852.402	40990.063	26.395	27.873	28.692	1.019
2/21/2018 13:										

Report Date: 2/23/2018 14:43
Report User Name: AVianHaltma
Report Computer Name: WST34
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties
File Name MPWSP MW-4D LT TEST_2018-02-22_16-36-53-198.wld
Create Date 2/22/2018 16:36

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: 19.4579 (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 Log Download - 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: AVianHaltma Interval - Start Time: 10/4/2017 10:00:00 PM Stop Time: 10/12/2017 11:45:00 AM
10/19/2017 8:02 Log Download - Used Battery: 8% Used Memory: 4% User Name: AVianHaltma Interval - Start Time: 10/17/2017 10:00:00 PM Stop Time: 10/19/2017 6:15:00 PM
10/26/2017 17:45 Log Download - Used Battery: 9% Used Memory: 6% User Name: WMassoll Interval - Start Time: 10/18/2017 10:00:00 PM Stop Time: 10/26/2017 6:45:00 PM
11/2/2017 19:02 Log Download - Used Battery: 9% Used Memory: 6% User Name: WMassoll Interval - Start Time: 9/30/2017 10:00:00 PM Stop Time: 11/2/2017 8:00:00 PM
11/9/2017 17:53 Log Download - Used Battery: 9% Used Memory: 7% User Name: AVianHaltma Interval - Start Time: 11/1/2017 10:00:00 PM Stop Time: 11/9/2017 7:45:00 PM
11/16/2017 17:24 Log Download - Used Battery: 11% Used Memory: 7% User Name: WMassoll Interval - Start Time: 11/8/2017 10:00:00 PM Stop Time: 11/16/2017 6:15:00 PM
11/23/2017 14:14 Log Download - Used Battery: 10% Used Memory: 9% User Name: AVianHaltma Interval - Start Time: 11/15/2017 10:00:00 PM Stop Time: 11/23/2017 3:00:00 PM
12/1/2017 9:48 Log Download - Used Battery: 11% Used Memory: 9% User Name: AVianHaltma Interval - Start Time: 10/31/2017 10:00:00 PM Stop Time: 12/1/2017 10:45:00 AM
12/4/2017 18:08 Log Download - Used Battery: 11% Used Memory: 10% User Name: WMassoll Interval - Start Time: 12/4/2017 10:00:00 PM Stop Time: 12/7/2017 6:45:00 PM
12/14/2017 17:08 Log Download - Used Battery: 13% Used Memory: 15% User Name: WMassoll Interval - Start Time: 1/10/2018 10:00:00 PM Stop Time: 1/18/2018 2:45:00 PM
12/21/2017 7:00 Log Download - Used Battery: 12% Used Memory: 12% User Name: AVianHaltma Interval - Start Time: 12/13/2017 10:00:00 PM Stop Time: 12/21/2017 6:00:00 PM
1/4/2018 17:57 Log Download - Used Battery: 12% Used Memory: 14% User Name: WMassoll Interval - Start Time: 11/30/2017 10:00:00 PM Stop Time: 1/4/2018 6:45:00 PM
1/11/2018 7:35 Log Download - Used Battery: 13% Used Memory: 14% User Name: AVianHaltma Interval - Start Time: 1/3/2018 10:00:00 PM Stop Time: 1/11/2018 9:30:00 AM
1/18/2018 14:02 Log Download - Used Battery: 13% Used Memory: 15% User Name: WMassoll Interval - Start Time: 1/10/2018 10:00:00 PM Stop Time: 1/18/2018 2:45:00 PM
1/26/2018 17:42 Log Download - Used Battery: 13% Used Memory: 15% User Name: WMassoll Interval - Start Time: 1/17/2018 10:00:00 PM Stop Time: 1/26/2018 6:30:00 PM
2/2/2018 14:49 Log Download - Used Battery: 14% Used Memory: 17% User Name: WMassoll Interval - Start Time: 12/31/2017 10:00:00 PM Stop Time: 2/2/2018 3:45:00 PM
2/8/2018 8:03 Log Download - Used Battery: 14% Used Memory: 17% User Name: AVianHaltma Interval - Start Time: 1/31/2018 10:00:00 PM Stop Time: 2/8/2018 9:00:00 AM
2/15/2018 7:41 Log Download - Used Battery: 14% Used Memory: 18% User Name: AVianHaltma Interval - Start Time: 2/7/2018 10:00:00 PM Stop Time: 2/15/2018 6:30:00 PM
2/22/2018 16:35 Log Download - Used Battery: 15% Used Memory: 18% User Name: WMassoll Interval - Start Time: 2/14/2018 10:00:00 PM Stop Time: 2/22/2018 5:30:00 PM

Log Data:
Record Count 747
Sensors 1
1 483442 PCTD 300 PSIG (211m/692ft)

Time Zone: Pacific Standard Time

Date and Time	Elapsed Time Seconds	Sensor: PCTD(G) 692ft SNR: 483442	Sensor: PCTD(G) 692ft SNR: 483442	Sensor: PCTD(G) 692ft SNR: 483442	Sensor: PCTD(G) 692ft SNR: 483442	Sensor: PCTD(G) 692ft SNR: 483442	Sensor: PCTD(G) 692ft SNR: 483442	Sensor: PCTD(G) 692ft SNR: 483442	Sensor: PCTD(G) 692ft SNR: 483442	Sensor: PCTD(G) 692ft SNR: 483442
		Pressure (PSI)	Temperature (C)	Depth (ft)	Actual Conductivity (uS)	Specific Conductivity (uS)	Salinity (PSU)	Total Dissolved Solids (ppt)	Resistivity (ohm-cm)	Water Density (g/cm3)
2/15/2018 0:00	7200	120.241	20.389	270.854	38332.867	42034.629	27.276	28.584	26.087	1.019
2/15/2018 0:15	8130	120.238	20.391	270.849	38330.684	42030.77	27.274	28.581	26.089	1.019
2/15/2018 0:30	9000	120.241	20.391	270.854	38344.773	42046.383	27.285	28.592	26.079	1.019
2/15/2018 0:45	9900	120.232	20.391	270.834	38345.453	42017.348	27.286	28.592	26.079	1.019
2/15/2018 1:00	10800	120.219	20.39	270.804	38321.313	42021.574	27.267	28.575	26.095	1.019
2/15/2018 1:15	11700	120.213	20.39	270.79	38315.766	42015.641	27.263	28.571	26.099	1.019
2/15/2018 1:30	12600	120.205	20.392	270.774	38317.695	42017.613	27.279	28.586	26.084	1.019
2/15/2018 1:45	13500	120.201	20.393	270.763	38347.254	42047.388	27.286	28.592	26.077	1.019
2/15/2018 2:00	14400	120.186	20.394	270.73	38346.262	42045.465	27.284	28.591	26.078	1.019
2/15/2018 2:15	15300	120.177	20.393	270.711	38340.277	42039.363	27.28	28.587	26.082	1.019
2/15/2018 2:30	16200	120.173	20.391	270.701	38334.57	42043.655	27.283	28.59	26.079	1.019
2/15/2018 2:45	17100	120.158	20.391	270.667	38309.047	42006.727	27.256	28.565	26.103	1.015
2/15/2018 3:00	18000	120.157	20.391	270.665	38347.563	42048.961	27.287	28.593	26.077	1.019
2/15/2018 3:15	18900	120.143	20.392	270.635	38347.719	42048.84	27.287	28.593	26.077	1.019
2/15/2018 3:30	19800	120.133	20.392	270.612	38356.867	42058.707	27.294	28.6	26.071	1.019
2/15/2018 3:45	20700	120.125	20.392	270.594	38323.938	42022.762	27.268	28.575	26.093	1.015
2/15/2018 4:00	21600	120.117	20.391	270.575	38326.008	42026.023	27.27	28.578	26.092	1.019
2/15/2018 4:15	22500	120.112	20.39	270.565	38361.273	42065.543	27.299	28.605	26.068	1.019
2/15/2018 4:30	23400	120.108	20.391	270.555	38314.977	42013.473	27.261	28.569	26.099	1.019
2/15/2018 4:45	24300	120.109	20.392	270.558	38364.199	42066.445	27.299	28.605	26.066	1.019
2/15/2018 5:00	25200	120.114	20.39	270.569	38334.871	42036.055	27.277	28.585	26.086	1.019
2/15/2018 5:15	26100	120.118	20.39	270.578	38338.742	42040.535	27.281	28.588	26.083	1.019
2/15/2018 5:30	27000	120.122	20.392	270.585	38352.617	42054.285	27.291	28.597	26.074	1.019
2/15/2018 5:45	27900	120.13	20.392	270.604	38349.211	42050.238	27.288	28.594	26.076	1.019
2/15/2018 6:00	28800	120.132	20.391	270.61	38347.703	42049.117	27.287	28.593	26.077	1.019
2/15/2018 6:15	29700	120.142	20.392	270.631	38363.199	42065.348	27.299	28.604	26.067	1.019
2/15/2018 6:30	30600	120.157	20.391	270.665	38324.98	42025.154	27.277	28.584	26.086	1.019
2/15/2018 6:45	31500	120.167	20.394	270.687	38380.973	42083.297	27.312	28.617	26.055	1.015
2/15/2018 7:00	32400	120.187	20.393	270.734	38337.324	42079.91	27.309	28.614	26.057	1.019
2/15/2018 7:15	33300	120.207	20.393	270.778	38337.703	42036.391	27.278	28.585	26.084	1.019
2/15/2018 7:30	34200	120.21	20.392	270.784	38344.707	42045.227	27.284	28.591	26.079	1.019
2/15/2018 7:45	35100	120.233	20.394	270.836	38326.914	42023.641	27.269	28.576	26.091	1.019
2/15/2018 8:00	36000	120.24	20.392	270.853	38316.598	42014.551	27.262	28.57	26.098	1.019
2/15/2018 8:15	36900	120.266	20.392	270.911	38299.977	41995.789	27.248	28.557	26.11	1.019
2/15/2018 8:30	37800	120.306	20.392	271.046	38302.84	41999.316	27.262	28.568	26.094	1.019
2/15/2018 8:45	38700	120.297	20.391	270.98	38284.723	41980.535	27.237	28.547	26.12	1.019
2/15/2018 9:00	39600	120.304	20.392	270.997	38311.445	42008.902	27.258	28.566	26.102	1.019
2/15/2018 9:15	40500	120.337	20.392	271.027	38324.254	42023.399	27.268	28.576	26.093	1.019
2/15/2018 9:30	41400	120.342	20.393	271.082	38307.363	42003.582	27.254	28.562	26.105	1.015
2/15/2018 9:45	42300	120.343	20.393	271.084	38308.094	42004.461	27.255	28.563	26.104	1.019
2/15/2018 10:00	43200	120.364	20.394	271.132	38324.316	42021.016	27.267	28.574	26.093	1.019
2/15/2018 10:15	44100	120.367	20.393	271.139	38334.141	42032.941	27.275	28.582	26.084	1.019
2/15/2018 10:30	45000	120.374	20.393	271.154	38305.805	42001.797	27.253	28.561	26.106	1.015
2/15/2018 10:45	45900	120.371	20.394	271.148	38313.715	42009.699	27.259	28.567	26.1	1.019
2/15/2018 11:00	46800	120.375	20.395	271.157	38353.883	42052.441	27.289	28.596	26.073	1.019
2/15/2018 11:15	47700	120.368	20.396	271.141	38336.254	42023.336	27.275	28.582	26.093	1.019
2/15/2018 11:30	48600	120.373	20.396	271.129	38321.402	42016.516	27.264	28.571	26.095	1.019
2/15/2018 11:45	49500	120.36	20.395	271.122	38328.68	42024.805	27.269	28.577	26.09	1.019
2/15/2018 12:00	50400	120.341	20.395	271.08	38345.133	42022.415	27.282	28.589	26.079	1.019
2/15/2018 12:15	51300	120.329	20.395	271.053	38322.824	42018.914	27.265	28.573	26.094	1.019
2/15/2018 12:30	52200	120.308	20.394	271.005	38305.895	42000.594	27.252	28.56	26.106	1.019
2/15/2018 12:45	53100	120.291	20.395	270.968	38301.398	41994.664	27.248	28.556	26.109	1.019
2/15/2018 13:00	54000	120.272	20.393	270.924	38324.566	42022.215	27.268	28.575	26.093	1.019
2/15/2018 13:15	54900	120.244	20.395	270.862	38327.543	42023.402	27.268	28.576	26.091	1.019
2/15/2018 13:30	55800	120.219	20.395	270.804	38323.535	42019.785	27.266	28.573	26.094	1.019
2/15/2018 13:45	56700	120.191	20.395	270.743	38345.152	42043.094	27.283	28.589	26.079	1.019
2/15/2018 14:00	57600	120.162	20.395	270.678	38321.77	42017	27.264	28.572	26.095	1.019
2/15/2018 14:15	58500	120.143	20.394	270.635	38333.414	42031.379	27.274	28.581	26.087	1.019

2/15/2018 14:30	59400	120.108	20.394	270.555	38295.195	41988.785	27.243	28.552	26.113	1.019
2/15/2018 14:45	60300	120.082	20.392	270.497	38314.953	42012.676	27.261	28.549	26.099	1.019
2/15/2018 15:00	61200	120.054	20.393	270.434	38328.773	42036.75	27.271	28.578	26.079	1.019
2/15/2018 15:15	62100	120.027	20.393	270.372	38321.738	42019.195	27.265	28.573	26.095	1.019
2/15/2018 15:30	63000	119.998	20.394	270.307	38314.289	42010.41	27.259	28.567	26.1	1.019
2/15/2018 15:45	63900	119.973	20.393	270.245	38299.801	42018.098	27.263	28.549	26.087	1.019
2/15/2018 16:00	64800	119.948	20.392	270.185	38305.223	42011.855	27.253	28.561	26.106	1.019
2/15/2018 16:15	65700	119.933	20.392	270.161	38321.637	42020.156	27.266	28.574	26.095	1.019
2/15/2018 16:30	66600	119.911	20.391	270.111	38327.281	42027.422	27.271	28.579	26.091	1.019
2/15/2018 16:45	67500	119.893	20.392	270.037	38324.082	42039.398	27.244	28.553	26.109	1.019
2/15/2018 17:00	68400	119.879	20.389	270.04	38305.242	42004.254	27.254	28.563	26.106	1.019
2/15/2018 17:15	69300	119.871	20.393	270.022	38311.648	42007.75	27.257	28.565	26.102	1.019
2/15/2018 17:30	70200	119.856	20.392	269.988	38310.602	42029.988	27.273	28.58	26.089	1.019
2/15/2018 17:45	71100	119.84	20.391	269.951	38310.168	42007.5	27.257	28.565	26.103	1.019
2/15/2018 18:00	72000	119.841	20.394	269.954	38278.293	41970.785	27.23	28.54	26.124	1.019
2/15/2018 18:15	72900	119.828	20.391	269.923	38292.57	41989.211	27.244	28.553	26.115	1.019
2/15/2018 18:30	73800	119.829	20.392	269.928	38292.848	41987.973	27.243	28.552	26.115	1.019
2/15/2018 18:45	74700	119.841	20.39	269.954	38312.387	42011.527	27.26	28.568	26.105	1.019
2/15/2018 19:00	75600	119.835	20.392	269.941	38305.422	42002.461	27.253	28.562	26.106	1.019
2/15/2018 19:15	76500	119.85	20.39	269.974	38297.461	41995.348	27.248	28.557	26.111	1.019
2/15/2018 19:30	77400	119.859	20.389	269.994	38323.449	42024.301	27.269	28.577	26.094	1.019
2/15/2018 19:45	78300	119.867	20.389	270.012	38312.375	42012.473	27.26	28.568	26.101	1.019
2/15/2018 20:00	79200	119.888	20.389	270.06	38309.625	42009.141	27.258	28.566	26.103	1.019
2/15/2018 20:15	80100	119.9	20.389	270.086	38294.813	41993.512	27.247	28.556	26.113	1.019
2/15/2018 20:30	81000	119.921	20.389	270.134	38326.852	42027.953	27.272	28.579	26.091	1.019
2/15/2018 20:45	81900	119.937	20.39	270.17	38321.68	42021.934	27.268	28.576	26.094	1.019
2/15/2018 21:00	82800	119.949	20.388	270.197	38308.715	42009.605	27.258	28.557	26.104	1.019
2/15/2018 21:15	83700	119.981	20.387	270.268	38288.016	41987.137	27.242	28.551	26.118	1.019
2/15/2018 21:30	84600	119.989	20.389	270.286	38294.137	41992.473	27.246	28.555	26.114	1.019
2/15/2018 21:45	85500	119.988	20.388	270.329	38335.363	42018.828	27.279	28.566	26.109	1.019
2/15/2018 22:00	86400	120.033	20.388	270.386	38308.852	42008.852	27.258	28.566	26.104	1.019
2/15/2018 22:15	87300	120.046	20.389	270.416	38302.012	42001.027	27.252	28.561	26.108	1.019
2/15/2018 22:30	88200	120.038	20.389	270.456	38336.902	42040.516	27.281	28.568	26.099	1.019
2/15/2018 22:45	89100	120.083	20.388	270.458	38307.813	42007.617	27.257	28.565	26.104	1.019
2/15/2018 23:00	90000	120.083	20.388	270.498	38334.172	42037.441	27.278	28.585	26.086	1.019
2/15/2018 23:15	90900	120.101	20.389	270.539	38300.434	41999.602	27.251	28.56	26.109	1.019
2/15/2018 23:30	91800	120.115	20.389	270.571	38307.301	42006.544	27.256	28.564	26.105	1.019
2/15/2018 23:45	92700	120.119	20.39	270.581	38317.637	42017.156	27.264	28.572	26.098	1.019
2/16/2018 0:00	93600	120.114	20.392	270.569	38298.574	41994.715	27.248	28.556	26.111	1.019
2/16/2018 0:15	94500	120.119	20.392	270.581	38320.191	42018.027	27.264	28.572	26.096	1.019
2/16/2018 0:30	95400	120.119	20.392	270.581	38342.508	42021.934	27.268	28.589	26.094	1.019
2/16/2018 0:45	96300	120.121	20.389	270.583	38318.176	42018.52	27.265	28.573	26.097	1.019
2/16/2018 1:00	97200	120.123	20.392	270.59	38322.289	42020.953	27.267	28.574	26.094	1.019
2/16/2018 1:15	98100	120.122	20.39	270.585	38329.879	42010.891	27.274	28.581	26.089	1.019
2/16/2018 1:30	99000	120.111	20.392	270.562	38315.465	42011.234	27.261	28.569	26.105	1.019
2/16/2018 1:45	99900	120.108	20.391	270.555	38309.277	42007.375	27.257	28.565	26.103	1.019
2/16/2018 2:00	100800	120.1	20.39	270.536	38346.73	42049.137	27.287	28.593	26.078	1.019
2/16/2018 2:15	101700	120.08	20.391	270.491	38319.883	42018.691	27.265	28.573	26.096	1.019
2/16/2018 2:30	102600	120.075	20.392	270.482	38341.332	42041.063	27.28	28.588	26.091	1.019
2/16/2018 2:45	103500	120.064	20.392	270.455	38336.16	42036.238	27.278	28.585	26.085	1.019
2/16/2018 3:00	104400	120.041	20.392	270.405	38346.742	42047.141	27.285	28.592	26.078	1.019
2/16/2018 3:15	105300	120.043	20.39	270.408	38345.879	42047.981	27.286	28.593	26.078	1.019
2/16/2018 3:30	106200	120.029	20.391	270.378	38306.195	42003.77	27.254	28.567	26.107	1.019
2/16/2018 3:45	107100	120.026	20.392	270.37	38306.512	42003.418	27.254	28.562	26.105	1.019
2/16/2018 4:00	108000	120.013	20.393	270.342	38318.355	42017.801	27.279	28.586	26.084	1.019
2/16/2018 4:15	108900	120	20.392	270.311	38298.918	41994.965	27.248	28.557	26.11	1.019
2/16/2018 4:30	109800	119.998	20.392	270.307	38315.883	42011.23	27.261	28.569	26.099	1.019
2/16/2018 4:45	110700	119.985	20.392	270.279	38314.84	42012.703	27.261	28.569	26.1	1.019
2/16/2018 5:00	111600	119.993	20.392	270.296	38321.855	42020.48	27.266	28.574	26.095	1.019
2/16/2018 5:15	112500	119.998	20.391	270.307	38321.125	42020.523	27.264	28.574	26.095	1.019
2/16/2018 5:30	113400	119.986	20.391	270.281	38344.305	42045.316	27.284	28.591	26.079	1.019
2/16/2018 5:45	114300	119.994	20.392	270.298	38326.281	42024.949	27.269	28.577	26.092	1.019
2/16/2018 6:00	115200	120.003	20.39	270.319	38331.73	42032.38	27.275	28.582	26.088	1.019
2/16/2018 6:15	116100	120.005	20.392	270.322	38357.934	42060.268	27.295	28.601	26.079	1.019
2/16/2018 6:30	117000	120.004	20.392	270.32	38341.684	42041.52	27.281	28.588	26.081	1.019
2/16/2018 6:45	117900	120.017	20.39	270.35	38292.758	41990.191	27.244	28.553	26.115	1.019
2/16/2018 7:00	118800	120.032	20.392	270.357	38331.191	42030.555	27.274	28.581	26.088	1.019
2/16/2018 7:15	119700	120.043	20.392	270.408	38344.445	42031.656	27.276	28.589	26.083	1.019
2/16/2018 7:30	120600	120.058	20.389	270.441	38350.879	42043.301	27.291	28.597	26.075	1.019
2/16/2018 7:45	121500	120.067	20.39	270.463	38310.512	42009.262	27.258	28.566	26.102	1.019
2/16/2018 8:00	122400	120.091	20.39	270.517	38299.656	41997.977	27.25	28.559	26.11	1.019
2/16/2018 8:15	123300	120.101	20.389	270.543	38321.492	42012.391	27.268	28.575	26.099	1.019
2/16/2018 8:30	124200	120.119	20.388	270.581	38313.234	42014.094	27.262	28.57	26.101	1.019
2/16/2018 8:45	125100	120.141	20.387	270.628	38349.199	42054.23	27.29	28.597	26.076	1.019
2/16/2018 9:00	126000	120.16	20.387	270.671	38338.168	42042.133	27.282	28.589	26.084	1.019
2/16/2018 9:15	126900	120.184	20.386	270.726	38339.625	42041.031	27.282	28.589	26.083	1.019
2/16/2018 9:30	127800	120.186	20.387	270.73	38293.918	41994.227	27.247	28.556	26.114	1.019
2/16/2018 9:45	128700	120.211	20.386	270.786	38328.465	42032.266	27.275	28.582	26.09	1.019
2/16/2018 10:00	129600	120.223	20.388	270.813	38340.285	42043.609	27.283	28.59	26.082	1.019
2/16/2018 10:15	130500	120.244	20.388	270.862	38329.762	42032.762	27.275	28.582	26.09	1.019
2/16/2018 10:30	131400	120.248	20.388	270.87	38307.074	42007.031	27.256	28.565	26.105	1.019
2/16/2018 10:45	132300	120.259	20.39	270.894	38346.398	42048.613	27.286	28.593	26.078	1.019
2/16/2018 11:00	133200	120.263	20.389	270.905	38349.758	42051.348	27.29	28.596	26.079	1.019
2/16/2018 11:15	134100	120.259	20.39	270.894	38328.996	42029.926	27.273	28.58	26.09	1.019
2/16/2018 11:30	135000	120.271	20.391	270.921	38352.004	42053.684	27.29	28.597	26.074	1.019
2/16/2018 11:45	135900	120.275	20.393	270.931	38349.887	42050.445	27.288	28.594	26.076	1.019
2/16/2018 12:00	136800	120.26	20.393	270.898	38341.609	42046.984	27.281	28.588	26.08	1.019
2/16/2018 12:15	137700	120.257	20.392	270.89	38344.453	42045.332	27.284	28.591	26.079	1.019
2/16/2018 12:30										

2/17/2018 4:45	197100	119.91	20.39	270.108	38350.34	42053.332	27.29	28.596	26.075	1.019
2/17/2018 5:00	198000	119.901	20.39	270.089	38366.473	42070.785	27.302	28.608	26.084	1.019
2/17/2018 5:15	198900	119.888	20.39	270.062	38348.387	42050.793	27.288	28.595	26.077	1.019
2/17/2018 5:30	199800	119.894	20.389	270.072	38344.52	42047.324	27.286	28.592	26.079	1.019
2/17/2018 5:45	200700	119.887	20.391	270.057	38348.453	42050.566	27.288	28.594	26.077	1.019
2/17/2018 6:00	201600	119.877	20.391	270.035	38352.164	42022.149	27.285	28.579	26.084	1.019
2/17/2018 6:15	202500	119.883	20.391	270.049	38357.648	42060.457	27.295	28.601	26.07	1.019
2/17/2018 6:30	203400	119.885	20.389	270.052	38340.828	42043.203	27.283	28.589	26.082	1.019
2/17/2018 6:45	204300	119.887	20.389	270.057	38346.969	42050.012	27.287	28.594	26.078	1.019
2/17/2018 7:00	205200	119.897	20.391	270.081	38380.418	42084.914	27.313	28.618	26.055	1.019
2/17/2018 7:15	206100	119.898	20.39	270.083	38358.555	42062.023	27.296	28.602	26.07	1.019
2/17/2018 7:30	207000	119.901	20.39	270.089	38320.207	42020.363	27.266	28.574	26.096	1.019
2/17/2018 7:45	207900	119.927	20.391	270.147	38373.262	42077.535	27.307	28.613	26.06	1.019
2/17/2018 8:00	208800	119.938	20.39	270.157	38347.711	42050.133	27.288	28.604	26.077	1.019
2/17/2018 8:15	209700	119.939	20.389	270.174	38343.457	42046.086	27.285	28.591	26.08	1.019
2/17/2018 8:30	210600	119.966	20.389	270.235	38353.133	42037.262	27.278	28.585	26.086	1.019
2/17/2018 8:45	211500	119.978	20.388	270.262	38374.602	42081.313	27.31	28.615	26.059	1.019
2/17/2018 9:00	212400	119.993	20.388	270.296	38359.893	42055.719	27.295	28.605	26.069	1.019
2/17/2018 9:15	213300	119.993	20.391	270.296	38338.012	42039.188	27.28	28.587	26.084	1.019
2/17/2018 9:30	214200	120.027	20.39	270.372	38356.664	42059.949	27.295	28.601	26.071	1.019
2/17/2018 9:45	215100	120.043	20.389	270.408	38345.469	42048.984	27.287	28.593	26.079	1.019
2/17/2018 10:00	216000	120.06	20.388	270.448	38360.648	42055.859	27.299	28.605	26.068	1.019
2/17/2018 10:15	216900	120.075	20.39	270.48	38349.266	42052.152	27.289	28.595	26.076	1.019
2/17/2018 10:30	217800	120.088	20.39	270.51	38368.258	42072.5	27.304	28.609	26.063	1.019
2/17/2018 10:45	218700	120.094	20.39	270.523	38341.684	42043.758	27.283	28.59	26.081	1.019
2/17/2018 11:00	219600	120.076	20.39	270.482	38396.348	42101.387	27.326	28.634	26.044	1.019
2/17/2018 11:15	220500	120.112	20.391	270.565	38389.328	42095.238	27.32	28.625	26.049	1.019
2/17/2018 11:30	221400	120.118	20.394	270.578	38384.852	42087.699	27.315	28.62	26.052	1.019
2/17/2018 11:45	222300	120.122	20.392	270.587	38385	42092.93	27.318	28.623	26.049	1.019
2/17/2018 12:00	223200	120.125	20.392	270.594	38362.047	42064.238	27.298	28.604	26.057	1.019
2/17/2018 12:15	224100	120.123	20.391	270.59	38357.184	42060.063	27.295	28.601	26.071	1.019
2/17/2018 12:30	225000	120.125	20.393	270.592	38368.727	42070.715	27.302	28.608	26.063	1.019
2/17/2018 12:45	225900	120.106	20.393	270.551	38366.244	42068.18	27.301	28.605	26.069	1.019
2/17/2018 13:00	226800	120.094	20.393	270.523	38408.633	42114.621	27.334	28.638	26.056	1.019
2/17/2018 13:15	227700	120.083	20.394	270.498	38373.102	42074.586	27.305	28.611	26.06	1.019
2/17/2018 13:30	228600	120.07	20.393	270.469	38400.75	42105.445	27.328	28.632	26.041	1.019
2/17/2018 13:45	229500	120.044	20.395	270.411	38380.059	42081.672	27.31	28.615	26.059	1.019
2/17/2018 14:00	230400	120.037	20.395	270.395	38403.816	42107.719	27.329	28.633	26.039	1.019
2/17/2018 14:15	231300	120.017	20.393	270.35	38365.105	42067.129	27.3	28.606	26.065	1.019
2/17/2018 14:30	232200	119.987	20.394	270.283	38370.207	42071.414	27.303	28.609	26.062	1.019
2/17/2018 14:45	233100	119.964	20.393	270.232	38380.521	42086.031	27.312	28.617	26.044	1.019
2/17/2018 15:00	234000	119.938	20.394	270.172	38381.52	42086.164	27.314	28.619	26.053	1.019
2/17/2018 15:15	234900	119.904	20.394	270.096	38408.438	42113.25	27.333	28.637	26.036	1.019
2/17/2018 15:30	235800	119.874	20.394	270.027	38387.094	42087.547	27.316	28.621	26.05	1.019
2/17/2018 15:45	236700	119.855	20.394	270.985	38374.031	42075.996	27.306	28.612	26.059	1.019
2/17/2018 16:00	237600	119.825	20.392	269.917	38371.863	42075.23	27.306	28.611	26.061	1.019
2/17/2018 16:15	238500	119.81	20.393	269.884	38396.879	42101.895	27.325	28.629	26.044	1.019
2/17/2018 16:30	239400	119.784	20.394	269.826	38386.332	42088.789	27.316	28.62	26.051	1.019
2/17/2018 16:45	240300	119.76	20.393	269.77	38394.512	42099.117	27.322	28.627	26.049	1.019
2/17/2018 17:00	241200	119.729	20.394	269.701	38371.449	42073.082	27.304	28.61	26.061	1.019
2/17/2018 17:15	242100	119.712	20.39	269.664	38343.969	42046.266	27.285	28.591	26.08	1.019
2/17/2018 17:30	243000	119.693	20.391	269.621	38398.555	42104.727	27.327	28.631	26.043	1.019
2/17/2018 17:45	243900	119.68	20.389	269.59	38394.992	42102.565	27.325	28.63	26.049	1.019
2/17/2018 18:00	244800	119.658	20.392	269.541	38373.656	42077.195	27.307	28.612	26.06	1.019
2/17/2018 18:15	245700	119.647	20.391	269.517	38396.336	42096.336	27.321	28.626	26.048	1.019
2/17/2018 18:30	246600	119.645	20.393	269.513	38353.984	42056.246	27.292	28.598	26.057	1.019
2/17/2018 18:45	247500	119.652	20.391	269.528	38375.18	42080.656	27.31	28.635	26.058	1.019
2/17/2018 19:00	248400	119.633	20.391	269.484	38386.316	42092.156	27.318	28.623	26.051	1.019
2/17/2018 19:15	249300	119.637	20.39	269.493	38354.871	42057.984	27.293	28.599	26.072	1.019
2/17/2018 19:30	250200	119.641	20.39	269.504	38354.477	42055.707	27.291	28.597	26.079	1.019
2/17/2018 19:45	251100	119.644	20.389	269.509	38373.059	42078.699	27.308	28.614	26.06	1.019
2/17/2018 20:00	252000	119.638	20.388	269.531	38373.129	42079.625	27.309	28.614	26.06	1.019
2/17/2018 20:15	252900	119.666	20.39	269.559	38367.023	42071.082	27.303	28.608	26.064	1.019
2/17/2018 20:30	253800	119.669	20.391	269.566	38367.934	42071.223	27.303	28.608	26.064	1.019
2/17/2018 20:45	254700	119.683	20.393	269.598	38370.016	42072.277	27.304	28.609	26.062	1.019
2/17/2018 21:00	255600	119.7	20.393	269.636	38334.246	42033.059	27.275	28.582	26.086	1.019
2/17/2018 21:15	256500	119.723	20.39	269.687	38359.832	42063.504	27.297	28.603	26.069	1.019
2/17/2018 21:30	257400	119.739	20.392	269.725	38375.98	42080.46	27.309	28.615	26.049	1.019
2/17/2018 21:45	258300	119.761	20.393	269.773	38369.715	42075.109	27.306	28.611	26.062	1.019
2/17/2018 22:00	259200	119.779	20.391	269.814	38372.117	42076.055	27.306	28.612	26.061	1.019
2/17/2018 22:15	260100	119.796	20.39	269.852	38418.105	42117.863	27.344	28.647	26.029	1.019
2/17/2018 22:30	261000	119.816	20.39	269.896	38365.156	42069.652	27.302	28.61	26.059	1.019
2/17/2018 22:45	261900	119.829	20.39	269.926	38369.324	42077.906	27.304	28.61	26.062	1.019
2/17/2018 23:00	262800	119.864	20.392	270.006	38364.176	42066.574	27.299	28.605	26.066	1.019
2/17/2018 23:15	263700	119.886	20.392	270.009	38367.984	42070.824	27.303	28.608	26.063	1.019
2/17/2018 23:30	264600	119.889	20.39	270.062	38360.551	42067.574	27.322	28.626	26.049	1.019
2/17/2018 23:45	265500	119.894	20.39	270.074	38360.457	42064.5	27.298	28.604	26.069	1.019
2/18/2018 0:00	266400	119.919	20.39	270.129	38360.613	42064.82	27.298	28.604	26.068	1.019
2/18/2018 0:15	267300	119.922	20.39	270.136	38381.84	42087.395	27.314	28.619	26.054	1.019
2/18/2018 0:30	268200	119.931	20.391	270.156	38364.73	42080.717	27.31	28.616	26.054	1.019
2/18/2018 0:45	269100	119.939	20.392	270.174	38387.309	42092.324	27.318	28.623	26.05	1.019
2/18/2018 1:00	270000	119.945	20.391	270.188	38355.285	42058.676	27.294	28.6	26.072	1.019
2/18/2018 1:15	270900	119.947	20.393	270.193	38409.32	42117.214	27.336	28.64	26.04	1.019
2/18/2018 1:30	271800	119.94	20.392	270.177	38417.73	42125.684	27.342	28.645	26.03	1.019
2/18/2018 1:45	272700	119.945	20.391	270.188	38368.465	42072.125	27.303	28.609	26.063	1.019
2/18/2018 2:00	273600	119.944	20.392	270.186	38365.797	42068.117	27.301	28.606	26.065	1.019
2/18/2018 2:15	274500	119.933	20.392	270.161	38369.031	42071.824	27.303	28.609	26.06	1.019
2/18/2018 2:30	275400	119.931	20.393	270.131	38410.863	42117.23	27.336	28.64	26.034	

2/18/2018 19:00	334800	119.587	20.39	269.382	38399.637	42107.07	27.329	28.633	26.042	1.019
2/18/2018 19:15	335700	119.586	20.39	269.38	38409.008	42117.348	27.336	28.634	26.036	1.019
2/18/2018 19:30	336600	119.585	20.389	269.384	38403.352	42111.982	27.332	28.636	26.029	1.019
2/18/2018 19:45	337500	119.576	20.389	269.357	38380.387	42087.125	27.314	28.619	26.055	1.019
2/18/2018 20:00	338400	119.578	20.389	269.361	38428.703	42139.719	27.352	28.655	26.022	1.019
2/18/2018 20:15	339300	119.592	20.39	269.394	38399.734	42107.118	27.329	28.633	26.043	1.019
2/18/2018 20:30	340200	119.607	20.389	269.426	38420.398	42130.762	27.346	28.649	26.028	1.019
2/18/2018 20:45	341100	119.615	20.391	269.444	38408.195	42106.992	27.329	28.633	26.042	1.019
2/18/2018 21:00	342000	119.627	20.391	269.472	38411.32	42119.27	27.337	28.641	26.034	1.019
2/18/2018 21:15	342900	119.638	20.392	269.407	38421.625	42128.983	27.349	28.648	26.041	1.019
2/18/2018 21:30	343800	119.647	20.391	269.518	38407.254	42114.266	27.334	28.638	26.037	1.019
2/18/2018 21:45	344700	119.677	20.393	269.584	38397.68	42102.305	27.325	28.643	26.043	1.019
2/18/2018 22:00	345600	119.696	20.392	269.628	38369.629	42072.781	27.304	28.609	26.062	1.019
2/18/2018 22:15	346500	119.712	20.394	269.664	38403.223	42109.699	27.331	28.635	26.039	1.019
2/18/2018 22:30	347400	119.742	20.393	269.73	38410.633	42116.586	27.336	28.639	26.034	1.019
2/18/2018 22:45	348300	119.762	20.391	269.776	38404.754	42111.914	27.332	28.636	26.038	1.019
2/18/2018 23:00	349200	119.778	20.391	269.811	38397.02	42103.59	27.326	28.63	26.044	1.019
2/18/2018 23:15	350100	119.805	20.392	269.873	38399.359	42106.984	27.328	28.632	26.042	1.019
2/18/2018 23:30	351000	119.826	20.392	269.919	38421.863	42129.512	27.345	28.648	26.027	1.019
2/18/2018 23:45	351900	119.846	20.39	269.964	38398.082	42105.906	27.328	28.632	26.043	1.019
2/19/2018 0:00	352800	119.861	20.39	269.999	38406.168	42114.152	27.334	28.638	26.037	1.019
2/19/2018 0:15	353700	119.876	20.391	270.013	38430.094	42139.699	27.352	28.655	26.021	1.019
2/19/2018 0:30	354600	119.894	20.389	270.072	38410.137	42119.824	27.338	28.641	26.035	1.019
2/19/2018 0:45	355500	119.912	20.388	270.113	38392.238	42100.727	27.324	28.628	26.047	1.019
2/19/2018 1:00	356400	119.921	20.388	270.134	38406.516	42116.629	27.335	28.639	26.037	1.019
2/19/2018 1:15	357300	119.924	20.389	270.114	38397.922	42105.813	27.328	28.643	26.043	1.019
2/19/2018 1:30	358200	119.944	20.39	270.186	38390.152	42096.824	27.321	28.626	26.048	1.019
2/19/2018 1:45	359100	119.943	20.39	270.182	38420.75	42130.688	27.346	28.649	26.028	1.019
2/19/2018 2:00	360000	119.944	20.389	270.186	38399.035	42107.336	27.329	28.633	26.042	1.019
2/19/2018 2:15	360900	119.943	20.389	270.184	38421.25	42131.695	27.346	28.657	26.037	1.019
2/19/2018 2:30	361800	119.943	20.387	270.184	38402.898	42113.266	27.333	28.637	26.04	1.019
2/19/2018 2:45	362700	119.947	20.391	270.193	38391.188	42097.496	27.322	28.626	26.048	1.019
2/19/2018 3:00	363600	119.941	20.389	270.18	38438.551	42100.984	27.36	28.639	26.019	1.019
2/19/2018 3:15	364500	119.93	20.389	270.154	38393.922	42101.652	27.325	28.629	26.046	1.019
2/19/2018 3:30	365400	119.924	20.389	270.14	38420.227	42130.344	27.345	28.649	26.028	1.019
2/19/2018 3:45	366300	119.904	20.389	270.096	38408.535	42117.75	27.336	28.64	26.036	1.019
2/19/2018 4:00	367200	119.897	20.391	270.081	38398.637	42105.207	27.327	28.632	26.043	1.019
2/19/2018 4:15	368100	119.888	20.391	270.06	38398.043	42104.711	27.327	28.631	26.043	1.019
2/19/2018 4:30	369000	119.876	20.39	270.031	38445.078	42156.82	27.364	28.667	26.011	1.019
2/19/2018 4:45	369900	119.864	20.39	270.005	38413.547	42123.324	27.34	28.643	26.032	1.019
2/19/2018 5:00	370800	119.859	20.39	269.994	38412.717	42121.727	27.339	28.643	26.043	1.019
2/19/2018 5:15	371700	119.845	20.39	269.963	38428.785	42139.113	27.352	28.655	26.022	1.019
2/19/2018 5:30	372600	119.832	20.39	269.933	38380.934	42086.879	27.314	28.619	26.055	1.019
2/19/2018 5:45	373500	119.822	20.389	269.911	38420.301	42130.652	27.346	28.649	26.028	1.019
2/19/2018 6:00	374400	119.811	20.387	269.887	38410.605	42120.641	27.338	28.642	26.043	1.019
2/19/2018 6:15	375300	119.807	20.389	269.876	38430.816	42142.5	27.354	28.657	26.021	1.019
2/19/2018 6:30	376200	119.791	20.39	269.842	38421.195	42131.102	27.346	28.649	26.027	1.019
2/19/2018 6:45	377100	119.788	20.391	269.834	38423.652	42132.395	27.347	28.65	26.026	1.019
2/19/2018 7:00	378000	119.782	20.391	269.852	38406.965	42105.527	27.327	28.642	26.043	1.019
2/19/2018 7:15	378900	119.781	20.393	269.818	38445.348	42154.422	27.363	28.665	26.011	1.019
2/19/2018 7:30	379800	119.775	20.393	269.804	38444.277	42153.867	27.362	28.665	26.012	1.019
2/19/2018 7:45	380700	119.786	20.392	269.83	38415.758	42122.98	27.34	28.644	26.031	1.019
2/19/2018 8:00	381600	119.789	20.392	269.836	38402.34	42108.648	27.33	28.634	26.04	1.019
2/19/2018 8:15	382500	119.796	20.393	269.852	38411.766	42118.293	27.337	28.64	26.034	1.019
2/19/2018 8:30	383400	119.791	20.392	269.842	38405.438	42111.15	27.332	28.636	26.038	1.019
2/19/2018 8:45	384300	119.809	20.391	269.863	38415.105	42123.266	27.34	28.649	26.043	1.019
2/19/2018 9:00	385200	119.817	20.391	269.899	38400.918	42107.551	27.329	28.633	26.041	1.019
2/19/2018 9:15	386100	119.832	20.389	269.933	38417.293	42127.051	27.343	28.646	26.03	1.019
2/19/2018 9:30	387000	119.845	20.391	269.963	38415.375	42123.715	27.341	28.644	26.031	1.019
2/19/2018 9:45	387900	119.86	20.391	269.965	38438.941	42148.781	27.359	28.661	26.019	1.019
2/19/2018 10:00	388800	119.876	20.391	270.033	38410.887	42118.398	27.337	28.641	26.034	1.019
2/19/2018 10:15	389700	119.88	20.39	270.043	38413.371	42122.133	27.339	28.643	26.033	1.019
2/19/2018 10:30	390600	119.91	20.391	270.108	38416.434	42124.48	27.341	28.645	26.031	1.019
2/19/2018 10:45	391500	119.915	20.39	270.12	38400.313	42107.969	27.329	28.633	26.043	1.019
2/19/2018 11:00	392400	119.933	20.391	270.161	38414.738	42122.473	27.34	28.643	26.032	1.019
2/19/2018 11:15	393300	119.954	20.391	270.209	38421.773	42130.262	27.345	28.649	26.027	1.019
2/19/2018 11:30	394200	119.964	20.389	270.23	38414.891	42124.723	27.341	28.645	26.032	1.019
2/19/2018 11:45	395100	119.986	20.389	270.281	38409.469	42118.547	27.338	28.645	26.043	1.019
2/19/2018 12:00	396000	119.996	20.391	270.303	38434.879	42145.332	27.356	28.659	26.018	1.019
2/19/2018 12:15	396900	120.016	20.389	270.347	38415.52	42125.727	27.342	28.645	26.031	1.019
2/19/2018 12:30	397800	120.01	20.391	270.334	38421.48	42130.41	27.345	28.649	26.027	1.019
2/19/2018 12:45	398700	120.022	20.39	270.362	38418.473	42128.117	27.347	28.647	26.029	1.019
2/19/2018 13:00	399600	120.034	20.389	270.389	38403.652	42121.863	27.333	28.637	26.039	1.019
2/19/2018 13:15	400500	120.025	20.387	270.369	38400.477	42110.609	27.331	28.635	26.041	1.019
2/19/2018 13:30	401400	120.039	20.388	270.399	38430.414	42142.594	27.354	28.657	26.021	1.019
2/19/2018 13:45	402300	120.047	20.388	270.418	38424.719	42136.801	27.35	28.653	26.019	1.019
2/19/2018 14:00	403200	120.044	20.389	270.411	38407.023	42116.633	27.335	28.639	26.037	1.019
2/19/2018 14:15	404100	120.027	20.387	270.372	38405.613	42116.406	27.335	28.639	26.038	1.019
2/19/2018 14:30	405000	120.009	20.389	270.331	38435.168	42147.348	27.358	28.66	26.018	1.019
2/19/2018 14:45	405900	120.028	20.39	270.376	38418.859	42138.687	27.344	28.657	26.043	1.019
2/19/2018 15:00	406800	120.008	20.389	270.329	38438.887	42151.277	27.36	28.663	26.015	1.019
2/19/2018 15:15	407700	120.007	20.389	270.327	38449.402	42162.957	27.369	28.671	26.008	1.019
2/19/2018 15:30	408600	119.989	20.388	270.286	38420.011	42140.167	27.346	28.649	26.029	1.019
2/19/2018 15:45	409500	119.985	20.387	270.277	38418.863	42131.082	27.346	28.649	26.029	1.019
2/19/2018 16:00	410400	119.959	20.388	270.22	38407.758	42117.91	27.336	28.64	26.036	1.019
2/19/2018 16:15	411300	119.945	20.388	270.188	38407.598	42117.887	27.336	28.64	26.037	1.019
2/19/2018 16:30	412200	119.932	20.388	270.133	38431.723	42144.637	27.356	28.653	26.019	1.019
2/19/2018 16:45	413100	119.909	20.389	270.106	38401.793	42110.898	27.331	2		

2/20/2018 9:15	472500	119.893	20.389	270.07	38448.047	42161.078	27.368	28.67	26.009	1.019
2/20/2018 9:30	473400	119.898	20.389	270.083	38410.648	42120.313	27.338	28.642	26.034	1.019
2/20/2018 9:45	474000	119.911	20.389	270.111	38407.199	42116.285	27.335	28.639	26.037	1.019
2/20/2018 10:00	475200	119.916	20.387	270.123	38410.434	42121.836	27.339	28.643	26.035	1.019
2/20/2018 10:15	476100	119.936	20.388	270.167	38426.5	42138.227	27.351	28.654	26.024	1.019
2/20/2018 10:30	477000	119.931	20.388	270.156	38400.039	42120.972	27.337	28.635	26.043	1.019
2/20/2018 10:45	477900	119.951	20.388	270.2	38419.945	42131.656	27.346	28.65	26.028	1.019
2/20/2018 11:00	478800	119.961	20.386	270.225	38410.047	42122.578	27.34	28.643	26.035	1.019
2/20/2018 11:15	479700	119.985	20.39	270.277	38401.617	42109.781	27.331	28.635	26.041	1.019
2/20/2018 11:30	480600	120.002	20.386	270.316	38410.336	42122.652	27.34	28.643	26.039	1.019
2/20/2018 11:45	481500	120.013	20.386	270.342	38438.078	42153.32	27.362	28.664	26.016	1.019
2/20/2018 12:00	482400	120.03	20.385	270.38	38438.035	42153.805	27.362	28.665	26.016	1.019
2/20/2018 12:15	483300	120.035	20.386	270.391	38457.32	42173.883	27.377	28.678	26.003	1.019
2/20/2018 12:30	484200	120.053	20.386	270.432	38439.297	42155.035	27.362	28.665	26.015	1.019
2/20/2018 12:45	485100	120.067	20.386	270.463	38397.453	42108.523	27.329	28.634	26.043	1.019
2/20/2018 13:00	486000	120.079	20.385	270.49	38444.145	42160.586	27.367	28.669	26.012	1.019
2/20/2018 13:15	486900	120.089	20.383	270.512	38419.516	42134.969	27.348	28.652	26.028	1.019
2/20/2018 13:30	487800	120.105	20.385	270.521	38424.16	42138.203	27.351	28.654	26.029	1.019
2/20/2018 13:45	488700	120.101	20.384	270.539	38452.633	42170.285	27.374	28.676	26.006	1.019
2/20/2018 14:00	489600	120.107	20.384	270.552	38449.938	42167.41	27.372	28.674	26.008	1.019
2/20/2018 14:15	490500	120.11	20.383	270.561	38413.473	42138.418	27.344	28.647	26.033	1.019
2/20/2018 14:30	491400	120.108	20.386	270.555	38417.021	42130.348	27.345	28.649	26.03	1.019
2/20/2018 14:45	492300	120.108	20.383	270.555	38457.117	42176.133	27.378	28.68	26.003	1.019
2/20/2018 15:00	493200	120.108	20.384	270.555	38422.637	42148.27	27.358	28.641	26.02	1.019
2/20/2018 15:15	494100	120.103	20.385	270.543	38424.84	42139.496	27.352	28.655	26.025	1.019
2/20/2018 15:30	495000	120.098	20.383	270.532	38425.469	42141.336	27.351	28.656	26.024	1.019
2/20/2018 15:45	495900	120.094	20.385	270.523	38417.449	42131.309	27.346	28.649	26.03	1.019
2/20/2018 16:00	496800	120.083	20.385	270.498	38421.563	42135.668	27.349	28.652	26.027	1.019
2/20/2018 16:15	497700	120.065	20.383	270.458	38434.625	42152.148	27.361	28.643	26.018	1.019
2/20/2018 16:30	498600	120.054	20.385	270.434	38447.309	42164.137	27.37	28.672	26.01	1.019
2/20/2018 16:45	499500	120.047	20.384	270.418	38428.867	42144.91	27.356	28.659	26.022	1.019
2/20/2018 17:00	500400	120.036	20.384	270.394	38429.367	42145.148	27.356	28.659	26.022	1.019
2/20/2018 17:15	501300	120.027	20.385	270.372	38441.328	42157.468	27.365	28.667	26.019	1.019
2/20/2018 17:30	502200	120.012	20.385	270.339	38465.379	42183.332	27.383	28.685	25.997	1.019
2/20/2018 17:45	503100	119.996	20.383	270.303	38453.852	42172.934	27.376	28.678	26.005	1.019
2/20/2018 18:00	504000	119.98	20.383	270.267	38449.98	42168.219	27.372	28.674	26.008	1.019
2/20/2018 18:15	504900	119.974	20.384	270.252	38455.453	42163.414	27.368	28.671	26.011	1.019
2/20/2018 18:30	505800	119.957	20.383	270.215	38423.336	42139.313	27.352	28.655	26.026	1.019
2/20/2018 18:45	506700	119.939	20.386	270.174	38430.164	42144.02	27.355	28.658	26.021	1.019
2/20/2018 19:00	507600	119.93	20.386	270.154	38429.297	42143.527	27.355	28.658	26.022	1.019
2/20/2018 19:15	508500	119.916	20.386	270.123	38427.5	42141.336	27.351	28.656	26.021	1.019
2/20/2018 19:30	509400	119.909	20.382	270.106	38430.223	42147.555	27.358	28.66	26.021	1.019
2/20/2018 19:45	510300	119.906	20.385	270.1	38435.09	42150.578	27.36	28.662	26.018	1.019
2/20/2018 20:00	511200	119.897	20.383	270.081	38443.168	42158.816	27.366	28.668	26.012	1.019
2/20/2018 20:15	512100	119.894	20.385	270.072	38425.664	42159.934	27.352	28.655	26.021	1.019
2/20/2018 20:30	513000	119.894	20.384	270.072	38428.438	42143.832	27.355	28.658	26.022	1.019
2/20/2018 20:45	513900	119.895	20.384	270.076	38429.105	42144.563	27.355	28.658	26.022	1.019
2/20/2018 21:00	514800	119.885	20.385	270.053	38407.297	42120.258	27.338	28.642	26.037	1.019
2/20/2018 21:15	515700	119.894	20.384	270.074	38394.48	42106.969	27.328	28.633	26.043	1.019
2/20/2018 21:30	516600	119.909	20.385	270.106	38419.543	42133.836	27.348	28.651	26.028	1.019
2/20/2018 21:45	517500	119.915	20.382	270.12	38419.109	42135.211	27.349	28.652	26.029	1.019
2/20/2018 22:00	518400	119.919	20.384	270.129	38430.816	42148.973	27.357	28.66	26.021	1.019
2/20/2018 22:15	519300	119.934	20.382	270.162	38455.785	42175.75	27.378	28.679	26.009	1.019
2/20/2018 22:30	520200	119.952	20.383	270.203	38424.208	42140.207	27.352	28.655	26.025	1.019
2/20/2018 22:45	521100	119.961	20.384	270.225	38467.18	42186.32	27.386	28.687	25.996	1.019
2/20/2018 23:00	522000	119.977	20.385	270.261	38461.648	42179.863	27.381	28.682	25.998	1.019
2/20/2018 23:15	522900	119.993	20.383	270.296	38414.102	42129.563	27.345	28.648	26.032	1.019
2/20/2018 23:30	523800	120.008	20.385	270.329	38408.309	42121.516	27.339	28.643	26.036	1.019
2/20/2018 23:45	524700	120.022	20.384	270.362	38441.652	42158.93	27.366	28.668	26.013	1.019
2/21/2018 0:00	525600	119.955	20.386	270.425	38427.25	42142.988	27.36	28.662	26.019	1.019
2/21/2018 0:15	526500	120.07	20.383	270.469	38397.453	42111.293	27.331	28.636	26.043	1.019
2/21/2018 0:30	527400	120.088	20.383	270.51	38448.848	42167.293	27.372	28.674	26.009	1.019
2/21/2018 0:45	528300	120.096	20.383	270.528	38440.105	42153.387	27.334	28.638	26.041	1.019
2/21/2018 1:00	529200	120.116	20.384	270.574	38429.273	42147.531	27.345	28.647	26.037	1.019
2/21/2018 1:15	530100	120.129	20.382	270.601	38437.117	42155.277	27.363	28.666	26.017	1.019
2/21/2018 1:30	531000	120.141	20.382	270.628	38421.102	42138.102	27.351	28.654	26.027	1.019
2/21/2018 1:45	531900	120.156	20.382	270.662	38424.996	42141.668	27.353	28.656	26.025	1.019
2/21/2018 2:00	532800	120.171	20.385	270.697	38460.977	42178.816	27.38	28.679	26.019	1.019
2/21/2018 2:15	533700	120.176	20.385	270.708	38444.18	42160.852	27.367	28.669	26.012	1.019
2/21/2018 2:30	534600	120.189	20.385	270.737	38437.734	42153.254	27.362	28.644	26.016	1.019
2/21/2018 2:45	535500	120.187	20.385	270.734	38447.551	42164.094	27.37	28.672	26.009	1.019
2/21/2018 3:00	536400	120.184	20.386	270.725	38455.574	42174.423	27.377	28.679	26.004	1.019
2/21/2018 3:15	537300	120.192	20.384	270.744	38467.266	42185.863	27.385	28.686	25.996	1.019
2/21/2018 3:30	538200	120.188	20.388	270.735	38448.367	42162.75	27.369	28.671	26.009	1.019
2/21/2018 3:45	539100	120.187	20.386	270.734	38444.367	42160.129	27.367	28.669	26.012	1.019
2/21/2018 4:00	540000	120.181	20.387	270.719	38448.781	42163.965	27.37	28.679	26.007	1.019
2/21/2018 4:15	540900	120.172	20.385	270.699	38462.266	42179.938	27.381	28.682	26	1.019
2/21/2018 4:30	541800	120.16	20.387	270.671	38435.012	42148.254	27.358	28.661	26.018	1.019
2/21/2018 4:45	542700	120.156	20.387	270.662	38452.063	42166.953	27.372	28.674	26.006	1.019
2/21/2018 5:00	543600	120.146	20.389	270.641	38461.09	42175.383	27.378	28.68	26.003	1.019
2/21/2018 5:15	544500	120.121	20.387	270.583	38441.332	42155.414	27.363	28.666	26.014	1.019
2/21/2018 5:30	545400	120.113	20.387	270.567	38470.121	42186.984	27.386	28.687	25.994	1.019
2/21/2018 5:45	546300	120.096	20.386	270.523	38433.797	42147.313	27.36	28.66	26.019	1.019
2/21/2018 6:00	547200	120.082	20.389	270.497	38463.793	42178.434	27.38	28.681	25.998	1.019
2/21/2018 6:15	548100	120.067	20.387	270.463	38447.324	42161.836	27.368	28.67	26.01	1.019
2/21/2018 6:30	549000	120.043	20.388	270.408	38496.445	42214.926	27.406	28.706	25.976	1.019
2/21/2018 6:45	549900	120.024	20.386	270.366	38455.047	42160.34	27.367	28.669	26.011	1.019
2/21/2018 7:00	550800	120.011	20.386	270.336	38435.93	42150.805	27.			

2/21/2018 23:30	610200	119.941	20.386	270.18	38484.676	42203.957	27.398	28.699	25.984	1.019
2/21/2018 23:45	611100	119.952	20.387	270.203	38445.965	42161.039	27.367	28.67	26.011	1.019

Report Date: 2/23/2018 14:43
Report User Name: Alvanikatsma
Report Computer Name: WIS734
Application: WinStu.exe
Application Version: 5.6.25.0

Log File Properties
File Name: MPWSP MW-4M LT Test_2018-02-22_16_42-39-656-BaroMerge.wsl
Create Date: 2/23/2018 14:43

Device Properties
Device: Aqua THROLL 200
Site: MPWSP MW-4M
Device Name:
Serial Number: 428901
Firmware Version: 2.01
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 15200 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: WinStu.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: 0 mins: 00 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

Log Notes:

Date and Time

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
10/4/2016 17:01 Log Download - Used Battery: 15% Used Memory: 4% User Name: Skulpter Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/3/2016 5:15:00 PM
10/13/2016 19:37 Log Download - Used Battery: 16% Used Memory: 6% User Name: Skulpter 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: Skulpter Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 7:30:00 PM
10/17/2016 12:16 Log Download - Used Battery: 17% Used Memory: 10% User Name: Skulpter Interval - Start Time: 10/15/2016 10:00:00 PM Stop Time: 10/17/2016 1:00:00 PM
11/3/2016 17:11 Log Download - Used Battery: 18% Used Memory: 14% User Name: Skulpter 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: Skulpter 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: Skulpter 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: Skulpter 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: Skulpter 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: 20% Used Memory: 26% User Name: Skulpter Interval - Start Time: 11/20/2016 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: Skulpter 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: 25% Used Memory: 35% User Name: Skulpter 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: Skulpter 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: Hernandez Interval - Start Time: 1/11/2017 10:00:00 PM Stop Time: 1/19/2017 2:55:00 PM
1/17/2017 7:32 Log Download - Used Battery: 27% Used Memory: 43% User Name: Skulpter 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: 1/21/2016 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: Hernandez 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: Hernandez 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: Skulpter 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
3/10/2017 15:41 Log Download - Used Battery: 31% Used Memory: 57% User Name: WMassoll Interval - Start Time: 3/3/2017 8:15:00 AM Stop Time: 3/10/2017 5:40:00 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: Hernandez Interval - Start Time: 3/15/2017 10:00:00 PM Stop Time: 3/23/2017 6:00:00 AM
3/30/2017 9:27 Log Download - Used Battery: 33% Used Memory: 65% User Name: Hernandez Interval - Start Time: 3/22/2017 10:00:00 PM Stop Time: 3/30/2017 12:25:00 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 AM
4/13/2017 18:37 Log Download - Used Battery: 35% Used Memory: 70% User Name: WMassoll Interval - Start Time: 4/9/2017 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: Hernandez 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: Hernandez Interval - Start Time: 5/1/2017 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: Hernandez Interval - Start Time: 5/1/2017 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: Hernandez Interval - Start Time: 5/1/2017 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: Hernandez 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: Hernandez Interval - Start Time: 5/17/2017 10:00:00 PM Stop Time: 5/25/2017 8:00:00 AM
6/1/2017 18:01 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: 90% User Name: Hernandez Interval - Start Time: 6/7/2017 10:00:00 PM Stop Time: 6/15/2017 6:05:00 AM
6/22/2017 6:31 Log Download - Used Battery: 42% Used Memory: 95% User Name: Hernandez 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: Hernandez Interval - Start Time: 5/31/2017 10:00:00 PM Stop Time: 7/6/2017 10:00:00 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 16:42 Log Download - Used Battery: 45% Used Memory: 100% User Name: Hernandez Interval - Start Time: 7/2/2017 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: Hernandez 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: Hernandez 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: Hernandez 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: Hernandez 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: Hernandez Interval - Start Time: 8/1/2017 10:00:00 PM Stop Time: 9/7/2017 2:10:00 PM
9/14/2017 10:01 Log Download - Used Battery: 51% Used Memory: 100% User Name: Hernandez 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: Hernandez 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: 9/21/2017 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: Hernandez Interval - Start Time: 10/4/2017 10:00:00 PM Stop Time: 10/12/2017 10:50:00 AM
10/19/2017 8:06 Log Download - Used Battery: 55% Used Memory: 100% User Name: Hernandez Interval - Start Time: 10/11/2017 10:00:00 PM Stop Time: 10/19/2017 9:05:00 AM
10/26/2017 17:40 Log Download - Used Battery: 55% Used Memory: 100% User Name: Hernandez Interval - Start Time: 10/18/2017 10:00:00 PM Stop Time: 10/26/2017 6:45:00 PM
11/2/2017 19:07 Log Download - Used Battery: 56% Used Memory: 100% User Name: WMassoll Interval - Start Time: 9/30/2017 10:00:00 PM Stop Time: 11/2/2017 7:05:00 PM
11/9/2017 17:56 Log Download - Used Battery: 57% Used Memory: 100% User Name: Hernandez Interval - Start Time: 11/1/2017 10:00:00 PM Stop Time: 11/9/2017 6:55:00 PM
2/23/2018 14:43 Log Note: Pressure & Level adjusted by baro data from: "MPWSP Barotroll_2018-02-22_16-56-22-545.wsl"

Log Data:

Record Count

2240

Sensors

2

428901 PCTD 100 PSIA (60.1m/197.3ft)

1

0 Baro-Adjustment Calc

Time Zone: Pacific Standard Time

		Sensor: PCTD(A) 197.3ft SNR: 428901		Sensor: PCTD(A) 197.3ft SNR: 428901		Sensor: PCTD(A) 197.3ft SNR: 428901		Sensor: PCTD(A) 197.3ft SNR: 428901		Sensor: PCTD(A) 197.3ft SNR: 428901		Sensor: PCTD(A) 197.3ft SNR: 428901		Sensor: PCTD(A) 197.3ft SNR: 428901		Sensor: PCTD(A) 197.3ft SNR: 428901		Sensor: Baro-Adj Calc SNR: 000000		
		Corrected		Corrected		Corrected		Corrected		Corrected		Corrected		Corrected		Corrected				
Date and Time	Elapsed Time Seconds	Pressure (PSI)	Temperature (C)	Depth (ft)	Actual Conductivity (uS)	Specific Conductivity (uS)	Salinity (PSU)	Total Dissolved Solids (ppm)	Resistivity (ohm-cm)	Water Density (g/cm3)	Barometric Pressure (PSI)									
2/15/2018 0:00	7200	73.508	17.949	167.548	30133.648	34823.141	22.073	23679.736	33.185	1.015	14.831									
2/15/2018 0:05	7500	73.509	17.949	167.549	30138.121	34840.066	22.085	23681.248	33.177	1.015	14.83									
2/15/2018 0:10	8100	73.508	17.949	167.547	30134.136	34824.27	22.074	23680.506	33.185	1.015	14.83									
2/15/2018 0:15	8700	73.526	17.95	167.589	30156.459	34849.367	22.091	23687.57	33.16	1.015	14.829									
2/15/2018 0:20	8400	73.505	17.949	167.545	30149.654	34841.309	22.086	23681.125	33.168	1.015	14.83									
2/15/2018 0:25	8700	73.507	17.949	167.545	30140.467	34831.09	22.079	23685.143	33.178	1.015	14.83									
2/15/2018 0:30	9000	73.507	17.949	167.544	30149.479	34841.434	22.086	23686.178	33.168	1.015	14.831									
2/15/2018 0:35	9300	73.513	17.949	167.596	30141.053	34832.869	22.078	23686.313	33.176	1.015	14.832									
2/15/2018 0:40	9600	73.511	17.949	167.554	30154.17	34846.926	22.09	23695.912	33.163	1.015	14.834									
2/15/2018 0:45	9900	73.525	17.95	167.587	30138.311	34828.195	22.077	23688.174	33.18	1.015	14.836									
2/15/2018 0:50	10200	73.509	17.949	167.548	30154.168	34846.742	22.09	23695.785	33.163	1.015	14.835									
2/15/2018 0:55	10500	73.504	17.95	167.538	30141.053	34831.422	22.079	23685.367	33.177	1.015	14.835									
2/15/2018 1:00	10800	73.506	17.949	167.543	30154.877	34847.809	22.09	23696.51	33.162	1.015	14.835									
2/15/2018 1:05	11100	73.511	17.949	167.553	30155.197	34848.176	22.091	23696.76	33.162	1.015	14.833									
2/15/2018 1:10	11400	73.529	17.949	167.594	30149.662	34841.076	22.081	23682.502	33.168	1.015	14.832									
2/15/2018 1:15	11700	73.512	17.949	167.557	30142.371	34833.422	22.08	23686.727	33.176	1.015	14.83									
2/15/2018 1:20	12000	73.517	17.949	167.567	30141.903	34839.63	22.085	23691.93	33.17	1.015	14.83									
2/15/2018 1:25	12300	73.512	17.95	167.601	30152.648	34844.898	22.088	23694.533	33.165	1.015	14.829									
2/15/2018 1:30	12600	73.518	17.949	167.615	30161.568	34855.406	22.096	23701.678	33.155	1.015	14.829									
2/15/2018 1:35	12900	73.512	17.949	167.556	30155.697	34848.621	22.091	23697.063	33.161	1.015	14.831									
2/15/2018 1:40	13200	73.526	17.949	167.589	30143.107	34841.076	22.081	23687.145	33.175	1.015	14.83									
2/15/2018 1:45	13500	73.506	17.949	167.542	30165.457	34859.898	22.099	23704.73	33.151	1.015	14.835									
2/15/2018 1:50	13800	73.523	17.949	167.581	30160.672	34877.746	22.111	23716.867	33.134	1.015	14.835									
2/15/2018 1:55	14100	73.507	17.949	167.546	30150.12	34842.699	22.087	23693.037	33.167	1.015	14.835									
2/15/2018 2:00	14400	73.506	17.95	167.544	30160.707	34854.133	22.095	23700.811	33.156	1.015	14.835									
2/15/2018 2:05	14700	73.504	17.95	167.538	30149.811	34841.746	22.086	23692.389	33.168	1.015	14.834									
2/15/2018 2:10	15000	73.524	17.949	167.584	30155.121	34847.807	22.09	23696.564	33.162	1.015	14.833									
2/15/2018 2:15	15300	73.526	17.95	167.588	30146.034	34838.094	22.084	23693.084	33.161	1.015	14.831									
2/15/2018 2:20	15600	73.503	17.949	167.537	30149.889	34841.98	22.086	23692.549	33.168	1.015	14.831									

2/15/2018 225	15900	73497	17949	167523	30153357	34846348	22.089	23695518	33.164	1.015	14.831
2/15/2018 230	16200	73498	17949	167524	30154559	348461727	22.086	23695275	33.168	1.015	14.83
2/15/2018 235	16500	73498	17949	167525	30155156	34846152	22.085	23695426	33.161	1.015	14.832
2/15/2018 240	16800	73494	17949	167555	30154273	34847313	22.09	23696172	33.163	1.015	14.833
2/15/2018 245	17100	73496	17949	16752	30148656	34846017	22.085	23695619	33.169	1.015	14.834
2/15/2018 250	17400	73501	17949	167533	30138352	34820172	22.077	23683842	33.18	1.015	14.832
2/15/2018 255	17700	73504	17949	167539	30148674	34840504	22.085	23691543	33.169	1.015	14.829
2/15/2018 300	18000	73501	17949	16753	30151131	34848039	22.091	23696666	33.162	1.015	14.826
2/15/2018 305	18300	735	17949	16753	30138607	34829175	22.077	23681847	33.18	1.015	14.826
2/15/2018 310	18600	735	17949	16753	30140871	34811289	22.079	23686277	33.178	1.015	14.826
2/15/2018 315	18900	73525	17949	167586	30151146	34841434	22.087	23691537	33.166	1.015	14.825
2/15/2018 320	19200	73499	17949	167528	30149628	34841094	22.091	23706266	33.147	1.015	14.827
2/15/2018 325	19500	73497	17949	167522	30152367	34844906	22.088	23694539	33.165	1.015	14.829
2/15/2018 330	19800	73492	17949	16751	30156697	348495	22.092	23697466	33.16	1.015	14.831
2/15/2018 335	20100	73495	17949	167512	30129568	34831348	22.07	23676477	33.19	1.015	14.829
2/15/2018 340	20400	73495	17949	167518	30141738	34832563	22.08	23686145	33.177	1.015	14.826
2/15/2018 345	20700	73497	17949	167523	30134555	34857426	22.097	23703051	33.153	1.015	14.824
2/15/2018 350	21000	73516	17949	167565	30151131	34841434	22.087	23695523	33.166	1.015	14.824
2/15/2018 355	21300	7352	17949	167574	30145195	34836617	22.083	23688902	33.173	1.015	14.823
2/15/2018 400	21600	73496	17949	167559	30146664	34838113	22.084	23689918	33.171	1.015	14.823
2/15/2018 405	21900	73495	17949	167518	30156549	34849738	22.092	23697822	33.16	1.015	14.826
2/15/2018 410	22200	73491	17949	167509	30154488	34847297	22.09	23696164	33.163	1.015	14.829
2/15/2018 415	22500	73486	17949	167498	30155529	348485	22.091	2369698	33.161	1.015	14.832
2/15/2018 420	22800	73485	17949	167496	30146215	34838	22.084	23689144	33.172	1.015	14.83
2/15/2018 425	23100	73492	17949	167512	30149645	34841625	22.086	23692307	33.168	1.015	14.827
2/15/2018 430	23400	73492	17949	167512	30139646	34830273	22.078	23684588	33.179	1.015	14.825
2/15/2018 435	23700	7349	17949	167526	3014177	34835555	22.085	23690885	33.17	1.015	14.824
2/15/2018 440	24000	73499	17949	167536	301477	34832727	22.08	23686254	33.177	1.015	14.822
2/15/2018 445	24300	73494	17949	167535	30148648	34838395	22.084	23690111	33.171	1.015	14.82
2/15/2018 450	24600	73512	17949	167562	30154287	3483475	22.09	23695766	33.163	1.015	14.823
2/15/2018 455	24900	73497	17949	167523	30152528	34835829	22.089	23692637	33.157	1.015	14.823
2/15/2018 500	25200	73496	17949	167521	30148088	34839758	22.085	23691037	33.17	1.015	14.825
2/15/2018 505	25500	73509	17949	167551	30155861	34848883	22.091	2369724	33.161	1.015	14.827
2/15/2018 510	25800	73495	17949	167541	30154514	34847589	22.09	23695375	33.162	1.015	14.829
2/15/2018 515	26100	73487	17949	167499	30154207	34846699	22.09	23695758	33.163	1.015	14.831
2/15/2018 520	26400	73497	17949	167523	30158313	34848133	22.091	2369741	33.161	1.015	14.829
2/15/2018 525	26700	73519	17949	167569	30138852	34832607	22.077	23681831	33.18	1.015	14.827
2/15/2018 530	27000	73497	17949	167522	30155324	34848188	22.091	23696768	33.162	1.015	14.824
2/15/2018 535	27300	73496	17949	167519	30140564	34831133	22.079	23685172	33.178	1.015	14.825
2/15/2018 540	27600	73498	17949	167529	30137109	34837102	22.076	23697506	33.182	1.015	14.827
2/15/2018 545	27900	73497	17949	167523	30146119	34837688	22.083	23689629	33.172	1.015	14.827
2/15/2018 550	28200	73496	17949	167519	30145629	34837099	22.083	23688199	33.172	1.015	14.828
2/15/2018 555	28500	73519	17949	167566	30137622	34834237	22.091	23697421	33.167	1.015	14.829
2/15/2018 600	28800	73511	17949	167555	30143477	34834094	22.081	23687186	33.175	1.015	14.832
2/15/2018 605	29100	735	17949	167528	30144277	3483559	22.082	23688182	33.174	1.015	14.831
2/15/2018 610	29400	73516	17949	167536	30156162	34849138	22.091	23697421	33.16	1.015	14.83
2/15/2018 615	29700	73501	17949	167531	30144111	3483508	22.082	23687867	33.174	1.015	14.829
2/15/2018 620	30000	73506	17949	167542	30144484	34834309	22.074	23688531	33.185	1.015	14.832
2/15/2018 625	30300	73527	17949	167563	30152545	34834067	22.087	23697506	33.174	1.015	14.83
2/15/2018 630	30600	73507	17949	167577	30153521	3485973	22.089	23695264	33.164	1.015	14.837
2/15/2018 635	30900	73507	17949	167545	30152488	348445	22.088	23694262	33.165	1.015	14.837
2/15/2018 640	31200	73507	17949	167549	30147668	34839414	22.086	23690813	33.17	1.015	14.839
2/15/2018 645	31500	73525	17949	167587	30142207	34834117	22.081	23687205	33.175	1.015	14.837
2/15/2018 650	31800	73504	17949	167538	30149623	34841938	22.086	23692518	33.168	1.015	14.839
2/15/2018 655	32100	73511	17949	167587	30150277	34844507	22.087	23693553	33.167	1.015	14.842
2/15/2018 700	32400	73508	17949	167546	30154287	34856269	22.097	23702689	33.153	1.015	14.844
2/15/2018 705	32700	73517	17949	167613	3016225	34856095	22.096	23702113	33.154	1.015	14.843
2/15/2018 710	33000	73514	17949	167561	30148539	34846348	22.085	23691439	33.169	1.015	14.842
2/15/2018 715	33300	73517	17949	167569	30146311	34841348	22.079	23685197	33.178	1.015	14.842
2/15/2018 720	33600	7352	17949	167574	30145158	3484139	22.083	2368902	33.172	1.015	14.843
2/15/2018 725	33900	73538	17949	167616	30145158	34837	22.083	23689162	33.172	1.015	14.844
2/15/2018 730	34200	73528	17949	167595	30150147	3485495	22.095	23705137	33.155	1.015	14.849
2/15/2018 735	34500	73542	17949	167625	30170701	34865684	22.103	23708668	33.145	1.015	14.848
2/15/2018 740	34800	7352	17949	167575	30197811	34885805	22.117	2372235	33.126	1.015	14.85
2/15/2018 745	35100 075	73545	17949	167613	30175762	34871062	22.091	23711062	33.139	1.015	14.849
2/15/2018 750	35400	73526	17949	167589	30177319	34873129	22.108	2371373	33.137	1.015	14.851
2/15/2018 755	35700	7353	17949	167597	30186209	34884145	22.116	23721221	33.128	1.015	14.85
2/15/2018 800	36000	73529	17949	167592	30185178	34887602	22.112	23717452	33.127	1.015	14.851
2/15/2018 805	36300	73556	17949	167658	30187535	34885414	22.117	23722084	33.126	1.015	14.851
2/15/2018 810	36600	73534	17949	167607	30181982	34879066	22.112	23717766	33.132	1.015	14.854
2/15/2018 815	36900	73519	17949	167617	30186084	34881082	22.11	23706868	33.13	1.015	14.856
2/15/2018 820	37200	73517	17949	167613	30193678	34892582	22.122	23726955	33.12	1.015	14.856
2/15/2018 825	37500	73543	17949	167627	30194885	34891629	22.122	23727668	33.118	1.015	14.855
2/15/2018 830	37800	73561	17949	167651	30190981	34892389	22.129	23734719	33.123	1.015	14.857
2/15/2018 835	38100	73543	17949	167627	30163189	34857078	22.097	23702814	33.153	1.015	14.856
2/15/2018 840	38400	73565	17949	167678	30181424	34878613	22.112	23717459	33.133	1.015	14.858
2/15/2018 845	38700	73544	17949	167647	30186127	34884314	22.117	23728383	33.127	1.015	14.859
2/15/2018 850	39000	73527	17949	167683	30165322	34858672	22.099	23715175	33.151	1.015	14.859
2/15/2018 855	39300	73535	17949	167644	30185495	34881508	22.115	23720787	33.128	1.015	14.859
2/15/2018 900	39600	73529	17949	167659	301751	34887113	22.107	23721269	33.131	1.015	14.855
2/15/2018 905	39900	73556	17949	167657	30148428	34841952	22.114	23716975	33.13	1.015	14.858
2/15/2018 910	40200	73558	17949	167661	30186209	3488621	22.116	23721271	33.128	1.015	14.858
2/15/2018 915	40500	73563	17949	167673	30182971	34901895	22.128	23731289	33.11	1.015	14.859
2/15/2018 920	40800	73562	17949	167682	30186209	34886367	22.127	23727126	33.126	1.015	14.86
2/15/2018 925	41100	73581	17949	167713	30191443	34886793	22.12	23725095	33.122	1.015	14.862
2/15/2018 930											

2/15/2018 16:20	66000	73442	17949	167397	30139.813	34880.336	22.078	23684.629	33.179	1.015	14.823
2/15/2018 16:21	66000	73443	17949	167398	30140.871	34881.401	22.098	23701.268	33.156	1.015	14.827
2/15/2018 16:20	66000	73445	17949	167381	30144.309	34885.773	22.098	23703.869	33.152	1.015	14.827
2/15/2018 16:35	66000	73435	17935	167381	30149.557	34841.324	22.086	23692.102	33.168	1.015	14.827
2/15/2018 16:40	67200	73444	17949	167386	30147.865	34884.816	22.106	23711.475	33.141	1.015	14.821
2/15/2018 16:45	67200	73432	17935	167374	30153.219	34845.688	22.089	23695.04	33.164	1.015	14.827
2/15/2018 16:40	67800	7343	17935	16737	30160.119	34861.996	22.102	23702.52	33.146	1.015	14.829
2/15/2018 16:55	68100	73445	17949	167404	30144.469	34858.48	22.098	23701.768	33.152	1.015	14.831
2/15/2018 17:00	68400	73424	17949	167417	30147.471	34866.984	22.104	23700.155	33.144	1.015	14.834
2/15/2018 17:05	68700	73429	17935	167438	30148.32	34869.691	22.085	23690.99	33.169	1.015	14.833
2/15/2018 17:10	69000	73424	17949	167355	30107.615	34862.124	22.101	23706.381	33.148	1.015	14.832
2/15/2018 17:15	69300	73426	17949	167366	30133.467	34864.973	22.099	23697.264	33.164	1.015	14.831
2/15/2018 17:20	69600	73428	17935	167366	30161.273	34854.863	22.095	23701.307	33.155	1.015	14.83
2/15/2018 17:25	69900	7343	17949	167369	30151.543	34841.891	22.088	23691.848	33.166	1.015	14.828
2/15/2018 17:30	70200	7343	17949	167369	30140.869	34851.484	22.079	23686.412	33.178	1.015	14.827
2/15/2018 17:35	70500	73434	17949	167378	30155.209	34847.652	22.09	23696.406	33.162	1.015	14.83
2/15/2018 17:40	70800	73428	17949	167366	30130.342	34842.504	22.087	23692.904	33.167	1.015	14.833
2/15/2018 17:45	71100	73428	17949	167364	30166.619	34840.84	22.093	23705.271	33.149	1.015	14.826
2/15/2018 17:50	71400	73423	17935	167355	30148.926	34840.466	22.085	23691.65	33.169	1.015	14.838
2/15/2018 17:55	71700	73422	17949	167352	30158.064	34851.355	22.093	23698.924	33.159	1.015	14.839
2/15/2018 18:00	72000	73426	17935	167361	30142.42	34853.078	22.08	23694.492	33.176	1.015	14.84
2/15/2018 18:05	72300	73426	17935	167361	30143.859	34834.742	22.081	23687.625	33.174	1.015	14.84
2/15/2018 18:10	72600	73445	17949	167403	30142.57	34831.316	22.08	23686.656	33.176	1.015	14.84
2/15/2018 18:15	72900	73425	17949	167358	30170.588	34846.214	22.103	23709.029	33.145	1.015	14.84
2/15/2018 18:20	73200	73431	17949	167371	30157.014	34850.215	22.092	23698.146	33.16	1.015	14.84
2/15/2018 18:25	73500	73455	17949	167427	30144.227	34851.422	22.082	23688.09	33.174	1.015	14.839
2/15/2018 18:30	73800	73436	17949	167383	30112.414	34856.406	22.096	23702.357	33.154	1.015	14.839
2/15/2018 18:35	74100	73433	17935	167376	30153.123	34845.512	22.089	23694.467	33.164	1.015	14.842
2/15/2018 18:40	74400	73432	17935	167374	30161.324	34845.422	22.095	23701.35	33.155	1.015	14.846
2/15/2018 18:45	74700	73438	17949	167381	30149.154	34841.133	22.086	23695.973	33.168	1.015	14.849
2/15/2018 18:50	75000	73428	17949	167366	30156.729	34849.863	22.092	23697.863	33.16	1.015	14.847
2/15/2018 18:55	75300	7343	17949	167369	30144.16	34855.289	22.082	23687.998	33.174	1.015	14.848
2/15/2018 19:00	75600	73432	17949	167375	30162.02	34855.594	22.096	23701.805	33.154	1.015	14.848
2/15/2018 19:05	75900	73433	17949	167378	30143.758	34845.891	22.081	23687.722	33.174	1.015	14.847
2/15/2018 19:10	76200	73454	17949	167425	30160.428	34854.422	22.095	23701.01	33.156	1.015	14.848
2/15/2018 19:15	76500	73441	17949	167394	30160.02	34853.547	22.094	23700.412	33.156	1.015	14.847
2/15/2018 19:20	76800	73449	17949	167408	30158.09	34851.493	22.093	23698.985	33.159	1.015	14.849
2/15/2018 19:25	77100	7344	17949	167392	30142.902	34853.637	22.081	23686.875	33.175	1.015	14.851
2/15/2018 19:30	77400	73443	17949	167399	30146.799	34848.31	22.084	23690.121	33.171	1.015	14.853
2/15/2018 19:35	77700	73445	17949	167401	30153.084	34845.439	22.089	23694.831	33.164	1.015	14.85
2/15/2018 19:40	78000	73451	17949	167417	30149.141	34840.91	22.086	23691.82	33.168	1.015	14.85
2/15/2018 19:45	78300	7345	17935	167416	30165.363	34839.516	22.099	23704.471	33.151	1.015	14.848
2/15/2018 19:50	78600	73436	17949	167409	30149.322	34841.381	22.087	23692.447	33.168	1.015	14.852
2/15/2018 19:55	78900	73454	17949	167424	30161.475	34855.227	22.096	23701.555	33.155	1.015	14.849
2/15/2018 20:00	79200	73459	17949	167435	30118.863	34829.011	22.077	23684.742	33.18	1.015	14.85
2/15/2018 20:05	79500	73459	17949	167438	30147.748	34845.422	22.093	23698.632	33.155	1.015	14.852
2/15/2018 20:10	79800	7346	17949	167439	30165.324	34859.469	22.099	23704.441	33.151	1.015	14.854
2/15/2018 20:15	80100	73457	17949	167432	30162.123	34846.246	22.096	23702.25	33.154	1.015	14.855
2/15/2018 20:20	80400	73459	17949	167433	30149.413	34844.477	22.086	23692.202	33.168	1.015	14.858
2/15/2018 20:25	80700	7348	17949	167483	30167.611	34862.32	22.101	23706.381	33.148	1.015	14.861
2/15/2018 20:30	81000	7348	17949	167483	30160.428	34854.16	22.095	23700.83	33.156	1.015	14.864
2/15/2018 20:35	81300	7348	17949	167483	30164.678	34855.531	22.096	23702.764	33.155	1.015	14.863
2/15/2018 20:40	81600	7347	17949	167476	30167.828	34854.463	22.101	23701.458	33.148	1.015	14.861
2/15/2018 20:45	81900	73474	17949	167483	30158.045	34851.406	22.093	23698.957	33.159	1.015	14.859
2/15/2018 20:50	82200	73475	17949	167473	30162.244	34856.258	22.096	23702.258	33.154	1.015	14.86
2/15/2018 20:55	82500	73476	17949	167474	30155.441	34847.992	22.087	23696.637	33.162	1.015	14.863
2/15/2018 21:00	82800	73484	17949	167515	30163.865	34857.859	22.097	23703.344	33.152	1.015	14.865
2/15/2018 21:05	83100	73489	17949	167526	30155.826	34848.438	22.091	23696.939	33.161	1.015	14.865
2/15/2018 21:10	83400	73481	17949	167480	30165.339	34846.392	22.092	23697.527	33.16	1.015	14.866
2/15/2018 21:15	83700	7345	17935	167478	30171.768	34846.715	22.104	23709.367	33.144	1.015	14.867
2/15/2018 21:20	84000	73485	17949	167496	30171.678	34847.223	22.104	23709.713	33.144	1.015	14.866
2/15/2018 21:25	84300	73481	17949	167502	30162.478	34847.643	22.113	23717.172	33.132	1.015	14.867
2/15/2018 21:30	84600	73514	17949	167561	30182.517	34879.305	22.112	23717.928	33.132	1.015	14.865
2/15/2018 21:35	84900	73514	17949	167562	30119.779	34890.316	22.12	23721.438	33.122	1.015	14.867
2/15/2018 21:40	85200	73501	17949	167531	30161.383	34851.122	22.096	23705.465	33.145	1.015	14.867
2/15/2018 21:45	85500	73498	17949	167524	30174.9	34870.813	22.106	23712.154	33.14	1.015	14.869
2/15/2018 21:50	85800	73501	17949	167531	30174.891	34870.668	22.106	23712.055	33.14	1.015	14.869
2/15/2018 21:55	86100	73505	17949	167527	30173.877	34871.439	22.109	23714.447	33.127	1.015	14.869
2/15/2018 22:00	86400	73527	17935	167539	30166.219	34860.578	22.099	23705.195	33.15	1.015	14.869
2/15/2018 22:05	86700	73507	17949	167546	30165.219	34894.223	22.123	23726.072	33.118	1.015	14.87
2/15/2018 22:10	87000	73514	17949	167549	30162.466	34891.131	22.123	23726.096	33.121	1.015	14.871
2/15/2018 22:15	87300	73534	17949	167608	30182.498	34879.594	22.113	23718.125	33.132	1.015	14.872
2/15/2018 22:20	87600	73517	17949	167567	30190.377	34888.832	22.119	23724.406	33.123	1.015	14.871
2/15/2018 22:25	87900	73525	17949	167576	30192.176	34890.642	22.12	23725.637	33.121	1.015	14.871
2/15/2018 22:30	88200	73525	17935	167587	30177.076	34871.129	22.108	23713.73	33.138	1.015	14.87
2/15/2018 22:35	88500	73524	17949	167585	30197.67	34897.258	22.125	23730.135	33.115	1.015	14.871
2/15/2018 22:40	88800	73521	17949	167581	30198.15	34898.066	22.126	23730.608	33.114	1.015	14.872
2/15/2018 22:45	89100	73524	17949	167585	30195.045	34894.164	22.123	23728.033	33.118	1.015	14.872
2/15/2018 22:50	89400	73532	17949	167601	30195.514	34894.5	22.123	23728.26	33.118	1.015	14.872
2/15/2018 22:55	89700	73531	17949	167601	30192.1939	34894.74	22.127	23724.045	33.098	1.015	14.872
2/15/2018 23:00	90000	73537	17949	167612	30200.489	34905.375	22.131	23730.671	33.107	1.015	14.872
2/15/2018 23:05	90300	73532	17949	167603	30206.383	34906.375	22.131	23736.338	33.107	1.015	14.871
2/15/2018 23:10	90600	73538									

2/16/2018 6:15	116100	73.575	17.95	167.7	30216.537	34918.052	22.14	23744.684	33.094	1.015	14.845
2/16/2018 6:20	116400	73.576	17.95	167.703	30209.258	34910.468	22.144	23739.125	33.102	1.015	14.846
2/16/2018 6:25	116700	73.558	17.95	167.661	30208.736	34909.777	22.154	23738.648	33.103	1.015	14.846
2/16/2018 6:30	117000	73.555	17.95	167.654	30214.736	34916.313	22.138	23743.094	33.096	1.015	14.847
2/16/2018 6:35	117300	73.553	17.95	167.65	30202.285	34902.985	22.129	23733.986	33.109	1.015	14.848
2/16/2018 6:40	117600	73.554	17.95	167.653	30189.736	34887.321	22.118	23733.374	33.124	1.015	14.845
2/16/2018 6:45	117900	73.552	17.95	167.647	30203.369	34903.641	22.129	23734.479	33.109	1.015	14.852
2/16/2018 6:50	118200	73.553	17.95	167.645	30196.409	34895.402	22.124	23728.875	33.116	1.015	14.853
2/16/2018 6:55	118500	73.552	17.95	167.643	30201.084	34901.249	22.129	23734.209	33.109	1.015	14.853
2/16/2018 7:00	118800	73.557	17.95	167.646	30217.502	34913.711	22.141	23745.404	33.093	1.015	14.853
2/16/2018 7:05	119100	73.557	17.95	167.658	30206.529	34907.293	22.132	23738.959	33.105	1.015	14.855
2/16/2018 7:10	119400	73.549	17.95	167.647	30177.736	34897.465	22.125	23734.275	33.115	1.015	14.857
2/16/2018 7:15	119700	73.551	17.949	167.644	30216.248	34914.594	22.14	23744.646	33.095	1.015	14.859
2/16/2018 7:20	120000	73.547	17.95	167.637	30221.418	34920.055	22.147	23751.758	33.085	1.015	14.859
2/16/2018 7:25	120300	73.556	17.949	167.637	30212.213	34913.953	22.137	23741.951	33.099	1.015	14.858
2/16/2018 7:30	120600	73.57	17.949	167.648	30187.061	34885.066	22.116	23721.848	33.127	1.015	14.857
2/16/2018 7:35	120900	73.569	17.95	167.686	30188.811	34897.91	22.125	23730.582	33.114	1.015	14.86
2/16/2018 7:40	121200	73.548	17.95	167.644	30213.555	34915.511	22.138	23742.561	33.098	1.015	14.862
2/16/2018 7:45	121500	73.567	17.95	167.681	30214.008	34915.602	22.138	23742.611	33.097	1.015	14.865
2/16/2018 7:50	121800	73.543	17.949	167.627	30217.639	34920.203	22.141	23745.738	33.093	1.015	14.865
2/16/2018 7:55	122100	73.552	17.95	167.625	30203.689	34903.863	22.13	23734.643	33.103	1.015	14.865
2/16/2018 8:00	122400	73.543	17.95	167.628	30214.488	34916.359	22.138	23743.125	33.097	1.015	14.865
2/16/2018 8:05	122700	73.54	17.95	167.62	30216.313	34918.336	22.14	23744.471	33.095	1.015	14.867
2/16/2018 8:10	123000	73.541	17.949	167.623	30213.48	34915.828	22.138	23742.766	33.098	1.015	14.869
2/16/2018 8:15	123300	73.537	17.949	167.613	30204.939	34905.527	22.131	23735.762	33.107	1.015	14.871
2/16/2018 8:20	123600	73.541	17.95	167.622	30208.061	34908.996	22.133	23738.119	33.104	1.015	14.87
2/16/2018 8:25	123900	73.54	17.95	167.62	30208.68	34908.223	22.126	23737.793	33.114	1.015	14.869
2/16/2018 8:30	124200	73.545	17.95	167.632	30218.67	34916.502	22.142	23746.502	33.102	1.015	14.868
2/16/2018 8:35	124500	73.552	17.95	167.647	30227.088	34931.027	22.149	23753.102	33.083	1.015	14.865
2/16/2018 8:40	124800	73.552	17.949	167.644	30212.781	34914.387	22.137	23744.785	33.099	1.015	14.862
2/16/2018 8:45	125100	73.552	17.949	167.648	30213.227	34916.488	22.132	23745.482	33.102	1.015	14.858
2/16/2018 8:50	125400	73.553	17.949	167.645	30213.773	34915.734	22.138	23742.701	33.097	1.015	14.859
2/16/2018 8:55	125700	73.551	17.949	167.649	30213.803	34915.176	22.138	23741.002	33.097	1.015	14.86
2/16/2018 9:00	126000	73.554	17.95	167.651	30213.667	34915.208	22.139	23741.348	33.098	1.015	14.862
2/16/2018 9:05	126300	73.552	17.95	167.647	30210.826	34911.996	22.135	23740.16	33.101	1.015	14.862
2/16/2018 9:10	126600	73.552	17.949	167.647	30209.986	34911.621	22.135	23739.904	33.102	1.015	14.863
2/16/2018 9:15	126900	73.552	17.95	167.659	30207.318	34908.203	22.133	23737.583	33.105	1.015	14.863
2/16/2018 9:20	127200	73.575	17.95	167.699	30192.467	34890.914	22.121	23725.822	33.121	1.015	14.864
2/16/2018 9:25	127500	73.556	17.95	167.658	30203.908	34904.059	22.13	23734.76	33.108	1.015	14.864
2/16/2018 9:30	127800	73.571	17.95	167.704	30215.682	34917.749	22.139	23744.065	33.106	1.015	14.867
2/16/2018 9:35	128100	73.554	17.95	167.651	30188.512	34886.137	22.117	23722.574	33.125	1.015	14.865
2/16/2018 9:40	128400	73.555	17.95	167.655	30186.719	34895.75	22.124	23725.111	33.116	1.015	14.866
2/16/2018 9:45	128700	73.571	17.95	167.685	30193.314	34898.625	22.12	23731.821	33.121	1.015	14.867
2/16/2018 9:50	129000	73.552	17.95	167.648	30208.951	34897.027	22.134	23738.818	33.103	1.015	14.864
2/16/2018 9:55	129300	73.559	17.949	167.664	30196.293	34895.605	22.124	23737.014	33.117	1.015	14.862
2/16/2018 10:00	129600	73.549	17.95	167.664	30196.484	34918.288	22.139	23745.288	33.109	1.015	14.863
2/16/2018 10:05	129900	73.582	17.949	167.716	30198.24	34917.855	22.125	23730.541	33.115	1.015	14.861
2/16/2018 10:10	130200	73.565	17.95	167.678	30210.195	34911.531	22.135	23739.844	33.101	1.015	14.862
2/16/2018 10:15	130500	73.562	17.95	167.683	30202.263	34902.713	22.129	23735.857	33.122	1.015	14.863
2/16/2018 10:20	130800	73.561	17.949	167.669	30195.529	34894.652	22.123	23728.365	33.117	1.015	14.861
2/16/2018 10:25	131100	73.56	17.949	167.666	30211.383	34913.086	22.136	23740.9	33.1	1.015	14.859
2/16/2018 10:30	131400	73.563	17.95	167.673	30213.44	34914.957	22.137	23742.127	33.098	1.015	14.857
2/16/2018 10:35	131700	73.572	17.95	167.693	30210.352	34911.582	22.137	23739.877	33.101	1.015	14.857
2/16/2018 10:40	132000	73.565	17.949	167.677	30216.393	34916.995	22.14	23744.898	33.095	1.015	14.858
2/16/2018 10:45	132300	73.564	17.95	167.676	30193.289	34899.48	22.12	23732.529	33.121	1.015	14.858
2/16/2018 10:50	132600	73.564	17.95	167.676	30200.551	34900.352	22.127	23732.212	33.112	1.015	14.857
2/16/2018 10:55	132900	73.566	17.949	167.68	30195.742	34895.011	22.123	23728.623	33.117	1.015	14.857
2/16/2018 11:00	133200	73.564	17.949	167.676	30206.646	34907.836	22.132	23737.13	33.105	1.015	14.856
2/16/2018 11:05	133500	73.567	17.95	167.681	30196.514	34907.565	22.125	23737.462	33.114	1.015	14.857
2/16/2018 11:10	133800	73.572	17.949	167.694	30199.436	34899.164	22.126	23731.432	33.113	1.015	14.85
2/16/2018 11:15	134100	73.571	17.95	167.691	30216.113	34918.105	22.14	23744.314	33.109	1.015	14.847
2/16/2018 11:20	134400	73.575	17.949	167.695	30196.076	34895.134	22.124	23737.844	33.117	1.015	14.848
2/16/2018 11:25	134700	73.572	17.949	167.694	30212.207	34924.254	22.144	23748.494	33.089	1.015	14.848
2/16/2018 11:30	135000	73.591	17.95	167.737	30206.436	34906.977	22.132	23736.746	33.106	1.015	14.849
2/16/2018 11:35	135300	73.595	17.95	167.757	30197.797	34898.647	22.127	23732.236	33.117	1.015	14.849
2/16/2018 11:40	135600	73.569	17.95	167.687	30197.219	34896.469	22.124	23729.602	33.116	1.015	14.843
2/16/2018 11:45	135900	73.593	17.949	167.742	30199.365	34899.285	22.126	23731.514	33.113	1.015	14.84
2/16/2018 11:50	136200	73.592	17.95	167.749	30195.709	34895.013	22.123	23729.623	33.112	1.015	14.841
2/16/2018 11:55	136500	73.572	17.95	167.694	30183.961	34881.211	22.114	23719.225	33.13	1.015	14.838
2/16/2018 12:00	136800	73.572	17.949	167.692	30195.646	34895.051	22.123	23728.637	33.117	1.015	14.837
2/16/2018 12:05	137100	73.575	17.95	167.7	30195.412	34888.625	22.127	23724.263	33.119	1.015	14.837
2/16/2018 12:10	137400	73.589	17.95	167.731	30182.1	34878.855	22.112	23717.623	33.132	1.015	14.836
2/16/2018 12:15	137700	73.588	17.949	167.729	30196.512	34891.383	22.1	23705.742	33.149	1.015	14.836
2/16/2018 12:20	138000	73.586	17.95	167.741	30174.113	34880.523	22.109	23701.281	33.141	1.015	14.837
2/16/2018 12:25	138300	73.586	17.95	167.734	30171.049	34866.227	22.103	23709.015	33.144	1.015	14.832
2/16/2018 12:30	138600	73.589	17.95	167.686	30170.154	34865.191	22.103	23708.332	33.145	1.015	14.83
2/16/2018 12:35	138900	73.587	17.95	167.677	30176.611	34870.738	22.11	23715.775	33.135	1.015	14.83
2/16/2018 12:40	139200	73.562	17.95	167.669	30168.717	34858.159	22.107	23712.246	33.147	1.015	14.831
2/16/2018 12:45	139500	73.56	17.949	167.666	30168.307	34861.191	22.101	23706.973	33.147	1.015	14.831
2/16/2018 12:50	139800	73.567	17.949	167.667	30164.411	34858.938	22.098	23704.078	33.152	1.015	14.828
2/16/2018 12:55	140100	73.581	17.949	167.713	30171.777	34870.652	22.103</				

2/16/2018 20:10	166200	73364	17949	167219	30151.709	34844.145	22.088	23694.02	33.166	1.015	14.81
2/16/2018 20:15	166200	73366	17949	167219	30160.822	34844.473	22.095	23701.043	33.156	1.015	14.81
2/16/2018 20:20	166800	73367	17949	167225	30164.574	34858.477	22.098	23703.764	33.151	1.015	14.81
2/16/2018 20:25	167100	73384	17949	167391	30139.131	34829.609	22.078	23684.135	33.179	1.015	14.813
2/16/2018 20:30	167400	73366	17949	167219	30142.002	34852.723	22.08	23684.252	33.176	1.015	14.815
2/16/2018 20:35	167700	73388	17949	167359	30173.459	34870.188	22.106	23711.179	33.149	1.015	14.814
2/16/2018 20:40	168000	73373	17949	16724	30164.885	34859.371	22.098	23704.375	33.151	1.015	14.814
2/16/2018 20:45	168300	7337	17949	167232	30144.553	34840.293	22.085	23691.402	33.169	1.015	14.813
2/16/2018 20:50	168600	73379	17949	167219	30154.461	34846.881	22.09	23697.863	33.163	1.015	14.813
2/16/2018 20:55	168900	73373	17949	167241	30161.813	34855.555	22.096	23701.779	33.155	1.015	14.813
2/16/2018 21:00	169200	73375	17949	167243	30159.482	34851.309	22.094	23700.117	33.157	1.015	14.814
2/16/2018 21:05	169500	73383	17949	167261	30163.402	34857.508	22.097	23701.165	33.153	1.015	14.813
2/16/2018 21:10	169800	73385	17949	167266	30166.699	34861.199	22.1	23705.615	33.149	1.015	14.812
2/16/2018 21:15	170100	73384	17949	167264	30152.633	34848.805	22.088	23694.467	33.165	1.015	14.811
2/16/2018 21:20	170400	73384	17949	167265	30157.133	34853.523	22.084	23697.158	33.171	1.015	14.812
2/16/2018 21:25	170700	73387	17949	167307	30152.883	34845.504	22.089	23694.945	33.164	1.015	14.813
2/16/2018 21:30	171000	73387	17949	167271	30150.742	34842.617	22.087	23692.982	33.167	1.015	14.814
2/16/2018 21:35	171300	73387	17949	167272	30158.547	34851.389	22.093	23697.438	33.158	1.015	14.815
2/16/2018 21:40	171600	73386	17949	167269	30148.971	34840.98	22.086	23691.867	33.169	1.015	14.817
2/16/2018 21:45	171900	73388	17949	167274	30158.029	34851.449	22.093	23698.988	33.159	1.015	14.818
2/16/2018 21:50	172200	73389	17949	167277	30173.18	34857.508	22.104	23712.865	33.127	1.015	14.817
2/16/2018 21:55	172500	73415	17949	167336	30162.273	34856.02	22.096	23702.096	33.154	1.015	14.816
2/16/2018 22:00	172800	73402	17949	167305	30158.811	34852.082	22.093	23699.418	33.158	1.015	14.814
2/16/2018 22:05	173100	73409	17949	167329	30151.494	34843.762	22.088	23691.752	33.166	1.015	14.815
2/16/2018 22:10	173400	73401	17949	167304	30154.906	34848.403	22.091	23696.47	33.162	1.015	14.815
2/16/2018 22:15	173700	73423	17949	167353	30159.354	34852.371	22.094	23699.613	33.157	1.015	14.816
2/16/2018 22:20	174000	73432	17949	167348	30152.582	34844.617	22.088	23694.342	33.165	1.015	14.818
2/16/2018 22:25	174300	73439	17949	167391	30154.459	34858.816	22.098	23701.896	33.152	1.015	14.82
2/16/2018 22:30	174600	734	17949	1673	30174016	34880.926	22.106	23711.549	33.141	1.015	14.822
2/16/2018 22:35	174900	73439	17949	167349	30158.854	34852.348	22.094	23702.029	33.157	1.015	14.82
2/16/2018 22:40	175200	73409	17949	167321	30156.534	34867.756	22.092	23701.637	33.16	1.015	14.819
2/16/2018 22:45	175500	73429	17949	167338	30173.168	34868.609	22.105	23710.655	33.142	1.015	14.817
2/16/2018 22:50	175800	73437	17949	167339	30153.672	34848.855	22.091	23697.224	33.161	1.015	14.816
2/16/2018 22:55	176100	73435	17949	167341	30174.045	34868.686	22.109	23711.386	33.141	1.015	14.817
2/16/2018 23:00	176400	73438	17949	167341	30173.352	34868.023	22.105	23710.938	33.142	1.015	14.815
2/16/2018 23:05	176700	73436	17949	167384	30158	34850.52	22.092	23698.512	33.159	1.015	14.816
2/16/2018 23:10	177000	73437	17949	167347	30171.007	34866.303	22.103	23709.084	33.144	1.015	14.817
2/16/2018 23:15	177300	73442	17949	167396	30158.377	34851.383	22.093	23698.941	33.158	1.015	14.817
2/16/2018 23:20	177600	73444	17949	167401	30166.258	34860.625	22.099	23705.225	33.15	1.015	14.818
2/16/2018 23:25	177900	73458	17949	167431	30159.363	34853.604	22.104	23703.077	33.157	1.015	14.82
2/16/2018 23:30	178200	73451	17949	167407	30170.107	34865.273	22.103	23708.387	33.145	1.015	14.821
2/16/2018 23:35	178500	73432	17949	167375	30168.023	34862.863	22.101	23706.748	33.148	1.015	14.819
2/16/2018 23:40	178800	73457	17949	167409	30165.684	34864.797	22.107	23699.1	33.167	1.015	14.817
2/16/2018 23:45	179100	73452	17949	167419	30173.146	34868.809	22.105	23710.793	33.142	1.015	14.815
2/16/2018 23:50	179400	73444	17949	167401	30156.404	34849.57	22.092	23697.711	33.16	1.015	14.817
2/16/2018 23:55	179700	73458	17949	167384	30155.139	34851.786	22.09	23698.579	33.16	1.015	14.819
2/17/2018 00:00	180000	73443	17949	167398	30148.668	34840.902	22.086	23691.816	33.169	1.015	14.821
2/17/2018 00:05	180300	73441	17949	167394	30155.101	34848.172	22.091	23696.758	33.162	1.015	14.821
2/17/2018 00:10	180600	73459	17949	167401	30155.535	34853.989	22.093	23704.795	33.159	1.015	14.82
2/17/2018 00:15	180900	73444	17949	167401	30152.096	34844.457	22.088	23694.23	33.165	1.015	14.82
2/17/2018 00:20	181200	73444	17949	167402	30154.47	34847.363	22.09	23696.209	33.162	1.015	14.821
2/17/2018 00:25	181500	73437	17949	167399	30146.597	34837.906	22.083	23688.779	33.172	1.015	14.822
2/17/2018 00:30	181800	73458	17949	167434	30158.066	34851.359	22.093	23698.826	33.158	1.015	14.82
2/17/2018 00:35	182100	73447	17949	167409	30172.564	34868.246	22.105	23710.408	33.143	1.015	14.821
2/17/2018 00:40	182400	73445	17949	167436	30172.644	34871.367	22.107	23712.529	33.14	1.015	14.819
2/17/2018 00:45	182700	73449	17949	167432	30162.078	34855.485	22.092	23697.854	33.154	1.015	14.818
2/17/2018 00:50	183000	73452	17949	167419	30160.457	34854.121	22.095	23700.805	33.156	1.015	14.819
2/17/2018 00:55	183300	73467	17949	167455	30166.512	34860.918	22.1	23705.426	33.149	1.015	14.819
2/17/2018 01:00	183600	73459	17949	167439	30149.386	34846.805	22.086	23697.129	33.168	1.015	14.82
2/17/2018 01:05	183900	73449	17949	167405	30156.67	34849.945	22.092	23697.963	33.16	1.015	14.818
2/17/2018 01:10	184200	73457	17949	167431	30160.307	34844.07	22.102	23707.568	33.146	1.015	14.817
2/17/2018 01:15	184500	73454	17949	167434	30164.602	34847.429	22.09	23698.25	33.162	1.015	14.817
2/17/2018 01:20	184800	73458	17949	167434	30161.404	34849.738	22.095	23701.223	33.155	1.015	14.816
2/17/2018 01:25	185100	73478	17949	167479	30171.639	34868.844	22.104	23709.453	33.144	1.015	14.817
2/17/2018 01:30	185400	73458	17949	167435	30165.525	34855.305	22.096	23698.516	33.16	1.015	14.817
2/17/2018 01:35	185700	73459	17949	167436	30168.779	34863.809	22.102	23707.393	33.147	1.015	14.816
2/17/2018 01:40	186000	73457	17949	167432	30168.336	34851.805	22.093	23699.229	33.158	1.015	14.815
2/17/2018 01:45	186300	73458	17949	167434	30165.963	34855.666	22.096	23698.516	33.16	1.015	14.817
2/17/2018 01:50	186600	73475	17949	167473	30148.805	34840.586	22.085	23691.602	33.169	1.015	14.815
2/17/2018 01:55	186900	73454	17949	167424	30160.971	34849.715	22.095	23697.415	33.155	1.015	14.816
2/17/2018 02:00	187200	73457	17949	167432	30171.402	34848.085	22.102	23703.467	33.157	1.015	14.817
2/17/2018 02:05	187500	73472	17949	167466	30128.727	34817.453	22.069	23675.871	33.191	1.015	14.818
2/17/2018 02:10	187800	73456	17949	16743	30166.244	34849.387	22.091	23697.586	33.161	1.015	14.818
2/17/2018 02:15	188100	73463	17949	167439	30163.809	34847.908	22.092	23702.523	33.152	1.015	14.819
2/17/2018 02:20	188400	73472	17949	167465	30158.594	34851.563	22.093	23699.064	33.158	1.015	14.817
2/17/2018 02:25	188700	73451	17949	167417	30160.881	34844.609	22.095	23701.135	33.156	1.015	14.815
2/17/2018 02:30	189000	73457	17949	167435	30159.14	34851.094	22.093	23702.102	33.157	1.015	14.813
2/17/2018 02:35	189300	73476	17949	167473	30170.027	34865.383	22.092	23698.183	33.16	1.015	14.813
2/17/2018 02:40	189600	73456	17949	167429	30168.227	34862.898	22.101	23706.771	33.147	1.015	14.813
2/17/2018 02:45	189900	73456	17949	167438	30166.764	34861.672	22.1	23705.998	33.149	1.015	14.818
2/17/2018 02:50	190200	73454	17949	167423	30158.695	34852.213	22.093	23699.51	33.158	1.015	14.813
2/17/2018 02:55	190500	73452	17949	16742	30159.652	34853.121	22.094				

2/17/2018 10:05	216300	73467	17949	167454	30162.109	34856.102	22.096	23702.15	33.154	1.015	14.811
2/17/2018 10:10	216300	73464	17949	167469	30164.791	34856.797	22.098	23702.982	33.151	1.015	14.812
2/17/2018 10:15	216900	73473	17949	167488	30167.742	34856.742	22.098	23703.742	33.152	1.015	14.813
2/17/2018 10:20	217200	73477	1795	167478	30163.014	34856.875	22.097	23702.678	33.153	1.015	14.81
2/17/2018 10:25	217500	73478	17949	167479	30161.658	34855.234	22.095	23701.561	33.155	1.015	14.809
2/17/2018 10:30	217800	73484	17949	167493	30155.236	34852.109	22.075	23681.079	33.184	1.015	14.806
2/17/2018 10:35	218100	73484	1795	167492	30154.404	34846.793	22.09	23695.822	33.163	1.015	14.806
2/17/2018 10:40	218400	73482	17949	167488	30151.814	34855.953	22.096	23702.049	33.155	1.015	14.807
2/17/2018 10:45	218700	73486	17949	167487	30148.218	34849.075	22.095	23697.251	33.169	1.015	14.807
2/17/2018 10:50	219000	73481	17949	167480	30148.049	34877.988	22.111	23717.033	33.133	1.015	14.809
2/17/2018 10:55	219300	73482	17949	167489	30148.719	34840.355	22.085	23701.443	33.169	1.015	14.81
2/17/2018 11:00	219600	73485	17949	167485	30141.805	34832.796	22.08	23686.281	33.177	1.015	14.811
2/17/2018 11:05	219900	73487	17949	167490	30140.434	34858.164	22.098	23701.555	33.153	1.015	14.809
2/17/2018 11:10	220200	7349	17949	167506	30137.568	34862.41	22.101	23706.439	33.148	1.015	14.807
2/17/2018 11:15	220500	73511	17949	167513	30131.707	34854.586	22.09	23695.48	33.163	1.015	14.805
2/17/2018 11:20	220800	73491	17949	167515	30167.25	34861.973	22.1	23706.145	33.149	1.015	14.805
2/17/2018 11:25	221100	73492	17949	167512	30154.152	34847.035	22.09	23695.986	33.163	1.015	14.806
2/17/2018 11:30	221400	73494	17949	167514	30154.354	34847.312	22.09	23695.186	33.163	1.015	14.806
2/17/2018 11:35	221700	73494	17949	167515	30154.803	34847.46	22.09	23696.41	33.162	1.015	14.804
2/17/2018 11:40	222000	73498	17949	167524	30160.906	34854.902	22.095	23701.336	33.156	1.015	14.803
2/17/2018 11:45	222300	73511	17949	167513	30142.84	34851.895	22.081	23697.021	33.175	1.015	14.802
2/17/2018 11:50	222600	73496	17949	167521	30170.506	34865.934	22.103	23708.838	33.145	1.015	14.8
2/17/2018 11:55	222900	73504	1795	167537	30151.678	34841.906	22.088	23693.859	33.166	1.015	14.798
2/17/2018 12:00	223200	73523	1795	167581	30153.002	34851.438	22.089	23694.9	33.164	1.015	14.797
2/17/2018 12:05	223500	73506	17949	167543	30145.109	34836.855	22.083	23689.064	33.173	1.015	14.792
2/17/2018 12:10	223800	73512	1795	167556	30162.818	34856.781	22.097	23702.611	33.153	1.015	14.788
2/17/2018 12:15	224100	73516	17949	167567	30153.415	34838.816	22.084	23690.395	33.171	1.015	14.783
2/17/2018 12:20	224400	73511	1795	167554	30154.148	34846.785	22.09	23697.816	33.169	1.015	14.786
2/17/2018 12:25	224700	73508	1795	167547	30164.03	34858.078	22.098	23701.494	33.152	1.015	14.789
2/17/2018 12:30	225000	73504	1795	167538	30153.262	34844.582	22.088	23694.216	33.165	1.015	14.793
2/17/2018 12:35	225300	73507	1795	167544	30166.095	34851.703	22.099	23700.113	33.15	1.015	14.788
2/17/2018 12:40	225600	73516	1795	167565	30145.865	34837.125	22.083	23689.248	33.172	1.015	14.784
2/17/2018 12:45	225900	73511	1795	167555	30139.48	34825.605	22.078	23684.133	33.179	1.015	14.78
2/17/2018 12:50	226200	73509	17949	167525	30152.701	34846.449	22.089	23697.588	33.163	1.015	14.783
2/17/2018 12:55	226500	73528	1795	167592	30151.46	34843.48	22.087	23693.566	33.166	1.015	14.78
2/17/2018 13:00	226800	73506	1795	167543	30159.875	34853.113	22.094	23700.119	33.157	1.015	14.78
2/17/2018 13:05	227100	73508	17949	167542	30151.912	34844.1	22.088	23694.136	33.165	1.015	14.78
2/17/2018 13:10	227400	73522	17949	16761.475	34855.5	34855.5	22.096	23701.742	33.155	1.015	14.779
2/17/2018 13:15	227700	73525	17949	167585	30140.752	34831.484	22.079	23685.412	33.178	1.015	14.779
2/17/2018 13:20	228000	73548	17949	167511	30154.388	34857.013	22.083	23698.212	33.172	1.015	14.777
2/17/2018 13:25	228300	73498	1795	167525	30171.697	34871.258	22.107	23711.455	33.139	1.015	14.779
2/17/2018 13:30	228600	73496	17949	167519	30153.45	34846.75	22.09	23695.791	33.163	1.015	14.78
2/17/2018 13:35	228900	73502	1795	167536	30156.379	34858.258	22.093	23697.649	33.16	1.015	14.775
2/17/2018 13:40	229200	73524	17949	167584	30166.895	34862.013	22.1	23706.182	33.149	1.015	14.77
2/17/2018 13:45	229500	73504	17949	167538	30152.934	34845.629	22.089	23696.027	33.164	1.015	14.766
2/17/2018 13:50	229800	73498	17949	167518	30151.318	34840.166	22.079	23694.048	33.18	1.015	14.767
2/17/2018 13:55	230100	73495	1795	167520	30150.209	34842.078	22.086	23692.613	33.167	1.015	14.772
2/17/2018 14:00	230400	73507	17949	167546	30154.625	34847.383	22.09	23696.223	33.162	1.015	14.775
2/17/2018 14:05	230700	735	1795	167506	30171.717	34856.854	22.104	23706.464	33.144	1.015	14.773
2/17/2018 14:10	231000	73487	17949	167498	30148.068	34840.066	22.085	23691.248	33.17	1.015	14.774
2/17/2018 14:15	231300	73485	17949	167495	30151.467	34846.403	22.089	23695.311	33.164	1.015	14.773
2/17/2018 14:20	231600	73481	17949	167511	30155.161	34848.729	22.091	23696.451	33.162	1.015	14.777
2/17/2018 14:25	231900	73489	17949	167503	30143.375	34857.302	22.082	23698.302	33.174	1.015	14.769
2/17/2018 14:30	232200	73486	17949	167498	30140.482	34847.398	22.111	23716.633	33.134	1.015	14.767
2/17/2018 14:35	232500	73475	17949	167472	30172.852	34848.781	22.105	23717.073	33.142	1.015	14.762
2/17/2018 14:40	232800	73476	17949	167474	30152.094	34846.288	22.088	23694.531	33.165	1.015	14.769
2/17/2018 14:45	233100	73495	1795	167517	30168.451	34863.16	22.101	23706.951	33.147	1.015	14.769
2/17/2018 14:50	233400	7347	17949	16746	30156.039	34859.281	22.098	23701.311	33.151	1.015	14.769
2/17/2018 14:55	233700	73481	17949	167479	30149.584	34841.191	22.096	23696.121	33.168	1.015	14.77
2/17/2018 15:00	234000	73464	17949	167446	30151.893	34844.488	22.088	23694.254	33.165	1.015	14.77
2/17/2018 15:05	234300	73464	17949	167446	30171.812	34851.16	22.093	23696.789	33.159	1.015	14.769
2/17/2018 15:10	234600	73462	17949	167462	30165.665	34846.739	22.099	23704.623	33.15	1.015	14.768
2/17/2018 15:15	234900	73464	17949	167447	30168.895	34828.871	22.077	23683.635	33.18	1.015	14.768
2/17/2018 15:20	235200	73456	17949	16743	30151.127	34843.41	22.087	23693.521	33.166	1.015	14.767
2/17/2018 15:25	235500	73459	17949	167458	30156.439	34846.613	22.092	23697.735	33.16	1.015	14.765
2/17/2018 15:30	235800	73448	17949	167411	30149.539	34841.637	22.086	23692.314	33.168	1.015	14.767
2/17/2018 15:35	236100	73445	17949	167403	30162.697	34856.711	22.097	23702.566	33.154	1.015	14.767
2/17/2018 15:40	236400	73448	17949	167412	30151.214	34846.41	22.093	23694.203	33.167	1.015	14.767
2/17/2018 15:45	236700	73442	1795	167396	30154.391	34846.91	22.09	23695.9	33.163	1.015	14.767
2/17/2018 15:50	237000	73459	17949	167435	30168.268	34851.727	22.093	23698.176	33.158	1.015	14.766
2/17/2018 15:55	237300	73457	1795	167386	30158.215	34851.293	22.093	23697.879	33.159	1.015	14.765
2/17/2018 16:00	237600	73457	1795	167432	30168.313	34863	22.101	23706.84	33.147	1.015	14.764
2/17/2018 16:05	237900	73432	17949	167373	30157.105	34850.32	22.092	23698.219	33.16	1.015	14.766
2/17/2018 16:10	238200	73439	17949	167349	30156.664	34843.11	22.093	23697.448	33.16	1.015	14.767
2/17/2018 16:15	238500	73419	1795	167345	30152.166	34844.406	22.088	23694.199	33.165	1.015	14.769
2/17/2018 16:20	238800	73418	17949	167341	30150.07	34842.652	22.087	23693.004	33.167	1.015	14.769
2/17/2018 16:25	239100	73415	17949	167335	30151.987	34844.013	22.083	23693.93	33.165	1.015	14.768
2/17/2018 16:30	239400	73417	17949	167385	30157.863	34851.527	22.093	23699.039	33.159	1.015	14.77
2/17/2018 16:35	239700	73411	17949	167327	30155.777	34848.578	22.091	23697.035	33.161	1.015	14.766
2/17/2018 16:40	240000	73409	17949	167337	30156.263	34851.922	22.094	23697.988	33.163	1.015	14.763
2/17/2018 16:45	240300	73413	1795	167342	30157.469	34850.227	22.092	23696.333	33.159	1.015	14.765
2/17/2018 16:50	240600	73404	1795	167311	30160.672	34842.48	22.087	23693.021	33.167	1.015	14.7

2/18/2018 0:00	266400	73424	17949	107.355	30161.885	34855.906	22.096	23702.018	33.154	1.015	14.754
2/18/2018 0:05	266700	73424	17949	107.341	30155.107	34848.41	22.091	23696.82	33.162	1.015	14.754
2/18/2018 0:10	267000	73405	17949	107.312	30136.324	34842.41	22.087	23692.84	33.167	1.015	14.753
2/18/2018 0:15	267300	73413	17949	107.33	30162.563	34856.816	22.097	23702.637	33.154	1.015	14.753
2/18/2018 0:20	267600	73421	17949	107.325	30163.402	34857.789	22.097	23703.299	33.153	1.015	14.751
2/18/2018 0:25	267900	73415	1795	107.335	30149.652	34841.17	22.086	23692.268	33.168	1.015	14.749
2/18/2018 0:30	268200	73416	17949	107.337	30152.967	34845.598	22.089	23695.008	33.164	1.015	14.747
2/18/2018 0:35	268500	73434	17949	107.378	30126.873	34831.445	22.068	23674.506	33.193	1.015	14.746
2/18/2018 0:40	268800	73426	17949	107.347	30147.611	34839.23	22.084	23690.814	33.17	1.015	14.744
2/18/2018 0:45	269100	73449	1795	107.412	30166.611	34861.015	22.1	23705.506	33.149	1.015	14.743
2/18/2018 0:50	269400	73424	17949	107.357	30143.541	34835.449	22.096	23701.705	33.155	1.015	14.744
2/18/2018 0:55	269700	73441	17949	107.395	30145.41	34836.73	22.083	23688.979	33.173	1.015	14.745
2/18/2018 1:00	270000	73426	1795	107.36	30149.799	34830.18	22.078	23684.523	33.179	1.015	14.746
2/18/2018 1:05	270300	73419	17949	107.345	30141.818	34832.652	22.08	23684.205	33.176	1.015	14.747
2/18/2018 1:10	270600	73423	17949	107.354	30146.295	34834.934	22.083	23686.115	33.173	1.015	14.748
2/18/2018 1:15	270900	73441	17949	107.394	30167.088	34862.047	22.1	23706.191	33.149	1.015	14.751
2/18/2018 1:20	271200	73444	17949	107.401	30159.396	34850.785	22.092	23698.533	33.159	1.015	14.749
2/18/2018 1:25	271500	73429	17949	107.377	30159.277	34852.867	22.094	23699.9657	33.157	1.015	14.748
2/18/2018 1:30	271800	73428	17949	107.364	30155.262	34848.523	22.091	23696.996	33.162	1.015	14.746
2/18/2018 1:35	272100	73452	17949	107.42	30147.752	34839.641	22.085	23690.957	33.17	1.015	14.746
2/18/2018 1:40	272400	73427	17949	107.363	30153.799	34846.691	22.09	23695.752	33.163	1.015	14.745
2/18/2018 1:45	272700	73449	17949	107.414	30153.938	34846.789	22.09	23695.818	33.163	1.015	14.744
2/18/2018 1:50	273000	73427	17949	107.362	30143.473	34834.492	22.081	23687.457	33.175	1.015	14.745
2/18/2018 1:55	273300	73427	17949	107.363	30150.002	34832.561	22.094	23689.797	33.158	1.015	14.747
2/18/2018 2:00	273600	73426	17949	107.36	30141.805	34832.367	22.08	23686.01	33.177	1.015	14.748
2/18/2018 2:05	273900	73432	17949	107.375	30142.936	34834.074	22.081	23687.172	33.175	1.015	14.746
2/18/2018 2:10	274200	73425	17949	107.381	30157.25	34835.637	22.092	23688.422	33.16	1.015	14.743
2/18/2018 2:15	274500	73438	17949	107.387	30158.084	34837.293	22.097	23701.261	33.153	1.015	14.74
2/18/2018 2:20	274800	73433	17949	107.423	30157.863	34831.324	22.093	23688.902	33.159	1.015	14.74
2/18/2018 2:25	275100	73434	17949	107.424	30173.268	34840.059	22.105	23710.063	33.147	1.015	14.739
2/18/2018 2:30	275400	73432	17949	107.42	30162.25	34846.395	22.095	23702.3	33.154	1.015	14.74
2/18/2018 2:35	275700	73451	17949	107.418	30151.527	34844.006	22.088	23693.967	33.166	1.015	14.74
2/18/2018 2:40	276000	73432	17949	107.375	30144.793	34835.398	22.082	23688.072	33.174	1.015	14.74
2/18/2018 2:45	276300	73429	17949	107.367	30154.177	34847.889	22.09	23696.565	33.162	1.015	14.742
2/18/2018 2:50	276600	73449	1795	107.412	30155.975	34848.664	22.091	23697.092	33.161	1.015	14.739
2/18/2018 2:55	276900	7343	17949	107.368	30164.975	34830.545	22.099	23704.49	33.151	1.015	14.737
2/18/2018 3:00	277200	73429	17949	107.367	30163.12	34837.793	22.097	23701.307	33.153	1.015	14.74
2/18/2018 3:05	277500	73447	17949	107.408	30155.346	34848.285	22.091	23696.834	33.162	1.015	14.738
2/18/2018 3:10	277800	73428	17949	107.366	30154.777	34847.42	22.09	23696.518	33.162	1.015	14.74
2/18/2018 3:15	278100	73429	17949	107.366	30161.18	34842.337	22.087	23692.777	33.167	1.015	14.742
2/18/2018 3:20	278400	73424	17949	107.357	30150.594	34842.926	22.087	23693.191	33.167	1.015	14.74
2/18/2018 3:25	278700	73445	17949	107.404	30144.811	34836.175	22.082	23688.736	33.173	1.015	14.739
2/18/2018 3:30	279000	73423	17949	107.363	30159.942	34831.584	22.094	23692.444	33.157	1.015	14.74
2/18/2018 3:35	279300	73424	17949	107.357	30156.205	34849.742	22.092	23697.824	33.161	1.015	14.738
2/18/2018 3:40	279600	73443	17949	107.399	30160.049	34849.121	22.095	23700.805	33.156	1.015	14.739
2/18/2018 3:45	279900	73421	17949	107.347	30143.77	34837.136	22.086	23697.136	33.161	1.015	14.739
2/18/2018 3:50	280200	73434	17949	107.413	30143.795	34835.129	22.082	23687.889	33.174	1.015	14.738
2/18/2018 3:55	280500	73435	17949	107.382	30141.873	34832.91	22.08	23686.381	33.176	1.015	14.737
2/18/2018 4:00	280800	73436	17949	107.383	30151.133	34834.905	22.095	23702.335	33.155	1.015	14.735
2/18/2018 4:05	281100	73416	17949	107.338	30159.857	34853.5	22.094	23687.889	33.157	1.015	14.736
2/18/2018 4:10	281400	73431	17949	107.372	30153.666	34846.609	22.09	23695.695	33.163	1.015	14.737
2/18/2018 4:15	281700	73434	17949	107.384	30150.646	34839.218	22.087	23693.184	33.167	1.015	14.738
2/18/2018 4:20	282000	73412	1795	107.329	30157.047	34850.076	22.092	23698.076	33.16	1.015	14.736
2/18/2018 4:25	282300	73416	17949	107.338	30145.432	34836.891	22.083	23689.086	33.173	1.015	14.735
2/18/2018 4:30	282600	73433	17949	107.395	30155.557	34848.793	22.091	23697.182	33.161	1.015	14.738
2/18/2018 4:35	282900	73407	17949	107.317	30157.869	34850.551	22.091	23697.372	33.159	1.015	14.74
2/18/2018 4:40	283200	73408	1795	107.32	30145.074	34836.273	22.082	23688.668	33.173	1.015	14.735
2/18/2018 4:45	283500	73409	17949	107.322	30140.049	34831.852	22.095	23700.621	33.156	1.015	14.736
2/18/2018 4:50	283800	73403	17949	107.303	30140.15	34831.461	22.079	23694.389	33.178	1.015	14.737
2/18/2018 4:55	284100	73403	17949	107.308	30156.359	34830.121	22.099	23704.883	33.151	1.015	14.739
2/18/2018 5:00	284400	73406	17949	107.31	30138.666	34829.473	22.078	23694.041	33.18	1.015	14.74
2/18/2018 5:05	284700	73423	17949	107.325	30147.295	34840.386	22.095	23701.181	33.165	1.015	14.741
2/18/2018 5:10	285000	73422	17949	107.314	30140.131	34830.832	22.079	23684.967	33.178	1.015	14.742
2/18/2018 5:15	285300	73403	17949	107.307	30138.133	34831.699	22.093	23699.158	33.159	1.015	14.743
2/18/2018 5:20	285600	734	17949	107.302	30139.109	34840.052	22.09	23707.552	33.166	1.015	14.744
2/18/2018 5:25	285900	73.4	17949	107.3	30156.396	34849.629	22.092	23697.75	33.16	1.015	14.744
2/18/2018 5:30	286200	73395	17949	107.291	30154.557	34847.816	22.09	23696.516	33.163	1.015	14.745
2/18/2018 5:35	286500	73391	17949	107.287	30145.122	34845.529	22.083	23692.843	33.167	1.015	14.746
2/18/2018 5:40	286800	73399	17949	107.298	30143.742	34835.273	22.082	23687.988	33.174	1.015	14.741
2/18/2018 5:45	287100	73401	17949	107.303	30154.975	34835.676	22.099	23704.58	33.151	1.015	14.74
2/18/2018 5:50	287400	73391	17949	107.28	30145.18	34837	22.087	23692.162	33.161	1.015	14.742
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2/19/2018 900	385200	73412	17949	167328	30152689	3484541	22.089	23684879	33.165	1.015	14.74
2/19/2018 905	385500	73435	17949	167381	30122155	3482182	22.072	23678388	33.187	1.015	14.741
2/19/2018 910	385800	7341	17949	167324	3015468	34842428	22.088	23694086	33.166	1.015	14.742
2/19/2018 915	386100	73409	17949	167322	30144848	34836348	22.082	23688719	33.173	1.015	14.743
2/19/2018 920	386400	73408	17949	167339	30129426	3481873	22.07	23676736	33.19	1.015	14.745
2/19/2018 925	386700	73429	17949	167366	30123885	34824024	22.077	23678102	33.185	1.015	14.743
2/19/2018 930	387000	73433	17949	167376	30126303	3481532	22.068	2367442	33.194	1.015	14.747
2/19/2018 935	387300	73405	17949	167332	30148023	34841512	22.086	2369223	33.169	1.015	14.749
2/19/2018 940	387600	73429	17949	167366	30143788	34832645	22.085	23686885	33.167	1.015	14.756
2/19/2018 945	387900	73406	17949	167335	30152301	34845031	22.088	23694621	33.165	1.015	14.754
2/19/2018 950	388200	73409	17949	167322	30148377	34835496	22.082	23688137	33.174	1.015	14.754
2/19/2018 955	388500	7343	17949	167337	30148388	3484148	22.086	23691203	33.169	1.015	14.753
2/19/2018 1000	388800	73408	17949	16732	30144483	3483673	22.083	23688979	33.173	1.015	14.755
2/19/2018 1005	389100	7342	17949	167347	30144412	34816113	22.082	23688559	33.174	1.015	14.754
2/19/2018 1010	389400	73435	17948	167348	30143076	34815062	22.081	23687734	33.175	1.015	14.753
2/19/2018 1015	389700	73433	17948	167376	30116328	34806425	22.065	23676625	33.185	1.015	14.752
2/19/2018 1020	390000	73423	17949	167333	30131971	34821984	22.074	23680311	33.185	1.015	14.753
2/19/2018 1025	390300	73433	17949	167343	3013507	34825516	22.075	23684354	33.175	1.015	14.753
2/19/2018 1030	390600	73418	17949	167342	30134867	34825242	22.075	23684164	33.184	1.015	14.754
2/19/2018 1035	390900	73427	17949	167363	30151547	3482184	22.072	23678406	33.188	1.015	14.752
2/19/2018 1040	391200	7343	17949	167389	30153963	34847285	22.09	23696156	33.163	1.015	14.751
2/19/2018 1045	391500	73429	17949	167362	30153557	34845657	22.089	23696562	33.164	1.015	14.752
2/19/2018 1050	391800	73438	17949								

2/19/2018 17:45	416700	73415	17949	107336	30144461	34836238	22.082	23688.645	33.174	1.015	14.754
2/19/2018 17:50	416700	73417	17948	107340	30137795	34836268	22.077	23688.494	33.181	1.015	14.753
2/19/2018 17:55	417100	73411	17948	107327	30142236	34832265	22.087	23688.201	33.177	1.015	14.752
2/19/2018 18:00	417600	73407	17949	107318	30134035	34834258	22.074	23680.498	33.185	1.015	14.751
2/19/2018 18:05	417900	73403	17949	107313	30131264	34834031	22.083	23684.038	33.166	1.015	14.751
2/19/2018 18:10	418200	73404	17948	1073379	30132896	34832004	22.073	23678.645	33.186	1.015	14.751
2/19/2018 18:15	418500	73411	17949	107327	30147088	34839134	22.084	23680.754	33.171	1.015	14.751
2/19/2018 18:20	418800	73409	17949	107322	30147369	34839062	22.085	23690.932	33.17	1.015	14.752
2/19/2018 18:25	419100	73387	17948	107321	30147703	34837009	22.069	23671.569	33.192	1.015	14.752
2/19/2018 18:30	419400	7314	17948	107302	30141291	34831352	22.082	23688.039	33.175	1.015	14.752
2/19/2018 18:35	419700	73399	17948	107299	30131148	34821434	22.072	23678.576	33.188	1.015	14.755
2/19/2018 18:40	420000	73397	17949	107319	30131871	34842134	22.088	23694.422	33.165	1.015	14.758
2/19/2018 18:45	420300	73393	17949	107286	30121822	34830145	22.064	23670.9	33.199	1.015	14.761
2/19/2018 18:50	420600	73139	17948	107277	30145381	34837496	22.083	23688.498	33.173	1.015	14.76
2/19/2018 18:55	420900	73399	17949	107278	30127824	34831679	22.069	23675.48	33.197	1.015	14.759
2/19/2018 19:00	421200	73394	17948	107287	3013649	34827147	22.076	23682.471	33.182	1.015	14.757
2/19/2018 19:05	421500	73409	17948	107321	30160584	34855207	22.096	23701.541	33.156	1.015	14.76
2/19/2018 19:10	421800	73387	17948	107281	30142362	34834168	22.081	23697.234	33.175	1.015	14.762
2/19/2018 19:15	422100	73382	17949	107261	30152225	34845172	22.089	23694.717	33.165	1.015	14.764
2/19/2018 19:20	422400	73385	17948	107266	30151434	34844426	22.088	23694.211	33.166	1.015	14.764
2/19/2018 19:25	422700	73293	17949	107284	30148225	34840213	22.085	23691.631	33.169	1.015	14.764
2/19/2018 19:30	423000	73384	17949	107266	30144129	34835387	22.082	23688.064	33.174	1.015	14.764
2/19/2018 19:35	423300	73402	17949	107307	30151271	34844109	22.088	23691.994	33.166	1.015	14.766
2/19/2018 19:40	423600	73379	17949	107329	30153996	34846762	22.09	23695.785	33.163	1.015	14.769
2/19/2018 19:45	423900	73394	17948	107287	30141236	34832379	22.08	23686.018	33.177	1.015	14.771
2/19/2018 19:50	424200	73375	17949	107244	30136107	34826516	22.075	23682.031	33.183	1.015	14.769
2/19/2018 19:55	424500	73386	17948	107293	30141188	34832252	22.08	23686.205	33.177	1.015	14.767
2/19/2018 20:00	424800	7338	17948	107255	30146133	34836108	22.084	23690.188	33.172	1.015	14.765
2/19/2018 20:05	425100	73377	17949	107248	30149561	34842199	22.086	23692.695	33.168	1.015	14.765
2/19/2018 20:10	425400	73378	17948	107252	30146602	34837497	22.083	23691.583	33.191	1.015	14.765
2/19/2018 20:15	425700	7338	17949	107255	30146316	34836102	22.084	23691.316	33.172	1.015	14.765
2/19/2018 20:20	426000	73383	17949	107263	30130207	34831559	22.071	23677.301	33.189	1.015	14.766
2/19/2018 20:25	426300	73379	17949	107254	30151297	34846145	22.089	23695.379	33.164	1.015	14.766
2/19/2018 20:30	426600	7314	17948	107302	30141291	34831352	22.079	23688.039	33.175	1.015	14.768
2/19/2018 20:35	426900	73398	17948	107298	30139183	34831469	22.079	23685.4	33.179	1.015	14.768
2/19/2018 20:40	427200	73379	17948	107253	30145502	34837777	22.083	23698.689	33.172	1.015	14.77
2/19/2018 20:45	427500	7338	17948	107259	30142289	3483851	22.081	23697.021	33.176	1.015	14.772
2/19/2018 20:50	427800	73399	17948	107254	30144965	34837285	22.083	23689.354	33.173	1.015	14.772
2/19/2018 20:55	428100	73401	17948	107304	30151533	34846469	22.088	23694.336	33.166	1.015	14.772
2/19/2018 21:00	428400	73381	17948	107297	30150102	34842187	22.087	23692.107	33.167	1.015	14.773
2/19/2018 21:05	428700	73383	17948	107282	30141287	34832703	22.08	23686.238	33.177	1.015	14.777
2/19/2018 21:10	429000	73138	17948	107257	30128199	34831555	22.07	23676.619	33.191	1.015	14.781
2/19/2018 21:15	429300	73387	17949	107289	30147384	34842211	22.085	23691.345	33.17	1.015	14.78
2/19/2018 21:20	429600	73373	17948	107319	30137393	34828263	22.077	23683.223	33.181	1.015	14.787
2/19/2018 21:25	429900	73376	17949	107245	30155506	34825621	22.075	23681.424	33.183	1.015	14.788
2/19/2018 21:30	430200	73378	17948	107251	30145882	34836773	22.076	23685.771	33.173	1.015	14.79
2/19/2018 21:35	430500	7314	17948	1073	30143543	34835574	22.082	23688.195	33.175	1.015	14.79
2/19/2018 21:40	430800	73372	17949	107238	30136107	34826516	22.075	23681.896	33.183	1.015	14.79
2/19/2018 21:45	431100	7338	17948	107257	30147129	34837104	22.085	23691.021	33.171	1.015	14.791
2/19/2018 21:50	431400	73381	17948	107258	30149895	34842648	22.087	23693.02	33.168	1.015	14.791
2/19/2018 21:55	431700	73383	17948	107263	30149596	34844338	22.087	23692.857	33.168	1.015	14.79
2/19/2018 22:00	432000	73404	17948	107308	30145885	34842084	22.084	23689.852	33.172	1.015	14.79
2/19/2018 22:05	432300	73383	17949	107282	30143227	34834813	22.081	23687.674	33.175	1.015	14.791
2/19/2018 22:10	432600	73408	17949	107319	30130059	34819166	22.071	23677.369	33.189	1.015	14.793
2/19/2018 22:15	432900	73387	17949	107272	30149246	34820164	22.071	23678.055	33.188	1.015	14.794
2/19/2018 22:20	433200	73384	17948	107246	30125123	34814352	22.082	23671.792	33.195	1.015	14.796
2/19/2018 22:25	433500	73389	17948	107277	30140316	34811715	22.079	23685.568	33.178	1.015	14.793
2/19/2018 22:30	433800	73395	17949	107289	30142223	34813652	22.08	23686.887	33.176	1.015	14.793
2/19/2018 22:35	434100	73406	17948	107301	30141678	34815311	22.082	23688.161	33.174	1.015	14.793
2/19/2018 22:40	434400	73417	17948	10734	30141305	34812193	22.08	23686.395	33.177	1.015	14.793
2/19/2018 22:45	434700	7314	17948	107308	30144854	34819127	22.084	23690.705	33.171	1.015	14.794
2/19/2018 22:50	435000	73398	17948	107290	30130178	34818191	22.071	23677.551	33.189	1.015	14.795
2/19/2018 22:55	435300	73399	17948	107293	30151247	34845504	22.089	23694.945	33.165	1.015	14.796
2/19/2018 23:00	435600	73399	17948	107299	30138311	34829262	22.077	23684.898	33.178	1.015	14.796
2/19/2018 23:05	435900	73408	17948	107303	30145306	34835589	22.08	23697.57	33.161	1.015	14.795
2/19/2018 23:10	436200	7341	17948	107324	30146752	34839016	22.084	23690.533	33.171	1.015	14.795
2/19/2018 23:15	436500	73409	17948	107321	30135482	34826522	22.076	23682.125	33.183	1.015	14.794
2/19/2018 23:20	436800	73416	17948	107307	30141287	34832703	22.08	23691.087	33.17	1.015	14.795
2/19/2018 23:25	437100	73416	17949	107338	30144229	34835593	22.082	23688.461	33.174	1.015	14.795
2/19/2018 23:30	437400	7342	17948	107346	30147154	34839375	22.085	23691.031	33.171	1.015	14.795
2/19/2018 23:35	437700	73417	17949	107333	30133365	34821543	22.087	23680.019	33.186	1.015	14.796
2/19/2018 23:40	438000	73426	17948	107361	30138814	34829598	22.078	23684.387	33.18	1.015	14.797
2/19/2018 23:45	438300	73426	17948	107361	30141885	34831863	22.081	23687.029	33.176	1.015	14.797
2/19/2018 23:50	438600	73424	17948	107345	30144123	34836548	22.083	23691.345	33.173	1.015	14.798
2/19/2018 23:55	438900	73421	17948	107348	30134234	34824688	22.074	23680.787	33.185	1.015	14.803
2/19/2018 00:00	439200	73423	17948	107353	30151707	34847055	22.09	23696	33.163	1.015	14.806
2/19/2018 00:05	439500	73429	17948	107359	30151039	34846699	22.089	23695.695	33.164	1.015	14.806
2/19/2018 00:10	439800	7345	17949	107315	30151317	34825132	22.075	23681.299	33.184	1.015	14.805
2/19/2018 00:15	440100	73431	17948	107373	30159129	34851715	22.094	23700.527	33.157	1.015	14.806
2/19/2018 00:20	440400	73435	17948	107387	30172066	34864406	22.104	23717.516	33.148	1.015	14.806
2/19/2018 00:25	440700	73441	17949	107394	30140385	3482105	22.079	23685.832	33.178	1.015	14.806
2/19/2018 00:30	441000	73436	17948	107382	30165023	3486034	22.099	23705.03	33.151	1.015	14.806
2/19/2018 00:35	441300	73438	17948	107389	30152359	34864703	22.089	2369			

2/20/2018 7:40	466800	73408	17948	167319	30170148	34866.324	22.103	23709.104	33.145	1.015	14.848
2/20/2018 7:45	467000	73404	17948	167317	30179387	34876.19	22.111	23716.48	33.135	1.015	14.851
2/20/2018 7:50	467400	73412	17948	167320	30151.086	34896.664	22.12	23725.652	33.122	1.015	14.85
2/20/2018 7:55	467700	73411	17948	167328	30193.602	34893.16	22.122	23727.35	33.12	1.015	14.85
2/20/2018 8:00	468000	73408	17948	16732	30189.818	34894.23	22.119	23724.516	33.124	1.015	14.849
2/20/2018 8:05	468300	73411	17948	167325	30190.15	34895.72	22.12	23724.977	33.123	1.015	14.849
2/20/2018 8:10	468600	73407	17948	167318	30191.084	34895.52	22.12	23725.553	33.122	1.015	14.848
2/20/2018 8:15	468900	73407	17948	167318	30177.076	34871.425	22.109	23714.404	33.138	1.015	14.848
2/20/2018 8:20	469200	73408	17948	167316	30184.244	34864.123	22.102	23707.603	33.147	1.015	14.849
2/20/2018 8:25	469500	73407	17949	167319	30179.783	34877.009	22.111	23716.402	33.135	1.015	14.85
2/20/2018 8:30	469800	7343	17948	167369	30184.791	34881.246	22.115	23720.607	33.129	1.015	14.851
2/20/2018 8:35	470100	73404	17948	167311	30196.41	34896.898	22.122	23729.891	33.116	1.015	14.852
2/20/2018 8:40	470400	734	17948	167308	30185.748	34884.219	22.116	23721.271	33.128	1.015	14.853
2/20/2018 8:45	470700	73403	17948	167309	30189.475	34886.523	22.119	23724.197	33.124	1.015	14.854
2/20/2018 8:50	471000	7342	17948	167303	30179.303	34875.969	22.111	23716.342	33.135	1.015	14.856
2/20/2018 8:55	471300	73397	17948	167304	30180.459	34878.035	22.111	23717.066	33.134	1.015	14.858
2/20/2018 9:00	471600	73401	17949	167303	30177.076	34873.934	22.109	23724.277	33.138	1.015	14.86
2/20/2018 9:05	471900	73298	17947	167308	30188.967	34884.824	22.102	23708.085	33.147	1.015	14.86
2/20/2018 9:10	472200	73435	17948	167306	30181.053	34878.793	22.112	23717.58	33.133	1.015	14.86
2/20/2018 9:15	472500	73417	17948	16734	30192.449	34892.16	22.121	23726.672	33.121	1.015	14.859
2/20/2018 9:20	472800	7342	17949	167307	30190.137	34890.18	22.12	23725.322	33.122	1.015	14.854
2/20/2018 9:25	473100	73411	17948	167304	30198.01	34898.523	22.126	23730.998	33.115	1.015	14.849
2/20/2018 9:30	473400	73412	17948	167329	30191.422	34890.91	22.12	23725.818	33.122	1.015	14.843
2/20/2018 9:35	473700	73407	17948	167318	30179.959	34875.508	22.11	23716.025	33.136	1.015	14.848
2/20/2018 9:40	474000	73401	17948	167303	30167.871	34863.559	22.101	23707.223	33.148	1.015	14.852
2/20/2018 9:45	474300	73399	17948	1673	30189.252	34887.867	22.118	23721.752	33.124	1.015	14.856
2/20/2018 9:50	474600	73414	17948	167322	30180.986	34878.848	22.112	23717.619	33.131	1.015	14.855
2/20/2018 9:55	474900	73403	17948	167309	30155.381	34869.461	22.091	23687.603	33.162	1.015	14.853
2/20/2018 10:00	475200	73402	17948	167306	30177.488	34874.746	22.109	23714.828	33.137	1.015	14.852
2/20/2018 10:05	475500	73407	17949	167316	30182.243	34889.445	22.121	23716.586	33.121	1.015	14.851
2/20/2018 10:10	475800	7342	17948	167348	30193.459	34891.057	22.127	23717.279	33.12	1.015	14.851
2/20/2018 10:15	476100	73425	17948	167328	30162.291	34857.586	22.097	23703.16	33.154	1.015	14.85
2/20/2018 10:20	476400	7341	17948	167335	30192.885	34881.109	22.114	23717.156	33.131	1.015	14.85
2/20/2018 10:25	476700	73409	17948	167324	30184.724	34862.843	22.113	23716.985	33.129	1.015	14.851
2/20/2018 10:30	477000	73407	17949	167318	30174.748	34871.244	22.107	23712.445	33.14	1.015	14.851
2/20/2018 10:35	477300	7341	17949	167323	30170.367	34866.109	22.103	23708.955	33.145	1.015	14.851
2/20/2018 10:40	477600	73406	17948	167319	30179.389	34876.861	22.111	23716.31	33.135	1.015	14.85
2/20/2018 10:45	477900	73404	17948	16731	30167.072	34863.039	22.101	23706.869	33.149	1.015	14.852
2/20/2018 10:50	478200	73426	17949	167361	30168.813	34862.137	22.1	23706.256	33.149	1.015	14.854
2/20/2018 10:55	478500	73408	17948	167303	30151.174	34844.336	22.088	23694.144	33.166	1.015	14.856
2/20/2018 11:00	478800	73427	17948	167363	30158.617	34853.418	22.094	23700.324	33.158	1.015	14.856
2/20/2018 11:05	479100	73405	17948	167312	30158.063	34852.422	22.094	23698.648	33.159	1.015	14.853
2/20/2018 11:10	479400	73414	17948	167311	30196.643	34861.902	22.104	23704.908	33.179	1.015	14.859
2/20/2018 11:15	479700	73418	17949	167341	30158.967	34853.07	22.094	23700.088	33.158	1.015	14.847
2/20/2018 11:20	480000	73436	17948	167383	30171.342	34851.461	22.093	23698.996	33.159	1.015	14.847
2/20/2018 11:25	480300	7342	17948	167317	30156.762	34850.132	22.087	23698.352	33.167	1.015	14.847
2/20/2018 11:30	480600	7342	17948	167347	30175.182	34871.938	22.107	23712.92	33.14	1.015	14.847
2/20/2018 11:35	480900	73439	17949	167391	30166.174	34861.262	22.1	23705.66	33.15	1.015	14.847
2/20/2018 11:40	481200	73438	17949	167342	30164.012	34859.137	22.087	23695.13	33.167	1.015	14.847
2/20/2018 11:45	481500	73422	17948	167352	30173.393	34827.871	22.076	23682.955	33.181	1.015	14.848
2/20/2018 11:50	481800	73421	17948	167349	30155.795	34849.34	22.091	23697.551	33.161	1.015	14.848
2/20/2018 11:55	482100	73428	17948	167343	30143.037	34835.017	22.081	23687.809	33.175	1.015	14.849
2/20/2018 12:00	482400	73422	17948	167351	30143.746	34836.264	22.084	23688.264	33.174	1.015	14.847
2/20/2018 12:05	482700	73439	17948	167391	30134.969	34825.405	22.075	23681.318	33.184	1.015	14.847
2/20/2018 12:10	483000	73431	17948	167344	30143.456	34834.456	22.067	23687.967	33.184	1.015	14.846
2/20/2018 12:15	483300	73425	17948	167357	30145.578	34836.677	22.083	23688.146	33.173	1.015	14.848
2/20/2018 12:20	483600	73447	17948	167409	30141.17	34832.566	22.08	23686.146	33.177	1.015	14.845
2/20/2018 12:25	483900	73428	17948	167365	30144.803	34825.14	22.075	23681.236	33.184	1.015	14.841
2/20/2018 12:30	484200	73431	17948	167417	30147.702	34835.98	22.085	23689.135	33.17	1.015	14.837
2/20/2018 12:35	484500	73451	17948	167417	30128.186	34827.545	22.069	23675.945	33.192	1.015	14.841
2/20/2018 12:40	484800	73436	17948	167384	30151.248	34844.48	22.088	23694.246	33.166	1.015	14.841
2/20/2018 12:45	485100	7343	17948	167401	30141.084	34831.261	22.08	23686.307	33.177	1.015	14.841
2/20/2018 12:50	485400	73436	17948	167384	30144.695	34836.973	22.083	23688.145	33.173	1.015	14.841
2/20/2018 12:55	485700	73433	17949	167376	30150.963	34843.42	22.088	23691.801	33.166	1.015	14.841
2/20/2018 13:00	486000	73439	17948	167409	30151.541	34846.79	22.09	23692.709	33.164	1.015	14.84
2/20/2018 13:05	486300	73439	17948	167399	30155.012	34848.832	22.091	23697.207	33.162	1.015	14.841
2/20/2018 13:10	486600	73432	17948	167375	30149.309	34842.383	22.087	23692.822	33.168	1.015	14.84
2/20/2018 13:15	486900	73438	17948	167402	30153.459	34846.938	22.087	23692.702	33.167	1.015	14.839
2/20/2018 13:20	487200	73441	17948	167394	30151.957	34844.832	22.088	23694.486	33.165	1.015	14.837
2/20/2018 13:25	487500	73443	17948	167399	30146.088	34838.766	22.084	23690.363	33.172	1.015	14.835
2/20/2018 13:30	487800	73448	17948	167411	30152.054	34842.453	22.087	23692.263	33.17	1.015	14.837
2/20/2018 13:35	488100	73445	17948	167405	30137.178	34826.492	22.077	23683.377	33.182	1.015	14.832
2/20/2018 13:40	488400	73438	17948	167388	30145.111	34837.254	22.083	23688.332	33.173	1.015	14.832
2/20/2018 13:45	488700	73446	17948	167401	30146.661	34840.137	22.085	23691.359	33.17	1.015	14.831
2/20/2018 13:50	489000	73467	17948	167455	30158.557	34852.793	22.094	23699.902	33.158	1.015	14.832
2/20/2018 13:55	489300	73453	17948	167422	30143.125	34841.891	22.081	23687.727	33.175	1.015	14.832
2/20/2018 14:00	489600	73467	17948	167455	30155.14	34848.519	22.092	23697.689	33.161	1.015	14.832
2/20/2018 14:05	489900	73447	17948	167408	30146.462	34838.08	22.084	23687.11	33.171	1.015	14.831
2/20/2018 14:10	490200	73451	17948	167419	30150.105	34843.16	22.087	23693.35	33.167	1.015	14.829
2/20/2018 14:15	490500	73454	17948	167414	30147.913	34842.516	22.087	23692.912	33.168	1.015	14.827
2/20/2018 14:20	490800	73457	17949	167431	30145.127	34837.074	22.083	23689.213	33.173	1.015	14.829
2/20/2018 14:25	491100	73473	17948	167408	30150.908	34844.09	22.088	23693.98	33.166	1.015	14.831

2/20/2018 21:35	516900	73373	17948	167241	30149.877	34842.836	22.087	23693.131	33.168	1.015	14.835
2/20/2018 21:40	517000	73373	17948	30170.708	34846.628	22.087	23693.131	33.168	1.015	14.835	
2/20/2018 21:45	517100	73362	17948	30172.215	30144.996	34837.195	22.083	23693.255	33.173	1.015	14.834
2/20/2018 21:50	517800	73373	17949	30154.293	34847.668	22.09	23696.414	33.163	1.015	14.834	
2/20/2018 21:55	518100	73373	17948	30157.242	34847.664	22.093	23699.201	33.159	1.015	14.839	
2/20/2018 22:00	518400	73396	17948	30157.285	30145.092	34837.234	22.083	23699.322	33.173	1.015	14.838
2/20/2018 22:05	518700	73367	17948	30147.418	34839.992	22.085	23691.197	33.17	1.015	14.837	
2/20/2018 22:10	519000	73377	17948	30121.293	34821.359	22.072	23678.525	33.188	1.015	14.836	
2/20/2018 22:15	519300	73378	17948	30121.295	30140.008	34840.945	22.095	23701.365	33.156	1.015	14.835
2/20/2018 22:20	519600	73375	17948	30121.204	34848.648	22.105	23701.682	33.143	1.015	14.835	
2/20/2018 22:25	519900	73375	17948	30151.682	34851.781	22.093	23699.211	33.159	1.015	14.836	
2/20/2018 22:30	520200	73396	17948	30154.643	30147.291	34843.23	22.094	23702.198	33.158	1.015	14.836
2/20/2018 22:35	520500	73378	17948	30151.729	34843.039	22.088	23694.627	33.166	1.015	14.837	
2/20/2018 22:40	520800	7338	17948	30125.26	34846.063	22.099	23704.884	33.151	1.015	14.838	
2/20/2018 22:45	521100	73379	17948	30127.982	34846.618	22.118	23721.082	33.126	1.015	14.837	
2/20/2018 22:50	521400	73378	17948	30176.301	34875.5	22.108	23713.982	33.139	1.015	14.839	
2/20/2018 22:55	521700	73379	17948	30170.947	34867.043	22.104	23709.592	33.144	1.015	14.838	
2/20/2018 23:00	522000	73364	17948	30132.379	34840.457	22.113	23719.711	33.142	1.015	14.837	
2/20/2018 23:05	522300	73384	17949	30178.266	34875.371	22.11	23715.254	33.136	1.015	14.839	
2/20/2018 23:10	522600	73408	17948	30168.912	34867.945	22.118	23723.805	33.125	1.015	14.841	
2/20/2018 23:15	522900	73404	17948	30136.389	34859.516	22.124	23729.621	33.117	1.015	14.842	
2/20/2018 23:20	523200	73389	17948	30177.277	34869.891	22.106	23711.527	33.142	1.015	14.841	
2/20/2018 23:25	523500	73393	17948	30179.266	34878.859	22.111	23716.266	33.135	1.015	14.84	
2/20/2018 23:30	523800	73392	17948	30171.844	34871.48	22.107	23712.607	33.14	1.015	14.838	
2/20/2018 23:35	524100	73394	17949	30138.348	34868.516	22.126	23730.992	33.114	1.015	14.836	
2/20/2018 23:40	524400	73398	17948	30129.297	34891.609	22.122	23727.582	33.12	1.015	14.835	
2/20/2018 23:45	524700	73428	17948	30174.441	34892.773	22.106	23717.789	33.142	1.015	14.833	
2/20/2018 23:50	525000	73412	17948	30173.28	34871.65	22.104	23717.889	33.144	1.015	14.832	
2/20/2018 23:55	525300	7341	17948	30193.039	34892.98	22.122	23727.229	33.12	1.015	14.83	
2/21/2018 00:00	525600	73443	17948	30136.369	34895.628	22.125	23730.846	33.117	1.015	14.829	
2/21/2018 00:05	525900	73415	17948	30168.859	34864.629	22.107	23707.989	33.147	1.015	14.829	
2/21/2018 00:10	526200	73412	17949	30187.428	34885.762	22.117	23722.318	33.126	1.015	14.829	
2/21/2018 00:15	526500	73417	17948	30173.341	34863.676	22.101	23707.301	33.148	1.015	14.83	
2/21/2018 00:20	526800	7342	17948	30189.157	34890.157	22.127	23730.887	33.113	1.015	14.83	
2/21/2018 00:25	527100	73445	17948	30195.352	34895.504	22.124	23729.006	33.118	1.015	14.83	
2/21/2018 00:30	527400	7344	17948	30131.316	34890.582	22.12	23725.098	33.122	1.015	14.83	
2/21/2018 00:35	527700	73448	17948	30205.436	34897.462	22.12	23727.662	33.107	1.015	14.827	
2/21/2018 00:40	528000	73429	17948	30202.209	34893.578	22.129	23734.434	33.11	1.015	14.832	
2/21/2018 00:45	528300	7344	17948	30195.848	34895.961	22.124	23729.256	33.117	1.015	14.834	
2/21/2018 00:50	528600	73463	17948	30151.943	34891.511	22.121	23729.229	33.121	1.015	14.831	
2/21/2018 00:55	528900	73445	17948	30185.141	34883.793	22.115	23720.98	33.129	1.015	14.832	
2/21/2018 01:00	529200	7343	17948	30173.369	34873.289	22.108	23713.836	33.138	1.015	14.832	
2/21/2018 01:05	529500	73462	17948	30203.687	34897.965	22.113	23740.388	33.11	1.015	14.826	
2/21/2018 01:10	529800	73438	17949	30193.33	34893.258	22.122	23727.418	33.12	1.015	14.826	
2/21/2018 01:15	530100	73461	17948	30188.1	34887.41	22.118	23723.439	33.126	1.015	14.823	
2/21/2018 01:20	530400	73461	17948	30181.896	34879.764	22.113	23718.713	33.13	1.015	14.821	
2/21/2018 01:25	530700	73467	17948	30185.764	34884.57	22.116	23721.508	33.128	1.015	14.822	
2/21/2018 01:30	531000	73469	17948	30199.092	34899.914	22.127	23731.943	33.114	1.015	14.821	
2/21/2018 01:35	531300	73462	17948	30182.107	34884.211	22.123	23734.542	33.113	1.015	14.82	
2/21/2018 01:40	531600	73465	17948	30194.541	34894.453	22.123	23728.23	33.119	1.015	14.818	
2/21/2018 01:45	531900	73477	17948	30178.863	34878.539	22.11	23716.047	33.136	1.015	14.818	
2/21/2018 01:50	532200	7348	17948	30185.438	34893.43	22.116	23722.072	33.129	1.015	14.82	
2/21/2018 01:55	532500	73467	17948	30177.664	34874.785	22.099	23718.857	33.137	1.015	14.823	
2/21/2018 02:00	532800	73453	17948	30203.297	34904.496	22.13	23735.059	33.109	1.015	14.826	
2/21/2018 02:05	533100	73478	17948	30185.184	34893.84	22.116	23727.012	33.129	1.015	14.823	
2/21/2018 02:10	533400	73459	17948	30194.869	34884.625	22.123	23738.348	33.118	1.015	14.821	
2/21/2018 02:15	533700	7346	17948	30189.717	34899.117	22.126	23731.414	33.114	1.015	14.818	
2/21/2018 02:20	534000	73482	17948	30177.863	34875.176	22.109	23715.121	33.137	1.015	14.818	
2/21/2018 02:25	534300	73461	17948	30181.287	34890.551	22.12	23725.573	33.122	1.015	14.818	
2/21/2018 02:30	534600	73469	17948	30205.066	34906.76	22.131	23736.539	33.107	1.015	14.818	
2/21/2018 02:35	534900	73466	17948	30198.898	34888.879	22.119	23724.438	33.124	1.015	14.819	
2/21/2018 02:40	535200	73485	17949	30208.988	34911.127	22.135	23739.663	33.103	1.015	14.82	
2/21/2018 02:45	535500	73469	17948	30198.768	34909.418	22.127	23732.287	33.113	1.015	14.821	
2/21/2018 02:50	535800	73474	17948	30177.77	34875.07	22.109	23715.049	33.137	1.015	14.819	
2/21/2018 02:55	536100	73484	17948	30175.136	34890.185	22.12	23725.523	33.12	1.015	14.82	
2/21/2018 03:00	536400	73474	17948	30200.416	34901.242	22.128	23732.848	33.112	1.015	14.815	
2/21/2018 03:05	536700	73479	17949	30174.81	34892.184	22.121	23725.686	33.12	1.015	14.812	
2/21/2018 03:10	537000	73482	17948	30174.855	34897.965	22.127	23731.907	33.114	1.015	14.817	
2/21/2018 03:15	537300	7348	17948	30191.443	34890.73	22.12	23725.699	33.122	1.015	14.807	
2/21/2018 03:20	537600	73478	17948	30185.645	34884.172	22.116	23727.236	33.128	1.015	14.811	
2/21/2018 03:25	537900	73482	17948	30194.063	34892.468	22.113	23730.281	33.121	1.015	14.82	
2/21/2018 03:30	538200	73493	17948	30193.092	34892.633	22.122	23726.992	33.12	1.015	14.82	
2/21/2018 03:35	538500	73471	17948	30181.076	34879.293	22.112	23717.92	33.133	1.015	14.817	
2/21/2018 03:40	538800	73461	17948	30174.983	34871.793	22.113	23734.211	33.106	1.015	14.821	
2/21/2018 03:45	539100	73502	17948	30181.764	34879.813	22.113	23718.275	33.133	1.015	14.811	
2/21/2018 03:50	539400	73484	17948	30178.789	34876.309	22.11	23715.891	33.136	1.015	14.809	
2/21/2018 03:55	539700	73482	17948	30177.906	34887.505	22.11	23715.242	33.137	1.015	14.807	
2/21/2018 04:00	540000	73503	17948	30189.441	34884.107	22.114	23718.457	33.124	1.015	14.805	
2/21/2018 04:05	540300	73485	17948	30179.178	34876.824	22.111	23716.242	33.135	1.015	14.806	
2/21/2018 04:10	540600	73479	17948	30178.182	34875.879	22.11	23717.5	33.137	1.015	14.807	
2/21/2018 04:15	540900	73482	17948	30184.704	34884.703	22.113	23718.398	33.118	1.015	14.808	
2/21/2018 04:20	541200	73482	17948	30170.012	34876.297	22.11	23715.883	33.136	1.015	14.809	
2/21/2018 04:25	541500	73482	17948	30174.487	34901.445	22.129	23734.344	33.11	1.015	14.81	
2/21/2018 04:30	541800	73486	17948	30202.052	34902.245	22.127	23735.721	33.121	1.015	14.811	
2/21/2018 04:35	542100	73479	17948	30217.525	34902.941	22.141	23746.24	33.093	1.015	14.811	
2/21/2018 04:40	542400	73476	17948	30179.785	34898.262	22.126	23730.82	33.115	1.015	14.812	
2/21/2018 04:45	542700	73482	17948	30180.287	34898.73	22.12	23735.003	33.103	1.015	14.812	
2/21/2018 04:50	543000	73473	17948	30175.762	34877.275	22.108	237				

2/21/2018 11:30	567000	73405	17948	167313	30161.088	34855.793	22.096	23701.941	33.155	1.015	14.822
2/21/2018 11:35	567900	73385	17948	167305	30159.607	34854.145	22.095	23702.818	33.157	1.015	14.824
2/21/2018 11:40	567900	73382	17948	167281	30152.669	34846.148	22.089	23695.381	33.165	1.015	14.825
2/21/2018 11:45	567900	7338	17948	167256	30150.973	34844.102	22.088	23693.99	33.166	1.015	14.827
2/21/2018 11:50	568200	73379	17948	167239	30148.268	34837.934	22.083	23689.797	33.172	1.015	14.827
2/21/2018 11:55	568500	73381	17948	167234	30133.08	34823.422	22.073	23679.83	33.186	1.015	14.826
2/21/2018 12:00	568800	73377	17948	167249	30134.705	34825.566	22.075	23681.385	33.174	1.015	14.826
2/21/2018 12:05	569100	73399	17948	167298	30149.076	34842.035	22.086	23692.586	33.169	1.015	14.824
2/21/2018 12:10	569400	73384	17948	167266	30135.086	34832.645	22.079	23685.645	33.184	1.015	14.824
2/21/2018 12:15	569700	73386	17948	16727	30136.773	34827.691	22.076	23682.83	33.182	1.015	14.82
2/21/2018 12:20	570000	73407	17948	167316	30146.584	34835.156	22.084	23690.627	33.171	1.015	14.821
2/21/2018 12:25	570300	73386	17948	167289	30131.83	34822.043	22.072	23678.992	33.187	1.015	14.821
2/21/2018 12:30	570600	73386	17948	167268	30142.205	34834.172	22.081	23687.236	33.176	1.015	14.822
2/21/2018 12:35	570900	73384	17948	167264	30131.096	34823.371	22.073	23679.893	33.186	1.015	14.821
2/21/2018 12:40	571200	73383	17948	167263	30135.439	34825.005	22.075	23681.686	33.184	1.015	14.821
2/21/2018 12:45	571500	73388	17948	167273	30131.83	34822.043	22.072	23678.992	33.187	1.015	14.82
2/21/2018 12:50	571800	73388	17948	167273	30128.855	34846.406	22.089	23695.559	33.164	1.015	14.82
2/21/2018 12:55	572100	73382	17948	167263	30132.172	34840.109	22.082	23698.076	33.161	1.015	14.82
2/21/2018 13:00	572400	73388	17948	167275	30123.594	34811.992	22.065	23672.156	33.197	1.015	14.819
2/21/2018 13:05	572700	73396	17949	167291	30144.16	34835.957	22.082	23688.451	33.174	1.015	14.816
2/21/2018 13:10	573000	73393	17948	167285	30152.488	34836.629	22.098	23702.869	33.153	1.015	14.812
2/21/2018 13:15	573300	73403	17948	167307	30142.057	34833.797	22.081	23686.982	33.176	1.015	14.809
2/21/2018 13:20	573600	73423	17948	167355	30137.744	34829.941	22.077	23683.682	33.181	1.015	14.811
2/21/2018 13:25	573900	73417	17948	16734	30148.674	34841.371	22.086	23702.135	33.169	1.015	14.814
2/21/2018 13:30	574200	734	17948	167302	30152.555	34845.789	22.089	23695.137	33.165	1.015	14.817
2/21/2018 13:35	574500	73394	17948	167288	30125.016	34813.898	22.067	23673.453	33.195	1.015	14.816
2/21/2018 13:40	574800	73396	17948	167292	30136.791	34820.047	22.077	23683.072	33.182	1.015	14.816
2/21/2018 13:45	575100	73397	17948	167295	30141.132	34822.754	22.078	23688.275	33.177	1.015	14.815
2/21/2018 13:50	575400	73396	17949	167291	30147.486	34839.738	22.085	23691.023	33.17	1.015	14.813
2/21/2018 13:55	575700	73404	17948	16731	30138.18	34828.844	22.078	23684.295	33.18	1.015	14.811
2/21/2018 14:00	576000	73397	17948	167285	30148.254	34840.961	22.086	23696.81	33.169	1.015	14.809
2/21/2018 14:05	576300	73401	17948	167303	30140.582	34832.297	22.08	23685.955	33.178	1.015	14.81
2/21/2018 14:10	576600	73403	17948	167308	30144.078	34836.398	22.082	23688.754	33.174	1.015	14.811
2/21/2018 14:15	576900	73402	17948	167301	30131.507	34823.637	22.072	23678.713	33.188	1.015	14.808
2/21/2018 14:20	577200	73405	17948	167312	30135.555	34826.488	22.075	23682.012	33.183	1.015	14.811
2/21/2018 14:25	577500	73409	17948	167321	30149.977	34842.879	22.087	23693.158	33.168	1.015	14.81
2/21/2018 14:30	577800	73411	17948	167325	30142.025	34840.259	22.079	23685.989	33.177	1.015	14.809
2/21/2018 14:35	578100	73406	17948	167318	30125.666	34815.121	22.068	23674.283	33.194	1.015	14.808
2/21/2018 14:40	578400	73407	17948	167314	30133.531	34824.277	22.074	23680.512	33.186	1.015	14.808
2/21/2018 14:45	578700	73416	17948	167317	30140.412	34831.109	22.079	23685.833	33.178	1.015	14.809
2/21/2018 14:50	579000	7341	17948	167325	30144.295	34836.313	22.082	23688.693	33.174	1.015	14.808
2/21/2018 14:55	579300	73411	17948	167327	30138.613	34829.676	22.078	23684.182	33.18	1.015	14.809
2/21/2018 15:00	579600	73414	17948	167329	30145.617	34831.91	22.085	23689.788	33.172	1.015	14.808
2/21/2018 15:05	579900	73435	17948	167340	30139.664	34830.762	22.078	23684.92	33.179	1.015	14.811
2/21/2018 15:10	580200	73414	17948	167334	30139.133	34830.707	22.078	23684.881	33.179	1.015	14.812
2/21/2018 15:15	580500	73416	17948	167332	30134.242	34824.586	22.079	23679.127	33.182	1.015	14.813
2/21/2018 15:20	580800	73438	17949	167389	30133.365	34823.219	22.073	23679.791	33.186	1.015	14.813
2/21/2018 15:25	581100	73416	17948	167337	30131.109	34821.145	22.072	23678.381	33.188	1.015	14.813
2/21/2018 15:30	581400	73414	17948	167333	30140.973	34829.073	22.08	23685.217	33.177	1.015	14.813
2/21/2018 15:35	581700	73415	17948	167335	30139.799	34831.117	22.079	23685.162	33.179	1.015	14.815
2/21/2018 15:40	582000	73431	17948	167372	30131.566	34821.602	22.072	23678.689	33.188	1.015	14.817
2/21/2018 15:45	582300	73429	17948	167369	30139.965	34830.109	22.079	23685.156	33.179	1.015	14.82
2/21/2018 15:50	582600	73429	17948	167366	30135.459	34825.781	22.078	23681.784	33.184	1.015	14.817
2/21/2018 15:55	582900	73412	17948	167338	30139.984	34831.195	22.079	23688.213	33.179	1.015	14.815
2/21/2018 16:00	583200	7341	17948	167343	30139.244	34833.597	22.084	23687.443	33.157	1.015	14.813
2/21/2018 16:05	583500	73415	17948	167334	30123.141	34821.247	22.065	23672.357	33.197	1.015	14.813
2/21/2018 16:10	583800	73416	17948	167338	30148.977	34842.129	22.086	23692.65	33.169	1.015	14.813
2/21/2018 16:15	584100	73414	17948	167334	30141.813	34835.754	22.082	23684.314	33.174	1.015	14.813
2/21/2018 16:20	584400	73416	17948	167339	30143.209	34837.962	22.077	23689.196	33.18	1.015	14.817
2/21/2018 16:25	584700	73414	17948	167333	30142.588	34834.81	22.081	23687.398	33.176	1.015	14.815
2/21/2018 16:30	585000	73406	17948	167315	30140.641	34835.477	22.086	23701.725	33.156	1.015	14.816
2/21/2018 16:35	585300	73415	17948	167335	30143.336	34842.873	22.074	23689.918	33.185	1.015	14.813
2/21/2018 16:40	585600	73412	17948	167329	30140.432	34843.738	22.087	23693.742	33.167	1.015	14.811
2/21/2018 16:45	585900	73415	17949	167334	30142.455	34831.988	22.081	23687.113	33.176	1.015	14.808
2/21/2018 16:50	586200	73415	17948	167335	30131.123	34821.282	22.072	23678.479	33.188	1.015	14.808
2/21/2018 16:55	586500	7341	17948	167323	30155.627	34849.543	22.092	23697.691	33.161	1.015	14.809
2/21/2018 17:00	586800	7341	17948	167325	30159.354	34851.582	22.094	23700.438	33.157	1.015	14.81
2/21/2018 17:05	587100	73428	17948	167369	30152.468	34842.82	22.092	23697.125	33.158	1.015	14.808
2/21/2018 17:10	587400	73428	17948	167365	30152.45	34846.039	22.089	23695.305	33.165	1.015	14.809
2/21/2018 17:15	587700	73409	17948	167321	30136.24	34827.137	22.076	23682.455	33.183	1.015	14.809
2/21/2018 17:20	588000	73411	17948	167327	30122.389	34821.085	22.068	23675.155	33.198	1.015	14.817
2/21/2018 17:25	588300	73432	17948	167373	30146.367	34838.777	22.084	23690.371	33.171	1.015	14.807
2/21/2018 17:30	588600	73406	17948	167314	30144.443	34836.617	22.083	23688.902	33.174	1.015	14.806
2/21/2018 17:35	588900	73416	17948	167362	30136.761	34827.916	22.072	23679.586	33.182	1.015	14.805
2/21/2018 17:40	589200	7341	17948	167323	30124.277	34813.109	22.066	23672.914	33.196	1.015	14.806
2/21/2018 17:45	589500	73407	17948	167317	30142.223	34833.781	22.081	23686.971	33.176	1.015	14.806
2/21/2018 17:50	589800	73421	17948	167312	30120.888	34831.871	22.07	23678.931	33.191	1.015	14.802
2/21/2018 17:55	590100	73422	17948	167332	30150.918	34836.189	22.088	23691.896	33.166	1.015	14.81
2/21/2018 18:00	590400	73423	17948	167334	30131.109	34824.074	22.072	23678.332	33.188	1.015	14.812
2/21/2018 18:05	590700	73421	17948	167351	30133.746	34834.297	22.08	23695.144	33.163	1.015	14.812
2/21/2018 18:10	591000	73415	17948	167335	30140.265	34831.717	22.079	23685.777	33.178	1.015	14.817
2/21/2018 18:15	591300	73404	17948	167309	30146.688	34839.008	22.084	23690.527	33.171	1.015	14.812
2/21/2018 18:20											

2/15/2018 8:40	20400	12.998	17.672	268.627	2693.423	3131.757	1.651	2.13	371.275	1	14.826
2/15/2018 8:45	20700	13	17.672	268.637	2693.467	3132.029	1.651	2.13	371.242	1	14.824
2/15/2018 8:50	21000	13	17.672	268.651	2693.511	3132.306	1.649	2.128	371.435	1	14.824
2/15/2018 8:55	21300	13	17.672	268.665	2693.555	3132.452	1.651	2.13	371.193	1	14.823
2/15/2018 9:00	21600	13.002	17.672	268.679	2693.599	3132.537	1.651	2.13	371.183	1	14.823
2/15/2018 9:05	21900	12.998	17.672	268.693	2693.643	3132.336	1.651	2.13	371.209	1	14.826
2/15/2018 9:10	22200	12.997	17.672	268.707	2693.687	3132.832	1.65	2.128	371.505	1	14.829
2/15/2018 9:15	22500	12.995	17.672	268.721	2693.731	3132.428	1.651	2.13	371.194	1	14.832
2/15/2018 9:20	22800	12.995	17.672	268.735	2693.775	3133.501	1.652	2.131	371.067	1	14.83
2/15/2018 9:25	23100	12.995	17.672	268.749	2693.819	3132.471	1.651	2.13	371.191	1	14.827
2/15/2018 9:30	23400	12.998	17.672	268.763	2693.863	3133.509	1.652	2.131	371.064	1	14.825
2/15/2018 9:35	23700	13.002	17.672	268.777	2693.907	3133.736	1.652	2.131	371.041	1	14.824
2/15/2018 9:40	24000	13.001	17.672	268.791	2693.951	3134.174	1.652	2.131	370.986	1	14.822
2/15/2018 9:45	24300	13.003	17.673	268.805	2693.995	3134.406	1.652	2.131	370.956	1	14.82
2/15/2018 9:50	24600	13	17.672	268.819	2694.039	3134.307	1.652	2.132	370.988	1	14.822
2/15/2018 9:55	24900	13	17.672	268.833	2693.998	3131.947	1.651	2.13	371.251	1	14.823
2/15/2018 10:00	25200	12.999	17.672	268.847	2694.042	3134.998	1.652	2.132	370.889	1	14.825
2/15/2018 10:05	25500	12.999	17.672	268.861	2694.086	3135.367	1.653	2.132	370.846	1	14.827
2/15/2018 10:10	25800	12.995	17.672	268.875	2694.129	3135.178	1.653	2.132	370.868	1	14.829
2/15/2018 10:15	26100	12.993	17.672	268.889	2694.173	3132.604	1.651	2.13	371.175	1	14.831
2/15/2018 10:20	26400	12.995	17.672	268.903	2694.217	3135.424	1.653	2.132	370.834	1	14.829
2/15/2018 10:25	26700	12.997	17.672	268.917	2694.261	3135.415	1.653	2.132	370.842	1	14.827
2/15/2018 10:30	27000	13	17.672	268.931	2694.305	3135.881	1.653	2.132	370.786	1	14.824
2/15/2018 10:35	27300	12.998	17.672	268.945	2694.349	3135.684	1.653	2.132	370.813	1	14.825
2/15/2018 10:40	27600	12.998	17.672	268.959	2694.393	3136.668	1.653	2.133	370.69	1	14.826
2/15/2018 10:45	27900	12.995	17.672	268.973	2694.437	3135.8	1.653	2.132	370.797	1	14.827
2/15/2018 10:50	28200	12.995	17.672	268.987	2694.481	3136.2	1.653	2.133	370.748	1	14.828
2/15/2018 10:55	28500	12.994	17.672	268.999	2694.525	3136.171	1.653	2.133	370.751	1	14.83
2/15/2018 11:00	28800	12.992	17.672	269.013	2694.569	3136.678	1.653	2.133	370.691	1	14.832
2/15/2018 11:05	29100	12.995	17.672	269.027	2694.613	3137.023	1.654	2.133	370.651	1	14.831
2/15/2018 11:10	29400	12.997	17.672	269.041	2694.657	3136.4	1.654	2.133	370.725	1	14.83
2/15/2018 11:15	29700	12.999	17.672	269.055	2694.701	3137.133	1.654	2.133	370.674	1	14.829
2/15/2018 11:20	30000	12.997	17.672	269.069	2694.745	3137.694	1.654	2.134	370.57	1	14.829
2/15/2018 11:25	30300	12.996	17.672	269.083	2694.789	3136.853	1.653	2.133	370.671	1	14.827
2/15/2018 11:30	30600	12.994	17.672	269.097	2694.833	3136.969	1.654	2.133	370.656	1	14.837
2/15/2018 11:35	30900	12.994	17.672	269.111	2694.877	3137.519	1.654	2.134	370.543	1	14.837
2/15/2018 11:40	31200	12.997	17.672	269.125	2694.921	3137.86	1.654	2.134	370.551	1	14.837
2/15/2018 11:45	31500	12.995	17.672	269.139	2694.965	3137.877	1.654	2.134	370.551	1	14.837
2/15/2018 11:50	31800	12.995	17.672	269.153	2695.009	3138.578	1.654	2.134	370.468	1	14.839
2/15/2018 11:55	32100	12.995	17.672	269.167	2695.053	3138.061	1.654	2.134	370.531	1	14.842
2/15/2018 12:00	32400	12.992	17.672	269.181	2695.097	3137.308	1.654	2.133	370.618	1	14.844
2/15/2018 12:05	32700	12.995	17.672	269.195	2695.141	3137.562	1.654	2.134	370.585	1	14.843
2/15/2018 12:10	33000	12.994	17.672	269.209	2695.185	3137.767	1.654	2.134	370.54	1	14.846
2/15/2018 12:15	33300	12.999	17.672	269.223	2695.229	3137.485	1.654	2.133	370.599	1	14.842
2/15/2018 12:20	33600	12.999	17.672	269.237	2695.273	3136.584	1.653	2.133	370.702	1	14.843
2/15/2018 12:25	33900	12.999	17.672	269.251	2695.317	3137.229	1.654	2.133	370.681	1	14.844
2/15/2018 12:30	34200	12.998	17.672	269.265	2695.361	3136.371	1.653	2.133	370.727	1	14.846
2/15/2018 12:35	34500	13	17.672	269.279	2695.405	3136.292	1.653	2.133	370.741	1	14.848
2/15/2018 12:40	34800	12.995	17.672	269.293	2695.449	3137.322	1.654	2.133	370.613	1	14.845
2/15/2018 12:45	35100	12.992	17.672	269.307	2695.493	3137.244	1.654	2.133	370.626	1	14.853
2/15/2018 12:50	35400	12.994	17.672	269.321	2695.537	3137.365	1.654	2.133	370.61	1	14.851
2/15/2018 12:55	35700	12.996	17.672	269.335	2695.581	3137.343	1.654	2.133	370.611	1	14.851
2/15/2018 13:00	36000	12.997	17.672	269.349	2695.625	3136.683	1.653	2.133	370.689	1	14.849
2/15/2018 13:05	36300	12.998	17.672	269.363	2695.669	3136.45	1.653	2.133	370.721	1	14.851
2/15/2018 13:10	36600	12.996	17.672	269.377	2695.713	3136.55	1.653	2.133	370.708	1	14.854
2/15/2018 13:15	36900	12.994	17.672	269.391	2695.757	3136.249	1.653	2.133	370.742	1	14.856
2/15/2018 13:20	37200	12.996	17.672	269.405	2695.801	3136.065	1.653	2.133	370.765	1	14.856
2/15/2018 13:25	37500	12.997	17.672	269.419	2695.845	3136.07	1.653	2.133	370.762	1	14.855
2/15/2018 13:30	37800	12.997	17.672	269.433	2695.889	3134.014	1.652	2.133	370.606	1	14.854
2/15/2018 13:35	38100	12.997	17.672	269.447	2695.933	3137.174	1.654	2.133	370.732	1	14.856
2/15/2018 13:40	38400	12.996	17.672	269.461	2695.977	3136.648	1.653	2.133	370.699	1	14.858
2/15/2018 13:45	38700	12.996	17.672	269.475	2696.021	3135.901	1.653	2.133	370.785	1	14.856
2/15/2018 13:50	39000	12.995	17.672	269.489	2696.065	3136.714	1.653	2.133	370.689	1	14.859
2/15/2018 13:55	39300	12.997	17.672	269.503	2696.109	3135.586	1.653	2.132	370.821	1	14.859
2/15/2018 14:00	39600	12.996	17.672	269.517	2696.153	3135.75	1.653	2.132	370.803	1	14.858
2/15/2018 14:05	39900	12.995	17.672	269.531	2696.197	3136.123	1.653	2.132	370.757	1	14.858
2/15/2018 14:10	40200	12.996	17.672	269.545	2696.241	3135.37	1.653	2.132	370.85	1	14.858
2/15/2018 14:15	40500	12.997	17.672	269.559	2696.285	3132.96	1.652	2.13	370.125	1	14.859
2/15/2018 14:20	40800	12.997	17.672	269.573	2696.329	3134.919	1.652	2.132	370.902	1	14.86
2/15/2018 14:25	41100	12.996	17.672	269.587	2696.373	3135.889	1.653	2.132	370.785	1	14.862
2/15/2018 14:30	41400	12.994	17.672	269.601	2696.417	3135.055	1.653	2.132	370.889	1	14.864
2/15/2018 14:35	41700	12.992	17.672	269.615	2696.461	3134.896	1.652	2.132	370.906	1	14.866
2/15/2018 14:40	42000	12.989	17.672	269.629	2696.505	3135.37	1.653	2.132	370.845	1	14.869
2/15/2018 14:45	42300	12.995	17.672	269.643	2696.549	3135.24	1.653	2.132	370.823	1	14.872
2/15/2018 14:50	42600	12.987	17.672	269.657	2696.593	3134.9	1.652	2.132	370.903	1	14.871
2/15/2018 14:55	42900	12.989	17.672	269.671	2696.637	3135.649	1.653	2.132	370.817	1	14.87
2/15/2018 15:00	43200	12.99	17.672	269.685	2696.681	3135.555	1.653	2.132	370.826	1	14.87
2/15/2018 15:05	43500	12.992	17.672	269.699	2696.725	3134.167	1.652	2.131	370.889	1	14.871
2/15/2018 15:10	43800	12.995	17.673	269.713	2696.769	3134.351	1.652	2.131	370.963	1	14.864
2/15/2018 15:15	44100	12.997	17.673	269.727	2696.813	3134.246	1.652	2.131	370.979	1	14.861
2/15/2018 15:20	44400	12.997	17.672	269.741	2696.857	3135.003	1.653	2.132	370.823	1	14.862
2/15/2018 15:25	44700	12.996	17.672	269.755	2696.901	3134.393	1.652	2.132	370.962	1	14.863
2/15/2018 15:30	45000	12.994	17.672	269.769	2696.945	3134.875	1.652	2.132	370.908	1	14.864
2/15/2018 15:35	45300	12.992	17.672	269.783	2696.989	3134.663	1.652	2.132	370.931	1	14.864
2/15/2018 15:40	45600	12.992	17.672	269.797	2697.033	3135.756	1.653	2.132	370.824	1	14.864
2/15/2018 15:45	45900	12.99	17.672	269.811	2697.077	3135.522	1.653	2.132	370.827	1	14.864
2/15/2018 15:50	46200	12.99	17.672	26							

2/15/2018 17:35	70500	12.993	17.672	29.634	2711.191	3152.433	1.662	2.144	368.842	1	14.83
2/15/2018 17:40	70800	12.991	17.672	29.632	2710.222	3151.301	1.662	2.143	368.972	1	14.831
2/15/2018 17:45	71100	12.988	17.672	29.604	2711.042	3152.118	1.662	2.144	368.862	1	14.836
2/15/2018 17:50	71400	12.987	17.672	29.601	2711.16	3152.381	1.662	2.144	368.846	1	14.838
2/15/2018 17:55	71600	12.986	17.672	29.588	2708.138	3148.635	1.66	2.141	368.839	1	14.839
2/15/2018 18:00	72000	12.986	17.672	29.6	2709.642	3150.645	1.661	2.142	368.952	1	14.84
2/15/2018 18:05	72300	12.987	17.672	29.601	2710.083	3151.146	1.661	2.143	368.992	1	14.844
2/15/2018 18:10	72600	12.987	17.672	29.6	2709.574	3150.56	1.661	2.142	369.002	1	14.84
2/15/2018 18:15	72900	12.988	17.672	29.603	2709.383	3150.319	1.661	2.141	369.088	1	14.844
2/15/2018 18:20	73200	12.99	17.672	29.607	2710.011	3151.062	1.661	2.142	369.062	1	14.84
2/15/2018 18:25	73500	12.992	17.672	29.613	2709.196	3150.101	1.661	2.142	369.113	1	14.849
2/15/2018 18:30	73800	12.994	17.672	29.619	2709.388	3150.312	1.661	2.142	369.087	1	14.851
2/15/2018 18:35	74100	12.992	17.672	29.614	2708.577	3149.376	1.66	2.142	369.188	1	14.842
2/15/2018 18:40	74400	12.989	17.672	29.606	2709.301	3150.249	1.661	2.142	369.099	1	14.846
2/15/2018 18:45	74700	12.984	17.671	29.593	2708.953	3149.862	1.661	2.142	369.146	1	14.849
2/15/2018 18:50	75000	12.986	17.672	29.599	2708.745	3149.565	1.661	2.142	369.175	1	14.848
2/15/2018 18:55	75300	12.989	17.672	29.605	2707.398	3148.011	1.66	2.141	369.358	1	14.848
2/15/2018 19:00	75600	12.988	17.672	29.603	2707.959	3148.67	1.66	2.141	369.282	1	14.846
2/15/2018 19:05	75900	12.988	17.672	29.603	2706.693	3147.198	1.659	2.141	369.454	1	14.848
2/15/2018 19:10	76200	12.99	17.672	29.607	2704.684	3144.855	1.658	2.139	369.729	1	14.848
2/15/2018 19:15	76500	12.99	17.672	29.609	2707.077	3147.656	1.659	2.14	369.402	1	14.867
2/15/2018 19:20	76800	12.988	17.672	29.605	2706.354	3146.828	1.659	2.14	369.501	1	14.849
2/15/2018 19:25	77100	12.987	17.672	29.602	2706.174	3146.588	1.659	2.14	369.525	1	14.851
2/15/2018 19:30	77400	12.987	17.672	29.6	2706.105	3146.503	1.659	2.14	369.535	1	14.853
2/15/2018 19:35	77700	12.994	17.672	29.617	2705.8	3146.16	1.659	2.139	369.576	1	14.851
2/15/2018 19:40	78000	12.991	17.672	29.611	2705.542	3145.841	1.658	2.139	369.612	1	14.85
2/15/2018 19:45	78300	12.994	17.672	29.617	2705.555	3147.037	1.659	2.14	369.473	1	14.848
2/15/2018 19:50	78600	12.993	17.672	29.616	2706.033	3146.413	1.659	2.141	369.547	1	14.849
2/15/2018 19:55	78900	12.993	17.672	29.614	2703.33	3143.276	1.657	2.137	369.914	1	14.849
2/15/2018 20:00	79200	12.993	17.672	29.615	2706.036	3146.404	1.659	2.14	369.547	1	14.845
2/15/2018 20:05	79500	12.991	17.672	29.611	2706.008	3146.414	1.659	2.14	369.548	1	14.847
2/15/2018 20:10	79800	12.991	17.672	29.615	2705.545	3145.869	1.658	2.139	369.611	1	14.854
2/15/2018 20:15	80100	12.99	17.672	29.607	2705.041	3145.253	1.658	2.139	369.68	1	14.855
2/15/2018 20:20	80400	12.989	17.672	29.605	2704.827	3145.027	1.658	2.139	369.71	1	14.857
2/15/2018 20:25	80700	12.985	17.672	29.597	2704.992	3145.189	1.658	2.139	369.687	1	14.861
2/15/2018 20:30	81000	12.984	17.672	29.594	2705.63	3145.932	1.659	2.139	369.602	1	14.864
2/15/2018 20:35	81300	12.982	17.672	29.59	2704.988	3145.203	1.658	2.139	369.687	1	14.862
2/15/2018 20:40	81600	12.987	17.672	29.602	2704.759	3144.937	1.658	2.139	369.719	1	14.861
2/15/2018 20:45	81900	12.99	17.672	29.608	2704.981	3145.213	1.658	2.139	369.688	1	14.859
2/15/2018 20:50	82200	12.99	17.672	29.609	2704.286	3144.393	1.658	2.138	369.783	1	14.861
2/15/2018 20:55	82500	12.988	17.672	29.603	2705.16	3145.403	1.658	2.139	369.664	1	14.863
2/15/2018 21:00	82800	12.985	17.672	29.598	2704.466	3144.626	1.658	2.138	369.759	1	14.865
2/15/2018 21:05	83100	12.986	17.672	29.601	2704.823	3145.027	1.658	2.139	369.71	1	14.868
2/15/2018 21:10	83400	12.987	17.672	29.601	2704.682	3144.84	1.658	2.138	369.729	1	14.866
2/15/2018 21:15	83700	12.987	17.672	29.603	2703.866	3143.928	1.657	2.138	369.841	1	14.867
2/15/2018 21:20	84000	12.988	17.672	29.604	2704.45	3144.42	1.658	2.139	369.763	1	14.866
2/15/2018 21:25	84300	12.988	17.672	29.604	2703.524	3143.495	1.658	2.138	369.888	1	14.866
2/15/2018 21:30	84600	12.99	17.672	29.609	2704.464	3144.618	1.658	2.138	369.759	1	14.865
2/15/2018 21:35	84900	12.99	17.672	29.607	2703.797	3143.813	1.657	2.138	369.851	1	14.866
2/15/2018 21:40	85200	12.99	17.672	29.607	2703.399	3143.373	1.657	2.137	369.905	1	14.868
2/15/2018 21:45	85500	12.989	17.672	29.605	2703.347	3143.319	1.657	2.137	369.912	1	14.869
2/15/2018 21:50	85800	12.989	17.672	29.605	2702.213	3144.236	1.658	2.138	369.793	1	14.869
2/15/2018 21:55	86100	12.99	17.672	29.608	2703.574	3143.56	1.657	2.138	369.881	1	14.869
2/15/2018 22:00	86400	12.99	17.672	29.609	2703.52	3143.502	1.657	2.138	369.898	1	14.869
2/15/2018 22:05	86700	12.993	17.672	29.601	2703.021	3142.934	1.657	2.137	369.956	1	14.87
2/15/2018 22:10	87000	12.99	17.672	29.609	2703.766	3143.837	1.657	2.137	369.855	1	14.871
2/15/2018 22:15	87300	12.989	17.672	29.606	2703.056	3142.958	1.657	2.137	369.952	1	14.872
2/15/2018 22:20	87600	12.989	17.672	29.606	2703.361	3143.33	1.657	2.137	369.91	1	14.871
2/15/2018 22:25	87900	12.99	17.672	29.602	2702.714	3142.612	1.657	2.137	369.996	1	14.871
2/15/2018 22:30	88200	12.991	17.672	29.611	2702.406	3142.238	1.656	2.137	370.041	1	14.87
2/15/2018 22:35	88500	12.99	17.672	29.608	2702.868	3142.763	1.657	2.137	369.977	1	14.871
2/15/2018 22:40	88800	12.988	17.672	29.601	2702.614	3142.443	1.657	2.137	370.021	1	14.871
2/15/2018 22:45	89100	12.988	17.672	29.604	2702.108	3141.848	1.656	2.136	370.081	1	14.872
2/15/2018 22:50	89400	12.988	17.672	29.603	2702.668	3142.512	1.657	2.137	370.005	1	14.872
2/15/2018 22:55	89700	12.982	17.672	29.597	2702.767	3142.626	1.657	2.137	369.991	1	14.872
2/15/2018 23:00	90000	12.987	17.672	29.602	2702.188	3141.965	1.656	2.137	370.071	1	14.872
2/15/2018 23:05	90300	12.988	17.672	29.603	2702.88	3142.776	1.657	2.137	369.976	1	14.871
2/15/2018 23:10	90600	12.99	17.672	29.606	2702.036	3141.752	1.656	2.137	369.952	1	14.871
2/15/2018 23:15	90900	12.99	17.672	29.607	2702.747	3142.628	1.657	2.137	369.994	1	14.87
2/15/2018 23:20	91200	12.987	17.672	29.602	2702.526	3142.359	1.657	2.137	370.024	1	14.872
2/15/2018 23:25	91500	12.984	17.672	29.596	2702.617	3142.464	1.656	2.137	370.012	1	14.871
2/15/2018 23:30	91800	12.982	17.672	29.591	2702.109	3141.856	1.656	2.136	370.081	1	14.877
2/15/2018 23:35	92100	12.985	17.672	29.598	2702.225	3142.015	1.656	2.137	370.065	1	14.876
2/15/2018 23:40	92400	12.986	17.672	29.6	2702.11	3141.986	1.656	2.137	370.067	1	14.876
2/15/2018 23:45	92700	12.986	17.672	29.6	2702.706	3142.574	1.657	2.137	370	1	14.873
2/15/2018 23:50	93000	12.986	17.672	29.598	2702.295	3142.091	1.656	2.137	370.056	1	14.874
2/15/2018 23:55	93300	12.985	17.672	29.597	2703.317	3143.128	1.657	2.137	369.916	1	14.875
2/16/2018 0:00	93600	12.985	17.672	29.597	2702.453	3142.268	1.656	2.137	370.034	1	14.874
2/16/2018 0:05	93900	12.985	17.672	29.597	2702.717	3142.587	1.657	2.137	369.998	1	14.872
2/16/2018 0:10	94200	12.987	17.672	29.602	2702.474	3142.268	1.656	2.137	370.031	1	14.87
2/16/2018 0:15	94500	12.983	17.672	29.601	2703.201	3143.138	1.657	2.137	369.932	1	14.869
2/16/2018 0:20	94800	12.985	17.672	29.597	2702.957	3142.878	1.657	2.137	369.965	1	14.869
2/16/2018 0:25	95100	12.986	17.672	29.598	2702.418	3143.39	1.657	2.138	369.902	1	14.87
2/16/2018 0:30	95400	12.984	17.672	29.597	2702.187	3143.145	1.657	2.137	369.934	1	14.871
2/16/2018 0:35	95700	12.984	17.672	29.595	2703.927	3143.987	1.657	2.138	369.833	1	14.872
2/16/2018 0:40	96000	12.984	17.672	29.594	2703.301	3143.254	1.657	2.137	369.918	1	14.872
2/16/2018 0:45	96300	12.982	17.672	29.59	2702.219	3144.327	1.658	2.138	369.791	1	14.873

2/16/2018 7:30	120600	12.985	17.672	29.596	2715.523	3157.477	1.665	2.147	368.253	1	14.857
2/16/2018 7:35	120900	12.986	17.672	29.592	2715.289	3157.151	1.665	2.147	368.268	1	14.86
2/16/2018 7:40	121200	12.983	17.672	29.591	2715.188	3154.762	1.663	2.145	368.57	1	14.862
2/16/2018 7:45	121500	12.982	17.672	29.59	2715.842	3157.842	1.665	2.147	368.21	1	14.857
2/16/2018 7:50	121800	12.98	17.672	29.585	2715.333	3157.148	1.665	2.147	368.251	1	14.865
2/16/2018 7:55	122100	12.981	17.671	29.587	2715.484	3157.48	1.665	2.147	368.257	1	14.865
2/16/2018 8:00	122400	12.981	17.671	29.588	2715.384	3157.334	1.665	2.147	368.272	1	14.865
2/16/2018 8:05	122700	12.979	17.672	29.583	2715.537	3157.487	1.665	2.147	368.251	1	14.867
2/16/2018 8:10	123000	12.979	17.672	29.581	2715.371	3158.813	1.663	2.145	368.481	1	14.869
2/16/2018 8:15	123300	12.979	17.672	29.583	2713.802	3155.481	1.664	2.146	368.487	1	14.871
2/16/2018 8:20	123600	12.978	17.672	29.581	2713.948	3155.627	1.664	2.146	368.467	1	14.87
2/16/2018 8:25	123900	12.98	17.672	29.585	2713.181	3155.472	1.664	2.146	368.481	1	14.869
2/16/2018 8:30	124200	12.981	17.672	29.588	2713.33	3154.928	1.664	2.145	368.551	1	14.867
2/16/2018 8:35	124500	12.986	17.671	29.599	2713.498	3155.142	1.664	2.145	368.528	1	14.865
2/16/2018 8:40	124800	12.986	17.672	29.592	2712.799	3154.232	1.663	2.145	368.628	1	14.862
2/16/2018 8:45	125100	12.988	17.672	29.605	2710.588	3151.715	1.662	2.143	368.924	1	14.858
2/16/2018 8:50	125400	12.987	17.672	29.601	2713.302	3154.9	1.664	2.145	368.555	1	14.859
2/16/2018 8:55	125700	12.985	17.672	29.599	2712.271	3153.689	1.663	2.145	368.695	1	14.86
2/16/2018 9:00	126000	12.987	17.672	29.601	2712.666	3154.161	1.663	2.145	368.641	1	14.862
2/16/2018 9:05	126300	12.984	17.672	29.595	2712.765	3154.233	1.663	2.145	368.628	1	14.862
2/16/2018 9:10	126600	12.986	17.672	29.598	2712.241	3153.655	1.663	2.144	368.699	1	14.862
2/16/2018 9:15	126900	12.985	17.672	29.596	2712.566	3154.002	1.663	2.145	368.655	1	14.863
2/16/2018 9:20	127200	12.985	17.672	29.597	2712.644	3154.123	1.663	2.145	368.644	1	14.864
2/16/2018 9:25	127500	12.983	17.672	29.593	2712.784	3154.268	1.663	2.145	368.625	1	14.864
2/16/2018 9:30	127800	12.98	17.672	29.586	2712.572	3154.04	1.663	2.145	368.654	1	14.864
2/16/2018 9:35	128100	12.981	17.672	29.589	2712.333	3153.744	1.663	2.145	368.689	1	14.865
2/16/2018 9:40	128400	12.982	17.672	29.59	2712.281	3153.707	1.663	2.145	368.691	1	14.866
2/16/2018 9:45	128700	12.98	17.672	29.588	2712.839	3154.655	1.663	2.145	368.604	1	14.867
2/16/2018 9:50	129000	12.982	17.672	29.589	2712.469	3153.938	1.663	2.145	368.668	1	14.864
2/16/2018 9:55	129300	12.983	17.672	29.592	2712.27	3153.676	1.663	2.144	368.695	1	14.864
2/16/2018 10:00	129600	12.986	17.672	29.595	2712.866	3154.155	1.663	2.145	368.638	1	14.86
2/16/2018 10:05	129900	12.984	17.672	29.595	2713.142	3154.685	1.663	2.145	368.576	1	14.861
2/16/2018 10:10	130200	12.981	17.672	29.588	2713.206	3154.771	1.663	2.145	368.568	1	14.862
2/16/2018 10:15	130500	12.978	17.671	29.591	2713.11	3154.576	1.663	2.145	368.567	1	14.863
2/16/2018 10:20	130800	12.981	17.672	29.587	2713.254	3154.833	1.663	2.145	368.561	1	14.861
2/16/2018 10:25	131100	12.981	17.672	29.588	2712.653	3154.125	1.663	2.145	368.643	1	14.859
2/16/2018 10:30	131400	12.982	17.672	29.59	2713.086	3154.644	1.663	2.145	368.584	1	14.857
2/16/2018 10:35	131700	12.981	17.672	29.588	2712.961	3154.492	1.663	2.145	368.601	1	14.857
2/16/2018 10:40	132000	12.98	17.672	29.584	2713.276	3154.87	1.664	2.145	368.558	1	14.858
2/16/2018 10:45	132300	12.978	17.672	29.583	2713.315	3155.064	1.664	2.146	368.417	1	14.858
2/16/2018 10:50	132600	12.978	17.672	29.581	2714.721	3156.526	1.664	2.146	368.362	1	14.857
2/16/2018 10:55	132900	12.978	17.672	29.583	2714.592	3156.382	1.664	2.146	368.38	1	14.857
2/16/2018 11:00	133200	12.978	17.672	29.583	2715.36	3157.363	1.665	2.147	368.275	1	14.857
2/16/2018 11:05	133500	12.979	17.672	29.584	2715.687	3157.662	1.665	2.147	368.231	1	14.85
2/16/2018 11:10	133800	12.982	17.672	29.59	2715.981	3157.991	1.665	2.147	368.191	1	14.85
2/16/2018 11:15	134100	12.985	17.672	29.582	2715.462	3157.394	1.665	2.147	368.261	1	14.857
2/16/2018 11:20	134400	12.984	17.672	29.594	2715.934	3157.937	1.665	2.147	368.197	1	14.848
2/16/2018 11:25	134700	12.982	17.672	29.591	2717.462	3159.738	1.666	2.149	367.99	1	14.848
2/16/2018 11:30	135000	12.98	17.672	29.583	2717.063	3159.255	1.666	2.148	368.044	1	14.849
2/16/2018 11:35	135300	12.981	17.672	29.589	2718.299	3160.692	1.667	2.149	367.877	1	14.846
2/16/2018 11:40	135600	12.984	17.672	29.595	2717.771	3160.097	1.666	2.149	367.949	1	14.843
2/16/2018 11:45	135900	12.984	17.672	29.595	2718.674	3161.147	1.667	2.15	367.826	1	14.844
2/16/2018 11:50	136200	12.983	17.672	29.593	2716.58	3158.706	1.666	2.148	368.11	1	14.839
2/16/2018 11:55	136500	12.982	17.672	29.589	2718.596	3161.05	1.667	2.15	367.837	1	14.838
2/16/2018 12:00	136800	12.982	17.672	29.591	2719.788	3162.988	1.668	2.15	367.678	1	14.837
2/16/2018 12:05	137100	12.982	17.672	29.591	2719.601	3162.187	1.668	2.15	367.701	1	14.837
2/16/2018 12:10	137400	12.982	17.672	29.589	2720.051	3162.682	1.668	2.151	367.645	1	14.836
2/16/2018 12:15	137700	12.982	17.672	29.59	2720.404	3163.109	1.668	2.151	367.593	1	14.836
2/16/2018 12:20	138000	12.982	17.672	29.591	2720.51	3163.71	1.668	2.151	367.504	1	14.836
2/16/2018 12:25	138300	12.982	17.671	29.591	2721.055	3163.934	1.669	2.151	367.524	1	14.832
2/16/2018 12:30	138600	12.982	17.672	29.591	2721.411	3164.336	1.669	2.152	367.456	1	14.83
2/16/2018 12:35	138900	12.982	17.672	29.591	2721.848	3164.825	1.669	2.152	367.397	1	14.831
2/16/2018 12:40	139200	12.981	17.672	29.587	2722.357	3165.41	1.669	2.152	367.329	1	14.831
2/16/2018 12:45	139500	12.979	17.672	29.583	2722.296	3165.358	1.669	2.152	367.337	1	14.831
2/16/2018 12:50	139800	12.98	17.672	29.583	2723.035	3166.188	1.67	2.153	367.238	1	14.828
2/16/2018 12:55	140100	12.981	17.672	29.588	2723.853	3167.151	1.67	2.154	367.127	1	14.825
2/16/2018 13:00	140400	12.984	17.672	29.595	2724.132	3167.5	1.671	2.154	367.089	1	14.822
2/16/2018 13:05	140700	12.982	17.672	29.589	2723.539	3166.81	1.67	2.153	367.183	1	14.823
2/16/2018 13:10	141000	12.982	17.672	29.589	2723.509	3166.756	1.67	2.153	367.173	1	14.823
2/16/2018 13:15	141300	12.979	17.672	29.583	2724.556	3167.962	1.671	2.154	367.032	1	14.824
2/16/2018 13:20	141600	12.981	17.672	29.587	2725.448	3168.981	1.671	2.154	366.912	1	14.822
2/16/2018 13:25	141900	12.981	17.672	29.588	2725.08	3168.565	1.671	2.154	366.962	1	14.82
2/16/2018 13:30	142200	12.983	17.672	29.593	2724.813	3168.267	1.671	2.154	366.998	1	14.818
2/16/2018 13:35	142500	12.983	17.672	29.593	2725.123	3168.796	1.672	2.155	366.921	1	14.817
2/16/2018 13:40	142800	12.984	17.672	29.595	2725.544	3169.111	1.671	2.155	366.899	1	14.815
2/16/2018 13:45	143100	12.984	17.672	29.594	2726.835	3170.618	1.672	2.156	366.726	1	14.814
2/16/2018 13:50	143400	12.984	17.672	29.592	2726.656	3170.681	1.672	2.155	366.81	1	14.812
2/16/2018 13:55	143700	12.985	17.672	29.597	2726.097	3169.74	1.672	2.155	366.825	1	14.811
2/16/2018 14:00	144000	12.987	17.672	29.601	2727.067	3170.875	1.672	2.156	366.694	1	14.809
2/16/2018 14:05	144300	12.985	17.672	29.599	2726.999	3170.802	1.672	2.156	366.703	1	14.81
2/16/2018 14:10	144600	12.985	17.672	29.597	2726.964	3170.749	1.672	2.156	366.708	1	14.811
2/16/2018 14:15	144900	12.982	17.672	29.59	2727.867	3171.818	1.673	2.157	366.587	1	14.812
2/16/2018 14:20	145200	12.982	17.672	29.589	2727.507	3171.423	1.673	2.157	366.635	1	14.812
2/16/2018 14:25	145500	12.98	17.672	29.587	2727.996	3171.556	1.673	2.157	366.566	1	14.812
2/16/2018 14:30	145800	12.98	17.672	29.585	2728.556	3172.613	1.673	2.157	366.484	1	14.812
2/16/2018 14:35	146100	12.981	17.672	29.587	2728.815	3172.914	1.674	2.158	366.459	1	14.812
2/16/2018 14:40	146400	12.98	17.672	29							

2/16/2018 21:25	170700	12.981	17.672	29.588	2729.815	3174.089	1.674	2.158	366.325	1	14.813
2/16/2018 21:30	171000	12.982	17.672	29.588	2729.812	3174.149	1.674	2.158	366.318	1	14.814
2/16/2018 21:35	171300	12.981	17.672	29.587	2729.869	3173.571	1.674	2.158	366.351	1	14.815
2/16/2018 21:40	171600	12.979	17.672	29.582	2729.259	3173.43	1.674	2.158	366.4	1	14.815
2/16/2018 21:45	171900	12.977	17.672	29.579	2728.843	3172.943	1.674	2.158	366.457	1	14.816
2/16/2018 21:50	172200	12.977	17.672	29.585	2729.025	3173.183	1.674	2.158	366.431	1	14.817
2/16/2018 21:55	172500	12.978	17.671	29.582	2729.172	3173.379	1.674	2.158	366.411	1	14.816
2/16/2018 22:00	172800	12.981	17.672	29.587	2729.345	3173.51	1.674	2.158	366.388	1	14.814
2/16/2018 22:05	173100	12.982	17.672	29.587	2729.362	3173.027	1.674	2.158	366.448	1	14.815
2/16/2018 22:10	173400	12.982	17.672	29.59	2728.927	3173.051	1.674	2.158	366.444	1	14.815
2/16/2018 22:15	173700	12.98	17.672	29.585	2728.843	3172.959	1.674	2.158	366.456	1	14.816
2/16/2018 22:20	174000	12.978	17.671	29.58	2728.945	3173.102	1.674	2.158	366.442	1	14.818
2/16/2018 22:25	174300	12.977	17.672	29.579	2729.151	3173.323	1.674	2.158	366.414	1	14.82
2/16/2018 22:30	174600	12.974	17.672	29.572	2728.859	3170.658	1.672	2.156	366.722	1	14.822
2/16/2018 22:35	174900	12.973	17.671	29.57	2728.897	3171.047	1.674	2.158	366.461	1	14.82
2/16/2018 22:40	175200	12.977	17.671	29.578	2729.138	3173.339	1.674	2.158	366.416	1	14.819
2/16/2018 22:45	175500	12.978	17.672	29.581	2728.936	3173.085	1.674	2.158	366.443	1	14.817
2/16/2018 22:50	175800	12.977	17.672	29.579	2729.12	3172.293	1.674	2.158	367.152	1	14.816
2/16/2018 22:55	176100	12.978	17.671	29.58	2729.029	3173.205	1.674	2.158	366.431	1	14.816
2/16/2018 23:00	176400	12.977	17.672	29.58	2728.743	3172.849	1.674	2.158	366.469	1	14.815
2/16/2018 23:05	176700	12.977	17.672	29.579	2728.675	3172.757	1.673	2.157	366.478	1	14.816
2/16/2018 23:10	177000	12.978	17.672	29.581	2728.81	3172.527	1.674	2.158	366.46	1	14.816
2/16/2018 23:15	177300	12.979	17.671	29.582	2728.252	3173.459	1.674	2.158	366.401	1	14.817
2/16/2018 23:20	177600	12.979	17.672	29.582	2728.426	3172.474	1.673	2.157	366.512	1	14.818
2/16/2018 23:25	177900	12.978	17.672	29.582	2728.958	3173.099	1.674	2.158	366.44	1	14.82
2/16/2018 23:30	178200	12.978	17.672	29.581	2730.71	3175.113	1.675	2.169	366.205	1	14.821
2/16/2018 23:35	178500	12.981	17.672	29.587	2735.086	3180.224	1.678	2.193	365.639	1	14.819
2/16/2018 23:40	178800	12.981	17.672	29.591	2739.056	3185.837	1.681	2.196	366.969	1	14.817
2/16/2018 23:45	179100	12.984	17.672	29.595	2745.506	3192.291	1.684	2.201	364.232	1	14.815
2/16/2018 23:50	179400	12.982	17.672	29.59	2751.361	3199.104	1.688	2.175	361.457	1	14.817
2/16/2018 23:55	179700	12.981	17.672	29.589	2755.171	3203.547	1.691	2.178	362.954	1	14.819
2/17/2018 00:00	180000	12.98	17.672	29.586	2759.394	3208.439	1.693	2.182	362.398	1	14.821
2/17/2018 00:05	180300	12.98	17.672	29.585	2762.726	3212.13	1.696	2.184	361.961	1	14.821
2/17/2018 00:10	180600	12.98	17.674	29.587	2767.224	3217.542	1.698	2.188	361.371	1	14.813
2/17/2018 00:15	180900	12.981	17.672	29.587	2770.439	3221.281	1.701	2.193	360.954	1	14.82
2/17/2018 00:20	181200	12.98	17.672	29.585	2773.704	3225.077	1.703	2.195	360.529	1	14.821
2/17/2018 00:25	181500	12.979	17.671	29.587	2776.607	3228.821	1.705	2.197	360.141	1	14.822
2/17/2018 00:30	181800	12.977	17.673	29.579	2779.639	3231.939	1.707	2.198	359.759	1	14.822
2/17/2018 00:35	182100	12.98	17.673	29.585	2781.965	3234.626	1.708	2.2	359.458	1	14.821
2/17/2018 00:40	182400	12.981	17.672	29.585	2785.132	3238.152	1.71	2.202	359.040	1	14.82
2/17/2018 00:45	182700	12.985	17.673	29.597	2787.13	3240.662	1.711	2.204	358.792	1	14.819
2/17/2018 00:50	183000	12.983	17.673	29.592	2790.271	3244.32	1.713	2.206	358.388	1	14.818
2/17/2018 00:55	183300	12.985	17.671	29.598	2793.649	3247.686	1.715	2.208	357.983	1	14.816
2/17/2018 1:00	183600	12.982	17.672	29.59	2794.917	3249.735	1.716	2.212	357.792	1	14.82
2/17/2018 1:05	183900	12.983	17.673	29.592	2797.446	3252.632	1.718	2.212	357.469	1	14.817
2/17/2018 1:10	184200	12.985	17.673	29.597	2799.937	3255.517	1.72	2.214	357.151	1	14.819
2/17/2018 1:15	184500	12.986	17.673	29.6	2801.727	3257.635	1.721	2.215	356.923	1	14.816
2/17/2018 1:20	184800	12.986	17.673	29.599	2803.836	3260.056	1.722	2.217	356.654	1	14.817
2/17/2018 1:25	185100	12.985	17.673	29.598	2805.862	3262.369	1.723	2.218	356.399	1	14.817
2/17/2018 1:30	185400	12.986	17.673	29.599	2808.02	3264.902	1.725	2.22	356.123	1	14.817
2/17/2018 1:35	185700	12.988	17.673	29.603	2810.187	3267.446	1.726	2.222	355.848	1	14.816
2/17/2018 1:40	186000	12.987	17.672	29.602	2812.522	3270.148	1.728	2.224	355.553	1	14.815
2/17/2018 1:45	186300	12.99	17.674	29.607	2814.893	3272.873	1.729	2.226	355.253	1	14.813
2/17/2018 1:50	186600	12.988	17.673	29.604	2817.021	3275.38	1.731	2.227	354.985	1	14.815
2/17/2018 1:55	186900	12.985	17.673	29.608	2819.706	3277.851	1.732	2.229	354.773	1	14.816
2/17/2018 2:00	187200	12.986	17.673	29.6	2820.826	3279.835	1.733	2.231	354.508	1	14.817
2/17/2018 2:05	187500	12.986	17.673	29.599	2823.362	3282.771	1.735	2.232	354.188	1	14.818
2/17/2018 2:10	187800	12.986	17.673	29.598	2824.651	3284.257	1.736	2.233	354.026	1	14.818
2/17/2018 2:15	188100	12.987	17.673	29.601	2826.775	3286.714	1.737	2.235	353.74	1	14.819
2/17/2018 2:20	188400	12.988	17.673	29.604	2828.43	3289.84	1.739	2.237	353.428	1	14.82
2/17/2018 2:25	188700	12.989	17.673	29.607	2831.128	3291.789	1.74	2.238	353.126	1	14.815
2/17/2018 2:30	189000	12.99	17.674	29.612	2833.382	3293.544	1.741	2.239	352.851	1	14.813
2/17/2018 2:35	189300	12.991	17.673	29.61	2835.198	3296.527	1.743	2.242	352.709	1	14.815
2/17/2018 2:40	189600	12.991	17.673	29.611	2836.768	3298.346	1.744	2.243	352.514	1	14.813
2/17/2018 2:45	189900	12.992	17.673	29.617	2837.859	3299.61	1.745	2.244	352.381	1	14.814
2/17/2018 2:50	190200	12.994	17.673	29.617	2840.317	3302.454	1.746	2.246	352.073	1	14.813
2/17/2018 2:55	190500	12.994	17.674	29.618	2842.338	3304.796	1.747	2.247	351.823	1	14.812
2/17/2018 3:00	190800	12.995	17.673	29.62	2843.495	3306.199	1.748	2.248	351.681	1	14.811
2/17/2018 3:05	191100	12.994	17.673	29.617	2844.408	3307.229	1.749	2.249	351.567	1	14.813
2/17/2018 3:10	191400	12.992	17.673	29.613	2846.957	3310.179	1.75	2.251	351.252	1	14.814
2/17/2018 3:15	191700	12.99	17.673	29.608	2847.965	3311.905	1.751	2.252	350.951	1	14.816
2/17/2018 3:20	192000	12.992	17.673	29.614	2849.436	3313.094	1.752	2.253	350.947	1	14.814
2/17/2018 3:25	192300	12.993	17.673	29.615	2851.542	3315.537	1.753	2.255	350.687	1	14.812
2/17/2018 3:30	192600	12.994	17.673	29.618	2852.58	3316.75	1.754	2.255	350.476	1	14.813
2/17/2018 3:35	192900	12.992	17.673	29.614	2854.284	3318.731	1.755	2.257	350.35	1	14.812
2/17/2018 3:40	193200	12.991	17.673	29.611	2854.679	3319.184	1.755	2.257	350.302	1	14.814
2/17/2018 3:45	193500	12.99	17.673	29.607	2856.023	3320.71	1.756	2.258	350.137	1	14.815
2/17/2018 3:50	193800	12.991	17.673	29.611	2856.867	3321.887	1.757	2.259	350.019	1	14.813
2/17/2018 3:55	194100	12.993	17.673	29.616	2858.21	3323.264	1.758	2.26	349.869	1	14.812
2/17/2018 4:00	194400	12.994	17.673	29.618	2858.801	3324.068	1.758	2.261	349.786	1	14.811
2/17/2018 4:05	194700	12.996	17.673	29.622	2860.811	3325.295	1.759	2.262	349.555	1	14.807
2/17/2018 4:10	195000	12.999	17.673	29.629	2862.992	3326.51	1.759	2.262	349.529	1	14.804
2/17/2018 4:15	195300	13.001	17.673	29.634	2864.721	3327.365	1.76	2.263	349.44	1	14.801
2/17/2018 4:20	195600	12.998	17.672	29.627	2865.635	3328.563	1.761	2.264	349.285	1	14.802
2/17/2018 4:25	195900	12.992	17.673	29.614	2864.025	3330.039	1.761	2.264	349.159	1	14.803
2/17/2018 4:30	196200	12.996	17.673	29.621	2864.445	3330.545	1.762	2.265	349.108	1	14.804
2/17/2018 4:35	196500	12.997	17.673	29.625	2865.114						

2/17/2018 11:20	220800	13.011	17.671	29.657	2845.552	3308.693	1.749	2.25	351.426	1	14.805
2/17/2018 11:25	221100	13.01	17.672	29.657	2845.552	3308.693	1.749	2.25	351.426	1	14.805
2/17/2018 11:30	221400	13.01	17.671	29.654	2844.247	3304.574	1.747	2.247	351.822	1	14.806
2/17/2018 11:35	221700	13.011	17.671	29.655	2841.627	3304.13	1.747	2.247	351.911	1	14.804
2/17/2018 11:40	222000	13.01	17.671	29.653	2840.922	3303.318	1.746	2.246	351.988	1	14.803
2/17/2018 11:45	222300	13.011	17.671	29.653	2839.917	3300.974	1.745	2.245	352.247	1	14.802
2/17/2018 11:50	222600	13.012	17.671	29.658	2837.436	3299.27	1.744	2.244	352.431	1	14.801
2/17/2018 11:55	222900	13.012	17.671	29.659	2836.258	3297.926	1.743	2.243	352.577	1	14.799
2/17/2018 12:00	223200	13.014	17.671	29.661	2834.271	3295.577	1.742	2.241	352.824	1	14.797
2/17/2018 12:05	223500	13.018	17.671	29.672	2834.554	3295.918	1.742	2.241	352.789	1	14.792
2/17/2018 12:10	223800	13.021	17.671	29.679	2832.502	3291.533	1.741	2.24	353.045	1	14.788
2/17/2018 12:15	224100	13.025	17.671	29.688	2831.065	3293.025	1.741	2.239	353.099	1	14.783
2/17/2018 12:20	224400	13.021	17.671	29.678	2830.789	3291.528	1.74	2.238	353.258	1	14.786
2/17/2018 12:25	224700	13.016	17.671	29.668	2828.829	3289.276	1.739	2.237	353.503	1	14.789
2/17/2018 12:30	225000	13.013	17.671	29.661	2828.471	3288.859	1.738	2.236	353.548	1	14.793
2/17/2018 12:35	225300	13.016	17.671	29.668	2826.574	3286.646	1.737	2.235	353.785	1	14.788
2/17/2018 12:40	225600	13.019	17.671	29.675	2825.574	3285.472	1.736	2.234	353.931	1	14.784
2/17/2018 12:45	225900	13.022	17.671	29.681	2824.304	3284.007	1.736	2.233	354.078	1	14.779
2/17/2018 12:50	226200	13.022	17.671	29.681	2822.828	3282.271	1.735	2.232	354.255	1	14.78
2/17/2018 12:55	226500	13.02	17.671	29.677	2822.147	3281.511	1.734	2.231	354.34	1	14.78
2/17/2018 13:00	226800	13.018	17.671	29.672	2820.612	3279.727	1.733	2.23	354.523	1	14.778
2/17/2018 13:05	227100	13.017	17.671	29.669	2820.678	3279.766	1.733	2.23	354.525	1	14.78
2/17/2018 13:10	227400	13.018	17.671	29.671	2818.915	3277.728	1.732	2.229	354.746	1	14.779
2/17/2018 13:15	227700	13.016	17.671	29.668	2817.329	3276.889	1.731	2.228	354.966	1	14.779
2/17/2018 13:20	228000	13.016	17.671	29.667	2816.56	3275.022	1.731	2.227	355.043	1	14.779
2/17/2018 13:25	228300	13.016	17.671	29.667	2815.076	3273.289	1.73	2.226	355.23	1	14.779
2/17/2018 13:30	228600	13.015	17.671	29.664	2814.11	3272.166	1.729	2.225	355.352	1	14.78
2/17/2018 13:35	228900	13.018	17.671	29.671	2814.077	3272.115	1.729	2.225	355.356	1	14.775
2/17/2018 13:40	229200	13.02	17.671	29.677	2810.468	3267.925	1.727	2.222	355.813	1	14.77
2/17/2018 13:45	229500	13.025	17.671	29.679	2807.297	3266.908	1.727	2.223	356.708	1	14.766
2/17/2018 13:50	229800	13.022	17.671	29.682	2807.788	3268.291	1.727	2.222	356.772	1	14.769
2/17/2018 13:55	230100	13.02	17.671	29.676	2809.241	3266.486	1.726	2.221	355.968	1	14.772
2/17/2018 14:00	230400	13.016	17.671	29.668	2808.106	3265.16	1.725	2.22	356.112	1	14.774
2/17/2018 14:05	230700	13.016	17.671	29.667	2807.049	3263.821	1.724	2.219	356.246	1	14.774
2/17/2018 14:10	231000	13.015	17.671	29.665	2806.645	3263.485	1.724	2.219	356.297	1	14.774
2/17/2018 14:15	231300	13.015	17.671	29.666	2805.599	3262.284	1.723	2.218	356.43	1	14.773
2/17/2018 14:20	231600	13.017	17.671	29.667	2805.307	3261.888	1.723	2.218	356.461	1	14.771
2/17/2018 14:25	231900	13.019	17.671	29.673	2804.234	3260.702	1.723	2.217	356.604	1	14.769
2/17/2018 14:30	232200	13.02	17.671	29.676	2803.817	3260.16	1.722	2.217	356.657	1	14.767
2/17/2018 14:35	232500	13.02	17.671	29.677	2804.507	3260.881	1.723	2.217	356.569	1	14.768
2/17/2018 14:40	232800	13.02	17.671	29.677	2805.51	3262.154	1.723	2.218	356.441	1	14.769
2/17/2018 14:45	233100	13.018	17.671	29.672	2806.648	3263.458	1.724	2.219	356.297	1	14.769
2/17/2018 14:50	233400	13.018	17.671	29.672	2809.391	3266.648	1.726	2.221	356.948	1	14.764
2/17/2018 14:55	233700	13.019	17.672	29.674	2812.182	3269.867	1.724	2.22	355.956	1	14.77
2/17/2018 15:00	234000	13.017	17.672	29.669	2814.229	3272.247	1.729	2.225	355.337	1	14.777
2/17/2018 15:05	234300	13.018	17.672	29.671	2817.785	3275.923	1.731	2.228	354.939	1	14.78
2/17/2018 15:10	234600	13.018	17.672	29.673	2820.54	3279.567	1.733	2.23	354.542	1	14.768
2/17/2018 15:15	234900	13.018	17.672	29.673	2823.536	3283.082	1.735	2.232	354.166	1	14.768
2/17/2018 15:20	235200	13.02	17.672	29.676	2826.584	3286.53	1.737	2.235	353.744	1	14.767
2/17/2018 15:25	235500	13.021	17.672	29.678	2830.428	3291.07	1.74	2.238	353.303	1	14.767
2/17/2018 15:30	235800	13.021	17.672	29.678	2832.918	3293.959	1.741	2.24	352.993	1	14.767
2/17/2018 15:35	236100	13.02	17.672	29.679	2835.03	3296.383	1.743	2.242	352.73	1	14.767
2/17/2018 15:40	236400	13.019	17.672	29.674	2837.652	3299.45	1.744	2.244	352.404	1	14.767
2/17/2018 15:45	236700	13.02	17.672	29.676	2841.418	3303.816	1.747	2.247	351.937	1	14.767
2/17/2018 15:50	237000	13.024	17.672	29.678	2842.944	3305.611	1.748	2.248	351.748	1	14.766
2/17/2018 15:55	237300	13.022	17.672	29.681	2846.381	3309.626	1.75	2.25	351.323	1	14.765
2/17/2018 16:00	237600	13.023	17.672	29.683	2847.844	3311.314	1.751	2.252	351.143	1	14.764
2/17/2018 16:05	237900	13.02	17.672	29.677	2850.721	3314.613	1.753	2.254	350.788	1	14.766
2/17/2018 16:10	238200	13.02	17.672	29.675	2853.512	3318.715	1.754	2.256	350.568	1	14.767
2/17/2018 16:15	238500	13.02	17.673	29.676	2856.428	3318.918	1.755	2.257	350.333	1	14.769
2/17/2018 16:20	238800	13.019	17.672	29.675	2858.036	3320.801	1.756	2.258	350.136	1	14.769
2/17/2018 16:25	239100	13.02	17.673	29.678	2858.448	3323.592	1.758	2.26	349.841	1	14.769
2/17/2018 16:30	239400	13.019	17.672	29.675	2859.42	3324.755	1.758	2.261	349.721	1	14.77
2/17/2018 16:35	239700	13.021	17.673	29.68	2861.68	3327.33	1.76	2.263	349.445	1	14.766
2/17/2018 16:40	240000	13.024	17.672	29.682	2862.262	3328.721	1.761	2.264	349.303	1	14.763
2/17/2018 16:45	240300	13.028	17.672	29.684	2863.719	3329.74	1.761	2.264	349.196	1	14.76
2/17/2018 16:50	240600	13.022	17.672	29.681	2865.5	3331.817	1.762	2.266	348.979	1	14.764
2/17/2018 16:55	240900	13.02	17.672	29.682	2866.556	3333.04	1.762	2.266	348.851	1	14.763
2/17/2018 17:00	241200	13.016	17.673	29.667	2866.921	3333.438	1.763	2.267	348.806	1	14.771
2/17/2018 17:05	241500	13.019	17.673	29.674	2867.435	3334.041	1.764	2.267	348.744	1	14.767
2/17/2018 17:10	241800	13.023	17.673	29.683	2868.514	3335.319	1.764	2.268	348.681	1	14.764
2/17/2018 17:15	242100	13.027	17.673	29.682	2869.49	3336.406	1.765	2.269	348.494	1	14.76
2/17/2018 17:20	242400	13.025	17.672	29.688	2869.639	3336.624	1.765	2.269	348.476	1	14.761
2/17/2018 17:25	242700	13.02	17.673	29.689	2870.599	3337.727	1.766	2.27	348.359	1	14.762
2/17/2018 17:30	243000	13.022	17.673	29.68	2871.244	3338.471	1.766	2.27	348.281	1	14.763
2/17/2018 17:35	243300	13.021	17.673	29.678	2871.37	3338.624	1.766	2.27	348.266	1	14.764
2/17/2018 17:40	243600	13.02	17.673	29.68	2872.721	3340.19	1.767	2.271	348.098	1	14.764
2/17/2018 17:45	243900	13.02	17.673	29.678	2873.763	3340.927	1.767	2.272	348.024	1	14.764
2/17/2018 17:50	244200	13.022	17.673	29.681	2873.232	3339.718	1.767	2.271	348.152	1	14.763
2/17/2018 17:55	244500	13.025	17.672	29.687	2873.249	3340.814	1.767	2.272	348.038	1	14.763
2/17/2018 18:00	244800	13.025	17.673	29.687	2873.433	3340.96	1.767	2.272	348.018	1	14.763
2/17/2018 18:05	245100	13.025	17.673	29.687	2873.423	3340.998	1.767	2.272	348.017	1	14.761
2/17/2018 18:10	245400	13.021	17.673	29.68	2874.44	3342.187	1.768	2.273	347.894	1	14.763
2/17/2018 18:15	245700	13.02	17.673	29.677	2875.907	3343.174	1.768	2.274	347.958	1	14.763
2/17/2018 18:20	246000	13.02	17.673	29.679	2874.236	3341.936	1.768	2.273	347.919	1	14.764
2/17/2018 18:25	246300	13.021	17.673	29.678	2874.465	3342.203	1.768	2.273	347.891	1	14.765
2/17/2018 18:30	246600	13.02	17.673								

2/18/2018 1:15	270900	13.038	17.672	28.719	2879.029	3347.535	1.771	2.276	347.339	1	14.751
2/18/2018 1:20	271200	13.041	17.675	28.722	2879.689	3347.535	1.771	2.276	347.339	1	14.751
2/18/2018 1:25	271500	13.043	17.677	28.73	2879.97	3348.637	1.772	2.276	347.226	1	14.748
2/18/2018 1:30	271800	13.045	17.679	28.733	2879.75	3348.361	1.772	2.277	347.252	1	14.746
2/18/2018 1:35	272100	13.045	17.679	28.733	2879.228	3347.535	1.771	2.276	347.315	1	14.746
2/18/2018 1:40	272400	13.046	17.679	28.734	2879.774	3348.376	1.772	2.277	347.249	1	14.745
2/18/2018 1:45	272700	13.045	17.679	28.734	2879.416	3347.959	1.771	2.277	347.293	1	14.744
2/18/2018 1:50	273000	13.043	17.679	28.73	2879.207	3347.709	1.771	2.276	347.318	1	14.745
2/18/2018 1:55	273300	13.042	17.678	28.729	2879.038	3347.522	1.771	2.276	347.341	1	14.747
2/18/2018 2:00	273600	13.042	17.679	28.726	2879.266	3347.765	1.771	2.276	347.311	1	14.748
2/18/2018 2:05	273900	13.043	17.679	28.729	2879.413	3347.975	1.771	2.277	347.291	1	14.746
2/18/2018 2:10	274200	13.045	17.679	28.74	2879.263	3347.781	1.771	2.277	347.311	1	14.743
2/18/2018 2:15	274500	13.048	17.679	28.74	2879.111	3347.618	1.771	2.276	347.329	1	14.74
2/18/2018 2:20	274800	13.048	17.672	28.741	2879.726	3347.196	1.771	2.276	347.376	1	14.74
2/18/2018 2:25	275100	13.047	17.679	28.738	2879.309	3347.448	1.771	2.277	347.306	1	14.74
2/18/2018 2:30	275400	13.047	17.672	28.738	2879.563	3348.169	1.771	2.277	347.275	1	14.74
2/18/2018 2:35	275700	13.047	17.679	28.738	2879.436	3347.963	1.771	2.277	347.29	1	14.74
2/18/2018 2:40	276000	13.047	17.679	28.739	2879.229	3347.761	1.771	2.276	347.315	1	14.74
2/18/2018 2:45	276300	13.047	17.679	28.739	2879.998	3348.623	1.772	2.277	347.223	1	14.74
2/18/2018 2:50	276600	13.05	17.679	28.744	2879.474	3348.019	1.771	2.277	347.286	1	14.739
2/18/2018 2:55	276900	13.05	17.679	28.745	2879.173	3347.683	1.771	2.276	347.321	1	14.74
2/18/2018 3:00	277200	13.051	17.679	28.748	2879.99	3348.646	1.772	2.277	347.223	1	14.736
2/18/2018 3:05	277500	13.049	17.679	28.744	2879.835	3348.466	1.772	2.277	347.242	1	14.738
2/18/2018 3:10	277800	13.048	17.672	28.74	2880.328	3349.046	1.772	2.277	347.183	1	14.74
2/18/2018 3:15	278100	13.045	17.672	28.734	2879.136	3347.673	1.771	2.276	347.326	1	14.742
2/18/2018 3:20	278400	13.046	17.672	28.735	2880.14	3348.827	1.772	2.277	347.205	1	14.74
2/18/2018 3:25	278700	13.046	17.679	28.736	2880.429	3349.118	1.772	2.277	347.17	1	14.739
2/18/2018 3:30	279000	13.046	17.672	28.737	2879.646	3348.26	1.772	2.277	347.265	1	14.738
2/18/2018 3:35	279300	13.047	17.679	28.735	2880.444	3349.142	1.772	2.277	347.169	1	14.738
2/18/2018 3:40	279600	13.046	17.672	28.738	2879.886	3347.951	1.771	2.277	347.296	1	14.739
2/18/2018 3:45	279900	13.046	17.679	28.735	2880.387	3349.102	1.772	2.277	347.176	1	14.739
2/18/2018 3:50	280200	13.048	17.672	28.738	2879.478	3348.057	1.771	2.277	347.285	1	14.737
2/18/2018 3:55	280500	13.047	17.679	28.74	2880.459	3349.173	1.772	2.277	347.167	1	14.738
2/18/2018 4:00	280800	13.046	17.672	28.739	2880.584	3349.143	1.772	2.278	347.155	1	14.736
2/18/2018 4:05	281100	13.048	17.672	28.739	2879.708	3348.337	1.772	2.277	347.257	1	14.736
2/18/2018 4:10	281400	13.046	17.672	28.737	2879.874	3348.524	1.772	2.277	347.237	1	14.737
2/18/2018 4:15	281700	13.047	17.672	28.734	2880.8	3349.028	1.772	2.277	347.124	1	14.738
2/18/2018 4:20	282000	13.05	17.679	28.734	2879.58	3348.131	1.771	2.277	347.273	1	14.736
2/18/2018 4:25	282300	13.052	17.672	28.749	2880.335	3349.073	1.772	2.277	347.182	1	14.735
2/18/2018 4:30	282600	13.053	17.672	28.752	2880.534	3349.285	1.772	2.278	347.158	1	14.734
2/18/2018 4:35	282900	13.053	17.672	28.753	2880.024	3348.698	1.772	2.279	347.219	1	14.734
2/18/2018 4:40	283200	13.053	17.672	28.751	2879.709	3348.346	1.772	2.277	347.257	1	14.735
2/18/2018 4:45	283500	13.053	17.672	28.751	2879.819	3348.44	1.772	2.277	347.246	1	14.734
2/18/2018 4:50	283800	13.053	17.672	28.752	2880.11	3348.825	1.772	2.279	347.209	1	14.737
2/18/2018 4:55	284100	13.052	17.679	28.749	2880.832	3349.586	1.772	2.278	347.122	1	14.739
2/18/2018 5:00	284400	13.052	17.679	28.749	2880.081	3348.739	1.772	2.277	347.197	1	14.74
2/18/2018 5:05	284700	13.053	17.672	28.752	2879.58	3348.182	1.771	2.277	347.273	1	14.741
2/18/2018 5:10	285000	13.054	17.672	28.754	2879.661	3348.27	1.772	2.277	347.263	1	14.742
2/18/2018 5:15	285300	13.054	17.672	28.751	2880.562	3349.212	1.772	2.278	347.154	1	14.745
2/18/2018 5:20	285600	13.054	17.679	28.753	2880.398	3349.121	1.772	2.277	347.174	1	14.743
2/18/2018 5:25	285900	13.054	17.672	28.754	2880.222	3348.934	1.772	2.277	347.194	1	14.744
2/18/2018 5:30	286200	13.052	17.679	28.753	2880.168	3348.867	1.772	2.277	347.203	1	14.743
2/18/2018 5:35	286500	13.058	17.675	28.764	2880.188	3348.87	1.772	2.277	347.2	1	14.743
2/18/2018 5:40	286800	13.059	17.672	28.764	2880.976	3349.806	1.772	2.278	347.105	1	14.741
2/18/2018 5:45	287100	13.061	17.672	28.765	2880.595	3349.355	1.772	2.278	347.151	1	14.74
2/18/2018 5:50	287400	13.062	17.675	28.766	2880.713	3349.506	1.772	2.278	347.136	1	14.744
2/18/2018 5:55	287700	13.054	17.679	28.753	2879.798	3348.41	1.772	2.277	347.247	1	14.748
2/18/2018 6:00	288000	13.048	17.679	28.741	2880.343	3349.017	1.772	2.277	347.181	1	14.752
2/18/2018 6:05	288300	13.051	17.672	28.742	2880.148	3348.856	1.772	2.278	347.204	1	14.749
2/18/2018 6:10	288600	13.053	17.672	28.752	2879.873	3348.483	1.772	2.278	347.135	1	14.747
2/18/2018 6:15	288900	13.055	17.672	28.756	2880.043	3348.714	1.772	2.277	347.217	1	14.744
2/18/2018 6:20	289200	13.054	17.672	28.751	2880.53	3349.12	1.772	2.278	347.158	1	14.745
2/18/2018 6:25	289500	13.051	17.672	28.748	2880.945	3349.776	1.772	2.278	347.108	1	14.745
2/18/2018 6:30	289800	13.052	17.672	28.749	2880.884	3349.698	1.772	2.278	347.116	1	14.746
2/18/2018 6:35	290100	13.054	17.672	28.752	2880.07	3348.74	1.772	2.278	347.214	1	14.744
2/18/2018 6:40	290400	13.054	17.679	28.754	2880.293	3348.992	1.772	2.277	347.187	1	14.743
2/18/2018 6:45	290700	13.055	17.679	28.757	2880.635	3349.396	1.772	2.278	347.146	1	14.741
2/18/2018 6:50	291000	13.055	17.679	28.757	2881.163	3350.029	1.772	2.278	347.082	1	14.741
2/18/2018 6:55	291300	13.054	17.679	28.755	2881.477	3350.368	1.773	2.278	347.144	1	14.742
2/18/2018 7:00	291600	13.054	17.672	28.753	2880.667	3349.479	1.772	2.278	347.142	1	14.742
2/18/2018 7:05	291900	13.056	17.678	28.758	2880.387	3349.19	1.772	2.278	347.041	1	14.743
2/18/2018 7:10	292200	13.054	17.679	28.754	2880.801	3349.589	1.772	2.278	347.126	1	14.744
2/18/2018 7:15	292500	13.053	17.672	28.751	2880.149	3348.851	1.772	2.277	347.204	1	14.744
2/18/2018 7:20	292800	13.056	17.678	28.762	2880.417	3349.156	1.772	2.278	347.197	1	14.744
2/18/2018 7:25	293100	13.06	17.672	28.767	2880.207	3348.925	1.772	2.277	347.197	1	14.741
2/18/2018 7:30	293400	13.062	17.672	28.773	2881.237	3350.115	1.773	2.278	347.073	1	14.739
2/18/2018 7:35	293700	13.061	17.679	28.768	2881.436	3350.317	1.773	2.278	347.089	1	14.742
2/18/2018 7:40	294000	13.057	17.672	28.76	2880.88	3349.714	1.772	2.278	347.116	1	14.745
2/18/2018 7:45	294300	13.054	17.672	28.754	2880.544	3349.296	1.772	2.278	347.157	1	14.748
2/18/2018 7:50	294600	13.055	17.679	28.757	2881.14	3350.203	1.773	2.278	347.061	1	14.747
2/18/2018 7:55	294900	13.057	17.672	28.761	2880.789	3349.594	1.772	2.278	347.127	1	14.746
2/18/2018 8:00	295200	13.058	17.672	28.763	2881.511	3350.434	1.773	2.278	347.074	1	14.745
2/18/2018 8:05	295500	13.056	17.672	28.759	2880.646	3349.416	1.772	2.278	347.144	1	14.748
2/18/2018 8:10	295800	13.054	17.672	28.761	2880.117	3348.794	1.772	2.278	347.208	1	14.748
2/18/2018 8:15	296100	13.052	17.672	28.749	2881.286	3350.167	1.773	2.278	347.067	1	14.755
2/18/2018 8:20	296400	13.057	17.672	28.757	2880.707	3349.486	1.772	2.278	347.137	1	14.751
2/18/2018 8:25	296700	13.058	17.672	28.762	2880.475	3349.21	1.772	2.2			

2/18/2018 15:10	321000	13.068	17.672	29.787	2882.66	3351.783	1.773	2.279	346.902	1	14.725
2/18/2018 15:15	321280	13.069	17.672	29.787	2881.752	3350.773	1.773	2.278	347.011	1	14.724
2/18/2018 15:20	321600	13.072	17.672	29.794	2882.071	3351.052	1.773	2.279	346.975	1	14.722
2/18/2018 15:25	321900	13.074	17.672	29.799	2882.388	3351.454	1.773	2.279	346.935	1	14.72
2/18/2018 15:30	322200	13.073	17.672	29.795	2882.069	3351.071	1.773	2.279	346.974	1	14.723
2/18/2018 15:35	322500	13.072	17.672	29.794	2882.549	3351.654	1.773	2.279	346.915	1	14.72
2/18/2018 15:40	322800	13.072	17.672	29.795	2881.91	3350.911	1.773	2.279	346.992	1	14.722
2/18/2018 15:45	323100	13.072	17.672	29.795	2881.684	3350.655	1.773	2.278	347.019	1	14.725
2/18/2018 15:50	323400	13.074	17.672	29.792	2882.485	3351.825	1.774	2.279	346.899	1	14.723
2/18/2018 15:55	323700	13.073	17.672	29.797	2882.627	3351.732	1.773	2.279	346.906	1	14.722
2/18/2018 16:00	324000	13.076	17.672	29.804	2881.873	3350.849	1.773	2.279	346.997	1	14.721
2/18/2018 16:05	324300	13.074	17.672	29.8	2881.664	3350.625	1.773	2.278	347.022	1	14.722
2/18/2018 16:10	324600	13.073	17.672	29.797	2881.638	3350.582	1.773	2.278	347.025	1	14.724
2/18/2018 16:15	324900	13.07	17.672	29.792	2881.882	3350.872	1.773	2.279	346.995	1	14.725
2/18/2018 16:20	325200	13.072	17.672	29.796	2882.178	3351.209	1.773	2.279	346.966	1	14.724
2/18/2018 16:25	325500	13.075	17.673	29.801	2882.803	3351.917	1.773	2.279	346.885	1	14.723
2/18/2018 16:30	325800	13.073	17.672	29.797	2882.143	3351.168	1.773	2.279	346.964	1	14.723
2/18/2018 16:35	326100	13.074	17.672	29.792	2882.177	3351.45	1.773	2.279	346.936	1	14.722
2/18/2018 16:40	326400	13.068	17.672	29.787	2882.446	3351.534	1.773	2.279	346.928	1	14.728
2/18/2018 16:45	326700	13.065	17.672	29.78	2882.021	3351.066	1.773	2.279	346.979	1	14.731
2/18/2018 16:50	327000	13.069	17.672	29.782	2882.036	3351.296	1.774	2.279	346.959	1	14.728
2/18/2018 16:55	327300	13.071	17.672	29.794	2882.45	3351.552	1.773	2.279	346.927	1	14.724
2/18/2018 17:00	327600	13.076	17.672	29.804	2882.337	3351.427	1.773	2.279	346.941	1	14.721
2/18/2018 17:05	327900	13.074	17.672	29.799	2882.379	3351.45	1.773	2.279	346.936	1	14.722
2/18/2018 17:10	328200	13.073	17.672	29.798	2882.991	3352.162	1.774	2.279	346.862	1	14.724
2/18/2018 17:15	328500	13.072	17.672	29.795	2881.891	3350.902	1.773	2.279	346.994	1	14.725
2/18/2018 17:20	328800	13.074	17.672	29.801	2882.603	3351.039	1.773	2.279	346.981	1	14.723
2/18/2018 17:25	329100	13.075	17.672	29.802	2882.294	3351.358	1.773	2.279	346.946	1	14.721
2/18/2018 17:30	329400	13.079	17.673	29.817	2881.775	3350.722	1.773	2.278	347.008	1	14.719
2/18/2018 17:35	329700	13.076	17.672	29.824	2882.238	3351.378	1.773	2.279	346.942	1	14.723
2/18/2018 17:40	330000	13.074	17.672	29.8	2882.474	3351.561	1.773	2.279	346.924	1	14.723
2/18/2018 17:45	330300	13.073	17.672	29.797	2882.021	3351.013	1.773	2.279	346.979	1	14.725
2/18/2018 17:50	330600	13.073	17.672	29.796	2882.415	3351.472	1.773	2.279	346.931	1	14.725
2/18/2018 17:55	330900	13.072	17.672	29.791	2881.996	3351.043	1.773	2.279	346.982	1	14.726
2/18/2018 18:00	331200	13.073	17.672	29.798	2882.481	3351.595	1.773	2.279	346.923	1	14.726
2/18/2018 18:05	331500	13.075	17.672	29.803	2883.131	3352.304	1.774	2.28	346.845	1	14.725
2/18/2018 18:10	331800	13.075	17.672	29.807	2882.17	3351.665	1.773	2.279	346.913	1	14.725
2/18/2018 18:15	332100	13.077	17.672	29.807	2882.2	3351.249	1.773	2.279	346.957	1	14.724
2/18/2018 18:20	332400	13.077	17.672	29.805	2883.158	3352.396	1.774	2.28	346.842	1	14.725
2/18/2018 18:25	332700	13.076	17.672	29.802	2882.066	3351.08	1.773	2.279	346.975	1	14.729
2/18/2018 18:30	333000	13.076	17.672	29.805	2882.598	3351.724	1.773	2.279	346.909	1	14.726
2/18/2018 18:35	333300	13.077	17.672	29.807	2882.461	3351.572	1.773	2.279	346.926	1	14.726
2/18/2018 18:40	333600	13.078	17.672	29.812	2882.244	3351.286	1.773	2.279	346.953	1	14.729
2/18/2018 18:45	333900	13.079	17.672	29.811	2882.656	3351.752	1.773	2.279	346.902	1	14.726
2/18/2018 18:50	334200	13.078	17.672	29.809	2883.279	3352.523	1.774	2.28	346.827	1	14.725
2/18/2018 18:55	334500	13.078	17.672	29.811	2882.179	3351.211	1.773	2.279	346.96	1	14.725
2/18/2018 19:00	334800	13.08	17.672	29.813	2882.675	3351.82	1.774	2.279	346.9	1	14.725
2/18/2018 19:05	335100	13.08	17.672	29.813	2882.732	3351.861	1.774	2.279	346.893	1	14.725
2/18/2018 19:10	335400	13.08	17.672	29.812	2883.201	3352.365	1.774	2.28	346.837	1	14.725
2/18/2018 19:15	335700	13.078	17.672	29.809	2882.894	3352.049	1.774	2.279	346.974	1	14.725
2/18/2018 19:20	336000	13.08	17.672	29.813	2883.383	3352.6	1.774	2.28	346.817	1	14.724
2/18/2018 19:25	336300	13.079	17.672	29.817	2882.077	3351.089	1.773	2.279	346.972	1	14.723
2/18/2018 19:30	336600	13.083	17.672	29.821	2883.328	3352.547	1.774	2.28	346.821	1	14.721
2/18/2018 19:35	336900	13.079	17.672	29.811	2882.67	3351.776	1.773	2.279	346.901	1	14.723
2/18/2018 19:40	337200	13.08	17.672	29.813	2883.17	3352.276	1.774	2.28	346.84	1	14.725
2/18/2018 19:45	337500	13.077	17.672	29.813	2883.372	3352.598	1.774	2.28	346.816	1	14.725
2/18/2018 19:50	337800	13.08	17.673	29.813	2882.674	3351.76	1.773	2.279	346.9	1	14.726
2/18/2018 19:55	338100	13.081	17.672	29.815	2883.007	3352.173	1.774	2.28	346.824	1	14.725
2/18/2018 20:00	338400	13.082	17.672	29.815	2883.527	3352.824	1.774	2.28	346.798	1	14.726
2/18/2018 20:05	338700	13.08	17.672	29.812	2882.845	3352.019	1.774	2.279	346.88	1	14.726
2/18/2018 20:10	339000	13.076	17.672	29.804	2882.557	3351.683	1.773	2.279	346.919	1	14.729
2/18/2018 20:15	339300	13.075	17.672	29.803	2882.36	3351.414	1.773	2.279	346.938	1	14.726
2/18/2018 20:20	339600	13.08	17.672	29.813	2883.108	3352.312	1.774	2.28	346.848	1	14.728
2/18/2018 20:25	339900	13.081	17.672	29.817	2882.423	3351.494	1.773	2.279	346.891	1	14.725
2/18/2018 20:30	340200	13.085	17.672	29.825	2882.736	3352.872	1.774	2.28	346.853	1	14.722
2/18/2018 20:35	340500	13.083	17.673	29.821	2882.905	3352.036	1.774	2.279	346.872	1	14.725
2/18/2018 20:40	340800	13.082	17.672	29.817	2882.885	3352.071	1.774	2.279	346.875	1	14.727
2/18/2018 20:45	341100	13.08	17.672	29.814	2882.864	3351.84	1.773	2.279	346.877	1	14.729
2/18/2018 20:50	341400	13.08	17.672	29.812	2882.826	3351.97	1.774	2.279	346.882	1	14.73
2/18/2018 20:55	341700	13.081	17.672	29.816	2883.467	3352.761	1.774	2.28	346.805	1	14.731
2/18/2018 21:00	342000	13.082	17.672	29.817	2883.734	3353.163	1.774	2.28	346.771	1	14.731
2/18/2018 21:05	342300	13.081	17.672	29.815	2882.376	3351.461	1.773	2.279	346.936	1	14.731
2/18/2018 21:10	342600	13.081	17.672	29.816	2883.388	3352.643	1.774	2.28	346.814	1	14.73
2/18/2018 21:15	342900	13.082	17.672	29.821	2882.7	3351.646	1.773	2.279	346.937	1	14.729
2/18/2018 21:20	343200	13.085	17.672	29.824	2882.481	3351.569	1.773	2.279	346.923	1	14.73
2/18/2018 21:25	343500	13.086	17.672	29.826	2882.602	3351.716	1.773	2.279	346.909	1	14.73
2/18/2018 21:30	343800	13.085	17.672	29.825	2882.505	3351.616	1.773	2.279	346.92	1	14.73
2/18/2018 21:35	344100	13.085	17.672	29.825	2882.741	3351.884	1.774	2.279	346.892	1	14.731
2/18/2018 21:40	344400	13.084	17.672	29.822	2883.619	3352.906	1.774	2.28	346.786	1	14.732
2/18/2018 21:45	344700	13.083	17.672	29.821	2882.976	3352.138	1.774	2.279	346.864	1	14.733
2/18/2018 21:50	345000	13.083	17.672	29.823	2882.574	3351.691	1.773	2.279	346.912	1	14.733
2/18/2018 21:55	345300	13.082	17.672	29.818	2882.806	3351.966	1.774	2.279	346.884	1	14.734
2/18/2018 22:00	345600	13.08	17.672	29.813	2882.545	3351.643	1.773	2.279	346.916	1	14.734
2/18/2018 22:05	345900	13.079	17.672	29.812	2882.565	3351.66	1.773	2.279	346.913	1	14.735
2/18/2018 22:10	346200	13.079	17.672	29.81	2882.804	3351.931	1.774	2.279	346.885	1	14.736
2/18/2018 22:15	346500	13.078	17.672	29.809	2882.63	3351.762	1.773	2.279	346.905	1	14.736
2/18/2018 22:20	346800	13.078</									

2/19/2018 5:05	371100	13.097	17.672	29.852	2882.935	3352.11	1.774	2.279	346.869	1	14.72
2/19/2018 5:10	371400	13.093	17.672	29.852	2882.862	3352.075	1.774	2.279	346.878	1	14.721
2/19/2018 5:15	371700	13.092	17.672	29.841	2882.423	3351.475	1.773	2.279	346.83	1	14.722
2/19/2018 5:20	372000	13.092	17.672	29.84	2883.74	3353.013	1.774	2.28	346.772	1	14.722
2/19/2018 5:25	372300	13.091	17.673	29.84	2883.288	3352.454	1.774	2.28	346.826	1	14.723
2/19/2018 5:30	372600	13.091	17.673	29.839	2882.734	3351.856	1.774	2.279	346.893	1	14.723
2/19/2018 5:35	372900	13.091	17.673	29.839	2883.168	3352.341	1.774	2.28	346.841	1	14.723
2/19/2018 5:40	373200	13.091	17.672	29.839	2883.378	3352.405	1.774	2.28	346.815	1	14.723
2/19/2018 5:45	373500	13.091	17.672	29.841	2883.989	3353.847	1.774	2.28	346.741	1	14.723
2/19/2018 5:50	373800	13.093	17.673	29.843	2883.193	3352.37	1.774	2.28	346.838	1	14.724
2/19/2018 5:55	374100	13.091	17.672	29.84	2883.574	3352.84	1.774	2.28	346.792	1	14.725
2/19/2018 6:00	374400	13.091	17.672	29.839	2883.139	3352.437	1.774	2.28	346.832	1	14.725
2/19/2018 6:05	374700	13.093	17.672	29.844	2883.77	3353.081	1.774	2.28	346.768	1	14.727
2/19/2018 6:10	375000	13.089	17.672	29.834	2882.85	3352.004	1.774	2.279	346.879	1	14.729
2/19/2018 6:15	375300	13.085	17.672	29.835	2882.507	3351.592	1.773	2.279	346.857	1	14.73
2/19/2018 6:20	375600	13.088	17.672	29.832	2883.112	3352.295	1.774	2.28	346.847	1	14.729
2/19/2018 6:25	375900	13.092	17.672	29.84	2882.725	3351.846	1.774	2.279	346.894	1	14.727
2/19/2018 6:30	376200	13.089	17.671	29.842	2883.469	3352.723	1.774	2.28	346.805	1	14.726
2/19/2018 6:35	376500	13.092	17.673	29.841	2882.705	3351.835	1.774	2.279	346.896	1	14.725
2/19/2018 6:40	376800	13.092	17.672	29.841	2883.622	3352.896	1.774	2.28	346.786	1	14.725
2/19/2018 6:45	377100	13.096	17.672	29.849	2882.678	3352.941	1.774	2.28	346.779	1	14.724
2/19/2018 6:50	377400	13.096	17.672	29.849	2883.079	3352.27	1.774	2.28	346.851	1	14.723
2/19/2018 6:55	377700	13.096	17.672	29.849	2882.654	3351.776	1.773	2.279	346.903	1	14.723
2/19/2018 7:00	378000	13.096	17.673	29.849	2882.42	3351.53	1.774	2.279	346.883	1	14.722
2/19/2018 7:05	378300	13.096	17.672	29.85	2882.388	3351.448	1.773	2.279	346.935	1	14.722
2/19/2018 7:10	378600	13.094	17.673	29.844	2882.562	3351.629	1.773	2.279	346.914	1	14.722
2/19/2018 7:15	378900	13.094	17.672	29.846	2883.005	3352.211	1.774	2.28	346.86	1	14.723
2/19/2018 7:20	379200	13.095	17.672	29.847	2883.073	3352.257	1.774	2.28	346.852	1	14.724
2/19/2018 7:25	379500	13.096	17.672	29.849	2882.781	3351.924	1.774	2.279	346.887	1	14.725
2/19/2018 7:30	379800	13.096	17.672	29.849	2882.471	3351.544	1.773	2.279	346.925	1	14.725
2/19/2018 7:35	380100	13.099	17.672	29.852	2883.351	3352.573	1.774	2.28	346.819	1	14.725
2/19/2018 7:40	380400	13.101	17.672	29.862	2882.308	3351.36	1.773	2.279	346.944	1	14.724
2/19/2018 7:45	380700	13.104	17.672	29.868	2882.826	3351.963	1.774	2.279	346.882	1	14.722
2/19/2018 7:50	381000	13.103	17.673	29.864	2882.781	3351.878	1.774	2.279	346.887	1	14.723
2/19/2018 7:55	381300	13.102	17.672	29.863	2882.443	3351.531	1.773	2.279	346.928	1	14.728
2/19/2018 8:00	381600	13.098	17.672	29.864	2882.268	3351.321	1.773	2.279	346.949	1	14.731
2/19/2018 8:05	381900	13.1	17.672	29.862	2882.317	3352.467	1.774	2.28	346.832	1	14.73
2/19/2018 8:10	382200	13.098	17.672	29.855	2882.298	3351.395	1.773	2.279	346.945	1	14.735
2/19/2018 8:15	382500	13.097	17.672	29.852	2883.056	3352.251	1.774	2.28	346.854	1	14.737
2/19/2018 8:20	382800	13.096	17.672	29.851	2882.218	3351.282	1.773	2.279	346.953	1	14.739
2/19/2018 8:25	383100	13.096	17.672	29.852	2882.259	3351.329	1.773	2.279	346.95	1	14.741
2/19/2018 8:30	383400	13.093	17.672	29.842	2882.198	3351.24	1.773	2.279	346.957	1	14.743
2/19/2018 8:35	383700	13.095	17.672	29.849	2882.096	3351.109	1.773	2.279	346.981	1	14.743
2/19/2018 8:40	384000	13.096	17.672	29.85	2882.34	3351.398	1.773	2.279	346.94	1	14.742
2/19/2018 8:45	384300	13.095	17.672	29.848	2882.093	3351.131	1.773	2.279	346.937	1	14.742
2/19/2018 8:50	384600	13.097	17.672	29.852	2882.656	3351.824	1.774	2.28	346.902	1	14.743
2/19/2018 8:55	384900	13.099	17.672	29.858	2882.736	3351.898	1.774	2.279	346.893	1	14.741
2/19/2018 9:00	385200	13.098	17.672	29.855	2882.098	3351.136	1.773	2.279	346.937	1	14.74
2/19/2018 9:05	385500	13.099	17.672	29.856	2882.256	3351.32	1.773	2.279	346.951	1	14.741
2/19/2018 9:10	385800	13.097	17.672	29.853	2883.069	3352.284	1.774	2.28	346.853	1	14.742
2/19/2018 9:15	386100	13.096	17.672	29.851	2882.272	3351.352	1.773	2.279	346.948	1	14.743
2/19/2018 9:20	386400	13.097	17.672	29.853	2882.256	3352.075	1.774	2.279	346.873	1	14.742
2/19/2018 9:25	386700	13.095	17.672	29.847	2883.905	3350.905	1.773	2.279	346.993	1	14.746
2/19/2018 9:30	387000	13.093	17.672	29.844	2882	3351.002	1.773	2.279	346.981	1	14.747
2/19/2018 9:35	387300	13.092	17.672	29.842	2883.348	3352.377	1.774	2.28	346.843	1	14.749
2/19/2018 9:40	387600	13.09	17.672	29.837	2883.928	3350.958	1.773	2.279	346.959	1	14.752
2/19/2018 9:45	387900	13.089	17.673	29.834	2882.242	3351.258	1.773	2.279	346.952	1	14.754
2/19/2018 9:50	388200	13.089	17.672	29.834	2882.223	3351.282	1.773	2.279	346.954	1	14.754
2/19/2018 9:55	388500	13.09	17.672	29.837	2882.902	3352.012	1.774	2.28	346.873	1	14.754
2/19/2018 10:00	388800	13.09	17.672	29.836	2882.708	3351.846	1.774	2.279	346.896	1	14.755
2/19/2018 10:05	389100	13.091	17.672	29.839	2882.054	3351.091	1.773	2.279	346.975	1	14.754
2/19/2018 10:10	389400	13.092	17.672	29.841	2883.965	3350.956	1.773	2.279	346.985	1	14.753
2/19/2018 10:15	389700	13.093	17.672	29.843	2882.978	3352.126	1.774	2.28	346.864	1	14.752
2/19/2018 10:20	390000	13.092	17.673	29.842	2883.044	3352.197	1.774	2.279	346.856	1	14.753
2/19/2018 10:25	390300	13.093	17.672	29.842	2882.209	3351.262	1.773	2.279	346.956	1	14.753
2/19/2018 10:30	390600	13.093	17.672	29.842	2882.348	3351.414	1.773	2.279	346.939	1	14.754
2/19/2018 10:35	390900	13.094	17.672	29.846	2882.355	3351.402	1.773	2.279	346.931	1	14.752
2/19/2018 10:40	391200	13.097	17.672	29.847	2882.14	3351.241	1.773	2.279	346.945	1	14.751
2/19/2018 10:45	391500	13.096	17.673	29.849	2882.025	3351.012	1.773	2.279	346.978	1	14.749
2/19/2018 10:50	391800	13.097	17.672	29.852	2882.373	3351.443	1.773	2.279	346.936	1	14.749
2/19/2018 10:55	392100	13.097	17.672	29.851	2882.298	3351.223	1.773	2.279	346.945	1	14.749
2/19/2018 11:00	392400	13.096	17.672	29.85	2882.072	3351.073	1.773	2.279	346.973	1	14.749
2/19/2018 11:05	392700	13.098	17.672	29.854	2882.007	3351.004	1.773	2.279	346.98	1	14.749
2/19/2018 11:10	393000	13.098	17.672	29.854	2882.099	3351.111	1.773	2.279	346.969	1	14.748
2/19/2018 11:15	393300	13.1	17.673	29.859	2882.078	3351.074	1.773	2.279	346.972	1	14.748
2/19/2018 11:20	393600	13.098	17.672	29.854	2882.802	3351.948	1.774	2.28	346.885	1	14.75
2/19/2018 11:25	393900	13.096	17.672	29.849	2881.935	3350.913	1.773	2.279	346.989	1	14.752
2/19/2018 11:30	394200	13.095	17.672	29.847	2882.04	3351.043	1.773	2.279	346.976	1	14.753
2/19/2018 11:35	394500	13.092	17.673	29.841	2882.52	3351.588	1.773	2.279	346.919	1	14.754
2/19/2018 11:40	394800	13.093	17.672	29.844	2882.713	3352.074	1.774	2.279	346.895	1	14.754
2/19/2018 11:45	395100	13.091	17.672	29.841	2881.42	3350.78	1.773	2.279	347.003	1	14.755
2/19/2018 11:50	395400	13.091	17.672	29.839	2881.658	3350.604	1.773	2.279	347.022	1	14.754
2/19/2018 11:55	395700	13.092	17.672	29.841	2882.123	3351.146	1.773	2.279	346.968	1	14.753
2/19/2018 12:00	396000	13.093	17.672	29.841	2881.504	3350.898	1.773	2.279	346.993	1	14.754
2/19/2018 12:05	396300	13.095	17.672	29.847	2881.666	3350.621	1.773	2.279	347.022	1	14.748
2/19/2018 12:10	396600	13.098	17.672	29.855	2882.682	3351.796	1.773	2.279	346.899	1	14.748
2/19/2018 12:15	396900	13.104	17.672	29.861	2881.646	3350.578	1.773				

2/19/2018 19:00	421200	13:05	17.673	29.87	2881.018	3349.822	1.772	2.278	347.1	1	14.757
2/19/2018 19:05	421500	13:10	17.673	29.869	2881.104	3349.822	1.772	2.278	347.085	1	14.756
2/19/2018 19:10	421800	13:10	17.673	29.867	2880.806	3349.562	1.772	2.278	347.125	1	14.762
2/19/2018 19:15	422100	13:10	17.673	29.862	2880.815	3349.593	1.772	2.278	347.124	1	14.764
2/19/2018 19:20	422400	13:10	17.673	29.866	2881.372	3350.27	1.773	2.278	347.057	1	14.764
2/19/2018 19:25	422700	13:10	17.673	29.869	2881.373	3350.215	1.773	2.278	347.057	1	14.764
2/19/2018 19:30	423000	13:10	17.673	29.871	2881.793	3350.716	1.773	2.278	347.006	1	14.764
2/19/2018 19:35	423300	13:10	17.673	29.865	2881.133	3349.824	1.772	2.278	347.086	1	14.766
2/19/2018 19:40	423600	13:10	17.673	29.862	2882.025	3351.013	1.773	2.278	346.979	1	14.769
2/19/2018 19:45	423900	13:11	17.673	29.861	2881.756	3350.673	1.773	2.278	347.011	1	14.771
2/19/2018 19:50	424200	13:10	17.673	29.863	2881.936	3350.849	1.773	2.279	346.989	1	14.769
2/19/2018 19:55	424500	13:10	17.673	29.869	2881.405	3350.227	1.773	2.278	347.053	1	14.767
2/19/2018 20:00	424800	13:10	17.673	29.872	2882.179	3351.132	1.773	2.279	346.96	1	14.765
2/19/2018 20:05	425100	13:10	17.673	29.874	2881.404	3350.277	1.773	2.278	347.053	1	14.765
2/19/2018 20:10	425400	13:10	17.673	29.863	2881.353	3350.185	1.773	2.278	347.059	1	14.765
2/19/2018 20:15	425700	13:10	17.673	29.874	2881.022	3349.801	1.772	2.278	347.099	1	14.765
2/19/2018 20:20	426000	13:11	17.673	29.882	2881.17	3349.991	1.772	2.278	347.081	1	14.766
2/19/2018 20:25	426300	13:11	17.673	29.875	2881.475	3350.221	1.773	2.278	347.044	1	14.766
2/19/2018 20:30	426600	13:12	17.673	29.887	2881.173	3349.977	1.772	2.278	347.081	1	14.766
2/19/2018 20:35	426900	13:11	17.673	29.883	2881.727	3350.653	1.773	2.278	347.014	1	14.768
2/19/2018 20:40	427200	13:10	17.673	29.879	2881.505	3350.421	1.773	2.278	347.041	1	14.77
2/19/2018 20:45	427500	13:10	17.673	29.88	2881.215	3350.031	1.773	2.278	347.076	1	14.771
2/19/2018 20:50	427800	13:11	17.673	29.885	2881.907	3350.849	1.773	2.279	346.992	1	14.772
2/19/2018 20:55	428100	13:12	17.673	29.885	2881.37	3350.232	1.773	2.278	347.057	1	14.773
2/19/2018 21:00	428400	13:12	17.673	29.887	2881.315	3350.16	1.773	2.278	347.064	1	14.773
2/19/2018 21:05	428700	13:11	17.673	29.882	2881.701	3350.629	1.773	2.278	347.017	1	14.777
2/19/2018 21:10	429000	13:10	17.673	29.874	2881.667	3350.564	1.773	2.278	347.021	1	14.781
2/19/2018 21:15	429300	13:10	17.673	29.875	2880.774	3349.526	1.772	2.278	347.129	1	14.785
2/19/2018 21:20	429600	13:10	17.673	29.869	2881.233	3350.053	1.773	2.278	347.074	1	14.787
2/19/2018 21:25	429900	13:10	17.673	29.867	2880.984	3349.77	1.772	2.278	347.104	1	14.788
2/19/2018 21:30	430200	13:10	17.673	29.869	2880.792	3349.527	1.772	2.278	347.127	1	14.789
2/19/2018 21:35	430500	13:10	17.673	29.869	2881.816	3350.75	1.773	2.279	347.003	1	14.79
2/19/2018 21:40	430800	13:10	17.673	29.872	2881.053	3349.855	1.772	2.278	347.095	1	14.79
2/19/2018 21:45	431100	13:10	17.673	29.861	2881.569	3350.423	1.773	2.278	347.033	1	14.79
2/19/2018 21:50	431400	13:10	17.673	29.869	2880.836	3349.578	1.772	2.278	347.121	1	14.791
2/19/2018 21:55	431700	13:10	17.673	29.869	2881.01	3349.78	1.772	2.278	347.101	1	14.79
2/19/2018 22:00	432000	13:10	17.673	29.861	2880.446	3350.288	1.773	2.278	347.046	1	14.794
2/19/2018 22:05	432300	13:10	17.673	29.872	2881.569	3350.43	1.773	2.278	347.033	1	14.791
2/19/2018 22:10	432600	13:10	17.674	29.867	2881.715	3350.574	1.773	2.278	347.016	1	14.793
2/19/2018 22:15	432900	13:10	17.674	29.861	2881.06	3349.818	1.772	2.278	347.094	1	14.794
2/19/2018 22:20	433200	13:10	17.674	29.871	2880.485	3349.144	1.772	2.277	347.164	1	14.794
2/19/2018 22:25	433500	13:10	17.674	29.87	2880.881	3349.605	1.772	2.278	347.116	1	14.793
2/19/2018 22:30	433800	13:10	17.674	29.861	2881.068	3349.815	1.772	2.278	347.094	1	14.793
2/19/2018 22:35	434100	13:10	17.674	29.876	2881.66	3350.504	1.773	2.278	347.022	1	14.793
2/19/2018 22:40	434400	13:10	17.674	29.876	2881.152	3349.919	1.772	2.278	347.083	1	14.793
2/19/2018 22:45	434700	13:10	17.673	29.878	2880.558	3349.255	1.772	2.277	347.155	1	14.794
2/19/2018 22:50	435000	13:10	17.674	29.876	2881.182	3349.96	1.772	2.278	347.08	1	14.795
2/19/2018 22:55	435300	13:10	17.674	29.875	2880.782	3349.476	1.772	2.278	347.128	1	14.796
2/19/2018 23:00	435600	13:10	17.674	29.871	2881.01	3349.749	1.772	2.278	347.1	1	14.796
2/19/2018 23:05	435900	13:10	17.673	29.875	2880.77	3349.508	1.772	2.278	347.129	1	14.796
2/19/2018 23:10	436200	13:10	17.674	29.874	2880.959	3349.682	1.772	2.278	347.107	1	14.795
2/19/2018 23:15	436500	13:10	17.674	29.869	2881.855	3349.718	1.773	2.278	346.999	1	14.795
2/19/2018 23:20	436800	13:10	17.673	29.868	2880.786	3349.513	1.772	2.278	347.127	1	14.795
2/19/2018 23:25	437100	13:10	17.674	29.88	2880.666	3349.354	1.772	2.278	347.142	1	14.795
2/19/2018 23:30	437400	13:10	17.673	29.878	2880.992	3349.76	1.772	2.278	347.103	1	14.795
2/19/2018 23:35	437700	13:10	17.673	29.877	2881.532	3350.387	1.773	2.278	347.038	1	14.797
2/19/2018 23:40	438000	13:10	17.673	29.878	2881.532	3350.406	1.773	2.278	347.038	1	14.797
2/19/2018 23:45	438300	13:11	17.673	29.881	2880.684	3349.4	1.772	2.278	347.109	1	14.797
2/19/2018 23:50	438600	13:10	17.673	29.875	2880.98	3349.746	1.772	2.278	347.104	1	14.798
2/19/2018 23:55	438900	13:10	17.674	29.871	2880.971	3349.709	1.772	2.278	347.135	1	14.803
2/20/2018 0:00	439200	13:10	17.673	29.865	2881.282	3350.116	1.773	2.278	347.068	1	14.806
2/20/2018 0:05	439500	13:10	17.673	29.861	2881.595	3350.486	1.773	2.278	347.01	1	14.806
2/20/2018 0:10	439800	13:10	17.673	29.865	2881.16	3349.847	1.772	2.278	347.082	1	14.806
2/20/2018 0:15	440100	13:10	17.673	29.866	2881.022	3349.795	1.772	2.278	347.099	1	14.806
2/20/2018 0:20	440400	13:10	17.673	29.861	2880.656	3349.368	1.772	2.278	347.143	1	14.806
2/20/2018 0:25	440700	13:10	17.673	29.866	2880.659	3349.372	1.772	2.278	347.143	1	14.806
2/20/2018 0:30	441000	13:10	17.673	29.868	2881.475	3350.334	1.773	2.278	347.044	1	14.806
2/20/2018 0:35	441300	13:10	17.673	29.867	2880.769	3349.727	1.772	2.278	347.157	1	14.806
2/20/2018 0:40	441600	13:10	17.673	29.868	2880.538	3349.238	1.772	2.278	347.157	1	14.806
2/20/2018 0:45	441900	13:10	17.673	29.868	2880.785	3349.531	1.772	2.278	347.128	1	14.806
2/20/2018 0:50	442200	13:10	17.674	29.862	2880.612	3349.333	1.772	2.278	347.153	1	14.806
2/20/2018 0:55	442500	13:11	17.674	29.893	2881.575	3350.417	1.773	2.278	347.032	1	14.802
2/20/2018 1:00	442800	13:11	17.674	29.889	2880.843	3349.547	1.772	2.278	347.121	1	14.8
2/20/2018 1:05	443100	13:11	17.674	29.889	2881.039	3349.782	1.772	2.278	347.097	1	14.804
2/20/2018 1:10	443400	13:12	17.673	29.887	2881.394	3350.233	1.773	2.278	347.054	1	14.802
2/20/2018 1:15	443700	13:11	17.673	29.879	2881.348	3350.161	1.773	2.278	347.106	1	14.803
2/20/2018 1:20	444000	13:11	17.673	29.884	2881.383	3350.266	1.773	2.278	347.096	1	14.806
2/20/2018 1:25	444300	13:10	17.673	29.889	29.875	3349.732	1.772	2.278	347.105	1	14.81
2/20/2018 1:30	444600	13:10	17.673	29.871	2880.99	3349.757	1.772	2.278	347.103	1	14.813
2/20/2018 1:35	444900	13:10	17.673	29.877	2881.131	3349.914	1.772	2.278	347.086	1	14.812
2/20/2018 1:40	445200	13:11	17.674	29.881	2881.357	3350.164	1.773	2.278	347.059	1	14.811
2/20/2018 1:45	445500	13:10	17.673	29.876	2880.513	3349.19	1.772	2.277	347.16	1	14.81
2/20/2018 1:50	445800	13:10	17.674	29.877	2880.906	3349.639	1.772	2.278	347.113	1	14.812
2/20/2018 1:55	446100	13:10	17.674	29.871	2881.111	3349.865	1.772	2.278	347.086	1	14.815
2/20/2018 2:00	446400	13:10	17.673	29.869	2881.501	3350.344	1.773	2.278	347.041	1	14.817
2/20/2018 2:05	446700	13:10	17.673	29.869	2881.536	3350.356	1.773	2.278	347.04	1	14.817
2/20/2018 2:10	447000	13:10	17.673	29.875	2880.84	3349.57	1.772	2.278	347.121	1	

2/20/2018 8:55	471300	13.09	17.67	29.835	2790.276	3244.51	1.714	2.206	358.387	1	14.858
2/20/2018 9:00	471600	13.089	17.67	29.834	2786.746	3240.392	1.711	2.203	358.841	1	14.86
2/20/2018 9:05	471900	13.088	17.67	29.831	2780.574	3233.246	1.707	2.199	359.638	1	14.86
2/20/2018 9:10	472200	13.088	17.67	29.831	2779.034	3231.463	1.706	2.197	359.837	1	14.86
2/20/2018 9:15	472500	13.088	17.67	29.831	2776.035	3227.917	1.704	2.195	360.225	1	14.859
2/20/2018 9:20	472800	13.092	17.67	29.827	2771.143	3222.249	1.701	2.191	360.862	1	14.854
2/20/2018 9:25	473100	13.096	17.67	29.849	2768.031	3218.656	1.699	2.189	361.268	1	14.849
2/20/2018 9:30	473400	13.101	17.67	29.861	2761.646	3213.588	1.696	2.185	361.841	1	14.843
2/20/2018 9:35	473700	13.108	17.67	29.879	2759.937	3209.263	1.694	2.182	362.327	1	14.84
2/20/2018 9:40	474000	13.092	17.67	29.841	2766.643	3205.419	1.692	2.18	362.76	1	14.832
2/20/2018 9:45	474300	13.087	17.67	29.829	2762.429	3200.52	1.689	2.176	363.155	1	14.83
2/20/2018 9:50	474600	13.088	17.67	29.838	2748.58	3196.039	1.686	2.173	363.824	1	14.835
2/20/2018 9:55	474900	13.088	17.67	29.832	2744.874	3191.729	1.684	2.17	364.315	1	14.833
2/20/2018 10:00	475200	13.092	17.67	29.841	2741.505	3187.83	1.682	2.168	364.761	1	14.832
2/20/2018 10:05	475500	13.091	17.67	29.838	2737.617	3183.254	1.679	2.165	365.181	1	14.831
2/20/2018 10:10	475800	13.092	17.67	29.84	2734.802	3180.048	1.678	2.162	365.657	1	14.831
2/20/2018 10:15	476100	13.09	17.67	29.836	2731.506	3176.172	1.675	2.16	366.098	1	14.83
2/20/2018 10:20	476400	13.091	17.67	29.837	2727.617	3171.48	1.673	2.157	366.618	1	14.83
2/20/2018 10:25	476700	13.091	17.67	29.838	2724.411	3167.959	1.671	2.154	367.052	1	14.831
2/20/2018 10:30	477000	13.088	17.67	29.831	2720.812	3163.768	1.668	2.151	367.537	1	14.831
2/20/2018 10:35	477300	13.088	17.67	29.832	2717.28	3159.548	1.666	2.149	368.015	1	14.831
2/20/2018 10:40	477600	13.086	17.67	29.828	2714.464	3156.374	1.664	2.146	368.397	1	14.832
2/20/2018 10:45	477900	13.085	17.67	29.825	2711.777	3153.226	1.663	2.144	368.762	1	14.832
2/20/2018 10:50	478200	13.083	17.67	29.821	2708.508	3149.436	1.66	2.142	369.207	1	14.834
2/20/2018 10:55	478500	13.08	17.67	29.813	2704.681	3144.974	1.658	2.139	369.729	1	14.835
2/20/2018 11:00	478800	13.078	17.67	29.809	2702.793	3142.797	1.657	2.137	369.988	1	14.836
2/20/2018 11:05	479100	13.082	17.67	29.819	2699.564	3139.018	1.655	2.135	370.43	1	14.833
2/20/2018 11:10	479400	13.083	17.67	29.821	2697.488	3136.634	1.653	2.133	370.715	1	14.83
2/20/2018 11:15	479700	13.085	17.67	29.826	2694.038	3132.622	1.651	2.13	371.19	1	14.847
2/20/2018 11:20	480000	13.086	17.67	29.828	2690.836	3128.84	1.649	2.128	371.635	1	14.847
2/20/2018 11:25	480300	13.086	17.67	29.828	2688.113	3125.721	1.647	2.125	372.008	1	14.847
2/20/2018 11:30	480600	13.086	17.67	29.827	2685.21	3122.352	1.645	2.123	372.41	1	14.847
2/20/2018 11:35	480900	13.085	17.67	29.825	2682.987	3119.772	1.644	2.121	372.719	1	14.847
2/20/2018 11:40	481200	13.083	17.67	29.819	2680.807	3117.33	1.643	2.119	373.009	1	14.847
2/20/2018 11:45	481500	13.082	17.67	29.819	2677.981	3113.928	1.641	2.117	373.416	1	14.848
2/20/2018 11:50	481800	13.082	17.67	29.818	2675.837	3111.466	1.639	2.116	373.715	1	14.848
2/20/2018 11:55	482100	13.083	17.67	29.819	2673.169	3108.344	1.638	2.114	374.086	1	14.847
2/20/2018 12:00	482400	13.081	17.67	29.816	2670.422	3105.145	1.636	2.111	374.473	1	14.847
2/20/2018 12:05	482700	13.08	17.67	29.813	2668.411	3102.806	1.635	2.11	374.755	1	14.847
2/20/2018 12:10	483000	13.079	17.67	29.814	2665.34	3099.193	1.632	2.107	375.187	1	14.847
2/20/2018 12:15	483300	13.076	17.67	29.804	2664.19	3097.898	1.632	2.107	375.349	1	14.848
2/20/2018 12:20	483600	13.079	17.67	29.811	2661.098	3094.254	1.63	2.104	375.785	1	14.845
2/20/2018 12:25	483900	13.078	17.67	29.812	2658.906	3091.76	1.629	2.103	376.094	1	14.845
2/20/2018 12:30	484200	13.083	17.67	29.819	2654.691	3086.84	1.626	2.099	376.692	1	14.84
2/20/2018 12:35	484500	13.08	17.67	29.813	2654.783	3086.947	1.626	2.099	376.679	1	14.841
2/20/2018 12:40	484800	13.079	17.67	29.811	2652.11	3084.287	1.624	2.097	377.001	1	14.841
2/20/2018 12:45	485100	13.078	17.67	29.809	2651.317	3082.906	1.623	2.096	377.171	1	14.841
2/20/2018 12:50	485400	13.076	17.67	29.804	2646.86	3077.717	1.621	2.093	377.806	1	14.841
2/20/2018 12:55	485700	13.075	17.67	29.802	2647.706	3078.712	1.621	2.094	377.685	1	14.841
2/20/2018 13:00	486000	13.074	17.67	29.8	2645.039	3075.629	1.619	2.091	378.066	1	14.841
2/20/2018 13:05	486300	13.073	17.67	29.797	2643.885	3074.27	1.619	2.091	378.231	1	14.841
2/20/2018 13:10	486600	13.072	17.67	29.791	2642.261	3072.631	1.618	2.089	378.429	1	14.841
2/20/2018 13:15	486900	13.071	17.67	29.793	2640.407	3070.225	1.616	2.087	378.73	1	14.839
2/20/2018 13:20	487200	13.072	17.67	29.795	2638.526	3068.013	1.615	2.086	379	1	14.837
2/20/2018 13:25	487500	13.074	17.67	29.798	2636.908	3066.186	1.614	2.085	379.232	1	14.835
2/20/2018 13:30	487800	13.076	17.67	29.803	2634.665	3063.137	1.613	2.083	379.555	1	14.832
2/20/2018 13:35	488100	13.075	17.67	29.802	2631.12	3059.427	1.61	2.08	380.066	1	14.832
2/20/2018 13:40	488400	13.074	17.67	29.801	2631.906	3060.351	1.611	2.081	379.951	1	14.832
2/20/2018 13:45	488700	13.073	17.67	29.802	2630.127	3058.29	1.61	2.08	380.29	1	14.832
2/20/2018 13:50	489000	13.073	17.67	29.798	2628.566	3056.468	1.609	2.078	380.436	1	14.832
2/20/2018 13:55	489300	13.075	17.67	29.802	2626.795	3054.415	1.608	2.077	380.692	1	14.832
2/20/2018 14:00	489600	13.074	17.67	29.795	2625.798	3053.129	1.607	2.076	380.837	1	14.831
2/20/2018 14:05	489900	13.076	17.67	29.803	2624.276	3051.48	1.606	2.075	381.057	1	14.831
2/20/2018 14:10	490200	13.076	17.67	29.803	2623.42	3050.474	1.605	2.074	381.182	1	14.829
2/20/2018 14:15	490500	13.077	17.67	29.807	2621.607	3048.365	1.603	2.073	381.445	1	14.827
2/20/2018 14:20	490800	13.077	17.67	29.807	2620.512	3047.086	1.604	2.072	381.605	1	14.829
2/20/2018 14:25	491100	13.075	17.67	29.802	2618.232	3045.608	1.603	2.071	381.791	1	14.831
2/20/2018 14:30	491400	13.074	17.67	29.799	2616.533	3044.559	1.601	2.069	382.185	1	14.832
2/20/2018 14:35	491700	13.073	17.67	29.796	2616.533	3042.47	1.601	2.069	382.185	1	14.833
2/20/2018 14:40	492000	13.071	17.67	29.794	2615.449	3041.199	1.6	2.068	382.344	1	14.833
2/20/2018 14:45	492300	13.072	17.67	29.792	2614.204	3039.762	1.599	2.067	382.526	1	14.833
2/20/2018 14:50	492600	13.07	17.67	29.79	2613.587	3039.015	1.599	2.067	382.616	1	14.833
2/20/2018 14:55	492900	13.071	17.67	29.793	2612.506	3037.776	1.598	2.066	382.774	1	14.832
2/20/2018 15:00	493200	13.072	17.67	29.795	2610.423	3035.283	1.597	2.064	383.08	1	14.832
2/20/2018 15:05	493500	13.072	17.67	29.794	2609.106	3033.84	1.596	2.063	383.273	1	14.83
2/20/2018 15:10	493800	13.074	17.67	29.799	2608.529	3033.152	1.596	2.063	383.358	1	14.829
2/20/2018 15:15	494100	13.075	17.67	29.801	2607.446	3031.964	1.595	2.062	383.517	1	14.833
2/20/2018 15:20	494400	13.072	17.67	29.795	2605.784	3029.884	1.594	2.06	383.762	1	14.829
2/20/2018 15:25	494700	13.071	17.67	29.793	2604.458	3028.425	1.593	2.059	383.957	1	14.831
2/20/2018 15:30	495000	13.067	17.67	29.788	2603.081	3026.817	1.592	2.058	384.16	1	14.833
2/20/2018 15:35	495300	13.068	17.67	29.786	2601.896	3025.428	1.591	2.057	384.335	1	14.833
2/20/2018 15:40	495600	13.066	17.67	29.783	2601.657	3025.144	1.591	2.057	384.37	1	14.833
2/20/2018 15:45	495900	13.067	17.67	29.782	2600.46	3023.781	1.591	2.056	384.547	1	14.833
2/20/2018 15:50	496200	13.065	17.67	29.785	2599.854	3022.864	1.589	2.055	384.785	1	14.832
2/20/2018 15:55	496500	13.063	17.67	29.786	2598.116	3021.026	1.589	2.054	384.894	1	14.834
2/20/2018 16:00	496800	13.064	17.67	29.776	2596.655	3019.356	1.588	2.053	385.111	1	14.835
2/20/2018 16:05	497100	13.062	17.67	29.778	2595.778	3018.12	1.588	2.052	385.241	1	14.835

2/20/2018 22:50	521400	13.045	17.671	29.733	2562.753	2979.918	1.566	2.026	390.205	1	14.839
2/20/2018 22:55	521700	13.045	17.671	29.734	2562.265	2979.939	1.566	2.026	390.264	1	14.838
2/20/2018 23:00	522000	13.045	17.671	29.734	2562.127	2979.175	1.566	2.026	390.301	1	14.837
2/20/2018 23:05	522300	13.044	17.671	29.731	2562.027	2979.046	1.566	2.026	390.316	1	14.839
2/20/2018 23:10	522600	13.044	17.671	29.725	2561.789	2978.763	1.566	2.026	390.352	1	14.841
2/20/2018 23:15	522900	13.039	17.671	29.716	2562.762	2979.668	1.566	2.026	390.234	1	14.842
2/20/2018 23:20	523200	13.039	17.671	29.721	2561.652	2978.626	1.565	2.025	390.373	1	14.841
2/20/2018 23:25	523500	13.041	17.67	29.724	2561.355	2978.31	1.565	2.025	390.418	1	14.846
2/20/2018 23:30	523800	13.043	17.671	29.729	2561.083	2977.877	1.565	2.025	390.461	1	14.841
2/20/2018 23:35	524100	13.042	17.671	29.738	2561.708	2978.704	1.566	2.026	390.364	1	14.836
2/20/2018 23:40	524400	13.047	17.671	29.738	2562.46	2979.787	1.566	2.026	390.222	1	14.835
2/20/2018 23:45	524700	13.049	17.671	29.742	2562.365	2979.82	1.568	2.028	389.811	1	14.833
2/20/2018 23:50	525000	13.049	17.671	29.742	2571.506	2990.091	1.572	2.033	388.877	1	14.832
2/21/2018 0:00	525300	13.049	17.671	29.743	2579.385	2999.217	1.577	2.039	387.689	1	14.83
2/21/2018 0:05	525600	13.051	17.671	29.746	2577.513	3008.48	1.582	2.046	386.471	1	14.829
2/21/2018 0:10	525900	13.048	17.671	29.74	2595	3017.374	1.587	2.052	385.356	1	14.829
2/21/2018 0:15	526200	13.049	17.671	29.743	2602.266	3025.84	1.592	2.058	384.28	1	14.829
2/21/2018 0:20	526500	13.047	17.671	29.739	2608.54	3033.105	1.596	2.063	383.126	1	14.83
2/21/2018 0:25	526800	13.047	17.672	29.739	2615.434	3041.11	1.6	2.068	382.346	1	14.83
2/21/2018 0:30	527100	13.047	17.671	29.738	2622.085	3048.868	1.605	2.073	381.376	1	14.83
2/21/2018 0:35	527400	13.046	17.671	29.735	2627.851	3055.124	1.608	2.079	380.539	1	14.83
2/21/2018 0:40	527700	13.045	17.672	29.733	2633.748	3062.387	1.612	2.082	379.687	1	14.831
2/21/2018 0:45	528000	13.043	17.672	29.729	2638.176	3067.535	1.615	2.086	379.05	1	14.832
2/21/2018 0:50	528300	13.043	17.672	29.728	2641.562	3071.456	1.617	2.089	378.527	1	14.834
2/21/2018 0:55	528600	13.042	17.672	29.727	2648.52	3079.557	1.622	2.094	377.569	1	14.83
2/21/2018 1:00	528900	13.042	17.672	29.728	2653.723	3085.613	1.625	2.098	376.829	1	14.832
2/21/2018 1:05	529200	13.043	17.672	29.729	2658.614	3091.306	1.628	2.102	376.136	1	14.832
2/21/2018 1:10	529500	13.046	17.672	29.736	2662.724	3096.091	1.631	2.105	375.555	1	14.829
2/21/2018 1:15	529800	13.049	17.672	29.742	2667.094	3101.16	1.634	2.109	374.94	1	14.826
2/21/2018 1:20	530100	13.05	17.672	29.744	2670.944	3105.229	1.636	2.112	374.409	1	14.823
2/21/2018 1:25	530400	13.049	17.672	29.744	2674.078	3109.138	1.638	2.114	373.963	1	14.822
2/21/2018 1:30	530700	13.049	17.672	29.744	2677.573	3113.314	1.64	2.117	373.473	1	14.822
2/21/2018 1:35	531000	13.048	17.672	29.741	2681.733	3118.17	1.643	2.122	372.893	1	14.821
2/21/2018 1:40	531300	13.05	17.672	29.742	2684.122	3120.654	1.645	2.122	372.561	1	14.82
2/21/2018 1:45	531600	13.051	17.672	29.747	2687.643	3125.042	1.647	2.125	372.073	1	14.819
2/21/2018 1:50	531900	13.051	17.672	29.748	2688.7	3126.265	1.648	2.126	371.527	1	14.818
2/21/2018 1:55	532200	13.049	17.672	29.742	2694.11	3132.78	1.651	2.13	371.151	1	14.82
2/21/2018 2:00	532500	13.046	17.672	29.736	2697.373	3136.342	1.653	2.133	370.731	1	14.823
2/21/2018 2:05	532800	13.044	17.672	29.731	2699.488	3138.844	1.655	2.134	370.441	1	14.826
2/21/2018 2:10	533100	13.044	17.672	29.732	2702.186	3141.95	1.656	2.137	370.065	1	14.83
2/21/2018 2:15	533400	13.048	17.672	29.74	2704.609	3144.743	1.658	2.139	369.739	1	14.821
2/21/2018 2:20	533700	13.049	17.671	29.743	2706.447	3146.943	1.659	2.148	369.488	1	14.818
2/21/2018 2:25	534000	13.049	17.672	29.743	2709.159	3150.659	1.661	2.142	369.118	1	14.819
2/21/2018 2:30	534300	13.05	17.672	29.745	2711.267	3152.492	1.662	2.144	368.831	1	14.818
2/21/2018 2:35	534600	13.05	17.672	29.744	2714.178	3155.876	1.664	2.146	368.436	1	14.818
2/21/2018 2:40	534900	13.048	17.672	29.74	2717.469	3158.541	1.666	2.148	368.036	1	14.819
2/21/2018 2:45	535200	13.048	17.672	29.74	2718.896	3161.362	1.667	2.15	367.796	1	14.82
2/21/2018 2:50	535500	13.047	17.673	29.738	2720.116	3162.756	1.668	2.151	367.631	1	14.821
2/21/2018 2:55	535800	13.05	17.672	29.746	2722.839	3165.96	1.67	2.153	367.254	1	14.819
2/21/2018 3:00	536100	13.051	17.672	29.747	2724.376	3167.727	1.671	2.154	367.057	1	14.817
2/21/2018 3:05	536400	13.052	17.672	29.751	2726.77	3170.523	1.672	2.156	366.734	1	14.815
2/21/2018 3:10	536700	13.052	17.672	29.752	2727.949	3172.949	1.673	2.157	366.57	1	14.818
2/21/2018 3:15	537000	13.054	17.672	29.755	2729.688	3175.272	1.675	2.159	366.187	1	14.81
2/21/2018 3:20	537300	13.055	17.672	29.757	2732.612	3177.298	1.676	2.161	365.95	1	14.807
2/21/2018 3:25	537600	13.052	17.672	29.75	2733.755	3178.652	1.677	2.161	365.797	1	14.811
2/21/2018 3:30	537900	13.049	17.672	29.745	2735.278	3180.397	1.678	2.163	365.584	1	14.812
2/21/2018 3:35	538200	13.044	17.672	29.732	2736.149	3181.423	1.678	2.163	365.477	1	14.82
2/21/2018 3:40	538500	13.046	17.672	29.736	2738.105	3183.71	1.68	2.165	365.216	1	14.819
2/21/2018 3:45	538800	13.048	17.672	29.749	2739.958	3185.858	1.681	2.166	364.965	1	14.818
2/21/2018 3:50	539100	13.052	17.672	29.740	2740.736	3186.756	1.681	2.167	364.866	1	14.811
2/21/2018 3:55	539400	13.053	17.672	29.752	2742.74	3189.079	1.683	2.169	364.599	1	14.809
2/21/2018 4:00	539700	13.056	17.672	29.754	2744.014	3190.604	1.685	2.17	364.427	1	14.807
2/21/2018 4:05	540000	13.058	17.672	29.763	2745.694	3192.527	1.685	2.171	364.209	1	14.805
2/21/2018 4:10	540300	13.057	17.672	29.761	2746.82	3193.818	1.685	2.172	364.057	1	14.806
2/21/2018 4:15	540600	13.057	17.672	29.762	2748.292	3195.499	1.686	2.173	363.862	1	14.807
2/21/2018 4:20	540900	13.056	17.672	29.759	2748.506	3195.81	1.686	2.173	363.834	1	14.808
2/21/2018 4:25	541200	13.055	17.672	29.756	2747.415	3194.541	1.686	2.172	363.979	1	14.809
2/21/2018 4:30	541500	13.054	17.672	29.755	2746.251	3193.175	1.687	2.173	363.121	1	14.81
2/21/2018 4:35	541800	13.054	17.672	29.754	2745.672	3192.489	1.684	2.171	364.21	1	14.811
2/21/2018 4:40	542100	13.054	17.672	29.754	2743.977	3190.568	1.683	2.17	364.435	1	14.811
2/21/2018 4:45	542400	13.054	17.672	29.753	2742.186	3188.448	1.683	2.169	364.671	1	14.812
2/21/2018 4:50	542700	13.054	17.671	29.754	2740.051	3186.022	1.686	2.166	364.957	1	14.812
2/21/2018 4:55	543000	13.052	17.672	29.75	2737.518	3183.045	1.679	2.164	365.294	1	14.815
2/21/2018 5:00	543300	13.049	17.674	29.744	2735.368	3180.37	1.678	2.161	365.595	1	14.817
2/21/2018 5:05	543600	13.048	17.671	29.74	2733.97	3178.958	1.677	2.162	365.768	1	14.82
2/21/2018 5:10	543900	13.048	17.671	29.74	2731.71	3176.342	1.675	2.16	366.071	1	14.821
2/21/2018 5:15	544200	13.045	17.671	29.737	2729.477	3173.714	1.674	2.158	366.371	1	14.822
2/21/2018 5:20	544500	13.045	17.671	29.734	2727.347	3171.262	1.673	2.156	366.657	1	14.823
2/21/2018 5:25	544800	13.046	17.671	29.737	2724.967	3168.482	1.671	2.155	366.977	1	14.822
2/21/2018 5:30	545100	13.047	17.671	29.741	2722.507	3165.622	1.671	2.153	367.291	1	14.821
2/21/2018 5:35	545400	13.051	17.671	29.746	2721.521	3164.506	1.672	2.152	366.442	1	14.82
2/21/2018 5:40	545700	13.05	17.671	29.745	2719.303	3161.897	1.667	2.149	367.741	1	14.82
2/21/2018 5:45	546000	13.05	17.671	29.746	2717.344	3159.656	1.666	2.145	368.006	1	14.821
2/21/2018 5:50	546300	13.05	17.671	29.745	2714.765	3156.651	1.665	2.147	368.356	1	14.82
2/21/2018 5:55	546600	13.049	17.671	29.742	2712.68	3154.238	1.663	2.145	368.639	1	14.821
2/21/2018 6:00	546900	13.047	17.671	29.737	2711.44	3152.779	1.662	2.144	368.808	1	14.821
2/21/2018 6:05	547200	13.047	17.671	29.739	2709.314	3150.318	1.661	2.142	369.096		

2/21/2018 12:45	571500	13.033	17.67	29.706	2585.26	3006.095	1.581	2.044	386.808	1	14.82
2/21/2018 12:50	571800	13.033	17.67	29.707	2585.734	3004.115	1.58	2.043	387.037	1	14.82
2/21/2018 12:55	572100	13.033	17.67	29.705	2582.857	3003.289	1.579	2.042	387.166	1	14.82
2/21/2018 13:00	572400	13.032	17.671	29.704	2582.267	3002.609	1.579	2.042	387.257	1	14.819
2/21/2018 13:05	572700	13.032	17.671	29.711	2581.688	3001.531	1.578	2.041	387.343	1	14.816
2/21/2018 13:10	573000	13.038	17.671	29.708	2580.833	3001.03	1.578	2.041	387.457	1	14.813
2/21/2018 13:15	573300	13.041	17.671	29.725	2579.4	2999.247	1.577	2.039	387.687	1	14.809
2/21/2018 13:20	573600	13.038	17.671	29.718	2578.746	2998.515	1.577	2.039	387.785	1	14.811
2/21/2018 13:25	573900	13.035	17.671	29.711	2578.419	2998.118	1.576	2.039	387.835	1	14.814
2/21/2018 13:30	574200	13.032	17.67	29.703	2576.868	2996.354	1.575	2.038	388.068	1	14.817
2/21/2018 13:35	574500	13.031	17.671	29.702	2576.306	2995.666	1.575	2.037	388.153	1	14.815
2/21/2018 13:40	574800	13.03	17.671	29.703	2575.365	2994.555	1.574	2.036	388.264	1	14.816
2/21/2018 13:45	575100	13.03	17.67	29.698	2574.273	2993.314	1.574	2.035	388.459	1	14.815
2/21/2018 13:50	575400	13.03	17.67	29.699	2573.438	2992.372	1.573	2.035	388.585	1	14.813
2/21/2018 13:55	575700	13.032	17.671	29.703	2572.408	2991.122	1.572	2.034	388.741	1	14.811
2/21/2018 14:00	576000	13.032	17.671	29.705	2572.455	2991.184	1.572	2.034	388.734	1	14.809
2/21/2018 14:05	576300	13.033	17.671	29.705	2571.424	2989.995	1.572	2.033	388.89	1	14.81
2/21/2018 14:10	576600	13.031	17.671	29.702	2570.115	2988.662	1.571	2.032	389.088	1	14.811
2/21/2018 14:15	576900	13.03	17.67	29.699	2569.871	2988.207	1.571	2.032	389.125	1	14.812
2/21/2018 14:20	577200	13.031	17.671	29.702	2568.825	2986.95	1.57	2.031	389.283	1	14.811
2/21/2018 14:25	577500	13.033	17.67	29.705	2568.833	2986.994	1.57	2.031	389.282	1	14.81
2/21/2018 14:30	577800	13.033	17.671	29.707	2568.303	2986.366	1.57	2.031	389.362	1	14.809
2/21/2018 14:35	578100	13.034	17.671	29.707	2567.69	2985.643	1.569	2.03	389.455	1	14.808
2/21/2018 14:40	578400	13.034	17.671	29.708	2566.588	2984.566	1.569	2.029	389.622	1	14.808
2/21/2018 14:45	578700	13.034	17.671	29.709	2565.694	2983.321	1.568	2.029	389.758	1	14.808
2/21/2018 14:50	579000	13.034	17.671	29.708	2565.659	2983.292	1.568	2.029	389.763	1	14.808
2/21/2018 14:55	579300	13.033	17.67	29.707	2564.41	2981.868	1.567	2.028	389.953	1	14.809
2/21/2018 15:00	579600	13.034	17.67	29.708	2564.098	2981.5	1.567	2.027	390.003	1	14.809
2/21/2018 15:05	579900	13.033	17.67	29.707	2563.14	2980.375	1.566	2.027	390.146	1	14.811
2/21/2018 15:10	580200	13.034	17.67	29.702	2562.222	2979.311	1.566	2.026	390.286	1	14.812
2/21/2018 15:15	580500	13.033	17.671	29.706	2561.424	2978.345	1.565	2.025	390.408	1	14.814
2/21/2018 15:20	580800	13.032	17.67	29.705	2560.521	2977.341	1.565	2.025	390.545	1	14.813
2/21/2018 15:25	581100	13.032	17.671	29.705	2559.827	2976.505	1.564	2.024	390.653	1	14.813
2/21/2018 15:30	581400	13.034	17.671	29.704	2558.866	2975.509	1.564	2.023	390.783	1	14.811
2/21/2018 15:35	581700	13.029	17.67	29.698	2557.692	2974.039	1.563	2.022	390.978	1	14.815
2/21/2018 15:40	582000	13.029	17.671	29.696	2556.779	2972.956	1.562	2.022	391.117	1	14.817
2/21/2018 15:45	582300	13.026	17.67	29.695	2555.695	2971.717	1.562	2.021	391.281	1	14.813
2/21/2018 15:50	582600	13.027	17.671	29.693	2555.126	2971.021	1.561	2.02	391.37	1	14.817
2/21/2018 15:55	582900	13.029	17.671	29.697	2553.973	2969.704	1.561	2.019	391.547	1	14.815
2/21/2018 16:00	583200	13.03	17.671	29.695	2553.615	2969.15	1.56	2.019	391.623	1	14.812
2/21/2018 16:05	583500	13.029	17.671	29.696	2552.435	2967.897	1.56	2.018	391.783	1	14.813
2/21/2018 16:10	583800	13.029	17.671	29.698	2551.887	2967.272	1.559	2.018	391.867	1	14.813
2/21/2018 16:15	584100	13.028	17.671	29.69	2551.101	2966.34	1.559	2.017	391.988	1	14.816
2/21/2018 16:20	584400	13.028	17.671	29.694	2550.873	2966.105	1.559	2.017	392.023	1	14.814
2/21/2018 16:25	584700	13.025	17.67	29.687	2549.875	2964.95	1.558	2.016	392.176	1	14.815
2/21/2018 16:30	585000	13.023	17.67	29.684	2549.076	2964.021	1.557	2.016	392.309	1	14.816
2/21/2018 16:35	585300	13.024	17.671	29.685	2548.521	2963.37	1.557	2.015	392.384	1	14.813
2/21/2018 16:40	585600	13.027	17.671	29.694	2547.202	2961.831	1.556	2.014	392.588	1	14.811
2/21/2018 16:45	585900	13.029	17.671	29.697	2545.739	2960.095	1.555	2.013	392.816	1	14.808
2/21/2018 16:50	586200	13.028	17.671	29.695	2544.922	2959.185	1.555	2.012	392.939	1	14.809
2/21/2018 16:55	586500	13.026	17.671	29.691	2543.947	2958.028	1.554	2.011	393.09	1	14.809
2/21/2018 17:00	586800	13.026	17.67	29.684	2543.886	2957.993	1.554	2.011	393.099	1	14.811
2/21/2018 17:05	587100	13.026	17.671	29.689	2543.377	2957.383	1.554	2.01	393.178	1	14.809
2/21/2018 17:10	587400	13.026	17.671	29.689	2542.619	2956.495	1.553	2.01	393.295	1	14.809
2/21/2018 17:15	587700	13.026	17.671	29.69	2541.178	2954.832	1.552	2.009	393.518	1	14.809
2/21/2018 17:20	588000	13.026	17.671	29.692	2540.262	2953.761	1.552	2.009	393.66	1	14.808
2/21/2018 17:25	588300	13.029	17.671	29.697	2539.282	2952.622	1.551	2.008	393.812	1	14.807
2/21/2018 17:30	588600	13.03	17.671	29.699	2538.128	2952.448	1.551	2.008	393.836	1	14.81
2/21/2018 17:35	588900	13.029	17.67	29.697	2537.807	2951.023	1.55	2.007	394.027	1	14.802
2/21/2018 17:40	589200	13.031	17.671	29.702	2536.873	2949.826	1.55	2.006	394.186	1	14.806
2/21/2018 17:45	589500	13.031	17.671	29.702	2536.003	2948.808	1.549	2.005	394.321	1	14.805
2/21/2018 17:50	589800	13.029	17.671	29.698	2535.216	2947.882	1.548	2.004	394.444	1	14.808
2/21/2018 17:55	590100	13.029	17.671	29.697	2534.409	2946.961	1.548	2.004	394.569	1	14.81
2/21/2018 18:00	590400	13.028	17.671	29.695	2534.349	2946.88	1.548	2.004	394.579	1	14.812
2/21/2018 18:05	590700	13.033	17.671	29.702	2533.688	2945.668	1.547	2.003	394.716	1	14.812
2/21/2018 18:10	591000	13.03	17.67	29.7	2532.309	2944.52	1.547	2.002	394.896	1	14.812
2/21/2018 18:15	591300	13.03	17.671	29.7	2531.373	2943.408	1.546	2.002	395.043	1	14.812
2/21/2018 18:20	591600	13.029	17.671	29.694	2530.164	2942.019	1.545	2.001	395.231	1	14.812
2/21/2018 18:25	591900	13.029	17.671	29.697	2529.834	2941.625	1.545	2.001	395.283	1	14.813
2/21/2018 18:30	592200	13.027	17.67	29.693	2528.362	2939.936	1.544	1.999	395.513	1	14.814
2/21/2018 18:35	592500	13.026	17.671	29.69	2527.821	2938.744	1.544	1.999	395.598	1	14.816
2/21/2018 18:40	592800	13.025	17.671	29.689	2527.027	2938.371	1.543	1.998	395.722	1	14.817
2/21/2018 18:45	593100	13.022	17.671	29.682	2526.227	2937.441	1.543	1.997	395.847	1	14.819
2/21/2018 18:50	593400	13.022	17.671	29.681	2525.767	2936.817	1.542	1.996	395.979	1	14.818
2/21/2018 18:55	593700	13.024	17.67	29.685	2523.757	2934.592	1.541	1.996	396.235	1	14.818
2/21/2018 19:00	594000	13.024	17.67	29.686	2522.779	2933.454	1.54	1.995	396.388	1	14.817
2/21/2018 19:05	594300	13.023	17.67	29.684	2522.285	2933.138	1.54	1.995	396.376	1	14.817
2/21/2018 19:10	594600	13.022	17.671	29.682	2521.761	2932.242	1.54	1.994	396.548	1	14.82
2/21/2018 19:15	594900	13.021	17.671	29.678	2520.484	2930.769	1.539	1.993	396.749	1	14.821
2/21/2018 19:20	595200	13.023	17.671	29.683	2519.543	2929.659	1.538	1.992	396.897	1	14.82
2/21/2018 19:25	595500	13.022	17.67	29.682	2518.961	2929.005	1.538	1.992	396.989	1	14.819
2/21/2018 19:30	595800	13.023	17.671	29.684	2517.592	2927.39	1.537	1.991	397.205	1	14.818
2/21/2018 19:35	596100	13.023	17.671	29.684	2517.636	2927.429	1.537	1.991	397.201	1	14.818
2/21/2018 19:40	596400	13.02	17.671	29.676	2517.11	2926.927	1.537	1.99	397.265	1	14.821
2/21/2018 19:45	596700	13.02	17.67	29.676	2516.066	2925.637	1.536	1.989	397.447	1	14.822
2/21/2018 19:50	597000	13.02	17.671	29.676	2515.527	2925.47	1.536	1.989	397.468	1	14.822
2/21/2018 19:55	597300	13.021	17.671	29.679							

2/15/2018 730	34200	144.098	21.303	328.444	5293.665	5695.92	3.122	3.873	188.905	1	14.846
2/15/2018 745	34062	144.062	21.301	328.361	5291.62	5693.841	3.121	3.872	188.978	1	14.863
2/15/2018 800	36000	144.105	21.302	328.46	5286.484	5688.794	3.117	3.868	189.122	1	14.849
2/15/2018 815	36900	144.106	21.302	328.462	5284.284	5686	3.118	3.866	189.24	1	14.856
2/15/2018 830	37800	144.119	21.301	328.413	5277.292	5678.439	3.112	3.861	189.491	1	14.854
2/15/2018 845	38700	144.098	21.301	328.445	5276.991	5678.132	3.112	3.860	189.502	1	14.86
2/15/2018 860	39600	144.121	21.3	328.496	5269.134	5669.792	3.107	3.855	189.785	1	14.858
2/15/2018 915	40500	144.082	21.3	328.408	5262.887	5663.11	3.103	3.851	190.01	1	14.859
2/15/2018 930	41400	144.126	21.3	328.509	5257.887	5657.75	3.1	3.847	190.19	1	14.864
2/15/2018 945	42300	144.077	21.3	328.397	5253.839	5653.173	3.098	3.843	190.337	1	14.872
2/15/2018 1000	43200	144.131	21.299	328.501	5250.881	5650.262	3.096	3.842	190.444	1	14.87
2/15/2018 1015	44100	144.144	21.297	328.549	5245.294	5644.567	3.092	3.838	190.647	1	14.861
2/15/2018 1030	45000	144.148	21.296	328.558	5240.953	5640.051	3.09	3.835	190.805	1	14.864
2/15/2018 1045	45900	144.145	21.296	328.551	5237.86	5636.596	3.088	3.833	190.918	1	14.864
2/15/2018 1100	46800	144.145	21.297	328.551	5235.881	5634.581	3.086	3.831	190.99	1	14.866
2/15/2018 1115	47700	144.162	21.295	328.573	5234.573	5631.221	3.086	3.831	191.038	1	14.86
2/15/2018 1130	48600	144.13	21.295	328.558	5232.859	5631.336	3.085	3.829	191.108	1	14.853
2/15/2018 1145	49500	144.127	21.29	328.624	5232.235	5629.13	3.085	3.827	191.249	1	14.855
2/15/2018 1200	50400	144.15	21.288	328.563	5229.903	5628.986	3.083	3.828	191.291	1	14.85
2/15/2018 1215	51300	144.148	21.286	328.559	5230.245	5629.627	3.084	3.828	191.196	1	14.852
2/15/2018 1230	52200	144.152	21.287	328.566	5230.746	5630.065	3.082	3.828	191.177	1	14.853
2/15/2018 1245	53100	144.202	21.285	328.681	5228.092	5627.35	3.082	3.827	191.274	1	14.842
2/15/2018 1300	54000	144.158	21.284	328.58	5228.16	5627.555	3.082	3.827	191.272	1	14.847
2/15/2018 1315	54900	144.156	21.284	328.599	5228.797	5629.273	3.083	3.827	191.249	1	14.839
2/15/2018 1330	55800	144.173	21.287	328.614	5232.612	5632.074	3.085	3.83	191.109	1	14.834
2/15/2018 1345	56700	144.165	21.29	328.597	5233.894	5633.047	3.086	3.83	191.062	1	14.837
2/15/2018 1400	57600	144.204	21.289	328.67	5237.688	5637.23	3.088	3.833	190.924	1	14.836
2/15/2018 1415	58500	144.195	21.289	328.666	5240.822	5640.596	3.09	3.836	190.81	1	14.837
2/15/2018 1430	59400	144.199	21.293	328.674	5241.809	5641.282	3.09	3.836	190.774	1	14.832
2/15/2018 1445	60300	144.146	21.292	328.651	5245.261	5645.553	3.093	3.839	190.517	1	14.834
2/15/2018 1500	61200	144.151	21.295	328.685	5248.738	5648.453	3.095	3.841	190.522	1	14.824
2/15/2018 1515	62100	144.179	21.296	328.628	5250.453	5650.229	3.096	3.842	190.426	1	14.826
2/15/2018 1530	63000	144.126	21.296	328.607	5254.185	5654.214	3.098	3.845	190.344	1	14.832
2/15/2018 1545	63900	144.16	21.301	328.685	5257.812	5657.812	3.1	3.847	190.191	1	14.826
2/15/2018 1600	64800	144.148	21.294	328.557	5259.144	5659.734	3.101	3.849	190.145	1	14.827
2/15/2018 1615	65700	144.117	21.299	328.488	5260.998	5661.159	3.102	3.85	190.078	1	14.822
2/15/2018 1630	66600	144.1	21.3	328.564	5264.788	5665.094	3.104	3.852	189.941	1	14.827
2/15/2018 1645	67500	144.128	21.298	328.512	5266.919	5667.458	3.106	3.854	189.864	1	14.827
2/15/2018 1700	68400	144.112	21.298	328.475	5266.886	5667.585	3.106	3.854	189.866	1	14.834
2/15/2018 1715	69300	144.102	21.294	328.451	5270.274	5671.497	3.108	3.857	189.741	1	14.831
2/15/2018 1730	70200	144.066	21.294	328.37	5270.991	5671.586	3.107	3.857	189.75	1	14.827
2/15/2018 1745	71100	144.087	21.296	328.419	5271.959	5673.29	3.109	3.858	189.683	1	14.836
2/15/2018 1800	72000	144.084	21.3	328.473	5273.473	5673.465	3.109	3.858	189.664	1	14.84
2/15/2018 1815	72900	144.079	21.302	328.4	5272.9	5673.689	3.109	3.858	189.649	1	14.84
2/15/2018 1830	73800	144.075	21.306	328.384	5275.485	5675.909	3.111	3.86	189.556	1	14.839
2/15/2018 1845	74700	144.022	21.307	328.27	5277.676	5678.184	3.112	3.862	189.477	1	14.849
2/15/2018 1900	75600	144.058	21.307	328.362	5278.697	5679.344	3.113	3.862	189.391	1	14.848
2/15/2018 1915	76500	144.055	21.31	328.346	5279.856	5680.244	3.113	3.863	189.399	1	14.847
2/15/2018 1930	77400	144.041	21.304	328.314	5280.619	5681.28	3.114	3.863	189.372	1	14.849
2/15/2018 1945	78300	144.054	21.31	328.345	5281.025	5681.451	3.114	3.863	189.357	1	14.848
2/15/2018 2000	79200	144.035	21.312	328.301	5283.731	5684.054	3.116	3.865	189.26	1	14.85
2/15/2018 2015	80100	144.029	21.312	328.289	5284.079	5684.479	3.116	3.865	189.245	1	14.855
2/15/2018 2030	81000	144.029	21.309	328.287	5282.768	5683.427	3.115	3.865	189.295	1	14.854
2/15/2018 2045	81900	144.029	21.312	328.287	5284.339	5684.78	3.116	3.866	189.238	1	14.859
2/15/2018 2100	82800	144.088	21.308	328.388	5285.044	5685.497	3.117	3.867	189.213	1	14.865
2/15/2018 2115	83700	143.983	21.304	328.185	5285.124	5686.936	3.117	3.867	189.136	1	14.867
2/15/2018 2130	84600	143.99	21.298	328.197	5286.275	5688.46	3.118	3.868	189.169	1	14.865
2/15/2018 2145	85500	144.024	21.297	328.274	5286.356	5688.651	3.118	3.868	189.162	1	14.869
2/15/2018 2200	86400	144.008	21.311	328.207	5291.097	5693.122	3.12	3.87	189.097	1	14.869
2/15/2018 2215	87300	144.013	21.303	328.251	5292.022	5694.05	3.121	3.872	189.064	1	14.872
2/15/2018 2230	88200	144.049	21.307	328.312	5294.501	5696.318	3.123	3.873	188.975	1	14.87
2/15/2018 2245	89100	143.969	21.301	328.151	5295.434	5698.628	3.124	3.875	188.842	1	14.872
2/15/2018 2300	90000	144	21.302	328.122	5301.024	5703.118	3.127	3.879	188.643	1	14.872
2/15/2018 2315	90900	143.997	21.304	328.213	5304.491	5707.445	3.129	3.881	188.52	1	14.87
2/15/2018 2330	91800	143.999	21.301	328.218	5304.007	5707.253	3.129	3.881	188.577	1	14.877
2/15/2018 2345	92700	143.999	21.299	328.219	5303.469	5706.941	3.129	3.881	188.556	1	14.877
2/16/2018 000	93600	144.001	21.296	328.223	5304.979	5708.875	3.13	3.882	188.502	1	14.874
2/16/2018 0015	94500	143.992	21.297	328.206	5306.686	5710.201	3.131	3.884	188.421	1	14.879
2/16/2018 030	95400	143.988	21.304	328.193	5308.79	5711.968	3.132	3.884	188.367	1	14.871
2/16/2018 045	96300	143.98	21.305	328.174	5308.822	5711.973	3.132	3.884	188.366	1	14.873
2/16/2018 100	97200	143.984	21.307	328.183	5311.078	5714.276	3.133	3.886	188.286	1	14.873
2/16/2018 115	98100	143.982	21.301	328.179	5312.17	5715.964	3.134	3.887	188.247	1	14.864
2/16/2018 130	99000	143.947	21.304	328.099	5311.286	5714.736	3.133	3.886	188.278	1	14.868
2/16/2018 145	99900	143.943	21.311	328.09	5316.272	5719.205	3.136	3.889	188.102	1	14.862
2/16/2018 200	100800	143.934	21.312	328.069	5318.724	5721.812	3.138	3.891	188.015	1	14.87
2/16/2018 215	101700	143.968	21.313	328.148	5318.792	5721.709	3.138	3.891	188.013	1	14.865
2/16/2018 230	102600	143.966	21.315	328.144	5318.194	5720.81	3.137	3.89	188.034	1	14.858
2/16/2018 245	103500	143.963	21.312	328.135	5319.209	5722.143	3.138	3.891	187.998	1	14.859
2/16/2018 300	104400	143.968	21.316	328.147	5318.588	5721.192	3.137	3.89	188.02	1	14.859
2/16/2018 315	105300	143.965	21.315	328.141	5319.288	5721.566	3.138	3.891	187.995	1	14.853
2/16/2018 330	106200	143.963	21.316	328.136	5319.89	5722.027	3.138	3.892	187.972	1	14.856
2/16/2018 345	107100	143.956	21.314	328.119	5320.62	5723.532	3.139	3.892	187.948	1	14.848
2/16/2018 400	108000	143.955	21.314	328.118	5322.305	5725.345	3.14	3.893	187.899	1	14.841
2/16/2018 415	108900	143.957	21.313	328.116	5323.76	5727.468	3.138	3.892	187.86	1	14.847
2/16/2018 430	109800	143.938	21.317	328.079	5321.737	5724.404	3.139	3.893	187.909	1	14.844
2/16/2018 445	110700	143.934	21.319	328.07	5322.69	5724.126	3.139	3.892	187.91	1	14.846
2/16/2018 500	111600	143.928	21.322	328.056	5322.339	5724.727					

2/17/2018 1:15	184500	143.722	21.318	327.586	5255.005	5652.521	3.097	3.844	190.295	1	14.816
2/17/2018 1:30	184500	143.728	21.318	327.586	5256.015	5653.699	3.098	3.844	190.298	1	14.817
2/17/2018 1:45	184600	143.708	21.322	327.554	5255.857	5653.999	3.097	3.844	190.265	1	14.813
2/17/2018 2:00	187200	143.704	21.32	327.547	5256.654	5654.061	3.098	3.845	190.235	1	14.817
2/17/2018 2:15	188100	143.656	21.32	327.437	5256.507	5653.944	3.098	3.845	190.24	1	14.819
2/17/2018 2:30	188000	143.698	21.326	327.531	5257.138	5653.998	3.095	3.845	190.218	1	14.813
2/17/2018 2:45	188900	143.69	21.325	327.514	5257.833	5654.798	3.098	3.845	190.192	1	14.814
2/17/2018 3:00	190800	143.686	21.315	327.505	5255.274	5653.217	3.097	3.844	190.285	1	14.811
2/17/2018 3:15	191700	143.681	21.298	327.493	5247.904	5646.586	3.094	3.84	190.574	1	14.816
2/17/2018 3:30	192600	143.681	21.298	327.493	5242.164	5641.045	3.09	3.836	190.761	1	14.811
2/17/2018 3:45	193500	143.687	21.298	327.461	5239.807	5638.467	3.089	3.834	190.847	1	14.815
2/17/2018 4:00	194400	143.636	21.296	327.452	5238.26	5634.507	3.087	3.83	190.976	1	14.81
2/17/2018 4:15	195300	143.665	21.301	327.457	5236.392	5634.488	3.087	3.831	190.971	1	14.801
2/17/2018 4:30	196200	143.616	21.303	327.344	5234.661	5632.393	3.085	3.83	191.034	1	14.804
2/17/2018 4:45	197100	143.652	21.305	327.458	5233.342	5630.78	3.082	3.829	191.082	1	14.8
2/17/2018 5:00	198000	143.645	21.293	327.41	5232.242	5630.885	3.084	3.829	191.123	1	14.798
2/17/2018 5:15	198900	143.655	21.293	327.434	5228.786	5627.186	3.082	3.826	191.249	1	14.792
2/17/2018 5:30	199800	143.595	21.294	327.298	5226.381	5624.301	3.081	3.825	191.344	1	14.798
2/17/2018 5:45	200700	143.643	21.295	327.406	5224.111	5621.933	3.079	3.823	191.42	1	14.796
2/17/2018 6:00	201600	143.588	21.297	327.281	5225.382	5623.086	3.08	3.824	191.374	1	14.8
2/17/2018 6:15	202500	143.582	21.299	327.268	5223.032	5620.392	3.078	3.822	191.46	1	14.796
2/17/2018 6:30	203400	143.618	21.301	327.35	5223.76	5620.854	3.079	3.824	191.433	1	14.79
2/17/2018 6:45	204300	143.596	21.303	327.301	5223.552	5620.439	3.078	3.822	191.441	1	14.804
2/17/2018 7:00	205200	143.587	21.305	327.278	5223.357	5620.007	3.078	3.822	191.448	1	14.801
2/17/2018 7:15	206100	143.577	21.305	327.257	5221.864	5618.34	3.077	3.82	191.502	1	14.803
2/17/2018 7:30	207000	143.574	21.301	327.248	5223.861	5621.014	3.079	3.822	191.429	1	14.8
2/17/2018 7:45	207900	143.521	21.3	327.128	5220.422	5617.406	3.077	3.82	191.555	1	14.805
2/17/2018 8:00	208800	143.514	21.299	327.114	5217.601	5614.521	3.075	3.818	191.659	1	14.81
2/17/2018 8:15	209700	143.551	21.298	327.137	5214.837	5611.428	3.073	3.816	191.761	1	14.808
2/17/2018 8:30	210600	143.516	21.297	327.126	5208.496	5604.96	3.069	3.811	191.994	1	14.807
2/17/2018 8:45	211500	143.532	21.296	327.153	5199.792	5595.68	3.065	3.813	192.135	1	14.816
2/17/2018 9:00	212400	143.53	21.296	327.149	5192.243	5587.567	3.059	3.8	192.595	1	14.81
2/17/2018 9:15	213300	143.526	21.295	327.14	5182.538	5577.262	3.053	3.793	192.956	1	14.81
2/17/2018 9:30	214200	143.478	21.297	327.038	5174.637	5568.74	3.048	3.788	193.25	1	14.816
2/17/2018 9:45	215100	143.515	21.294	327.115	5169.51	5563.292	3.045	3.783	193.442	1	14.807
2/17/2018 10:00	216000	143.472	21.294	327.017	5161.065	5554.174	3.04	3.777	193.738	1	14.811
2/17/2018 10:15	216900	143.563	21.296	327.089	5155.859	5545.79	3.036	3.772	194.035	1	14.813
2/17/2018 10:30	217800	143.503	21.294	327.089	5151.781	5544.243	3.034	3.77	194.108	1	14.806
2/17/2018 10:45	218700	143.465	21.294	327.002	5147.139	5539.216	3.03	3.763	194.283	1	14.807
2/17/2018 11:00	219600	143.467	21.296	327.074	5144.257	5535.923	3.029	3.76	194.393	1	14.811
2/17/2018 11:15	220500	143.508	21.295	327.099	5141.608	5533.176	3.027	3.763	194.492	1	14.805
2/17/2018 11:30	221400	143.521	21.293	327.129	5137.335	5528.747	3.025	3.76	194.603	1	14.806
2/17/2018 11:45	222300	143.495	21.293	327.137	5133.147	5524.028	3.023	3.758	194.812	1	14.802
2/17/2018 12:00	223200	143.524	21.295	327.155	5131.722	5522.508	3.021	3.755	194.866	1	14.797
2/17/2018 12:15	224100	143.537	21.293	327.165	5129.467	5520.29	3.02	3.754	194.952	1	14.793
2/17/2018 12:30	225000	143.525	21.296	327.139	5125.698	5516.173	3.017	3.75	195.095	1	14.793
2/17/2018 12:45	225900	143.546	21.295	327.185	5122.242	5513.372	3.016	3.749	195.189	1	14.78
2/17/2018 13:00	226800	143.54	21.297	327.171	5123.326	5513.252	3.016	3.749	195.186	1	14.798
2/17/2018 13:15	227700	143.507	21.297	327.185	5118.855	5509.186	3.013	3.745	195.356	1	14.795
2/17/2018 13:30	228600	143.552	21.289	327.158	5116.884	5507.274	3.012	3.745	195.481	1	14.798
2/17/2018 13:45	229500	143.525	21.288	327.137	5114.973	5504.659	3.011	3.743	195.527	1	14.766
2/17/2018 14:00	230400	143.522	21.286	327.128	5112.54	5502.855	3.01	3.742	195.597	1	14.775
2/17/2018 14:15	231300	143.52	21.285	327.127	5111.591	5501.963	3.009	3.741	195.634	1	14.773
2/17/2018 14:30	232200	143.567	21.282	327.233	5111.845	5502.553	3.009	3.742	195.624	1	14.767
2/17/2018 14:45	233100	143.573	21.284	327.248	5110.785	5501.184	3.009	3.741	195.789	1	14.769
2/17/2018 15:00	234000	143.537	21.282	327.166	5112.371	5501.873	3.009	3.741	195.612	1	14.77
2/17/2018 15:15	234900	143.576	21.288	327.255	5112.578	5502.688	3.01	3.742	195.596	1	14.768
2/17/2018 15:30	235800	143.534	21.291	327.158	5112.801	5502.45	3.005	3.742	195.588	1	14.767
2/17/2018 15:45	236700	143.571	21.293	327.242	5115.311	5505.304	3.011	3.745	195.491	1	14.767
2/17/2018 16:00	237600	143.542	21.288	327.176	5116.042	5506.485	3.012	3.746	195.464	1	14.764
2/17/2018 16:15	238500	143.575	21.286	327.251	5118.517	5509.357	3.013	3.746	195.309	1	14.769
2/17/2018 16:30	239400	143.576	21.287	327.255	5117.602	5508.602	3.013	3.746	195.404	1	14.77
2/17/2018 16:45	240300	143.542	21.288	327.177	5120.167	5510.925	3.01	3.746	195.306	1	14.76
2/17/2018 17:00	241200	143.527	21.29	327.142	5125.008	5515.878	3.013	3.751	195.122	1	14.771
2/17/2018 17:15	242100	143.563	21.292	327.187	5127.225	5517.887	3.019	3.752	195.012	1	14.76
2/17/2018 17:30	243000	143.521	21.299	327.129	5130.924	5521.221	3.02	3.754	194.897	1	14.763
2/17/2018 17:45	243900	143.528	21.298	327.145	5132.028	5522.529	3.021	3.755	194.85	1	14.764
2/17/2018 18:00	244800	143.567	21.292	327.162	5134.486	5525.923	3.023	3.755	194.761	1	14.759
2/17/2018 18:15	245700	143.507	21.297	327.096	5139.167	5530.28	3.026	3.761	194.584	1	14.764
2/17/2018 18:30	246600	143.546	21.3	327.185	5140.449	5531.301	3.026	3.761	194.536	1	14.765
2/17/2018 18:45	247500	143.545	21.29	327.184	5142.426	5534.266	3.028	3.764	194.461	1	14.759
2/17/2018 19:00	248400	143.54	21.293	327.171	5144.804	5536.885	3.026	3.765	194.371	1	14.757
2/17/2018 19:15	249300	143.497	21.295	327.075	5146.082	5537.951	3.03	3.766	194.323	1	14.757
2/17/2018 19:30	250200	143.526	21.297	327.14	5147.51	5540.396	3.031	3.767	194.259	1	14.759
2/17/2018 19:45	251100	143.518	21.293	327.123	5148.151	5540.397	3.032	3.767	194.244	1	14.76
2/17/2018 20:00	252000	143.529	21.295	327.147	5150.833	5543.093	3.033	3.769	194.143	1	14.755
2/17/2018 20:15	252900	143.517	21.293	327.122	5150.834	5543.284	3.033	3.769	194.143	1	14.754
2/17/2018 20:30	253800	143.479	21.292	327.038	5152.927	5545.085	3.035	3.771	194.064	1	14.752
2/17/2018 20:45	254700	143.507	21.296	327.096	5153.561	5545.94	3.035	3.771	194.041	1	14.748
2/17/2018 21:00	255600	143.466	21.299	327.069	5154.83	5548.976	3.035	3.772	194.069	1	14.752
2/17/2018 21:15	256500	143.53	21.302	327.175	5158.387	5550.462	3.037	3.774	193.859	1	14.751
2/17/2018 21:30	257400	143.457	21.299	326.984	5160.14	5552.708	3.039	3.776	193.793	1	14.75
2/17/2018 21:45	258300	143.446	21.299	326.959	5160.331	5552.842	3.039	3.776	193.787	1	14.751
2/17/2018 22:00	259200	143.475	21.302	327.023	5162.896	5554.023	3.04	3.778	193.69	1	14.748
2/17/2018 22:15	260100	143.478	21.303	327.03	5163.943	5556.271	3.041	3.778	193.65	1	14.746
2/17/2018 22:30	261000	143.459	21.303	326.9							

2/18/2018 19:00	334800	143.545	21.299	327.183	5178.088	5572.002	3.05	3.789	193.121	1	14.725
2/18/2018 19:15	335700	143.511	21.294	327.109	5179.888	5574.431	3.051	3.791	193.054	1	14.725
2/18/2018 19:30	336600	143.557	21.296	327.224	5181.724	5576.949	3.054	3.793	192.911	1	14.727
2/18/2018 19:45	337500	143.563	21.297	327.211	5185.943	5580.616	3.055	3.795	192.829	1	14.727
2/18/2018 20:00	338400	143.572	21.301	327.245	5188.696	5583.245	3.057	3.797	192.724	1	14.724
2/18/2018 20:15	339300	143.564	21.301	327.227	5188.66	5584.183	3.057	3.791	192.691	1	14.731
2/18/2018 20:30	340200	143.595	21.302	327.298	5193.567	5588.276	3.06	3.8	192.546	1	14.722
2/18/2018 20:45	341100	143.588	21.297	327.281	5197.136	5592.956	3.062	3.803	192.406	1	14.73
2/18/2018 21:00	342000	143.628	21.295	327.261	5200.954	5596.955	3.071	3.804	192.295	1	14.731
2/18/2018 21:15	342900	143.602	21.297	327.313	5204.987	5601.139	3.067	3.809	192.123	1	14.729
2/18/2018 21:30	343800	143.621	21.297	327.357	5204.935	5601.112	3.067	3.809	192.125	1	14.73
2/18/2018 21:45	344700	143.728	21.297	327.261	5210.198	5606.787	3.07	3.813	191.911	1	14.733
2/18/2018 22:00	345600	143.625	21.295	327.365	5211.913	5608.834	3.072	3.814	191.868	1	14.734
2/18/2018 22:15	346500	143.585	21.301	327.275	5219.331	5616.119	3.076	3.819	191.597	1	14.736
2/18/2018 22:30	347400	143.638	21.304	327.395	5220.084	5616.576	3.077	3.819	191.568	1	14.736
2/18/2018 22:45	348300	143.65	21.304	327.423	5222.296	5618.956	3.077	3.821	191.495	1	14.732
2/18/2018 23:00	349200	143.638	21.304	327.44	5222.909	5619.575	3.078	3.821	191.464	1	14.73
2/18/2018 23:15	350100	143.624	21.297	327.478	5226.657	5623.81	3.08	3.824	191.327	1	14.736
2/18/2018 23:30	351000	143.638	21.299	327.394	5230.919	5628.761	3.083	3.828	191.171	1	14.734
2/18/2018 23:45	351900	143.685	21.299	327.503	5233.212	5631.31	3.085	3.829	191.087	1	14.729
2/19/2018 0:00	352800	143.691	21.301	327.515	5234.751	5632.712	3.085	3.82	191.029	1	14.738
2/19/2018 0:15	353700	143.698	21.306	327.532	5238.607	5636.303	3.088	3.823	190.89	1	14.732
2/19/2018 0:30	354600	143.721	21.295	327.585	5246.916	5646.473	3.094	3.84	190.588	1	14.728
2/19/2018 0:45	355500	143.719	21.297	327.58	5246.117	5645.419	3.093	3.839	190.617	1	14.736
2/19/2018 1:00	356400	143.721	21.301	327.583	5249.378	5648.471	3.095	3.841	190.499	1	14.735
2/19/2018 1:15	357300	143.737	21.3	327.621	5254.417	5653.956	3.098	3.845	190.316	1	14.734
2/19/2018 1:30	358200	143.739	21.304	327.626	5255.27	5654.04	3.098	3.845	190.23	1	14.733
2/19/2018 1:45	359100	143.751	21.301	327.653	5257.203	5656.839	3.1	3.847	190.215	1	14.739
2/19/2018 2:00	360000	143.768	21.299	327.692	5260.76	5660.953	3.102	3.849	190.087	1	14.732
2/19/2018 2:15	360900	143.784	21.294	327.747	5270.479	5672.624	3.108	3.857	189.796	1	14.738
2/19/2018 2:30	361800	143.757	21.301	327.666	5275.31	5677.43	3.112	3.861	189.526	1	14.733
2/19/2018 2:45	362700	143.792	21.3	327.747	5275.708	5676.845	3.117	3.865	189.586	1	14.733
2/19/2018 3:00	363600	143.812	21.299	327.791	5277.559	5673.669	3.109	3.858	189.541	1	14.726
2/19/2018 3:15	364500	143.825	21.3	327.822	5278.434	5674.859	3.113	3.862	189.45	1	14.722
2/19/2018 3:30	365400	143.827	21.297	327.827	5281.024	5682.934	3.115	3.864	189.357	1	14.725
2/19/2018 3:45	366300	143.834	21.301	327.842	5284.088	5685.768	3.116	3.866	189.248	1	14.726
2/19/2018 4:00	367200	143.844	21.299	327.865	5284.956	5686.956	3.117	3.868	189.246	1	14.728
2/19/2018 4:15	368100	143.866	21.297	327.916	5290.679	5693.302	3.121	3.871	189.012	1	14.724
2/19/2018 4:30	369000	143.86	21.304	327.9	5290.477	5692.293	3.122	3.871	188.927	1	14.727
2/19/2018 4:45	369900	143.879	21.302	327.946	5291.7	5693.293	3.121	3.873	188.975	1	14.723
2/19/2018 5:00	370800	143.886	21.3	327.952	5293.457	5695.983	3.122	3.873	188.912	1	14.719
2/19/2018 5:15	371700	143.891	21.306	327.961	5297.732	5699.927	3.125	3.876	188.76	1	14.722
2/19/2018 5:30	372600	143.903	21.303	327.999	5300.86	5703.649	3.127	3.879	188.669	1	14.73
2/19/2018 5:45	373500	143.917	21.302	328.032	5307.95	5711.372	3.131	3.884	188.397	1	14.723
2/19/2018 6:00	374400	143.925	21.301	328.05	5307.728	5711.227	3.131	3.884	188.405	1	14.725
2/19/2018 6:15	375300	143.938	21.303	328.056	5310.722	5713.905	3.132	3.887	188.369	1	14.73
2/19/2018 6:30	376200	143.889	21.307	328.366	5313.641	5716.869	3.135	3.887	188.195	1	14.726
2/19/2018 6:45	377100	143.903	21.301	328.328	5316.028	5720.136	3.137	3.89	188.11	1	14.724
2/19/2018 7:00	378000	143.953	21.301	328.114	5317.854	5722.184	3.138	3.892	188.046	1	14.722
2/19/2018 7:15	378900	143.959	21.303	328.126	5322.325	5726.728	3.14	3.894	187.888	1	14.723
2/19/2018 7:30	379800	143.975	21.3	328.164	5324.64	5729.594	3.142	3.896	187.806	1	14.726
2/19/2018 7:45	380700	143.98	21.307	328.178	5324.718	5728.777	3.142	3.896	187.803	1	14.722
2/19/2018 8:00	381600	143.993	21.303	328.206	5325.406	5730.021	3.142	3.896	187.779	1	14.731
2/19/2018 8:15	382500	143.995	21.303	328.21	5327.602	5732.322	3.144	3.898	187.702	1	14.737
2/19/2018 8:30	383400	144.008	21.303	328.214	5331.478	5731.478	3.146	3.901	187.565	1	14.743
2/19/2018 8:45	384300	144.002	21.302	328.225	5332.763	5732.763	3.147	3.902	187.521	1	14.742
2/19/2018 9:00	385200	144.008	21.308	328.239	5333.861	5738.499	3.147	3.902	187.481	1	14.74
2/19/2018 9:15	386100	144.022	21.305	328.27	5336.828	5742.064	3.149	3.905	187.377	1	14.743
2/19/2018 9:30	387000	144.015	21.307	328.255	5339.075	5743.861	3.151	3.907	187.296	1	14.747
2/19/2018 9:45	387900	144.025	21.302	328.278	5343.196	5749.118	3.154	3.91	187.154	1	14.754
2/19/2018 10:00	388800	144.036	21.301	328.285	5345.795	5752.229	3.155	3.912	187.061	1	14.755
2/19/2018 10:15	389700	144.048	21.303	328.284	5344.606	5750.433	3.154	3.914	187.015	1	14.752
2/19/2018 10:30	390600	144.015	21.301	328.255	5353.395	5760.375	3.154	3.912	186.797	1	14.754
2/19/2018 10:45	391500	144.057	21.306	328.351	5353.538	5759.938	3.16	3.917	186.792	1	14.749
2/19/2018 11:00	392400	144.021	21.303	328.292	5354.988	5762.153	3.161	3.919	186.749	1	14.749
2/19/2018 11:15	393300	144.079	21.302	328.401	5355.105	5762.051	3.161	3.918	186.738	1	14.748
2/19/2018 11:30	394200	144.074	21.301	328.389	5360.14	5767.675	3.164	3.922	186.562	1	14.753
2/19/2018 11:45	395100	144.081	21.302	328.406	5362.459	5769.605	3.166	3.925	186.425	1	14.755
2/19/2018 12:00	396000	144.097	21.3	328.442	5364.759	5772.677	3.167	3.925	186.402	1	14.752
2/19/2018 12:15	396900	144.103	21.302	328.455	5365.9	5773.738	3.168	3.926	186.362	1	14.759
2/19/2018 12:30	397800	144.11	21.3	328.471	5367.175	5775.267	3.169	3.927	186.318	1	14.764
2/19/2018 12:45	398700	144.116	21.299	328.484	5369.377	5777.76	3.17	3.929	186.241	1	14.74
2/19/2018 13:00	399600	144.117	21.301	328.486	5372.039	5780.384	3.172	3.931	186.149	1	14.747
2/19/2018 13:15	400500	144.079	21.303	328.425	5373.425	5781.397	3.172	3.931	186.101	1	14.746
2/19/2018 13:30	401400	144.133	21.307	328.524	5375.6	5783.571	3.174	3.933	186.026	1	14.745
2/19/2018 13:45	402300	144.149	21.302	328.561	5376.411	5784.985	3.175	3.934	185.998	1	14.734
2/19/2018 14:00	403200	144.141	21.3	328.568	5380.608	5789.825	3.177	3.937	185.798	1	14.738
2/19/2018 14:15	404100	144.118	21.303	328.489	5380.422	5789.429	3.177	3.937	185.859	1	14.737
2/19/2018 14:30	405000	144.159	21.308	328.582	5382.683	5791.002	3.178	3.938	185.781	1	14.735
2/19/2018 14:45	405900	144.165	21.309	328.597	5385.097	5793.496	3.178	3.94	185.694	1	14.74
2/19/2018 15:00	406800	144.163	21.308	328.591	5387.389	5796.484	3.181	3.942	185.635	1	14.744
2/19/2018 15:15	407700	144.182	21.298	328.635	5388.722	5798.764	3.183	3.943	185.573	1	14.734
2/19/2018 15:30	408600	144.178	21.298	328.625	5397.881	5800.31	3.188	3.95	185.265	1	14.742
2/19/2018 15:45	409500	144.146	21.304	328.554	5399.837	5802.858	3.189	3.952	185.151	1	14.742
2/19/2018 16:00	410400	144.196	21.3	328.667	5399.856	5810.422	3.189	3.951	185.159	1	14.739
2/19/2018 16:15	411300	144.194	21.303	328.662	5398.628	5808.543	3.188	3.95	185.239	1	14.743
2/1											

2/20/2018 12:45	485100	144.431	21.306	329.204	5479.95	5895.957	3.24	4.009	182.483	1	14.841
2/20/2018 13:00	486040	144.43	21.308	329.292	5479.458	5894.993	3.24	4.009	182.481	1	14.841
2/20/2018 13:15	486900	144.418	21.312	329.174	5481.227	5896.811	3.24	4.01	182.441	1	14.839
2/20/2018 13:30	487800	144.382	21.311	329.141	5481.814	5897.4	3.24	4.01	182.421	1	14.832
2/20/2018 13:45	488700	144.425	21.31	329.188	5481.355	5897.617	3.24	4.01	182.437	1	14.832
2/20/2018 14:00	489600	144.42	21.313	329.177	5481.572	5896.429	3.24	4.01	182.477	1	14.832
2/20/2018 14:15	490500	144.415	21.31	329.166	5482.864	5898.646	3.241	4.011	182.386	1	14.827
2/20/2018 14:30	491400	144.381	21.308	329.089	5483.013	5899.019	3.241	4.011	182.381	1	14.833
2/20/2018 14:45	492300	144.407	21.308	329.149	5483.193	5899.12	3.242	4.012	182.351	1	14.833
2/20/2018 15:00	493200	144.367	21.305	329.056	5483.814	5900.189	3.242	4.012	182.355	1	14.832
2/20/2018 15:15	494100	144.375	21.305	329.076	5484.362	5900.769	3.242	4.013	182.337	1	14.827
2/20/2018 15:30	495000	144.394	21.311	329.12	5484.91	5900.72	3.242	4.012	182.338	1	14.833
2/20/2018 15:45	495900	144.393	21.313	329.117	5487.06	5902.703	3.244	4.014	182.247	1	14.833
2/20/2018 16:00	496800	144.392	21.309	329.114	5485.02	5900.998	3.243	4.013	182.315	1	14.835
2/20/2018 16:15	497700	144.349	21.309	329.055	5486.293	5902.346	3.243	4.014	182.272	1	14.834
2/20/2018 16:30	498600	144.391	21.314	329.112	5486.433	5901.997	3.243	4.013	182.268	1	14.831
2/20/2018 16:45	499500	144.393	21.314	329.116	5486.354	5901.858	3.243	4.013	182.27	1	14.822
2/20/2018 17:00	500400	144.41	21.312	329.097	5486.741	5901.957	3.243	4.014	182.238	1	14.834
2/20/2018 17:15	501300	144.381	21.312	329.09	5486.379	5902.089	3.243	4.013	182.277	1	14.827
2/20/2018 17:30	502200	144.368	21.318	329.056	5488.345	5903.469	3.244	4.014	182.204	1	14.832
2/20/2018 17:45	503100	144.358	21.31	329.031	5487.583	5902.449	3.243	4.014	182.235	1	14.829
2/20/2018 18:00	504000	144.357	21.318	329.035	5489.152	5904.412	3.245	4.015	182.177	1	14.836
2/20/2018 18:15	504900	144.358	21.318	329.036	5487.29	5902.397	3.243	4.014	182.239	1	14.828
2/20/2018 18:30	505800	144.356	21.32	329.031	5487.583	5902.449	3.243	4.014	182.23	1	14.83
2/20/2018 18:45	506700	144.311	21.32	328.93	5487.684	5902.547	3.243	4.014	182.226	1	14.829
2/20/2018 19:00	507600	144.341	21.323	328.997	5490.03	5904.729	3.245	4.015	182.148	1	14.832
2/20/2018 19:15	508500	144.341	21.322	328.997	5487.637	5902.404	3.243	4.014	182.228	1	14.826
2/20/2018 19:30	509400	144.326	21.326	328.963	5488.375	5902.631	3.243	4.014	182.203	1	14.835
2/20/2018 19:45	510300	144.316	21.325	328.944	5488.491	5902.862	3.244	4.014	182.199	1	14.833
2/20/2018 20:00	511200	144.315	21.325	328.939	5490.185	5904.43	3.245	4.015	182.143	1	14.834
2/20/2018 20:15	512100	144.303	21.322	328.911	5487.711	5902.352	3.243	4.014	182.225	1	14.837
2/20/2018 20:30	513000	144.301	21.321	328.906	5488.212	5903.04	3.244	4.014	182.209	1	14.834
2/20/2018 20:45	513900	144.283	21.323	328.866	5488.098	5902.694	3.244	4.014	182.212	1	14.843
2/20/2018 21:00	514800	144.279	21.324	328.857	5489.178	5903.857	3.244	4.015	182.177	1	14.843
2/20/2018 21:15	515700	144.259	21.322	328.811	5488.333	5903.01	3.244	4.014	182.205	1	14.846
2/20/2018 21:30	516600	144.269	21.323	328.833	5488.603	5903.152	3.244	4.014	182.196	1	14.833
2/20/2018 21:45	517500	144.238	21.32	328.764	5487.75	5902.763	3.243	4.013	182.224	1	14.84
2/20/2018 22:00	518400	144.238	21.325	328.764	5487.481	5901.732	3.243	4.013	182.233	1	14.838
2/20/2018 22:15	519300	144.233	21.324	328.752	5487.251	5901.591	3.243	4.013	182.241	1	14.835
2/20/2018 22:30	520200	144.223	21.323	328.729	5488.185	5902.525	3.243	4.013	182.21	1	14.836
2/20/2018 22:45	521100	144.212	21.324	328.703	5486.638	5900.921	3.242	4.013	182.261	1	14.84
2/20/2018 23:00	522000	144.212	21.313	328.704	5481.525	5896.792	3.24	4.01	182.431	1	14.837
2/20/2018 23:15	522900	144.17	21.299	328.669	5479.41	5898.57	3.239	4.002	182.501	1	14.842
2/20/2018 23:30	523800	144.199	21.312	328.674	5478.216	5893.138	3.238	4.007	182.541	1	14.838
2/20/2018 23:45	524700	144.203	21.311	328.683	5478.072	5893.258	3.238	4.007	182.546	1	14.833
2/21/2018 0:00	525600	144.201	21.308	328.679	5475.741	5892.783	3.237	4.006	182.624	1	14.829
2/21/2018 0:15	526500	144.214	21.301	328.601	5470.426	5886.304	3.234	4.003	182.801	1	14.83
2/21/2018 0:30	527400	144.167	21.301	328.709	5464.114	5879.512	3.23	4.003	183.012	1	14.83
2/21/2018 0:45	528300	144.222	21.302	328.727	5465.123	5880.365	3.23	4.003	183.079	1	14.834
2/21/2018 1:00	529200	144.147	21.304	328.555	5463.619	5878.619	3.229	3.997	183.029	1	14.832
2/21/2018 1:15	530100	144.193	21.305	328.659	5462.585	5877.36	3.229	3.997	183.064	1	14.823
2/21/2018 1:30	531000	144.188	21.307	328.678	5462.42	5877.486	3.228	3.996	183.103	1	14.821
2/21/2018 1:45	531900	144.193	21.308	328.655	5461.865	5876.213	3.227	3.996	183.088	1	14.818
2/21/2018 2:00	532800	144.184	21.31	328.64	5460.66	5874.738	3.228	3.995	183.128	1	14.826
2/21/2018 2:15	533700	144.182	21.309	328.632	5459.223	5872.558	3.226	3.993	183.21	1	14.818
2/21/2018 2:30	534600	144.192	21.306	328.659	5459.745	5874.24	3.227	3.994	183.159	1	14.818
2/21/2018 2:45	535500	144.199	21.303	328.673	5457.343	5871.983	3.225	3.993	183.239	1	14.821
2/21/2018 3:00	536400	144.164	21.304	328.593	5453.179	5867.344	3.223	3.99	183.179	1	14.815
2/21/2018 3:15	537300	144.199	21.305	328.675	5454.602	5868.603	3.224	3.991	183.311	1	14.807
2/21/2018 3:30	538200	144.192	21.307	328.658	5452.734	5866.517	3.222	3.989	183.394	1	14.82
2/21/2018 3:45	539100	144.205	21.306	328.688	5451.235	5865.073	3.221	3.988	183.445	1	14.811
2/21/2018 4:00	540000	144.212	21.304	328.701	5449.625	5863.521	3.221	3.987	183.499	1	14.805
2/21/2018 4:15	540900	144.223	21.303	328.729	5445.212	5858.931	3.22	3.984	183.648	1	14.808
2/21/2018 4:30	541800	144.18	21.303	328.631	5437.539	5850.706	3.213	3.978	183.798	1	14.811
2/21/2018 4:45	542700	144.186	21.302	328.645	5430.45	5848.89	3.206	3.97	183.812	1	14.812
2/21/2018 5:00	543600	144.184	21.302	328.639	5421.044	5833.052	3.203	3.966	184.466	1	14.82
2/21/2018 5:15	544500	144.18	21.301	328.631	5412.794	5824.29	3.198	3.961	184.747	1	14.823
2/21/2018 5:30	545400	144.189	21.302	328.651	5405.78	5817.819	3.197	3.96	184.952	1	14.82
2/21/2018 5:45	546300	144.228	21.301	328.739	5397.623	5807.986	3.188	3.949	185.267	1	14.821
2/21/2018 6:00	547200	144.234	21.301	328.755	5394.216	5804.311	3.186	3.947	185.384	1	14.822
2/21/2018 6:15	548100	144.237	21.299	328.683	5387.821	5797.821	3.182	3.942	185.403	1	14.82
2/21/2018 6:30	549000	144.207	21.299	328.693	5383.518	5792.965	3.179	3.939	185.752	1	14.816
2/21/2018 6:45	549900	144.207	21.299	328.692	5382.516	5792.003	3.179	3.939	185.787	1	14.823
2/21/2018 7:00	550800	144.21	21.298	328.709	5376.408	5785.617	3.175	3.936	185.998	1	14.828
2/21/2018 7:15	551700	144.218	21.298	328.717	5376.093	5785.174	3.175	3.934	186.009	1	14.83
2/21/2018 7:30	552600	144.239	21.298	328.764	5375	5783.936	3.173	3.933	186.047	1	14.831
2/21/2018 7:45	553500	144.245	21.297	328.781	5372.7	5781.779	3.172	3.931	186.122	1	14.827
2/21/2018 8:00	554400	144.259	21.297	328.811	5372.688	5781.615	3.171	3.931	186.146	1	14.822
2/21/2018 8:15	555300	144.254	21.299	328.798	5372.563	5781.271	3.171	3.931	186.131	1	14.828
2/21/2018 8:30	556200	144.248	21.299	328.785	5370.942	5779.433	3.171	3.93	186.183	1	14.832
2/21/2018 8:45	557100	144.239	21.297	328.767	5370.167	5778.901	3.171	3.93	186.217	1	14.827
2/21/2018 9:00	558000	144.229	21.293	328.742	5369.198	5778.286	3.171	3.929	186.248	1	14.832
2/21/2018 9:15	558900	144.26	21.291	328.693	5369.153	5778.54	3.171	3.929	186.249	1	14.829
2/21/2018 9:30	559800	144.266	21.292	328.702	5367.994	5777.135	3.17	3.928	186.286	1	14.825
2/21/2018 9:45	560700	144.229	21.294	328.741	5367.594	5776.644	3.17	3.928	186.303	1	14.822
2/21/2018 10:00	561600	144.244	21.295	328.776	5368.212	5777.088	3.172	3.928	186.262	1	14.822
2/21/2018											

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: μ S/cm

Date	Time	ms	LEVEL	TEMPERATURE	CONDUCTIVITY
2/15/2018	0:00:00	0	91	16	1347.6
2/15/2018	0:15:00	0	90.957	16	1347.6
2/15/2018	0:30:00	0	90.976	16	1347.6
2/15/2018	0:45:00	0	91.014	16	1347.6
2/15/2018	1:00:00	0	90.99	16	1347.6
2/15/2018	1:15:00	0	90.987	16	1346.4
2/15/2018	1:30:00	0	91.025	16	1347.6
2/15/2018	1:45:00	0	91.007	16	1346.4
2/15/2018	2:00:00	0	90.973	16	1347.6
2/15/2018	2:15:00	0	91.019	16	1347.6
2/15/2018	2:30:00	0	91.068	16	1347.6
2/15/2018	2:45:00	0	90.989	16	1347.6
2/15/2018	3:00:00	0	91.008	16	1347.6
2/15/2018	3:15:00	0	91.028	16	1347.6
2/15/2018	3:30:00	0	91.053	16	1347.6
2/15/2018	3:45:00	0	90.993	16	1346.4
2/15/2018	4:00:00	0	91.034	16	1346.4
2/15/2018	4:15:00	0	90.972	16	1346.4
2/15/2018	4:30:00	0	91.02	16	1346.4
2/15/2018	4:45:00	0	91	16	1347.6
2/15/2018	5:00:00	0	91.015	16	1347.6
2/15/2018	5:15:00	0	91.014	16	1347.6
2/15/2018	5:30:00	0	91.016	16	1346.4
2/15/2018	5:45:00	0	91.034	16	1347.6
2/15/2018	6:00:00	0	91.013	16	1346.4
2/15/2018	6:15:00	0	91.045	16	1349.9
2/15/2018	6:30:00	0	90.997	16	1346.4
2/15/2018	6:45:00	0	91.013	16	1347.6
2/15/2018	7:00:00	0	91.041	16	1347.6
2/15/2018	7:15:00	0	90.995	16	1347.6
2/15/2018	7:30:00	0	91.023	16	1347.6

2/15/2018	7:45:00	0	91.033	16	1346.4
2/15/2018	8:00:00	0	90.983	16	1347.6
2/15/2018	8:15:00	0	91.01	16	1346.4
2/15/2018	8:30:00	0	90.984	16	1347.6
2/15/2018	8:45:00	0	90.977	16	1346.4
2/15/2018	9:00:00	0	90.995	16	1346.4
2/15/2018	9:15:00	0	90.968	16	1347.6
2/15/2018	9:30:00	0	90.984	16	1347.6
2/15/2018	9:45:00	0	91.004	16	1346.4
2/15/2018	10:00:00	0	90.957	16	1347.6
2/15/2018	10:15:00	0	90.958	16	1346.4
2/15/2018	10:30:00	0	90.92	16	1347.6
2/15/2018	10:45:00	0	90.943	16	1346.4
2/15/2018	11:00:00	0	90.948	16	1347.6
2/15/2018	11:15:00	0	90.931	16	1346.4
2/15/2018	11:30:00	0	90.956	16	1346.4
2/15/2018	11:45:00	0	90.958	16	1347.6
2/15/2018	12:00:00	0	90.95	16	1347.6
2/15/2018	12:15:00	0	90.975	16	1347.6
2/15/2018	12:30:00	0	90.925	16	1346.4
2/15/2018	12:45:00	0	90.917	16	1345.2
2/15/2018	13:00:00	0	90.924	16	1346.4
2/15/2018	13:15:00	0	90.929	16	1346.4
2/15/2018	13:30:00	0	90.932	16	1347.6
2/15/2018	13:45:00	0	90.933	16	1347.6
2/15/2018	14:00:00	0	90.938	16	1346.4
2/15/2018	14:15:00	0	90.915	16	1346.4
2/15/2018	14:30:00	0	90.919	16	1346.4
2/15/2018	14:45:00	0	90.924	16	1346.4
2/15/2018	15:00:00	0	90.907	16	1346.4
2/15/2018	15:15:00	0	90.894	16	1346.4
2/15/2018	15:30:00	0	90.894	16	1347.6
2/15/2018	15:45:00	0	90.898	16	1346.4
2/15/2018	16:00:00	0	90.918	16	1345.2
2/15/2018	16:15:00	0	90.919	16	1346.4
2/15/2018	16:30:00	0	90.896	16	1347.6
2/15/2018	16:45:00	0	90.897	16	1346.4
2/15/2018	17:00:00	0	90.888	16	1346.4
2/15/2018	17:15:00	0	90.867	16	1347.6
2/15/2018	17:30:00	0	90.885	16	1346.4
2/15/2018	17:45:00	0	90.901	16	1346.4
2/15/2018	18:00:00	0	90.872	16	1346.4
2/15/2018	18:15:00	0	90.866	16	1346.4
2/15/2018	18:30:00	0	90.878	16	1346.4
2/15/2018	18:45:00	0	90.856	16	1346.4
2/15/2018	19:00:00	0	90.874	16	1346.4
2/15/2018	19:15:00	0	90.891	16	1345.2

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2/15/2018	20:15:00	0	90.868	16	1347.6
2/15/2018	20:30:00	0	90.865	16	1345.2
2/15/2018	20:45:00	0	90.858	16	1347.6
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2/15/2018	21:45:00	0	90.864	16	1346.4
2/15/2018	22:00:00	0	90.823	16	1346.4
2/15/2018	22:15:00	0	90.877	16	1346.4
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2/15/2018	23:15:00	0	90.843	16	1347.6
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2/15/2018	23:45:00	0	90.881	16	1347.6
2/16/2018	0:00:00	0	90.888	16	1347.6
2/16/2018	0:15:00	0	90.851	16	1346.4
2/16/2018	0:30:00	0	90.853	16	1347.6
2/16/2018	0:45:00	0	90.854	16	1345.2
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2/16/2018	1:15:00	0	90.898	16	1347.6
2/16/2018	1:30:00	0	90.859	16	1347.6
2/16/2018	1:45:00	0	90.859	16	1345.2
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2/16/2018	22:45:00	0	90.8	16	1346.4
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2/16/2018	23:30:00	0	90.81	16	1347.6
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2/17/2018	0:45:00	0	90.812	16	1347.6
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2/17/2018	1:30:00	0	90.816	16	1346.4
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2/17/2018	23:00:00	0	90.663	16	1347.6
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2/18/2018	0:45:00	0	90.652	16	1347.6
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2/18/2018	1:30:00	0	90.635	16	1346.4
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2/19/2018	0:00:00	0	90.711	16	1346.4
2/19/2018	0:15:00	0	90.745	16	1347.6
2/19/2018	0:30:00	0	90.714	16	1347.6
2/19/2018	0:45:00	0	90.715	16	1345.2
2/19/2018	1:00:00	0	90.778	16	1347.6
2/19/2018	1:15:00	0	90.752	16	1347.6
2/19/2018	1:30:00	0	90.715	16	1347.6
2/19/2018	1:45:00	0	90.712	16	1347.6
2/19/2018	2:00:00	0	90.753	16	1347.6
2/19/2018	2:15:00	0	90.753	16	1348.7
2/19/2018	2:30:00	0	90.737	16	1347.6
2/19/2018	2:45:00	0	90.741	16	1347.6
2/19/2018	3:00:00	0	90.733	16	1347.6
2/19/2018	3:15:00	0	90.755	16	1346.4
2/19/2018	3:30:00	0	90.775	16	1347.6
2/19/2018	3:45:00	0	90.759	16	1347.6
2/19/2018	4:00:00	0	90.758	16	1347.6
2/19/2018	4:15:00	0	90.76	16	1347.6
2/19/2018	4:30:00	0	90.78	16	1346.4
2/19/2018	4:45:00	0	90.736	16	1346.4
2/19/2018	5:00:00	0	90.777	16	1348.7
2/19/2018	5:15:00	0	90.78	16	1347.6
2/19/2018	5:30:00	0	90.801	16	1347.6

2/19/2018	5:45:00	0	90.775	16	1347.6
2/19/2018	6:00:00	0	90.789	16	1346.4
2/19/2018	6:15:00	0	90.779	16	1348.7
2/19/2018	6:30:00	0	90.815	16	1346.4
2/19/2018	6:45:00	0	90.773	16	1346.4
2/19/2018	7:00:00	0	90.801	16	1347.6
2/19/2018	7:15:00	0	90.795	16	1346.4
2/19/2018	7:30:00	0	90.788	16	1346.4
2/19/2018	7:45:00	0	90.799	16	1346.4
2/19/2018	8:00:00	0	90.828	16	1347.6
2/19/2018	8:15:00	0	90.777	16	1347.6
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2/19/2018	9:15:00	0	90.796	16	1347.6
2/19/2018	9:30:00	0	90.793	16	1347.6
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2/19/2018	10:00:00	0	90.763	16	1346.4
2/19/2018	10:15:00	0	90.784	16	1346.4
2/19/2018	10:30:00	0	90.782	16	1347.6
2/19/2018	10:45:00	0	90.723	16	1347.6
2/19/2018	11:00:00	0	90.764	16	1346.4
2/19/2018	11:15:00	0	90.78	16	1347.6
2/19/2018	11:30:00	0	90.743	16	1347.6
2/19/2018	11:45:00	0	90.748	16	1347.6
2/19/2018	12:00:00	0	90.738	16	1347.6
2/19/2018	12:15:00	0	90.776	16	1347.6
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2/19/2018	13:15:00	0	90.768	16	1346.4
2/19/2018	13:30:00	0	90.771	16	1346.4
2/19/2018	13:45:00	0	90.771	16	1345.2
2/19/2018	14:00:00	0	90.794	16	1346.4
2/19/2018	14:15:00	0	90.755	16	1347.6
2/19/2018	14:30:00	0	90.76	16	1346.4
2/19/2018	14:45:00	0	90.801	16	1345.2
2/19/2018	15:00:00	0	90.759	16	1346.4
2/19/2018	15:15:00	0	90.78	16	1346.4
2/19/2018	15:30:00	0	90.797	16	1345.2
2/19/2018	15:45:00	0	90.74	16	1345.2
2/19/2018	16:00:00	0	90.746	16	1347.6
2/19/2018	16:15:00	0	90.764	16	1347.6
2/19/2018	16:30:00	0	90.764	16	1347.6
2/19/2018	16:45:00	0	90.76	16	1347.6
2/19/2018	17:00:00	0	90.799	16	1346.4
2/19/2018	17:15:00	0	90.755	16	1346.4

2/19/2018	17:30:00	0	90.75	16	1346.4
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2/19/2018	18:00:00	0	90.769	16	1347.6
2/19/2018	18:15:00	0	90.787	16	1346.4
2/19/2018	18:30:00	0	90.741	16	1347.6
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2/19/2018	20:15:00	0	90.782	16	1346.4
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2/19/2018	21:00:00	0	90.738	16	1346.4
2/19/2018	21:15:00	0	90.809	16	1347.6
2/19/2018	21:30:00	0	90.781	16	1346.4
2/19/2018	21:45:00	0	90.758	16	1347.6
2/19/2018	22:00:00	0	90.795	16	1347.6
2/19/2018	22:15:00	0	90.791	16	1347.6
2/19/2018	22:30:00	0	90.769	16	1347.6
2/19/2018	22:45:00	0	90.765	16	1348.7
2/19/2018	23:00:00	0	90.787	16	1348.7
2/19/2018	23:15:00	0	90.808	16	1347.6
2/19/2018	23:30:00	0	90.768	16	1346.4
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2/20/2018	0:00:00	0	90.8	16	1347.6
2/20/2018	0:15:00	0	90.817	16	1347.6
2/20/2018	0:30:00	0	90.802	16	1346.4
2/20/2018	0:45:00	0	90.801	16	1347.6
2/20/2018	1:00:00	0	90.835	16	1346.4
2/20/2018	1:15:00	0	90.829	16	1346.4
2/20/2018	1:30:00	0	90.822	16	1347.6
2/20/2018	1:45:00	0	90.821	16	1347.6
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2/20/2018	2:15:00	0	90.816	16	1346.4
2/20/2018	2:30:00	0	90.811	16	1347.6
2/20/2018	2:45:00	0	90.828	16	1346.4
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2/20/2018	3:15:00	0	90.845	16	1347.6
2/20/2018	3:30:00	0	90.826	16	1346.4
2/20/2018	3:45:00	0	90.807	16	1346.4
2/20/2018	4:00:00	0	90.846	16	1347.6
2/20/2018	4:15:00	0	90.841	16	1347.6
2/20/2018	4:30:00	0	90.841	16	1347.6
2/20/2018	4:45:00	0	90.836	16	1347.6
2/20/2018	5:00:00	0	90.832	16	1347.6

2/20/2018	5:15:00	0	90.812	16	1347.6
2/20/2018	5:30:00	0	90.825	16	1347.6
2/20/2018	5:45:00	0	90.864	16	1346.4
2/20/2018	6:00:00	0	90.86	16	1347.6
2/20/2018	6:15:00	0	90.852	16	1347.6
2/20/2018	6:30:00	0	90.87	16	1346.4
2/20/2018	6:45:00	0	90.843	16	1346.4
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2/20/2018	7:15:00	0	90.832	16	1347.6
2/20/2018	7:30:00	0	90.862	16	1348.7
2/20/2018	7:45:00	0	90.834	16	1347.6
2/20/2018	8:00:00	0	90.844	16	1347.6
2/20/2018	8:15:00	0	90.856	16	1347.6
2/20/2018	8:30:00	0	90.807	16	1346.4
2/20/2018	8:45:00	0	90.842	16	1346.4
2/20/2018	9:00:00	0	90.834	16	1347.6
2/20/2018	9:15:00	0	90.812	16	1347.6
2/20/2018	9:30:00	0	90.794	16	1347.6
2/20/2018	9:45:00	0	90.813	16	1347.6
2/20/2018	10:00:00	0	90.812	16	1347.6
2/20/2018	10:15:00	0	90.773	16	1347.6
2/20/2018	10:30:00	0	90.813	16	1347.6
2/20/2018	10:45:00	0	90.816	16	1347.6
2/20/2018	11:00:00	0	90.822	16	1346.4
2/20/2018	11:15:00	0	90.782	16	1347.6
2/20/2018	11:30:00	0	90.821	16	1347.6
2/20/2018	11:45:00	0	90.827	16	1347.6
2/20/2018	12:00:00	0	90.77	16	1348.7
2/20/2018	12:15:00	0	90.797	16	1346.4
2/20/2018	12:30:00	0	90.802	16	1346.4
2/20/2018	12:45:00	0	90.787	16	1347.6
2/20/2018	13:00:00	0	90.816	16	1347.6
2/20/2018	13:15:00	0	90.827	16	1347.6
2/20/2018	13:30:00	0	90.79	16	1347.6
2/20/2018	13:45:00	0	90.777	16	1346.4
2/20/2018	14:00:00	0	90.811	16	1347.6
2/20/2018	14:15:00	0	90.79	16	1345.2
2/20/2018	14:30:00	0	90.809	16	1346.4
2/20/2018	14:45:00	0	90.788	16	1347.6
2/20/2018	15:00:00	0	90.773	16	1347.6
2/20/2018	15:15:00	0	90.815	16	1347.6
2/20/2018	15:30:00	0	90.777	16	1347.6
2/20/2018	15:45:00	0	90.799	16	1347.6
2/20/2018	16:00:00	0	90.782	16	1347.6
2/20/2018	16:15:00	0	90.805	16	1347.6
2/20/2018	16:30:00	0	90.804	16	1347.6
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2/20/2018	17:00:00	0	90.822	16	1347.6
2/20/2018	17:15:00	0	90.786	16	1347.6
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2/20/2018	17:45:00	0	90.802	16	1347.6
2/20/2018	18:00:00	0	90.765	16	1346.4
2/20/2018	18:15:00	0	90.766	16	1346.4
2/20/2018	18:30:00	0	90.804	16	1347.6
2/20/2018	18:45:00	0	90.794	16	1345.2
2/20/2018	19:00:00	0	90.786	16	1346.4
2/20/2018	19:15:00	0	90.785	16	1346.4
2/20/2018	19:30:00	0	90.761	16	1347.6
2/20/2018	19:45:00	0	90.76	16	1347.6
2/20/2018	20:00:00	0	90.796	16	1347.6
2/20/2018	20:15:00	0	90.809	16	1346.4
2/20/2018	20:30:00	0	90.767	16	1347.6
2/20/2018	20:45:00	0	90.724	16	1347.6
2/20/2018	21:00:00	0	90.765	16	1346.4
2/20/2018	21:15:00	0	90.744	16	1346.4
2/20/2018	21:30:00	0	90.769	16	1347.6
2/20/2018	21:45:00	0	90.771	16	1346.4
2/20/2018	22:00:00	0	90.733	16	1346.4
2/20/2018	22:15:00	0	90.732	16	1348.7
2/20/2018	22:30:00	0	90.74	16	1347.6
2/20/2018	22:45:00	0	90.78	16	1347.6
2/20/2018	23:00:00	0	90.78	16	1346.4
2/20/2018	23:15:00	0	90.824	16	1347.6
2/20/2018	23:30:00	0	90.766	16	1347.6
2/20/2018	23:45:00	0	90.771	16	1347.6
2/21/2018	0:00:00	0	90.776	16	1347.6
2/21/2018	0:15:00	0	90.757	16	1346.4
2/21/2018	0:30:00	0	90.759	16	1345.2
2/21/2018	0:45:00	0	90.744	16	1347.6
2/21/2018	1:00:00	0	90.806	16	1345.2
2/21/2018	1:15:00	0	90.81	16	1347.6
2/21/2018	1:30:00	0	90.799	16	1346.4
2/21/2018	1:45:00	0	90.781	16	1345.2
2/21/2018	2:00:00	0	90.765	16	1346.4
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2/21/2018	2:30:00	0	90.765	16	1347.6
2/21/2018	2:45:00	0	90.784	16	1347.6
2/21/2018	3:00:00	0	90.831	16	1347.6
2/21/2018	3:15:00	0	90.84	16	1347.6
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2/21/2018	4:00:00	0	90.784	16	1347.6
2/21/2018	4:15:00	0	90.795	16	1346.4
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2/21/2018	5:00:00	0	90.781	16	1347.6
2/21/2018	5:15:00	0	90.779	16	1347.6
2/21/2018	5:30:00	0	90.735	16	1347.6
2/21/2018	5:45:00	0	90.754	16	1347.6
2/21/2018	6:00:00	0	90.777	16	1347.6
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2/21/2018	6:30:00	0	90.778	16	1347.6
2/21/2018	6:45:00	0	90.771	16	1348.7
2/21/2018	7:00:00	0	90.806	16	1346.4
2/21/2018	7:15:00	0	90.8	16	1346.4
2/21/2018	7:30:00	0	90.758	16	1347.6
2/21/2018	7:45:00	0	90.755	16	1347.6
2/21/2018	8:00:00	0	90.769	16	1347.6
2/21/2018	8:15:00	0	90.749	16	1347.6
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2/21/2018	8:45:00	0	90.764	16	1347.6
2/21/2018	9:00:00	0	90.72	16	1347.6
2/21/2018	9:15:00	0	90.757	16	1347.6
2/21/2018	9:30:00	0	90.717	16	1347.6
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2/21/2018	11:00:00	0	90.712	16	1347.6
2/21/2018	11:15:00	0	90.714	16	1346.4
2/21/2018	11:30:00	0	90.658	16	1347.6
2/21/2018	11:45:00	0	90.722	16	1347.6
2/21/2018	12:00:00	0	90.729	16	1347.6
2/21/2018	12:15:00	0	90.735	16	1346.4
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2/21/2018	12:45:00	0	90.716	16	1346.4
2/21/2018	13:00:00	0	90.702	16	1346.4
2/21/2018	13:15:00	0	90.703	16	1347.6
2/21/2018	13:30:00	0	90.669	16	1346.4
2/21/2018	13:45:00	0	90.696	16	1347.6
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2/21/2018	14:45:00	0	90.698	16	1346.4
2/21/2018	15:00:00	0	90.711	16	1347.6
2/21/2018	15:15:00	0	90.748	16	1347.6
2/21/2018	15:30:00	0	90.73	16	1345.2
2/21/2018	15:45:00	0	90.671	16	1347.6
2/21/2018	16:00:00	0	90.717	16	1347.6
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2/21/2018	16:30:00	0	90.723	16	1347.6
2/21/2018	16:45:00	0	90.769	16	1347.6
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2/21/2018	17:15:00	0	90.751	16	1347.6
2/21/2018	17:30:00	0	90.711	16	1346.4
2/21/2018	17:45:00	0	90.745	16	1347.6
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2/21/2018	18:30:00	0	90.711	16	1346.4
2/21/2018	18:45:00	0	90.73	16	1347.6
2/21/2018	19:00:00	0	90.732	16	1347.6
2/21/2018	19:15:00	0	90.73	16	1346.4
2/21/2018	19:30:00	0	90.727	16	1347.6
2/21/2018	19:45:00	0	90.747	16	1347.6
2/21/2018	20:00:00	0	90.679	16	1347.6
2/21/2018	20:15:00	0	90.718	16	1347.6
2/21/2018	20:30:00	0	90.713	16	1347.6
2/21/2018	20:45:00	0	90.727	16	1347.6
2/21/2018	21:00:00	0	90.725	16	1346.4
2/21/2018	21:15:00	0	90.721	16	1347.6
2/21/2018	21:30:00	0	90.725	16	1347.6
2/21/2018	21:45:00	0	90.745	16	1347.6
2/21/2018	22:00:00	0	90.708	16	1346.4
2/21/2018	22:15:00	0	90.728	16	1347.6
2/21/2018	22:30:00	0	90.729	16	1347.6
2/21/2018	22:45:00	0	90.725	16	1347.6
2/21/2018	23:00:00	0	90.782	16	1347.6
2/21/2018	23:15:00	0	90.737	16	1346.4
2/21/2018	23:30:00	0	90.775	16	1347.6
2/21/2018	23:45:00	0	90.753	16	1348.7

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: μ S/cm

Date	Time	ms	LEVEL	TEMPERATURE	CONDUCTIVITY
2/15/2018	0:00:00	0	30.902	15.7	1959.3
2/15/2018	0:15:00	0	30.878	15.7	1956.9
2/15/2018	0:30:00	0	30.877	15.6	1960.2
2/15/2018	0:45:00	0	30.896	15.7	1956.9
2/15/2018	1:00:00	0	30.892	15.7	1956.9
2/15/2018	1:15:00	0	30.869	15.7	1956.9
2/15/2018	1:30:00	0	30.907	15.7	1956.9
2/15/2018	1:45:00	0	30.869	15.7	1959.3
2/15/2018	2:00:00	0	30.854	15.7	1959.3
2/15/2018	2:15:00	0	30.861	15.7	1956.9
2/15/2018	2:30:00	0	30.911	15.7	1959.3
2/15/2018	2:45:00	0	30.91	15.7	1959.3
2/15/2018	3:00:00	0	30.89	15.7	1959.3
2/15/2018	3:15:00	0	30.91	15.7	1959.3
2/15/2018	3:30:00	0	30.895	15.7	1959.3
2/15/2018	3:45:00	0	30.874	15.7	1956.9
2/15/2018	4:00:00	0	30.916	15.7	1959.3
2/15/2018	4:15:00	0	30.893	15.7	1956.9
2/15/2018	4:30:00	0	30.922	15.7	1959.3
2/15/2018	4:45:00	0	30.881	15.7	1956.9
2/15/2018	5:00:00	0	30.877	15.7	1956.9
2/15/2018	5:15:00	0	30.896	15.7	1959.3
2/15/2018	5:30:00	0	30.918	15.7	1956.9
2/15/2018	5:45:00	0	30.896	15.7	1956.9
2/15/2018	6:00:00	0	30.895	15.7	1956.9
2/15/2018	6:15:00	0	30.927	15.7	1956.9
2/15/2018	6:30:00	0	30.879	15.7	1956.9
2/15/2018	6:45:00	0	30.875	15.7	1956.9
2/15/2018	7:00:00	0	30.884	15.7	1956.9
2/15/2018	7:15:00	0	30.877	15.7	1959.3
2/15/2018	7:30:00	0	30.866	15.7	1956.9

2/15/2018	7:45:00	0	30.856	15.7	1956.9
2/15/2018	8:00:00	0	30.825	15.7	1959.3
2/15/2018	8:15:00	0	30.833	15.7	1959.3
2/15/2018	8:30:00	0	30.827	15.7	1959.3
2/15/2018	8:45:00	0	30.84	15.7	1956.9
2/15/2018	9:00:00	0	30.838	15.7	1959.3
2/15/2018	9:15:00	0	30.85	15.7	1959.3
2/15/2018	9:30:00	0	30.827	15.7	1959.3
2/15/2018	9:45:00	0	30.807	15.7	1959.3
2/15/2018	10:00:00	0	30.839	15.7	1960.5
2/15/2018	10:15:00	0	30.84	15.7	1959.3
2/15/2018	10:30:00	0	30.861	15.7	1959.3
2/15/2018	10:45:00	0	30.844	15.7	1959.3
2/15/2018	11:00:00	0	30.83	15.7	1959.3
2/15/2018	11:15:00	0	30.873	15.7	1959.3
2/15/2018	11:30:00	0	30.857	15.7	1959.3
2/15/2018	11:45:00	0	30.82	15.7	1959.3
2/15/2018	12:00:00	0	30.871	15.7	1960.5
2/15/2018	12:15:00	0	30.857	15.7	1959.3
2/15/2018	12:30:00	0	30.885	15.7	1959.3
2/15/2018	12:45:00	0	30.897	15.7	1959.3
2/15/2018	13:00:00	0	30.885	15.7	1959.3
2/15/2018	13:15:00	0	30.89	15.7	1959.3
2/15/2018	13:30:00	0	30.932	15.7	1959.3
2/15/2018	13:45:00	0	30.913	15.7	1959.3
2/15/2018	14:00:00	0	30.899	15.7	1959.3
2/15/2018	14:15:00	0	30.915	15.7	1959.3
2/15/2018	14:30:00	0	30.939	15.7	1956.9
2/15/2018	14:45:00	0	30.865	15.7	1959.3
2/15/2018	15:00:00	0	30.887	15.7	1959.3
2/15/2018	15:15:00	0	30.894	15.7	1959.3
2/15/2018	15:30:00	0	30.933	15.7	1959.3
2/15/2018	15:45:00	0	30.858	15.7	1956.9
2/15/2018	16:00:00	0	30.858	15.7	1960.5
2/15/2018	16:15:00	0	30.899	15.7	1959.3
2/15/2018	16:30:00	0	30.916	15.7	1959.3
2/15/2018	16:45:00	0	30.897	15.7	1959.3
2/15/2018	17:00:00	0	30.868	15.7	1960.5
2/15/2018	17:15:00	0	30.907	15.7	1959.3
2/15/2018	17:30:00	0	30.885	15.7	1959.3
2/15/2018	17:45:00	0	30.881	15.7	1959.3
2/15/2018	18:00:00	0	30.832	15.7	1959.3
2/15/2018	18:15:00	0	30.886	15.7	1959.3
2/15/2018	18:30:00	0	30.878	15.7	1959.3
2/15/2018	18:45:00	0	30.876	15.7	1959.3
2/15/2018	19:00:00	0	30.874	15.7	1959.3
2/15/2018	19:15:00	0	30.872	15.7	1959.3

2/15/2018	19:30:00	0	30.848	15.7	1959.3
2/15/2018	19:45:00	0	30.843	15.7	1959.3
2/15/2018	20:00:00	0	30.877	15.7	1959.3
2/15/2018	20:15:00	0	30.868	15.7	1959.3
2/15/2018	20:30:00	0	30.865	15.7	1956.9
2/15/2018	20:45:00	0	30.839	15.7	1959.3
2/15/2018	21:00:00	0	30.879	15.7	1959.3
2/15/2018	21:15:00	0	30.851	15.7	1959.3
2/15/2018	21:30:00	0	30.83	15.7	1959.3
2/15/2018	21:45:00	0	30.864	15.7	1959.3
2/15/2018	22:00:00	0	30.842	15.7	1959.3
2/15/2018	22:15:00	0	30.857	15.7	1959.3
2/15/2018	22:30:00	0	30.858	15.7	1959.3
2/15/2018	22:45:00	0	30.841	15.7	1959.3
2/15/2018	23:00:00	0	30.863	15.7	1959.3
2/15/2018	23:15:00	0	30.883	15.7	1959.3
2/15/2018	23:30:00	0	30.863	15.7	1959.3
2/15/2018	23:45:00	0	30.861	15.7	1959.3
2/16/2018	0:00:00	0	30.848	15.7	1959.3
2/16/2018	0:15:00	0	30.851	15.7	1960.5
2/16/2018	0:30:00	0	30.873	15.7	1959.3
2/16/2018	0:45:00	0	30.874	15.7	1959.3
2/16/2018	1:00:00	0	30.895	15.7	1960.5
2/16/2018	1:15:00	0	30.898	15.7	1959.3
2/16/2018	1:30:00	0	30.899	15.7	1959.3
2/16/2018	1:45:00	0	30.899	15.7	1959.3
2/16/2018	2:00:00	0	30.881	15.7	1959.3
2/16/2018	2:15:00	0	30.89	15.7	1956.9
2/16/2018	2:30:00	0	30.877	15.7	1959.3
2/16/2018	2:45:00	0	30.906	15.6	1962.6
2/16/2018	3:00:00	0	30.904	15.7	1959.3
2/16/2018	3:15:00	0	30.895	15.7	1959.3
2/16/2018	3:30:00	0	30.885	15.7	1956.9
2/16/2018	3:45:00	0	30.967	15.7	1959.3
2/16/2018	4:00:00	0	30.954	15.7	1959.3
2/16/2018	4:15:00	0	30.899	15.7	1959.3
2/16/2018	4:30:00	0	30.94	15.7	1959.3
2/16/2018	4:45:00	0	30.917	15.7	1959.3
2/16/2018	5:00:00	0	30.943	15.7	1959.3
2/16/2018	5:15:00	0	30.926	15.7	1959.3
2/16/2018	5:30:00	0	30.917	15.7	1956.9
2/16/2018	5:45:00	0	30.938	15.7	1959.3
2/16/2018	6:00:00	0	30.919	15.7	1959.3
2/16/2018	6:15:00	0	30.894	15.7	1959.3
2/16/2018	6:30:00	0	30.867	15.7	1959.3
2/16/2018	6:45:00	0	30.898	15.7	1956.9
2/16/2018	7:00:00	0	30.893	15.7	1959.3

2/16/2018	7:15:00	0	30.891	15.7	1959.3
2/16/2018	7:30:00	0	30.885	15.7	1959.3
2/16/2018	7:45:00	0	30.87	15.7	1959.3
2/16/2018	8:00:00	0	30.866	15.7	1959.3
2/16/2018	8:15:00	0	30.834	15.7	1959.3
2/16/2018	8:30:00	0	30.888	15.7	1959.3
2/16/2018	8:45:00	0	30.853	15.6	1962.6
2/16/2018	9:00:00	0	30.867	15.7	1959.3
2/16/2018	9:15:00	0	30.843	15.7	1959.3
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2/16/2018	9:45:00	0	30.847	15.7	1959.3
2/16/2018	10:00:00	0	30.85	15.7	1959.3
2/16/2018	10:15:00	0	30.853	15.7	1959.3
2/16/2018	10:30:00	0	30.841	15.7	1959.3
2/16/2018	10:45:00	0	30.903	15.7	1959.3
2/16/2018	11:00:00	0	30.851	15.7	1959.3
2/16/2018	11:15:00	0	30.874	15.7	1959.3
2/16/2018	11:30:00	0	30.906	15.7	1959.3
2/16/2018	11:45:00	0	30.881	15.7	1959.3
2/16/2018	12:00:00	0	30.935	15.7	1959.3
2/16/2018	12:15:00	0	30.941	15.7	1959.3
2/16/2018	12:30:00	0	30.909	15.7	1959.3
2/16/2018	12:45:00	0	30.917	15.7	1959.3
2/16/2018	13:00:00	0	30.927	15.7	1959.3
2/16/2018	13:15:00	0	30.893	15.7	1959.3
2/16/2018	13:30:00	0	30.937	15.7	1959.3
2/16/2018	13:45:00	0	30.885	15.7	1960.5
2/16/2018	14:00:00	0	30.869	15.7	1959.3
2/16/2018	14:15:00	0	30.952	15.7	1959.3
2/16/2018	14:30:00	0	30.912	15.7	1959.3
2/16/2018	14:45:00	0	30.916	15.7	1959.3
2/16/2018	15:00:00	0	30.88	15.7	1959.3
2/16/2018	15:15:00	0	30.944	15.7	1959.3
2/16/2018	15:30:00	0	30.932	15.7	1959.3
2/16/2018	15:45:00	0	30.953	15.7	1959.3
2/16/2018	16:00:00	0	30.931	15.7	1959.3
2/16/2018	16:15:00	0	30.913	15.7	1959.3
2/16/2018	16:30:00	0	30.915	15.7	1959.3
2/16/2018	16:45:00	0	30.982	15.7	1959.3
2/16/2018	17:00:00	0	30.939	15.7	1959.3
2/16/2018	17:15:00	0	30.901	15.7	1959.3
2/16/2018	17:30:00	0	30.901	15.7	1959.3
2/16/2018	17:45:00	0	30.887	15.7	1959.3
2/16/2018	18:00:00	0	30.904	15.7	1959.3
2/16/2018	18:15:00	0	30.863	15.7	1959.3
2/16/2018	18:30:00	0	30.899	15.7	1959.3
2/16/2018	18:45:00	0	30.919	15.7	1959.3

2/16/2018	19:00:00	0	30.914	15.7	1959.3
2/16/2018	19:15:00	0	30.928	15.7	1959.3
2/16/2018	19:30:00	0	30.864	15.7	1959.3
2/16/2018	19:45:00	0	30.882	15.7	1959.3
2/16/2018	20:00:00	0	30.903	15.7	1959.3
2/16/2018	20:15:00	0	30.923	15.7	1959.3
2/16/2018	20:30:00	0	30.88	15.7	1959.3
2/16/2018	20:45:00	0	30.873	15.7	1956.9
2/16/2018	21:00:00	0	30.89	15.7	1959.3
2/16/2018	21:15:00	0	30.869	15.7	1959.3
2/16/2018	21:30:00	0	30.851	15.7	1959.3
2/16/2018	21:45:00	0	30.89	15.7	1959.3
2/16/2018	22:00:00	0	30.909	15.7	1959.3
2/16/2018	22:15:00	0	30.931	15.7	1959.3
2/16/2018	22:30:00	0	30.911	15.7	1959.3
2/16/2018	22:45:00	0	30.898	15.7	1959.3
2/16/2018	23:00:00	0	30.9	15.7	1959.3
2/16/2018	23:15:00	0	30.951	15.7	1959.3
2/16/2018	23:30:00	0	30.908	15.7	1959.3
2/16/2018	23:45:00	0	30.887	15.7	1959.3
2/17/2018	0:00:00	0	30.883	15.7	1959.3
2/17/2018	0:15:00	0	30.887	15.7	1959.3
2/17/2018	0:30:00	0	30.873	15.7	1956.9
2/17/2018	0:45:00	0	30.89	15.7	1959.3
2/17/2018	1:00:00	0	30.93	15.7	1959.3
2/17/2018	1:15:00	0	30.913	15.7	1959.3
2/17/2018	1:30:00	0	30.894	15.7	1959.3
2/17/2018	1:45:00	0	30.897	15.7	1959.3
2/17/2018	2:00:00	0	30.859	15.7	1959.3
2/17/2018	2:15:00	0	30.898	15.7	1956.9
2/17/2018	2:30:00	0	30.9	15.7	1959.3
2/17/2018	2:45:00	0	30.898	15.7	1960.5
2/17/2018	3:00:00	0	30.881	15.7	1959.3
2/17/2018	3:15:00	0	30.926	15.7	1959.3
2/17/2018	3:30:00	0	30.908	15.7	1959.3
2/17/2018	3:45:00	0	30.916	15.7	1959.3
2/17/2018	4:00:00	0	30.861	15.7	1959.3
2/17/2018	4:15:00	0	30.906	15.7	1959.3
2/17/2018	4:30:00	0	30.892	15.7	1956.9
2/17/2018	4:45:00	0	30.915	15.7	1959.3
2/17/2018	5:00:00	0	30.915	15.7	1959.3
2/17/2018	5:15:00	0	30.956	15.7	1959.3
2/17/2018	5:30:00	0	30.862	15.7	1959.3
2/17/2018	5:45:00	0	30.898	15.7	1959.3
2/17/2018	6:00:00	0	30.941	15.7	1959.3
2/17/2018	6:15:00	0	30.9	15.7	1959.3
2/17/2018	6:30:00	0	30.898	15.7	1960.5

2/17/2018	6:45:00	0	30.894	15.7	1959.3
2/17/2018	7:00:00	0	30.934	15.7	1959.3
2/17/2018	7:15:00	0	30.914	15.7	1959.3
2/17/2018	7:30:00	0	30.906	15.7	1959.3
2/17/2018	7:45:00	0	30.897	15.7	1959.3
2/17/2018	8:00:00	0	30.889	15.7	1959.3
2/17/2018	8:15:00	0	30.859	15.7	1959.3
2/17/2018	8:30:00	0	30.897	15.7	1959.3
2/17/2018	8:45:00	0	30.855	15.7	1959.3
2/17/2018	9:00:00	0	30.873	15.7	1959.3
2/17/2018	9:15:00	0	30.914	15.7	1959.3
2/17/2018	9:30:00	0	30.853	15.7	1959.3
2/17/2018	9:45:00	0	30.875	15.7	1959.3
2/17/2018	10:00:00	0	30.854	15.7	1956.9
2/17/2018	10:15:00	0	30.838	15.7	1959.3
2/17/2018	10:30:00	0	30.881	15.7	1959.3
2/17/2018	10:45:00	0	30.924	15.7	1959.3
2/17/2018	11:00:00	0	30.865	15.7	1959.3
2/17/2018	11:15:00	0	30.93	15.7	1959.3
2/17/2018	11:30:00	0	30.937	15.7	1959.3
2/17/2018	11:45:00	0	30.888	15.7	1959.3
2/17/2018	12:00:00	0	30.895	15.7	1959.3
2/17/2018	12:15:00	0	30.962	15.7	1959.3
2/17/2018	12:30:00	0	30.969	15.7	1959.3
2/17/2018	12:45:00	0	30.958	15.7	1959.3
2/17/2018	13:00:00	0	30.926	15.7	1959.3
2/17/2018	13:15:00	0	30.911	15.7	1959.3
2/17/2018	13:30:00	0	30.896	15.7	1959.3
2/17/2018	13:45:00	0	31.002	15.7	1959.3
2/17/2018	14:00:00	0	30.924	15.7	1960.5
2/17/2018	14:15:00	0	30.943	15.7	1959.3
2/17/2018	14:30:00	0	30.927	15.7	1959.3
2/17/2018	14:45:00	0	30.968	15.7	1959.3
2/17/2018	15:00:00	0	30.949	15.7	1959.3
2/17/2018	15:15:00	0	30.949	15.7	1959.3
2/17/2018	15:30:00	0	30.911	15.7	1959.3
2/17/2018	15:45:00	0	30.936	15.7	1959.3
2/17/2018	16:00:00	0	30.955	15.7	1959.3
2/17/2018	16:15:00	0	30.972	15.7	1959.3
2/17/2018	16:30:00	0	30.956	15.7	1959.3
2/17/2018	16:45:00	0	30.941	15.7	1959.3
2/17/2018	17:00:00	0	30.94	15.7	1959.3
2/17/2018	17:15:00	0	30.921	15.7	1959.3
2/17/2018	17:30:00	0	30.924	15.7	1959.3
2/17/2018	17:45:00	0	30.97	15.7	1959.3
2/17/2018	18:00:00	0	30.895	15.7	1959.3
2/17/2018	18:15:00	0	30.935	15.7	1959.3

2/17/2018	18:30:00	0	30.915	15.7	1959.3
2/17/2018	18:45:00	0	30.955	15.7	1959.3
2/17/2018	19:00:00	0	30.897	15.7	1959.3
2/17/2018	19:15:00	0	30.939	15.7	1959.3
2/17/2018	19:30:00	0	30.898	15.7	1959.3
2/17/2018	19:45:00	0	30.922	15.7	1959.3
2/17/2018	20:00:00	0	30.945	15.7	1959.3
2/17/2018	20:15:00	0	30.929	15.7	1959.3
2/17/2018	20:30:00	0	30.976	15.7	1959.3
2/17/2018	20:45:00	0	30.941	15.7	1959.3
2/17/2018	21:00:00	0	30.962	15.7	1959.3
2/17/2018	21:15:00	0	30.939	15.7	1959.3
2/17/2018	21:30:00	0	30.919	15.7	1959.3
2/17/2018	21:45:00	0	30.92	15.7	1959.3
2/17/2018	22:00:00	0	30.941	15.7	1959.3
2/17/2018	22:15:00	0	30.944	15.7	1959.3
2/17/2018	22:30:00	0	30.986	15.7	1959.3
2/17/2018	22:45:00	0	30.941	15.7	1959.3
2/17/2018	23:00:00	0	30.938	15.7	1959.3
2/17/2018	23:15:00	0	30.915	15.7	1959.3
2/17/2018	23:30:00	0	30.953	15.7	1959.3
2/17/2018	23:45:00	0	30.934	15.7	1959.3
2/18/2018	0:00:00	0	30.935	15.7	1959.3
2/18/2018	0:15:00	0	30.899	15.7	1959.3
2/18/2018	0:30:00	0	30.943	15.7	1959.3
2/18/2018	0:45:00	0	30.908	15.7	1959.3
2/18/2018	1:00:00	0	30.926	15.7	1959.3
2/18/2018	1:15:00	0	30.93	15.7	1959.3
2/18/2018	1:30:00	0	30.95	15.7	1959.3
2/18/2018	1:45:00	0	30.935	15.7	1959.3
2/18/2018	2:00:00	0	30.934	15.7	1959.3
2/18/2018	2:15:00	0	30.977	15.7	1959.3
2/18/2018	2:30:00	0	30.984	15.7	1959.3
2/18/2018	2:45:00	0	30.982	15.7	1959.3
2/18/2018	3:00:00	0	30.946	15.6	1962.6
2/18/2018	3:15:00	0	30.969	15.7	1956.9
2/18/2018	3:30:00	0	30.955	15.6	1960.2
2/18/2018	3:45:00	0	30.973	15.7	1959.3
2/18/2018	4:00:00	0	30.919	15.7	1959.3
2/18/2018	4:15:00	0	30.96	15.7	1959.3
2/18/2018	4:30:00	0	30.936	15.7	1959.3
2/18/2018	4:45:00	0	30.935	15.7	1959.3
2/18/2018	5:00:00	0	30.924	15.7	1960.5
2/18/2018	5:15:00	0	30.915	15.7	1959.3
2/18/2018	5:30:00	0	30.909	15.7	1959.3
2/18/2018	5:45:00	0	30.927	15.7	1959.3
2/18/2018	6:00:00	0	30.928	15.7	1959.3

2/18/2018	6:15:00	0	30.933	15.7	1959.3
2/18/2018	6:30:00	0	30.875	15.7	1959.3
2/18/2018	6:45:00	0	30.965	15.7	1959.3
2/18/2018	7:00:00	0	30.94	15.7	1959.3
2/18/2018	7:15:00	0	30.959	15.7	1959.3
2/18/2018	7:30:00	0	30.894	15.7	1959.3
2/18/2018	7:45:00	0	30.933	15.7	1959.3
2/18/2018	8:00:00	0	30.927	15.7	1956.9
2/18/2018	8:15:00	0	30.922	15.7	1959.3
2/18/2018	8:30:00	0	30.964	15.7	1959.3
2/18/2018	8:45:00	0	30.901	15.7	1959.3
2/18/2018	9:00:00	0	30.903	15.7	1959.3
2/18/2018	9:15:00	0	30.913	15.7	1959.3
2/18/2018	9:30:00	0	30.909	15.7	1959.3
2/18/2018	9:45:00	0	30.924	15.7	1959.3
2/18/2018	10:00:00	0	30.905	15.7	1959.3
2/18/2018	10:15:00	0	30.922	15.7	1959.3
2/18/2018	10:30:00	0	30.927	15.7	1959.3
2/18/2018	10:45:00	0	30.907	15.7	1959.3
2/18/2018	11:00:00	0	30.889	15.7	1959.3
2/18/2018	11:15:00	0	30.878	15.7	1959.3
2/18/2018	11:30:00	0	30.884	15.7	1959.3
2/18/2018	11:45:00	0	30.948	15.7	1959.3
2/18/2018	12:00:00	0	30.892	15.7	1956.9
2/18/2018	12:15:00	0	30.922	15.7	1959.3
2/18/2018	12:30:00	0	30.903	15.7	1959.3
2/18/2018	12:45:00	0	30.951	15.7	1959.3
2/18/2018	13:00:00	0	30.94	15.7	1959.3
2/18/2018	13:15:00	0	30.949	15.7	1959.3
2/18/2018	13:30:00	0	30.951	15.7	1959.3
2/18/2018	13:45:00	0	30.982	15.7	1959.3
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2/18/2018	14:15:00	0	30.97	15.7	1959.3
2/18/2018	14:30:00	0	30.975	15.7	1959.3
2/18/2018	14:45:00	0	30.967	15.7	1959.3
2/18/2018	15:00:00	0	30.932	15.7	1959.3
2/18/2018	15:15:00	0	30.972	15.7	1959.3
2/18/2018	15:30:00	0	30.957	15.7	1959.3
2/18/2018	15:45:00	0	30.992	15.7	1959.3
2/18/2018	16:00:00	0	30.97	15.7	1959.3
2/18/2018	16:15:00	0	30.976	15.7	1959.3
2/18/2018	16:30:00	0	30.957	15.7	1959.3
2/18/2018	16:45:00	0	30.957	15.7	1959.3
2/18/2018	17:00:00	0	30.933	15.7	1959.3
2/18/2018	17:15:00	0	30.916	15.7	1959.3
2/18/2018	17:30:00	0	30.894	15.7	1959.3
2/18/2018	17:45:00	0	30.943	15.7	1959.3

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2/18/2018	18:15:00	0	30.927	15.7	1959.3
2/18/2018	18:30:00	0	30.946	15.7	1959.3
2/18/2018	18:45:00	0	30.963	15.7	1959.3
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2/18/2018	19:15:00	0	30.909	15.7	1959.3
2/18/2018	19:30:00	0	30.924	15.7	1959.3
2/18/2018	19:45:00	0	30.928	15.7	1959.3
2/18/2018	20:00:00	0	30.926	15.7	1959.3
2/18/2018	20:15:00	0	30.923	15.7	1959.3
2/18/2018	20:30:00	0	30.943	15.7	1959.3
2/18/2018	20:45:00	0	30.898	15.7	1959.3
2/18/2018	21:00:00	0	30.891	15.7	1956.9
2/18/2018	21:15:00	0	30.968	15.7	1959.3
2/18/2018	21:30:00	0	30.904	15.7	1959.3
2/18/2018	21:45:00	0	30.924	15.7	1959.3
2/18/2018	22:00:00	0	30.929	15.7	1959.3
2/18/2018	22:15:00	0	30.928	15.7	1959.3
2/18/2018	22:30:00	0	30.932	15.7	1959.3
2/18/2018	22:45:00	0	30.909	15.7	1959.3
2/18/2018	23:00:00	0	30.895	15.7	1956.9
2/18/2018	23:15:00	0	30.95	15.7	1959.3
2/18/2018	23:30:00	0	30.931	15.7	1959.3
2/18/2018	23:45:00	0	30.927	15.7	1956.9
2/19/2018	0:00:00	0	30.966	15.7	1959.3
2/19/2018	0:15:00	0	30.922	15.7	1959.3
2/19/2018	0:30:00	0	30.95	15.7	1959.3
2/19/2018	0:45:00	0	30.911	15.7	1959.3
2/19/2018	1:00:00	0	30.896	15.7	1959.3
2/19/2018	1:15:00	0	30.929	15.7	1959.3
2/19/2018	1:30:00	0	30.951	15.6	1962.6
2/19/2018	1:45:00	0	30.948	15.7	1959.3
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2/19/2018	2:15:00	0	30.91	15.7	1956.9
2/19/2018	2:30:00	0	30.934	15.7	1959.3
2/19/2018	2:45:00	0	30.918	15.7	1959.3
2/19/2018	3:00:00	0	30.949	15.7	1959.3
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2/19/2018	3:30:00	0	30.952	15.7	1959.3
2/19/2018	3:45:00	0	30.976	15.7	1959.3
2/19/2018	4:00:00	0	30.975	15.7	1959.3
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2/19/2018	4:45:00	0	30.972	15.7	1956.9
2/19/2018	5:00:00	0	30.954	15.7	1959.3
2/19/2018	5:15:00	0	30.937	15.7	1959.3
2/19/2018	5:30:00	0	30.958	15.7	1959.3

2/19/2018	5:45:00	0	30.932	15.7	1959.3
2/19/2018	6:00:00	0	30.946	15.7	1959.3
2/19/2018	6:15:00	0	30.956	15.6	1962.6
2/19/2018	6:30:00	0	30.953	15.7	1959.3
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2/19/2018	7:00:00	0	30.958	15.6	1960.2
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2/19/2018	7:45:00	0	30.917	15.7	1959.3
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2/19/2018	8:45:00	0	30.9	15.7	1959.3
2/19/2018	9:00:00	0	30.899	15.7	1959.3
2/19/2018	9:15:00	0	30.855	15.7	1959.3
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2/19/2018	9:45:00	0	30.888	15.7	1959.3
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2/19/2018	10:15:00	0	30.882	15.7	1959.3
2/19/2018	10:30:00	0	30.919	15.7	1959.3
2/19/2018	10:45:00	0	30.86	15.7	1956.9
2/19/2018	11:00:00	0	30.902	15.7	1959.3
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2/19/2018	11:30:00	0	30.881	15.7	1959.3
2/19/2018	11:45:00	0	30.886	15.7	1956.9
2/19/2018	12:00:00	0	30.915	15.7	1956.9
2/19/2018	12:15:00	0	30.874	15.7	1959.3
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2/19/2018	12:45:00	0	30.939	15.7	1959.3
2/19/2018	13:00:00	0	30.942	15.7	1959.3
2/19/2018	13:15:00	0	30.906	15.7	1959.3
2/19/2018	13:30:00	0	30.909	15.7	1959.3
2/19/2018	13:45:00	0	30.909	15.7	1959.3
2/19/2018	14:00:00	0	30.912	15.7	1959.3
2/19/2018	14:15:00	0	30.912	15.7	1959.3
2/19/2018	14:30:00	0	30.897	15.7	1959.3
2/19/2018	14:45:00	0	30.939	15.7	1959.3
2/19/2018	15:00:00	0	30.936	15.7	1959.3
2/19/2018	15:15:00	0	30.918	15.7	1959.3
2/19/2018	15:30:00	0	30.954	15.7	1956.9
2/19/2018	15:45:00	0	30.917	15.7	1959.3
2/19/2018	16:00:00	0	30.883	15.7	1959.3
2/19/2018	16:15:00	0	30.902	15.7	1959.3
2/19/2018	16:30:00	0	30.922	15.7	1959.3
2/19/2018	16:45:00	0	30.918	15.7	1959.3
2/19/2018	17:00:00	0	30.917	15.7	1956.9
2/19/2018	17:15:00	0	30.932	15.7	1959.3

2/19/2018	17:30:00	0	30.947	15.7	1959.3
2/19/2018	17:45:00	0	30.907	15.7	1959.3
2/19/2018	18:00:00	0	30.946	15.7	1959.3
2/19/2018	18:15:00	0	30.905	15.7	1959.3
2/19/2018	18:30:00	0	30.879	15.7	1959.3
2/19/2018	18:45:00	0	30.892	15.7	1959.3
2/19/2018	19:00:00	0	30.89	15.7	1959.3
2/19/2018	19:15:00	0	30.902	15.7	1959.3
2/19/2018	19:30:00	0	30.895	15.7	1959.3
2/19/2018	19:45:00	0	30.893	15.7	1956.9
2/19/2018	20:00:00	0	30.93	15.7	1959.3
2/19/2018	20:15:00	0	30.861	15.7	1956.9
2/19/2018	20:30:00	0	30.853	15.7	1959.3
2/19/2018	20:45:00	0	30.849	15.7	1959.3
2/19/2018	21:00:00	0	30.856	15.7	1959.3
2/19/2018	21:15:00	0	30.888	15.7	1959.3
2/19/2018	21:30:00	0	30.88	15.7	1959.3
2/19/2018	21:45:00	0	30.817	15.7	1959.3
2/19/2018	22:00:00	0	30.933	15.7	1959.3
2/19/2018	22:15:00	0	30.85	15.7	1959.3
2/19/2018	22:30:00	0	30.828	15.7	1959.3
2/19/2018	22:45:00	0	30.864	15.7	1959.3
2/19/2018	23:00:00	0	30.886	15.7	1959.3
2/19/2018	23:15:00	0	30.867	15.7	1959.3
2/19/2018	23:30:00	0	30.887	15.7	1956.9
2/19/2018	23:45:00	0	30.881	15.7	1956.9
2/20/2018	0:00:00	0	30.859	15.7	1959.3
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2/20/2018	0:30:00	0	30.881	15.7	1959.3
2/20/2018	0:45:00	0	30.919	15.7	1959.3
2/20/2018	1:00:00	0	30.894	15.7	1959.3
2/20/2018	1:15:00	0	30.829	15.7	1959.3
2/20/2018	1:30:00	0	30.92	15.7	1959.3
2/20/2018	1:45:00	0	30.919	15.7	1959.3
2/20/2018	2:00:00	0	30.878	15.7	1959.3
2/20/2018	2:15:00	0	30.875	15.7	1959.3
2/20/2018	2:30:00	0	30.832	15.7	1956.9
2/20/2018	2:45:00	0	30.867	15.7	1959.3
2/20/2018	3:00:00	0	30.862	15.7	1959.3
2/20/2018	3:15:00	0	30.865	15.7	1956.9
2/20/2018	3:30:00	0	30.865	15.7	1959.3
2/20/2018	3:45:00	0	30.886	15.7	1959.3
2/20/2018	4:00:00	0	30.905	15.7	1959.3
2/20/2018	4:15:00	0	30.881	15.7	1959.3
2/20/2018	4:30:00	0	30.861	15.7	1959.3
2/20/2018	4:45:00	0	30.895	15.7	1956.9
2/20/2018	5:00:00	0	30.911	15.7	1956.9

2/20/2018	5:15:00	0	30.851	15.7	1959.3
2/20/2018	5:30:00	0	30.865	15.7	1959.3
2/20/2018	5:45:00	0	30.844	15.7	1956.9
2/20/2018	6:00:00	0	30.879	15.7	1956.9
2/20/2018	6:15:00	0	30.871	15.7	1959.3
2/20/2018	6:30:00	0	30.869	15.7	1959.3
2/20/2018	6:45:00	0	30.902	15.7	1956.9
2/20/2018	7:00:00	0	30.876	15.6	1960.2
2/20/2018	7:15:00	0	30.832	15.7	1956.9
2/20/2018	7:30:00	0	30.862	15.7	1956.9
2/20/2018	7:45:00	0	30.893	15.7	1959.3
2/20/2018	8:00:00	0	30.864	15.7	1959.3
2/20/2018	8:15:00	0	30.856	15.7	1959.3
2/20/2018	8:30:00	0	30.826	15.7	1959.3
2/20/2018	8:45:00	0	30.802	15.7	1959.3
2/20/2018	9:00:00	0	30.814	15.7	1956.9
2/20/2018	9:15:00	0	30.812	15.7	1959.3
2/20/2018	9:30:00	0	30.833	15.7	1959.3
2/20/2018	9:45:00	0	30.853	15.7	1959.3
2/20/2018	10:00:00	0	30.832	15.7	1959.3
2/20/2018	10:15:00	0	30.852	15.7	1956.9
2/20/2018	10:30:00	0	30.833	15.7	1959.3
2/20/2018	10:45:00	0	30.796	15.7	1956.9
2/20/2018	11:00:00	0	30.802	15.7	1956.9
2/20/2018	11:15:00	0	30.821	15.7	1956.9
2/20/2018	11:30:00	0	30.841	15.6	1960.2
2/20/2018	11:45:00	0	30.827	15.6	1960.2
2/20/2018	12:00:00	0	30.849	15.7	1956.9
2/20/2018	12:15:00	0	30.876	15.7	1956.9
2/20/2018	12:30:00	0	30.881	15.7	1959.3
2/20/2018	12:45:00	0	30.886	15.7	1959.3
2/20/2018	13:00:00	0	30.895	15.7	1959.3
2/20/2018	13:15:00	0	30.886	15.7	1959.3
2/20/2018	13:30:00	0	30.909	15.7	1956.9
2/20/2018	13:45:00	0	30.895	15.7	1956.9
2/20/2018	14:00:00	0	30.929	15.7	1956.9
2/20/2018	14:15:00	0	30.889	15.7	1959.3
2/20/2018	14:30:00	0	30.908	15.7	1956.9
2/20/2018	14:45:00	0	30.867	15.7	1956.9
2/20/2018	15:00:00	0	30.911	15.7	1959.3
2/20/2018	15:15:00	0	30.894	15.7	1959.3
2/20/2018	15:30:00	0	30.895	15.7	1959.3
2/20/2018	15:45:00	0	30.878	15.7	1959.3
2/20/2018	16:00:00	0	30.86	15.7	1959.3
2/20/2018	16:15:00	0	30.904	15.7	1956.9
2/20/2018	16:30:00	0	30.903	15.7	1959.3
2/20/2018	16:45:00	0	30.864	15.7	1956.9

2/20/2018	17:00:00	0	30.861	15.7	1959.3
2/20/2018	17:15:00	0	30.864	15.7	1956.9
2/20/2018	17:30:00	0	30.922	15.6	1960.2
2/20/2018	17:45:00	0	30.842	15.7	1959.3
2/20/2018	18:00:00	0	30.903	15.7	1959.3
2/20/2018	18:15:00	0	30.904	15.7	1959.3
2/20/2018	18:30:00	0	30.903	15.7	1956.9
2/20/2018	18:45:00	0	30.892	15.7	1956.9
2/20/2018	19:00:00	0	30.904	15.7	1956.9
2/20/2018	19:15:00	0	30.923	15.7	1956.9
2/20/2018	19:30:00	0	30.84	15.7	1956.9
2/20/2018	19:45:00	0	30.878	15.7	1956.9
2/20/2018	20:00:00	0	30.836	15.7	1956.9
2/20/2018	20:15:00	0	30.888	15.6	1960.2
2/20/2018	20:30:00	0	30.865	15.6	1960.2
2/20/2018	20:45:00	0	30.862	15.6	1959
2/20/2018	21:00:00	0	30.922	15.7	1959.3
2/20/2018	21:15:00	0	30.842	15.7	1956.9
2/20/2018	21:30:00	0	30.847	15.7	1959.3
2/20/2018	21:45:00	0	30.849	15.7	1956.9
2/20/2018	22:00:00	0	30.891	15.7	1956.9
2/20/2018	22:15:00	0	30.831	15.7	1956.9
2/20/2018	22:30:00	0	30.898	15.7	1959.3
2/20/2018	22:45:00	0	30.878	15.7	1959.3
2/20/2018	23:00:00	0	30.878	15.7	1956.9
2/20/2018	23:15:00	0	30.903	15.7	1959.3
2/20/2018	23:30:00	0	30.904	15.7	1959.3
2/20/2018	23:45:00	0	30.889	15.7	1956.9
2/21/2018	0:00:00	0	30.874	15.7	1956.9
2/21/2018	0:15:00	0	30.875	15.7	1959.3
2/21/2018	0:30:00	0	30.897	15.7	1956.9
2/21/2018	0:45:00	0	30.881	15.7	1959.3
2/21/2018	1:00:00	0	30.904	15.7	1959.3
2/21/2018	1:15:00	0	30.888	15.7	1956.9
2/21/2018	1:30:00	0	30.897	15.7	1959.3
2/21/2018	1:45:00	0	30.919	15.7	1956.9
2/21/2018	2:00:00	0	30.883	15.7	1959.3
2/21/2018	2:15:00	0	30.903	15.7	1959.3
2/21/2018	2:30:00	0	30.922	15.7	1956.9
2/21/2018	2:45:00	0	30.883	15.7	1959.3
2/21/2018	3:00:00	0	30.909	15.7	1959.3
2/21/2018	3:15:00	0	30.88	15.7	1959.3
2/21/2018	3:30:00	0	30.941	15.7	1956.9
2/21/2018	3:45:00	0	30.902	15.7	1959.3
2/21/2018	4:00:00	0	30.902	15.7	1959.3
2/21/2018	4:15:00	0	30.913	15.7	1959.3
2/21/2018	4:30:00	0	30.95	15.7	1956.9

2/21/2018	4:45:00	0	30.886	15.7	1956.9
2/21/2018	5:00:00	0	30.88	15.7	1956.9
2/21/2018	5:15:00	0	30.917	15.7	1956.9
2/21/2018	5:30:00	0	30.892	15.7	1956.9
2/21/2018	5:45:00	0	30.931	15.7	1956.9
2/21/2018	6:00:00	0	30.935	15.7	1956.9
2/21/2018	6:15:00	0	30.859	15.7	1956.9
2/21/2018	6:30:00	0	30.896	15.7	1959.3
2/21/2018	6:45:00	0	30.889	15.7	1956.9
2/21/2018	7:00:00	0	30.865	15.6	1960.2
2/21/2018	7:15:00	0	30.839	15.7	1956.9
2/21/2018	7:30:00	0	30.896	15.7	1959.3
2/21/2018	7:45:00	0	30.854	15.7	1956.9
2/21/2018	8:00:00	0	30.848	15.7	1956.9
2/21/2018	8:15:00	0	30.867	15.7	1956.9
2/21/2018	8:30:00	0	30.885	15.7	1956.9
2/21/2018	8:45:00	0	30.902	15.7	1956.9
2/21/2018	9:00:00	0	30.857	15.7	1956.9
2/21/2018	9:15:00	0	30.816	15.7	1956.9
2/21/2018	9:30:00	0	30.835	15.7	1956.9
2/21/2018	9:45:00	0	30.896	15.7	1956.9
2/21/2018	10:00:00	0	30.894	15.7	1956.9
2/21/2018	10:15:00	0	30.851	15.7	1956.9
2/21/2018	10:30:00	0	30.867	15.7	1956.9
2/21/2018	10:45:00	0	30.871	15.7	1956.9
2/21/2018	11:00:00	0	30.869	15.7	1959.3
2/21/2018	11:15:00	0	30.871	15.7	1956.9
2/21/2018	11:30:00	0	30.933	15.7	1956.9
2/21/2018	11:45:00	0	30.84	15.7	1956.9
2/21/2018	12:00:00	0	30.866	15.7	1959.3
2/21/2018	12:15:00	0	30.833	15.7	1956.9
2/21/2018	12:30:00	0	30.933	15.7	1956.9
2/21/2018	12:45:00	0	30.913	15.7	1959.3
2/21/2018	13:00:00	0	30.879	15.7	1959.3
2/21/2018	13:15:00	0	30.861	15.7	1959.3
2/21/2018	13:30:00	0	30.885	15.7	1959.3
2/21/2018	13:45:00	0	30.873	15.7	1956.9
2/21/2018	14:00:00	0	30.895	15.7	1956.9
2/21/2018	14:15:00	0	30.898	15.7	1956.9
2/21/2018	14:30:00	0	30.858	15.7	1956.9
2/21/2018	14:45:00	0	30.914	15.7	1959.3
2/21/2018	15:00:00	0	30.908	15.7	1959.3
2/21/2018	15:15:00	0	30.866	15.7	1956.9
2/21/2018	15:30:00	0	30.868	15.7	1956.9
2/21/2018	15:45:00	0	30.848	15.7	1956.9
2/21/2018	16:00:00	0	30.894	15.6	1960.2
2/21/2018	16:15:00	0	30.893	15.7	1956.9

2/21/2018	16:30:00	0	30.881	15.7	1956.9
2/21/2018	16:45:00	0	30.926	15.7	1956.9
2/21/2018	17:00:00	0	30.888	15.7	1959.3
2/21/2018	17:15:00	0	30.869	15.7	1959.3
2/21/2018	17:30:00	0	30.907	15.7	1956.9
2/21/2018	17:45:00	0	30.902	15.7	1956.9
2/21/2018	18:00:00	0	30.852	15.7	1956.9
2/21/2018	18:15:00	0	30.888	15.7	1956.9
2/21/2018	18:30:00	0	30.869	15.7	1956.9
2/21/2018	18:45:00	0	30.868	15.7	1956.9
2/21/2018	19:00:00	0	30.889	15.7	1956.9
2/21/2018	19:15:00	0	30.868	15.6	1960.2
2/21/2018	19:30:00	0	30.845	15.7	1956.9
2/21/2018	19:45:00	0	30.884	15.7	1956.9
2/21/2018	20:00:00	0	30.856	15.7	1956.9
2/21/2018	20:15:00	0	30.856	15.7	1956.9
2/21/2018	20:30:00	0	30.87	15.7	1956.9
2/21/2018	20:45:00	0	30.825	15.7	1956.9
2/21/2018	21:00:00	0	30.843	15.7	1956.9
2/21/2018	21:15:00	0	30.858	15.7	1956.9
2/21/2018	21:30:00	0	30.862	15.7	1959.3
2/21/2018	21:45:00	0	30.824	15.7	1959.3
2/21/2018	22:00:00	0	30.925	15.7	1956.9
2/21/2018	22:15:00	0	30.885	15.7	1959.3
2/21/2018	22:30:00	0	30.847	15.7	1956.9
2/21/2018	22:45:00	0	30.862	15.7	1956.9
2/21/2018	23:00:00	0	30.821	15.7	1959.3
2/21/2018	23:15:00	0	30.875	15.7	1956.9
2/21/2018	23:30:00	0	30.853	15.7	1956.9
2/21/2018	23:45:00	0	30.851	15.6	1960.2

Report Date: 2/23/2018 14:44
Report User Name: Avariakaltama
Report Computer Name: WKST34
Application: WinSkus.exe
Application Version: 5.6.25.0

Log File Properties
File Name: MPSPWP MW-6M(L) LT Test-2018-02-22_10-31-30-698-BaroMerge.wsl
Create Date: 2/23/2018 14:43

Device Properties
Device: Aqua TROLL 200
Site: MPSPWP MW-6M(L)
Device Name:
Serial Number: 483472
Firmware Version: 2.01
Hardware Version: 1
Device Address: 1
Device Comm Cfg: 15020 8 Even 1 (Modbus-RTU)
Used Memory: 0
Used Battery: 3

Log Configuration
Log Name: MPSPWP MW-6M(L) LT Test
Created By: WMassoll
Computer Name: PRODC02
Application: Wdtsite.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: Specific Gravity
Depth: 1.012

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: Avariakaltama Interval - Start Time: 3/16/2017 12:00:00 PM Stop Time: 3/23/2017 2:00:00 PM
3/30/2017 13:14 Log Download - Used Battery: 3% Used Memory: 4% User Name: Avariakaltama 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 9:45:00 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: Avariakaltama 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 AM
5/4/2017 10:12 Log Download - Used Battery: 5% Used Memory: 7% User Name: Avariakaltama 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: Avariakaltama 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: Avariakaltama 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: 3/31/2017 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: Avariakaltama 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: Avariakaltama 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: 8% Used Memory: 15% User Name: Avariakaltama 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 PM
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: Avariakaltama 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: Avariakaltama 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 8:30:00 AM
8/17/2017 10:57 Log Download - Used Battery: 11% Used Memory: 20% User Name: Avariakaltama 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: Avariakaltama 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: Avariakaltama 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: Avariakaltama 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: 12% 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: Avariakaltama Interval - Start Time: 10/4/2017 10:00:00 PM Stop Time: 10/12/2017 12:00:00 PM
10/19/2017 11:22 Log Download - Used Battery: 14% Used Memory: 28% User Name: Avariakaltama Interval - Start Time: 10/11/2017 10:00:00 PM Stop Time: 10/19/2017 12:15:00 PM
10/26/2017 10:11 Log Download - Used Battery: 14% Used Memory: 28% User Name: WMassoll Interval - Start Time: 10/18/2017 10:00:00 PM Stop Time: 10/26/2017 11:00:00 AM
11/2/2017 11:33 Log Download - Used Battery: 15% Used Memory: 29% User Name: WMassoll Interval - Start Time: 9/30/2017 10:00:00 PM Stop Time: 11/2/2017 12:15:00 PM
11/9/2017 12:43 Log Download - Used Battery: 15% Used Memory: 29% User Name: Avariakaltama Interval - Start Time: 11/1/2017 10:00:00 PM Stop Time: 11/9/2017 12:00:00 PM
11/16/2017 9:26 Log Download - Used Battery: 15% Used Memory: 31% User Name: WMassoll Interval - Start Time: 11/8/2017 10:00:00 PM Stop Time: 11/16/2017 9:15:00 AM
11/23/2017 13:11 Log Download - Used Battery: 16% Used Memory: 31% User Name: Avariakaltama Interval - Start Time: 11/15/2017 10:00:00 PM Stop Time: 11/23/2017 2:00:00 PM
12/1/2017 8:16 Log Download - Used Battery: 16% Used Memory: 32% User Name: Avariakaltama Interval - Start Time: 10/31/2017 10:00:00 PM Stop Time: 12/1/2017 7:00:00 PM
12/7/2017 9:20 Log Download - Used Battery: 16% Used Memory: 32% User Name: WMassoll Interval - Start Time: 11/29/2017 10:00:00 PM Stop Time: 12/7/2017 9:15:00 AM
12/14/2017 10:39 Log Download - Used Battery: 17% Used Memory: 34% User Name: WMassoll Interval - Start Time: 12/6/2017 10:00:00 PM Stop Time: 12/14/2017 10:30:00 AM
12/21/2017 7:44 Log Download - Used Battery: 17% Used Memory: 34% User Name: Avariakaltama Interval - Start Time: 12/13/2017 10:00:00 PM Stop Time: 12/21/2017 8:30:00 AM
1/4/2018 11:17 Log Download - Used Battery: 18% Used Memory: 35% User Name: WMassoll Interval - Start Time: 11/30/2017 10:00:00 PM Stop Time: 1/4/2018 12:15:00 PM
1/11/2018 11:01 Log Download - Used Battery: 18% Used Memory: 37% User Name: Avariakaltama Interval - Start Time: 12/18/2017 10:00:00 PM Stop Time: 1/11/2018 12:00:00 PM
1/18/2018 9:09 Log Download - Used Battery: 19% Used Memory: 39% User Name: WMassoll Interval - Start Time: 1/10/2018 10:00:00 PM Stop Time: 1/18/2018 9:00:00 AM
1/26/2018 9:27 Log Download - Used Battery: 19% Used Memory: 39% User Name: WMassoll Interval - Start Time: 1/17/2018 10:00:00 PM Stop Time: 1/26/2018 9:15:00 AM
2/1/2018 15:08 Log Download - Used Battery: 19% Used Memory: 40% User Name: WMassoll Interval - Start Time: 12/31/2017 10:00:00 PM Stop Time: 2/1/2018 10:00:00 AM
2/7/2018 9:31 Log Download - Used Battery: 20% Used Memory: 40% User Name: Avariakaltama Interval - Start Time: 1/31/2018 10:00:00 PM Stop Time: 2/8/2018 10:30:00 AM
2/13/2018 9:22 Log Download - Used Battery: 20% Used Memory: 42% User Name: Avariakaltama Interval - Start Time: 2/7/2018 10:00:00 PM Stop Time: 2/13/2018 10:15:00 AM
2/22/2018 10:29 Log Download - Used Battery: 21% Used Memory: 42% User Name: WMassoll Interval - Start Time: 2/14/2018 10:00:00 PM Stop Time: 2/22/2018 10:15:00 AM
2/22/2018 10:30 Log Download - Used Battery: 21% Used Memory: 42% User Name: WMassoll Interval - Start Time: 2/14/2018 10:00:00 PM Stop Time: 2/22/2018 11:15:00 AM
2/23/2018 14:43 User Note: "Pressure & Level adjusted by bare data from: 'MPSPWP BaroMerge_2018-02-22_16-56-22-945.wsl'"

Log Data:

Record Count: 723
Sensors: 2
1 483472 PCTD 300 PSIA (200.7m/658.7ft)
2 0 Baro-Adjustment Calc

Time Zone: Pacific Standard Time

		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	
		SNR: 483472		SNR: 483472		SNR: 483472		SNR: 483472		SNR: 483472		SNR: 483472		SNR: 483472		SNR: 000000	
		Corrected		Corrected		Corrected		Corrected		Corrected		Corrected		Corrected		Corrected	
Date and Time	Elapsed Time Seconds	Pressure (PSI)	Temperature (C)	Depth (ft)	Actual Conductivity (uS)	Specific Conductivity (uS)	Salinity (PSU)	Total Dissolved Solids (ppt)	Resistivity (ohm-cm)	Water Density (g/cm3)	Barometric Pressure (PSI)						
2/15/2018 0:00	7200	117.878	20.398	268.681	4411.246	4836.318	2.622	3.289	226.693	1	14.831						
2/15/2018 0:15	8100	117.876	20.382	268.675	4408.972	4835.515	2.621	3.288	226.691	1	14.829						
2/15/2018 0:30	9000	117.862	20.413	268.644	4413.922	4837.81	2.623	3.29	226.556	1	14.831						
2/15/2018 0:45	9900	117.852	20.396	268.621	4412.429	4837.864	2.623	3.29	226.633	1	14.836						
2/15/2018 1:00	10800	117.848	20.413	268.613	4409.455	4836.904	2.621	3.288	226.795	1	14.835						
2/15/2018 1:15	11700	117.85	20.413	268.617	4411.934	4835.955	2.621	3.288	226.658	1	14.83						
2/15/2018 1:30	12600	117.841	20.415	268.596	4412.888	4836.458	2.622	3.289	226.608	1	14.829						
2/15/2018 1:45	13500	117.821	20.409	268.585	4411.908	4836.156	2.623	3.29	226.659	1	14.835						
2/15/2018 2:00	14400	117.824	20.406	268.557	4412.515	4836.997	2.622	3.289	226.627	1	14.835						
2/15/2018 2:15	15300	117.835	20.397	268.582	4412.999	4838.329	2.623	3.29	226.603	1	14.831						
2/15/2018 2:30	16200	117.834	20.409	268.556	4412.215	4836.155	2.623	3.29	226.644	1	14.83						
2/15/2018 2:45	17100	117.815	20.404	268.536	4411.406	4835.91	2.622	3.288	226.685	1	14.834						
2/15/2018 3:00	18000	117.832	20.406	268.576	4414.028	4838.582	2.623	3.29	226.55	1	14.826						
2/15/2018 3:15	18900	117.847	20.388	268.609	4411.689	4836.485	2.623	3.29	226.648	1	14.825						
2/15/2018 3:30	19800	117.872	20.388	268.666	4411.133	4837.205	2.622	3.289	226.699	1	14.831						
2/15/2018 3:45	20700	117.79	20.412	268.732	4413.971	4837.873	2.623	3.29	226.533	1	14.824						
2/15/2018 4:00	21600	117.842	20.405	268.626	4413.266	4837.729	2.623	3.29	226.594	1	14.823						
2/15/2018 4:15	22500	117.962	20.402	268.873	4412.286	4837.051	2.622	3.289	226.64	1	14.832						
2/15/2018 4:30	23400	117.986	20.42	268.927	4413.924	4837.025	2.622	3.289	226.556	1	14.825						
2/15/2018 4:45	24300	118.011	20.391	269.053	4412.616	4837.833	2.623	3.29	226.659	1	14.82						
2/15/2018 5:00	25200	118.066	20.414	269.11	4413.577	4837.308	2.622	3.289	226.574	1	14.825						
2/15/2018 5:15	26100	118.054	20.404	269.081	4411.934	4836.516	2.622	3.289	226.658	1	14.831						
2/15/2018 5:30	27000	118.09	20.401	269.163	4412.549	4836.17	2.622	3.289	226.679	1	14.824						
2/15/2018 5:45	27900	118.103	20.393	269.193	4413.619	4837.277	2.622	3.289	226.674	1	14.827						
2/15/2018 6:00	28800	118.117	20.403	269.225	4412.721	4837.432	2.622	3.289	226.618	1	14.832						
2/15/2018 6:15	29700	118.139	20.402	269.274	4413.575	4838.464	2.623	3.29	226.574	1	14.829						
2/15/2018 6:30	30600	118.145	20.409	269.305	4413.624	4838.155	2.623	3.29	226.615	1	14.837						
2/15/2018 6:45	31500	118.173	20.397	269.354	4412.73	4838.079	2.623	3.29	226.571	1	14.837						
2/15/2018 7:00	32400	118.181	20.392	269.372	4413.871	4839.708	2.624	3.291	226.559	1	14.844						
2/15/2018 7:15	33300	118.196	20.394	269.404	4412.769	4838.431	2.623	3.29	226.611	1	14.842						
2/15/2018 7:30	34200	118.202	20.386	269.419	4413.363	4837.731	2.623	3.29	226.687	1	14.846						
2/15/2018 7:45	35100	118.185	20.403	269.38	4414.772	4839.76	2.624	3.291	226.512	1	14.853						
2/15/2018 8:00	36000	118.163	20.401	269.453	4415.053	4839.589	2.624	3.291	226.498	1	14.849						
2/15/2018 8:15	36900	118.123	20.392	269.238	4412.381	4838.228	2.623	3.29	226.635	1	14.856						
2/15/2018 8:30	37800	118.102	20.383	269.192	4413.583	4840.465	2.624	3.292	226.573	1	14.854						

2/15/2018 8:45	38700	118.003	20.387	269.103	4412.664	4839.042	2.623	3.291	226.62	1	14.86
2/15/2018 8:50	38600	118.04	20.405	269.049	4412.258	4837.853	2.622	3.29	226.59	1	14.858
2/15/2018 9:15	40500	118.016	20.397	268.994	4412.706	4838.026	2.623	3.29	226.618	1	14.859
2/15/2018 9:30	41400	117.999	20.383	268.956	4412.988	4839.718	2.624	3.291	226.605	1	14.864
2/15/2018 9:45	42300	117.974	20.374	268.913	4412.958	4838.153	2.623	3.29	226.675	1	14.872
2/15/2018 10:00	43300	117.936	20.403	268.914	4413.854	4838.854	2.623	3.29	226.554	1	14.87
2/15/2018 10:15	44100	117.933	20.394	268.805	4412.994	4838.643	2.623	3.29	226.604	1	14.861
2/15/2018 10:30	45000	117.925	20.387	268.786	4414.451	4840.907	2.625	3.292	226.529	1	14.864
2/15/2018 10:45	45900	117.927	20.397	268.792	4415.563	4841.159	2.625	3.291	226.472	1	14.864
2/15/2018 11:00	46800	117.942	20.382	268.826	4413.577	4840.547	2.624	3.292	226.574	1	14.866
2/15/2018 11:15	47700	117.94	20.387	268.823	4413.393	4839.824	2.624	3.291	226.583	1	14.86
2/15/2018 11:30	48600	117.955	20.376	268.856	4412.389	4839.668	2.624	3.291	226.642	1	14.853
2/15/2018 11:45	49500	117.956	20.41	268.859	4415.972	4840.27	2.624	3.291	226.451	1	14.855
2/15/2018 12:00	50400	117.965	20.386	268.879	4414.67	4841.349	2.625	3.292	226.518	1	14.85
2/15/2018 12:15	51300	117.981	20.403	268.876	4413.383	4841.763	2.625	3.29	226.558	1	14.852
2/15/2018 12:30	52200	117.968	20.382	268.886	4413.332	4840.261	2.624	3.291	226.586	1	14.853
2/15/2018 12:45	53100	117.991	20.374	268.937	4412.4	4840.054	2.624	3.291	226.634	1	14.842
2/15/2018 13:00	54000	117.985	20.404	268.925	4415.236	4840.242	2.624	3.291	226.484	1	14.847
2/15/2018 13:15	54900	117.993	20.385	268.943	4414.503	4841.289	2.625	3.292	226.526	1	14.839
2/15/2018 13:30	55800	118	20.383	268.959	4413.033	4839.881	2.624	3.291	226.602	1	14.834
2/15/2018 13:45	56700	118	20.409	268.958	4417.125	4841.763	2.625	3.292	226.592	1	14.837
2/15/2018 14:00	57600	117.994	20.369	268.944	4413.467	4841.73	2.625	3.292	226.579	1	14.836
2/15/2018 14:15	58500	118.006	20.368	268.972	4414.69	4843.16	2.626	3.293	226.516	1	14.837
2/15/2018 14:30	59400	118.014	20.376	268.99	4413.228	4840.837	2.624	3.292	226.59	1	14.832
2/15/2018 14:45	60300	118.018	20.388	269	4414.263	4840.706	2.624	3.292	226.538	1	14.834
2/15/2018 15:00	61200	118.032	20.379	269.031	4413.026	4840.372	2.624	3.291	226.602	1	14.824
2/15/2018 15:15	62100	118.034	20.37	269.036	4413.099	4840.714	2.624	3.291	226.598	1	14.826
2/15/2018 15:30	63000	118.032	20.383	269.031	4413.458	4840.727	2.624	3.291	226.58	1	14.832
2/15/2018 15:45	63900	118.059	20.394	269.093	4414.42	4840.206	2.624	3.291	226.53	1	14.826
2/15/2018 16:00	64800	118.021	20.381	269.097	4415.339	4841.292	2.625	3.292	226.483	1	14.827
2/15/2018 16:15	65700	118.033	20.383	269.032	4413.342	4839.973	2.624	3.291	226.596	1	14.822
2/15/2018 16:30	66600	118.022	20.382	269.028	4413.229	4840.158	2.624	3.291	226.591	1	14.827
2/15/2018 16:45	67500	118.025	20.391	269.015	4414.813	4841	2.625	3.292	226.51	1	14.827
2/15/2018 17:00	68400	118.018	20.386	269	4414.788	4841.265	2.625	3.291	226.532	1	14.824
2/15/2018 17:15	69300	118.04	20.385	269.05	4413.981	4840.69	2.624	3.292	226.553	1	14.831
2/15/2018 17:30	70200	118.039	20.404	269.046	4417.906	4843.035	2.626	3.293	226.52	1	14.827
2/15/2018 17:45	71100	118.021	20.381	269.007	4413.843	4841.264	2.624	3.291	226.56	1	14.836
2/15/2018 18:00	72000	118.015	20.387	268.993	4415.789	4842.443	2.625	3.293	226.46	1	14.84
2/15/2018 18:15	72900	117.99	20.391	268.936	4414.828	4840.963	2.625	3.292	226.509	1	14.84
2/15/2018 18:30	73800	117.982	20.387	268.971	4415.117	4841.059	2.624	3.291	226.494	1	14.839
2/15/2018 18:45	74700	117.93	20.387	268.799	4415.792	4842.437	2.625	3.293	226.46	1	14.849
2/15/2018 19:00	75600	117.898	20.383	268.727	4414.927	4841.194	2.625	3.293	226.504	1	14.848
2/15/2018 19:15	76500	117.897	20.408	268.688	4413.219	4841.158	2.624	3.291	226.488	1	14.847
2/15/2018 19:30	77400	117.902	20.381	268.735	4414.545	4841.708	2.624	3.292	226.527	1	14.853
2/15/2018 19:45	78300	117.933	20.4	268.805	4416.245	4841.666	2.625	3.292	226.434	1	14.848
2/15/2018 20:00	79200	117.946	20.396	268.836	4414.788	4840.201	2.624	3.291	226.511	1	14.85
2/15/2018 20:15	80100	117.956	20.401	268.857	4417.211	4842.621	2.625	3.293	226.387	1	14.855
2/15/2018 20:30	81000	117.956	20.398	268.857	4417.266	4842.973	2.626	3.293	226.384	1	14.864
2/15/2018 20:45	81900	117.951	20.392	268.829	4416.524	4843.235	2.624	3.291	226.402	1	14.859
2/15/2018 21:00	82800	117.984	20.412	268.922	4418.785	4843.203	2.626	3.293	226.307	1	14.865
2/15/2018 21:15	83700	117.993	20.383	268.943	4413.822	4840.676	2.624	3.292	226.561	1	14.867
2/15/2018 21:30	84600	117.964	20.387	268.876	4417.945	4843.208	2.626	3.293	226.35	1	14.865
2/15/2018 21:45	85500	117.931	20.408	268.825	4416.611	4843.208	2.624	3.292	226.438	1	14.869
2/15/2018 22:00	86400	117.922	20.405	268.738	4418.346	4843.42	2.626	3.292	226.329	1	14.869
2/15/2018 22:15	87300	117.889	20.396	268.705	4417.628	4843.537	2.626	3.294	226.366	1	14.872
2/15/2018 22:30	88200	117.883	20.391	268.692	4415.253	4843.106	2.625	3.292	226.49	1	14.87
2/15/2018 22:45	89100	117.876	20.397	268.676	4416.512	4842.181	2.626	3.293	226.423	1	14.872
2/15/2018 23:00	90000	117.877	20.41	268.677	4417.354	4843.837	2.625	3.292	226.38	1	14.872
2/15/2018 23:15	90900	117.881	20.41	268.693	4416.315	4843.741	2.626	3.293	226.29	1	14.877
2/15/2018 23:30	91800	117.825	20.402	268.559	4416.094	4843.92	2.625	3.293	226.414	1	14.877
2/15/2018 23:45	92700	117.824	20.402	268.557	4418.038	4843.411	2.626	3.294	226.345	1	14.873
2/16/2018 0:00	93600	117.819	20.402	268.545	4416.412	4843.585	2.625	3.293	226.374	1	14.874
2/16/2018 0:15	94500	117.812	20.4	268.464	4416.744	4842.143	2.625	3.293	226.411	1	14.869
2/16/2018 0:30	95400	117.795	20.401	268.491	4417.038	4842.426	2.625	3.293	226.397	1	14.871
2/16/2018 0:45	96300	117.791	20.387	268.482	4417.491	4842.801	2.626	3.293	226.373	1	14.873
2/16/2018 1:00	97200	117.785	20.388	268.468	4416.641	4842.61	2.626	3.293	226.416	1	14.865
2/16/2018 1:15	98100	117.813	20.403	268.533	4417.241	4842.405	2.625	3.293	226.386	1	14.864
2/16/2018 1:30	99000	117.792	20.4	268.463	4416.112	4842.959	2.626	3.293	226.423	1	14.868
2/16/2018 1:45	99900	117.796	20.4	268.492	4418.105	4843.653	2.626	3.294	226.341	1	14.87
2/16/2018 2:00	100800	117.781	20.405	268.458	4417.947	4842.984	2.626	3.293	226.349	1	14.87
2/16/2018 2:15	101700	117.799	20.387	268.488	4418.221	4843.259	2.626	3.293	226.37	1	14.865
2/16/2018 2:30	102600	117.825	20.373	268.56	4415.233	4843.233	2.626	3.293	226.489	1	14.858
2/16/2018 2:45	103500	117.86	20.383	268.639	4418.152	4845.468	2.627	3.295	226.339	1	14.859
2/16/2018 3:00	104400	117.875	20.403	268.673	4418.436	4845.054	2.627	3.295	226.317	1	14.859
2/16/2018 3:15	105300	117.911	20.404	268.755	4418.436	4843.608	2.626	3.294	226.324	1	14.853
2/16/2018 3:30	106200	117.93	20.387	268.799	4417.474	4844.3	2.626	3.294	226.374	1	14.856
2/16/2018 3:45	107100	117.967	20.397	268.884	4419.214	4845.225	2.627	3.295	226.248	1	14.868
2/16/2018 4:00	108000	117.971	20.384	268.905	4418.231	4845.44	2.627	3.295	226.335	1	14.841
2/16/2018 4:15	108900	117.965	20.404	268.879	4420.838	4846.269	2.628	3.295	226.201	1	14.847
2/16/2018 4:30	109800	117.954	20.38	268.873	4419.683	4846.062	2.626	3.294	226.418	1	14.844
2/16/2018 4:45	110700	117.936	20.401	268.814	4419.854	4846.29	2.627	3.295	226.354	1	14.846
2/16/2018 5:00	111600	117.912	20.399	268.778	4418.768	4844.477	2.627	3.294	226.307	1	14.854
2/16/2018 5:15	112500	117.918	20.406	268.752	4418.575	4844.619	2.626	3.294	226.317	1	14.838
2/16/2018 5:30	113400	117.944	20.396	268.851	4419.421	4845.313	2.626	3.295	226.239	1	14.839
2/16/2018 5:45	114300	117.91	20.404	268.752	4421.5	4846.984	2.628	3.296	226.168	1	14.844
2/16/2018 6:00	115200	117.926	20.413	268.873	4419.538	4846.895	2.626	3.294	226.268	1	14.

2/17/2018 2:30	189000	117.326	20.406	267.423	4424.64	4850.275	2.63	3.298	226.007	1	14.813
2/17/2018 2:45	189800	117.336	20.39	267.482	4422.286	4848.247	2.629	3.297	226.13	1	14.814
2/17/2018 3:00	190800	117.355	20.38	267.487	4424.692	4849.989	2.629	3.298	226.395	1	14.811
2/17/2018 3:15	191700	117.365	20.403	267.511	4423.875	4849.642	2.63	3.298	226.046	1	14.816
2/17/2018 3:30	192600	117.416	20.407	267.628	4425.888	4851.369	2.63	3.299	225.945	1	14.811
2/17/2018 3:45	193500	117.456	20.401	267.719	4427.989	4853.988	2.63	3.298	226.04	1	14.815
2/17/2018 4:00	194400	117.495	20.397	267.807	4423.413	4849.843	2.631	3.298	226.07	1	14.811
2/17/2018 4:15	195300	117.528	20.395	267.884	4424.379	4851.011	2.63	3.299	226.02	1	14.801
2/17/2018 4:30	196200	117.577	20.4	267.995	4425.542	4852.541	2.629	3.299	226.084	1	14.804
2/17/2018 4:45	197100	117.591	20.399	268.027	4425.461	4851.814	2.631	3.299	225.965	1	14.8
2/17/2018 5:00	198000	117.636	20.391	268.129	4424.249	4851.356	2.63	3.299	226.027	1	14.798
2/17/2018 5:15	198900	117.657	20.399	268.177	4422.1	4850.284	2.631	3.298	226.131	1	14.792
2/17/2018 5:30	199800	117.678	20.381	268.233	4423.743	4851.759	2.631	3.299	226.033	1	14.798
2/17/2018 5:45	200700	117.696	20.381	268.265	4423.245	4851.223	2.63	3.299	226.078	1	14.796
2/17/2018 6:00	201600	117.715	20.399	268.309	4424.605	4850.496	2.63	3.298	226.009	1	14.8
2/17/2018 6:15	202500	117.749	20.388	268.386	4423.493	4849.773	2.63	3.298	226.066	1	14.796
2/17/2018 6:30	203400	117.771	20.383	268.436	4422.335	4850.018	2.63	3.298	226.125	1	14.79
2/17/2018 6:45	204300	117.789	20.399	268.636	4424.754	4851.175	2.63	3.299	226.001	1	14.808
2/17/2018 7:00	205200	117.802	20.392	268.508	4426.91	4854.185	2.632	3.301	225.891	1	14.801
2/17/2018 7:15	206100	117.855	20.379	268.627	4422.598	4850.744	2.63	3.299	226.111	1	14.803
2/17/2018 7:30	207000	117.825	20.407	268.559	4427.766	4853.578	2.632	3.3	225.848	1	14.8
2/17/2018 7:45	207900	117.839	20.387	268.592	4424.636	4852.136	2.631	3.299	226.007	1	14.805
2/17/2018 8:00	208800	117.854	20.392	268.625	4423.405	4850.271	2.63	3.298	226.07	1	14.81
2/17/2018 8:15	209700	117.859	20.398	268.636	4424.754	4851.175	2.63	3.299	226.001	1	14.808
2/17/2018 8:30	210600	117.855	20.401	268.627	4424.707	4850.775	2.63	3.299	226.007	1	14.807
2/17/2018 8:45	211500	117.842	20.399	268.599	4424.755	4851.076	2.63	3.299	226.001	1	14.816
2/17/2018 9:00	212400	117.834	20.385	268.579	4424.723	4852.471	2.631	3.3	226.003	1	14.81
2/17/2018 9:15	213300	117.823	20.387	268.555	4425.186	4852.738	2.63	3.3	225.979	1	14.811
2/17/2018 9:30	214200	117.807	20.388	268.518	4426.579	4854.221	2.632	3.301	225.908	1	14.813
2/17/2018 9:45	215100	117.786	20.377	268.481	4425.461	4854.071	2.632	3.301	225.965	1	14.807
2/17/2018 10:00	216000	117.784	20.389	268.466	4425.945	4854.49	2.632	3.301	225.889	1	14.811
2/17/2018 10:15	216900	117.739	20.38	268.363	4425.867	4854.197	2.632	3.301	225.944	1	14.813
2/17/2018 10:30	217800	117.718	20.382	268.316	4425.716	4853.827	2.632	3.301	225.952	1	14.806
2/17/2018 10:45	218700	117.691	20.382	268.253	4424.504	4853.506	2.631	3.301	226.015	1	14.807
2/17/2018 11:00	219600	117.609	20.381	268.067	4424.594	4854.958	2.633	3.301	225.907	1	14.81
2/17/2018 11:15	220500	117.578	20.372	267.996	4423.8	4852.747	2.631	3.3	226.05	1	14.805
2/17/2018 11:30	221400	117.544	20.384	267.923	4425.308	4854.073	2.632	3.301	225.928	1	14.806
2/17/2018 11:45	222300	117.504	20.392	267.827	4428.104	4855.414	2.633	3.302	225.83	1	14.802
2/17/2018 12:00	223200	117.474	20.368	267.761	4426	4855.604	2.633	3.302	225.938	1	14.797
2/17/2018 12:15	224100	117.438	20.393	267.693	4426.311	4855.629	2.633	3.301	225.921	1	14.793
2/17/2018 12:30	225000	117.396	20.391	267.631	4426.311	4853.567	2.632	3.3	225.921	1	14.793
2/17/2018 12:45	225900	117.384	20.38	267.554	4424.633	4852.885	2.631	3.3	226.008	1	14.78
2/17/2018 13:00	226800	117.369	20.395	267.489	4428.008	4854.102	2.632	3.301	225.894	1	14.78
2/17/2018 13:15	227700	117.338	20.389	267.45	4426.222	4853.732	2.632	3.301	225.926	1	14.779
2/17/2018 13:30	228600	117.347	20.378	267.405	4425.235	4853.743	2.632	3.301	225.977	1	14.78
2/17/2018 13:45	229500	117.351	20.38	267.48	4425.744	4853.98	2.631	3.301	225.966	1	14.766
2/17/2018 14:00	230400	117.354	20.389	267.487	4428.124	4855.472	2.632	3.302	225.829	1	14.775
2/17/2018 14:15	231300	117.359	20.399	267.496	4427.857	4854.798	2.632	3.301	225.843	1	14.773
2/17/2018 14:30	232200	117.362	20.399	267.489	4427.808	4854.798	2.632	3.301	225.843	1	14.767
2/17/2018 14:45	233100	117.384	20.384	267.554	4425.942	4853.822	2.632	3.301	225.946	1	14.769
2/17/2018 15:00	234000	117.394	20.386	267.576	4426.387	4854.127	2.632	3.301	225.918	1	14.777
2/17/2018 15:15	234900	117.415	20.387	267.625	4427.482	4854.632	2.632	3.301	225.862	1	14.768
2/17/2018 15:30	235800	117.416	20.388	267.627	4426.006	4854.588	2.632	3.301	225.937	1	14.767
2/17/2018 15:45	236700	117.418	20.372	267.631	4425.544	4855.8	2.633	3.302	225.91	1	14.767
2/17/2018 16:00	237600	117.383	20.383	267.552	4427.267	4855.421	2.632	3.301	225.873	1	14.764
2/17/2018 16:15	238500	117.357	20.387	267.493	4427.641	4855.484	2.633	3.302	225.854	1	14.769
2/17/2018 16:30	239400	117.339	20.377	267.451	4427.933	4856.748	2.634	3.303	225.839	1	14.77
2/17/2018 16:45	240300	117.359	20.381	267.491	4428.431	4856.481	2.632	3.301	225.916	1	14.76
2/17/2018 17:00	241200	117.320	20.386	267.407	4428.387	4856.207	2.633	3.301	225.872	1	14.771
2/17/2018 17:15	242100	117.321	20.387	267.41	4428.471	4856.359	2.632	3.302	225.812	1	14.76
2/17/2018 17:30	243000	117.337	20.371	267.448	4427.947	4857.402	2.634	3.303	225.838	1	14.762
2/17/2018 17:45	243900	117.356	20.391	267.491	4428.104	4857.514	2.633	3.301	225.932	1	14.764
2/17/2018 18:00	244800	117.376	20.394	267.534	4429.284	4856.486	2.633	3.302	225.77	1	14.759
2/17/2018 18:15	245700	117.385	20.389	267.556	4428.811	4856.491	2.633	3.302	225.794	1	14.764
2/17/2018 18:30	246600	117.444	20.387	267.693	4428.811	4856.491	2.633	3.302	225.812	1	14.765
2/17/2018 18:45	247500	117.437	20.387	267.676	4428.438	4856.332	2.633	3.302	225.813	1	14.759
2/17/2018 19:00	248400	117.45	20.398	267.706	4430.053	4856.938	2.634	3.303	225.731	1	14.757
2/17/2018 19:15	249300	117.474	20.395	267.825	4427.59	4857.56	2.634	3.303	225.766	1	14.757
2/17/2018 19:30	250200	117.494	20.367	267.804	4427.425	4857.247	2.634	3.303	225.865	1	14.759
2/17/2018 19:45	251100	117.501	20.403	267.821	4431.697	4858.288	2.635	3.304	225.647	1	14.76
2/17/2018 20:00	252000	117.503	20.395	267.825	4428.612	4857.491	2.635	3.303	225.627	1	14.755
2/17/2018 20:15	252900	117.529	20.36	267.885	4426.296	4856.746	2.634	3.303	225.923	1	14.754
2/17/2018 20:30	253800	117.55	20.385	267.933	4429.466	4857.655	2.634	3.303	225.761	1	14.752
2/17/2018 20:45	254700	117.553	20.39	267.939	4429.563	4858.479	2.634	3.303	225.786	1	14.755
2/17/2018 21:00	255600	117.567	20.379	267.971	4427.689	4856.346	2.633	3.302	225.851	1	14.752
2/17/2018 21:15	256500	117.566	20.376	267.97	4428.933	4858.025	2.634	3.303	225.787	1	14.751
2/17/2018 21:30	257400	117.567	20.38	267.976	4428.933	4858.025	2.634	3.303	225.787	1	14.751
2/17/2018 21:45	258300	117.527	20.385	267.926	4428.933	4858.025	2.634	3.303	225.787	1	14.751
2/17/2018 22:00	259200	117.493	20.386	267.804	4428.746	4856.778	2.634	3.303	225.798	1	14.751
2/17/2018 22:15	260100	117.478	20.38	267.768	4428.758	4857.358	2.634	3.303	225.797	1	14.748
2/17/2018 22:30	261000	117.474	20.377	267.76	4428.67	4857.865	2.634	3.303	225.788	1	14.746
2/17/2018 22:45	261900	117.442	20.387	267.687	4430.992	4859.159	2.635	3.304	225.681	1	14.751
2/17/2018 23:00	262800	117.422	20.399	267.641	4430.46	4857.314	2.635	3.303	225.71	1	14.752
2/17/2018 23:15	263700	117.42	20.402	267.636	4431.259	4857.478	2.634	3.303	225.667	1	14.75
2/17/2018 23:30	264600	117.394	20.408	267.587	4432.187	4858.264	2.635	3.304	225.622	1	14.755
2/17/2018 23:45	265500	117.389	20.399	267.566							

2/18/2018 20:15	339900	118.085	20.401	269.151	4444.27	4872.268	2.643	3.313	225.009	1	14.731
2/18/2018 20:30	340200	118.071	20.39	269.119	4441.453	4870.906	2.641	3.312	225.133	1	14.722
2/18/2018 20:45	341100	118.057	20.395	268.952	4442.529	4870.956	2.642	3.312	225.097	1	14.73
2/18/2018 21:00	342000	118.005	20.387	268.97	4442.462	4871.728	2.642	3.313	225.1	1	14.731
2/18/2018 21:15	342900	117.964	20.396	268.877	4445.125	4871.73	2.643	3.314	224.969	1	14.729
2/18/2018 21:30	343800	117.951	20.401	268.847	4442.646	4870.433	2.642	3.312	225.091	1	14.73
2/18/2018 21:45	344700	117.927	20.403	268.793	4443.648	4871.398	2.642	3.313	225.04	1	14.733
2/18/2018 22:00	345600	117.922	20.399	268.78	4442.992	4871.054	2.642	3.312	225.074	1	14.734
2/18/2018 22:15	346500	117.903	20.399	268.737	4445.531	4871.841	2.643	3.314	224.945	1	14.736
2/18/2018 22:30	347400	117.874	20.393	268.613	4442.311	4870.968	2.642	3.312	225.108	1	14.736
2/18/2018 22:45	348300	117.862	20.392	268.644	4443.101	4871.538	2.642	3.313	225.008	1	14.732
2/18/2018 23:00	349200	117.856	20.411	268.605	4444.005	4871.642	2.642	3.312	225.022	1	14.73
2/18/2018 23:15	350100	117.859	20.4	268.638	4444.644	4872.765	2.643	3.313	224.99	1	14.727
2/18/2018 23:30	351000	117.84	20.4	268.594	4444.23	4872.338	2.643	3.313	225.011	1	14.734
2/18/2018 23:45	351900	117.841	20.399	268.596	4444.217	4872.39	2.643	3.313	225.004	1	14.729
2/19/2018 0:00	352800	117.805	20.4	268.513	4445.755	4874.028	2.644	3.314	224.934	1	14.738
2/19/2018 0:15	353700	117.81	20.406	268.526	4445.489	4873.122	2.643	3.314	224.947	1	14.732
2/19/2018 0:30	354600	117.808	20.402	268.52	4445.755	4872.77	2.642	3.316	224.934	1	14.738
2/19/2018 0:45	355500	117.804	20.392	268.511	4445.821	4874.913	2.644	3.315	224.93	1	14.736
2/19/2018 1:00	356400	117.797	20.4	268.495	4445.049	4873.166	2.643	3.314	224.969	1	14.735
2/19/2018 1:15	357300	117.792	20.411	268.485	4445.521	4874.824	2.644	3.315	224.848	1	14.734
2/19/2018 1:30	358200	117.782	20.401	268.461	4445.614	4873.767	2.643	3.314	224.941	1	14.733
2/19/2018 1:45	359100	117.778	20.379	268.453	4442.669	4872.741	2.643	3.313	225.09	1	14.739
2/19/2018 2:00	360000	117.775	20.413	268.446	4445.723	4872.665	2.643	3.313	224.938	1	14.732
2/19/2018 2:15	360900	117.786	20.394	268.471	4446.286	4875.128	2.644	3.315	224.907	1	14.738
2/19/2018 2:30	361800	117.794	20.394	268.488	4445.938	4874.844	2.644	3.315	224.924	1	14.733
2/19/2018 2:45	362700	117.807	20.384	268.517	4446.123	4875.999	2.645	3.316	224.916	1	14.733
2/19/2018 3:00	363600	117.834	20.387	268.579	4446.738	4876.108	2.644	3.315	224.92	1	14.732
2/19/2018 3:15	364500	117.865	20.396	268.65	4445.688	4874.13	2.644	3.315	224.887	1	14.722
2/19/2018 3:30	365400	117.894	20.39	268.717	4446.753	4876.047	2.645	3.316	224.934	1	14.725
2/19/2018 3:45	366300	117.931	20.399	268.801	4447.558	4876.021	2.645	3.316	224.843	1	14.726
2/19/2018 4:00	367200	117.954	20.395	268.853	4445.029	4873.737	2.643	3.314	224.969	1	14.728
2/19/2018 4:15	368100	117.983	20.394	268.893	4445.664	4874.465	2.644	3.315	224.938	1	14.724
2/19/2018 4:30	369000	118.006	20.392	268.973	4446.402	4876.959	2.645	3.316	224.915	1	14.727
2/19/2018 4:45	369900	118.042	20.401	269.054	4448.077	4876.405	2.645	3.316	224.816	1	14.726
2/19/2018 5:00	370800	118.072	20.394	269.122	4448.028	4876.899	2.644	3.315	224.92	1	14.719
2/19/2018 5:15	371700	118.057	20.393	269.088	4446.868	4876.141	2.644	3.316	224.977	1	14.722
2/19/2018 5:30	372600	118.064	20.392	269.104	4446.593	4875.741	2.645	3.316	224.891	1	14.723
2/19/2018 5:45	373500	118.05	20.379	269.072	4446.013	4876.399	2.645	3.316	224.921	1	14.723
2/19/2018 6:00	374400	118.036	20.381	269.04	4446.732	4877.102	2.646	3.317	224.832	1	14.725
2/19/2018 6:15	375300	118.031	20.402	269.029	4449.38	4877.78	2.645	3.316	224.75	1	14.73
2/19/2018 6:30	376200	118.048	20.403	269.069	4448.617	4878.6	2.645	3.316	224.789	1	14.726
2/19/2018 6:45	377100	118.071	20.397	269.123	4449.123	4879.647	2.646	3.317	224.736	1	14.735
2/19/2018 7:00	378000	118.094	20.398	269.172	4449.139	4877.308	2.646	3.317	224.723	1	14.722
2/19/2018 7:15	378900	118.115	20.38	269.222	4449.949	4877.936	2.646	3.317	224.873	1	14.723
2/19/2018 7:30	379800	118.126	20.393	269.245	4449.185	4878.245	2.645	3.317	224.735	1	14.736
2/19/2018 7:45	380700	118.159	20.398	269.324	4449.795	4878.662	2.646	3.317	224.729	1	14.721
2/19/2018 8:00	381600	118.147	20.388	269.292	4447.339	4876.925	2.645	3.316	224.854	1	14.731
2/19/2018 8:15	382500	118.128	20.392	269.272	4450.208	4879.136	2.647	3.317	224.704	1	14.737
2/19/2018 8:30	383400	118.109	20.386	269.207	4448.334	4879.212	2.646	3.317	224.803	1	14.743
2/19/2018 8:45	384300	118.095	20.389	269.175	4447.853	4877.427	2.646	3.317	224.828	1	14.742
2/19/2018 9:00	385200	118.108	20.408	269.148	4450.249	4878.952	2.646	3.317	224.681	1	14.74
2/19/2018 9:15	386100	118.061	20.401	269.097	4449.553	4879.05	2.646	3.317	224.744	1	14.743
2/19/2018 9:30	387000	118.036	20.387	269.041	4447.695	4877.404	2.646	3.317	224.836	1	14.747
2/19/2018 9:45	387900	118.017	20.389	268.997	4448.848	4878.564	2.646	3.317	224.772	1	14.734
2/19/2018 10:00	388800	117.998	20.386	268.95	4447.954	4877.822	2.646	3.317	224.82	1	14.755
2/19/2018 10:15	389700	117.973	20.399	268.896	4449.704	4878.412	2.646	3.317	224.734	1	14.752
2/19/2018 10:30	390600	117.961	20.4	268.87	4449.787	4878.377	2.646	3.317	224.73	1	14.754
2/19/2018 10:45	391500	117.955	20.381	268.81	4449.747	4878.347	2.646	3.317	224.731	1	14.749
2/19/2018 11:00	392400	117.921	20.396	268.646	4449.646	4878.633	2.646	3.317	224.737	1	14.749
2/19/2018 11:15	393300	117.918	20.397	268.766	4450.475	4879.453	2.647	3.318	224.695	1	14.748
2/19/2018 11:30	394200	117.898	20.392	268.725	4449.617	4879.034	2.646	3.317	224.737	1	14.753
2/19/2018 11:45	395100	117.896	20.388	268.799	4448.799	4878.526	2.647	3.317	224.78	1	14.755
2/19/2018 12:00	396000	117.912	20.402	268.758	4452.664	4881.361	2.648	3.319	224.585	1	14.752
2/19/2018 12:15	396900	117.933	20.386	268.805	4453.553	4881.148	2.647	3.319	224.67	1	14.757
2/19/2018 12:30	397800	117.933	20.386	268.806	4450.209	4880.332	2.647	3.319	224.709	1	14.752
2/19/2018 12:45	398700	117.94	20.394	268.822	4449.621	4878.793	2.646	3.318	224.738	1	14.74
2/19/2018 13:00	399600	117.959	20.392	268.808	4450.259	4879.051	2.646	3.319	224.651	1	14.747
2/19/2018 13:15	400500	117.954	20.392	268.83	4451.32	4880.925	2.648	3.319	224.652	1	14.746
2/19/2018 13:30	401400	117.965	20.375	268.879	4449.28	4880.366	2.647	3.319	224.755	1	14.745
2/19/2018 13:45	402300	117.981	20.386	268.915	4452.564	4881.806	2.648	3.32	224.59	1	14.754
2/19/2018 14:00	403200	117.981	20.386	268.915	4452.009	4882.233	2.648	3.32	224.618	1	14.738
2/19/2018 14:15	404100	117.984	20.379	268.923	4450.358	4881.128	2.648	3.319	224.701	1	14.737
2/19/2018 14:30	405000	118.007	20.383	268.975	4450.715	4881.448	2.648	3.319	224.683	1	14.735
2/19/2018 14:45	405900	118.001	20.372	268.96	4450.432	4881.987	2.648	3.32	224.697	1	14.741
2/19/2018 15:00	406800	118.009	20.387	268.951	4451.935	4882.029	2.648	3.32	224.621	1	14.744
2/19/2018 15:15	407700	118.033	20.38	269.011	4451.484	4882.351	2.648	3.32	224.648	1	14.738
2/19/2018 15:30	408600	118.015	20.394	268.994	4451.893	4881.285	2.648	3.319	224.624	1	14.742
2/19/2018 15:45	409500	118.035	20.397	269.038	4452.83	4882.079	2.648	3.32	224.576	1	14.742
2/19/2018 16:00	410400	118.041	20.39	269.053	4452.813	4882.312	2.648	3.32	224.577	1	14.743
2/19/2018 16:15	411300	118.051	20.391	269.072	4452.498	4882.279	2.648	3.32	224.593	1	14.743
2/19/2018 16:30	412200	118.039	20.395	269.046	4452.771	4882.176	2.648	3.32	224.579	1	14.747
2/19/2018 16:45	413100	118.03	20.387	269.027	4453.404	4881.479	2.648	3.319	224.648	1	14.744
2/19/2018 17:00	414000	118.02	20.392	268.979	4453.709	4881.249	2.648	3.32	224.532	1	14.745
2/19/2018 17:15	414900	117.992	20.379	268.941	4450.691	4881.539	2.648	3.319	224.684	1	14.746
2/19/2018 17:30	415800	117.968	20.412	26							

2/20/2018 14:00	489600	117.566	20.396	267.97	4459.374	4889.372	2.652	3.325	224.247	1	14.832
2/20/2018 14:15	495200	117.569	20.382	267.976	4459.371	4889.793	2.652	3.325	224.282	1	14.827
2/20/2018 14:30	493400	117.544	20.395	267.969	4459.477	4889.671	2.652	3.325	224.241	1	14.833
2/20/2018 14:45	492300	117.534	20.395	267.896	4458.561	4888.515	2.652	3.324	224.288	1	14.833
2/20/2018 15:00	495200	117.528	20.395	267.883	4458.583	4888.534	2.652	3.324	224.282	1	14.832
2/20/2018 15:15	494100	117.544	20.397	267.91	4458.869	4889.048	2.652	3.325	224.273	1	14.827
2/20/2018 15:30	495000	117.525	20.389	267.875	4459.648	4890.37	2.653	3.325	224.233	1	14.833
2/20/2018 15:45	499900	117.527	20.384	267.88	4460.287	4891.535	2.654	3.326	224.201	1	14.833
2/20/2018 16:00	496800	117.534	20.394	267.875	4459.955	4890.178	2.653	3.325	224.217	1	14.835
2/20/2018 16:15	497700	117.54	20.38	267.911	4459.267	4890.881	2.653	3.326	224.252	1	14.834
2/20/2018 16:30	498600	117.559	20.374	267.952	4458.354	4890.437	2.653	3.325	224.298	1	14.831
2/20/2018 16:45	499500	117.562	20.397	267.961	4461.008	4891.038	2.653	3.326	224.165	1	14.822
2/20/2018 17:00	500400	117.576	20.383	267.992	4459.557	4890.824	2.653	3.326	224.238	1	14.834
2/20/2018 17:15	501300	117.597	20.383	268.039	4459.408	4890.688	2.653	3.326	224.245	1	14.827
2/20/2018 17:30	502200	117.586	20.385	268.014	4460.718	4891.946	2.654	3.327	224.179	1	14.832
2/20/2018 17:45	503100	117.611	20.385	268.072	4462.809	4894.176	2.655	3.328	224.074	1	14.829
2/20/2018 18:00	504000	117.605	20.401	268.057	4459.433	4888.908	2.652	3.324	224.244	1	14.836
2/20/2018 18:15	504900	117.621	20.399	268.094	4460.112	4890.663	2.653	3.326	224.21	1	14.828
2/20/2018 18:30	505800	117.649	20.375	268.159	4459.2	4891.283	2.654	3.326	224.255	1	14.83
2/20/2018 18:45	506700	117.638	20.404	268.133	4461.158	4890.455	2.653	3.326	224.157	1	14.829
2/20/2018 19:00	507600	117.68	20.391	268.229	4459.223	4889.817	2.653	3.325	224.249	1	14.822
2/20/2018 19:15	508500	117.661	20.397	268.185	4460.817	4890.829	2.653	3.326	224.174	1	14.826
2/20/2018 19:30	509400	117.694	20.401	268.26	4461.116	4890.68	2.653	3.326	224.159	1	14.835
2/20/2018 19:45	510300	117.691	20.399	268.255	4460.627	4890.342	2.653	3.325	224.184	1	14.833
2/20/2018 20:00	511200	117.707	20.373	268.291	4459.026	4891.271	2.654	3.326	224.264	1	14.834
2/20/2018 20:15	512100	117.717	20.377	268.314	4460.121	4892.123	2.654	3.327	224.209	1	14.837
2/20/2018 20:30	513000	117.722	20.379	268.324	4461.078	4894.073	2.655	3.328	224.111	1	14.834
2/20/2018 20:45	513900	117.699	20.388	268.273	4460.875	4893.646	2.654	3.327	224.171	1	14.843
2/20/2018 21:00	514800	117.679	20.368	268.227	4459.482	4892.555	2.654	3.327	224.231	1	14.838
2/20/2018 21:15	515700	117.699	20.379	268.159	4459.215	4891.576	2.654	3.326	224.257	1	14.846
2/20/2018 21:30	516600	117.699	20.399	268.1	4461.365	4892.162	2.654	3.327	224.147	1	14.833
2/20/2018 21:45	517500	117.622	20.388	268.097	4460.345	4892.02	2.654	3.327	224.198	1	14.84
2/20/2018 22:00	518400	117.604	20.404	268.057	4461.953	4893.56	2.655	3.328	224.017	1	14.838
2/20/2018 22:15	519300	117.647	20.392	268.154	4460.144	4893.636	2.653	3.329	224.158	1	14.835
2/20/2018 22:30	520200	117.622	20.386	268.096	4461.041	4892.138	2.654	3.327	224.163	1	14.836
2/20/2018 22:45	521100	117.62	20.379	268.092	4459.636	4890.262	2.653	3.325	224.284	1	14.84
2/20/2018 23:00	522000	117.622	20.382	268.092	4461.722	4892.768	2.654	3.329	224.129	1	14.837
2/20/2018 23:15	522900	117.615	20.37	268.081	4459.864	4892.504	2.654	3.327	224.222	1	14.842
2/20/2018 23:30	523800	117.596	20.398	268.037	4462.078	4892.058	2.654	3.327	224.111	1	14.838
2/20/2018 23:45	524700	117.579	20.397	267.989	4460.763	4891.909	2.653	3.329	224.178	1	14.833
2/21/2018 0:00	525600	117.553	20.393	267.934	4462.02	4892.567	2.654	3.327	224.113	1	14.829
2/21/2018 0:15	526500	117.549	20.4	267.93	4461.83	4891.63	2.654	3.326	224.123	1	14.83
2/21/2018 0:30	527400	117.567	20.404	268.059	4461.269	4891.369	2.654	3.329	224.142	1	14.83
2/21/2018 0:45	528300	117.563	20.392	267.962	4463.422	4894.131	2.655	3.328	224.043	1	14.834
2/21/2018 1:00	529200	117.581	20.391	268.003	4462.41	4893.209	2.655	3.327	224.094	1	14.832
2/21/2018 1:15	530100	117.597	20.4	268.048	4463.04	4894.934	2.655	3.329	224.063	1	14.843
2/21/2018 1:30	531000	117.63	20.403	268.114	4462.186	4893.658	2.655	3.326	224.105	1	14.821
2/21/2018 1:45	531900	117.621	20.402	268.094	4463.289	4893.017	2.655	3.327	224.05	1	14.818
2/21/2018 2:00	532800	117.611	20.402	268.099	4464.069	4894.073	2.655	3.329	224.011	1	14.826
2/21/2018 2:15	533700	117.633	20.391	268.122	4462.667	4893.403	2.655	3.328	224.105	1	14.818
2/21/2018 2:30	534600	117.643	20.4	268.145	4464.036	4894.017	2.655	3.328	224.013	1	14.818
2/21/2018 2:45	535500	117.651	20.399	268.117	4465.217	4895.066	2.656	3.329	224.186	1	14.822
2/21/2018 3:00	536400	117.662	20.386	268.092	4462.161	4893.965	2.655	3.327	224.107	1	14.815
2/21/2018 3:15	537300	117.631	20.382	268.117	4461.904	4893.515	2.655	3.328	224.12	1	14.807
2/21/2018 3:30	538200	117.591	20.408	268.057	4462.978	4892.975	2.655	3.327	224.025	1	14.82
2/21/2018 3:45	539100	117.632	20.382	268.119	4462.062	4893.141	2.655	3.327	224.112	1	14.811
2/21/2018 4:00	540000	117.661	20.379	268.186	4462.908	4894.956	2.656	3.329	224.069	1	14.805
2/21/2018 4:15	540900	117.684	20.398	268.237	4464.077	4894.322	2.655	3.328	224.01	1	14.808
2/21/2018 4:30	541800	117.728	20.402	268.119	4465.212	4895.065	2.656	3.329	223.953	1	14.819
2/21/2018 4:45	542700	117.741	20.402	268.168	4464.608	4894.483	2.655	3.328	223.984	1	14.812
2/21/2018 5:00	543600	117.751	20.405	268.192	4464.069	4893.579	2.655	3.328	224.011	1	14.82
2/21/2018 5:15	544500	117.783	20.405	268.464	4465.575	4894.783	2.656	3.329	223.986	1	14.823
2/21/2018 5:30	545400	117.814	20.412	268.535	4466.615	4895.629	2.656	3.329	223.883	1	14.82
2/21/2018 5:45	546300	117.827	20.408	268.564	4465.612	4893.176	2.655	3.327	224.034	1	14.821
2/21/2018 6:00	547200	117.858	20.394	268.615	4466.615	4894.054	2.656	3.329	223.924	1	14.822
2/21/2018 6:15	548100	117.883	20.392	268.691	4462.916	4893.667	2.655	3.328	224.069	1	14.82
2/21/2018 6:30	549000	117.895	20.385	268.718	4462.891	4894.32	2.655	3.328	224.07	1	14.816
2/21/2018 6:45	549900	117.922	20.377	268.868	4465.412	4895.708	2.656	3.329	223.943	1	14.823
2/21/2018 7:00	550800	117.929	20.392	268.797	4465.661	4896.613	2.657	3.33	223.931	1	14.828
2/21/2018 7:15	551700	117.947	20.381	268.837	4462.883	4894.741	2.656	3.328	224.07	1	14.83
2/21/2018 7:30	552600	117.96	20.407	268.868	4465.612	4895.113	2.657	3.33	223.943	1	14.83
2/21/2018 7:45	553500	117.974	20.387	268.899	4467.121	4896.718	2.657	3.33	223.858	1	14.827
2/21/2018 8:00	554400	117.991	20.394	268.939	4465.347	4896.081	2.656	3.329	223.947	1	14.822
2/21/2018 8:15	555300	117.997	20.388	268.968	4465.348	4896.248	2.656	3.329	223.928	1	14.823
2/21/2018 8:30	556200	117.997	20.396	268.952	4466.317	4896.984	2.657	3.33	223.898	1	14.832
2/21/2018 8:45	557100	117.956	20.395	268.859	4466.308	4897.044	2.657	3.33	223.899	1	14.827
2/21/2018 9:00	558000	117.981	20.384	268.801	4467.137	4898.264	2.658	3.33	223.831	1	14.832
2/21/2018 9:15	558900	117.966	20.398	268.745	4467.61	4898.132	2.658	3.331	223.833	1	14.829
2/21/2018 9:30	559800	117.875	20.403	268.673	4466.582	4896.549	2.657	3.33	223.885	1	14.825
2/21/2018 9:45	560700	117.812	20.383	268.531	4465.948	4895.798	2.657	3.33	223.967	1	14.833
2/21/2018 10:00	561600	117.829	20.399	268.494	4466.549	4896.46	2.657	3.33	223.887	1	14.822
2/21/2018 10:15	562500	117.727	20.393	268.336	4466.482	4897.435	2.657	3.33	223.89	1	14.83
2/21/2018 10:30	563400	117.718	20.388	268.287	4467.104	4898.67	2.658	3.331	223.859	1	14.83
2/21/2018 10:45	564300	117.704	20.395	268.263	4465.081	4896.28	2.656	3.33	223.96	1	14.81
2/21/2018 11:00	565200	117.702	20.395	268.279	4465.534	4898.183	2.658	3.331	223.846	1	14.826
2/21/2018 11:15	566100	117.726	20.376</								

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2/15/2018 19:45	78300	60.175	16.86	138.943	138.943	1376.124	0.095	0.936	860.464	0.999	14.848
2/15/2018 20:00	79200	60.174	16.858	138.943	138.943	1376.617	0.095	0.936	860.815	0.999	14.85
2/15/2018 20:15	80100	60.176	16.858	138.944	138.959	1375.92	0.095	0.936	860.615	0.999	14.85
2/15/2018 20:30	81000	60.175	16.859	138.942	138.976	1375.707	0.095	0.935	860.744	0.999	14.864
2/15/2018 20:45	81900	60.176	16.86	138.944	138.994	1375.688	0.095	0.936	861.045	0.999	14.859
2/15/2018 21:00	82800	60.188	16.86	138.971	138.166	1377.3	0.096	0.937	859.722	0.999	14.865
2/15/2018 21:15	83700	60.194	16.861	138.986	138.193	1374.932	0.094	0.935	861.183	0.999	14.867
2/15/2018 21:30	84600	60.198	16.863	138.999	138.459	1377.674	0.096	0.937	859.506	0.999	14.869
2/15/2018 21:45	85500	60.198	16.863	138.996	138.265	1375.033	0.095	0.935	860.537	0.999	14.869
2/15/2018 22:00	86400	60.202	16.863	139.004	138.137	1375.041	0.095	0.935	861.077	0.999	14.869
2/15/2018 22:15	87300	60.206	16.86	139.004	138.29	1375.251	0.095	0.936	860.371	0.999	14.872
2/15/2018 22:30	88200	60.209	16.862	139.022	138.147	1377.495	0.096	0.937	859.685	0.999	14.87
2/15/2018 22:45	89100	60.209	16.859	139.021	138.078	1374.844	0.094	0.935	861.268	0.999	14.872
2/15/2018 23:00	90000	60.214	16.86	139.032	138.241	1375.549	0.095	0.936	860.185	0.999	14.874
2/15/2018 23:15	90900	60.218	16.862	139.042	138.269	1375.421	0.095	0.936	860.312	0.999	14.877
2/15/2018 23:30	91800	60.214	16.86	139.032	138.135	1375.136	0.095	0.935	861.067	0.999	14.877
2/15/2018 23:45	92700	60.219	16.863	139.043	138.172	1375.474	0.095	0.935	860.799	0.999	14.879
2/16/2018 0:00	93600	60.218	16.861	139.041	138.045	1375.453	0.095	0.936	860.231	0.999	14.878
2/16/2018 0:15	94500	60.225	16.861	139.058	138.1993	1375.889	0.095	0.936	860.59	0.999	14.869
2/16/2018 0:30	95400	60.22	16.86	139.047	138.158	1375.862	0.095	0.935	860.923	0.999	14.871
2/16/2018 0:45	96300	60.222	16.865	139.05	138.238	1375.537	0.095	0.936	860.342	0.999	14.874
2/16/2018 1:00	97200	60.234	16.86	139.077	138.021	1377.117	0.096	0.936	859.83	0.999	14.865
2/16/2018 1:15	98100	60.235	16.86	139.081	138.808	1378.046	0.096	0.937	859.248	0.999	14.864
2/16/2018 1:30	99000	60.239	16.864	139.067	138.108	1374.728	0.094	0.935	861.261	0.999	14.868
2/16/2018 1:45	99900	60.24	16.862	139.093	138.637	1377.784	0.096	0.937	859.375	0.999	14.862
2/16/2018 2:00	100800	60.234	16.862	139.079	138.295	1376.558	0.095	0.936	860.145	0.999	14.867
2/16/2018 2:15	101700	60.238	16.862	139.087	138.284	1378.847	0.095	0.936	859.968	0.999	14.865
2/16/2018 2:30	102600	60.244	16.861	139.102	138.635	1377.823	0.096	0.937	859.376	0.999	14.858
2/16/2018 2:45	103500	60.241	16.863	139.096	138.179	1377.872	0.096	0.937	859.284	0.999	14.859
2/16/2018 3:00	104400	60.247	16.862	139.107	138.462	1375.844	0.096	0.937	860.1	0.999	14.859
2/16/2018 3:15	105300	60.251	16.863	139.119	138.117	1377.162	0.096	0.936	859.759	0.999	14.853
2/16/2018 3:30	106200	60.249	16.863	139.112	138.521	1376.438	0.096	0.936	860.199	0.999	14.856
2/16/2018 3:45	107100	60.256	16.863	139.13	138.1603	1377.003	0.096	0.937	859.795	0.999	14.851
2/16/2018 4:00	108000	60.266	16.866	139.151	138.1566	1375.225	0.095	0.935	860.907	0.999	14.851
2/16/2018 4:15	108900	60.264	16.869	139.157	138.1004	1376.838	0.095	0.936	859.842	0.999	14.857
2/16/2018 4:30	109800	60.265	16.865	139.167	138.457	1375.105	0.095	0.935	860.527	0.999	14.858
2/16/2018 4:45	110700	60.265	16.87	139.15	138.477	1375.001	0.095	0.936	858.46	0.999	14.846
2/16/2018 5:00	111600	60.262	16.868	139.143	138.151	1377.036	0.096	0.936	859.734	0.999	14.854
2/16/2018 5:15	112500	60.263	16.869	139.145	138.386	1376.252	0.096	0.937	859.54	0.999	14.838
2/16/2018 5:30	113400	60.278	16.868	139.179	138.241	1376.078	0.096	0.936	860.332	0.999	14.839
2/16/2018 5:45	114300	60.281	16.87	139.188	138.749	1376.503	0.095	0.936	860.031	0.999	14.844
2/16/2018 6:00	115200	60.282	16.869	139.204	138.462	1376.989	0.096	0.937	859.384	0.999	14.837
2/16/2018 6:15	116100	60.282	16.869	139.188	138.335	1377.208	0.096	0.937	859.598	0.999	14.845
2/16/2018 6:30	117000	60.29	16.87	139.208	138.805	1380.124	0.097	0.938	857.776	0.999	14.847
2/16/2018 6:45	117900	60.291	16.87	139.203	138.623	1380.047	0.097	0.938	857.907	0.999	14.857
2/16/2018 7:00	118800	60.293	16.873	139.214	138.323	1377.068	0.096	0.937	859.607	0.999	14.853
2/16/2018 7:15	119700	60.29	16.876	139.207	138.625	1379.259	0.097	0.938	858.185	0.999	14.859
2/16/2018 7:30	120600	60.314	16.875	139.265	138.579	1380.863	0.096	0.939	858.208	0.999	14.857
2/16/2018 7:45	121500	60.294	16.874	139.284	138.498	1378.916	0.097	0.938	858.444	0.999	14.865
2/16/2018 8:00	122400	60.301	16.877	139.233	138.707	1381.332	0.099	0.941	855.647	0.999	14.868
2/16/2018 8:15	123300	60.304	16.878	139.233	138.447	1378.434	0.099	0.941	855.777	0.999	14.871
2/16/2018 8:30	124200	60.3	16.866	139.23	138.622	1378.136	0.096	0.937	859.092	0.999	14.865
2/16/2018 8:45	125100	60.301	16.872	139.233	138.602	1380.269	0.097	0.939	857.632	0.999	14.858
2/16/2018 9:00	126000	60.309	16.865	139.235	138.382	1377.282	0.096	0.937	857.661	0.999	14.862
2/16/2018 9:15	126900	60.308	16.87	139.233	138.225	1377.067	0.096	0.936	859.679	0.999	14.863
2/16/2018 9:30	127800	60.321	16.868	139.186	138.082	1378.122	0.096	0.937	859.046	0.999	14.864
2/16/2018 9:45	128700	60.324	16.868	139.188	138.191	1375.712	0.095	0.936	860.636	0.999	14.867
2/16/2018 10:00	129600	60.321	16.866	139.142	138.205	1375.79	0.095	0.936	860.545	0.999	14.86
2/16/2018 10:15	130500	60.342	16.866	139.098	138.038	1376.957	0.096	0.936	860.817	0.999	14.863
2/16/2018 10:30	131400	60.347	16.86	139.1	138.714	1374.184	0.096	0.937	860.521	0.999	14.857
2/16/2018 10:45	132300	60.332	16.864	139.075	138.255	1376.42	0.096	0.936	860.204	0.999	14.868
2/16/2018 11:00	133200	60.327	16.864	139.061	138.1862	1377.99	0.096	0.937	859.208	0.999	14.856
2/16/2018 11:15	134100	60.327	16.862	139.062	138.335	1376.295	0.096	0.937	859.337	0.999	14.847
2/16/2018 11:30	135000	60.322	16.865	139.027	138.1975	1375.748	0.095	0.936	860.604	0.999	14.849
2/16/2018 11:45	135900	60.31	16.864	139.024	138.018	1374.403	0.094	0.935	861.461	0.999	14.84
2/16/2018 12:00	136800	60.303	16.862	139.022	138.431	1376.31	0.095	0.936	859.227	0.999	14.837
2/16/2018 12:15	137700	60.304	16.86	139.087	138.1622	1375.463	0.095	0.935	860.865	0.999	14.836
2/16/2018 12:30	138600	60.302	16.858	139.081	138.806	1374.568	0.094	0.935	861.47	0.999	14.83
2/16/2018 12:45	139500	60.308	16.858	139.056	138.286	1375.425	0.095	0.936	860.425	0.999	14.829
2/16/2018 13:00	140400	60.302	16.863	139.057	138.049	1374.037	0.094	0.934	861.706	0.999	14.822
2/16/2018 13:15	141300	60.314	16.864	139.041	138.1422	1375.104	0.095	0.935	861.014	0.999	14.824
2/16/2018 13:30	142200	60.314	16.862	139.054	138.084	1374.124	0.095	0.935	860.631	0.999	14.818
2/16/2018 13:45	143100	60.309	16.865	139.029	138.138	1375.032	0.095	0.935	861.045	0.999	14.814
2/16/2018 14:00	144000	60.307	16.864	139.024	138.593	1374.131	0.094	0.934	861.628	0.999	14.809
2/16/2018 14:15	144900	60.307	16.862	139.017	138.566	1375.77	0.095	0.936	859.646	0.999	14.812
2/16/2018 14:30	145800	60.312	16.859	139.088	138.265	1376.657	0.095	0.936	860.138	0.999	14.812
2/16/2018 14:45	146700	60.313	16.862	139.069	138.017	1375.882	0.095	0.936	860.573	0.999	14.812
2/16/2018 15:00	147600	60.311	16.861	139.051	138.909	1375.788	0.095	0.936	860.631	0.999	14.818
2/16/2018 15:15	148500	60.31	16.859	139.063	138.128	1375.047	0.095	0.935	861.15	0.999	14.805
2/16/2018 15:30	149400	60.314	16.861	139.049	138.1806	1375.656	0.095	0.935	860.729	0.999	14.801
2/16/2018 15:45	150300	60.317	16.86	139.051	138.1113	1377.23	0.096	0.937	859.758	0.999	14.801
2/16/2018 16:00	151200	60.316	16.861	139.006	138.359	1377.496	0.096	0.937	859.58	0.999	14.808
2/16/2018 16:15	152100	60.317	16.859	139.008	138.244	1376.456	0.095	0.936	860.278	0.999	14.803
2/16/2018 16:30	153000	60.306	16.862	139.012	138.782	1376.658	0.095	0.936	860.115	0.999	14.807
2/16/2018 16:45	153900										

2/17/2018 14:15	231300	59.832	16.856	138.15	1166.487	1381.347	0.098	0.939	857.275	0.999	14.773
2/17/2018 14:30	232200	59.837	16.857	138.161	1164.415	1379.889	0.097	0.938	858.41	0.999	14.767
2/17/2018 14:45	233100	59.837	16.856	138.161	1164.955	1379.544	0.097	0.938	858.402	0.999	14.769
2/17/2018 15:00	234000	59.834	16.856	138.109	1164.836	1379.398	0.098	0.938	858.49	0.999	14.77
2/17/2018 15:15	234900	59.837	16.856	138.109	1164.331	1379.759	0.098	0.938	858.5621	0.999	14.768
2/17/2018 15:30	235800	59.81	16.859	138.1	1166.425	1381.198	0.098	0.939	857.32	0.999	14.767
2/17/2018 15:45	236700	59.804	16.858	138.087	1166.726	1381.573	0.098	0.939	857.099	0.999	14.767
2/17/2018 16:00	237600	59.809	16.858	138.089	1164.693	1379.135	0.097	0.938	858.395	0.999	14.764
2/17/2018 16:15	238500	59.798	16.859	138.072	1166.255	1380.985	0.098	0.939	857.445	0.999	14.760
2/17/2018 16:30	239400	59.796	16.856	138.066	1164.789	1379.337	0.097	0.938	858.524	0.999	14.77
2/17/2018 16:45	240300	59.798	16.857	138.077	1164.707	1379.165	0.097	0.938	858.581	0.999	14.776
2/17/2018 17:00	241200	59.796	16.858	138.064	1165.097	1379.641	0.097	0.939	858.297	0.999	14.771
2/17/2018 17:15	242100	59.793	16.857	138.061	1165.908	1380.702	0.098	0.939	857.657	0.999	14.76
2/17/2018 17:30	243000	59.795	16.857	138.066	1165.458	1380.391	0.097	0.939	858.032	0.999	14.763
2/17/2018 17:45	243900	59.794	16.859	138.062	1163.931	1379.224	0.096	0.937	859.173	0.999	14.764
2/17/2018 18:00	244800	59.795	16.859	138.066	1165.832	1380.5	0.097	0.939	857.757	0.999	14.759
2/17/2018 18:15	245700	59.793	16.859	138.06	1165.331	1379.885	0.097	0.938	858.125	0.999	14.764
2/17/2018 18:30	246600	59.797	16.857	138.069	1165.952	1379.668	0.097	0.939	857.669	0.999	14.765
2/17/2018 18:45	247500	59.804	16.857	138.085	1165.635	1380.331	0.097	0.939	857.901	0.999	14.759
2/17/2018 19:00	248400	59.809	16.857	138.097	1165.203	1379.818	0.097	0.938	858.22	0.999	14.757
2/17/2018 19:15	249300	59.813	16.86	138.107	1165.448	1380.016	0.097	0.938	858.039	0.999	14.757
2/17/2018 19:30	250200	59.815	16.858	138.11	1165.04	1379.567	0.097	0.938	858.34	0.999	14.759
2/17/2018 19:45	251100	59.812	16.86	138.103	1166.244	1380.913	0.098	0.939	857.454	0.999	14.76
2/17/2018 20:00	252000	59.817	16.857	138.115	1166.455	1381.288	0.098	0.939	857.299	0.999	14.755
2/17/2018 20:15	252900	59.839	16.86	138.146	1165.004	1379.47	0.097	0.938	858.366	0.999	14.754
2/17/2018 20:30	253800	59.824	16.859	138.112	1165.303	1379.876	0.097	0.938	858.146	0.999	14.752
2/17/2018 20:45	254700	59.833	16.859	138.162	1165.669	1380.305	0.097	0.939	857.877	0.999	14.748
2/17/2018 21:00	255600	59.824	16.862	138.133	1165.74	1380.295	0.097	0.939	857.825	0.999	14.752
2/17/2018 21:15	256500	59.83	16.858	138.145	1165.205	1379.777	0.097	0.938	858.218	0.999	14.751
2/17/2018 21:30	257400	59.833	16.863	138.143	1164.481	1377.661	0.097	0.938	859.481	0.999	14.75
2/17/2018 21:45	258300	59.83	16.861	138.146	1164.716	1379.105	0.097	0.938	858.578	0.999	14.751
2/17/2018 22:00	259200	59.835	16.863	138.158	1165.106	1379.573	0.097	0.938	858.291	0.999	14.748
2/17/2018 22:15	260100	59.833	16.863	138.142	1164.98	1379.822	0.097	0.938	858.794	0.999	14.75
2/17/2018 22:30	261000	59.831	16.86	138.148	1165.583	1380.172	0.097	0.939	857.934	0.999	14.752
2/17/2018 22:45	261900	59.834	16.859	138.154	1164.797	1379.247	0.097	0.938	858.478	0.999	14.752
2/17/2018 23:00	262800	59.824	16.865	138.107	1165.102	1377.081	0.097	0.938	858.85	0.999	14.75
2/17/2018 23:15	263700	59.84	16.858	138.168	1165.669	1380.315	0.097	0.939	857.877	0.999	14.755
2/17/2018 23:30	264600	59.854	16.858	138.201	1164.852	1379.367	0.097	0.938	858.478	0.999	14.755
2/17/2018 23:45	265500	59.817	16.864	138.117	1164.967	1379.317	0.097	0.938	858.284	0.999	14.747
2/18/2018 00:00	266400	59.844	16.858	138.179	1165.648	1380.291	0.097	0.939	857.892	0.999	14.754
2/18/2018 0:15	267300	59.847	16.859	138.185	1165.062	1379.57	0.097	0.938	858.323	0.999	14.753
2/18/2018 0:30	268200	59.846	16.859	138.205	1165.211	1379.712	0.097	0.938	858.211	0.999	14.747
2/18/2018 0:45	269100	59.845	16.859	138.226	1165.533	1381.322	0.098	0.939	857.241	0.999	14.743
2/18/2018 1:00	270000	59.862	16.86	138.219	1164.154	1378.461	0.096	0.937	858.993	0.999	14.746
2/18/2018 1:15	270900	59.849	16.855	138.211	1164.017	1380.707	0.097	0.939	859.621	0.999	14.751
2/18/2018 1:30	271800	59.864	16.858	138.224	1164.487	1381.296	0.098	0.939	857.275	0.999	14.746
2/18/2018 1:45	272700	59.871	16.859	138.24	1165.991	1380.681	0.097	0.939	857.64	0.999	14.744
2/18/2018 2:00	273600	59.869	16.86	138.237	1165.111	1377.951	0.097	0.937	859.132	0.999	14.748
2/18/2018 2:15	274500	59.869	16.859	138.259	1165.05	1379.572	0.097	0.938	858.333	0.999	14.74
2/18/2018 2:30	275400	59.879	16.859	138.259	1165.413	1379.997	0.097	0.938	858.065	0.999	14.738
2/18/2018 2:45	276300	59.885	16.858	138.272	1165.504	1380.139	0.097	0.938	858.198	0.999	14.739
2/18/2018 3:00	277200	59.911	16.858	138.333	1166.026	1380.757	0.098	0.939	857.614	0.999	14.736
2/18/2018 3:15	278100	59.887	16.859	138.277	1165.569	1380.162	0.097	0.939	857.95	0.999	14.742
2/18/2018 3:30	279000	59.896	16.86	138.284	1164.114	1378.414	0.096	0.937	858.022	0.999	14.738
2/18/2018 3:45	279900	59.896	16.861	138.297	1165.925	1380.526	0.097	0.939	857.688	0.999	14.739
2/18/2018 4:00	280800	59.904	16.86	138.316	1164.15	1378.462	0.096	0.937	858.996	0.999	14.736
2/18/2018 4:15	281700	59.908	16.864	138.314	1166.116	1380.907	0.097	0.939	858.511	0.999	14.738
2/18/2018 4:30	282600	59.91	16.859	138.311	1166.646	1377.888	0.096	0.937	859.368	0.999	14.734
2/18/2018 4:45	283500	59.915	16.86	138.341	1166.416	1381.154	0.098	0.939	857.327	0.999	14.736
2/18/2018 5:00	284400	59.922	16.862	138.312	1165.2	1379.642	0.097	0.938	858.222	0.999	14.74
2/18/2018 5:15	285300	59.925	16.859	138.305	1165.65	1380.276	0.097	0.939	857.891	0.999	14.743
2/18/2018 5:30	286200	59.929	16.861	138.374	1165.381	1379.879	0.097	0.938	858.089	0.999	14.745
2/18/2018 5:45	287100	59.931	16.861	138.388	1164.803	1379.293	0.097	0.938	858.511	0.999	14.74
2/18/2018 6:00	288000	59.93	16.861	138.377	1165.573	1377.752	0.096	0.937	859.422	0.999	14.752
2/18/2018 6:15	288900	59.948	16.861	138.417	1162.767	1378.786	0.095	0.936	860.018	0.999	14.744
2/18/2018 6:30	289800	59.959	16.861	138.407	1164.648	1379.077	0.096	0.937	859.625	0.999	14.746
2/18/2018 6:45	290700	59.95	16.859	138.421	1164.21	1378.561	0.096	0.937	858.951	0.999	14.741
2/18/2018 7:00	291600	59.949	16.862	138.421	1165.678	1380.212	0.097	0.939	857.87	0.999	14.742
2/18/2018 7:15	292500	59.952	16.864	138.434	1164.708	1379.607	0.097	0.939	858.584	0.999	14.744
2/18/2018 7:30	293400	59.973	16.861	138.475	1166.014	1380.653	0.097	0.939	857.622	0.999	14.739
2/18/2018 7:45	294300	59.969	16.858	138.466	1165.117	1379.681	0.097	0.938	858.283	0.999	14.748
2/18/2018 8:00	295200	59.971	16.858	138.468	1165.943	1380.313	0.097	0.939	858.34	0.999	14.746
2/18/2018 8:15	296100	59.971	16.862	138.471	1165.993	1378.216	0.096	0.937	859.112	0.999	14.755
2/18/2018 8:30	297000	59.982	16.862	138.487	1164.833	1379.225	0.097	0.938	858.492	0.999	14.745
2/18/2018 8:45	297900	59.975	16.862	138.412	1164.121	1378.179	0.096	0.937	859.036	0.999	14.747
2/18/2018 9:00	298800	59.987	16.863	138.509	1164.807	1379.139	0.097	0.938	858.511	0.999	14.749
2/18/2018 9:15	299700	59.992	16.865	138.519	1164.589	1378.837	0.097	0.938	858.672	0.999	14.748
2/18/2018 9:30	300600	59.99	16.864	138.514	1165.566	1380.012	0.097	0.938	858.963	0.999	14.754
2/18/2018 9:45	301500	59.995	16.864	138.527	1165.977	1378.138	0.096	0.937	859.123	0.999	14.754
2/18/2018 10:00	302400	60.009	16.859	138.54	1164.48	1379.12	0.097	0.938	858.605	0.999	14.747
2/18/2018 10:15	303300	60.001	16.863	138.512	1164.943	1379.203	0.097	0.938	858.149	0.999	14.761
2/18/2018 10:30	304200	60.006	16.862	138.553	1165.591	1380.114	0.097	0.938	857.934	0.999	14.756
2/18/2018 10:45	305100	60.015	16.862	138.573	1165.021	1379.42	0.097	0.938	858.353	0.999	14.751
2/18/2018 11:00	306000	60.022	16.862	138.569	1164.625	1379					

2/19/2018 8:45	384300	60.375	16.874	189.404	1167.046	1381.45	0.698	0.939	856.865	0.999	14.742
2/19/2018 9:00	382020	60.375	16.871	189.402	1166.002	1380.225	0.697	0.939	857.631	0.999	14.74
2/19/2018 9:15	386100	60.35	16.872	189.347	1166.637	1381.037	0.698	0.939	857.165	0.999	14.743
2/19/2018 9:30	387000	60.346	16.869	189.336	1166.024	1380.393	0.697	0.939	857.616	0.999	14.747
2/19/2018 9:45	387900	60.341	16.869	189.361	1165.967	1380.241	0.697	0.939	857.651	0.999	14.754
2/19/2018 10:00	388800	60.328	16.869	189.295	1165.576	1379.875	0.697	0.938	857.945	0.999	14.755
2/19/2018 10:15	389700	60.326	16.872	189.239	1166.006	1380.361	0.697	0.939	857.584	0.999	14.752
2/19/2018 10:30	390600	60.317	16.867	189.271	1164.42	1378.566	0.696	0.939	858.793	0.999	14.754
2/19/2018 10:45	391500	60.313	16.87	189.262	1166.761	1381.244	0.698	0.939	857.074	0.999	14.749
2/19/2018 11:00	392400	60.311	16.87	189.256	1166.348	1380.766	0.698	0.939	857.377	0.999	14.749
2/19/2018 11:15	393300	60.303	16.868	189.238	1167.121	1381.71	0.698	0.939	856.803	0.999	14.748
2/19/2018 11:30	394200	60.297	16.868	189.233	1165.863	1380.446	0.697	0.939	857.446	0.999	14.751
2/19/2018 11:45	395100	60.29	16.87	189.208	1165.385	1379.616	0.697	0.938	858.085	0.999	14.755
2/19/2018 12:00	396000	60.281	16.867	189.188	1166.313	1380.816	0.698	0.939	857.402	0.999	14.752
2/19/2018 12:15	396900	60.281	16.868	189.211	1166.008	1380.422	0.697	0.938	857.628	0.999	14.75
2/19/2018 12:30	397800	60.284	16.866	189.194	1164.682	1378.914	0.697	0.938	858.604	0.999	14.745
2/19/2018 12:45	398700	60.285	16.865	189.196	1164.512	1378.727	0.696	0.938	858.729	0.999	14.747
2/19/2018 13:00	399600	60.282	16.864	189.223	1165.425	1379.835	0.697	0.938	857.056	0.999	14.747
2/19/2018 13:15	400500	60.273	16.863	189.169	1165.171	1379.57	0.697	0.938	858.243	0.999	14.746
2/19/2018 13:30	401400	60.274	16.864	189.172	1165.061	1379.409	0.697	0.938	858.224	0.999	14.745
2/19/2018 13:45	402300	60.278	16.867	189.179	1165.723	1380.461	0.697	0.938	857.886	0.999	14.74
2/19/2018 14:00	403200	60.277	16.864	189.178	1165.284	1379.699	0.697	0.938	858.16	0.999	14.738
2/19/2018 14:15	404100	60.27	16.866	189.162	1165.346	1379.692	0.697	0.938	858.114	0.999	14.737
2/19/2018 14:30	405000	60.272	16.867	189.167	1164.932	1379.295	0.697	0.938	858.413	0.999	14.735
2/19/2018 14:45	405900	60.27	16.865	189.161	1166.036	1380.547	0.697	0.939	857.607	0.999	14.741
2/19/2018 15:00	406800	60.261	16.867	189.14	1166.764	1381.34	0.698	0.939	857.071	0.999	14.744
2/19/2018 15:15	407700	60.266	16.868	189.153	1166.609	1380.609	0.697	0.939	857.5	0.999	14.744
2/19/2018 15:30	408600	60.263	16.867	189.144	1166.902	1381.512	0.698	0.939	856.97	0.999	14.742
2/19/2018 15:45	409500	60.265	16.864	189.155	1164.409	1378.612	0.696	0.937	858.805	0.999	14.742
2/19/2018 16:00	410400	60.278	16.87	189.179	1164.681	1381.207	0.697	0.939	857.113	0.999	14.739
2/19/2018 16:15	411300	60.262	16.867	189.143	1165.52	1379.882	0.697	0.938	857.886	0.999	14.743
2/19/2018 16:30	412200	60.257	16.867	189.131	1166.321	1380.814	0.698	0.939	857.397	0.999	14.747
2/19/2018 16:45	413100	60.264	16.869	189.129	1165.182	1380.673	0.697	0.939	857.499	0.999	14.744
2/19/2018 17:00	414000	60.257	16.869	189.133	1166.989	1381.553	0.698	0.939	856.906	0.999	14.745
2/19/2018 17:15	414900	60.256	16.868	189.129	1165.921	1379.832	0.696	0.937	859.165	0.999	14.746
2/19/2018 17:30	415800	60.265	16.87	189.125	1165.3	1379.445	0.697	0.938	857.445	0.999	14.751
2/19/2018 17:45	416700	60.244	16.867	189.102	1167.506	1382.211	0.698	0.94	856.527	0.999	14.754
2/19/2018 18:00	417600	60.254	16.868	189.125	1166.451	1380.935	0.698	0.939	857.301	0.999	14.751
2/19/2018 18:15	418500	60.255	16.867	189.118	1166.25	1380.752	0.697	0.939	857.445	0.999	14.75
2/19/2018 18:30	419400	60.251	16.869	189.117	1166.361	1380.809	0.698	0.939	857.367	0.999	14.752
2/19/2018 18:45	420300	60.246	16.867	189.105	1165.21	1379.512	0.697	0.938	858.214	0.999	14.761
2/19/2018 19:00	421200	60.24	16.868	189.11	1166.476	1380.283	0.697	0.939	858.283	0.999	14.757
2/19/2018 19:15	422100	60.238	16.867	189.096	1167.996	1382.805	0.699	0.94	856.168	0.999	14.764
2/19/2018 19:30	423000	60.238	16.869	189.088	1165.41	1379.676	0.697	0.938	858.067	0.999	14.764
2/19/2018 19:45	423900	60.231	16.87	189.071	1167.001	1381.561	0.698	0.94	856.847	0.999	14.771
2/19/2018 20:00	424800	60.232	16.869	189.075	1167.055	1381.628	0.698	0.94	856.858	0.999	14.765
2/19/2018 20:15	425700	60.231	16.871	189.118	1166.138	1384.037	0.699	0.941	855.331	0.999	14.765
2/19/2018 20:30	426600	60.231	16.87	189.071	1166.81	1381.269	0.698	0.941	855.889	0.999	14.766
2/19/2018 20:45	427500	60.228	16.87	189.065	1166.025	1380.36	0.697	0.939	857.615	0.999	14.771
2/19/2018 21:00	428400	60.227	16.872	189.062	1166.674	1384.627	0.7	0.942	854.339	0.999	14.779
2/19/2018 21:15	429300	60.224	16.872	189.031	1167.013	1385.463	0.698	0.941	855.883	0.999	14.785
2/19/2018 21:30	430200	60.212	16.869	189.027	1168.468	1386.289	0.699	0.941	855.822	0.999	14.783
2/19/2018 21:45	431100	60.205	16.873	189.01	1168.139	1382.782	0.699	0.94	856.063	0.999	14.791
2/19/2018 22:00	432000	60.207	16.872	189.022	1170.327	1385.047	0.7	0.942	855.421	0.999	14.79
2/19/2018 22:15	432900	60.204	16.872	189.01	1167.435	1381.982	0.698	0.94	856.579	0.999	14.794
2/19/2018 22:30	433800	60.205	16.871	189.011	1168.42	1382.427	0.699	0.941	855.71	0.999	14.793
2/19/2018 22:45	434700	60.204	16.87	189.018	1168.362	1382.181	0.699	0.941	855.325	0.999	14.794
2/19/2018 23:00	435600	60.205	16.875	189.012	1168.174	1382.769	0.699	0.94	856.037	0.999	14.796
2/19/2018 23:15	436500	60.224	16.873	189.056	1168.16	1382.799	0.699	0.94	856.047	0.999	14.794
2/19/2018 23:30	437400	60.204	16.872	189.048	1168.685	1383.61	0.699	0.941	856.661	0.999	14.795
2/19/2018 23:45	438300	60.201	16.87	189.003	1168.792	1383.635	0.699	0.94	855.585	0.999	14.797
2/19/2018 0:00	439200	60.197	16.876	189.994	1170.414	1385.396	0.7	0.942	854.398	0.999	14.806
2/19/2018 0:15	440100	60.198	16.875	189.995	1170.268	1385.131	0.7	0.942	854.501	0.999	14.806
2/19/2018 0:30	441000	60.202	16.875	189.004	1168.902	1383.62	0.699	0.941	855.504	0.999	14.806
2/19/2018 0:45	441900	60.203	16.876	189.007	1168.387	1384.172	0.699	0.941	855.149	0.999	14.806
2/19/2018 1:00	442800	60.211	16.876	189.004	1170.043	1384.863	0.7	0.942	854.651	0.999	14.8
2/19/2018 1:15	443700	60.211	16.879	189.026	1170.34	1385.201	0.7	0.942	854.453	0.999	14.803
2/19/2018 1:30	444600	60.205	16.878	189.012	1170.247	1385.11	0.7	0.942	854.521	0.999	14.813
2/19/2018 1:45	445500	60.212	16.88	189.028	1170.715	1385.615	0.7	0.942	854.148	0.999	14.81
2/19/2018 2:00	446400	60.223	16.882	189.052	1172.178	1387.275	0.701	0.943	853.113	0.999	14.817
2/19/2018 2:15	447300	60.209	16.882	189.022	1171.659	1386.678	0.701	0.943	853.491	0.999	14.819
2/19/2018 2:30	448200	60.214	16.883	189.044	1170.544	1385.23	0.7	0.942	854.298	0.999	14.814
2/19/2018 2:45	449100	60.217	16.885	189.04	1172.009	1386.99	0.701	0.943	853.236	0.999	14.818
2/19/2018 3:00	450000	60.222	16.885	189.05	1171.718	1386.637	0.701	0.943	853.448	0.999	14.821
2/19/2018 3:15	450900	60.219	16.887	189.046	1170.866	1385.24	0.7	0.942	854.613	0.999	14.825
2/19/2018 3:30	451800	60.244	16.887	189.1013	1170.013	1388.121	0.701	0.944	852.505	0.999	14.818
2/19/2018 3:45	452700	60.23	16.885	189.068	1172.816	1387.937	0.701	0.944	852.649	0.999	14.819
2/19/2018 4:00	453600	60.237	16.887	189.1029	1171.479	1386.182	0.7	0.943	853.621	0.999	14.814
2/19/2018 4:15	454500	60.244	16.887	189.101	1171.919	1386.001	0.701	0.944	852.574	0.999	14.82
2/19/2018 4:30	455400	60.246	16.894	189.106	1171.419	1386.268	0.702	0.945	853.466	0.999	14.821
2/19/2018 4:45	456300	60.243	16.891	189.11	1171.617	1386.589	0.702	0.945	853.521	0.999	14.828
2/19/2018 5:00	457200	60.271	16.894	189.163	1171.099	1387.999	0.701	0.944	852.443	0.999	14.822
2/19/2018 5:15	458100	60.261	16.894	189.141	1171.505	1388.477	0.702	0.944	852.148	0.999	14.823
2/19/2018 5:30	459000	60.259	16.89	189.127	1171.588	1388.251	0.702	0.945	852.819	0.999	14.825
2/19/2018 5:45	459900	60.264									

2/21/2018 3:15	537300	60.077	16.888	138.716	1173.931	1389.182	0.702	0.945	851.839	0.999	14.807
2/21/2018 3:30	538200	60.051	16.889	138.657	1173.922	1390.427	0.703	0.945	851.049	0.999	14.82
2/21/2018 3:45	539100	60.065	16.887	138.688	1171.551	1386.376	0.701	0.943	853.57	0.999	14.811
2/21/2018 4:00	540000	60.076	16.889	138.714	1175.563	1391.064	0.703	0.946	850.656	0.999	14.805
2/21/2018 4:15	540900	60.08	16.886	138.723	1172.205	1386.001	0.701	0.944	852.564	0.999	14.808
2/21/2018 4:30	541800	60.085	16.888	138.735	1174.912	1390.311	0.703	0.945	851.128	0.999	14.811
2/21/2018 4:45	542700	60.087	16.889	138.739	1176.098	1391.705	0.703	0.946	850.269	0.999	14.812
2/21/2018 5:00	543600	60.088	16.889	138.742	1172.248	1389.356	0.702	0.944	852.32	0.999	14.82
2/21/2018 5:15	544500	60.092	16.886	138.72	1173.887	1389.166	0.702	0.945	851.887	0.999	14.821
2/21/2018 5:30	545400	60.102	16.887	138.774	1175.256	1390.761	0.703	0.946	850.878	0.999	14.82
2/21/2018 5:45	546300	60.106	16.884	138.784	1174.561	1390.031	0.702	0.945	851.382	0.999	14.821
2/21/2018 6:00	547200	60.11	16.891	138.793	1174.5	1389.762	0.702	0.945	851.426	0.999	14.822
2/21/2018 6:15	548100	60.114	16.891	138.801	1175.408	1390.882	0.703	0.946	850.725	0.999	14.82
2/21/2018 6:30	549000	60.123	16.885	138.823	1172.884	1388.015	0.701	0.944	852.599	0.999	14.816
2/21/2018 6:45	549900	60.128	16.881	138.833	1173.869	1389.299	0.702	0.945	851.543	0.999	14.821
2/21/2018 7:00	550800	60.128	16.89	138.834	1174.502	1389.791	0.702	0.945	851.425	0.999	14.828
2/21/2018 7:15	551700	60.15	16.893	138.885	1175.047	1390.335	0.703	0.945	851.05	0.999	14.83
2/21/2018 7:30	552600	60.154	16.89	138.895	1174.455	1389.714	0.702	0.945	851.459	0.999	14.831
2/21/2018 7:45	553500	60.16	16.887	138.908	1174.323	1389.667	0.702	0.945	851.555	0.999	14.827
2/21/2018 8:00	554400	60.16	16.888	138.908	1173.884	1388.749	0.701	0.945	851.227	0.999	14.822
2/21/2018 8:15	555300	60.158	16.889	138.904	1174.556	1389.824	0.702	0.944	851.415	0.999	14.828
2/21/2018 8:30	556200	60.16	16.888	138.908	1174.438	1389.771	0.702	0.945	851.471	0.999	14.832
2/21/2018 8:45	557100	60.169	16.888	138.927	1174.374	1389.703	0.702	0.945	851.517	0.999	14.827
2/21/2018 9:00	558000	60.162	16.888	138.927	1174.338	1389.645	0.702	0.945	851.543	0.999	14.832
2/21/2018 9:15	558900	60.17	16.886	138.93	1173.244	1388.404	0.702	0.944	852.338	0.999	14.829
2/21/2018 9:30	559800	60.17	16.888	138.93	1174.214	1389.509	0.702	0.944	851.631	0.999	14.825
2/21/2018 9:45	560700	60.158	16.886	138.902	1173.151	1388.305	0.702	0.944	852.406	0.999	14.831
2/21/2018 10:00	561600	60.17	16.886	138.93	1172.645	1387.699	0.701	0.944	852.773	0.999	14.822
2/21/2018 10:15	562500	60.18	16.891	138.953	1174.69	1389.983	0.702	0.945	851.289	0.999	14.83
2/21/2018 10:30	563400	60.178	16.895	138.95	1172.009	1387.049	0.701	0.943	851.199	0.999	14.83
2/21/2018 10:45	564300	60.161	16.88	138.91	1171.559	1386.622	0.701	0.943	851.564	0.999	14.825
2/21/2018 11:00	565200	60.157	16.884	138.903	1171.664	1386.595	0.701	0.943	851.487	0.999	14.826
2/21/2018 11:15	566100	60.149	16.879	138.879	1171.757	1386.877	0.701	0.943	851.422	0.999	14.83
2/21/2018 11:30	567000	60.153	16.878	138.892	1172.063	1387.279	0.701	0.943	851.196	0.999	14.822
2/21/2018 11:45	567900	60.14	16.878	138.861	1166.147	1380.255	0.697	0.939	857.525	0.999	14.827
2/21/2018 12:00	568800	60.15	16.877	138.864	1168.54	1385.139	0.699	0.941	856.765	0.999	14.826
2/21/2018 12:15	569700	60.136	16.876	138.853	1168.366	1382.567	0.699	0.94	855.896	0.999	14.82
2/21/2018 12:30	570600	60.128	16.877	138.834	1167.955	1382.446	0.698	0.94	856.198	0.999	14.822
2/21/2018 12:45	571500	60.13	16.874	138.838	1169.344	1384.187	0.699	0.941	855.181	0.999	14.82
2/21/2018 13:00	572400	60.125	16.876	138.826	1171.991	1387.246	0.701	0.943	853.249	0.999	14.819
2/21/2018 13:15	573300	60.134	16.873	138.847	1166.747	1384.089	0.7	0.942	854.886	0.999	14.809
2/21/2018 13:30	574200	60.118	16.873	138.81	1166.141	1381.008	0.699	0.94	855.915	0.999	14.817
2/21/2018 13:45	575100	60.112	16.875	138.797	1170.04	1384.976	0.7	0.942	854.671	0.999	14.815
2/21/2018 14:00	576000	60.113	16.875	138.841	1169.86	1384.768	0.7	0.942	854.803	0.999	14.809
2/21/2018 14:15	576900	60.107	16.874	138.796	1169.698	1384.59	0.7	0.942	854.921	0.999	14.812
2/21/2018 14:30	577800	60.11	16.876	138.793	1169.043	1383.767	0.699	0.941	855.401	0.999	14.809
2/21/2018 14:45	578700	60.11	16.876	138.792	1171.237	1386.356	0.7	0.943	853.798	0.999	14.808
2/21/2018 15:00	579600	60.108	16.876	138.788	1168.727	1383.4	0.699	0.941	855.624	0.999	14.809
2/21/2018 15:15	580500	60.104	16.878	138.778	1168.22	1382.695	0.699	0.94	856.003	0.999	14.814
2/21/2018 15:30	581400	60.121	16.876	138.817	1169.267	1384.011	0.699	0.941	855.237	0.999	14.813
2/21/2018 15:45	582300	60.11	16.879	138.768	1170.065	1386.886	0.7	0.942	854.654	0.999	14.82
2/21/2018 16:00	583200	60.106	16.879	138.782	1170.589	1385.505	0.7	0.942	854.271	0.999	14.813
2/21/2018 16:15	584100	60.11	16.874	138.791	1171.059	1386.215	0.7	0.943	853.928	0.999	14.813
2/21/2018 16:30	585000	60.105	16.876	138.781	1172.024	1387.285	0.703	0.943	853.225	0.999	14.816
2/21/2018 16:45	585900	60.111	16.876	138.794	1171.021	1386.096	0.7	0.943	853.955	0.999	14.808
2/21/2018 17:00	586800	60.108	16.876	138.788	1170.836	1385.892	0.7	0.942	854.091	0.999	14.81
2/21/2018 17:15	587700	60.111	16.879	138.793	1169.332	1384.022	0.699	0.943	855.189	0.999	14.809
2/21/2018 17:30	588600	60.111	16.875	138.794	1172.407	1387.763	0.701	0.944	852.946	0.999	14.806
2/21/2018 17:45	589500	60.107	16.877	138.786	1170.286	1385.198	0.7	0.942	854.492	0.999	14.806
2/21/2018 18:00	590400	60.102	16.879	138.773	1169.864	1384.665	0.7	0.942	854.785	0.999	14.812
2/21/2018 18:15	591300	60.103	16.877	138.776	1172.056	1387.285	0.701	0.943	851.201	0.999	14.812
2/21/2018 18:30	592200	60.098	16.882	138.765	1171.431	1386.385	0.701	0.943	851.657	0.999	14.814
2/21/2018 18:45	593100	60.089	16.879	138.743	1173.726	1389.216	0.702	0.945	851.98	0.999	14.819
2/21/2018 19:00	594000	60.084	16.883	138.731	1171.241	1386.15	0.7	0.943	851.795	0.999	14.817
2/21/2018 19:15	594900	60.081	16.879	138.725	1169.469	1384.17	0.699	0.941	855.089	0.999	14.821
2/21/2018 19:30	595800	60.081	16.881	138.726	1175.38	1386.748	0.702	0.944	852.239	0.999	14.818
2/21/2018 19:45	596700	60.076	16.881	138.713	1171.56	1386.583	0.701	0.943	853.562	0.999	14.822
2/21/2018 20:00	597600	60.073	16.88	138.707	1174.173	1389.711	0.702	0.945	851.663	0.999	14.822
2/21/2018 20:15	598500	60.072	16.883	138.705	1172.541	1386.156	0.701	0.944	852.558	0.999	14.821
2/21/2018 20:30	599400	60.066	16.886	138.69	1173.913	1389.21	0.702	0.945	851.852	0.999	14.823
2/21/2018 20:45	600300	60.07	16.886	138.7	1174	1389.308	0.702	0.945	851.789	0.999	14.823
2/21/2018 21:00	601200	60.059	16.885	138.675	1174.007	1389.338	0.702	0.945	851.784	0.999	14.83
2/21/2018 21:15	602100	60.054	16.884	138.663	1173.118	1388.316	0.702	0.944	852.429	0.999	14.829
2/21/2018 21:30	603000	60.055	16.882	138.665	1172.136	1387.217	0.701	0.943	851.143	0.999	14.828
2/21/2018 21:45	603900	60.048	16.882	138.649	1173.712	1389.096	0.702	0.945	851.998	0.999	14.835
2/21/2018 22:00	604800	60.049	16.886	138.652	1173.157	1388.3	0.702	0.944	852.401	0.999	14.828
2/21/2018 22:15	605700	60.063	16.88	138.684	1171.483	1388.886	0.702	0.944	852.164	0.999	14.829
2/21/2018 22:30	606600	60.044	16.879	138.64	1171.991	1387.161	0.701	0.943	851.249	0.999	14.831
2/21/2018 22:45	607500	60.038	16.882	138.626	1173.004	1388.27	0.702	0.944	852.512	0.999	14.832
2/21/2018 23:00	608400	60.045	16.882	138.642	1171.501	1388.86	0.702	0.944	852.151	0.999	14.829
2/21/2018 23:15	609300	60.039	16.885	138.627	1175.286	1390.862	0.703	0.946	850.857	0.999	14.835
2/21/2018 23:30	610200	60.037	16.886	138.624	1175.321	1390.863	0.703	0.946	850.831	0.999	14.836
2/21/2018 23:45	611100	60.038	16.885	138.625	1173.876	1389.197	0.702	0.945	851.879	0.999	14.835

Report Date: 2/23/2018 14:44
Report User Name: AVanHalbama
Report Computer Name: WKST34
Application: WinShu.exe
Application Version: 5.6.25.0

Log File Properties
File Name: MPWSP MW-65 LT_Test_2018-02-22_10-26-45-248-BaroMerge.wsl
Create Date: 2/23/2018 14:43

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: WMassol
Computer Name: PROBDK2
Application: WinShu.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: Depth
Specific Gravity: 0.999

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: 0.0291
TDS Factor: 0.68

Log Notes:

Date and Time Note
3/16/2017 12:50 Used Battery: 2% Used Memory: 3% User Name: WMassol
3/16/2017 13:02 Log Download - Used Battery: 2% Used Memory: 3% User Name: WMassol Interval - Start Time: 3/16/2017 1:00:00 PM Stop Time: 3/16/2017 1:00:00 PM
3/23/2017 13:19 Log Download - Used Battery: 2% Used Memory: 3% User Name: AVanHalbama 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: AVanHalbama 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: WMassol Interval - Start Time: 3/16/2017 1:00:00 PM Stop Time: 4/2/2017 6:00:00 AM
4/6/2017 11:59 Log Download - Used Battery: 3% Used Memory: 4% User Name: WMassol 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: WMassol 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: WMassol 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: AVanHalbama 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: WMassol 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: AVanHalbama 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: AVanHalbama 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: WMassol 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: AVanHalbama 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: WMassol 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: WMassol 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: WMassol 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: AVanHalbama 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: AVanHalbama 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: AVanHalbama 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: WMassol Interval - Start Time: 6/21/2017 10:00:00 PM Stop Time: 6/29/2017 8:15:00 AM
7/6/2017 7:09 Log Download - Used Battery: 8% Used Memory: 15% User Name: AVanHalbama 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: WMassol 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: WMassol 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: WMassol 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: AVanHalbama Interval - Start Time: 7/19/2017 10:00:00 PM Stop Time: 7/27/2017 12:40:00 PM
8/3/2017 11:47 Log Download - Used Battery: 9% Used Memory: 18% User Name: AVanHalbama Interval - Start Time: 6/30/2017 10:00:00 PM Stop Time: 8/3/2017 12:45:00 PM
8/10/2017 8:03 Log Download - Used Battery: 10% Used Memory: 18% User Name: WMassol 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: AVanHalbama 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: AVanHalbama 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: WMassol 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: WMassol 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: WMassol 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: AVanHalbama 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: WMassol 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: WMassol 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: AVanHalbama Interval - Start Time: 10/4/2017 10:00:00 PM Stop Time: 10/12/2017 1:15:00 PM
10/19/2017 11:27 Log Download - Used Battery: 13% Used Memory: 28% User Name: AVanHalbama Interval - Start Time: 10/11/2017 10:00:00 PM Stop Time: 10/19/2017 12:15:00 PM
10/26/2017 10:06 Log Download - Used Battery: 14% Used Memory: 28% User Name: WMassol Interval - Start Time: 10/18/2017 10:00:00 PM Stop Time: 10/26/2017 8:00:00 PM
11/2/2017 11:25 Log Download - Used Battery: 14% Used Memory: 29% User Name: WMassol Interval - Start Time: 9/30/2017 10:00:00 PM Stop Time: 11/2/2017 2:45:00 AM
11/9/2017 12:47 Log Download - Used Battery: 14% Used Memory: 29% User Name: AVanHalbama Interval - Start Time: 11/1/2017 10:00:00 PM Stop Time: 11/9/2017 1:45:00 PM
11/16/2017 9:17 Log Download - Used Battery: 15% Used Memory: 31% User Name: WMassol Interval - Start Time: 11/8/2017 10:00:00 PM Stop Time: 11/16/2017 4:30:00 PM
11/23/2017 13:15 Log Download - Used Battery: 15% Used Memory: 31% User Name: AVanHalbama Interval - Start Time: 11/15/2017 10:00:00 PM Stop Time: 11/23/2017 2:15:00 PM
12/1/2017 8:23 Log Download - Used Battery: 16% Used Memory: 32% User Name: AVanHalbama Interval - Start Time: 10/31/2017 10:00:00 PM Stop Time: 12/1/2017 8:15:00 AM
12/7/2017 9:24 Log Download - Used Battery: 16% Used Memory: 32% User Name: WMassol Interval - Start Time: 11/29/2017 10:00:00 PM Stop Time: 12/7/2017 2:45:00 PM
12/14/2017 10:36 Log Download - Used Battery: 16% Used Memory: 34% User Name: WMassol Interval - Start Time: 12/6/2017 10:00:00 PM Stop Time: 12/14/2017 6:30:00 PM
12/21/2017 7:49 Log Download - Used Battery: 17% Used Memory: 34% User Name: AVanHalbama Interval - Start Time: 12/12/2017 10:00:00 PM Stop Time: 12/21/2017 8:45:00 AM
1/4/2018 11:09 Log Download - Used Battery: 17% Used Memory: 35% User Name: WMassol Interval - Start Time: 11/30/2017 10:00:00 PM Stop Time: 1/4/2018 6:20:00 PM
1/11/2018 11:09 Log Download - Used Battery: 18% Used Memory: 37% User Name: AVanHalbama Interval - Start Time: 1/3/2018 10:00:00 PM Stop Time: 1/11/2018 12:00:00 PM
1/18/2018 8:05 Log Download - Used Battery: 18% Used Memory: 38% User Name: WMassol Interval - Start Time: 1/10/2018 10:00:00 PM Stop Time: 1/18/2018 11:00:00 PM
1/26/2018 9:24 Log Download - Used Battery: 18% Used Memory: 39% User Name: WMassol Interval - Start Time: 1/17/2018 10:00:00 PM Stop Time: 1/26/2018 3:15:00 PM
2/1/2018 15:02 Log Download - Used Battery: 19% Used Memory: 40% User Name: WMassol Interval - Start Time: 12/1/2017 10:00:00 PM Stop Time: 2/1/2018 6:50:00 PM
2/6/2018 9:35 Log Download - Used Battery: 19% Used Memory: 40% User Name: AVanHalbama Interval - Start Time: 1/31/2018 10:00:00 PM Stop Time: 2/6/2018 10:30:00 AM
2/15/2018 9:27 Log Download - Used Battery: 19% Used Memory: 42% User Name: AVanHalbama Interval - Start Time: 2/7/2018 10:00:00 PM Stop Time: 2/15/2018 10:15:00 AM
2/22/2018 10:26 Log Download - Used Battery: 20% Used Memory: 42% User Name: WMassol Interval - Start Time: 2/14/2018 10:00:00 PM Stop Time: 2/22/2018 4:15:00 PM
2/23/2018 14:43 User Note: "Pressure & Level adjusted by baro data from: 'MPWSP Barotroll_2018-02-22_16-56-22-sds.wsl'"

Log Data:

Record Count

Sensors

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

Time Zone: Pacific Standard Time

Date and Time	Elapsed Time Seconds	Sensor: PCTD(A) 35.8ft SNR: 498998 Corrected Pressure (PSI)	Sensor: PCTD(A) 35.8ft SNR: 498998 Temperature (C)	Sensor: PCTD(A) 35.8ft SNR: 498998 Corrected Depth (ft)	Sensor: PCTD(A) 35.8ft SNR: 498998 Actual Conductivity (uS)	Sensor: PCTD(A) 35.8ft SNR: 498998 Specific Conductivity (uS)	Sensor: PCTD(A) 35.8ft SNR: 498998 Salinity (PSU)	Sensor: PCTD(A) 35.8ft SNR: 498998 Total Dissolved Solids (ppt)	Sensor: PCTD(A) 35.8ft SNR: 498998 Resistivity (ohm-cm)	Sensor: PCTD(A) 35.8ft SNR: 498998 Water Density (g/cm3)	Sensor: Baro-Adj Calc SNR: 000000 Barometric Pressure (PSI)
2/15/2018 0:00	7200	11.076	16.974	25.575	1745.673	2061.748	1.062	572.865	1.402	572.865	14.831
2/15/2018 0:05	8300	11.077	16.974	25.577	1745.633	2061.649	1.062	572.858	1.402	572.858	14.829
2/15/2018 0:30	9000	11.077	16.974	25.576	1745.439	2061.448	1.062	572.922	1.402	572.922	14.831
2/15/2018 0:45	9900	11.071	16.974	25.562	1745.435	2061.448	1.062	572.923	1.402	572.923	14.836
2/15/2018 1:00	10800	11.073	16.974	25.568	1745.809	2061.877	1.062	572.878	1.402	572.878	14.834
2/15/2018 1:15	11700	11.108	16.974	25.582	1745.595	2061.656	1.062	572.871	1.402	572.871	14.833
2/15/2018 1:30	12600	11.082	16.974	25.587	1745.62	2061.658	1.062	572.862	1.402	572.862	14.829
2/15/2018 1:45	13500	11.076	16.974	25.573	1745.716	2061.843	1.062	572.846	1.402	572.846	14.835
2/15/2018 2:00	14400	11.076	16.974	25.574	1745.776	2061.834	1.062	572.811	1.402	572.811	14.835
2/15/2018 2:15	15300	11.108	16.974	25.582	1745.682	2061.723	1.062	572.842	1.402	572.842	14.831
2/15/2018 2:30	16200	11.079	16.974	25.581	1745.689	2061.732	1.062	572.84	1.402	572.84	14.83
2/15/2018 2:45	17100	11.072	16.975	25.565	1745.648	2061.674	1.062	572.853	1.402	572.853	14.834
2/15/2018 3:00	18000	11.108	16.974	25.583	1745.502	2061.535	1.062	572.901	1.402	572.901	14.826
2/15/2018 3:15	18900	11.083	16.974	25.577	1745.669	2061.715	1.062	572.896	1.402	572.896	14.825
2/15/2018 3:30	19800	11.075	16.974	25.571	1745.639	2061.696	1.062	572.856	1.402	572.856	14.831
2/15/2018 3:45	20700	11.082	16.974	25.587	1745.482	2061.52	1.062	572.908	1.402	572.908	14.824
2/15/2018 4:00	21600	11.075	16.974	25.579	1745.402	2061.494	1.062	572.904	1.402	572.904	14.823
2/15/2018 4:15	22500	11.075	16.974	25.572	1745.348	2061.117	1.062	573.017	1.402	573.017	14.832
2/15/2018 4:30	23400	11.081	16.974	25.585	1745.646	2061.684	1.062	572.854	1.402	572.854	14.825
2/15/2018 4:45	24300	11.085	16.974	25.586	1745.689	2061.732	1.062	572.84	1.402	572.84	14.82
2/15/2018 5:00	25200	11.081	16.974	25.585	1745.822	2061.897	1.062	572.796	1.402	572.796	14.825
2/15/2018 5:15	26100	11.074	16.974	25.57	1745.678	2061.743	1.062	572.843	1.402	572.843	14.831
2/15/2018 5:30	27000	11.081	16.974	25.586	1745.748	2061.813	1.062	572.845	1.402	572.845	14.824
2/15/2018 5:45	27900	11.079	16.974	25.58	1745.863	2061.868	1.062	572.781	1.402	572.781	14.827
2/15/2018 6:00	28800	11.075	16.974	25.572	1745.891	2061.994	1.062	572.773	1.402	572.773	14.832
2/15/2018 6:15	29700	11.079	16.974	25.58	1745.909	2061.996	1.062	572.767	1.402	572.767	14.829
2/15/2018 6:30	30600	11.076	16.974	25.565	1745.905	2062.01	1.062	572.762	1.402	572.762	14.837
2/15/2018 6:45	31500	11.075	16.974	25.572	1745.883	2061.972	1.062	572.776	1.402	572.776	14.837
2/15/2018 7:00	32400	11.071	16.975	25.563	1745.254	2061.209	1.062	572.982	1.402	572.982	14.844
2/15/2018 7:15	33300	11.077	16.974	25.577	1745.384	2061.391	1.062	572.937	1.402	572.937	14.842
2/15/2018 7:30	34200	11.076	16.974	25.575	1745.538	2061.565	1.062	572.889	1.402	572.889	14.846
2/15/2018 7:45	35100	11.072	16.974	25.565	1745.707	2061.757	1.062	572.834	1.402	572.834	14.853
2/15/2018 8:00	36000	11.076	16.974	25.573	1745.729	2061.778	1.062	572.827	1.402	572.827	14.849
2/15/2018 8:15	36900	11.073	16.974	25.566	1745.447	2061.465	1.062	572.919	1.402	572.919	14.856
2/15/2018 8:30	37800	11.077	16.974	25.577	1745.504	2061.512	1.062	572.901	1.402	572.901	14.854

2/15/2018 8:45	38700	11/077	16394	25.575	1745.542	2061.566	1.062	1.402	572.888	1	14.86
2/15/2018 9:00	39600	11/077	16396	25.576	1745.372	2061.572	1.062	1.402	572.944	1	14.858
2/15/2018 9:15	40500	11/079	16395	25.581	1745.219	2061.108	1.062	1.402	572.994	1	14.859
2/15/2018 9:30	41400	11/074	16391	25.57	1744.788	2060.6	1.061	1.401	573.152	1	14.864
2/15/2018 9:45	42300	11/067	16394	25.564	1745.41	2061.287	1.062	1.402	572.964	1	14.872
2/15/2018 10:00	43200	11/07	16394	25.56	1745.427	2061.434	1.062	1.402	572.926	1	14.87
2/15/2018 10:15	44100	11/08	16394	25.583	1745.38	2061.39	1.062	1.402	572.941	1	14.861
2/15/2018 10:30	45000	11/077	16395	25.576	1745.433	2061.417	1.062	1.402	572.924	1	14.864
2/15/2018 10:45	45900	11/074	16394	25.574	1745.115	2061.069	1.061	1.401	573.025	1	14.864
2/15/2018 11:00	46800	11/075	16394	25.572	1745.319	2061.29	1.062	1.402	572.961	1	14.866
2/15/2018 11:15	47700	11/077	16394	25.577	1745.404	2061.411	1.062	1.402	572.931	1	14.86
2/15/2018 11:30	48600	11/082	16394	25.588	1745.308	2060.287	1.062	1.402	572.965	1	14.853
2/15/2018 11:45	49500	11/08	16394	25.582	1745.195	2061.148	1.062	1.402	573.002	1	14.855
2/15/2018 12:00	50400	11/082	16394	25.589	1745.217	2061.185	1.062	1.402	572.995	1	14.85
2/15/2018 12:15	51300	11/075	16394	25.576	1745.117	2061.055	1.061	1.401	573.024	1	14.852
2/15/2018 12:30	52200	11/074	16394	25.568	1745.238	2061.21	1.062	1.402	572.988	1	14.853
2/15/2018 12:45	53100	11/082	16394	25.587	1745.25	2061.225	1.062	1.402	572.984	1	14.842
2/15/2018 13:00	54000	11/074	16394	25.568	1745.167	2061.147	1.062	1.402	572.954	1	14.847
2/15/2018 13:15	54900	11/078	16394	25.579	1745.112	2061.066	1.061	1.402	573.029	1	14.839
2/15/2018 13:30	55800	11/08	16394	25.583	1745.189	2061.145	1.062	1.402	573.004	1	14.834
2/15/2018 13:45	56700	11/075	16394	25.572	1745.219	2061.07	1.061	1.402	573.027	1	14.837
2/15/2018 14:00	57600	11/075	16394	25.571	1745.092	2061.022	1.061	1.401	573.036	1	14.836
2/15/2018 14:15	58500	11/073	16394	25.568	1745.194	2061.146	1.062	1.402	573.002	1	14.837
2/15/2018 14:30	59400	11/077	16394	25.576	1745.341	2061.122	1.062	1.402	572.954	1	14.832
2/15/2018 14:45	60300	11/074	16394	25.57	1745.26	2061.233	1.062	1.402	572.981	1	14.834
2/15/2018 15:00	61200	11/083	16394	25.591	1745.183	2061.146	1.062	1.402	573.006	1	14.824
2/15/2018 15:15	62100	11/08	16394	25.583	1745.074	2061.004	1.061	1.401	573.061	1	14.826
2/15/2018 15:30	63000	11/073	16394	25.566	1745.151	2061.1	1.062	1.402	573.016	1	14.832
2/15/2018 15:45	63900	11/079	16394	25.581	1745.315	2061.298	1.062	1.402	572.962	1	14.826
2/15/2018 16:00	64800	11/075	16394	25.577	1745.345	2061.325	1.062	1.402	572.927	1	14.827
2/15/2018 16:15	65700	11/082	16394	25.589	1744.952	2060.849	1.061	1.401	572.982	1	14.822
2/15/2018 16:30	66600	11/075	16394	25.573	1744.935	2060.853	1.061	1.401	573.087	1	14.827
2/15/2018 16:45	67500	11/078	16394	25.579	1745.319	2061.31	1.062	1.402	572.961	1	14.827
2/15/2018 17:00	68400	11/074	16394	25.562	1745.248	2060.209	1.062	1.402	572.976	1	14.834
2/15/2018 17:15	69300	11/076	16394	25.573	1745.147	2061.086	1.061	1.402	573.018	1	14.831
2/15/2018 17:30	70200	11/082	16394	25.589	1745.131	2061.076	1.061	1.402	573.023	1	14.827
2/15/2018 17:45	71100	11/074	16394	25.569	1745.18	2061.142	1.062	1.402	573.007	1	14.836
2/15/2018 18:00	72000	11/073	16394	25.567	1745.155	2061.096	1.062	1.402	573.015	1	14.84
2/15/2018 18:15	72900	11/074	16394	25.569	1745.158	2061.08	1.062	1.402	573.014	1	14.84
2/15/2018 18:30	73800	11/081	16394	25.581	1745.204	2061.154	1.062	1.401	573.099	1	14.839
2/15/2018 18:45	74700	11/07	16394	25.56	1745.063	2060.995	1.061	1.401	573.045	1	14.849
2/15/2018 19:00	75600	11/072	16394	25.566	1745.135	2061.088	1.061	1.402	573.022	1	14.848
2/15/2018 19:15	76500	11/078	16394	25.574	1744.717	2060.646	1.061	1.401	573.141	1	14.847
2/15/2018 19:30	77400	11/07	16394	25.561	1744.648	2060.513	1.061	1.401	573.182	1	14.853
2/15/2018 19:45	78300	11/079	16394	25.581	1744.719	2060.585	1.061	1.401	573.182	1	14.848
2/15/2018 20:00	79200	11/075	16394	25.58	1745.015	2060.913	1.061	1.401	573.061	1	14.85
2/15/2018 20:15	80100	11/075	16394	25.572	1744.923	2060.843	1.061	1.401	573.091	1	14.855
2/15/2018 20:30	81000	11/069	16394	25.557	1744.852	2060.742	1.061	1.401	573.115	1	14.864
2/15/2018 20:45	81900	11/072	16394	25.572	1745.012	2060.912	1.062	1.401	573.062	1	14.859
2/15/2018 21:00	82800	11/072	16394	25.565	1745.16	2061.123	1.062	1.402	573.013	1	14.865
2/15/2018 21:15	83700	11/07	16394	25.561	1745.188	2061.135	1.062	1.402	573.004	1	14.867
2/15/2018 21:30	84600	11/075	16394	25.571	1744.955	2060.856	1.061	1.401	573.081	1	14.865
2/15/2018 21:45	85500	11/074	16394	25.569	1744.933	2060.813	1.061	1.401	573.085	1	14.869
2/15/2018 22:00	86400	11/076	16394	25.574	1745.155	2061.105	1.062	1.401	573.015	1	14.864
2/15/2018 22:15	87300	11/075	16394	25.571	1745.011	2060.919	1.061	1.401	573.062	1	14.872
2/15/2018 22:30	88200	11/08	16394	25.583	1745.087	2061.037	1.061	1.401	573.037	1	14.87
2/15/2018 22:45	89100	11/076	16394	25.574	1745.059	2060.983	1.061	1.401	573.046	1	14.872
2/15/2018 23:00	90000	11/079	16394	25.58	1744.843	2060.749	1.061	1.401	573.117	1	14.872
2/15/2018 23:15	90900	11/078	16394	25.572	1744.712	2060.661	1.061	1.401	573.141	1	14.87
2/15/2018 23:30	91800	11/073	16394	25.567	1744.675	2060.557	1.061	1.401	573.166	1	14.877
2/15/2018 23:45	92700	11/078	16394	25.578	1744.86	2060.756	1.061	1.401	573.112	1	14.873
2/16/2018 0:00	93600	11/073	16394	25.573	1744.814	2060.688	1.061	1.401	573.127	1	14.874
2/16/2018 0:15	94500	11/082	16394	25.588	1744.913	2060.822	1.061	1.401	573.088	1	14.869
2/16/2018 0:30	95400	11/079	16394	25.58	1744.701	2060.552	1.061	1.401	573.164	1	14.871
2/16/2018 0:45	96300	11/074	16394	25.573	1744.705	2060.644	1.061	1.401	573.143	1	14.875
2/16/2018 1:00	97200	11/082	16394	25.589	1745.134	2061.072	1.062	1.402	573.022	1	14.865
2/16/2018 1:15	98100	11/082	16394	25.588	1745.062	2060.979	1.061	1.401	573.046	1	14.864
2/16/2018 1:30	99000	11/079	16394	25.579	1744.706	2060.645	1.061	1.401	573.121	1	14.868
2/16/2018 1:45	99900	11/085	16394	25.595	1744.575	2060.403	1.061	1.401	573.206	1	14.862
2/16/2018 2:00	100800	11/075	16394	25.572	1744.934	2060.855	1.061	1.401	573.088	1	14.87
2/16/2018 2:15	101700	11/08	16394	25.584	1744.718	2060.647	1.061	1.401	573.129	1	14.865
2/16/2018 2:30	102600	11/087	16394	25.599	1744.709	2060.561	1.061	1.401	573.162	1	14.87
2/16/2018 2:45	103500	11/083	16394	25.591	1745.087	2061.02	1.061	1.401	573.037	1	14.859
2/16/2018 3:00	104400	11/08	16394	25.586	1744.865	2060.75	1.061	1.401	573.11	1	14.859
2/16/2018 3:15	105300	11/086	16394	25.597	1744.618	2060.486	1.061	1.401	573.185	1	14.853
2/16/2018 3:30	106200	11/08	16394	25.583	1744.781	2060.667	1.061	1.401	573.138	1	14.856
2/16/2018 3:45	107100	11/085	16394	25.596	1744.813	2060.672	1.061	1.401	573.128	1	14.848
2/16/2018 4:00	108000	11/089	16394	25.604	1744.734	2060.583	1.061	1.401	573.157	1	14.841
2/16/2018 4:15	108900	11/082	16394	25.587	1744.929	2060.829	1.061	1.401	573.089	1	14.847
2/16/2018 4:30	109800	11/083	16394	25.589	1744.945	2060.837	1.061	1.401	573.084	1	14.844
2/16/2018 4:45	110700	11/078	16394	25.578	1745.039	2060.959	1.061	1.401	573.051	1	14.846
2/16/2018 5:00	111600	11/078	16394	25.564	1744.683	2060.535	1.061	1.401	573.137	1	14.854
2/16/2018 5:15	112500	11/087	16394	25.6	1744.643	2060.472	1.061	1.401	573.183	1	14.858
2/16/2018 5:30	113400	11/084	16394	25.605	1745.056	2060.964	1.061	1.401	573.054	1	14.859
2/16/2018 5:45	114300	11/08	16394	25.584	1744.822	2060.708	1.061	1.401	573.124	1	14.844
2/16/2018 6:00	115200	11/087	16394	25.6	1744.529	2060.842	1.061	1.401	573.089	1	14.847
2/16/2018 6:15	116100	11/081	16394	25.595	1744.801	2060.777	1.061	1.401	573.105	1	14.845
2/16/2018 6:30	117000	11/08	16394	25.584	1744.893	2060.795	1.061	1.401	573.101	1	14.847
2/16/2018 6:45											

2/17/2018 2:30	189000	11.085	16.975	25.594	1744.395	2060.179	1.061	1.401	573.265	1	14.813
2/17/2018 2:45	189900	11.084	16.975	25.593	1744.245	2060.013	1.061	1.401	573.314	1	14.814
2/17/2018 3:00	190800	11.087	16.975	25.599	1744.332	2060.116	1.061	1.401	573.286	1	14.816
2/17/2018 3:15	191700	11.08	16.975	25.584	1744.406	2060.195	1.061	1.401	573.261	1	14.811
2/17/2018 3:30	192600	11.084	16.975	25.584	1744.435	2060.229	1.061	1.401	573.252	1	14.811
2/17/2018 3:45	193500	11.08	16.974	25.584	1744.443	2060.256	1.061	1.401	573.246	1	14.815
2/17/2018 4:00	194400	11.083	16.974	25.59	1744.308	2060.095	1.061	1.401	573.293	1	14.81
2/17/2018 4:15	195300	11.089	16.975	25.605	1744.342	2060.12	1.061	1.401	573.282	1	14.801
2/17/2018 4:30	196200	11.086	16.975	25.597	1744.342	2060.124	1.061	1.401	573.282	1	14.804
2/17/2018 4:45	197100	11.087	16.975	25.599	1744.161	2059.903	1.061	1.401	573.341	1	14.8
2/17/2018 5:00	198000	11.086	16.975	25.596	1744.347	2060.117	1.061	1.401	573.281	1	14.798
2/17/2018 5:15	198900	11.092	16.975	25.61	1744.386	2060.168	1.061	1.401	573.268	1	14.792
2/17/2018 5:30	199800	11.085	16.975	25.596	1744.33	2060.118	1.061	1.401	573.286	1	14.798
2/17/2018 5:45	200700	11.085	16.975	25.596	1744.24	2060	1.061	1.401	573.316	1	14.796
2/17/2018 6:00	201600	11.084	16.974	25.59	1744.325	2060.116	1.061	1.401	573.288	1	14.798
2/17/2018 6:15	202500	11.086	16.974	25.596	1744.426	2060.236	1.061	1.401	573.254	1	14.796
2/17/2018 6:30	203400	11.09	16.975	25.607	1744.408	2060.19	1.061	1.401	573.26	1	14.79
2/17/2018 6:45	204300	11.081	16.975	25.585	1744.429	2060.247	1.061	1.401	573.225	1	14.804
2/17/2018 7:00	205200	11.082	16.975	25.587	1744.249	2060.018	1.061	1.401	573.313	1	14.801
2/17/2018 7:15	206100	11.081	16.975	25.586	1744.183	2059.94	1.061	1.401	573.334	1	14.803
2/17/2018 7:30	207000	11.085	16.974	25.594	1744.128	2059.887	1.061	1.401	573.249	1	14.8
2/17/2018 7:45	207900	11.08	16.975	25.584	1744.323	2060.106	1.061	1.401	573.288	1	14.805
2/17/2018 8:00	208800	11.081	16.975	25.586	1744.286	2060.051	1.061	1.401	573.3	1	14.81
2/17/2018 8:15	209700	11.081	16.975	25.596	1744.203	2059.833	1.061	1.401	573.361	1	14.808
2/17/2018 8:30	210600	11.082	16.974	25.588	1744.155	2059.82	1.061	1.401	573.344	1	14.807
2/17/2018 8:45	211500	11.074	16.975	25.571	1744.106	2059.849	1.061	1.401	573.36	1	14.816
2/17/2018 9:00	212400	11.08	16.975	25.584	1744.267	2060.039	1.061	1.401	573.37	1	14.81
2/17/2018 9:15	213300	11.082	16.975	25.587	1744.226	2059.991	1.061	1.401	573.32	1	14.811
2/17/2018 9:30	214200	11.078	16.975	25.579	1744.135	2059.876	1.061	1.401	573.35	1	14.813
2/17/2018 9:45	215100	11.084	16.975	25.593	1744.048	2059.769	1.061	1.401	573.379	1	14.807
2/17/2018 10:00	216000	11.079	16.975	25.582	1744.309	2060.081	1.061	1.401	573.291	1	14.811
2/17/2018 10:15	216900	11.076	16.974	25.574	1744.014	2059.737	1.061	1.401	573.39	1	14.813
2/17/2018 10:30	217800	11.082	16.975	25.587	1743.641	2059.28	1.061	1.4	573.512	1	14.806
2/17/2018 10:45	218700	11.077	16.975	25.577	1743.971	2059.682	1.061	1.401	573.404	1	14.807
2/17/2018 11:00	219600	11.072	16.975	25.564	1744.131	2059.883	1.061	1.401	573.352	1	14.811
2/17/2018 11:15	220500	11.078	16.975	25.58	1744.07	2059.799	1.061	1.401	573.372	1	14.805
2/17/2018 11:30	221400	11.075	16.975	25.569	1744.155	2059.861	1.061	1.401	573.344	1	14.802
2/17/2018 11:45	222300	11.077	16.975	25.575	1744.379	2060.176	1.061	1.401	573.27	1	14.802
2/17/2018 12:00	223200	11.079	16.975	25.582	1744.211	2059.948	1.061	1.401	573.325	1	14.797
2/17/2018 12:15	224100	11.08	16.975	25.607	1744.135	2059.868	1.061	1.401	573.35	1	14.793
2/17/2018 12:30	225000	11.078	16.975	25.579	1744.146	2059.881	1.061	1.401	573.346	1	14.793
2/17/2018 12:45	225900	11.088	16.975	25.602	1744.072	2059.801	1.061	1.401	573.371	1	14.78
2/17/2018 13:00	226800	11.083	16.975	25.593	1744.037	2059.756	1.061	1.401	573.362	1	14.78
2/17/2018 13:15	227700	11.081	16.975	25.586	1744.099	2059.82	1.061	1.401	573.362	1	14.779
2/17/2018 13:30	228600	11.078	16.975	25.58	1744.133	2059.857	1.061	1.401	573.351	1	14.78
2/17/2018 13:45	229500	11.09	16.975	25.605	1744.235	2059.985	1.061	1.401	573.317	1	14.786
2/17/2018 14:00	230400	11.078	16.975	25.578	1744.219	2059.958	1.061	1.401	573.323	1	14.775
2/17/2018 14:15	231300	11.078	16.975	25.58	1744.205	2059.959	1.061	1.401	573.327	1	14.773
2/17/2018 14:30	232200	11.08	16.975	25.589	1744.26	2060.011	1.061	1.401	573.309	1	14.778
2/17/2018 14:45	233100	11.08	16.975	25.584	1744.202	2059.959	1.061	1.401	573.328	1	14.769
2/17/2018 15:00	234000	11.078	16.975	25.578	1744.192	2059.922	1.061	1.401	573.331	1	14.77
2/17/2018 15:15	234900	11.079	16.975	25.582	1744.116	2059.849	1.061	1.401	573.336	1	14.768
2/17/2018 15:30	235800	11.08	16.975	25.583	1744.04	2059.775	1.061	1.401	573.371	1	14.767
2/17/2018 15:45	236700	11.078	16.975	25.58	1743.927	2059.622	1.061	1.401	573.418	1	14.767
2/17/2018 16:00	237600	11.081	16.975	25.585	1744.085	2059.821	1.061	1.401	573.361	1	14.764
2/17/2018 16:15	238500	11.075	16.975	25.572	1744.184	2059.813	1.061	1.401	573.334	1	14.769
2/17/2018 16:30	239400	11.076	16.974	25.573	1744.1	2059.846	1.061	1.401	573.362	1	14.77
2/17/2018 16:45	240300	11.086	16.975	25.597	1744.069	2059.776	1.061	1.401	573.371	1	14.76
2/17/2018 17:00	241200	11.074	16.975	25.57	1743.851	2059.521	1.061	1.4	573.441	1	14.771
2/17/2018 17:15	242100	11.085	16.975	25.594	1743.853	2059.543	1.061	1.4	573.443	1	14.76
2/17/2018 17:30	243000	11.082	16.975	25.588	1744.154	2059.885	1.061	1.401	573.344	1	14.763
2/17/2018 17:45	243900	11.079	16.975	25.582	1743.971	2059.807	1.061	1.401	573.404	1	14.764
2/17/2018 18:00	244800	11.088	16.975	25.601	1744.027	2059.756	1.061	1.401	573.386	1	14.759
2/17/2018 18:15	245700	11.078	16.975	25.579	1744.114	2059.858	1.061	1.401	573.397	1	14.764
2/17/2018 18:30	246600	11.077	16.975	25.577	1744.151	2059.884	1.061	1.401	573.345	1	14.768
2/17/2018 18:45	247500	11.081	16.975	25.586	1743.996	2059.708	1.061	1.401	573.396	1	14.759
2/17/2018 19:00	248400	11.085	16.975	25.595	1743.94	2059.645	1.061	1.401	573.414	1	14.757
2/17/2018 19:15	249300	11.08	16.975	25.589	1743.791	2059.462	1.061	1.401	573.461	1	14.757
2/17/2018 19:30	250200	11.082	16.975	25.589	1743.983	2059.708	1.061	1.401	573.4	1	14.759
2/17/2018 19:45	251100	11.079	16.975	25.582	1743.853	2059.534	1.061	1.4	573.443	1	14.76
2/17/2018 20:00	252000	11.084	16.975	25.594	1743.613	2059.284	1.061	1.401	573.522	1	14.757
2/17/2018 20:15	252900	11.088	16.975	25.601	1743.883	2059.582	1.061	1.401	573.433	1	14.754
2/17/2018 20:30	253800	11.085	16.975	25.596	1743.98	2059.684	1.061	1.401	573.401	1	14.752
2/17/2018 20:45	254700	11.08	16.975	25.601	1743.902	2059.621	1.061	1.401	573.427	1	14.751
2/17/2018 21:00	255600	11.082	16.974	25.589	1743.957	2059.681	1.061	1.401	573.409	1	14.752
2/17/2018 21:15	256500	11.084	16.975	25.592	1744.046	2059.746	1.061	1.401	573.379	1	14.751
2/17/2018 21:30	257400	11.083	16.975	25.591	1743.965	2059.683	1.061	1.401	573.406	1	14.75
2/17/2018 21:45	258300	11.082	16.975	25.588	1743.971	2059.669	1.061	1.401	573.404	1	14.751
2/17/2018 22:00	259200	11.083	16.975	25.591	1743.974	2059.689	1.061	1.401	573.403	1	14.748
2/17/2018 22:15	260100	11.085	16.975	25.595	1744.019	2059.742	1.061	1.401	573.398	1	14.746
2/17/2018 22:30	261000	11.079	16.975	25.582	1743.7	2059.345	1.061	1.4	573.483	1	14.751
2/17/2018 22:45	261900	11.077	16.975	25.577	1743.688	2059.335	1.061	1.4	573.497	1	14.752
2/17/2018 23:00	262800	11.079	16.975	25.581	1743.924	2059.614	1.061	1.401	573.419	1	14.753
2/17/2018 23:15	263700	11.083	16.975	25.583	1743.929	2059.624	1.061	1.401	573.418	1	14.75
2/17/2018 23:30	264600	11.077	16.975	25.577	1743.623	2059.263	1.061	1.4	573.518	1	14.755
2/17/2018 23:45	265500	11.074	16.975	25.57	1743.609	2059.267	1.061	1.4	573.523	1	14.758
2/18/2018 0:00	266400	11.083	16.975	25.581	1743.895	2059.571</					

2/18/2018 20:15	339300	11.077	16.975	25.576	1743.29	2058.853	1.06	1.4	573.628	1	14.731
2/18/2018 20:20	340200	11.085	16.976	25.586	1743.139	2058.846	1.06	1.4	573.678	1	14.732
2/18/2018 20:45	341100	11.079	16.975	25.582	1743.208	2058.761	1.06	1.4	573.655	1	14.73
2/18/2018 21:00	342000	11.079	16.975	25.58	1743.241	2058.812	1.06	1.4	573.644	1	14.731
2/18/2018 21:15	342900	11.081	16.975	25.586	1743.065	2058.595	1.06	1.4	573.702	1	14.729
2/18/2018 21:30	343800	11.083	16.975	25.591	1743.156	2058.684	1.06	1.4	573.672	1	14.73
2/18/2018 21:45	344700	11.081	16.975	25.585	1743.217	2058.766	1.06	1.4	573.652	1	14.733
2/18/2018 22:00	345600	11.079	16.975	25.582	1743.176	2058.734	1.06	1.4	573.666	1	14.734
2/18/2018 22:15	346500	11.077	16.975	25.577	1743.141	2058.799	1.06	1.4	573.644	1	14.736
2/18/2018 22:30	347400	11.078	16.975	25.579	1743.164	2058.716	1.06	1.4	573.67	1	14.736
2/18/2018 22:45	348300	11.081	16.976	25.585	1743.126	2058.81	1.06	1.4	573.638	1	14.732
2/18/2018 23:00	349200	11.083	16.975	25.591	1743.116	2058.647	1.06	1.4	573.685	1	14.73
2/18/2018 23:15	350100	11.085	16.975	25.596	1743.117	2058.661	1.06	1.4	573.685	1	14.727
2/18/2018 23:30	351000	11.078	16.975	25.579	1742.683	2058.14	1.06	1.4	573.828	1	14.734
2/18/2018 23:45	351900	11.084	16.976	25.593	1742.885	2058.307	1.06	1.4	573.761	1	14.729
2/18/2018 0:00	352800	11.075	16.975	25.573	1743.123	2058.656	1.06	1.4	573.683	1	14.738
2/19/2018 0:15	353700	11.082	16.975	25.589	1743.123	2058.673	1.06	1.4	573.683	1	14.732
2/19/2018 0:30	354600	11.075	16.975	25.555	1743.091	2058.606	1.06	1.4	573.699	1	14.728
2/19/2018 0:45	355500	11.076	16.975	25.575	1743.123	2058.66	1.06	1.4	573.683	1	14.736
2/19/2018 1:00	356400	11.078	16.975	25.579	1743.1	2058.637	1.06	1.4	573.69	1	14.735
2/19/2018 1:15	357300	11.079	16.975	25.581	1743.141	2058.682	1.06	1.4	573.677	1	14.734
2/19/2018 1:30	358200	11.08	16.975	25.584	1743.072	2058.591	1.06	1.4	573.7	1	14.733
2/19/2018 1:45	359100	11.076	16.975	25.573	1743.156	2058.707	1.06	1.4	573.672	1	14.739
2/19/2018 2:00	360000	11.082	16.976	25.589	1743.067	2058.569	1.06	1.4	573.701	1	14.732
2/19/2018 2:15	360900	11.077	16.975	25.577	1743.156	2058.711	1.06	1.4	573.672	1	14.738
2/19/2018 2:30	361800	11.081	16.975	25.586	1743.127	2058.665	1.06	1.4	573.682	1	14.733
2/19/2018 2:45	362700	11.08	16.975	25.582	1743.098	2058.646	1.06	1.4	573.691	1	14.733
2/19/2018 3:00	363600	11.087	16.975	25.598	1743.141	2058.686	1.06	1.4	573.677	1	14.726
2/19/2018 3:15	364500	11.088	16.975	25.602	1743.049	2058.568	1.06	1.4	573.707	1	14.722
2/19/2018 3:30	365400	11.084	16.975	25.592	1742.703	2058.168	1.06	1.4	573.821	1	14.725
2/19/2018 3:45	366300	11.082	16.975	25.588	1742.832	2058.332	1.06	1.4	573.778	1	14.726
2/19/2018 4:00	367200	11.08	16.975	25.583	1743.123	2058.673	1.06	1.4	573.683	1	14.728
2/19/2018 4:15	368100	11.082	16.975	25.589	1742.907	2058.409	1.06	1.4	573.754	1	14.724
2/19/2018 4:30	369000	11.079	16.975	25.582	1742.711	2058.177	1.06	1.4	573.816	1	14.723
2/19/2018 4:45	369900	11.083	16.976	25.589	1742.56	2057.57	1.06	1.399	573.868	1	14.723
2/19/2018 5:00	370800	11.086	16.976	25.598	1742.388	2057.787	1.06	1.399	573.925	1	14.719
2/19/2018 5:15	371700	11.085	16.975	25.601	1742.655	2058.103	1.06	1.399	573.837	1	14.722
2/19/2018 5:30	372600	11.082	16.976	25.589	1742.924	2058.404	1.06	1.4	573.749	1	14.723
2/19/2018 5:45	373500	11.081	16.975	25.586	1742.896	2058.387	1.06	1.4	573.758	1	14.723
2/19/2018 6:00	374400	11.079	16.975	25.581	1742.791	2058.261	1.06	1.4	573.792	1	14.725
2/19/2018 6:15	375300	11.076	16.975	25.573	1742.851	2058.338	1.06	1.4	573.773	1	14.73
2/19/2018 6:30	376200	11.081	16.975	25.585	1742.908	2058.398	1.06	1.4	573.754	1	14.726
2/19/2018 6:45	377100	11.082	16.976	25.589	1742.936	2058.418	1.06	1.4	573.748	1	14.724
2/19/2018 7:00	378000	11.084	16.975	25.593	1742.846	2058.336	1.06	1.4	573.774	1	14.722
2/19/2018 7:15	378900	11.084	16.976	25.592	1742.95	2058.439	1.06	1.4	573.74	1	14.723
2/19/2018 7:30	379800	11.08	16.975	25.583	1742.814	2058.314	1.06	1.4	573.783	1	14.726
2/19/2018 7:45	380700	11.087	16.975	25.599	1742.834	2058.327	1.06	1.4	573.778	1	14.722
2/19/2018 8:00	381600	11.08	16.975	25.584	1742.46	2058.113	1.06	1.4	573.835	1	14.731
2/19/2018 8:15	382500	11.075	16.975	25.58	1742.645	2058.092	1.06	1.4	573.84	1	14.737
2/19/2018 8:30	383400	11.074	16.976	25.57	1742.642	2058.08	1.06	1.399	573.841	1	14.743
2/19/2018 8:45	384300	11.077	16.976	25.576	1742.351	2057.732	1.06	1.399	573.937	1	14.742
2/19/2018 9:00	385200	11.082	16.976	25.589	1742.527	2057.956	1.06	1.399	573.89	1	14.74
2/19/2018 9:15	386100	11.078	16.975	25.578	1742.586	2058.017	1.06	1.399	573.86	1	14.743
2/19/2018 9:30	387000	11.077	16.975	25.577	1742.919	2058.423	1.06	1.4	573.75	1	14.747
2/19/2018 9:45	387900	11.076	16.976	25.56	1742.616	2058.044	1.06	1.4	573.85	1	14.754
2/19/2018 10:00	388800	11.07	16.975	25.561	1742.454	2057.837	1.06	1.399	573.903	1	14.755
2/19/2018 10:15	389700	11.074	16.975	25.57	1742.616	2058.052	1.06	1.399	573.85	1	14.752
2/19/2018 10:30	390600	11.075	16.976	25.567	1742.752	2058.209	1.06	1.4	573.805	1	14.754
2/19/2018 10:45	391500	11.078	16.975	25.579	1742.893	2058.309	1.06	1.4	573.795	1	14.756
2/19/2018 11:00	392400	11.078	16.976	25.579	1742.747	2058.2	1.06	1.4	573.807	1	14.749
2/19/2018 11:15	393300	11.078	16.975	25.58	1742.796	2058.282	1.06	1.4	573.79	1	14.748
2/19/2018 11:30	394200	11.076	16.975	25.569	1742.717	2058.13	1.06	1.4	573.813	1	14.752
2/19/2018 11:45	395100	11.073	16.975	25.566	1742.67	2058.129	1.06	1.4	573.832	1	14.755
2/19/2018 12:00	396000	11.074	16.975	25.57	1742.613	2058.066	1.06	1.399	573.851	1	14.752
2/19/2018 12:15	396900	11.086	16.976	25.596	1742.569	2057.989	1.06	1.399	573.805	1	14.745
2/19/2018 12:30	397800	11.08	16.975	25.583	1742.769	2058.238	1.06	1.4	573.799	1	14.753
2/19/2018 12:45	398700	11.084	16.975	25.592	1742.692	2058.142	1.06	1.4	573.825	1	14.74
2/19/2018 13:00	399600	11.075	16.975	25.571	1742.796	2057.979	1.06	1.4	573.883	1	14.747
2/19/2018 13:15	400500	11.075	16.976	25.573	1742.429	2057.812	1.06	1.399	573.912	1	14.746
2/19/2018 13:30	401400	11.076	16.975	25.575	1742.363	2057.758	1.06	1.399	573.963	1	14.745
2/19/2018 13:45	402300	11.082	16.976	25.597	1742.632	2058.064	1.06	1.399	573.844	1	14.754
2/19/2018 14:00	403200	11.082	16.976	25.588	1742.578	2057.995	1.06	1.399	573.862	1	14.748
2/19/2018 14:15	404100	11.083	16.976	25.59	1742.699	2058.135	1.06	1.4	573.822	1	14.737
2/19/2018 14:30	405000	11.081	16.975	25.591	1742.668	2058.11	1.06	1.4	573.813	1	14.735
2/19/2018 14:45	405900	11.078	16.976	25.578	1742.492	2057.902	1.06	1.399	573.891	1	14.741
2/19/2018 15:00	406800	11.072	16.976	25.564	1742.534	2057.939	1.06	1.399	573.877	1	14.744
2/19/2018 15:15	407700	11.082	16.976	25.588	1742.542	2057.969	1.06	1.399	573.84	1	14.738
2/19/2018 15:30	408600	11.074	16.975	25.57	1742.602	2058.036	1.06	1.399	573.855	1	14.742
2/19/2018 15:45	409500	11.079	16.976	25.581	1742.46	2058.089	1.06	1.4	573.835	1	14.742
2/19/2018 16:00	410400	11.075	16.976	25.582	1742.516	2057.935	1.06	1.399	573.881	1	14.739
2/19/2018 16:15	411300	11.078	16.975	25.578	1742.381	2057.718	1.06	1.399	573.929	1	14.743
2/19/2018 16:30	412200	11.075	16.975	25.571	1742.408	2057.82	1.06	1.399	573.918	1	14.747
2/19/2018 16:45	413100	11.079	16.975	25.581	1742.492	2057.898	1.06	1.399	573.891	1	14.744
2/19/2018 17:00	414000	11.075	16.975	25.579	1742.556	2057.965	1.06	1.399	573.868	1	14.746
2/19/2018 17:15	414900	11.078	16.975	25.578	1742.613	2058.053	1.06	1.399	573.851	1	14.746
2/19/2018 17:30	415800	11.077	16.975	25.576	1742.431	2057.817	1.06	1.399	573.911	1	14.747
2/19/2018 17:45	416700	11.076	16.976	25.566	1742.413	2057.803	1.06	1.399	573.917	1	14.754
2/19/2018 18:00	417600	11.078	16.975	25.579	1742.529	2057.95	1.06	1.399	573.879	1	

2/20/2018 14:00	489600	11.072	16.976	25.566	1741.58	2056.817	1.059	1.399	574.195	1	14.832
2/20/2018 14:15	489500	11.076	16.976	25.574	1741.424	2056.625	1.059	1.399	574.243	1	14.827
2/20/2018 14:30	491400	11.071	16.976	25.562	1741.731	2057.003	1.059	1.399	574.241	1	14.833
2/20/2018 14:45	492300	11.071	16.976	25.562	1741.813	2057.092	1.059	1.399	574.115	1	14.833
2/20/2018 15:00	493200	11.073	16.976	25.568	1741.85	2057.131	1.059	1.399	574.102	1	14.832
2/20/2018 15:15	494100	11.078	16.976	25.579	1741.857	2057.126	1.059	1.399	574.102	1	14.827
2/20/2018 15:30	495000	11.071	16.976	25.562	1741.89	2057.175	1.059	1.399	574.089	1	14.831
2/20/2018 15:45	495900	11.071	16.976	25.564	1741.854	2057.125	1.059	1.399	574.101	1	14.834
2/20/2018 16:00	496800	11.074	16.976	25.569	1741.738	2056.979	1.059	1.399	574.139	1	14.835
2/20/2018 16:15	497700	11.069	16.976	25.558	1741.597	2056.829	1.059	1.399	574.186	1	14.831
2/20/2018 16:30	498600	11.073	16.975	25.567	1741.662	2056.943	1.059	1.399	574.164	1	14.831
2/20/2018 16:45	499500	11.081	16.976	25.586	1741.808	2057.074	1.059	1.399	574.116	1	14.822
2/20/2018 17:00	500400	11.068	16.976	25.555	1741.732	2056.977	1.059	1.399	574.141	1	14.834
2/20/2018 17:15	501300	11.074	16.976	25.57	1741.692	2056.921	1.059	1.399	574.154	1	14.827
2/20/2018 17:30	502200	11.07	16.976	25.56	1741.752	2056.962	1.059	1.399	574.134	1	14.832
2/20/2018 17:45	503100	11.075	16.976	25.572	1741.677	2056.936	1.059	1.399	574.159	1	14.829
2/20/2018 18:00	504000	11.069	16.976	25.557	1741.668	2056.913	1.059	1.399	574.162	1	14.836
2/20/2018 18:15	504900	11.077	16.976	25.577	1741.615	2056.866	1.059	1.399	574.161	1	14.828
2/20/2018 18:30	505800	11.074	16.976	25.57	1741.489	2056.705	1.059	1.399	574.221	1	14.83
2/20/2018 18:45	506700	11.076	16.976	25.574	1741.392	2056.583	1.059	1.398	574.253	1	14.829
2/20/2018 19:00	507600	11.072	16.976	25.566	1741.673	2056.915	1.059	1.399	574.161	1	14.822
2/20/2018 19:15	508500	11.079	16.976	25.582	1741.52	2056.726	1.059	1.399	574.211	1	14.826
2/20/2018 19:30	509400	11.069	16.976	25.559	1741.46	2056.667	1.059	1.399	574.231	1	14.835
2/20/2018 19:45	510300	11.072	16.976	25.565	1741.311	2056.515	1.059	1.398	574.275	1	14.833
2/20/2018 20:00	511200	11.072	16.976	25.564	1741.452	2056.657	1.059	1.399	574.234	1	14.834
2/20/2018 20:15	512100	11.071	16.976	25.563	1741.496	2056.714	1.059	1.399	574.219	1	14.837
2/20/2018 20:30	513000	11.074	16.976	25.569	1741.499	2056.705	1.059	1.399	574.218	1	14.834
2/20/2018 20:45	513900	11.067	16.976	25.552	1741.481	2056.602	1.059	1.399	574.224	1	14.843
2/20/2018 21:00	514800	11.076	16.976	25.565	1741.389	2056.575	1.059	1.398	574.254	1	14.838
2/20/2018 21:15	515700	11.085	16.976	25.55	1741.508	2056.728	1.059	1.399	574.215	1	14.846
2/20/2018 21:30	516600	11.078	16.976	25.58	1741.484	2056.708	1.059	1.399	574.221	1	14.833
2/20/2018 21:45	517500	11.07	16.976	25.561	1741.432	2056.642	1.059	1.399	574.24	1	14.84
2/20/2018 22:00	518400	11.073	16.976	25.567	1741.42	2056.632	1.059	1.399	574.244	1	14.838
2/20/2018 22:15	519300	11.076	16.976	25.572	1741.367	2056.545	1.059	1.398	574.262	1	14.835
2/20/2018 22:30	520200	11.076	16.976	25.574	1741.187	2056.345	1.059	1.398	574.321	1	14.836
2/20/2018 22:45	521100	11.07	16.976	25.56	1741.343	2056.533	1.059	1.398	574.269	1	14.84
2/20/2018 23:00	522000	11.076	16.976	25.583	1741.384	2056.589	1.059	1.399	574.253	1	14.837
2/20/2018 23:15	522900	11.067	16.976	25.554	1741.413	2056.62	1.059	1.399	574.246	1	14.842
2/20/2018 23:30	523800	11.071	16.976	25.563	1741.4	2056.613	1.059	1.398	574.251	1	14.838
2/20/2018 23:45	524700	11.072	16.976	25.572	1741.312	2056.496	1.059	1.398	574.28	1	14.833
2/21/2018 0:00	525600	11.078	16.975	25.578	1741.124	2056.295	1.059	1.398	574.342	1	14.829
2/21/2018 0:15	526500	11.076	16.976	25.574	1740.802	2055.89	1.059	1.398	574.448	1	14.83
2/21/2018 0:30	527400	11.08	16.976	25.575	1740.871	2055.966	1.059	1.398	574.425	1	14.83
2/21/2018 0:45	528300	11.07	16.976	25.561	1741.109	2056.244	1.059	1.398	574.317	1	14.834
2/21/2018 1:00	529200	11.072	16.976	25.565	1741.197	2056.369	1.059	1.398	574.348	1	14.832
2/21/2018 1:15	530100	11.08	16.976	25.583	1741.217	2056.384	1.059	1.398	574.311	1	14.823
2/21/2018 1:30	531000	11.08	16.976	25.583	1741.137	2056.29	1.059	1.398	574.328	1	14.821
2/21/2018 1:45	531900	11.082	16.976	25.588	1741.311	2056.491	1.059	1.398	574.27	1	14.818
2/21/2018 2:00	532800	11.074	16.976	25.57	1741.036	2056.166	1.059	1.398	574.371	1	14.826
2/21/2018 2:15	533700	11.079	16.976	25.581	1741.009	2056.13	1.059	1.398	574.38	1	14.818
2/21/2018 2:30	534600	11.078	16.976	25.58	1741.341	2056.531	1.059	1.398	574.27	1	14.818
2/21/2018 2:45	535500	11.076	16.976	25.574	1741.168	2056.338	1.059	1.398	574.327	1	14.821
2/21/2018 3:00	536400	11.081	16.976	25.586	1740.925	2056.023	1.059	1.398	574.407	1	14.815
2/21/2018 3:15	537300	11.087	16.976	25.599	1740.82	2055.899	1.059	1.398	574.442	1	14.807
2/21/2018 3:30	538200	11.073	16.976	25.567	1741.054	2056.172	1.059	1.398	574.365	1	14.82
2/21/2018 3:45	539100	11.08	16.976	25.584	1741.01	2056.132	1.059	1.398	574.379	1	14.811
2/21/2018 4:00	540000	11.085	16.976	25.595	1741.044	2056.176	1.059	1.398	574.368	1	14.805
2/21/2018 4:15	540900	11.083	16.976	25.589	1741.075	2056.208	1.059	1.398	574.38	1	14.808
2/21/2018 4:30	541800	11.08	16.976	25.581	1741.151	2056.303	1.059	1.398	574.31	1	14.811
2/21/2018 4:45	542700	11.08	16.976	25.584	1741.152	2056.299	1.059	1.398	574.332	1	14.812
2/21/2018 5:00	543600	11.073	16.976	25.567	1740.965	2056.078	1.059	1.398	574.394	1	14.82
2/21/2018 5:15	544500	11.076	16.976	25.56	1741.101	2056.247	1.059	1.398	574.346	1	14.823
2/21/2018 5:30	545400	11.075	16.976	25.572	1741.063	2056.195	1.059	1.398	574.362	1	14.82
2/21/2018 5:45	546300	11.076	16.975	25.574	1741.151	2056.322	1.059	1.398	574.377	1	14.821
2/21/2018 6:00	547200	11.079	16.976	25.571	1741.038	2056.171	1.059	1.398	574.37	1	14.822
2/21/2018 6:15	548100	11.076	16.976	25.574	1741.105	2056.257	1.059	1.398	574.348	1	14.82
2/21/2018 6:30	549000	11.081	16.976	25.585	1741.078	2056.211	1.059	1.398	574.357	1	14.816
2/21/2018 6:45	549900	11.08	16.976	25.589	1741.026	2056.122	1.059	1.398	574.353	1	14.823
2/21/2018 7:00	550800	11.071	16.976	25.562	1741.035	2056.169	1.059	1.398	574.371	1	14.828
2/21/2018 7:15	551700	11.07	16.976	25.561	1740.878	2055.58	1.059	1.398	574.437	1	14.83
2/21/2018 7:30	552600	11.076	16.976	25.563	1740.857	2055.927	1.059	1.398	574.438	1	14.831
2/21/2018 7:45	553500	11.075	16.976	25.573	1740.834	2055.94	1.059	1.398	574.437	1	14.827
2/21/2018 8:00	554400	11.081	16.976	25.585	1740.803	2055.895	1.059	1.398	574.448	1	14.822
2/21/2018 8:15	555300	11.075	16.976	25.572	1741.002	2056.146	1.059	1.398	574.382	1	14.828
2/21/2018 8:30	556200	11.071	16.976	25.563	1740.842	2055.937	1.059	1.398	574.435	1	14.832
2/21/2018 8:45	557100	11.076	16.976	25.574	1740.504	2055.538	1.058	1.398	574.546	1	14.827
2/21/2018 9:00	558000	11.07	16.976	25.559	1740.641	2055.704	1.059	1.398	574.501	1	14.832
2/21/2018 9:15	558900	11.073	16.976	25.568	1740.83	2055.923	1.059	1.398	574.439	1	14.829
2/21/2018 9:30	559800	11.077	16.976	25.576	1740.83	2055.923	1.059	1.398	574.439	1	14.825
2/21/2018 9:45	560700	11.073	16.976	25.563	1740.864	2056.077	1.059	1.398	574.433	1	14.833
2/21/2018 10:00	561600	11.08	16.976	25.583	1740.828	2056.081	1.059	1.398	574.439	1	14.822
2/21/2018 10:15	562500	11.076	16.976	25.564	1740.493	2055.513	1.058	1.398	574.555	1	14.83
2/21/2018 10:30	563400	11.072	16.976	25.565	1740.628	2055.688	1.059	1.398	574.505	1	14.833
2/21/2018 10:45	564300	11.078	16.976	25.578	1740.803	2055.883	1.059	1.398	574.446	1	14.825
2/21/2018 11:00	565200	11.075	16.976	25.572	1740.827	2055.912	1.059	1.398	574.44	1	14.826
2/21/2018 11:15	566100	11.069	16.976	25.558	1740.827	2055.923	1.059	1.398	574.44	1	14.83
2/21/2018 11:30	567000	11.077	16.976	25.577	1740.7						

Report Date: 2/23/2018 14:44
Report User Name: AVanHalsma
Report Computer Name: WKST34
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties
File Name: MPWSP MW-7D LT Test_2018-02-22_10-52-19-157-BaroMerge.wsl
Create Date: 2/23/2018 14:43

Device Properties
Device: Aqua TROLL 300
Site: MPWSP MW-7D
Device Name:
Serial Number: 441205
Firmware Version: 2.01
Hardware Version: 4
Device Address: 1
Device Comm Cfg: 19200
Used Memory: 73
Used Battery: 33

Log Configuration
Log Name: MPWSP MW-7D LT Test
Created By: WMassoll
Computer Name: TAILT001
Application: WinSitu.exe
Application Version: 5.6.27.1
Create Date: 11/16/2017 9:55:15 AM Pacific Standard Time
Log Setup Time Zone: Pacific Standard Time
Notes Size(bytes): 4096
Overwrite when full: Enabled
Scheduled Start Time: 11/16/2017 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: Specific Gravity
Depth: 1.012

Other Log Settings
Depth of Probe: 302.744 (ft)
Head Pressure: 132.823 (PSI)
Temperature: 19.2316 (C)
Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191
TDS Factor: 0.68

Log Notes:
Date and Time: Note
11/16/2017 9:55 Used Battery: 33% Used Memory: 70% User Name: WMassoll
11/23/2017 11:56 Log Download - Used Battery: 33% Used Memory: 76% User Name: AVanHalsma Interval - Start Time: 11/15/2017 10:00:00 AM Stop Time: 11/23/2017 12:43:44 PM
11/23/2017 11:59 Log Download - Used Battery: 33% Used Memory: 76% User Name: AVanHalsma Interval - Start Time: 11/15/2017 10:00:00 PM Stop Time: 11/23/2017 11:45:00 AM
12/1/2017 10:46 Log Download - Used Battery: 34% Used Memory: 78% User Name: AVanHalsma Interval - Start Time: 10/31/2017 10:00:00 PM Stop Time: 12/1/2017 11:45:00 AM
12/7/2017 9:56 Log Download - Used Battery: 34% Used Memory: 78% User Name: WMassoll Interval - Start Time: 11/29/2017 10:00:00 PM Stop Time: 12/7/2017 12:15:00 PM
12/14/2017 10:58 Log Download - Used Battery: 34% Used Memory: 79% User Name: WMassoll Interval - Start Time: 12/6/2017 10:00:00 PM Stop Time: 12/14/2017 10:30:00 AM
12/21/2017 8:18 Log Download - Used Battery: 35% Used Memory: 79% User Name: AVanHalsma Interval - Start Time: 12/13/2017 10:00:00 PM Stop Time: 12/21/2017 9:15:00 AM
1/4/2018 12:46 Log Download - Used Battery: 35% Used Memory: 81% User Name: WMassoll Interval - Start Time: 11/30/2017 10:00:00 PM Stop Time: 1/4/2018 9:15:00 PM
1/11/2018 8:06 Log Download - Used Battery: 36% Used Memory: 82% User Name: AVanHalsma Interval - Start Time: 1/3/2018 10:00:00 PM Stop Time: 1/11/2018 9:00:00 AM
1/18/2018 9:43 Log Download - Used Battery: 36% Used Memory: 82% User Name: WMassoll Interval - Start Time: 1/10/2018 10:00:00 PM Stop Time: 1/18/2018 11:00:00 AM
1/26/2018 9:56 Log Download - Used Battery: 37% Used Memory: 84% User Name: WMassoll Interval - Start Time: 1/17/2018 10:00:00 PM Stop Time: 1/26/2018 11:15:00 AM
2/1/2018 15:37 Log Download - Used Battery: 37% Used Memory: 84% User Name: WMassoll Interval - Start Time: 12/13/2017 10:00:00 PM Stop Time: 2/1/2018 4:00:00 PM
2/8/2018 7:29 Log Download - Used Battery: 37% Used Memory: 85% User Name: AVanHalsma Interval - Start Time: 1/31/2018 10:00:00 PM Stop Time: 2/8/2018 7:15:00 PM
2/8/2018 7:31 Log Download - Used Battery: 37% Used Memory: 85% User Name: AVanHalsma Interval - Start Time: 1/31/2018 10:00:00 PM Stop Time: 2/8/2018 8:30:00 AM
2/8/2018 7:36 Log Download - Used Battery: 37% Used Memory: 85% User Name: AVanHalsma Interval - Start Time: 1/31/2018 10:00:00 PM Stop Time: 2/8/2018 8:30:00 AM
2/15/2018 8:12 Log Download - Used Battery: 38% Used Memory: 85% User Name: AVanHalsma Interval - Start Time: 2/7/2018 10:00:00 PM Stop Time: 2/15/2018 9:00:00 AM
2/22/2018 10:51 Log Download - Used Battery: 38% Used Memory: 87% User Name: WMassoll Interval - Start Time: 2/14/2018 10:00:00 PM Stop Time: 2/22/2018 11:45:00 AM
2/23/2018 14:43 User Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll_2018-02-22_16-56-22-545.wsl"

Log Data:
Record Count: 724
Sensors: 2
441205 PCTD 300 PSIA (200.7m/658.7ft)
2 0 Baro-Adjustment Calc:

Time Zone: Pacific Standard Time

Date and Time	Elapsed Time Seconds	Sensor: PCTD(A) 658.7ft SNR: 441205 Corrected Pressure (PSI)	Sensor: PCTD(A) 658.7ft SNR: 441205 Corrected Temperature (C)	Sensor: PCTD(A) 658.7ft SNR: 441205 Corrected Depth (ft)	Sensor: PCTD(A) 658.7ft SNR: 441205 Actual Conductivity (uS)	Sensor: PCTD(A) 658.7ft SNR: 441205 Specific Conductivity (uS)	Sensor: PCTD(A) 658.7ft SNR: 441205 Salinity (PSU)	Sensor: PCTD(A) 658.7ft SNR: 441205 Total Dissolved Solids (ppt)	Sensor: PCTD(A) 658.7ft SNR: 441205 Resistivity (ohm-cm)	Sensor: PCTD(A) 658.7ft SNR: 441205 Water Density (g/cm3)	Sensor: Baro-Adj Calc SNR: 000000 Barometric Pressure (PSI)
2/15/2018 0:00	7200	117.704	19.217	268.283	34229.445	38479.719	24.692	26.156	29.215	1.017	14.831
2/15/2018 0:15	8100	117.706	19.217	268.294	34239.277	38491.063	24.7	26.174	29.206	1.017	14.829
2/15/2018 0:30	9000	117.712	19.216	268.301	34219.594	38469.289	24.685	26.159	29.223	1.017	14.831
2/15/2018 0:45	9900	117.711	19.217	268.299	34231.688	38482.598	24.694	26.168	29.213	1.017	14.836
2/15/2018 1:00	10800	117.703	19.217	268.282	34196.344	38442.797	24.666	26.141	29.243	1.017	14.835
2/15/2018 1:15	11700	117.715	19.216	268.308	34204.266	38452.414	24.673	26.148	29.236	1.017	14.83
2/15/2018 1:30	12600	117.721	19.216	268.322	34236.051	38487.582	24.698	26.172	29.209	1.017	14.829
2/15/2018 1:45	13500	117.716	19.216	268.312	34211.406	38460.238	24.678	26.153	29.23	1.017	14.835
2/15/2018 2:00	14400	117.706	19.216	268.289	34221.57	38471.441	24.686	26.161	29.221	1.017	14.835
2/15/2018 2:15	15300	117.706	19.216	268.289	34219.297	38469.109	24.685	26.159	29.223	1.017	14.831
2/15/2018 2:30	16200	117.737	19.217	268.36	34230.047	38480.688	24.693	26.167	29.214	1.017	14.83
2/15/2018 2:45	17100	117.697	19.216	268.268	34223.332	38473.492	24.688	26.162	29.22	1.017	14.834
2/15/2018 3:00	18000	117.705	19.216	268.287	34205.02	38453.188	24.673	26.148	29.235	1.017	14.826
2/15/2018 3:15	18900	117.704	19.216	268.284	34231.078	38482.352	24.694	26.168	29.213	1.017	14.825
2/15/2018 3:30	19800	117.693	19.217	268.259	34219.508	38468.902	24.685	26.159	29.223	1.017	14.831
2/15/2018 3:45	20700	117.707	19.216	268.291	34229.402	38480.469	24.693	26.167	29.215	1.017	14.824
2/15/2018 4:00	21600	117.701	19.217	268.277	34218.91	38467.727	24.684	26.158	29.224	1.017	14.823
2/15/2018 4:15	22500	117.685	19.217	268.241	34262.359	38516.789	24.719	26.187	29.187	1.017	14.832
2/15/2018 4:30	23400	117.688	19.216	268.246	34225.887	38477.62	24.69	26.164	29.218	1.017	14.825
2/15/2018 4:45	24300	117.687	19.216	268.246	34233.141	38484.449	24.696	26.169	29.211	1.017	14.82
2/15/2018 5:00	25200	117.688	19.217	268.246	34240.883	38492.648	24.701	26.175	29.205	1.017	14.825
2/15/2018 5:15	26100	117.68	19.216	268.229	34225.238	38475.855	24.69	26.164	29.218	1.017	14.831
2/15/2018 5:30	27000	117.683	19.216	268.235	34209.965	38458.824	24.677	26.152	29.231	1.017	14.824
2/15/2018 5:45	27900	117.685	19.216	268.24	34242.609	38494.953	24.703	26.177	29.203	1.017	14.827
2/15/2018 6:00	28800	117.686	19.216	268.243	34226.746	38477.328	24.691	26.165	29.217	1.017	14.832
2/15/2018 6:15	29700	117.683	19.216	268.237	34220.703	38470.465	24.686	26.16	29.222	1.017	14.829
2/15/2018 6:30	30600	117.687	19.217	268.246	34225.938	38476.133	24.69	26.164	29.218	1.017	14.837
2/15/2018 6:45	31500	117.678	19.216	268.224	34238.34	38490.293	24.7	26.173	29.207	1.017	14.837
2/15/2018 7:00	32400	117.686	19.217	268.242	34231.285	38482.145	24.694	26.168	29.213	1.017	14.844
2/15/2018 7:15	33300	117.697	19.216	268.267	34229.746	38480.855	24.693	26.167	29.214	1.017	14.842
2/15/2018 7:30	34200	117.699	19.216	268.273	34219.508	38469.344	24.685	26.159	29.223	1.017	14.846
2/15/2018 7:45	35100	117.698	19.216	268.27	34246.313	38499.547	24.706	26.18	29.2	1.017	14.853
2/15/2018 8:00	36000	117.697	19.216	268.309	34233.953	38485.652	24.696	26.17	29.211	1.017	14.849
2/15/2018 8:15	36900	117.708	19.218	268.292	34255.746	38508.637	24.713	26.186	29.192	1.017	14.856
2/15/2018 8:30	37800	117.713	19.216	268.304	34248.27	38501.457	24.708	26.181	29.199	1.017	14.854
2/15/2018 8:45	38700	117.71	19.216	268.297	34248.719	38501.82	24.708	26.181	29.198	1.017	14.86
2/15/2018 9:00	39600	117.721	19.217	268.321	34246.466	38496.969	24.705	26.178	29.202	1.017	14.861
2/15/2018 9:15	40500	117.725	19.216	268.331	34231.91	38481.066	24.695	26.168	29.213	1.017	14.859
2/15/2018 9:30	41400	117.728	19.217	268.338	34230.348	38490.922	24.7	26.174	29.206	1.017	14.864
2/15/2018 9:45	42300	117.718	19.216	268.314	34253.297	38507.109	24.712	26.185	29.194	1.017	14.872
2/15/2018 10:00	43200	117.713	19.217	268.342	34260.984	38515.465	24.718	26.191	29.188	1.017	14.87
2/15/2018 10:15	44100	117.75	19.216	268.389	34236.227	38487.918	24.698	26.172	29.209	1.017	14.861
2/15/2018 10:30	45000	117.757	19.216	268.404	34260.492	38515.195	24.717	26.188	29.197	1.017	14.864
2/15/2018 10:45	45900	117.749	19.217	268.380	34242.457	38494.703	24.703	26.184	29.204	1.017	14.866
2/15/2018 11:00	46800	117.754	19.217	268.397	34259.703	38513.883	24.717	26.189	29.189	1.017	14.866
2/15/2018 11:15	47700	117.75	19.217	268.389	34241.625	38493.766	24.702	26.176	29.204	1.017	14.86
2/15/2018 11:30	48600	117.767	19.216	268.427	34255.777	38509.898	24.714	26.187	29.192	1.017	14.853
2/15/2018 11:45	49500	117.765	19.216	268.423	34222.281	38472.309	24.687	26.161	29.221	1.017	14.855
2/15/2018 12:00	50400	117.76	19.216	268.412	34257.828	38512.555	24.716	26.189	29.197	1.017	14.85
2/15/2018 12:15	51300	117.759	19.217	268.41	34257.586	38511.32	24.715	26.188	29.191	1.017	14.852
2/15/2018 12:30	52200	117.757	19.217	268.408	34257.777	38513.596	24.719	26.192	29.189	1.017	14.853
2/15/2018 12:45	53100	117.764	19.215	268.421	34251.605	38506.285	24.711	26.184	29.196	1.017	14.842
2/15/2018 13:00	54000	117.752	19.216	268.394	34243.852	38496.711	24.704	26.182	29.202	1.017	14.847
2/15/2018 13:15	54900	117.753	19.216	268.395	34248.941	38502.355	24.708	26.178	29.198	1.017	14.839
2/15/2018 13:30	55800	117.755	19.217	268.399	34258.184	38512.25	24.715	26.188	29.19	1.017	14.834
2/15/2018 13:45	56700	117.736	19.216	268.357	34250.18	38503.535	24.709	26.182	29.197	1.017	14.837
2/15/2018 14:00	57600	117.73	19.216	268.344	34245.969	38499.094	24.706	26.179	29.201	1.017	14.836
2/15/2018 14:15	58500	117.758	19.216	268.408	34258.777	38516.596	24.716	26.189	29.19	1.017	14.837
2/15/2018 14:30	59400	117.725	19.216	268.332	34241.32	38493.867	24.702	26.176	29.204	1.017	14.832
2/15/2018 14:45	60300	117.712	19.217	268.302	34238.02	38489.648	24.699	26.173	29.207	1.017	14.834
2/15/2018 15:00	61200	117.715	19.216	268.308	34256.609	38511.125	24.715	26.188	29.191	1.017	14.824
2/15/2018 15:15	62100	117.691	19.216	268.255	34236.047	38487.645	24.698	26.172	29.209	1.017	14.826
2/15/2018 15:30	63000	117.675	19.216	268.218	34233.625	38485.422	24.696	26.17	29.211	1.017	14.832

2/15/2018 16:00	64800	117.665	19.216	268.194	34248.73	38502.328	24.708	26.182	29.198	1.017	14.827
2/15/2018 16:15	65700	117.574	19.216	267.987	34239.613	38492.078	24.701	26.175	29.186	1.017	14.822
2/15/2018 16:30	66600	117.641	19.216	268.14	34235.951	38486.898	24.697	26.171	29.21	1.017	14.827
2/15/2018 16:45	67500	117.637	19.216	268.131	34224.57	38475.035	24.689	26.163	29.219	1.017	14.827
2/15/2018 17:00	68400	117.621	19.216	268.094	34241.164	38493.898	24.702	26.176	29.205	1.017	14.834
2/15/2018 17:15	69300	117.612	19.216	268.072	34236.594	38488.055	24.699	26.173	29.219	1.017	14.831
2/15/2018 17:30	70200	117.608	19.216	268.064	34229.98	38481.25	24.693	26.167	29.207	1.017	14.827
2/15/2018 17:45	71100	117.592	19.216	268.027	34226.043	38476.824	24.69	26.164	29.218	1.017	14.836
2/15/2018 18:00	72000	117.582	19.216	268.005	34242.473	38495.008	24.703	26.177	29.203	1.017	14.84
2/15/2018 18:15	72900	117.584	19.216	267.968	34236.983	38458.031	24.677	26.151	29.212	1.017	14.844
2/15/2018 18:30	73800	117.574	19.216	267.986	34228.238	38478.938	24.692	26.166	29.216	1.017	14.839
2/15/2018 18:45	74700	117.555	19.216	267.944	34212.188	38460.965	24.679	26.153	29.229	1.017	14.849
2/15/2018 19:00	75600	117.563	19.216	267.963	34236.535	38488.691	24.699	26.172	29.209	1.017	14.848
2/15/2018 19:15	76500	117.562	19.216	267.961	34232.602	38483.988	24.695	26.169	29.212	1.017	14.847
2/15/2018 19:30	77400	117.549	19.216	267.931	34232.438	38484.012	24.695	26.169	29.212	1.017	14.853
2/15/2018 19:45	78300	117.559	19.216	267.954	34265.449	38521.125	24.722	26.194	29.184	1.017	14.848
2/15/2018 20:00	79200	117.55	19.217	267.933	34249.23	38502.384	24.708	26.183	29.198	1.017	14.85
2/15/2018 20:15	80100	117.535	19.216	267.898	34246.836	38499.707	24.706	26.18	29.2	1.017	14.855
2/15/2018 20:30	81000	117.538	19.216	267.906	34237.883	38490.285	24.7	26.173	29.207	1.017	14.864
2/15/2018 20:45	81900	117.549	19.216	267.928	34239.238	38491.238	24.7	26.174	29.206	1.017	14.859
2/15/2018 21:00	82800	117.55	19.216	267.932	34232.055	38483.734	24.695	26.169	29.212	1.017	14.865
2/15/2018 21:15	83700	117.545	19.217	267.921	34239.074	38490.836	24.7	26.174	29.206	1.017	14.867
2/15/2018 21:30	84600	117.543	19.216	267.917	34245.949	38499.141	24.706	26.179	29.201	1.017	14.865
2/15/2018 21:45	85500	117.557	19.217	267.949	34231.934	38482.738	24.694	26.169	29.212	1.017	14.869
2/15/2018 22:00	86400	117.565	19.216	267.968	34238.504	38490.477	24.7	26.17	29.207	1.017	14.869
2/15/2018 22:15	87300	117.563	19.217	267.963	34249.617	38502.32	24.708	26.182	29.197	1.017	14.872
2/15/2018 22:30	88200	117.574	19.216	267.987	34231.707	38482.836	24.695	26.178	29.213	1.017	14.87
2/15/2018 22:45	89100	117.562	19.217	267.96	34248.781	38501.813	24.708	26.181	29.198	1.017	14.872
2/15/2018 23:00	90000	117.58	19.216	268	34252.461	38506.676	24.711	26.185	29.195	1.017	14.872
2/15/2018 23:15	90900	117.591	19.216	268.026	34244.926	38498.051	24.705	26.179	29.201	1.017	14.87
2/15/2018 23:30	91800	117.584	19.217	268.014	34250.094	38501.152	24.709	26.182	29.197	1.017	14.877
2/15/2018 23:45	92700	117.592	19.216	268.028	34230.098	38480.887	24.693	26.174	29.214	1.017	14.873
2/16/2018 0:00	93600	117.591	19.217	268.025	34251.137	38504.176	24.71	26.183	29.196	1.017	14.874
2/16/2018 0:15	94500	117.598	19.216	268.043	34241.215	38493.457	24.702	26.176	29.205	1.017	14.869
2/16/2018 0:30	95400	117.587	19.216	268.025	34254.859	38498.608	24.706	26.182	29.201	1.017	14.871
2/16/2018 0:45	96300	117.597	19.216	268.04	34251.078	38504.613	24.71	26.183	29.196	1.017	14.873
2/16/2018 1:00	97200	117.603	19.216	268.052	34251.063	38504.664	24.71	26.186	29.196	1.017	14.865
2/16/2018 1:15	98100	117.614	19.216	268.078	34238.781	38490.859	24.7	26.174	29.207	1.017	14.864
2/16/2018 1:30	99000	117.613	19.216	268.076	34242.457	38495.215	24.703	26.177	29.204	1.017	14.868
2/16/2018 1:45	99900	117.62	19.216	268.091	34233.906	38485.531	24.696	26.17	29.211	1.017	14.862
2/16/2018 2:00	100800	117.611	19.216	268.072	34266.148	38521.699	24.722	26.195	29.183	1.017	14.87
2/16/2018 2:15	101700	117.611	19.216	268.072	34246.277	38499.219	24.706	26.179	29.2	1.017	14.865
2/16/2018 2:30	102600	117.623	19.216	268.1	34259.863	38514.918	24.717	26.19	29.189	1.017	14.858
2/16/2018 2:45	103500	117.608	19.216	268.065	34252.496	38506.563	24.711	26.184	29.195	1.017	14.859
2/16/2018 3:00	104400	117.617	19.216	268.085	34256.043	38510.266	24.714	26.187	29.197	1.017	14.859
2/16/2018 3:15	105300	117.608	19.217	268.065	34243.828	38496.246	24.704	26.177	29.202	1.017	14.853
2/16/2018 3:30	106200	117.591	19.217	268.027	34236.637	38488.16	24.698	26.172	29.208	1.017	14.856
2/16/2018 3:45	107100	117.611	19.216	268.073	34241.43	38516.828	24.719	26.191	29.187	1.017	14.848
2/16/2018 4:00	108000	117.618	19.216	268.087	34254.855	38509.269	24.713	26.186	29.193	1.017	14.841
2/16/2018 4:15	108900	117.607	19.216	268.063	34225.492	38475.996	24.69	26.163	29.218	1.017	14.847
2/16/2018 4:30	109800	117.604	19.216	268.055	34250.391	38504.063	24.71	26.184	29.197	1.017	14.844
2/16/2018 4:45	110700	117.6	19.216	268.047	34224.344	38474.488	24.689	26.174	29.219	1.017	14.846
2/16/2018 5:00	111600	117.582	19.216	268.007	34238.191	38490.195	24.7	26.173	29.207	1.017	14.854
2/16/2018 5:15	112500	117.607	19.216	268.063	34261.785	38516.719	24.719	26.191	29.187	1.017	14.838
2/16/2018 5:30	113400	117.603	19.217	268.053	34252.242	38505.637	24.713	26.184	29.195	1.017	14.839
2/16/2018 5:45	114300	117.61	19.216	268.031	34237.586	38489.59	24.699	26.173	29.208	1.017	14.844
2/16/2018 6:00	115200	117.607	19.216	268.062	34241.5	38494.199	24.701	26.176	29.204	1.017	14.837
2/16/2018 6:15	116100	117.589	19.216	268.023	34232.137	38483.25	24.695	26.169	29.212	1.017	14.845
2/16/2018 6:30	117000	117.585	19.216	268.013	34254.594	38508.859	24.713	26.188	29.193	1.017	14.847
2/16/2018 6:45	117900	117.592	19.216	268.042	34259.459	38487.777	24.698	26.178	29.209	1.017	14.852
2/16/2018 7:00	118800	117.595	19.216	268.034	34253.066	38507.203	24.712	26.185	29.194	1.017	14.853
2/16/2018 7:15	119700	117.589	19.216	268.021	34258.727	38513.566	24.716	26.189	29.197	1.017	14.859
2/16/2018 7:30	120600	117.597	19.216	268.045	34232.824	38484.238	24.695	26.169	29.212	1.017	14.857
2/16/2018 7:45	121500	117.594	19.216	268.034	34259.465	38514.188	24.717	26.19	29.189	1.017	14.865
2/16/2018 8:00	122400	117.597	19.217	268.04	34247.824	38500.602	24.707	26.18	29.199	1.017	14.865
2/16/2018 8:15	123300	117.599	19.217	268.045	34233.984	38485.18	24.696	26.179	29.211	1.017	14.871
2/16/2018 8:30	124200	117.602	19.216	268.053	34246.723	38496.859	24.704	26.18	29.202	1.017	14.868
2/16/2018 8:45	125100	117.62	19.216	268.091	34248.84	38502.242	24.708	26.182	29.197	1.017	14.858
2/16/2018 9:00	126000	117.619	19.216	268.089	34268.004	38523.641	24.723	26.196	29.182	1.017	14.862
2/16/2018 9:15	126900	117.627	19.216	268.125	34269.641	38516.725	24.725	26.187	29.183	1.017	14.863
2/16/2018 9:30	127800	117.63	19.216	268.114	34255.914	38510.555	24.714	26.187	29.192	1.017	14.864
2/16/2018 9:45	128700	117.627	19.216	268.109	34259.965	38514.895	24.717	26.19	29.189	1.017	14.867
2/16/2018 10:00	129600	117.64	19.216	268.138	34247.215	38500.34	24.71	26.18	29.199	1.017	14.86
2/16/2018 10:15	130500	117.631	19.216	268.118	34251.82	38507.766	24.713	26.185	29.194	1.017	14.863
2/16/2018 10:30	131400	117.66	19.216	268.182	34234.02	38485.297	24.696	26.17	29.211	1.017	14.857
2/16/2018 10:45	132300	117.652	19.216	268.165	34239.832	38492.117	24.701	26.175	29.206	1.017	14.858
2/16/2018 11:00	133200	117.654	19.216	268.171	34253.211	38507.363	24.712	26.185	29.194	1.017	14.856
2/16/2018 11:15	134100	117.659	19.216	268.205	34242.238	38494.605	24.703	26.176	29.204	1.017	14.847
2/16/2018 11:30	135000	117.664	19.216	268.192	34255.098	38509.707	24.714	26.187	29.193	1.017	14.849
2/16/2018 11:45	135900	117.672	19.217	268.21	34236.588	38488.48	24.699	26.172	29.208	1.017	14.84
2/16/2018 12:00	136800	117.671	19.217	268.213	34255.402	38509.254	24.713	26.182	29.196	1.017	14.837
2/16/2018 12:15	137700	117.675	19.216	268.217	34253.766	38507.637	24.712	26.185	29.		

2/17/2018 7:30	207000	117.457	19.216	267.721	34248.836	38502.445	24.708	26.182	29.198	1.017	14.8
2/17/2018 7:45	207900	117.451	19.216	267.721	34232.891	38484.313	24.696	26.169	29.212	1.017	14.805
2/17/2018 8:00	208800	117.461	19.215	267.73	34239.422	38492.375	24.701	26.175	29.206	1.017	14.81
2/17/2018 8:15	209700	117.457	19.216	267.72	34219.391	38468.992	24.685	26.159	29.223	1.017	14.808
2/17/2018 8:30	210600	117.457	19.216	267.721	34259.371	38514.082	24.717	26.19	29.189	1.017	14.807
2/17/2018 8:45	211500	117.449	19.216	267.702	34245.426	38498.984	24.706	26.179	29.197	1.017	14.816
2/17/2018 9:00	212400	117.461	19.216	267.729	34240	38492.664	24.701	26.175	29.206	1.017	14.81
2/17/2018 9:15	213300	117.458	19.216	267.724	34232.777	38484.547	24.696	26.169	29.212	1.017	14.81
2/17/2018 9:30	214200	117.464	19.216	267.738	34254.566	38508.605	24.713	26.186	29.193	1.017	14.813
2/17/2018 9:45	215100	117.471	19.216	267.752	34248.781	38502.254	24.708	26.186	29.198	1.017	14.807
2/17/2018 10:00	216000	117.474	19.216	267.76	34247.711	38500.973	24.707	26.181	29.199	1.017	14.811
2/17/2018 10:15	216900	117.478	19.216	267.768	34249.68	38503.043	24.709	26.187	29.197	1.017	14.813
2/17/2018 10:30	217800	117.473	19.216	267.758	34246.879	38500.246	24.707	26.18	29.2	1.017	14.806
2/17/2018 10:45	218700	117.487	19.216	267.789	34258.652	38513.199	24.716	26.189	29.19	1.017	14.807
2/17/2018 11:00	219600	117.483	19.216	267.78	34244.031	38497.199	24.705	26.178	29.202	1.017	14.811
2/17/2018 11:15	220500	117.489	19.216	267.793	34240.516	38492.002	24.701	26.175	29.205	1.017	14.805
2/17/2018 11:30	221400	117.488	19.216	267.791	34234.566	38486.344	24.697	26.171	29.21	1.017	14.806
2/17/2018 11:45	222300	117.489	19.216	267.793	34248.641	38502.449	24.708	26.182	29.198	1.017	14.802
2/17/2018 12:00	223200	117.494	19.216	267.804	34259.566	38514.156	24.717	26.19	29.189	1.017	14.797
2/17/2018 12:15	224100	117.527	19.216	267.836	34257.978	38511.191	24.715	26.188	29.191	1.017	14.793
2/17/2018 12:30	225000	117.495	19.216	267.808	34245.543	38498.898	24.706	26.179	29.201	1.017	14.793
2/17/2018 12:45	225900	117.511	19.216	267.845	34234.828	38486.348	24.697	26.171	29.21	1.017	14.78
2/17/2018 13:00	226800	117.502	19.216	267.823	34238.336	38490.434	24.7	26.173	29.207	1.017	14.78
2/17/2018 13:15	227700	117.502	19.215	267.824	34236.959	38477.551	24.691	26.165	29.217	1.017	14.779
2/17/2018 13:30	228600	117.498	19.217	267.813	34256.586	38510.301	24.714	26.187	29.191	1.017	14.78
2/17/2018 13:45	229500	117.512	19.216	267.846	34252.766	38507.016	24.712	26.185	29.195	1.017	14.766
2/17/2018 14:00	230400	117.493	19.216	267.804	34207.211	38485.59	24.675	26.174	29.234	1.017	14.775
2/17/2018 14:15	231300	117.491	19.216	267.799	34245.07	38498.367	24.706	26.179	29.201	1.017	14.773
2/17/2018 14:30	232200	117.49	19.216	267.796	34264.875	38520.195	24.721	26.194	29.184	1.017	14.767
2/17/2018 14:45	233100	117.487	19.216	267.788	34236.297	38488.426	24.698	26.172	29.209	1.017	14.769
2/17/2018 15:00	234000	117.469	19.216	267.748	34258.422	38512.73	24.716	26.189	29.19	1.017	14.77
2/17/2018 15:15	234900	117.47	19.216	267.75	34246.387	38499.633	24.708	26.18	29.2	1.017	14.768
2/17/2018 15:30	235800	117.456	19.216	267.718	34265.293	38521.168	24.722	26.194	29.184	1.017	14.767
2/17/2018 15:45	236700	117.452	19.215	267.71	34254.027	38508.795	24.713	26.186	29.194	1.017	14.767
2/17/2018 16:00	237600	117.469	19.216	267.742	34257.712	38508.852	24.713	26.193	29.193	1.017	14.764
2/17/2018 16:15	238500	117.458	19.216	267.722	34245.773	38499.301	24.706	26.18	29.201	1.017	14.769
2/17/2018 16:30	239400	117.423	19.215	267.643	34219.949	38470.484	24.686	26.16	29.223	1.017	14.77
2/17/2018 16:45	240300	117.427	19.216	267.65	34228.172	38479.086	24.692	26.166	29.216	1.017	14.76
2/17/2018 17:00	241200	117.402	19.215	267.594	34235.637	38487.98	24.698	26.172	29.209	1.017	14.771
2/17/2018 17:15	242100	117.403	19.215	267.598	34253.168	38508.195	24.712	26.186	29.194	1.017	14.76
2/17/2018 17:30	243000	117.391	19.215	267.571	34241.305	38494.422	24.703	26.176	29.204	1.017	14.763
2/17/2018 17:45	243900	117.382	19.216	267.551	34226.07	38477.551	24.691	26.167	29.217	1.017	14.754
2/17/2018 18:00	244800	117.366	19.216	267.514	34214.207	38463.234	24.681	26.155	29.228	1.017	14.759
2/17/2018 18:15	245700	117.359	19.215	267.498	34227.176	38478.539	24.691	26.165	29.217	1.017	14.764
2/17/2018 18:30	246600	117.343	19.216	267.461	34227.438	38478.291	24.691	26.165	29.216	1.017	14.765
2/17/2018 18:45	247500	117.346	19.215	267.468	34237.426	38490.129	24.7	26.173	29.208	1.017	14.759
2/17/2018 19:00	248400	117.335	19.216	267.443	34238.16	38490.383	24.7	26.173	29.207	1.017	14.757
2/17/2018 19:15	249300	117.335	19.216	267.444	34191.289	38437.828	24.663	26.138	29.247	1.017	14.757
2/17/2018 19:30	250200	117.321	19.216	267.429	34239.883	38492.824	24.702	26.176	29.206	1.017	14.759
2/17/2018 19:45	251100	117.319	19.216	267.406	34258.121	38512.887	24.716	26.189	29.197	1.017	14.76
2/17/2018 20:00	252000	117.313	19.216	267.392	34255.406	38482.852	24.695	26.169	29.213	1.017	14.755
2/17/2018 20:15	252900	117.319	19.216	267.404	34205.484	38453.648	24.674	26.158	29.235	1.017	14.754
2/17/2018 20:30	253800	117.309	19.216	267.383	34232.543	38484.352	24.696	26.169	29.212	1.017	14.752
2/17/2018 20:45	254700	117.31	19.216	267.386	34244.668	38498.059	24.705	26.179	29.202	1.017	14.748
2/17/2018 21:00	255600	117.303	19.216	267.371	34236.52	38488.176	24.698	26.172	29.209	1.017	14.752
2/17/2018 21:15	256500	117.312	19.216	267.391	34232.59	38483.828	24.696	26.169	29.21	1.017	14.751
2/17/2018 21:30	257400	117.308	19.216	267.381	34241.797	38484.473	24.703	26.176	29.204	1.017	14.747
2/17/2018 21:45	258300	117.316	19.215	267.399	34227.57	38478.98	24.692	26.166	29.216	1.017	14.751
2/17/2018 22:00	259200	117.317	19.216	267.402	34244.52	38497.102	24.705	26.17	29.202	1.017	14.748
2/17/2018 22:15	260100	117.326	19.216	267.421	34268.852	38495.719	24.725	26.18	29.197	1.017	14.746
2/17/2018 22:30	261000	117.31	19.215	267.386	34243.102	38496.594	24.704	26.178	29.203	1.017	14.751
2/17/2018 22:45	261900	117.323	19.216	267.415	34267.219	38522.621	24.723	26.195	29.182	1.017	14.752
2/17/2018 23:00	262800	117.327	19.216	267.424	34255.879	38510.156	24.714	26.186	29.192	1.017	14.753
2/17/2018 23:15	263700	117.34	19.216	267.454	34256.574	38510.723	24.714	26.187	29.191	1.017	14.75
2/17/2018 23:30	264600	117.337	19.217	267.447	34245.801	38498.328	24.706	26.179	29.201	1.017	14.755
2/17/2018 23:45	265500	117.341	19.217	267.457	34246.297	38498.887	24.706	26.179	29.2	1.017	14.758
2/18/2018 0:00	266400	117.344	19.216	267.461	34249.422	38495.984	24.725	26.18	29.197	1.017	14.754
2/18/2018 0:15	267300	117.348	19.216	267.472	34237.34	38489.391	24.699	26.183	29.207	1.017	14.753
2/18/2018 0:30	268200	117.354	19.216	267.487	34232.055	38483.227	24.695	26.169	29.212	1.017	14.747
2/18/2018 0:45	269100	117.361	19.216	267.502	34245.508	38511.711	24.721	26.193	29.193	1.017	14.743
2/18/2018 1:00	270000	117.368	19.216	267.519	34250.02	38503.355	24.709	26.182	29.197	1.017	14.746
2/18/2018 1:15	270900	117.367	19.217	267.515	34255.156	38508.98	24.713	26.186	29.193	1.017	14.751
2/18/2018 1:30	271800	117.361	19.216	267.502	34260.184	38514.852	24.717	26.189	29.188	1.017	14.746
2/18/2018 1:45	272700	117.374	19.216	267.533	34272.598	38529.16	24.727	26.19	29.178	1.017	14.74
2/18/2018 2:00	273600	117.371	19.216	267.524	34238.273	38490.078	24.7	26.173	29.207	1.017	14.748
2/18/2018 2:15	274500	117.374	19.217	267.533	34255.441	38508.867	24.713	26.186	29.192	1.017	14.74
2/18/2018 2:30	275400	117.382	19.216	267.524	34266.676	38522.524	24.722	26.193	29.183	1.017	14.743
2/18/2018 2:45	276300	117.368	19.216	267.519	34256.262	38510.512	24.714	26.187	29.192	1.017	14.74
2/18/2018 3:00	277200	117.375	19.216	267.533	34253.621	38507.902	24.712	26.185	29.194	1.017	14.736
2/18/2018 3:15	278100	117.379	19.216	267.544	34256.508	38511.293	24.715	26.188	29.192	1.017	14.742
2/18/2018 3:30	279000	117.377	19.216	267.525	34256.215	38510.531	24.714	26.187	29.193	1.017	14.738
2/18/2018 3:45	279900	117.37	19.216	267.522							

2/19/2018 23:00	349200	117.321	19.216	267.411	34266.137	38522.047	24.722	26.195	29.183	1.017	14.793
2/19/2018 23:15	350100	117.331	19.217	267.441	34358.414	38523.803	24.724	26.196	29.181	1.017	14.727
2/19/2018 23:30	351000	117.339	19.217	267.452	34261.957	38516.625	24.719	26.191	29.187	1.017	14.734
2/19/2018 23:45	351900	117.342	19.216	267.458	34252.969	38506.602	24.711	26.184	29.195	1.017	14.729
2/19/2018 0:00	352800	117.347	19.217	267.47	34284.293	38541.602	24.736	26.208	29.168	1.017	14.738
2/19/2018 0:15	353700	117.349	19.216	267.495	34266.906	38522.406	24.723	26.192	29.183	1.017	14.732
2/19/2018 0:30	354600	117.371	19.216	267.524	34267.238	38523.074	24.723	26.196	29.182	1.017	14.730
2/19/2018 0:45	355500	117.378	19.216	267.542	34260.051	38515.352	24.718	26.19	29.189	1.017	14.736
2/19/2018 1:00	356400	117.379	19.217	267.543	34279.668	38536.25	24.732	26.205	29.172	1.017	14.735
2/19/2018 1:15	357300	117.384	19.217	267.554	34235.316	38486.465	24.697	26.171	29.21	1.017	14.734
2/19/2018 1:30	358200	117.402	19.217	267.596	34253.984	38507.375	24.712	26.185	29.194	1.017	14.733
2/19/2018 1:45	359100	117.397	19.216	267.584	34255.621	38510.148	24.714	26.187	29.192	1.017	14.739
2/19/2018 2:00	360000	117.411	19.216	267.612	34250.16	38501.875	24.709	26.183	29.197	1.017	14.732
2/19/2018 2:15	360900	117.412	19.216	267.618	34204.082	38451.641	24.672	26.147	29.236	1.017	14.738
2/19/2018 2:30	361800	117.419	19.216	267.633	34263.805	38519.066	24.72	26.193	29.185	1.017	14.733
2/19/2018 2:45	362700	117.413	19.216	267.62	34274.727	38531.059	24.729	26.201	29.176	1.017	14.733
2/19/2018 3:00	363600	117.434	19.217	267.668	34266.512	38521.525	24.722	26.195	29.183	1.017	14.726
2/19/2018 3:15	364500	117.441	19.217	267.685	34236.207	38487.246	24.698	26.171	29.209	1.017	14.722
2/19/2018 3:30	365400	117.433	19.217	267.665	34294.789	38553.246	24.745	26.216	29.159	1.017	14.725
2/19/2018 3:45	366300	117.456	19.217	267.671	34270.044	38526.289	24.725	26.198	29.167	1.017	14.726
2/19/2018 4:00	367200	117.442	19.217	267.687	34290.746	38548.988	24.741	26.213	29.162	1.017	14.728
2/19/2018 4:15	368100	117.444	19.216	267.69	34273.004	38529.191	24.727	26.2	29.177	1.017	14.724
2/19/2018 4:30	369000	117.449	19.217	267.702	34274.785	38531.047	24.729	26.201	29.176	1.017	14.727
2/19/2018 4:45	369900	117.459	19.216	267.714	34259.066	38513.453	24.716	26.189	29.189	1.017	14.723
2/19/2018 5:00	370800	117.456	19.216	267.719	34277.059	38533.965	24.731	26.187	29.179	1.017	14.719
2/19/2018 5:15	371700	117.45	19.216	267.706	34255.777	38509.828	24.714	26.203	29.192	1.017	14.722
2/19/2018 5:30	372600	117.448	19.217	267.693	34274.133	38518.728	24.728	26.177	29.202	1.017	14.723
2/19/2018 5:45	373500	117.447	19.216	267.699	34284.668	38542.598	24.737	26.209	29.168	1.017	14.723
2/19/2018 6:00	374400	117.454	19.216	267.714	34239.223	38491.793	24.701	26.174	29.206	1.017	14.725
2/19/2018 6:15	375300	117.444	19.217	267.691	34265.309	38519.961	24.721	26.194	29.184	1.017	14.73
2/19/2018 6:30	376200	117.444	19.216	267.692	34254.031	38507.793	24.712	26.193	29.184	1.017	14.736
2/19/2018 6:45	377100	117.45	19.217	267.704	34263.961	38518.52	24.72	26.193	29.173	1.017	14.724
2/19/2018 7:00	378000	117.449	19.217	267.702	34249.484	38502.539	24.709	26.182	29.198	1.017	14.722
2/19/2018 7:15	378900	117.445	19.217	267.693	34253.215	38506.668	24.711	26.185	29.194	1.017	14.723
2/19/2018 7:30	379800	117.445	19.216	267.69	34236.293	38487.982	24.698	26.18	29.209	1.017	14.726
2/19/2018 7:45	380700	117.445	19.216	267.693	34264.445	38519.5	24.721	26.185	29.193	1.017	14.722
2/19/2018 8:00	381600	117.45	19.216	267.704	34260.977	38516.246	24.718	26.191	29.188	1.017	14.731
2/19/2018 8:15	382500	117.444	19.216	267.69	34269.402	38525.145	24.725	26.197	29.187	1.017	14.737
2/19/2018 8:30	383400	117.453	19.216	267.712	34267.027	38522.688	24.723	26.195	29.183	1.017	14.743
2/19/2018 8:45	384300	117.451	19.217	267.706	34270.207	38525.613	24.725	26.197	29.18	1.017	14.742
2/19/2018 9:00	385200	117.455	19.216	267.717	34267.18	38522.785	24.723	26.195	29.182	1.017	14.74
2/19/2018 9:15	386100	117.463	19.216	267.734	34262.996	38517.793	24.719	26.186	29.186	1.017	14.742
2/19/2018 9:30	387000	117.459	19.216	267.725	34270.383	38526.387	24.725	26.198	29.187	1.017	14.747
2/19/2018 9:45	387900	117.447	19.216	267.698	34265.574	38520.98	24.722	26.194	29.184	1.017	14.754
2/19/2018 10:00	388800	117.456	19.216	267.72	34254.088	38507.578	24.712	26.185	29.195	1.017	14.755
2/19/2018 10:15	389700	117.468	19.217	267.747	34280.043	38537.32	24.733	26.205	29.171	1.017	14.752
2/19/2018 10:30	390600	117.472	19.217	267.755	34267.434	38522.063	24.722	26.195	29.172	1.017	14.754
2/19/2018 10:45	391500	117.475	19.217	267.762	34262.402	38516.695	24.719	26.191	29.187	1.017	14.749
2/19/2018 11:00	392400	117.482	19.217	267.777	34257.707	38512.066	24.715	26.188	29.192	1.017	14.749
2/19/2018 11:15	393300	117.493	19.216	267.803	34272.746	38528.832	24.727	26.2	29.178	1.017	14.748
2/19/2018 11:30	394200	117.502	19.217	267.824	34252.957	38506	24.711	26.184	29.195	1.017	14.753
2/19/2018 11:45	395100	117.494	19.217	267.826	34276.645	38522.848	24.73	26.202	29.174	1.017	14.755
2/19/2018 12:00	396000	117.501	19.216	267.82	34265.797	38521.23	24.722	26.194	29.184	1.017	14.752
2/19/2018 12:15	396900	117.522	19.217	267.869	34263.602	38517.754	24.719	26.192	29.185	1.017	14.739
2/19/2018 12:30	397800	117.514	19.217	267.851	34257.91	38511.5	24.715	26.188	29.19	1.017	14.745
2/19/2018 12:45	398700	117.538	19.217	267.905	34268.859	38532.32	24.724	26.197	29.181	1.017	14.74
2/19/2018 13:00	399600	117.532	19.217	267.891	34284.113	38541.027	24.736	26.208	29.168	1.017	14.747
2/19/2018 13:15	400500	117.536	19.218	267.9	34264.156	38518.309	24.72	26.192	29.185	1.017	14.746
2/19/2018 13:30	401400	117.542	19.216	267.915	34251.223	38504.613	24.71	26.183	29.196	1.017	14.745
2/19/2018 13:45	402300	117.546	19.217	267.947	34233.293	38483.762	24.695	26.169	29.211	1.017	14.74
2/19/2018 14:00	403200	117.558	19.217	267.95	34251.402	38504.551	24.71	26.196	29.196	1.017	14.738
2/19/2018 14:15	404100	117.566	19.217	267.968	34286.805	38543.918	24.738	26.166	29.187	1.017	14.737
2/19/2018 14:30	405000	117.561	19.217	267.953	34266.324	38521.469	24.722	26.183	29.195	1.017	14.735
2/19/2018 14:45	405900	117.561	19.218	267.957	34282.051	38538.352	24.734	26.206	29.17	1.017	14.741
2/19/2018 15:00	406800	117.558	19.217	267.952	34287.527	38545.234	24.739	26.211	29.165	1.017	14.744
2/19/2018 15:15	407700	117.571	19.217	267.981	34233.16	38483.905	24.695	26.169	29.211	1.017	14.734
2/19/2018 15:30	408600	117.565	19.217	267.967	34256.623	38512.714	24.714	26.19	29.202	1.017	14.742
2/19/2018 15:45	409500	117.571	19.217	267.98	34275.781	38531.957	24.729	26.202	29.175	1.017	14.742
2/19/2018 16:00	410400	117.559	19.217	267.952	34252.48	38505.613	24.711	26.184	29.195	1.017	14.749
2/19/2018 16:15	411300	117.562	19.217	267.982	34252.242	38505.418	24.711	26.185	29.194	1.017	14.743
2/19/2018 16:30	412200	117.547	19.216	267.925	34276.445	38532.992	24.73	26.202	29.175	1.017	14.747
2/19/2018 16:45	413100	117.557	19.217	267.95	34259.277	38513.477	24.716	26.18	29.189	1.017	14.744
2/19/2018 17:00	414000	117.557	19.217	267.948	34248.012	38500.227	24.707	26.189	29.199	1.017	14.745
2/19/2018 17:15	414900	117.549	19.217	267.927	34264.207	38519.09	24.72	26.185	29.19	1.017	14.746
2/19/2018 17:30	415800	117.543	19.218	267.917	34253.77	38506.34	24.711	26.184	29.194	1.017	14.747
2/19/2018 17:45	416700	117.536	19.217	267.901	34290.723	38548.754	24.741	26.213	29.162	1.017	14.754
2/19/2018 18:00	417600	117.527	19.217	267.924	34248.629	38519.216	24.714	26.188	29.192	1.017	14.758
2/19/2018 18:15	418500	117.529	19.217	267.885	34269.293	38524.112	24.736	26.196	29.181	1.017	14.751
2/19/2018 18:30	419400	117.533	19.217	267.893	34277.504	38533.461	24.73	26.203	29.174	1.017	14.752
2/19/2018 18:45	420300	117.521	19.217	267.866	34278.737	38534.953	24.732	26.204	29.173	1.017	14.761
2/19/2018 19:00	421200	117.534	19.217	267.876	34265.473	38520.797	24.721	26.19	29.186	1.017	14.767
2/19/2018 19:15	422100	117.515	19.217	267.852	34252.324	38505.438	24.711	26.195	29.184	1.017	14.764

2/20/2018 14:30	491400	117.648	19.218	268.157	34264.656	38518.723	24.72	26.193	29.185	1.017	14.833
2/20/2018 14:45	492300	117.647	19.217	267.96	34271.945	38526.992	24.726	26.213	29.183	1.017	14.838
2/20/2018 15:00	493200	117.652	19.218	268.187	34254.394	38507.871	24.712	26.185	29.193	1.017	14.832
2/20/2018 15:15	494100	117.651	19.217	268.163	34265.383	38520.188	24.721	26.194	29.184	1.017	14.827
2/20/2018 15:30	495000	117.644	19.217	268.146	34275.465	38531.305	24.729	26.201	29.175	1.017	14.833
2/20/2018 15:45	495900	117.651	19.217	268.164	34260.012	38513.648	24.716	26.191	29.189	1.017	14.833
2/20/2018 16:00	496800	117.653	19.217	268.168	34289.191	38546.52	24.724	26.212	29.164	1.017	14.835
2/20/2018 16:15	497700	117.644	19.218	268.147	34267.512	38522.008	24.722	26.195	29.182	1.017	14.834
2/20/2018 16:30	498600	117.645	19.217	268.149	34261.656	38515.645	24.718	26.187	29.187	1.017	14.831
2/20/2018 16:45	499500	117.645	19.217	268.161	34265.719	38520.422	24.721	26.194	29.184	1.017	14.822
2/20/2018 17:00	500400	117.631	19.217	268.116	34246.484	38499.02	24.706	26.179	29.2	1.017	14.834
2/20/2018 17:15	501300	117.644	19.217	268.147	34255.27	38508.602	24.713	26.186	29.193	1.017	14.827
2/20/2018 17:30	502200	117.635	19.217	267.951	34236.977	38521.691	24.722	26.183	29.183	1.017	14.832
2/20/2018 17:45	503100	117.632	19.217	268.119	34268.797	38523.738	24.724	26.196	29.181	1.017	14.829
2/20/2018 18:00	504000	117.621	19.217	268.094	34262.746	38516.871	24.719	26.191	29.186	1.017	14.836
2/20/2018 18:15	504900	117.615	19.217	268.081	34259.273	38513.176	24.716	26.189	29.189	1.017	14.828
2/20/2018 18:30	505800	117.601	19.218	267.989	34250.281	38547.383	24.74	26.212	29.163	1.017	14.83
2/20/2018 18:45	506700	117.607	19.217	268.062	34276.707	38532.852	24.73	26.202	29.174	1.017	14.829
2/20/2018 19:00	507600	117.596	19.217	268.036	34270.098	38525.418	24.725	26.197	29.18	1.017	14.832
2/20/2018 19:15	508500	117.597	19.217	268.039	34259.051	38512.378	24.716	26.189	29.189	1.017	14.826
2/20/2018 19:30	509400	117.58	19.217	268.001	34273.367	38529.453	24.728	26.2	29.177	1.017	14.835
2/20/2018 19:45	510300	117.585	19.217	268.012	34298.137	38556.867	24.747	26.219	29.156	1.017	14.833
2/20/2018 20:00	511200	117.578	19.217	267.996	34293.664	38551.629	24.743	26.215	29.16	1.017	14.834
2/20/2018 20:15	512100	117.593	19.217	267.985	34272.461	38528.145	24.727	26.199	29.178	1.017	14.837
2/20/2018 20:30	513000	117.568	19.217	267.973	34272.466	38528.34	24.727	26.199	29.178	1.017	14.834
2/20/2018 20:45	513900	117.561	19.216	267.957	34273.198	38529.875	24.728	26.2	29.177	1.017	14.843
2/20/2018 21:00	514800	117.562	19.217	267.96	34290.609	38548.195	24.741	26.213	29.163	1.017	14.838
2/20/2018 21:15	515700	117.546	19.217	267.924	34280.992	38537.738	24.734	26.206	29.171	1.017	14.846
2/20/2018 21:30	516600	117.556	19.217	267.947	34286.672	38543.902	24.738	26.21	29.166	1.017	14.833
2/20/2018 21:45	517500	117.553	19.217	267.939	34296.859	38555.504	24.746	26.218	29.157	1.017	14.84
2/20/2018 22:00	518400	117.551	19.217	267.935	34295.305	38551.355	24.716	26.189	29.165	1.017	14.838
2/20/2018 22:15	519300	117.554	19.217	267.942	34301.156	38560.051	24.759	26.221	29.154	1.017	14.835
2/20/2018 22:30	520200	117.553	19.217	267.941	34281.426	38537.934	24.734	26.206	29.17	1.017	14.836
2/20/2018 22:45	521100	117.524	19.217	267.873	34268.629	38522.77	24.724	26.196	29.181	1.017	14.84
2/20/2018 23:00	522000	117.548	19.217	267.928	34274.387	38530.168	24.728	26.219	29.176	1.017	14.837
2/20/2018 23:15	522900	117.549	19.217	267.931	34285.152	38542.566	24.737	26.209	29.167	1.017	14.842
2/20/2018 23:30	523800	117.554	19.217	267.942	34302.407	38561.336	24.75	26.222	29.153	1.017	14.838
2/20/2018 23:45	524700	117.564	19.217	267.965	34293.172	38550.926	24.743	26.215	29.16	1.017	14.833
2/21/2018 0:00	525600	117.578	19.218	267.997	34307.789	38567.355	24.755	26.226	29.148	1.017	14.829
2/21/2018 0:15	526500	117.573	19.217	267.986	34280.141	38536.934	24.733	26.205	29.171	1.017	14.83
2/21/2018 0:30	527400	117.573	19.218	267.986	34286.766	38543.578	24.738	26.21	29.166	1.017	14.83
2/21/2018 0:45	528300	117.575	19.217	267.991	34291.313	38548.906	24.741	26.213	29.162	1.017	14.834
2/21/2018 1:00	529200	117.586	19.217	268.014	34288.664	38546.438	24.74	26.212	29.164	1.017	14.832
2/21/2018 1:15	530100	117.592	19.217	268.03	34282.645	38539.305	24.735	26.207	29.169	1.017	14.823
2/21/2018 1:30	531000	117.602	19.218	268.052	34289.238	38546.824	24.74	26.212	29.162	1.017	14.821
2/21/2018 1:45	531900	117.611	19.217	268.071	34286.887	38544.293	24.738	26.21	29.166	1.017	14.818
2/21/2018 2:00	532800	117.604	19.217	268.057	34295	38553.051	24.747	26.219	29.159	1.017	14.826
2/21/2018 2:15	533700	117.612	19.216	268.074	34272.363	38528.543	24.724	26.199	29.178	1.017	14.818
2/21/2018 2:30	534600	117.61	19.217	267.992	34272.68	38527.82	24.726	26.219	29.178	1.017	14.817
2/21/2018 2:45	535500	117.622	19.217	268.098	34283.734	38540.531	24.736	26.218	29.168	1.017	14.821
2/21/2018 3:00	536400	117.632	19.218	268.119	34289.859	38547.203	24.74	26.222	29.163	1.017	14.815
2/21/2018 3:15	537300	117.641	19.218	268.129	34284.285	38541.293	24.736	26.219	29.168	1.017	14.817
2/21/2018 3:30	538200	117.622	19.217	268.097	34271.52	38526.734	24.726	26.198	29.179	1.017	14.82
2/21/2018 3:45	539100	117.631	19.218	268.118	34284.734	38541.297	24.736	26.208	29.167	1.017	14.811
2/21/2018 4:00	540000	117.631	19.217	268.118	34280.738	38537.738	24.733	26.206	29.171	1.017	14.805
2/21/2018 4:15	540900	117.642	19.218	268.142	34292.016	38549.48	24.742	26.215	29.161	1.017	14.808
2/21/2018 4:30	541800	117.626	19.217	268.105	34278.516	38534.953	24.732	26.204	29.173	1.017	14.811
2/21/2018 4:45	542700	117.644	19.218	268.148	34293.215	38550.828	24.743	26.215	29.16	1.017	14.812
2/21/2018 5:00	543600	117.634	19.216	268.125	34301.305	38560.918	24.75	26.221	29.153	1.017	14.82
2/21/2018 5:15	544500	117.627	19.217	268.125	34285.293	38542.137	24.737	26.209	29.167	1.017	14.823
2/21/2018 5:30	545400	117.633	19.218	268.122	34274.715	38529.961	24.728	26.2	29.176	1.017	14.82
2/21/2018 5:45	546300	117.629	19.216	268.113	34289.363	38547.582	24.74	26.214	29.164	1.017	14.821
2/21/2018 6:00	547200	117.625	19.217	268.102	34299.285	38558.378	24.748	26.217	29.155	1.017	14.822
2/21/2018 6:15	548100	117.623	19.218	268.1	34278.613	38534.559	24.731	26.204	29.173	1.017	14.82
2/21/2018 6:30	549000	117.619	19.217	268.09	34266.891	38521.961	24.722	26.195	29.183	1.017	14.816
2/21/2018 6:45	549900	117.62	19.217	268.093	34276.387	38532.637	24.73	26.202	29.175	1.017	14.823
2/21/2018 7:00	550800	117.606	19.218	268.061	34296.828	38555.035	24.746	26.217	29.167	1.017	14.828
2/21/2018 7:15	551700	117.598	19.217	268.043	34286.254	38543.508	24.738	26.21	29.167	1.017	14.83
2/21/2018 7:30	552600	117.599	19.217	268.044	34256.484	38510.406	24.714	26.187	29.192	1.017	14.831
2/21/2018 7:45	553500	117.603	19.218	268.052	34273.951	38520.262	24.728	26.217	29.177	1.017	14.827
2/21/2018 8:00	554400	117.593	19.217	268.031	34301.777	38561.391	24.75	26.222	29.153	1.017	14.822
2/21/2018 8:15	555300	117.58	19.218	268.002	34283.711	38540.145	24.735	26.207	29.187	1.017	14.828
2/21/2018 8:30	556200	117.582	19.217	268.005	34280.81	38536.656	24.733	26.205	29.172	1.017	14.832
2/21/2018 8:45	557100	117.576	19.217	267.991	34298.816	38557.555	24.748	26.219	29.156	1.017	14.827
2/21/2018 8:00	558000	117.57	19.216	267.977	34294.551	38553.484	24.745	26.216	29.157	1.017	14.832
2/21/2018 9:15	558900	117.563	19.217	267.962	34284.152	38541.289	24.736	26.208	29.168	1.017	14.829
2/21/2018 9:30	559800	117.578	19.217	267.992	34270.653	38521.63	24.725	26.215	29.174	1.017	14.825
2/21/2018 9:45	560700	117.559	19.218	267.953	34288.887	38546.109	24.739	26.211	29.164	1.017	14.833
2/21/2018 10:00	561600	117.568	19.217	267.973	34272.547	38528.172	24.727	26.199	29.178	1.017	14.822
2/21/2018 10:15	562500	117.553	19.217	267.939	34289.297	38546.719	24.74	26.212	29.164	1.017	14.83
2/21/2018 10:30	563400	117.55	19.217	267.932	34292.434	38550.887	24.743	26.215	29.161	1.017	14.83
2/21/2018 10:45	564300	117.557	19.217	267.948							

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: μ S/cm

Date	Time	ms	LEVEL	TEMPERATURE	CONDUCTIVITY
2/15/2018	0:00:00	0	137.103	21.5	5850.8
2/15/2018	0:15:00	0	137.138	21.5	5805.8
2/15/2018	0:30:00	0	137.137	21.5	5773.7
2/15/2018	0:45:00	0	137.116	21.5	5774.8
2/15/2018	1:00:00	0	137.112	21.5	5849.7
2/15/2018	1:15:00	0	137.109	21.5	5783.4
2/15/2018	1:30:00	0	137.107	21.5	5737.3
2/15/2018	1:45:00	0	137.148	21.5	5705.2
2/15/2018	2:00:00	0	137.134	21.5	5732
2/15/2018	2:15:00	0	137.101	21.5	5734.1
2/15/2018	2:30:00	0	137.171	21.5	5782.3
2/15/2018	2:45:00	0	137.13	21.5	5790.8
2/15/2018	3:00:00	0	137.15	21.5	5671
2/15/2018	3:15:00	0	137.15	21.5	5773.7
2/15/2018	3:30:00	0	137.155	21.5	5688.1
2/15/2018	3:45:00	0	137.134	21.5	5773.7
2/15/2018	4:00:00	0	137.156	21.5	5755.5
2/15/2018	4:15:00	0	137.173	21.5	5710.6
2/15/2018	4:30:00	0	137.201	21.5	5733.1
2/15/2018	4:45:00	0	137.2	21.5	5643.2
2/15/2018	5:00:00	0	137.177	21.5	5839
2/15/2018	5:15:00	0	137.176	21.5	5751.3
2/15/2018	5:30:00	0	137.178	21.5	5707.4
2/15/2018	5:45:00	0	137.176	21.5	5889.3
2/15/2018	6:00:00	0	137.175	21.5	5779.1
2/15/2018	6:15:00	0	137.147	21.5	5760.9
2/15/2018	6:30:00	0	137.198	21.5	5779.1
2/15/2018	6:45:00	0	137.174	21.5	5789.8
2/15/2018	7:00:00	0	137.202	21.5	5742.7
2/15/2018	7:15:00	0	137.176	21.5	5844.3
2/15/2018	7:30:00	0	137.185	21.5	5805.8

2/15/2018	7:45:00	0	137.175	21.5	5863.6
2/15/2018	8:00:00	0	137.183	21.5	5849.7
2/15/2018	8:15:00	0	137.151	21.5	5294.4
2/15/2018	8:30:00	0	137.145	21.5	5692.4
2/15/2018	8:45:00	0	137.177	21.5	5574.7
2/15/2018	9:00:00	0	137.155	21.5	5612.1
2/15/2018	9:15:00	0	137.169	21.5	5524.4
2/15/2018	9:30:00	0	137.125	21.5	5643.2
2/15/2018	9:45:00	0	137.184	21.5	5476.3
2/15/2018	10:00:00	0	137.197	21.5	5489.1
2/15/2018	10:15:00	0	137.178	21.5	5511.6
2/15/2018	10:30:00	0	137.16	21.5	5408.9
2/15/2018	10:45:00	0	137.182	21.5	5454.9
2/15/2018	11:00:00	0	137.168	21.5	5493.4
2/15/2018	11:15:00	0	137.191	21.5	5413.1
2/15/2018	11:30:00	0	137.156	21.5	5386.4
2/15/2018	11:45:00	0	137.139	21.5	5416.3
2/15/2018	12:00:00	0	137.17	21.5	5457
2/15/2018	12:15:00	0	137.195	21.5	5342.5
2/15/2018	12:30:00	0	137.204	21.5	5359.6
2/15/2018	12:45:00	0	137.157	21.5	5374.6
2/15/2018	13:00:00	0	137.164	21.5	5344.6
2/15/2018	13:15:00	0	137.189	21.5	5366
2/15/2018	13:30:00	0	137.172	21.5	5371.4
2/15/2018	13:45:00	0	137.153	21.5	5345.7
2/15/2018	14:00:00	0	137.158	21.5	5407.8
2/15/2018	14:15:00	0	137.135	21.5	5484.8
2/15/2018	14:30:00	0	137.14	21.5	5480.5
2/15/2018	14:45:00	0	137.145	21.5	5411
2/15/2018	15:00:00	0	137.147	21.5	5420.6
2/15/2018	15:15:00	0	137.134	21.5	5475.2
2/15/2018	15:30:00	0	137.114	21.5	5483.8
2/15/2018	15:45:00	0	137.118	21.5	5522.3
2/15/2018	16:00:00	0	137.099	21.5	5644.3
2/15/2018	16:15:00	0	137.059	21.5	5561.9
2/15/2018	16:30:00	0	137.038	21.5	5660.3
2/15/2018	16:45:00	0	137.057	21.5	5701
2/15/2018	17:00:00	0	137.088	21.5	5632.5
2/15/2018	17:15:00	0	137.009	21.5	5688.1
2/15/2018	17:30:00	0	137.027	21.5	5783.4
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2/15/2018	18:00:00	0	136.974	21.5	5903.2
2/15/2018	18:15:00	0	137.008	21.5	5855
2/15/2018	18:30:00	0	137	21.5	5946
2/15/2018	18:45:00	0	136.978	21.5	5877.5
2/15/2018	19:00:00	0	137.015	21.5	5897.8
2/15/2018	19:15:00	0	136.993	21.5	5889.3

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2/15/2018	19:45:00	0	136.985	21.5	5924.6
2/15/2018	20:00:00	0	136.999	21.5	5883.9
2/15/2018	20:15:00	0	136.971	21.5	5808
2/15/2018	20:30:00	0	137.007	21.5	5863.6
2/15/2018	20:45:00	0	136.941	21.5	5863.6
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2/15/2018	21:15:00	0	136.992	21.4	5843.5
2/15/2018	21:30:00	0	136.951	21.4	5897.1
2/15/2018	21:45:00	0	136.966	21.4	5793.1
2/15/2018	22:00:00	0	137.004	21.4	5740.6
2/15/2018	22:15:00	0	136.979	21.5	5883.9
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2/15/2018	23:00:00	0	137.024	21.5	5687
2/15/2018	23:15:00	0	137.024	21.5	5760.9
2/15/2018	23:30:00	0	137.024	21.5	5640
2/15/2018	23:45:00	0	137.003	21.5	5567.2
2/16/2018	0:00:00	0	137.029	21.5	5634.6
2/16/2018	0:15:00	0	137.032	21.5	5576.8
2/16/2018	0:30:00	0	137.054	21.5	5549
2/16/2018	0:45:00	0	137.035	21.5	5453.8
2/16/2018	1:00:00	0	137.055	21.5	5522.3
2/16/2018	1:15:00	0	137.058	21.5	5448.4
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2/16/2018	2:15:00	0	137.09	21.5	5426
2/16/2018	2:30:00	0	137.077	21.5	5327.5
2/16/2018	2:45:00	0	137.107	21.5	5388.5
2/16/2018	3:00:00	0	137.085	21.5	5331.8
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2/16/2018	4:00:00	0	137.095	21.5	5375.7
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2/16/2018	5:00:00	0	137.124	21.5	5330.7
2/16/2018	5:15:00	0	137.107	21.5	5388.5
2/16/2018	5:30:00	0	137.097	21.5	5454.9
2/16/2018	5:45:00	0	137.139	21.5	5426
2/16/2018	6:00:00	0	137.12	21.5	5389.6
2/16/2018	6:15:00	0	137.094	21.5	5448.4
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2/16/2018	6:45:00	0	137.138	21.5	5463.4
2/16/2018	7:00:00	0	137.114	21.5	5513.7

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2/16/2018	7:30:00	0	137.124	21.5	5462.4
2/16/2018	7:45:00	0	137.129	21.5	5451.6
2/16/2018	8:00:00	0	137.126	21.5	5485.9
2/16/2018	8:15:00	0	137.152	21.5	5424.9
2/16/2018	8:30:00	0	137.108	21.5	5404.6
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2/16/2018	9:15:00	0	137.083	21.5	5513.7
2/16/2018	9:30:00	0	137.145	21.5	5473
2/16/2018	9:45:00	0	137.086	21.5	5506.2
2/16/2018	10:00:00	0	137.109	21.5	5393.9
2/16/2018	10:15:00	0	137.074	21.5	5384.2
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2/16/2018	10:45:00	0	137.123	21.5	5454.9
2/16/2018	11:00:00	0	137.07	21.5	5509.4
2/16/2018	11:15:00	0	137.134	21.5	5432.4
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2/16/2018	12:00:00	0	137.116	21.5	5375.7
2/16/2018	12:15:00	0	137.122	21.5	5334
2/16/2018	12:30:00	0	137.109	21.5	5276.2
2/16/2018	12:45:00	0	137.116	21.5	5262.3
2/16/2018	13:00:00	0	137.127	21.5	5358.6
2/16/2018	13:15:00	0	137.133	21.5	5353.2
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2/16/2018	13:45:00	0	137.105	21.5	5366
2/16/2018	14:00:00	0	137.109	21.5	5367.1
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2/16/2018	14:30:00	0	137.074	21.5	5366
2/16/2018	14:45:00	0	137.077	21.5	5381
2/16/2018	15:00:00	0	137.061	21.5	5403.5
2/16/2018	15:15:00	0	137.086	21.5	5447.4
2/16/2018	15:30:00	0	137.054	21.5	5472
2/16/2018	15:45:00	0	137.055	21.5	5480.5
2/16/2018	16:00:00	0	137.014	21.5	5515.9
2/16/2018	16:15:00	0	137.055	21.5	5562.9
2/16/2018	16:30:00	0	137.038	21.5	5691.3
2/16/2018	16:45:00	0	136.985	21.5	5677.4
2/16/2018	17:00:00	0	136.983	21.5	5662.4
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2/16/2018	17:30:00	0	136.984	21.5	5779.1
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2/16/2018	18:45:00	0	136.963	21.5	5897.8

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2/16/2018	19:15:00	0	136.893	21.5	5900
2/16/2018	19:30:00	0	136.907	21.5	5970.6
2/16/2018	19:45:00	0	136.925	21.5	5934.2
2/16/2018	20:00:00	0	136.868	21.5	5972.7
2/16/2018	20:15:00	0	136.927	21.5	5995.2
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2/16/2018	20:45:00	0	136.877	21.5	6022
2/16/2018	21:00:00	0	136.894	21.5	6041.2
2/16/2018	21:15:00	0	136.873	21.5	5988.8
2/16/2018	21:30:00	0	136.855	21.5	6053
2/16/2018	21:45:00	0	136.875	21.5	6013.4
2/16/2018	22:00:00	0	136.913	21.5	5962
2/16/2018	22:15:00	0	136.856	21.5	5980.2
2/16/2018	22:30:00	0	136.876	21.5	5867.9
2/16/2018	22:45:00	0	136.902	21.5	5870
2/16/2018	23:00:00	0	136.865	21.5	5917.1
2/16/2018	23:15:00	0	136.876	21.5	5893.6
2/16/2018	23:30:00	0	136.891	21.5	5912.8
2/16/2018	23:45:00	0	136.891	21.5	5879.6
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2/17/2018	0:15:00	0	136.891	21.5	5832.6
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2/17/2018	1:15:00	0	136.858	21.5	5688.1
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2/17/2018	3:00:00	0	136.904	21.5	5754.5
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2/17/2018	3:45:00	0	136.861	21.5	5680.6
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2/17/2018	4:15:00	0	136.87	21.5	5687
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2/17/2018	18:45:00	0	136.722	21.4	5856.3
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2/17/2018	19:45:00	0	136.71	21.4	5979.6
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2/17/2018	23:15:00	0	136.683	21.4	5989.3
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2/18/2018	6:00:00	0	136.696	21.4	5652.7

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2/18/2018	10:00:00	0	136.653	21.4	5688
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2/18/2018	11:00:00	0	136.696	21.4	5770.6
2/18/2018	11:15:00	0	136.705	21.4	5779.2
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2/18/2018	15:45:00	0	136.721	21.4	5421.1
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2/18/2018	16:45:00	0	136.744	21.4	5563.7
2/18/2018	17:00:00	0	136.74	21.4	5616.2
2/18/2018	17:15:00	0	136.802	21.4	5591.6
2/18/2018	17:30:00	0	136.74	21.4	5680.5
2/18/2018	17:45:00	0	136.75	21.4	5656.9

2/18/2018	18:00:00	0	136.741	21.4	5810.2
2/18/2018	18:15:00	0	136.695	21.4	5683.7
2/18/2018	18:30:00	0	136.733	21.3	5719.1
2/18/2018	18:45:00	0	136.691	21.4	5778.1
2/18/2018	19:00:00	0	136.731	21.4	5794.2
2/18/2018	19:15:00	0	136.696	21.4	5789.9
2/18/2018	19:30:00	0	136.712	21.4	5784.5
2/18/2018	19:45:00	0	136.735	21.4	5812.4
2/18/2018	20:00:00	0	136.694	21.4	5808.1
2/18/2018	20:15:00	0	136.73	21.4	5869.2
2/18/2018	20:30:00	0	136.711	21.4	5892.8
2/18/2018	20:45:00	0	136.705	21.4	5952.8
2/18/2018	21:00:00	0	136.678	21.4	5935.7
2/18/2018	21:15:00	0	136.716	21.4	5907.8
2/18/2018	21:30:00	0	136.711	21.4	6022.5
2/18/2018	21:45:00	0	136.711	21.4	5936.7
2/18/2018	22:00:00	0	136.697	21.4	6006.4
2/18/2018	22:15:00	0	136.676	21.4	5904.6
2/18/2018	22:30:00	0	136.7	21.4	5936.7
2/18/2018	22:45:00	0	136.736	21.4	5973.2
2/18/2018	23:00:00	0	136.702	21.4	5908.9
2/18/2018	23:15:00	0	136.737	21.4	6006.4
2/18/2018	23:30:00	0	136.738	21.4	5847.8
2/18/2018	23:45:00	0	136.734	21.4	5917.4
2/19/2018	0:00:00	0	136.754	21.4	5921.7
2/19/2018	0:15:00	0	136.749	21.4	5815.6
2/19/2018	0:30:00	0	136.737	21.4	5792
2/19/2018	0:45:00	0	136.738	21.4	5828.5
2/19/2018	1:00:00	0	136.762	21.4	5796.3
2/19/2018	1:15:00	0	136.756	21.4	5728.8
2/19/2018	1:30:00	0	136.778	21.4	5707.3
2/19/2018	1:45:00	0	136.794	21.4	5729.8
2/19/2018	2:00:00	0	136.777	21.4	5663.4
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2/19/2018	2:30:00	0	136.781	21.4	5650.5
2/19/2018	2:45:00	0	136.824	21.4	5635.5
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2/19/2018	3:15:00	0	136.8	21.4	5632.3
2/19/2018	3:30:00	0	136.799	21.4	5689.1
2/19/2018	3:45:00	0	136.783	21.4	5609.8
2/19/2018	4:00:00	0	136.803	21.4	5581.9
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2/19/2018	4:45:00	0	136.818	21.4	5562.6
2/19/2018	5:00:00	0	136.82	21.4	5634.4
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2/19/2018	6:00:00	0	136.812	21.4	5639.8
2/19/2018	6:15:00	0	136.842	21.4	5635.5
2/19/2018	6:30:00	0	136.859	21.4	5668.7
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2/19/2018	7:00:00	0	136.864	21.4	5689.1
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2/19/2018	7:45:00	0	136.862	21.4	5609.8
2/19/2018	8:00:00	0	136.851	21.4	5648.4
2/19/2018	8:15:00	0	136.84	21.4	5783.4
2/19/2018	8:30:00	0	136.835	21.4	5775.9
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2/19/2018	9:45:00	0	136.833	21.4	5728.8
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2/19/2018	10:30:00	0	136.845	21.4	5769.5
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2/19/2018	11:00:00	0	136.867	21.4	5744.8
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2/19/2018	12:45:00	0	136.866	21.4	5676.2
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2/19/2018	14:00:00	0	136.877	21.4	5591.6
2/19/2018	14:15:00	0	136.877	21.4	5571.2
2/19/2018	14:30:00	0	136.901	21.4	5585.1
2/19/2018	14:45:00	0	136.903	21.4	5539
2/19/2018	15:00:00	0	136.92	21.4	5559.4
2/19/2018	15:15:00	0	136.863	21.4	5527.2
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2/19/2018	16:30:00	0	136.886	21.4	5609.8
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2/19/2018	19:30:00	0	136.88	21.4	5748.1
2/19/2018	19:45:00	0	136.858	21.4	5829.5
2/19/2018	20:00:00	0	136.875	21.4	5757.7
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2/19/2018	20:30:00	0	136.876	21.4	5845.6
2/19/2018	20:45:00	0	136.872	21.4	5857.4
2/19/2018	21:00:00	0	136.86	21.4	5883.1
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2/19/2018	22:00:00	0	136.878	21.4	5843.5
2/19/2018	22:15:00	0	136.834	21.4	5864.9
2/19/2018	22:30:00	0	136.832	21.4	5936.7
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2/19/2018	23:15:00	0	136.89	21.4	5888.5
2/19/2018	23:30:00	0	136.87	21.4	5827.4
2/19/2018	23:45:00	0	136.865	21.4	5843.5
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2/20/2018	0:15:00	0	136.9	21.4	5812.4
2/20/2018	0:30:00	0	136.904	21.4	5890.6
2/20/2018	0:45:00	0	136.903	21.4	5778.1
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2/20/2018	3:45:00	0	136.949	21.4	5631.2
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2/20/2018	4:15:00	0	136.964	21.4	5665.5
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2/20/2018	7:00:00	0	136.938	21.4	5653.7
2/20/2018	7:15:00	0	136.974	21.4	5794.2
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2/20/2018	9:30:00	0	136.916	21.4	5661.2
2/20/2018	9:45:00	0	136.935	21.4	5740.6
2/20/2018	10:00:00	0	136.934	21.4	5757.7
2/20/2018	10:15:00	0	136.914	21.4	5792
2/20/2018	10:30:00	0	136.915	21.4	5808.1
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2/20/2018	11:15:00	0	136.924	21.4	5775.9
2/20/2018	11:30:00	0	136.903	21.4	5770.6
2/20/2018	11:45:00	0	136.969	21.4	5779.2
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2/20/2018	16:45:00	0	136.967	21.4	5638.7

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2/20/2018	18:15:00	0	136.907	21.4	5636.6
2/20/2018	18:30:00	0	136.927	21.4	5663.4
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2/20/2018	19:30:00	0	136.883	21.4	5697.7
2/20/2018	19:45:00	0	136.902	21.4	5733.1
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2/20/2018	21:30:00	0	136.832	21.4	5842.4
2/20/2018	21:45:00	0	136.873	21.4	5846.7
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2/20/2018	22:15:00	0	136.874	21.4	5851
2/20/2018	22:30:00	0	136.862	21.4	5921.7
2/20/2018	22:45:00	0	136.882	21.4	5857.4
2/20/2018	23:00:00	0	136.843	21.4	5942.1
2/20/2018	23:15:00	0	136.887	21.4	5915.3
2/20/2018	23:30:00	0	136.868	21.4	5915.3
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2/21/2018	0:30:00	0	136.901	21.4	5892.8
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2/21/2018	4:30:00	0	136.933	21.4	5560.5

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2/21/2018	6:30:00	0	136.94	21.4	5531.5
2/21/2018	6:45:00	0	136.913	21.4	5587.3
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2/21/2018	8:45:00	0	136.866	21.4	5673
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2/21/2018	9:45:00	0	136.86	21.4	5752.4
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2/21/2018	10:30:00	0	136.871	21.4	5730.9
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2/21/2018	11:30:00	0	136.818	21.4	5784.5
2/21/2018	11:45:00	0	136.844	21.4	5773.8
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2/21/2018	14:45:00	0	136.799	21.4	5677.3
2/21/2018	15:00:00	0	136.833	21.4	5704.1
2/21/2018	15:15:00	0	136.83	21.4	5763.1
2/21/2018	15:30:00	0	136.832	21.4	5722.3
2/21/2018	15:45:00	0	136.832	21.4	5715.9
2/21/2018	16:00:00	0	136.82	21.4	5722.3
2/21/2018	16:15:00	0	136.858	21.4	5711.6

2/21/2018	16:30:00	0	136.844	21.4	5783.4
2/21/2018	16:45:00	0	136.851	21.3	5628.8
2/21/2018	17:00:00	0	136.852	21.4	5693.4
2/21/2018	17:15:00	0	136.853	21.4	5726.6
2/21/2018	17:30:00	0	136.813	21.4	5708.4
2/21/2018	17:45:00	0	136.828	21.4	5654.8
2/21/2018	18:00:00	0	136.836	21.4	5667.7
2/21/2018	18:15:00	0	136.814	21.3	5744.8
2/21/2018	18:30:00	0	136.814	21.4	5722.3
2/21/2018	18:45:00	0	136.813	21.4	5743.8
2/21/2018	19:00:00	0	136.815	21.4	5721.3
2/21/2018	19:15:00	0	136.852	21.4	5789.9
2/21/2018	19:30:00	0	136.79	21.4	5694.5
2/21/2018	19:45:00	0	136.79	21.3	5691.1
2/21/2018	20:00:00	0	136.84	21.4	5718
2/21/2018	20:15:00	0	136.819	21.4	5722.3
2/21/2018	20:30:00	0	136.796	21.4	5758.8
2/21/2018	20:45:00	0	136.809	21.4	5748.1
2/21/2018	21:00:00	0	136.788	21.4	5765.2
2/21/2018	21:15:00	0	136.823	21.3	5785.6
2/21/2018	21:30:00	0	136.827	21.4	5868.1
2/21/2018	21:45:00	0	136.808	21.4	5841.3
2/21/2018	22:00:00	0	136.81	21.4	5861.7
2/21/2018	22:15:00	0	136.791	21.4	5722.3
2/21/2018	22:30:00	0	136.791	21.4	5827.4
2/21/2018	22:45:00	0	136.827	21.4	5818.8
2/21/2018	23:00:00	0	136.805	21.4	5905.6
2/21/2018	23:15:00	0	136.82	21.4	5860.6
2/21/2018	23:30:00	0	136.818	21.4	5851
2/21/2018	23:45:00	0	136.855	21.4	5830.6

Report Date: 2/23/2018 14:44
Report User Name: AVanHaltoma
Report Computer Name: WNKST34
Application: WinStitu.exe
Application Version: 5.6.25.0

Log File Properties
File Name: MPWSP MW-75 LT Test_2018-02-22_10-54-59-803-BaroMerge.wsl
Create Date: 2/23/2018 14:43

Device Properties
Device: Aqua TROLL 100
Site: MPWSP MW-75
Device Name:
Serial Number: 427086
Firmware Version: 2
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 15928 8 Even 1 (Modbus-RTU)
Used Memory: 84
Used Battery: 37

Log Configuration
Log Name: MPWSP MW-75 LT Test
Created By: AVanHaltoma
Computer Name: WNKST34
Application: WinStitu.exe
Application Version: 5.6.27.1
Create Date: 11/9/2017 10:14:09 AM Pacific Standard Time
Log Setup Time Zone: Pacific Standard Time
Notes Size(bytes): 4096
Overwrite when full: Enabled
11/9/2017 10:15:00 AM Pacific Standard Time
Scheduled Start 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: 63.1959 (ft)
Head Pressure: 27.7259 (PSI)
Temperature: 17.7262 (C)
Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191
TDS Factor: 0.68

Log Notes:
Date and Time: Note
11/9/2017 10:13 Used Battery: 37% Used Memory: 87% User Name: AVanHaltoma
11/9/2017 10:17 Log Download - Used Battery: 37% Used Memory: 87% User Name: AVanHaltoma Interval - Start Time: 11/9/2017 10:15:00 AM Stop Time: 11/9/2017 11:15:00 AM
11/16/2017 10:00 Log Download - Used Battery: 37% Used Memory: 87% User Name: WMassoll Interval - Start Time: 11/9/2017 10:15:00 AM Stop Time: 11/16/2017 10:45:00 AM
11/23/2017 12:13 Log Download - Used Battery: 38% Used Memory: 89% User Name: AVanHaltoma Interval - Start Time: 11/15/2017 10:00:00 PM Stop Time: 11/23/2017 12:45:00 PM
12/2/2017 10:59 Log Download - Used Battery: 38% Used Memory: 89% User Name: AVanHaltoma Interval - Start Time: 10/31/2017 10:00:00 PM Stop Time: 12/2/2017 11:45:00 AM
12/7/2017 9:57 Log Download - Used Battery: 38% Used Memory: 90% User Name: WMassoll Interval - Start Time: 11/29/2017 10:00:00 PM Stop Time: 12/7/2017 11:45:00 AM
12/14/2017 10:59 Log Download - Used Battery: 39% Used Memory: 90% User Name: WMassoll Interval - Start Time: 12/6/2017 10:00:00 PM Stop Time: 12/14/2017 10:30:00 AM
12/21/2017 8:34 Log Download - Used Battery: 39% Used Memory: 92% User Name: AVanHaltoma Interval - Start Time: 12/13/2017 10:00:00 PM Stop Time: 12/21/2017 9:30:00 AM
1/4/2018 12:48 Log Download - Used Battery: 40% Used Memory: 93% User Name: WMassoll Interval - Start Time: 11/30/2017 10:00:00 PM Stop Time: 1/4/2018 12:45:00 PM
1/11/2018 8:14 Log Download - Used Battery: 40% Used Memory: 93% User Name: AVanHaltoma Interval - Start Time: 1/3/2018 10:00:00 PM Stop Time: 1/11/2018 10:00:00 AM
1/18/2018 9:45 Log Download - Used Battery: 41% Used Memory: 95% User Name: WMassoll Interval - Start Time: 1/10/2018 10:00:00 PM Stop Time: 1/18/2018 10:45:00 AM
1/26/2018 9:58 Log Download - Used Battery: 41% Used Memory: 95% User Name: WMassoll Interval - Start Time: 1/17/2018 10:00:00 PM Stop Time: 1/26/2018 9:45:00 AM
2/1/2018 15:39 Log Download - Used Battery: 41% Used Memory: 96% User Name: WMassoll Interval - Start Time: 12/31/2017 10:00:00 PM Stop Time: 2/1/2018 4:30:00 PM
2/8/2018 7:44 Log Download - Used Battery: 42% Used Memory: 96% User Name: AVanHaltoma Interval - Start Time: 1/1/2018 10:00:00 PM Stop Time: 2/8/2018 8:30:00 AM
2/15/2018 8:19 Log Download - Used Battery: 42% Used Memory: 98% User Name: WMassoll Interval - Start Time: 2/7/2018 10:00:00 PM Stop Time: 2/15/2018 9:15:00 AM
2/22/2018 10:52 Log Download - Used Battery: 42% Used Memory: 98% User Name: WMassoll Interval - Start Time: 2/14/2018 10:00:00 PM Stop Time: 2/22/2018 10:45:00 AM
2/23/2018 14:43 Log Note: "Pressure & Level adjusted by baro data from: "MPWSP Barotroll_2018-02-22_16:56-22:545.wsl"

Log Data:
Record Count: 723
Sensors: 2
1 427086 PCTD 30 PSIA (10.9m/35.8ft)
2 0 Baro-Adjustment Calc

Time Zone: Pacific Standard Time

		Sensor: PCTD(A) 35.8ft SNR: 427086	Sensor: PCTD(A) 35.8ft SNR: 427086	Sensor: PCTD(A) 35.8ft SNR: 427086	Sensor: PCTD(A) 35.8ft SNR: 427086	Sensor: PCTD(A) 35.8ft SNR: 427086	Sensor: PCTD(A) 35.8ft SNR: 427086	Sensor: PCTD(A) 35.8ft SNR: 427086	Sensor: PCTD(A) 35.8ft SNR: 427086	Sensor: PCTD(A) 35.8ft SNR: 427086	Sensor: Baro-Ad Calc SNR: 000000
Date and Time	Elapsed Time Seconds	Pressure (PSI)	Temperature (C)	Depth (ft)	Actual Conductivity (uS)	Specific Conductivity (uS)	Salinity (PSU)	Total Dissolved Solids (ppt)	Resistivity (ohm-cm)	Water Density (g/cm3)	Barometric Pressure (PSI)
2/15/2018 0:00	7200	13.036	17.695	29.712	1282.316	1490.231	0.756	1.013	779.839	0.999	14.831
2/15/2018 0:15	8100	13.039	17.695	29.721	1281.046	1488.793	0.755	1.012	780.612	0.999	14.826
2/15/2018 0:30	9000	13.036	17.696	29.713	1281.914	1488.756	0.756	1.013	780.083	0.999	14.831
2/15/2018 0:45	9900	13.027	17.696	29.693	1280.048	1487.591	0.755	1.012	781.221	0.999	14.836
2/15/2018 1:00	10800	13.034	17.695	29.709	1280.759	1488.429	0.755	1.012	780.787	0.999	14.835
2/15/2018 1:15	11700	13.039	17.695	29.72	1279.208	1486.623	0.754	1.011	781.734	0.999	14.83
2/15/2018 1:30	12600	13.041	17.695	29.725	1279.641	1487.122	0.754	1.011	781.469	0.999	14.829
2/15/2018 1:45	13500	13.036	17.695	29.712	1279.138	1486.542	0.754	1.011	781.776	0.999	14.835
2/15/2018 2:00	14400	13.036	17.695	29.714	1278.346	1485.42	0.754	1.01	782.261	0.999	14.835
2/15/2018 2:15	15300	13.04	17.695	29.722	1281.255	1489.004	0.755	1.013	780.485	0.999	14.831
2/15/2018 2:30	16200	13.041	17.695	29.725	1280.906	1488.596	0.755	1.012	780.697	0.999	14.83
2/15/2018 2:45	17100	13.037	17.696	29.716	1282.097	1489.972	0.756	1.013	779.972	0.999	14.834
2/15/2018 3:00	18000	13.046	17.695	29.737	1280.763	1488.436	0.755	1.012	780.784	0.999	14.826
2/15/2018 3:15	18900	13.042	17.695	29.727	1282.479	1490.441	0.756	1.014	779.74	0.999	14.825
2/15/2018 3:30	19800	13.04	17.695	29.722	1282.09	1489.975	0.756	1.013	779.976	0.999	14.831
2/15/2018 3:45	20700	13.047	17.696	29.739	1284.576	1492.853	0.757	1.015	778.467	0.999	14.824
2/15/2018 4:00	21600	13.048	17.695	29.74	1281.389	1489.163	0.755	1.013	780.403	0.999	14.823
2/15/2018 4:15	22500	13.035	17.696	29.711	1282.409	1490.317	0.756	1.013	779.782	0.999	14.832
2/15/2018 4:30	23400	13.042	17.696	29.726	1282.745	1490.725	0.756	1.014	779.578	0.999	14.825
2/15/2018 4:45	24300	13.051	17.696	29.747	1283.594	1491.708	0.757	1.014	779.063	0.999	14.82
2/15/2018 5:00	25200	13.045	17.695	29.733	1282.721	1490.699	0.756	1.014	779.593	0.999	14.825
2/15/2018 5:15	26100	13.04	17.695	29.721	1283.74	1491.889	0.757	1.014	778.974	0.999	14.831
2/15/2018 5:30	27000	13.046	17.696	29.735	1282.909	1490.91	0.756	1.014	779.478	0.999	14.824
2/15/2018 5:45	27900	13.043	17.695	29.728	1284.901	1491.233	0.758	1.015	778.27	0.999	14.827
2/15/2018 6:00	28800	13.04	17.696	29.721	1283.172	1491.215	0.756	1.014	779.319	0.999	14.832
2/15/2018 6:15	29700	13.042	17.695	29.726	1282.262	1490.168	0.756	1.013	779.872	0.999	14.829
2/15/2018 6:30	30600	13.035	17.696	29.71	1282.5	1490.428	0.756	1.013	779.727	0.999	14.837
2/15/2018 6:45	31500	13.031	17.695	29.702	1283.932	1492.11	0.757	1.015	778.857	0.999	14.837
2/15/2018 7:00	32400	13.028	17.695	29.695	1283.03	1491.079	0.756	1.014	779.405	0.999	14.844
2/15/2018 7:15	33300	13.033	17.695	29.706	1280.995	1488.703	0.755	1.012	780.643	0.999	14.842
2/15/2018 7:30	34200	13.031	17.696	29.702	1280.405	1487.596	0.755	1.012	781.003	0.999	14.846
2/15/2018 7:45	35100	13.024	17.695	29.686	1281.239	1488.994	0.755	1.013	780.495	0.999	14.853
2/15/2018 8:00	36000	13.025	17.695	29.688	1279.9	1487.423	0.754	1.011	781.311	0.999	14.849
2/15/2018 8:15	36900	13.025	17.695	29.688	1286.247	1494.799	0.758	1.016	777.456	0.999	14.856
2/15/2018 8:30	37800	13.023	17.696	29.683	1287.095	1495.75	0.759	1.017	776.943	0.999	14.854
2/15/2018 8:45	38700	13.024	17.696	29.685	1278.966	1486.325	0.754	1.011	781.881	0.999	14.86
2/15/2018 9:00	39600	13.03	17.695	29.698	1276.446	1483.419	0.752	1.009	783.425	0.999	14.858
2/15/2018 9:15	40500	13.026	17.696	29.696	1275.656	1482.488	0.752	1.008	783.911	0.999	14.859
2/15/2018 9:30	41400	13.02	17.695	29.677	1275.307	1482.086	0.752	1.008	784.125	0.999	14.864
2/15/2018 9:45	42300	13.019	17.695	29.675	1275.949	1482.832	0.752	1.008	783.73	0.999	14.872
2/15/2018 10:00	43200	13.024	17.696	29.685	1275.543	1482.355	0.752	1.008	783.98	0.999	14.87
2/15/2018 10:15	44100	13.032	17.695	29.705	1274.705	1481.399	0.751	1.007	784.495	0.999	14.861
2/15/2018 10:30	45000	13.026	17.695	29.689	1274.237	1480.842	0.751	1.007	784.784	0.999	14.864
2/15/2018 10:45	45900	13.032	17.696	29.703	1274.593	1481.236	0.751	1.007	784.564	0.999	14.864
2/15/2018 11:00	46800	13.036	17.696	29.69	1275.426	1482.228	0.752	1.008	784.052	0.999	14.866
2/15/2018 11:15	47700	13.037	17.695	29.715	1276.376	1483.105	0.752	1.009	783.591	0.999	14.86
2/15/2018 11:30	48600	13.043	17.696	29.73	1276.536	1483.505	0.752	1.009	783.37	0.999	14.853
2/15/2018 11:45	49500	13.037	17.695	29.716	1276.162	1483.086	0.752	1.008	783.599	0.999	14.855
2/15/2018 12:00	50400	13.04	17.695	29.723	1276.029	1482.922	0.752	1.008	783.681	0.999	14.85
2/15/2018 12:15	51300	13.039	17.695	29.72	1276.708	1483.72	0.753	1.009	783.265	0.999	14.852
2/15/2018 12:30	52200	13.042	17.695	29.728	1275.69	1482.54	0.752	1.008	783.889	0.999	14.853
2/15/2018 12:45	53100	13.051	17.695	29.742	1274.156	1480.769	0.752	1.008	783.946	0.999	14.842
2/15/2018 13:00	54000	13.042	17.696	29.727	1276.482	1483.452	0.752	1.009	783.403	0.999	14.847
2/15/2018 13:15	54900	13.055	17.696	29.757	1277.013	1484.063	0.753	1.009	783.077	0.999	14.839
2/15/2018 13:30	55800	13.057	17.695	29.762	1276.51	1483.696	0.752	1.009	783.386	0.999	14.834
2/15/2018 13:45	56700	13.053	17.695	29.751	1276.644	1483.645	0.752	1.009	783.304	0.999	14.837
2/15/2018 14:00	57600	13.051	17.695	29.748	1276.694	1483.699	0.752	1.009	783.273	0.999	14.836
2/15/2018 14:15	58500	13.046	17.695	29.736	1275.854	1482.727	0.752	1.008	783.789	0.999	14.837
2/15/2018 14:30	59400	13.049	17.695	29.742	1274.156	1480.769	0.751	1.007	784.833	0.999	14.832
2/15/2018 14:45	60300	13.052	17.696	29.749	1274.9	1481.621	0.751	1.008	784.376	0.999	14.834
2/15/2018 15:00	61200	13.055	17.696	29.756	1274.52	1481.166	0.751	1.007	784.609	0.999	14.824
2/15/2018 15:15	62100	13.054	17.695	29.755	1274.916	1481.635	0.751	1.008	784.365	0.999	14.826
2/15/2018 15:30	63000	13.05	17.696	29.745	1274.241	1480.836	0.751	1.007	784.781	0.999	14.832
2/15/2018 15:45	63900	13.055	17.695	29.755	1274.112	1480.703	0.751	1.007	784.86	0.999	14.826
2/15/2018 16:00	64800	13.054	17.695	29.755	1274.463	1481.109	0.751	1.007	784.644	0.999	14.827

2/15/2018 16:15	65700	13.057	17.695	29.761	1274.454	1481.098	0.751	1.007	784.65	0.999	14.822
2/15/2018 16:30	66600	13.047	17.696	29.737	1273.536	1480.417	0.751	1.007	784.975	0.999	14.827
2/15/2018 16:45	67500	13.046	17.695	29.735	1272.963	1479.388	0.75	1.006	785.569	0.999	14.827
2/15/2018 17:00	68400	13.043	17.695	29.73	1272.629	1478.986	0.75	1.006	785.775	0.999	14.834
2/15/2018 17:15	69300	13.041	17.695	29.725	1273.162	1479.608	0.75	1.006	785.446	0.999	14.831
2/15/2018 17:30	70200	13.045	17.693	29.723	1273.093	1479.477	0.75	1.007	785.514	0.999	14.827
2/15/2018 17:45	71100	13.037	17.695	29.715	1272.883	1479.269	0.75	1.006	785.618	0.999	14.836
2/15/2018 18:00	72000	13.037	17.696	29.715	1273.434	1479.901	0.75	1.006	785.278	0.999	14.84
2/15/2018 18:15	72900	13.038	17.695	29.718	1272.648	1479.999	0.75	1.006	785.763	0.999	14.84
2/15/2018 18:30	73800	13.04	17.695	29.722	1272.725	1479.082	0.75	1.007	785.716	0.999	14.839
2/15/2018 18:45	74700	13.029	17.695	29.697	1272.872	1478.106	0.75	1.005	786.242	0.999	14.849
2/15/2018 19:00	75600	13.032	17.695	29.704	1271.893	1478.125	0.75	1.005	786.231	0.999	14.848
2/15/2018 19:15	76500	13.03	17.695	29.7	1272.539	1478.849	0.75	1.007	785.849	0.999	14.847
2/15/2018 19:30	77400	13.025	17.695	29.688	1273.552	1480.056	0.751	1.006	785.205	0.999	14.853
2/15/2018 19:45	78300	13.037	17.695	29.716	1274.011	1480.58	0.751	1.007	784.923	0.999	14.848
2/15/2018 20:00	79200	13.036	17.695	29.713	1274.457	1481.101	0.751	1.007	784.648	0.999	14.85
2/15/2018 20:15	80100	13.032	17.694	29.704	1274.335	1480.954	0.751	1.007	784.723	0.999	14.855
2/15/2018 20:30	81000	13.025	17.696	29.687	1273.879	1480.418	0.751	1.007	785.004	0.999	14.864
2/15/2018 20:45	81900	13.03	17.695	29.699	1274.329	1480.955	0.751	1.007	784.727	0.999	14.859
2/15/2018 21:00	82800	13.025	17.695	29.689	1274.83	1481.54	0.751	1.007	784.418	0.999	14.865
2/15/2018 21:15	83700	13.027	17.695	29.693	1275.352	1482.135	0.752	1.008	784.098	0.999	14.867
2/15/2018 21:30	84600	13.028	17.695	29.695	1274.829	1481.531	0.751	1.007	784.419	0.999	14.865
2/15/2018 21:45	85500	13.028	17.695	29.695	1275.524	1482.347	0.752	1.008	783.991	0.999	14.869
2/15/2018 22:00	86400	13.028	17.695	29.695	1275.153	1481.932	0.752	1.008	784.219	0.999	14.869
2/15/2018 22:15	87300	13.026	17.695	29.69	1275.564	1482.394	0.752	1.008	783.967	0.999	14.872
2/15/2018 22:30	88200	13.03	17.696	29.7	1276.782	1483.792	0.753	1.009	783.219	0.999	14.87
2/15/2018 22:45	89100	13.031	17.695	29.702	1277.207	1484.261	0.753	1.009	782.958	0.999	14.872
2/15/2018 23:00	90000	13.032	17.695	29.704	1278.629	1485.947	0.754	1.01	782.088	0.999	14.872
2/15/2018 23:15	90900	13.029	17.696	29.698	1278.874	1486.223	0.754	1.011	781.938	0.999	14.87
2/15/2018 23:30	91800	13.024	17.695	29.686	1278.831	1486.178	0.754	1.011	781.964	0.999	14.877
2/15/2018 23:45	92700	13.033	17.696	29.706	1278.36	1485.42	0.754	1.01	782.252	0.999	14.873
2/16/2018 0:00	93600	13.027	17.695	29.694	1278.427	1485.716	0.754	1.011	782.211	0.999	14.874
2/16/2018 0:15	94500	13.037	17.695	29.715	1278.777	1486.125	0.754	1.011	781.997	0.999	14.869
2/16/2018 0:30	95400	13.033	17.695	29.705	1280.063	1487.613	0.755	1.012	781.212	0.999	14.87
2/16/2018 0:45	96300	13.029	17.696	29.697	1281.341	1488.095	0.756	1.014	780.432	0.999	14.873
2/16/2018 1:00	97200	13.043	17.695	29.728	1280.878	1488.569	0.755	1.012	780.715	0.999	14.865
2/16/2018 1:15	98100	13.043	17.695	29.73	1280.779	1488.46	0.755	1.012	780.775	0.999	14.864
2/16/2018 1:30	99000	13.04	17.695	29.722	1280.408	1488.12	0.752	1.012	780.945	0.999	14.868
2/16/2018 1:45	99900	13.041	17.695	29.724	1280.212	1487.79	0.755	1.012	781.121	0.999	14.862
2/16/2018 2:00	100800	13.033	17.695	29.706	1279.92	1487.47	0.754	1.011	781.299	0.999	14.87
2/16/2018 2:15	101700	13.042	17.695	29.726	1280.488	1488.113	0.755	1.012	780.953	0.999	14.865
2/16/2018 2:30	102600	13.045	17.696	29.733	1280.092	1487.665	0.754	1.012	781.194	0.999	14.869
2/16/2018 2:45	103500	13.047	17.695	29.737	1280.114	1487.673	0.755	1.012	781.18	0.999	14.859
2/16/2018 3:00	104400	13.047	17.695	29.737	1281.145	1488.88	0.755	1.012	780.552	0.999	14.859
2/16/2018 3:15	105300	13.054	17.695	29.755	1282.743	1490.74	0.756	1.014	779.58	0.999	14.853
2/16/2018 3:30	106200	13.048	17.695	29.741	1282.742	1490.739	0.756	1.014	779.58	0.999	14.856
2/16/2018 3:45	107100	13.055	17.695	29.756	1282.538	1490.51	0.756	1.014	779.704	0.999	14.848
2/16/2018 4:00	108000	13.056	17.695	29.76	1281.204	1488.942	0.755	1.012	780.516	0.999	14.841
2/16/2018 4:15	108900	13.057	17.696	29.769	1282.407	1490.448	0.756	1.014	779.729	0.999	14.847
2/16/2018 4:30	109800	13.05	17.696	29.746	1283.06	1491.088	0.756	1.014	779.387	0.999	14.844
2/16/2018 4:45	110700	13.047	17.695	29.738	1283.148	1491.216	0.756	1.014	779.333	0.999	14.846
2/16/2018 5:00	111600	13.057	17.695	29.716	1283.979	1492.014	0.757	1.014	779.436	0.999	14.854
2/16/2018 5:15	112500	13.057	17.695	29.742	1283.767	1489.17	0.756	1.013	780.185	0.999	14.838
2/16/2018 5:30	113400	13.045	17.695	29.745	1280.855	1488.551	0.755	1.012	780.729	0.999	14.839
2/16/2018 5:45	114300	13.05	17.695	29.746	1280.508	1488.142	0.755	1.012	780.94	0.999	14.844
2/16/2018 6:00	115200	13.055	17.696	29.756	1280.349	1487.969	0.755	1.011	781.037	0.999	14.837
2/16/2018 6:15	116100	13.042	17.695	29.727	1279.48	1486.959	0.754	1.011	781.568	0.999	14.845
2/16/2018 6:30	117000	13.046	17.695	29.736	1278.976	1486.35	0.754	1.011	781.875	0.999	14.847
2/16/2018 6:45	117900	13.042	17.694	29.727	1279.927	1486.328	0.754	1.011	781.906	0.999	14.852
2/16/2018 7:00	118800	13.034	17.695	29.745	1278.545	1485.855	0.754	1.01	782.142	0.999	14.865
2/16/2018 7:15	119700	13.035	17.695	29.712	1278.163	1485.423	0.753	1.01	782.373	0.999	14.859
2/16/2018 7:30	120600	13.037	17.695	29.707	1275.769	1482.632	0.752	1.008	783.841	0.999	14.857
2/16/2018 7:45	121500	13.032	17.695	29.703	1276.09	1483.012	0.752	1.009	783.644	0.999	14.865
2/16/2018 8:00	122400	13.031	17.695	29.702	1277.506	1484.65	0.753	1.01	782.775	0.999	14.865
2/16/2018 8:15	123300	13.026	17.695	29.69	1277.978	1485.21	0.753	1.01	782.486	0.999	14.871
2/16/2018 8:30	124200	13.025	17.695	29.688	1276.804	1483.846	0.753	1.009	783.206	0.999	14.868
2/16/2018 8:45	125100	13.041	17.695	29.725	1276.516	1483.492	0.752	1.009	783.382	0.999	14.868
2/16/2018 9:00	126000	13.034	17.695	29.708	1276.417	1483.384	0.753	1.009	783.443	0.999	14.862
2/16/2018 9:15	126900	13.037	17.695	29.716	1276.514	1483.504	0.752	1.009	783.383	0.999	14.863
2/16/2018 9:30	127800	13.037	17.695	29.714	1277.362	1484.267	0.753	1.009	782.923	0.999	14.864
2/16/2018 9:45	128700	13.031	17.695	29.702	1277.385	1484.51	0.753	1.009	782.849	0.999	14.867
2/16/2018 10:00	129600	13.043	17.695	29.729	1277.395	1484.524	0.753	1.009	782.843	0.999	14.86
2/16/2018 10:15	130500	13.04	17.695	29.723	1277.683	1484.853	0.753	1.01	782.667	0.999	14.863
2/16/2018 10:30	131400	13.048	17.696	29.74	1276.796	1483.785	0.753	1.009	783.235	0.999	14.857
2/16/2018 10:45	132300	13.043	17.695	29.73	1277.618	1484.775	0.753	1.01	782.707	0.999	14.858
2/16/2018 11:00	133200	13.04	17.695	29.722	1277.945	1485.178	0.753	1.01	782.506	0.999	14.856
2/16/2018 11:15	134100	13.041	17.695	29.721	1277.821	1485.028	0.754	1.01	782.583	0.999	14.847
2/16/2018 11:30	135000	13.051	17.695	29.747	1278.452	1485.762	0.754	1.01	782.156	0.999	14.849
2/16/2018 11:45	135900	13.059	17.695	29.765	1277.365	1484.481	0.753	1.009	782.862	0.999	14.84
2/16/2018 12:00	136800	13.055	17.695	29.757	1277.17	1484.269	0.753	1.009	782.981	0.999	14.837
2/16/2018 12:15	137700	13.06	17.695	29.77	1277.309	1484.425	0.753	1.009	782.896	0.999	14.836
2/16/2018 12:30	138600	13.064	17.695	29.778	1277.272	1484.39	0.753	1.009	782.918	0.999	14.83
2/16/2018 12:45	139500	13.056	17.695	29.759	1277.343	1484.465	0.753	1.009	782.875	0.999	14.831
2/16/2018 13:00	140400	13.044	17.695	29.777	1277.33	1484.451	0.753	1.009	782.883	0.999	14.822
2/16/2018 13:15	141300	13.062	17.695	29.793	1276.439	1483					

2/17/2018 7:45	207900	13.043	17.694	29.73	1274.413	1481.084	0.751	1.007	784.675	0.999	14.805
2/17/2018 8:00	208000	13.04	17.695	29.721	1274.221	1480.843	0.751	1.007	784.794	0.999	14.81
2/17/2018 8:15	209700	13.046	17.694	29.736	1274.453	1481.125	0.751	1.007	784.651	0.999	14.808
2/17/2018 8:30	210600	13.049	17.694	29.742	1274.839	1481.58	0.751	1.007	784.413	0.999	14.807
2/17/2018 8:45	211500	13.04	17.695	29.722	1274.014	1480.607	0.751	1.007	784.921	0.999	14.816
2/17/2018 9:00	212400	13.041	17.695	29.735	1273.808	1480.004	0.751	1.006	785.239	0.999	14.81
2/17/2018 9:15	213300	13.047	17.695	29.739	1274.28	1480.904	0.751	1.007	784.757	0.999	14.81
2/17/2018 9:30	214200	13.04	17.695	29.723	1274.489	1481.162	0.751	1.007	784.628	0.999	14.817
2/17/2018 9:45	215100	13.046	17.694	29.735	1274.609	1481.31	0.751	1.007	784.554	0.999	14.803
2/17/2018 10:00	216000	13.048	17.694	29.741	1274.918	1481.687	0.751	1.007	784.352	0.999	14.811
2/17/2018 10:15	216900	13.04	17.695	29.723	1274.578	1481.257	0.751	1.007	784.573	0.999	14.813
2/17/2018 10:30	217800	13.047	17.695	29.738	1274.288	1480.925	0.751	1.007	784.752	0.999	14.806
2/17/2018 10:45	218700	13.05	17.695	29.742	1273.664	1480.206	0.751	1.007	785.137	0.999	14.807
2/17/2018 11:00	219600	13.041	17.695	29.725	1273.821	1480.371	0.751	1.007	785.04	0.999	14.811
2/17/2018 11:15	220500	13.052	17.694	29.749	1273.402	1479.901	0.75	1.006	785.298	0.999	14.805
2/17/2018 11:30	221400	13.05	17.695	29.746	1272.949	1479.366	0.75	1.006	785.577	0.999	14.806
2/17/2018 11:45	222300	13.054	17.694	29.754	1272.262	1479.314	0.75	1.006	785.607	0.999	14.802
2/17/2018 12:00	223200	13.058	17.695	29.763	1273.338	1479.818	0.75	1.006	785.338	0.999	14.797
2/17/2018 12:15	224100	13.071	17.694	29.794	1273.344	1479.842	0.75	1.006	785.334	0.999	14.783
2/17/2018 12:30	225000	13.065	17.695	29.785	1273.178	1479.641	0.75	1.006	785.436	0.999	14.793
2/17/2018 12:45	225900	13.071	17.694	29.794	1273.602	1480.145	0.751	1.006	785.175	0.999	14.78
2/17/2018 13:00	226800	13.071	17.695	29.792	1273.964	1480.545	0.751	1.007	784.952	0.999	14.78
2/17/2018 13:15	227700	13.063	17.695	29.776	1274.751	1481.466	0.751	1.007	784.467	0.999	14.779
2/17/2018 13:30	228600	13.067	17.695	29.784	1274.191	1480.806	0.751	1.007	784.812	0.999	14.78
2/17/2018 13:45	229500	13.073	17.695	29.787	1273.858	1480.419	0.751	1.007	785.017	0.999	14.766
2/17/2018 14:00	230400	13.067	17.694	29.793	1272.83	1479.245	0.75	1.006	785.651	0.999	14.775
2/17/2018 14:15	231300	13.068	17.695	29.787	1272.183	1479.462	0.75	1.006	786.05	0.999	14.773
2/17/2018 14:30	232200	13.074	17.695	29.799	1272.666	1479.037	0.75	1.006	785.752	0.999	14.767
2/17/2018 14:45	233100	13.07	17.694	29.79	1272.32	1478.644	0.75	1.005	785.966	0.999	14.769
2/17/2018 15:00	234000	13.062	17.695	29.773	1271.902	1478.146	0.75	1.005	786.224	0.999	14.77
2/17/2018 15:15	234900	13.067	17.695	29.787	1272.187	1478.489	0.75	1.005	786.048	0.999	14.768
2/17/2018 15:30	235800	13.069	17.695	29.789	1271.434	1477.591	0.749	1.005	786.513	0.999	14.767
2/17/2018 15:45	236700	13.061	17.694	29.773	1271.52	1477.722	0.749	1.005	786.46	0.999	14.767
2/17/2018 16:00	237600	13.065	17.695	29.78	1271.283	1477.433	0.749	1.005	786.607	0.999	14.764
2/17/2018 16:15	238500	13.059	17.694	29.764	1270.984	1477.117	0.749	1.005	786.786	0.999	14.769
2/17/2018 16:30	239400	13.057	17.695	29.76	1270.905	1476.976	0.749	1.004	786.841	0.999	14.77
2/17/2018 16:45	240300	13.069	17.695	29.788	1271.453	1477.628	0.749	1.005	786.502	0.999	14.776
2/17/2018 17:00	241200	13.062	17.694	29.752	1270.284	1476.286	0.749	1.005	787.226	0.999	14.771
2/17/2018 17:15	242100	13.064	17.694	29.777	1271.286	1477.448	0.749	1.005	786.605	0.999	14.76
2/17/2018 17:30	243000	13.063	17.695	29.774	1271.371	1477.527	0.749	1.005	786.552	0.999	14.763
2/17/2018 17:45	243900	13.063	17.695	29.774	1270.763	1476.823	0.749	1.004	786.929	0.999	14.764
2/17/2018 18:00	244800	13.067	17.694	29.779	1271.919	1478.215	0.75	1.006	786.177	0.999	14.759
2/17/2018 18:15	245700	13.06	17.694	29.769	1272.872	1479.289	0.75	1.006	785.625	0.999	14.764
2/17/2018 18:30	246600	13.056	17.695	29.758	1272.877	1479.312	0.75	1.006	785.622	0.999	14.765
2/17/2018 18:45	247500	13.06	17.695	29.768	1272.336	1478.658	0.75	1.006	785.956	0.999	14.759
2/17/2018 19:00	248400	13.065	17.694	29.779	1272.994	1479.433	0.75	1.006	785.549	0.999	14.757
2/17/2018 19:15	249300	13.064	17.694	29.777	1272.545	1478.905	0.75	1.006	785.827	0.999	14.757
2/17/2018 19:30	250200	13.061	17.694	29.769	1272.344	1478.686	0.75	1.006	785.951	0.999	14.759
2/17/2018 19:45	251100	13.056	17.695	29.762	1271.782	1478.02	0.749	1.005	786.298	0.999	14.76
2/17/2018 20:00	252000	13.065	17.694	29.779	1272.032	1478.312	0.75	1.005	786.144	0.999	14.755
2/17/2018 20:15	252900	13.064	17.695	29.777	1271.718	1477.944	0.749	1.005	786.338	0.999	14.754
2/17/2018 20:30	253800	13.065	17.694	29.782	1272.535	1478.9	0.75	1.006	785.833	0.999	14.752
2/17/2018 20:45	254700	13.07	17.695	29.79	1273.106	1479.554	0.75	1.006	785.481	0.999	14.748
2/17/2018 21:00	255600	13.065	17.694	29.779	1272.734	1479.137	0.75	1.006	785.71	0.999	14.752
2/17/2018 21:15	256500	13.064	17.694	29.777	1272.055	1478.336	0.75	1.005	786.129	0.999	14.751
2/17/2018 21:30	257400	13.067	17.695	29.788	1272.031	1478.3	0.75	1.006	786.144	0.999	14.75
2/17/2018 21:45	258300	13.065	17.694	29.779	1272.568	1478.952	0.75	1.006	785.812	0.999	14.751
2/17/2018 22:00	259200	13.066	17.695	29.782	1272.545	1478.894	0.75	1.006	785.827	0.999	14.748
2/17/2018 22:15	260100	13.064	17.694	29.778	1271.06	1477.185	0.749	1.004	786.745	0.999	14.746
2/17/2018 22:30	261000	13.062	17.694	29.772	1270.868	1476.546	0.749	1.004	786.497	0.999	14.75
2/17/2018 22:45	261900	13.061	17.694	29.767	1270.79	1476.872	0.749	1.004	786.912	0.999	14.752
2/17/2018 23:00	262800	13.06	17.694	29.769	1271.497	1477.693	0.749	1.005	786.475	0.999	14.753
2/17/2018 23:15	263700	13.061	17.694	29.771	1271.711	1477.942	0.749	1.005	786.342	0.999	14.75
2/17/2018 23:30	264600	13.053	17.694	29.751	1272.112	1478.405	0.75	1.005	786.094	0.999	14.755
2/17/2018 23:45	265500	13.054	17.695	29.755	1270.963	1477.063	0.749	1.004	786.805	0.999	14.758
2/18/2018 0:00	266400	13.058	17.694	29.764	1270.526	1476.562	0.749	1.004	787.075	0.999	14.754
2/18/2018 0:15	267300	13.059	17.695	29.766	1270.819	1476.849	0.749	1.005	786.882	0.999	14.753
2/18/2018 0:30	268200	13.064	17.694	29.777	1271.105	1477.234	0.749	1.004	786.717	0.999	14.747
2/18/2018 0:45	269100	13.069	17.694	29.788	1271.5	1477.693	0.749	1.005	786.473	0.999	14.743
2/18/2018 1:00	270000	13.06	17.694	29.786	1272.103	1478.496	0.75	1.005	786.045	0.999	14.746
2/18/2018 1:15	270900	13.06	17.694	29.768	1272.336	1478.671	0.75	1.005	785.956	0.999	14.751
2/18/2018 1:30	271800	13.063	17.695	29.775	1271.97	1478.234	0.75	1.005	786.182	0.999	14.746
2/18/2018 1:45	272700	13.066	17.694	29.782	1272.092	1478.19	0.75	1.005	786.107	0.999	14.744
2/18/2018 2:00	273600	13.061	17.694	29.77	1272.242	1478.517	0.75	1.007	786.014	0.999	14.748
2/18/2018 2:15	274500	13.067	17.694	29.783	1272.232	1478.551	0.75	1.005	786.02	0.999	14.74
2/18/2018 2:30	275400	13.068	17.694	29.787	1271.517	1477.713	0.749	1.005	786.462	0.999	14.74
2/18/2018 2:45	276300	13.067	17.694	29.784	1271.584	1478.048	0.749	1.006	786.414	0.999	14.74
2/18/2018 3:00	277200	13.069	17.694	29.787	1272.056	1478.36	0.75	1.005	786.129	0.999	14.736
2/18/2018 3:15	278100	13.064	17.695	29.777	1272.201	1478.5	0.75	1.005	786.039	0.999	14.742
2/18/2018 3:30	279000	13.066	17.694	29.782	1271.902	1478.172	0.75	1.005	786.224	0.999	14.738
2/18/2018 3:45	279900	13.065	17.694	29.779	1271.781	1478.026	0.749	1.005	786.299	0.999	14.739
2/18/2018 4:00	280800	13.062	17.695	29.772	1272.005	1478.261	0.75	1.005	786.161	0.999	14.736
2/18/2018 4:15	281700	13.059	17.694	29.764	1271.955	1478.229	0.75	1.005	786.191	0.999	14.738
2/18/2018 4:30	282600	13.066	17.694	29.781	1271.681	1477.915	0.749	1.005	786.361	0.999	14.734
2/18/2018 4:45	283500	13.068	17.69								

2/18/2018 2:15	350100	13.056	17.695	29.759	1271.066	1477.181	0.749	1.004	786.741	0.999	14.727
2/18/2018 2:30	351000	13.065	17.695	29.757	1271.145	1477.258	0.749	1.004	786.692	0.999	14.734
2/18/2018 2:45	351900	13.06	17.694	29.768	1272.223	1478.548	0.75	1.005	786.026	0.999	14.729
2/18/2018 0:00	352800	13.053	17.694	29.751	1271.233	1477.404	0.749	1.005	786.638	0.999	14.738
2/18/2018 0:15	353700	13.057	17.694	29.762	1270.803	1476.895	0.749	1.004	786.904	0.999	14.732
2/18/2018 0:30	354600	13.062	17.693	29.76	1270.273	1476.18	0.749	1.004	787.229	0.999	14.738
2/18/2018 0:45	355500	13.047	17.694	29.738	1270.28	1476.293	0.749	1.004	787.228	0.999	14.736
2/18/2018 1:00	356400	13.057	17.694	29.76	1271.088	1477.22	0.749	1.005	786.728	0.999	14.735
2/18/2018 1:15	357300	13.052	17.694	29.763	1270.921	1477.026	0.749	1.004	786.831	0.999	14.734
2/18/2018 1:30	358200	13.056	17.694	29.76	1271.088	1477.226	0.749	1.005	786.728	0.999	14.733
2/18/2018 1:45	359100	13.051	17.694	29.747	1271.476	1477.672	0.749	1.005	786.487	0.999	14.739
2/18/2018 2:00	360000	13.046	17.693	29.763	1271.04	1477.168	0.749	1.004	786.757	0.999	14.732
2/18/2018 2:15	360900	13.048	17.694	29.741	1270.116	1476.116	0.749	1.004	787.305	0.999	14.738
2/18/2018 2:30	361800	13.053	17.694	29.752	1270.236	1476.242	0.749	1.004	787.255	0.999	14.733
2/18/2018 2:45	362700	13.053	17.693	29.751	1270.811	1476.921	0.749	1.004	786.899	0.999	14.733
2/18/2018 3:00	363600	13.064	17.694	29.776	1270.709	1476.783	0.749	1.004	786.962	0.999	14.726
2/18/2018 3:15	364500	13.067	17.694	29.784	1272.316	1478.647	0.75	1.005	785.968	0.999	14.722
2/18/2018 3:30	365400	13.059	17.694	29.766	1272.878	1479.312	0.75	1.006	785.621	0.999	14.725
2/18/2018 3:45	366300	13.057	17.695	29.761	1273.778	1480.335	0.751	1.007	785.066	0.999	14.726
2/18/2018 4:00	367200	13.059	17.695	29.764	1274.313	1480.58	0.751	1.007	784.737	0.999	14.728
2/18/2018 4:15	368100	13.064	17.694	29.776	1275.069	1481.841	0.752	1.008	784.271	0.999	14.724
2/18/2018 4:30	369000	13.055	17.694	29.757	1273.471	1479.987	0.751	1.006	785.256	0.999	14.727
2/18/2018 4:45	369900	13.065	17.694	29.779	1273.307	1479.809	0.75	1.006	785.356	0.999	14.723
2/18/2018 5:00	370800	13.066	17.695	29.786	1272.235	1478.542	0.75	1.005	786.018	0.999	14.719
2/18/2018 5:15	371700	13.064	17.694	29.777	1271.111	1477.247	0.749	1.005	786.713	0.999	14.722
2/18/2018 5:30	372600	13.062	17.694	29.772	1270.723	1476.802	0.749	1.004	786.953	0.999	14.723
2/18/2018 5:45	373500	13.063	17.694	29.774	1270.569	1476.626	0.749	1.004	787.049	0.999	14.728
2/18/2018 6:00	374400	13.059	17.694	29.766	1270.14	1476.116	0.748	1.004	787.315	0.999	14.725
2/18/2018 6:15	375300	13.055	17.694	29.756	1269.856	1475.792	0.748	1.004	787.491	0.999	14.73
2/18/2018 6:30	376200	13.053	17.693	29.753	1270.469	1476.507	0.749	1.004	787.111	0.999	14.726
2/18/2018 6:45	377100	13.055	17.694	29.756	1270.732	1476.795	0.749	1.004	786.954	0.999	14.724
2/18/2018 7:00	378000	13.063	17.693	29.775	1270.877	1477.021	0.749	1.004	786.858	0.999	14.722
2/18/2018 7:15	378900	13.058	17.694	29.763	1271.463	1477.659	0.749	1.005	786.496	0.999	14.723
2/18/2018 7:30	379800	13.058	17.694	29.763	1271.166	1477.309	0.749	1.005	786.679	0.999	14.726
2/18/2018 7:45	380700	13.067	17.694	29.773	1271.217	1477.389	0.749	1.006	786.636	0.999	14.722
2/18/2018 8:00	381600	13.056	17.694	29.759	1270.907	1477.008	0.749	1.004	786.839	0.999	14.731
2/18/2018 8:15	382500	13.046	17.694	29.736	1269.816	1475.733	0.748	1.003	787.516	0.999	14.737
2/18/2018 8:30	383400	13.044	17.693	29.731	1268.989	1474.781	0.748	1.003	788.029	0.999	14.743
2/18/2018 8:45	384300	13.043	17.694	29.728	1267.368	1472.911	0.747	1.002	789.037	0.999	14.742
2/18/2018 9:00	385200	13.051	17.694	29.747	1268.845	1474.622	0.748	1.003	788.118	0.999	14.74
2/18/2018 9:15	386100	13.048	17.694	29.74	1269.194	1475.022	0.748	1.003	787.902	0.999	14.743
2/18/2018 9:30	387000	13.04	17.693	29.723	1270.13	1476.109	0.749	1.004	787.259	0.999	14.747
2/18/2018 9:45	387900	13.035	17.694	29.711	1270.394	1476.423	0.749	1.004	787.157	0.999	14.754
2/18/2018 10:00	388800	13.041	17.694	29.728	1269.051	1474.847	0.748	1.003	787.991	0.999	14.755
2/18/2018 10:15	389700	13.044	17.694	29.724	1269.268	1475.114	0.748	1.003	787.856	0.999	14.752
2/18/2018 10:30	390600	13.042	17.694	29.728	1269.853	1475.782	0.748	1.004	787.493	0.999	14.754
2/18/2018 10:45	391500	13.043	17.694	29.729	1269.967	1475.918	0.748	1.004	787.422	0.999	14.749
2/18/2018 11:00	392400	13.045	17.694	29.733	1270.682	1476.757	0.749	1.004	786.979	0.999	14.749
2/18/2018 11:15	393300	13.05	17.695	29.735	1270.116	1476.105	0.749	1.004	787.33	0.999	14.748
2/18/2018 11:30	394200	13.041	17.694	29.724	1270.236	1476.242	0.749	1.004	787.255	0.999	14.753
2/18/2018 11:45	395100	13.046	17.693	29.735	1270.311	1476.344	0.749	1.004	787.209	0.999	14.755
2/18/2018 12:00	396000	13.048	17.694	29.743	1270.673	1476.75	0.748	1.004	786.985	0.999	14.752
2/18/2018 12:15	396900	13.06	17.694	29.767	1270.467	1476.542	0.749	1.004	787.094	0.999	14.739
2/18/2018 12:30	397800	13.064	17.694	29.762	1271.874	1478.136	0.75	1.005	786.242	0.999	14.745
2/18/2018 12:45	398700	13.06	17.693	29.767	1271.82	1478.086	0.75	1.005	786.275	0.999	14.74
2/18/2018 13:00	399600	13.048	17.694	29.741	1270.261	1476.136	0.749	1.004	787.24	0.999	14.747
2/18/2018 13:15	400500	13.048	17.694	29.741	1270.644	1476.719	0.749	1.004	787.002	0.999	14.746
2/18/2018 13:30	401400	13.055	17.694	29.755	1270.116	1476.091	0.748	1.003	787.33	0.999	14.745
2/18/2018 13:45	402300	13.067	17.693	29.783	1270.4	1476.447	0.749	1.004	787.154	0.999	14.748
2/18/2018 14:00	403200	13.058	17.694	29.762	1269.825	1475.782	0.749	1.004	787.51	0.999	14.738
2/18/2018 14:15	404100	13.064	17.694	29.788	1268.962	1474.753	0.748	1.003	788.046	0.999	14.737
2/18/2018 14:30	405000	13.066	17.694	29.768	1269.214	1475.06	0.748	1.003	787.889	0.999	14.735
2/18/2018 14:45	405900	13.054	17.694	29.754	1268.564	1474.984	0.748	1.003	787.93	0.999	14.741
2/18/2018 15:00	406800	13.053	17.695	29.753	1268.975	1474.742	0.748	1.003	788.037	0.999	14.744
2/18/2018 15:15	407700	13.064	17.694	29.777	1269.287	1475.136	0.748	1.003	787.844	0.999	14.734
2/18/2018 15:30	408600	13.054	17.693	29.753	1269.908	1475.864	0.748	1.003	787.458	0.999	14.742
2/18/2018 15:45	409500	13.062	17.694	29.769	1270.682	1476.659	0.749	1.004	786.979	0.999	14.742
2/18/2018 16:00	410400	13.057	17.694	29.761	1268.974	1474.775	0.748	1.003	788.038	0.999	14.739
2/18/2018 16:15	411300	13.049	17.693	29.743	1269.072	1474.904	0.748	1.003	787.977	0.999	14.743
2/18/2018 16:30	412200	13.045	17.694	29.743	1268.143	1473.815	0.747	1.003	788.555	0.999	14.747
2/18/2018 16:45	413100	13.05	17.694	29.746	1267.859	1473.485	0.747	1.002	788.731	0.999	14.744
2/18/2018 17:00	414000	13.054	17.693	29.755	1268.357	1474.009	0.747	1.002	788.422	0.999	14.745
2/18/2018 17:15	414900	13.048	17.694	29.741	1268.3	1474.001	0.747	1.002	788.457	0.999	14.746
2/18/2018 17:30	415800	13.053	17.693	29.762	1268.976	1474.777	0.748	1.003	788.037	0.999	14.747
2/18/2018 17:45	416700	13.047	17.694	29.737	1269.738	1475.654	0.748	1.003	787.564	0.999	14.754
2/18/2018 18:00	417600	13.05	17.694	29.746	1269.806	1475.728	0.748	1.003	787.522	0.999	14.751
2/18/2018 18:15	418500	13.047	17.693	29.737	1269.637	1475.637	0.748	1.003	787.601	0.999	14.751
2/18/2018 18:30	419400	13.05	17.694	29.746	1269.556	1475.425	0.748	1.003	787.659	0.999	14.752
2/18/2018 18:45	420300	13.043	17.694	29.729	1270.537	1476.589	0.749	1.004	787.069	0.999	14.761
2/18/2018 19:00	421200	13.047	17.694	29.739	1270.792	1476.891	0.749	1.004	786.911	0.999	14.757
2/18/2018 19:15	422100	13.043	17.694	29.736	1270.386	1476.375	0.749	1.004	787.181	0.999	14.764
2/18/2018 19:30	423000	13.043	17.693	29.729	1269.848	1475.822	0.748	1.004	787.496	0.999	14.764
2/18/2018 19:45	423900	13.037	17.694	29.725	1269.055	1474.872	0.748	1.003	787.988	0.999	14.771
2/18/2018 20:00	424800	13.048	17.694	29.723	1270.403	1476.43	0.749	1.004	787.153	0.999	14.765
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2/20/2018 14:45	492300	13.045	17.694	29.734	1272.065	1478.377	0.75	1.005	786.123	0.999	14.833
2/20/2018 15:00	493200	13.052	17.693	29.735	1270.815	1478.537	0.748	1.007	786.896	0.999	14.832
2/20/2018 15:15	494100	13.056	17.693	29.736	1270.54	1476.61	0.749	1.004	787.067	0.999	14.827
2/20/2018 15:30	495000	13.046	17.694	29.735	1270.731	1476.823	0.749	1.004	786.949	0.999	14.833
2/20/2018 15:45	495900	13.051	17.693	29.747	1271.833	1478.129	0.75	1.005	786.267	0.999	14.833
2/20/2018 16:00	496800	13.05	17.693	29.745	1272.136	1478.435	0.75	1.006	786.098	0.999	14.835
2/20/2018 16:15	497700	13.047	17.694	29.738	1273.276	1479.764	0.75	1.006	785.376	0.999	14.834
2/20/2018 16:30	498600	13.051	17.693	29.747	1272.587	1478.991	0.75	1.006	785.801	0.999	14.831
2/20/2018 16:45	499500	13.053	17.694	29.751	1272.84	1479.276	0.75	1.006	785.645	0.999	14.822
2/20/2018 17:00	500400	13.041	17.694	29.724	1272.477	1478.485	0.75	1.006	785.869	0.999	14.834
2/20/2018 17:15	501300	13.053	17.694	29.751	1272.943	1479.382	0.75	1.006	785.581	0.999	14.827
2/20/2018 17:30	502200	13.048	17.694	29.74	1273.051	1479.516	0.75	1.006	785.514	0.999	14.832
2/20/2018 17:45	503100	13.05	17.694	29.745	1272.737	1479.143	0.75	1.006	785.714	0.999	14.829
2/20/2018 18:00	504000	13.045	17.693	29.732	1272.219	1478.558	0.75	1.005	786.028	0.999	14.836
2/20/2018 18:15	504900	13.05	17.693	29.745	1272.496	1478.889	0.75	1.006	785.857	0.999	14.828
2/20/2018 18:30	505800	13.049	17.694	29.743	1272.265	1479.765	0.75	1.006	785.382	0.999	14.83
2/20/2018 18:45	506700	13.045	17.694	29.734	1274.607	1481.435	0.751	1.007	784.5	0.999	14.829
2/20/2018 19:00	507600	13.041	17.694	29.724	1274.664	1481.397	0.751	1.007	784.52	0.999	14.832
2/20/2018 19:15	508500	13.053	17.693	29.753	1275.171	1481.989	0.752	1.008	784.209	0.999	14.826
2/20/2018 19:30	509400	13.045	17.693	29.733	1274.916	1481.368	0.751	1.008	784.365	0.999	14.835
2/20/2018 19:45	510300	13.047	17.694	29.738	1275.295	1482.127	0.752	1.008	784.133	0.999	14.833
2/20/2018 20:00	511200	13.039	17.693	29.72	1274.468	1481.177	0.751	1.007	784.641	0.999	14.834
2/20/2018 20:15	512100	13.043	17.693	29.728	1277.378	1479.908	0.75	1.006	785.313	0.999	14.837
2/20/2018 20:30	513000	13.045	17.693	29.734	1273.122	1479.625	0.75	1.006	785.471	0.999	14.834
2/20/2018 20:45	513900	13.032	17.694	29.703	1275.285	1482.118	0.752	1.008	784.139	0.999	14.843
2/20/2018 21:00	514800	13.039	17.693	29.72	1273.721	1480.304	0.751	1.007	785.101	0.999	14.838
2/20/2018 21:15	515700	13.034	17.693	29.708	1274.105	1480.768	0.751	1.007	784.864	0.999	14.846
2/20/2018 21:30	516600	13.049	17.694	29.743	1274.882	1481.636	0.751	1.008	784.386	0.999	14.833
2/20/2018 21:45	517500	13.042	17.694	29.728	1276.276	1483.267	0.752	1.009	783.53	0.999	14.84
2/20/2018 22:00	518400	13.04	17.694	29.722	1277.593	1484.795	0.753	1.01	782.722	0.999	14.838
2/20/2018 22:15	519300	13.048	17.694	29.74	1278.719	1486.1	0.754	1.01	782.033	0.999	14.835
2/20/2018 22:30	520200	13.043	17.693	29.729	1278.01	1485.302	0.753	1.01	782.467	0.999	14.836
2/20/2018 22:45	521100	13.044	17.693	29.732	1278.713	1486.12	0.754	1.011	782.036	0.999	14.84
2/20/2018 22:00	522000	13.041	17.694	29.724	1278.86	1486.268	0.754	1.011	781.946	0.999	14.837
2/20/2018 22:15	522900	13.036	17.693	29.717	1278.157	1485.445	0.751	1.01	782.377	0.999	14.842
2/20/2018 22:30	523800	13.045	17.693	29.733	1277.88	1485.137	0.753	1.01	782.546	0.999	14.838
2/20/2018 23:45	524700	13.044	17.693	29.732	1277.972	1485.247	0.753	1.01	782.49	0.999	14.833
2/21/2018 0:00	525600	13.053	17.694	29.752	1277.776	1484.908	0.752	1.01	782.61	0.999	14.829
2/21/2018 0:15	526500	13.052	17.694	29.75	1278.733	1486.12	0.754	1.011	782.024	0.999	14.83
2/21/2018 0:30	527400	13.052	17.693	29.749	1278.9	1486.332	0.754	1.011	781.922	0.999	14.83
2/21/2018 0:45	528300	13.042	17.693	29.728	1277.131	1484.258	0.753	1.009	783.005	0.999	14.834
2/21/2018 1:00	529200	13.048	17.694	29.741	1277.765	1485.019	0.753	1.01	782.616	0.999	14.832
2/21/2018 1:15	530100	13.058	17.693	29.764	1278.028	1485.32	0.753	1.009	782.456	0.999	14.823
2/21/2018 1:30	531000	13.053	17.693	29.752	1279.323	1486.814	0.754	1.011	781.664	0.999	14.821
2/21/2018 1:45	531900	13.051	17.693	29.761	1280.242	1487.902	0.755	1.012	781.102	0.999	14.818
2/21/2018 2:00	532800	13.05	17.694	29.744	1280.08	1487.699	0.755	1.012	781.201	0.999	14.826
2/21/2018 2:15	533700	13.058	17.693	29.764	1281.001	1488.773	0.755	1.012	780.64	0.999	14.818
2/21/2018 2:30	534600	13.056	17.693	29.76	1280.43	1488.101	0.755	1.012	780.987	0.999	14.818
2/21/2018 2:45	535500	13.062	17.698	29.788	1280.001	1487.707	0.755	1.012	781.195	0.999	14.821
2/21/2018 3:00	536400	13.061	17.693	29.769	1279.833	1487.407	0.754	1.011	781.352	0.999	14.815
2/21/2018 3:15	537300	13.067	17.694	29.783	1278.307	1485.624	0.754	1.01	782.285	0.999	14.807
2/21/2018 3:30	538200	13.063	17.694	29.782	1278.884	1486.361	0.754	1.011	781.932	0.999	14.82
2/21/2018 3:45	539100	13.061	17.694	29.771	1278.315	1485.636	0.754	1.01	782.28	0.999	14.811
2/21/2018 4:00	540000	13.065	17.694	29.78	1279.837	1487.406	0.754	1.011	781.35	0.999	14.805
2/21/2018 4:15	540900	13.062	17.693	29.771	1278.557	1485.942	0.754	1.01	782.132	0.999	14.808
2/21/2018 4:30	541800	13.063	17.693	29.782	1277.899	1485.168	0.753	1.01	782.535	0.999	14.811
2/21/2018 4:45	542700	13.058	17.693	29.763	1277.897	1485.168	0.753	1.01	782.536	0.999	14.812
2/21/2018 5:00	543600	13.048	17.693	29.741	1276.728	1483.807	0.753	1.009	781.252	0.999	14.82
2/21/2018 5:15	544500	13.046	17.693	29.735	1276.773	1483.859	0.753	1.009	781.225	0.999	14.823
2/21/2018 5:30	545400	13.049	17.693	29.741	1274.927	1481.711	0.751	1.009	784.358	0.999	14.81
2/21/2018 5:45	546300	13.049	17.693	29.743	1275.222	1482.054	0.752	1.008	784.177	0.999	14.821
2/21/2018 6:00	547200	13.048	17.693	29.728	1275.659	1482.568	0.752	1.008	783.908	0.999	14.822
2/21/2018 6:15	548100	13.045	17.693	29.733	1276.344	1483.364	0.752	1.009	783.488	0.999	14.82
2/21/2018 6:30	549000	13.047	17.694	29.739	1276.574	1483.654	0.752	1.009	783.346	0.999	14.816
2/21/2018 6:45	549900	13.047	17.693	29.739	1276.961	1484.087	0.753	1.009	783.109	0.999	14.823
2/21/2018 7:00	550800	13.037	17.693	29.715	1276.493	1483.517	0.752	1.009	783.396	0.999	14.828
2/21/2018 7:15	551700	13.041	17.693	29.723	1275.132	1482.152	0.752	1.009	784.117	0.999	14.83
2/21/2018 7:30	552600	13.042	17.694	29.726	1276.004	1482.954	0.752	1.008	783.696	0.999	14.831
2/21/2018 7:45	553500	13.045	17.693	29.734	1274.969	1481.756	0.751	1.008	784.333	0.999	14.827
2/21/2018 8:00	554400	13.051	17.694	29.747	1275.343	1482.183	0.752	1.009	784.103	0.999	14.822
2/21/2018 8:15	555300	13.045	17.694	29.734	1274.451	1481.149	0.751	1.007	784.052	0.999	14.828
2/21/2018 8:30	556200	13.041	17.693	29.725	1276.301	1483.305	0.752	1.009	783.514	0.999	14.832
2/21/2018 8:45	557100	13.047	17.693	29.737	1276.656	1483.72	0.753	1.009	783.296	0.999	14.827
2/21/2018 9:00	558000	13.037	17.693	29.715	1275.215	1482.089	0.752	1.008	784.157	0.999	14.834
2/21/2018 9:15	558900	13.045	17.693	29.733	1274.936	1481.716	0.751	1.008	784.353	0.999	14.829
2/21/2018 9:30	559800	13.045	17.693	29.733	1274.279	1480.955	0.751	1.007	784.757	0.999	14.825
2/21/2018 9:45	560700	13.042	17.693	29.727	1273.484	1480.044	0.751	1.006	785.241	0.999	14.833
2/21/2018 10:00	561600	13.053	17.693	29.752	1273.497	1480.043	0.751	1.006	785.239	0.999	14.822
2/21/2018 10:15	562500	13.045	17.693	29.734	1273.255	1479.773	0.75	1.006	785.389	0.999	14.83
2/21/2018 10:30	563400	13.046	17.693	29.736	1272.846	1479.31	0.75	1.006	785.641	0.999	14.83
2/21/2018 10:45	564300	13.05	17.694	29.744	1272.093	1478.316	0.75	1.005	786.161	0.999	14.825
2/21/2018 11:00	565200	13.045	17.694	29.745	1271.819	1478.082	0.75	1.005	786.275	0.999	14.826
2/21/2018 11:15	566100	13.045	17.694	29.734	1271.898	1478.173	0.75	1.005	786.227	0.999	14.83
2/21/2018 11:30	567000	13.054	17.694	29.754	1271.03	1477.176	0.749	1.004	786.763	0.999	14.822
2/21/2018 11:45	567900	13.048	17.								

Report Date: 2/23/2018 14:44
Report User Name: AVanHaltsma
Report Computer Name: WNS34
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties
File Name: MPWSP MW-8D LT Test_2018-02-22_12-39-57-571-BaroMerge.wsl
Create Date: 2/23/2018 14:43

Device Properties
Device: Aqua TROLL 100
Site: MPWSP MW-8D
Device Name:
Serial Number: 469355
Firmware Version: 2.05
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: AVanHaltsma
Computer Name: PRODDOK2
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: Specific Gravity
Depth: 1.012

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: AVanHaltsma
6/22/2017 11:32 Log Download - Used Battery: 11% Used Memory: 20% User Name: AVanHaltsma 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: 6/21/2017 10:00:00 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: AVanHaltsma 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 10:30:00 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: AVanHaltsma 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: AVanHaltsma 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: AVanHaltsma 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: AVanHaltsma 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 11:36 Log Download - Used Battery: 15% Used Memory: 29% User Name: AVanHaltsma 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: 30% User Name: AVanHaltsma Interval - Start Time: 9/12/2017 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: AVanHaltsma Interval - Start Time: 10/4/2017 10:00:00 PM Stop Time: 10/12/2017 2:45:00 PM
10/19/2017 14:07 Log Download - Used Battery: 17% Used Memory: 32% User Name: AVanHaltsma Interval - Start Time: 10/11/2017 10:00:00 PM Stop Time: 10/19/2017 3:00:00 PM
10/26/2017 12:12 Log Download - Used Battery: 18% Used Memory: 34% User Name: WMassoll Interval - Start Time: 10/18/2017 10:00:00 PM Stop Time: 10/26/2017 1:00:00 PM
11/2/2017 13:48 Log Download - Used Battery: 18% Used Memory: 34% User Name: WMassoll Interval - Start Time: 9/30/2017 10:00:00 PM Stop Time: 11/2/2017 1:45:00 PM
11/9/2017 12:41 Log Download - Used Battery: 18% Used Memory: 35% User Name: AVanHaltsma Interval - Start Time: 11/1/2017 10:00:00 PM Stop Time: 11/9/2017 2:30:00 PM
11/16/2017 11:09 Log Download - Used Battery: 19% Used Memory: 35% User Name: WMassoll Interval - Start Time: 11/9/2017 10:15:00 AM Stop Time: 11/16/2017 11:00:00 AM
11/23/2017 13:55 Log Download - Used Battery: 19% Used Memory: 37% User Name: AVanHaltsma Interval - Start Time: 11/15/2017 10:00:00 PM Stop Time: 11/23/2017 2:45:00 PM
12/1/2017 9:16 Log Download - Used Battery: 19% Used Memory: 39% User Name: AVanHaltsma Interval - Start Time: 10/31/2017 10:00:00 PM Stop Time: 12/1/2017 10:15:00 AM
12/7/2017 14:25 Log Download - Used Battery: 20% Used Memory: 39% User Name: WMassoll Interval - Start Time: 11/29/2017 10:00:00 PM Stop Time: 12/7/2017 3:15:00 PM
12/14/2017 11:54 Log Download - Used Battery: 20% Used Memory: 40% User Name: WMassoll Interval - Start Time: 12/6/2017 10:00:00 PM Stop Time: 12/14/2017 12:45:00 PM
12/21/2017 10:44 Log Download - Used Battery: 20% Used Memory: 40% User Name: AVanHaltsma Interval - Start Time: 12/13/2017 10:00:00 PM Stop Time: 12/21/2017 12:15:00 PM
12/21/2017 11:00 Log Download - Used Battery: 20% Used Memory: 40% User Name: AVanHaltsma Interval - Start Time: 11/15/2017 10:00:00 PM Stop Time: 12/21/2017 3:10:00 PM
12/21/2017 11:01 Log Download - Used Battery: 20% Used Memory: 40% User Name: AVanHaltsma Interval - Start Time: 12/13/2017 10:00:00 PM Stop Time: 12/21/2017 3:30:00 PM
1/4/2018 13:59 Log Download - Used Battery: 21% Used Memory: 42% User Name: WMassoll Interval - Start Time: 11/30/2017 10:00:00 PM Stop Time: 1/4/2018 2:45:00 PM
1/11/2018 9:53 Log Download - Used Battery: 22% Used Memory: 43% User Name: AVanHaltsma Interval - Start Time: 1/3/2018 10:00:00 PM Stop Time: 1/11/2018 4:15:00 PM
1/18/2018 11:31 Log Download - Used Battery: 22% Used Memory: 43% User Name: WMassoll Interval - Start Time: 1/10/2018 10:00:00 PM Stop Time: 1/18/2018 12:30:00 PM
1/26/2018 10:58 Log Download - Used Battery: 22% Used Memory: 45% User Name: WMassoll Interval - Start Time: 1/17/2018 10:00:00 PM Stop Time: 1/26/2018 11:45:00 AM
2/1/2018 16:32 Log Download - Used Battery: 23% Used Memory: 45% User Name: WMassoll Interval - Start Time: 12/31/2017 10:00:00 PM Stop Time: 2/1/2018 5:30:00 PM
2/8/2018 14:06 Log Download - Used Battery: 23% Used Memory: 46% User Name: AVanHaltsma Interval - Start Time: 1/24/2018 10:00:00 PM Stop Time: 2/8/2018 12:00:00 PM
2/15/2018 9:51 Log Download - Used Battery: 23% Used Memory: 46% User Name: AVanHaltsma Interval - Start Time: 2/7/2018 10:00:00 PM Stop Time: 2/15/2018 10:45:00 AM
2/22/2018 12:39 Log Download - Used Battery: 24% Used Memory: 48% User Name: WMassoll Interval - Start Time: 2/14/2018 10:00:00 PM Stop Time: 2/22/2018 12:30:00 PM
2/23/2018 14:43 User Note: Pressure & Level adjusted by baro data from: "MPWSP Barotroll_2018-02-22_16-56-22-545.wsl"

Log Data:
Record Count: 730

Sensors
2
1 469355 PCTD 300 PSA (20.7m/658.7ft)
2 0 Baro-Adjustment Calc

Time Zone: Pacific Standard Time

Date and Time	Elapsed Time Seconds	Sensor: PCTD(A) 658.7ft SNR: 469355 Corrected Pressure (PSI)	Sensor: PCTD(A) 658.7ft SNR: 469355 Temperature (C)	Sensor: PCTD(A) 658.7ft SNR: 469355 Corrected Depth (ft)	Sensor: PCTD(A) 658.7ft SNR: 469355 Actual Conductivity (uS)	Sensor: PCTD(A) 658.7ft SNR: 469355 Specific Conductivity (uS)	Sensor: PCTD(A) 658.7ft SNR: 469355 Salinity (ppt)	Sensor: PCTD(A) 658.7ft SNR: 469355 Total Dissolved Solids (ppt)	Sensor: PCTD(A) 658.7ft SNR: 469355 Resistivity (ohm-cm)	Sensor: PCTD(A) 658.7ft SNR: 469355 Water Density (g/cm3)	Sensor: PCTD(A) 658.7ft SNR: 469355 Barometric Pressure (PSI)
2/15/2018 0:00	7200	131.047	20.396	298.696	12371.814	13564.649	7.92	9.224	80.829	1.004	14.811
2/15/2018 0:15	8100	131.08	20.393	298.772	12968.287	13961.502	7.918	9.222	80.852	1.004	14.829
2/15/2018 0:30	9000	131.048	20.393	298.698	12361.313	13554.077	7.913	9.217	80.898	1.004	14.831
2/15/2018 0:45	9900	131.065	20.394	298.737	12365.762	13558.46	7.916	9.22	80.868	1.004	14.836
2/15/2018 1:00	10800	131.043	20.385	298.688	12371.954	13567.849	7.922	9.226	80.828	1.004	14.835
2/15/2018 1:15	11700	131.04	20.393	298.68	12377.795	13571.975	7.925	9.229	80.79	1.004	14.83
2/15/2018 1:30	12600	131.038	20.387	298.675	12371.315	13566.779	7.921	9.225	80.832	1.004	14.829
2/15/2018 1:45	13500	131.035	20.386	298.669	12374.122	13569.905	7.923	9.228	80.814	1.004	14.835
2/15/2018 1:50	14400	131.042	20.395	298.688	12290.041	13584.81	7.933	9.239	80.71	1.004	14.835
2/15/2018 2:15	15300	131.026	20.392	298.649	12289.406	13585.129	7.933	9.238	80.714	1.004	14.831
2/15/2018 2:30	16200	131.027	20.39	298.652	12391.808	13588.381	7.935	9.24	80.698	1.004	14.83
2/15/2018 2:45	17100	131.038	20.391	298.677	12284.594	13580.052	7.93	9.234	80.745	1.004	14.834
2/15/2018 3:00	18000	131.021	20.397	298.636	12389.294	13583.421	7.932	9.237	80.715	1.004	14.826
2/15/2018 3:15	18900	131.039	20.396	298.679	12381.976	13575.719	7.927	9.231	80.763	1.004	14.825
2/15/2018 3:30	19800	131.039	20.389	298.678	12402.841	13600.729	7.943	9.248	80.627	1.004	14.831
2/15/2018 3:45	20700	131.021	20.395	298.591	12394.627	13590.036	7.916	9.241	80.68	1.004	14.824
2/15/2018 4:00	21600	131.039	20.391	298.679	12396.31	13592.923	7.938	9.243	80.669	1.004	14.823
2/15/2018 4:15	22500	130.984	20.393	298.554	12396.583	13592.774	7.938	9.243	80.667	1.004	14.832
2/15/2018 4:30	23400	131	20.389	298.589	12398.643	13596.052	7.94	9.245	80.654	1.004	14.825
2/15/2018 4:45	24300	130.989	20.388	298.565	12398.748	13596.489	7.94	9.246	80.653	1.004	14.82
2/15/2018 5:00	25200	130.991	20.396	298.569	12410.993	13607.708	7.947	9.246	80.574	1.004	14.825
2/15/2018 5:15	26100	131.012	20.386	298.616	12412.099	13611.651	7.95	9.256	80.567	1.004	14.831
2/15/2018 5:30	27000	130.977	20.403	298.536	12408.317	13620.144	7.96	9.263	80.591	1.004	14.824
2/15/2018 5:45	27900	130.985	20.397	298.555	12411.065	13607.388	7.947	9.253	80.573	1.004	14.827
2/15/2018 6:00	28800	130.99	20.398	298.566	12413.081	13609.228	7.948	9.254	80.56	1.004	14.832
2/15/2018 6:15	29700	130.985	20.396	298.555	12402.84	13598.643	7.941	9.247	80.627	1.004	14.829
2/15/2018 6:30	30600	130.981	20.393	298.565	12416.235	13614.226	7.953	9.258	80.54	1.004	14.837
2/15/2018 6:45	31500	130.985	20.397	298.555	12415.783	13612.586	7.95	9.257	80.543	1.004	14.837
2/15/2018 7:00	32400	131.029	20.394	298.654	12420.615	13618.678	7.954	9.261	80.511	1.004	14.844
2/15/2018 7:15	33300	131.005	20.391	298.589	12426.957	13627.023	7.959	9.267	80.47	1.004	14.842
2/15/2018 7:30	34200	131.002	20.391	298.594	12415.123	13613.429	7.951	9.257	80.547	1.004	14.846
2/15/2018 7:45	35100	131.03	20.393	298.658	12425.966	13624.792	7.958	9.265	80.477	1.004	14.853
2/15/2018 8:00	36000	131.022	20.393	298.639	12419.757	13618.011	7.954	9.26	80.511	1.004	14.849
2/15/2018 8:15	36900	131.009	20.393	298.725	12428.821	13628.05	7.96	9.267	80.458	1.004	14.856
2/15/2018 8:30	37800	131.067	20.397	298.712	12429.405	13627.179	7.966	9.267	80.457	1.004	14.854
2/15/2018 8:45	38700	131.04	20.397	298.68	12435.304	13634.064	7.964	9.271	80.416	1.004	14.86
2/15/2018 9:00	39600	131.049	20.391	298.61	12425.39	13624.709	7.958	9.265	80.48	1.004	14.858
2/15/2018 9:15	40500	131.057	20.395	298.72	12435.555	13634.687	7.964	9.272	80.415	1.004	14.859
2/15/2018 9:30	41400	131.066	20.392	298.741	12434.846	13634.954	7.964	9.272	80.419	1.004	14.864
2/15/2018 9:45	42300	131.1	20.396	298.817	12430.206	13628.623	7.96	9.267	80.449	1.004	14.872
2/15/2018 10:00	43200	131.078	20.397	298.766	12421.234	13618.563	7.954	9.261	80.507	1.004	14.87
2/15/2018 10:15	44100	131.095	20.395	298.823	12439.323	13638.818	7.967	9.274	80.39	1.004	14.861
2/15/2018 10:30	45000	131.101	20.394	298.819	12431.984	13631.094	7.962	9.269	80.438	1.004	14.864

2/15/2018 10:45	45900	131.112	20.389	298.846	12441.01	13642.537	7.969	9.277	80.379	1.004	14.864
2/15/2018 11:00	46000	131.112	20.389	298.841	12441.564	13648.878	7.973	9.283	80.343	1.004	14.865
2/15/2018 11:15	47700	131.149	20.393	298.929	12449.975	13651.22	7.975	9.283	80.321	1.004	14.86
2/15/2018 11:30	48600	131.119	20.4	298.86	12457.234	13657.162	7.978	9.287	80.275	1.004	14.853
2/15/2018 11:45	49500	131.125	20.393	298.875	12443.592	13644.146	7.97	9.278	80.363	1.004	14.855
2/15/2018 12:00	50400	131.113	20.394	298.852	12437.955	13637.955	7.966	9.274	80.399	1.004	14.85
2/15/2018 12:15	51300	131.159	20.398	298.953	12440.67	13639.6	7.967	9.275	80.382	1.004	14.852
2/15/2018 12:30	52200	131.171	20.393	298.979	12457.845	13659.924	7.98	9.289	80.271	1.004	14.853
2/15/2018 12:45	53100	131.147	20.396	298.924	12446.222	13646.357	7.972	9.28	80.346	1.004	14.842
2/15/2018 13:00	54000	131.113	20.395	298.892	12454.449	13655.292	7.977	9.286	80.293	1.004	14.847
2/15/2018 13:15	54900	131.133	20.385	298.983	12454.984	13658.981	7.979	9.288	80.289	1.004	14.839
2/15/2018 13:30	55800	131.138	20.394	298.904	12463.353	13655.464	7.984	9.293	80.235	1.004	14.834
2/15/2018 13:45	56700	131.128	20.394	298.884	12453.668	13654.995	7.977	9.287	80.298	1.004	14.837
2/15/2018 14:00	57600	131.101	20.39	298.819	12448.945	13650.964	7.974	9.283	80.328	1.004	14.836
2/15/2018 14:15	58500	131.101	20.395	298.819	12437.954	13637.317	7.966	9.273	80.399	1.004	14.837
2/15/2018 14:30	59400	131.099	20.394	298.816	12464.563	13667.042	7.985	9.294	80.227	1.004	14.832
2/15/2018 14:45	60300	131.085	20.382	298.782	12461.359	13665.324	7.983	9.292	80.248	1.004	14.834
2/15/2018 15:00	61200	131.077	20.396	298.766	12457.883	13659.071	7.98	9.288	80.27	1.004	14.824
2/15/2018 15:15	62100	131.089	20.393	298.793	12460.619	13662.867	7.982	9.291	80.253	1.004	14.826
2/15/2018 15:30	63000	131.093	20.389	298.879	12456.553	13659.433	7.98	9.288	80.279	1.004	14.832
2/15/2018 15:45	63900	131.03	20.385	298.657	12464.886	13660.466	7.98	9.289	80.28	1.004	14.826
2/15/2018 16:00	64800	130.999	20.389	298.588	12461.351	13664.767	7.983	9.292	80.248	1.004	14.827
2/15/2018 16:15	65700	130.99	20.396	298.566	12447.698	13647.952	7.973	9.281	80.336	1.004	14.822
2/15/2018 16:30	66600	130.975	20.39	298.521	12459.624	13662.652	7.982	9.291	80.259	1.004	14.827
2/15/2018 16:45	67500	130.993	20.397	298.573	12467.068	13668.74	7.986	9.295	80.211	1.004	14.827
2/15/2018 17:00	68400	130.93	20.396	298.43	12454.278	13655.191	7.977	9.286	80.294	1.004	14.834
2/15/2018 17:15	69300	130.96	20.393	298.477	12467.152	13671.901	7.988	9.297	80.211	1.004	14.831
2/15/2018 17:30	70200	130.911	20.391	298.386	12461.178	13663.929	7.983	9.291	80.249	1.004	14.827
2/15/2018 17:45	71100	130.896	20.388	298.352	12463.94	13667.805	7.985	9.294	80.231	1.004	14.836
2/15/2018 18:00	72000	130.884	20.389	298.325	12478.664	13683.852	7.995	9.305	80.137	1.004	14.84
2/15/2018 18:15	72900	130.873	20.399	298.229	12471.479	13675.648	7.99	9.299	80.183	1.004	14.84
2/15/2018 18:30	73800	130.874	20.393	298.302	12472.593	13675.87	7.99	9.3	80.176	1.004	14.839
2/15/2018 18:45	74700	130.856	20.389	298.26	12462.947	13666.541	7.984	9.293	80.238	1.004	14.849
2/15/2018 18:50	75600	130.883	20.395	298.323	12462.74	13664.545	7.983	9.292	80.239	1.004	14.848
2/15/2018 19:15	76500	130.845	20.384	298.249	12470.402	13680.294	7.989	9.304	80.119	1.004	14.847
2/15/2018 19:30	77400	130.844	20.386	298.234	12476.249	13682.05	7.994	9.304	80.152	1.004	14.853
2/15/2018 19:45	78300	130.852	20.39	298.252	12469.75	13673.876	7.989	9.298	80.194	1.004	14.848
2/15/2018 20:00	79200	130.844	20.391	298.235	12480.065	13684.813	7.996	9.304	80.128	1.004	14.85
2/15/2018 20:15	80100	130.842	20.392	298.23	12470.458	13673.853	7.989	9.298	80.19	1.004	14.855
2/15/2018 20:30	81000	130.828	20.397	298.196	12466.502	13668.193	7.985	9.294	80.215	1.004	14.864
2/15/2018 20:45	81900	130.835	20.396	298.213	12476.573	13679.509	7.993	9.302	80.115	1.004	14.859
2/15/2018 21:00	82800	130.865	20.392	298.267	12485.27	13690.29	7.999	9.302	80.094	1.004	14.865
2/15/2018 21:15	83700	130.846	20.389	298.237	12483.11	13688.752	7.998	9.308	80.108	1.004	14.867
2/15/2018 21:30	84600	130.851	20.387	298.251	12486.163	13692.574	8.001	9.311	80.089	1.004	14.865
2/15/2018 21:45	85500	130.84	20.384	298.216	12488.478	13693.139	8.001	9.311	80.074	1.004	14.869
2/15/2018 22:00	86400	130.85	20.396	298.247	12495.377	13700.151	8.006	9.316	80.03	1.004	14.869
2/15/2018 22:15	87300	130.852	20.395	298.253	12499.029	13704.406	8.008	9.319	80.006	1.004	14.872
2/15/2018 22:30	88200	130.883	20.399	298.323	12498.657	13702.974	8.007	9.318	80.009	1.004	14.87
2/15/2018 22:45	89100	130.852	20.392	298.276	12497.948	13703.847	8.008	9.319	80.013	1.004	14.872
2/15/2018 23:00	90000	130.866	20.39	298.285	12499.216	13706.063	8.009	9.32	80.005	1.004	14.872
2/15/2018 23:15	90900	130.869	20.391	298.29	12501.703	13708.466	8.011	9.322	79.989	1.004	14.87
2/15/2018 23:30	91800	130.861	20.392	298.273	12506.09	13712.756	8.014	9.325	79.961	1.004	14.877
2/15/2018 23:45	92700	130.87	20.394	298.294	12518.99	13726.492	8.022	9.334	79.879	1.004	14.873
2/16/2018 0:00	93600	130.872	20.389	298.298	12511.41	13719.685	8.018	9.329	79.927	1.004	14.874
2/16/2018 0:15	94500	130.878	20.39	298.312	12514.827	13723.029	8.022	9.332	79.905	1.004	14.869
2/16/2018 0:30	95400	130.876	20.396	298.306	12515.504	13721.893	8.019	9.331	79.901	1.004	14.871
2/16/2018 0:45	96300	130.902	20.396	298.366	12510.376	13716.896	8.016	9.327	79.934	1.004	14.873
2/16/2018 1:00	97200	130.888	20.399	298.334	12514.84	13720.617	8.018	9.33	79.905	1.004	14.865
2/16/2018 1:15	98100	130.888	20.388	298.334	12528.189	13728.46	8.03	9.342	79.82	1.004	14.864
2/16/2018 1:30	99000	130.874	20.387	298.316	12517.187	13725.71	8.022	9.334	79.849	1.004	14.868
2/16/2018 1:45	99900	130.889	20.389	298.337	12523.605	13733.359	8.026	9.339	79.849	1.004	14.862
2/16/2018 2:00	100800	130.874	20.394	298.333	12531.576	13740.243	8.031	9.343	79.798	1.004	14.867
2/16/2018 2:15	101700	130.881	20.393	298.349	12531.112	13741.59	8.032	9.344	79.801	1.004	14.865
2/16/2018 2:30	102600	130.874	20.399	298.301	12530.092	13737.288	8.029	9.341	79.808	1.004	14.858
2/16/2018 2:45	103500	130.865	20.397	298.282	12536.774	13745.239	8.034	9.347	79.765	1.004	14.859
2/16/2018 3:00	104400	130.863	20.392	298.277	12538.576	13748.647	8.036	9.349	79.754	1.004	14.859
2/16/2018 3:15	105300	130.851	20.393	298.261	12537.129	13746.832	8.032	9.348	79.763	1.004	14.853
2/16/2018 3:30	106200	130.853	20.389	298.255	12540.189	13751.194	8.038	9.351	79.744	1.004	14.856
2/16/2018 3:45	107100	130.86	20.393	298.271	12550.295	13761.319	8.044	9.358	79.679	1.004	14.848
2/16/2018 4:00	108000	130.84	20.394	298.253	12553.229	13764.646	8.046	9.36	79.661	1.004	14.841
2/16/2018 4:15	108900	130.833	20.392	298.245	12545.646	13756.499	8.047	9.354	79.709	1.004	14.847
2/16/2018 4:30	109800	130.833	20.392	298.21	12554.099	13765.74	8.047	9.361	79.655	1.004	14.844
2/16/2018 4:45	110700	130.836	20.388	298.215	12567.987	13783.06	8.058	9.372	79.567	1.004	14.846
2/16/2018 5:00	111600	130.832	20.384	298.18	12555.938	13767.57	8.062	9.364	79.642	1.004	14.854
2/16/2018 5:15	112500	130.833	20.386	298.209	12548.886	13761.635	8.044	9.358	79.688	1.004	14.838
2/16/2018 5:30	113400	130.821	20.394	298.181	12558.103	13769.453	8.049	9.363	79.63	1.004	14.839
2/16/2018 5:45	114300	130.823	20.385	298.185	12558.258	13769.573	8.049	9.363	79.629	1.004	14.844
2/16/2018 6:00	115200	130.82	20.394	298.178	12570.02	13782.546	8.058	9.372	79.554	1.004	14.837
2/16/2018 6:15	116100	130.818	20.39	298.175	12565.297	13778.649	8.055	9.369	79.584	1.004	14.845
2/16/2018 6:30	117000	130.809	20.393	298.154	12565.745	13778.084	8.055	9.369	79.581	1.004	14.847
2/16/2018 6:45	117900	130.814	20.395	298.165	12560.749	13775.953	8.051	9.365	79.613	1.004	14.852
2/16/2018 7:00	118800	130.799	20.393	298.122	12562.185	13775.036	8.053	9.367	79.604	1.004	14.853
2/16/2018 7:15	119700	130.796	20.393	298.125	12567.421	13780.098	8.056	9.37	79.571	1.004	14.

2/17/2018 2:15	188007	130.688	20.388	297.877	12684.759	13909.951	8.138	9.459	78.835	1.004	14.819
2/17/2018 2:30	188077	130.677	20.388	297.857	12687.107	13912.326	8.14	9.483	78.82	1.004	14.813
2/17/2018 2:45	189900	130.676	20.395	297.851	12686.604	13921.163	8.145	9.466	78.761	1.004	14.814
2/17/2018 3:00	190800	130.677	20.391	297.854	12666.758	13889.399	8.125	9.445	78.947	1.004	14.811
2/17/2018 3:15	191700	130.661	20.396	297.816	12689.753	13913.242	8.14	9.461	78.804	1.004	14.816
2/17/2018 3:30	192600	130.666	20.398	297.827	12683.17	13908.826	8.137	9.468	78.842	1.004	14.811
2/17/2018 3:45	193500	130.651	20.394	297.793	12692.533	13919.721	8.145	9.465	78.786	1.004	14.815
2/17/2018 4:00	194400	130.653	20.39	297.798	12701.132	13927.32	8.149	9.471	78.733	1.004	14.81
2/17/2018 4:15	195300	130.646	20.394	297.761	12714.124	13940.575	8.158	9.48	78.653	1.004	14.801
2/17/2018 4:30	196200	130.642	20.392	297.769	12696.654	13922.31	8.146	9.467	78.759	1.004	14.804
2/17/2018 4:45	197100	130.665	20.389	297.826	12704.832	13911.712	8.152	9.474	78.71	1.004	14.8
2/17/2018 5:00	198000	130.635	20.386	297.757	12704.902	13932.8	8.153	9.478	78.709	1.004	14.798
2/17/2018 5:15	198900	130.631	20.385	297.745	12705.06	13933.357	8.153	9.475	78.739	1.004	14.793
2/17/2018 5:30	199800	130.616	20.391	297.714	12710.119	13936.897	8.155	9.477	78.677	1.004	14.798
2/17/2018 5:45	200700	130.607	20.389	297.694	12702.418	13929.165	8.15	9.472	78.725	1.004	14.796
2/17/2018 6:00	201600	130.595	20.391	297.666	12724.063	13952.235	8.165	9.488	78.591	1.004	14.8
2/17/2018 6:15	202500	130.606	20.386	297.692	12719.172	13948.451	8.169	9.492	78.551	1.004	14.796
2/17/2018 6:30	203400	130.602	20.385	297.683	12724.11	13954.25	8.166	9.489	78.591	1.004	14.79
2/17/2018 6:45	204300	130.58	20.39	297.631	12711.095	13938.375	8.156	9.478	78.671	1.004	14.804
2/17/2018 7:00	205200	130.606	20.393	297.682	12725.229	13953.134	8.163	9.488	78.584	1.004	14.801
2/17/2018 7:15	206100	130.573	20.391	297.615	12716.557	13944.059	8.16	9.482	78.638	1.004	14.803
2/17/2018 7:30	207000	130.606	20.392	297.691	12705.17	13931.238	8.152	9.473	78.708	1.004	14.8
2/17/2018 7:45	207900	130.567	20.394	297.603	12708.755	13934.791	8.154	9.476	78.686	1.004	14.805
2/17/2018 8:00	208800	130.551	20.395	297.556	12730.638	13958.451	8.169	9.492	78.551	1.004	14.81
2/17/2018 8:15	209700	130.552	20.384	297.568	12711.727	13940.794	8.158	9.48	78.668	1.004	14.808
2/17/2018 8:30	210600	130.559	20.394	297.584	12730.104	13957.969	8.169	9.491	78.554	1.004	14.807
2/17/2018 8:45	211500	130.548	20.395	297.555	12717.028	13946.503	8.161	9.484	78.629	1.004	14.81
2/17/2018 9:00	212400	130.554	20.39	297.572	12738.108	13967.945	8.175	9.498	78.505	1.004	14.81
2/17/2018 9:15	213300	130.593	20.39	297.661	12725.645	13954.329	8.166	9.489	78.581	1.004	14.81
2/17/2018 9:30	214200	130.553	20.393	297.571	12736.144	13965.101	8.173	9.496	78.517	1.004	14.813
2/17/2018 9:45	215100	130.572	20.387	297.612	12721.02	13950.25	8.164	9.487	78.61	1.004	14.807
2/17/2018 10:00	216000	130.559	20.391	297.584	12730.558	13959.309	8.169	9.492	78.551	1.004	14.801
2/17/2018 10:15	216900	130.567	20.387	297.603	12741.318	13972.483	8.178	9.501	78.485	1.004	14.813
2/17/2018 10:30	217800	130.576	20.386	297.623	12750.104	13982.373	8.184	9.508	78.431	1.004	14.806
2/17/2018 10:45	218700	130.573	20.389	297.616	12745.096	13974.075	8.179	9.502	78.462	1.004	14.807
2/17/2018 11:00	219600	130.605	20.394	297.688	12743.729	13972.984	8.178	9.502	78.47	1.004	14.81
2/17/2018 11:15	220500	130.591	20.395	297.658	12755.032	13985.2	8.186	9.51	78.4	1.004	14.805
2/17/2018 11:30	221400	130.622	20.392	297.729	12739.354	13969.156	8.176	9.499	78.497	1.004	14.806
2/17/2018 11:45	222300	130.606	20.389	297.691	12749.528	13980.749	8.183	9.507	78.434	1.004	14.802
2/17/2018 12:00	223200	130.61	20.394	297.702	12747.593	13977.222	8.181	9.505	78.446	1.004	14.797
2/17/2018 12:15	224100	130.616	20.391	297.805	12762.897	13994.872	8.192	9.517	78.352	1.004	14.783
2/17/2018 12:30	225000	130.611	20.393	297.703	12762.487	13989.435	8.192	9.517	78.355	1.004	14.793
2/17/2018 12:45	225900	130.622	20.39	297.729	12760.512	13992.484	8.19	9.515	78.367	1.004	14.78
2/17/2018 13:00	226800	130.609	20.389	297.812	12762.92	13995.279	8.192	9.517	78.352	1.004	14.78
2/17/2018 13:15	227700	130.647	20.397	297.774	12766.613	14000.077	8.195	9.52	78.329	1.004	14.779
2/17/2018 13:30	228600	130.624	20.387	297.737	12767.149	14000.852	8.196	9.521	78.325	1.004	14.78
2/17/2018 13:45	229500	130.633	20.385	297.753	12772.706	14007.362	8.2	9.525	78.292	1.004	14.766
2/17/2018 14:00	230400	130.633	20.391	297.753	12768.471	14000.905	8.196	9.521	78.318	1.004	14.775
2/17/2018 14:15	231300	130.622	20.392	297.746	12758.49	14007.542	8.19	9.518	78.379	1.004	14.773
2/17/2018 14:30	232200	130.626	20.385	297.736	12767.539	14001.75	8.196	9.521	78.324	1.004	14.767
2/17/2018 14:45	233100	130.621	20.394	297.727	12772.331	14004.397	8.193	9.523	78.294	1.004	14.769
2/17/2018 15:00	234000	130.619	20.392	297.72	12767.653	14007.613	8.195	9.52	78.323	1.004	14.77
2/17/2018 15:15	234900	130.616	20.387	297.713	12763.879	13997.155	8.193	9.518	78.345	1.004	14.768
2/17/2018 15:30	235800	130.605	20.391	297.689	12764.385	13996.655	8.193	9.518	78.343	1.004	14.767
2/17/2018 15:45	236700	130.591	20.387	297.658	12777.615	14012.235	8.203	9.528	78.262	1.004	14.767
2/17/2018 16:00	237600	130.588	20.391	297.651	12777.863	14011.771	8.203	9.528	78.26	1.004	14.764
2/17/2018 16:15	238500	130.578	20.391	297.627	12776.055	14009.351	8.201	9.526	78.271	1.004	14.769
2/17/2018 16:30	239400	130.595	20.394	297.667	12785.608	14018.98	8.207	9.533	78.213	1.004	14.77
2/17/2018 16:45	240300	130.55	20.396	297.563	12780.546	14012.664	8.203	9.529	78.244	1.004	14.76
2/17/2018 17:00	241200	130.564	20.389	297.549	12783.04	14017.547	8.206	9.536	78.229	1.004	14.771
2/17/2018 17:15	242100	130.536	20.393	297.532	12779.479	14012.362	8.203	9.528	78.25	1.004	14.76
2/17/2018 17:30	243000	130.553	20.391	297.571	12789.974	14024.483	8.211	9.537	78.186	1.004	14.763
2/17/2018 17:45	243900	130.515	20.395	297.525	12775.52	14009.452	8.201	9.526	78.275	1.004	14.764
2/17/2018 18:00	244800	130.534	20.382	297.528	12790.1	14027.334	8.212	9.539	78.185	1.004	14.759
2/17/2018 18:15	245700	130.516	20.389	297.486	12783.351	14017.99	8.206	9.532	78.227	1.004	14.764
2/17/2018 18:30	246600	130.484	20.393	297.413	12776.354	14009.037	8.201	9.526	78.27	1.004	14.765
2/17/2018 18:45	247500	130.466	20.392	297.372	12783.307	14016.97	8.202	9.512	78.227	1.004	14.759
2/17/2018 19:00	248400	130.465	20.395	297.37	12774.802	14006.877	8.199	9.525	78.279	1.004	14.76
2/17/2018 19:15	249300	130.461	20.389	297.361	12789.929	14025.101	8.211	9.537	78.187	1.004	14.757
2/17/2018 19:30	250200	130.45	20.386	297.336	12783.188	14016.086	8.206	9.531	78.229	1.004	14.759
2/17/2018 19:45	251100	130.435	20.383	297.302	12786.636	14023.179	8.21	9.536	78.207	1.004	14.76
2/17/2018 20:00	252000	130.441	20.389	297.315	12800.223	14036.517	8.218	9.545	78.124	1.004	14.755
2/17/2018 20:15	252900	130.43	20.387	297.29	12792.988	14029.004	8.213	9.54	78.168	1.004	14.754
2/17/2018 20:30	253800	130.425	20.389	297.279	12799.033	14035.589	8.217	9.544	78.131	1.004	14.753
2/17/2018 20:45	254700	130.456	20.392	297.35	12801.29	14036.664	8.218	9.545	78.117	1.004	14.748
2/17/2018 21:00	255600	130.448	20.39	297.332	12804.743	14041.064	8.221	9.548	78.096	1.004	14.752
2/17/2018 21:15	256500	130.435	20.386	297.324	12805.224	14042.999	8.222	9.549	78.093	1.004	14.751
2/17/2018 21:30	257400	130.416	20.387	297.257	12802.603	14039.716	8.22	9.547	78.059	1.004	14.75
2/17/2018 21:45	258300	130.421	20.389	297.27	12797.189	14033.19	8.216	9.543	78.142	1.004	14.751
2/17/2018 22:00	259200	130.456	20.391	297.349	12807.666	14044.115	8.223	9.55	78.078	1.004	14.748
2/17/2018 22:15	260100	130.462	20.387	297.364	12810.64	14048.103	8.225	9.553	78.061	1.004	14.746
2/17/2018 22:30	261000	130.421	20.387	297.27	12822.183	14060.777	8.234	9.561	77.99	1.004	14.747
2/17/2018 22:45	261900	130.428	20.39	297.287	12805.273	14041.799					

2/18/2018 17:45	330300	130.472	20.386	297.386	12937.521	14187.878	8.314	9.648	77.295	1.004	14.725
2/18/2018 18:00	332100	130.472	20.386	297.386	12935.103	14184.605	8.312	9.646	77.309	1.004	14.726
2/18/2018 18:15	332100	130.442	20.382	297.317	12951.02	14203.977	8.324	9.609	77.214	1.004	14.724
2/18/2018 18:30	333000	130.444	20.388	297.321	12936.316	14185.96	8.313	9.646	77.302	1.004	14.726
2/18/2018 18:45	333900	130.43	20.388	297.29	12942.297	14192.648	8.317	9.651	77.266	1.004	14.725
2/18/2018 19:00	334800	130.435	20.391	297.302	12952.976	14203.976	8.324	9.658	77.202	1.004	14.725
2/18/2018 19:15	335700	130.434	20.39	297.299	12952.264	14202.724	8.323	9.658	77.207	1.004	14.726
2/18/2018 19:30	336600	130.437	20.388	297.306	12946.107	14196.543	8.32	9.654	77.243	1.004	14.721
2/18/2018 19:45	337500	130.429	20.382	297.287	12947.978	14200.409	8.322	9.656	77.232	1.004	14.727
2/18/2018 20:00	338400	130.418	20.389	297.263	12951.84	14203.802	8.324	9.658	77.209	1.004	14.724
2/18/2018 20:15	339300	130.433	20.394	297.298	12951.752	14200.97	8.322	9.657	77.21	1.004	14.731
2/18/2018 20:30	340200	130.443	20.388	297.32	12936.905	14186.452	8.313	9.647	77.298	1.004	14.722
2/18/2018 20:45	341100	130.454	20.393	297.347	12940.767	14190.938	8.315	9.65	77.275	1.004	14.73
2/18/2018 21:00	342000	130.433	20.388	297.298	12925.723	14174.319	8.305	9.639	77.365	1.004	14.731
2/18/2018 21:15	342900	130.441	20.391	297.315	12948.599	14198.626	8.321	9.655	77.228	1.004	14.729
2/18/2018 21:30	343800	130.451	20.392	297.337	12932.963	14181.397	8.31	9.643	77.322	1.004	14.73
2/18/2018 21:45	344700	130.453	20.396	297.342	12947.877	14196.204	8.319	9.653	77.233	1.004	14.733
2/18/2018 22:00	345600	130.454	20.393	297.345	12953.728	14203.578	8.324	9.658	77.198	1.004	14.734
2/18/2018 22:15	346500	130.463	20.392	297.365	12950.161	14199.798	8.322	9.656	77.219	1.004	14.736
2/18/2018 22:30	347400	130.473	20.387	297.388	12953.888	14194.046	8.318	9.652	77.257	1.004	14.735
2/18/2018 22:45	348300	130.483	20.392	297.411	12944.969	14194.129	8.318	9.652	77.25	1.004	14.732
2/18/2018 23:00	349200	130.496	20.393	297.44	12964.046	14214.736	8.331	9.666	77.136	1.004	14.73
2/18/2018 23:15	350100	130.517	20.388	297.488	12952.68	14203.805	8.324	9.659	77.204	1.004	14.727
2/18/2018 23:30	351000	130.51	20.391	297.473	12964.381	14215.725	8.332	9.667	77.134	1.004	14.734
2/18/2018 23:45	351900	130.537	20.389	297.534	12958.995	14210.494	8.328	9.663	77.166	1.004	14.729
2/19/2018 0:00	352800	130.537	20.39	297.535	12973.197	14226.792	8.339	9.674	77.077	1.004	14.738
2/19/2018 0:15	353700	130.579	20.382	297.63	12972.137	14224.739	8.337	9.673	77.088	1.004	14.733
2/19/2018 0:30	354600	130.571	20.387	297.612	12962.858	14215.25	8.331	9.666	77.143	1.004	14.728
2/19/2018 0:45	355500	130.58	20.392	297.633	12961.87	14212.686	8.33	9.665	77.149	1.004	14.736
2/19/2018 1:00	356400	130.583	20.389	297.64	12952.384	14203.194	8.324	9.658	77.205	1.004	14.735
2/19/2018 1:15	357300	130.606	20.387	297.692	12980.402	14234.645	8.347	9.668	77.039	1.004	14.734
2/19/2018 1:30	358200	130.616	20.388	297.715	12978.51	14232.205	8.342	9.673	77.06	1.004	14.733
2/19/2018 1:45	359100	130.618	20.393	297.718	12979.963	14228.924	8.34	9.676	77.06	1.004	14.739
2/19/2018 2:00	360000	130.661	20.39	297.817	12945.494	14195.405	8.319	9.653	77.247	1.004	14.732
2/19/2018 2:15	360900	130.674	20.394	297.856	12975.495	14227.135	8.349	9.674	77.068	1.004	14.738
2/19/2018 2:30	361800	130.675	20.397	297.848	12969.44	14219.667	8.334	9.669	77.104	1.004	14.733
2/19/2018 2:45	362700	130.661	20.391	297.817	12957.556	14208.266	8.327	9.671	77.175	1.004	14.737
2/19/2018 3:00	363600	130.675	20.395	297.85	12968.847	14220.621	8.335	9.67	77.108	1.004	14.736
2/19/2018 3:15	364500	130.708	20.387	297.925	12970.896	14224.22	8.337	9.672	77.096	1.004	14.722
2/19/2018 3:30	365400	130.679	20.393	297.857	12959.338	14209.599	8.328	9.663	77.164	1.004	14.725
2/19/2018 3:45	366300	130.687	20.397	297.875	12966.485	14219.31	8.334	9.669	77.122	1.004	14.726
2/19/2018 4:00	367200	130.694	20.392	297.892	12968.847	14220.482	8.335	9.67	77.108	1.004	14.734
2/19/2018 4:15	368100	130.687	20.395	297.875	12968.343	14219.004	8.334	9.669	77.111	1.004	14.724
2/19/2018 4:30	369000	130.73	20.394	297.975	12975.78	14227.447	8.339	9.675	77.067	1.004	14.727
2/19/2018 4:45	369900	130.739	20.382	297.925	12975.756	14230.35	8.337	9.677	77.067	1.004	14.723
2/19/2018 5:00	370800	130.742	20.389	298.002	12967.896	14220.334	8.335	9.67	77.114	1.004	14.729
2/19/2018 5:15	371700	130.708	20.387	297.923	12981.168	14235.484	8.344	9.678	77.035	1.004	14.722
2/19/2018 5:30	372600	130.707	20.385	297.921	12978.73	14233.486	8.343	9.679	77.049	1.004	14.723
2/19/2018 5:45	373500	130.715	20.392	297.942	12966.229	14222.82	8.332	9.668	77.123	1.004	14.725
2/19/2018 6:00	374400	130.733	20.391	297.982	12973.23	14225.533	8.338	9.673	77.082	1.004	14.725
2/19/2018 6:15	375300	130.732	20.395	297.979	12971.176	14222.01	8.336	9.671	77.094	1.004	14.73
2/19/2018 6:30	376200	130.731	20.391	297.925	12971.256	14222.389	8.337	9.671	77.094	1.004	14.726
2/19/2018 6:45	377100	130.732	20.393	297.952	12975.94	14227.803	8.339	9.675	77.066	1.004	14.724
2/19/2018 7:00	378000	130.717	20.393	297.944	12983.643	14236.38	8.345	9.681	77.02	1.004	14.722
2/19/2018 7:15	378900	130.724	20.397	297.959	12988.299	14220.464	8.335	9.67	77.111	1.004	14.723
2/19/2018 7:30	379800	130.738	20.39	297.969	12986.719	14220.82	8.335	9.67	77.109	1.004	14.736
2/19/2018 7:45	380700	130.735	20.395	297.987	12985.808	14216.331	8.332	9.667	77.126	1.004	14.722
2/19/2018 8:00	381600	130.737	20.388	297.993	12976.93	14230.55	8.341	9.677	77.06	1.004	14.731
2/19/2018 8:15	382500	130.729	20.386	297.973	12968.821	14222.203	8.336	9.671	77.108	1.004	14.737
2/19/2018 8:30	383400	130.714	20.392	297.964	12976.944	14223.981	8.34	9.673	77.06	1.004	14.732
2/19/2018 8:45	384300	130.739	20.39	297.995	12972.631	14225.11	8.338	9.673	77.085	1.004	14.742
2/19/2018 9:00	385200	130.736	20.39	297.988	12969.3	14221.378	8.335	9.671	77.105	1.004	14.74
2/19/2018 9:15	386100	130.743	20.394	297.995	12976.935	14228.209	8.34	9.673	77.062	1.004	14.743
2/19/2018 9:30	387000	130.747	20.393	298.013	12967.913	14219.157	8.334	9.669	77.113	1.004	14.747
2/19/2018 9:45	387900	130.75	20.396	298.02	12959.703	14209.302	8.328	9.662	77.162	1.004	14.754
2/19/2018 10:00	388800	130.784	20.388	298.098	12960.789	14212.723	8.33	9.665	77.156	1.004	14.752
2/19/2018 10:15	389700	130.781	20.384	298.054	12967.591	14208.19	8.328	9.662	77.175	1.004	14.753
2/19/2018 10:30	390600	130.775	20.387	298.077	12954.113	14205.66	8.325	9.66	77.196	1.004	14.754
2/19/2018 10:45	391500	130.78	20.392	298.089	12954.313	14204.634	8.325	9.659	77.194	1.004	14.749
2/19/2018 11:00	392400	130.797	20.391	298.114	12972.41	14225.932	8.332	9.667	77.187	1.004	14.748
2/19/2018 11:15	393300	130.807	20.396	298.149	12972.044	14222.751	8.336	9.671	77.089	1.004	14.748
2/19/2018 11:30	394200	130.813	20.39	298.162	12961.432	14213.036	8.33	9.665	77.152	1.004	14.753
2/19/2018 11:45	395100	130.821	20.391	298.182	12963.673	14214.974	8.331	9.666	77.139	1.004	14.755
2/19/2018 12:00	396000	130.822	20.391	298.183	12963.789	14215.283	8.331	9.666	77.138	1.004	14.752
2/19/2018 12:15	396900	130.838	20.392	298.222	12964.371	14215.403	8.332	9.666	77.134	1.004	14.739
2/19/2018 12:30	397800	130.854	20.392	298.256	12973.391	14225.294	8.338	9.673	77.081	1.004	14.745
2/19/2018 12:45	398700	130.865	20.385	298.283	12957.1	14222.389	8.335	9.663	77.097	1.004	14.738
2/19/2018 13:00	399600	130.868	20.391	298.289	12963.708	14212.898	8.33	9.665	77.15	1.004	14.747
2/19/2018 13:15	400500	130.878	20.402	298.311	12957.479	14204.996	8.325	9.659	77.176	1.004	14.746
2/19/2018 13:30	401400	130.911	20.394	298.386	12958.587	14208.646	8.327	9.662	77.169	1.004	14.745
2/19/2018 13:45	402300	130.905	20.397	298.372	12965.811	14215.881	8.33	9.66	77.167	1.004	14.746
2/19/2018 14:00	403200	130.904	20.393	298.37	12964.692	14215.576	8.332	9.667	77.133	1.004	14.738
2/19/2018 14:15	404100	130.912	20.394	298.408	12970.816	14222.135					

2/20/2018 9:15	472500	131.07	20.394	298.749	12921.989	14168.413	8.302	9.635	77.387	1.004	14.859
2/20/2018 9:30	474300	131.08	20.388	298.750	12918.557	14165.538	8.301	9.633	77.408	1.004	14.843
2/20/2018 9:45	474300	131.072	20.39	298.753	12928.696	14177.14	8.307	9.64	77.347	1.004	14.856
2/20/2018 10:00	475200	131.046	20.395	298.695	12926.155	14172.698	8.304	9.637	77.363	1.004	14.852
2/20/2018 10:15	476100	131.083	20.394	298.778	12928.23	14175.257	8.306	9.639	77.35	1.004	14.85
2/20/2018 10:30	477000	131.058	20.392	298.722	12915.77	14159.296	8.302	9.638	77.405	1.004	14.851
2/20/2018 10:45	477900	131.056	20.399	298.717	12918.938	14163.648	8.299	9.631	77.406	1.004	14.852
2/20/2018 11:00	478800	131.05	20.396	298.704	12917.367	14162.777	8.298	9.631	77.415	1.004	14.856
2/20/2018 11:15	479700	131.066	20.394	298.74	12913.765	14159.449	8.296	9.628	77.417	1.004	14.847
2/20/2018 11:30	480600	131.075	20.39	298.761	12917.727	14169.338	8.302	9.635	77.389	1.004	14.847
2/20/2018 11:45	481500	131.105	20.4	298.822	12929.883	14175.333	8.306	9.639	77.341	1.004	14.848
2/20/2018 12:00	482400	131.074	20.398	298.757	12917.059	14163.371	8.299	9.631	77.417	1.004	14.847
2/20/2018 12:15	483300	131.094	20.394	298.752	12912.252	14158.461	8.295	9.628	77.446	1.004	14.848
2/20/2018 12:30	484200	131.114	20.398	298.848	12913.268	14157.768	8.295	9.627	77.44	1.004	14.84
2/20/2018 12:45	485100	131.118	20.392	298.857	12909.372	14155.277	8.293	9.626	77.463	1.004	14.841
2/20/2018 13:00	486000	131.133	20.392	298.893	12929.788	14177.664	8.308	9.641	77.341	1.004	14.841
2/20/2018 13:15	486900	131.088	20.392	298.812	12914.241	14161.376	8.297	9.629	77.434	1.004	14.839
2/20/2018 13:30	487800	131.139	20.394	298.907	12918.408	14164.514	8.299	9.632	77.409	1.004	14.832
2/20/2018 13:45	488700	131.102	20.397	298.821	12919.276	14164.586	8.299	9.632	77.404	1.004	14.832
2/20/2018 14:00	489600	131.116	20.395	298.854	12912.653	14158.371	8.295	9.628	77.445	1.004	14.832
2/20/2018 14:15	490500	131.12	20.396	298.863	12921.003	14166.886	8.301	9.633	77.393	1.004	14.827
2/20/2018 14:30	491400	131.146	20.396	298.921	12920.018	14165.633	8.3	9.633	77.399	1.004	14.833
2/20/2018 14:45	492300	131.121	20.39	298.805	12916.228	14163.209	8.298	9.631	77.422	1.004	14.833
2/20/2018 15:00	493200	131.112	20.399	298.844	12919.387	14164.089	8.299	9.632	77.403	1.004	14.832
2/20/2018 15:15	494100	131.153	20.391	298.938	12920.788	14168.105	8.302	9.634	77.395	1.004	14.827
2/20/2018 15:30	495000	131.127	20.395	298.88	12921.908	14168.017	8.302	9.634	77.388	1.004	14.83
2/20/2018 15:45	495900	131.112	20.388	298.862	12918.854	14167	8.301	9.633	77.406	1.004	14.833
2/20/2018 16:00	496800	131.119	20.398	298.862	12913.679	14158.218	8.295	9.628	77.437	1.004	14.835
2/20/2018 16:15	497700	131.116	20.396	298.854	12925.3	14171.581	8.304	9.637	77.368	1.004	14.834
2/20/2018 16:30	498600	131.152	20.398	298.936	12922.688	14179.671	8.309	9.642	77.322	1.004	14.831
2/20/2018 16:45	499500	131.121	20.395	298.865	12922.643	14168.871	8.302	9.635	77.384	1.004	14.822
2/20/2018 17:00	500400	131.112	20.397	298.846	12927.632	14173.646	8.305	9.634	77.354	1.004	14.834
2/20/2018 17:15	501300	131.11	20.394	298.817	12925.786	14172.604	8.304	9.637	77.365	1.004	14.827
2/20/2018 17:30	502200	131.093	20.398	298.824	12920.853	14166.083	8.3	9.633	77.394	1.004	14.832
2/20/2018 17:45	503100	131.082	20.396	298.806	12918.98	14163.929	8.298	9.631	77.405	1.004	14.829
2/20/2018 18:00	504000	131.086	20.391	298.786	12915.018	14161.646	8.297	9.63	77.429	1.004	14.836
2/20/2018 18:15	504900	131.091	20.397	298.796	12918.677	14163.878	8.299	9.631	77.407	1.004	14.828
2/20/2018 18:30	505800	131.087	20.398	298.788	12920.324	14165.046	8.3	9.639	77.348	1.004	14.83
2/20/2018 18:45	506700	131.119	20.393	298.861	12925.328	14172.413	8.304	9.637	77.367	1.004	14.829
2/20/2018 19:00	507600	131.101	20.405	298.819	12919.57	14162.66	8.298	9.631	77.402	1.004	14.832
2/20/2018 19:15	508500	131.071	20.388	298.751	12919.01	14166.981	8.301	9.634	77.405	1.004	14.826
2/20/2018 19:30	509400	131.092	20.392	298.799	12921.063	14168.088	8.302	9.632	77.393	1.004	14.835
2/20/2018 19:45	510300	131.05	20.396	298.704	12928.819	14175.283	8.306	9.639	77.347	1.004	14.833
2/20/2018 20:00	511200	131.068	20.396	298.745	12931.304	14178.109	8.308	9.641	77.332	1.004	14.834
2/20/2018 20:15	512100	131.042	20.39	298.684	12913.094	14169.877	8.299	9.639	77.441	1.004	14.837
2/20/2018 20:30	513000	131.03	20.389	298.659	12914.596	14161.782	8.298	9.633	77.432	1.004	14.834
2/20/2018 20:45	513900	131.043	20.391	298.688	12920.719	14167.849	8.301	9.634	77.395	1.004	14.843
2/20/2018 21:00	514800	131.034	20.391	298.668	12988.845	14143.968	8.286	9.618	77.526	1.004	14.838
2/20/2018 21:15	515700	131.026	20.392	298.623	12910.843	14157.951	8.295	9.627	77.454	1.004	14.839
2/20/2018 21:30	516600	131	20.396	298.59	12924.919	14171.164	8.304	9.636	77.37	1.004	14.833
2/20/2018 21:45	517500	130.978	20.394	298.54	12915.688	14162.887	8.298	9.631	77.425	1.004	14.84
2/20/2018 22:00	518400	131.042	20.39	298.647	12916.989	14164.044	8.299	9.632	77.417	1.004	14.838
2/20/2018 22:15	519300	130.996	20.389	298.58	12914.102	14161.292	8.297	9.63	77.435	1.004	14.835
2/20/2018 22:30	520200	130.978	20.393	298.54	12912.976	14158.841	8.296	9.628	77.441	1.004	14.836
2/20/2018 22:45	521100	130.979	20.39	298.541	12910.275	14156.913	8.294	9.627	77.458	1.004	14.84
2/20/2018 23:00	522000	131.021	20.395	298.615	12910.802	14178.465	8.308	9.641	77.335	1.004	14.837
2/20/2018 23:15	522900	131	20.394	298.519	12918.238	14164.249	8.299	9.632	77.41	1.004	14.842
2/20/2018 23:30	523800	130.973	20.395	298.528	12918.551	14164.41	8.299	9.632	77.408	1.004	14.838
2/20/2018 23:45	524700	131.02	20.395	298.605	12913.78	14181.134	8.31	9.643	77.317	1.004	14.833
2/21/2018 0:00	525600	131.082	20.396	298.689	12915.681	14165.98	8.302	9.635	77.425	1.004	14.829
2/21/2018 0:15	526500	130.987	20.401	298.561	12929.505	14174.613	8.306	9.639	77.342	1.004	14.83
2/21/2018 0:30	527400	130.979	20.392	298.541	12924.212	14171.394	8.304	9.637	77.374	1.004	14.834
2/21/2018 0:45	528300	130.985	20.395	298.565	12922.563	14172.148	8.304	9.637	77.382	1.004	14.834
2/21/2018 1:00	529200	131.031	20.39	298.66	12917.313	14164.425	8.299	9.632	77.415	1.004	14.832
2/21/2018 1:15	530100	131.039	20.393	298.679	12928.942	14176.479	8.307	9.64	77.346	1.004	14.823
2/21/2018 1:30	531000	131.055	20.399	298.714	12924.524	14169.875	8.303	9.636	77.372	1.004	14.821
2/21/2018 1:45	531900	131.053	20.391	298.695	12919.146	14169.149	8.3	9.635	77.393	1.004	14.818
2/21/2018 2:00	532800	131.016	20.393	298.625	12936.36	14184.38	8.312	9.645	77.301	1.004	14.826
2/21/2018 2:15	533700	131.033	20.391	298.665	12936.805	14185.618	8.313	9.646	77.299	1.004	14.818
2/21/2018 2:30	534600	131.046	20.396	298.686	12920.517	14174.977	8.306	9.638	77.348	1.004	14.836
2/21/2018 2:45	535500	131.043	20.39	298.688	12927.928	14176.195	8.307	9.64	77.352	1.004	14.821
2/21/2018 3:00	536400	131.088	20.394	298.789	12916.143	14184.011	8.312	9.645	77.303	1.004	14.815
2/21/2018 3:15	537300	131.061	20.386	298.729	12910.314	14179.78	8.309	9.642	77.339	1.004	14.807
2/21/2018 3:30	538200	131.087	20.395	298.767	12912.668	14179.669	8.307	9.642	77.327	1.004	14.82
2/21/2018 3:45	539100	131.067	20.395	298.743	12916.832	14184.43	8.312	9.645	77.299	1.004	14.811
2/21/2018 4:00	540000	131.078	20.392	298.763	129135.477	14183.852	8.312	9.645	77.307	1.004	14.805
2/21/2018 4:15	540900	131.075	20.398	298.761	12911.744	14180.946	8.31	9.643	77.329	1.004	14.808
2/21/2018 4:30	541800	131.105	20.394	298.829	12941.324	14182.74	8.317	9.651	77.272	1.004	14.811
2/21/2018 4:45	542700	131.078	20.392	298.768	12949.136	14188.802	8.321	9.655	77.225	1.004	14.812
2/21/2018 5:00	543600	131.064	20.39	298.736	12949.444	14199.686	8.322	9.656	77.223	1.004	14.82
2/21/2018 5:15	544500	131.057	20.391	298.717	12951.487	14179.604	8.309	9.652	77.23	1.004	14.823
2/21/2018 5:30	545400	131.066	20.391	298.739	12945.326	14195.013	8.319	9.653	77.248	1.004	14.82
2/21/2018 5:45	546300	131.067	20.394	298.742	12950.289						

Report Date: 2/23/2018 14:44
Report User Name: AVanHaltsma
Report Computer Name: WKS734
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties
File Name: MPWSP-MW-8M_2018-02-22_12-38-22-.304.wsl
Create Date: 2/22/2018 12:37

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: Skulper
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: Skulper
10/27/2016 17:45 Log Download - Used Battery: 11% Used Memory: 3% User Name: Skulper Interval - Start Time: 10/27/2016 5:00:00 PM Stop Time: 10/27/2016 6:30:00 PM
11/1/2016 15:41 Log Download - Used Battery: 12% Used Memory: 3% User Name: Skulper Interval - Start Time: 9/30/2016 5:00:00 PM Stop Time: 11/1/2016 4:30:00 PM
11/1/2016 8:26 Log Download - Used Battery: 12% Used Memory: 4% User Name: Skulper 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: Skulper 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: Skulper 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: Skulper 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: 15% Used Memory: 10% User Name: Skulper 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: Skulper 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: Skulper 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: 7% User Name: Skulper 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: Skulper 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: Skulper 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 14:10 Log Download - Used Battery: 19% Used Memory: 18% User Name: AVanHaltsma 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: AVanHaltsma 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: 23% User Name: AVanHaltsma 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: AVanHaltsma Interval - Start Time: 5/3/2017 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: AVanHaltsma Interval - Start Time: 5/3/2017 10:00:00 PM Stop Time: 5/11/2017 12:00:00 PM
5/18/2017 17:40 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: AVanHaltsma 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 11:54 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: AVanHaltsma 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: AVanHaltsma Interval - Start Time: 6/14/2017 10:00:00 PM Stop Time: 6/22/2017 9:00:00 AM
6/28/2017 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: 6/28/2017 4:00:00 PM
7/6/2017 7:45 Log Download - Used Battery: 24% Used Memory: 31% User Name: AVanHaltsma 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 11:29 Log Download - Used Battery: 26% Used Memory: 34% User Name: AVanHaltsma 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: AVanHaltsma 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: AVanHaltsma 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: AVanHaltsma 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: AVanHaltsma 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: AVanHaltsma 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: AVanHaltsma 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: AVanHaltsma Interval - Start Time: 10/4/2017 10:00:00 PM Stop Time: 10/12/2017 3:00:00 PM
10/19/2017 14:12 Log Download - Used Battery: 30% Used Memory: 43% User Name: AVanHaltsma Interval - Start Time: 10/11/2017 10:00:00 PM Stop Time: 10/19/2017 3:00:00 PM
10/26/2017 12:12 Log Download - Used Battery: 30% Used Memory: 45% User Name: WMassoll Interval - Start Time: 10/18/2017 10:00:00 PM Stop Time: 10/26/2017 1:00:00 PM
11/2/2017 13:47 Log Download - Used Battery: 31% Used Memory: 45% User Name: WMassoll Interval - Start Time: 9/30/2017 10:00:00 PM Stop Time: 11/2/2017 1:45:00 PM
11/9/2017 13:46 Log Download - Used Battery: 31% Used Memory: 46% User Name: AVanHaltsma Interval - Start Time: 11/1/2017 10:00:00 PM Stop Time: 11/9/2017 2:45:00 PM
11/16/2017 11:10 Log Download - Used Battery: 31% Used Memory: 46% User Name: WMassoll Interval - Start Time: 11/9/2017 10:15:00 AM Stop Time: 11/16/2017 11:00:00 AM
11/23/2017 14:00 Log Download - Used Battery: 32% Used Memory: 48% User Name: AVanHaltsma Interval - Start Time: 11/15/2017 10:00:00 PM Stop Time: 11/23/2017 3:00:00 PM
12/1/2017 9:23 Log Download - Used Battery: 32% Used Memory: 48% User Name: AVanHaltsma Interval - Start Time: 10/31/2017 10:00:00 PM Stop Time: 12/1/2017 10:15:00 AM
12/7/2017 14:26 Log Download - Used Battery: 32% Used Memory: 50% User Name: WMassoll Interval - Start Time: 11/29/2017 10:00:00 PM Stop Time: 12/7/2017 3:15:00 PM

Log Data:
Record Count 731

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

Time Zone: Pacific Standard Time

Date and Time	Elapsed Time Seconds	Sensor: PCTD(G) 231ft SNR: 410756 Pressure (PSI)	Sensor: PCTD(G) 231ft SNR: 410756 Temperature (C)	Sensor: PCTD(G) 231ft SNR: 410756 Depth (ft)	Sensor: PCTD(G) 231ft Actual Conductivity (uS)	Sensor: PCTD(G) 231ft Specific Conductivity (uS)	Sensor: PCTD(G) 231ft Salinity (PSU)	Sensor: PCTD(G) 231ft SNR: 410756 Total Dissolved Solids (ppt)	Sensor: PCTD(G) 231ft SNR: 410756 Resistivity (ohm-cm)	Sensor: PCTD(G) 231ft SNR: 410756 Water Density (g/cm3)	
2/15/2018 0:00	7200	71.504	17.286	161.07	41049.707	48143.445	31.568	32.738	24.361	1.023	
2/15/2018 0:15	8100	71.498	17.282	161.056	41021.309	48114.465	31.547	32.718	24.378	1.023	
2/15/2018 0:30	9000	71.499	17.297	161.059	41042.125	48122.031	31.553	32.723	24.365	1.023	
2/15/2018 0:45	9900	71.492	17.288	161.042	41052.594	48144.672	31.569	32.718	24.359	1.023	
2/15/2018 1:00	10800	71.491	17.287	161.041	41038.348	48128.34	31.557	32.727	24.367	1.023	
2/15/2018 1:15	11700	71.509	17.285	161.082	41060.422	48157.133	31.578	32.747	24.354	1.023	
2/15/2018 1:30	12600	71.494	17.29	161.047	41094.414	48191.535	31.604	32.77	24.334	1.023	
2/15/2018 1:45	13500	71.499	17.284	161.059	41088.773	48131.84	31.56	32.73	24.367	1.023	
2/15/2018 2:00	14400	71.509	17.289	161.082	41044	48133.266	31.561	32.731	24.364	1.023	
2/15/2018 2:15	15300	71.491	17.293	161.04	41056.504	48143.504	31.569	32.738	24.357	1.023	
2/15/2018 2:30	16200	71.498	17.293	161.056	41064.488	48152.766	31.576	32.744	24.352	1.023	
2/15/2018 2:45	17100	71.494	17.295	161.046	41084.984	48174.91	31.592	32.759	24.34	1.023	
2/15/2018 3:00	18000	71.499	17.292	161.057	41030.535	48114.277	31.547	32.718	24.372	1.023	

2/15/2018 3:15	18900	71.501	17.288	161.062	41023.98	48110.82	31.545	32.715	24.376	1.023
2/15/2018 3:30	19800		17.294	161.014	41043.496	48127.395	31.557	32.727	24.364	1.023
2/15/2018 3:45	20700		17.3	161.024	41068.227	48149.047	31.573	32.741	24.35	1.023
2/15/2018 4:00	21600		17.285	161.056	41035.141	48126.445	31.556	32.726	24.369	1.023
2/15/2018 4:15	22500		17.292	161.023	41034.867	48129.816	31.559	32.728	24.364	1.023
2/15/2018 4:30	23400		17.483	161.029	41061.914	48153.707	31.576	32.745	24.353	1.023
2/15/2018 4:45	24300		17.493	161.046	41041.293	48131.391	31.561	32.736	24.366	1.023
2/15/2018 5:00	25200		17.474	161.002	41038.457	48117.136	31.555	32.72	24.367	1.023
2/15/2018 5:15	26100		17.493	161.046	41079.156	48166.855	31.586	32.753	24.343	1.023
2/15/2018 5:30	27000		17.285	161.046	41090.879	48192.113	31.604	32.771	24.336	1.023
2/15/2018 5:45	27900		17.483	161.021	41058.266	48147.074	31.571	32.774	24.356	1.023
2/15/2018 6:00	28800		17.478	161.011	41091.405	48185.504	31.6	32.766	24.336	1.023
2/15/2018 6:15	29700		17.495	161.05	41062.566	48158.719	31.579	32.748	24.353	1.023
2/15/2018 6:30	30600		17.502	161.065	41043.105	48127.602	31.557	32.727	24.365	1.023
2/15/2018 6:45	31500		17.486	161.029	41061.199	48145.34	31.57	32.739	24.354	1.023
2/15/2018 7:00	32400		17.491	161.04	41084.633	48178.836	31.594	32.762	24.34	1.023
2/15/2018 7:15	33300		17.49	173.02	41074.441	48154.559	31.577	32.745	24.346	1.023
2/15/2018 7:30	34200		17.509	161.081	41069.117	48165.832	31.585	32.753	24.349	1.023
2/15/2018 7:45	35100		17.521	161.109	41066.465	48151.137	31.575	32.743	24.351	1.023
2/15/2018 8:00	36000		17.504	161.069	41039.387	48130.207	31.559	32.729	24.367	1.023
2/15/2018 8:15	36900		17.532	161.133	41047.984	48149.148	31.572	32.741	24.362	1.023
2/15/2018 8:30	37800		17.516	161.096	41052.836	48135.617	31.563	32.732	24.359	1.023
2/15/2018 8:45	38700		17.541	161.154	41050.098	48133.434	31.562	32.731	24.36	1.023
2/15/2018 9:00	39600		17.529	161.126	41088.512	48181.953	31.598	32.765	24.338	1.023
2/15/2018 9:15	40500		17.552	161.178	41047.055	48146.718	31.57	32.74	24.34	1.023
2/15/2018 9:30	41400		17.544	161.159	41032.164	48119.387	31.551	32.721	24.371	1.023
2/15/2018 9:45	42300		17.558	161.192	41070.297	48164.484	31.584	32.752	24.348	1.023
2/15/2018 10:00	43200		17.559	161.193	41041.861	48111.066	31.559	32.729	24.365	1.023
2/15/2018 10:15	44100		17.565	161.207	41052.035	48148.152	31.572	32.741	24.359	1.023
2/15/2018 10:30	45000		17.581	161.243	41042.383	48132.02	31.56	32.73	24.365	1.023
2/15/2018 10:45	45900		17.59	161.263	41053.652	48151.508	31.575	32.743	24.352	1.023
2/15/2018 11:00	46800		17.577	161.234	41064.645	48155.695	31.578	32.746	24.352	1.023
2/15/2018 11:15	47700		17.597	161.28	41064	48166.238	31.581	32.753	24.35	1.023
2/15/2018 11:30	48600		17.582	161.246	41063.727	48162.992	31.582	32.751	24.352	1.023
2/15/2018 11:45	49500		17.603	161.293	41088.477	48194.008	31.605	32.772	24.338	1.023
2/15/2018 12:00	50400		17.588	161.258	41094.223	48196.965	31.607	32.774	24.334	1.023
2/15/2018 12:15	51300		17.575	161.23	41078.414	48174.465	31.591	32.759	24.344	1.023
2/15/2018 12:30	52200		17.588	161.259	41095.223	48194.664	31.606	32.772	24.334	1.023
2/15/2018 12:45	53100		17.577	161.233	41104.527	48210.469	31.617	32.783	24.328	1.023
2/15/2018 13:00	54000		17.565	161.207	41084.438	48191.238	31.603	32.77	24.34	1.023
2/15/2018 13:15	54900		17.562	161.199	41073.113	48178.055	31.593	32.761	24.347	1.023
2/15/2018 13:30	55800		17.580	161.195	41057.129	48157.701	31.578	32.747	24.359	1.023
2/15/2018 13:45	56700		17.586	161.168	41080.988	48179.277	31.595	32.762	24.342	1.023
2/15/2018 14:00	57600		17.545	161.161	41064.129	48162.988	31.582	32.751	24.352	1.023
2/15/2018 14:15	58500		17.532	161.134	41058.738	48156.207	31.577	32.746	24.355	1.023
2/15/2018 14:30	59400		17.526	161.119	41081.117	48207.051	31.555	32.781	24.329	1.023
2/15/2018 14:45	60300		17.512	161.089	41084.926	48177.301	31.593	32.761	24.34	1.023
2/15/2018 15:00	61200		17.517	161.1	41150.797	48260.297	31.654	32.817	24.301	1.023
2/15/2018 15:15	62100		17.496	161.051	41127.277	48229.691	31.632	32.796	24.315	1.023
2/15/2018 15:30	63000		17.505	161.093	41053.223	48147.191	31.571	32.774	24.359	1.023
2/15/2018 15:45	63900		17.481	161.017	41114.395	48216.281	31.622	32.787	24.32	1.023
2/15/2018 16:00	64800		17.46	160.97	41077.684	48168.34	31.587	32.754	24.344	1.023
2/15/2018 16:15	65700		17.472	160.997	41053.883	48154.559	31.576	32.745	24.358	1.023
2/15/2018 16:30	66600		17.438	160.92	41105.473	48204.98	31.613	32.779	24.328	1.023
2/15/2018 16:45	67500		17.423	160.888	41085.215	48182.15	31.597	32.764	24.34	1.023
2/15/2018 17:00	68400		17.421	160.882	41040.012	48124.258	31.555	32.724	24.366	1.023
2/15/2018 17:15	69300		17.416	160.872	41081.387	48167.309	31.586	32.754	24.342	1.023
2/15/2018 17:30	70200		17.399	160.833	41061.262	48155.973	31.576	32.745	24.354	1.023
2/15/2018 17:45	71100		17.405	160.846	41086.465	48177.539	31.594	32.761	24.351	1.023
2/15/2018 18:00	72000		17.387	160.806	41109.297	48205.41	31.614	32.78	24.325	1.023
2/15/2018 18:15	72900		17.365	160.758	41100.305	48202.98	31.612	32.778	24.331	1.023
2/15/2018 18:30	73800		17.381	160.793	41088.262	48186.395	31.6	32.767	24.338	1.023
2/15/2018 18:45	74700		17.379	160.787	41101.715	48201.789	31.611	32.777	24.33	1.023
2/15/2018 19:00	75600		17.361	160.748	41075.793	48173.184	31.59	32.758	24.343	1.023
2/15/2018 19:15	76500		17.347	160.716	41092.461	48194.34	31.605	32.772	24.335	1.023
2/15/2018 19:30	77400		17.362	160.751	41085.758	48182.508	31.597	32.764	24.339	1.023
2/15/2018 19:45	78300		17.346	160.714	41058.922	48148.414	31.572	32.741	24.355	1.023
2/15/2018 20:00	79200		17.351	160.73	41096.805	48195.086	31.603	32.769	24.329	1.023
2/15/2018 20:15	80100		17.392	160.761	41104.938	48201.43	31.611	32.777	24.328	1.023
2/15/2018 20:30	81000		17.35	160.723	41086.793	48178.266	31.594	32.761	24.339	1.023
2/15/2018 20:45	81900		17.362	160.735	41077.301	48174.672	31.591	32.759	24.344	1.023
2/15/2018 21:00	82800		17.371	160.77	41129.336	48228.969	31.631	32.796	24.314	1.023
2/15/2018 21:15	83700		17.362	160.75	41060.719	48140.91	31.587	32.736	24.354	1.023
2/15/2018 21:30	84600		17.388	160.809	41077.09	48169.719	31.588	32.755	24.344	1.023
2/15/2018 21:45	85500		17.388	160.809	41090.898	48184.965	31.599	32.766	24.336	1.023
2/15/2018 22:00	86400		17.372	160.773	41120.727	48215.98	31.622	32.787	24.319	1.023
2/15/2018 22:15	87300		17.406	160.848	41057.262	48148.531	31.572	32.755	24.352	1.023
2/15/2018 22:30	88200		17.386	160.803	41028.324	48120.805	31.552	32.722	24.373	1.023
2/15/2018 22:45	89100		17.402	160.839	41022.039	48110.996	31.545	32.715	24.377	1.023
2/15/2018 23:00	90000		17.412	160.863	41057.902	48151.645	31.574	32.743	24.356	1.023
2/15/2018 23:15	90900		17.419	160.876	41040.52	48127.105	31.567	32.736	24.362	1.023
2/15/2018 23:30	91800		17.418	160.876	41084.512	48186.625	31.6	32.767	24.34	1.023
2/15/2018 23:45	92700		17.426	160.894	41043.02	48139.652	31.565	32.735	24.365	1.023
2/16/2018 0:00	93600		17.424	160.926	41054.328	48141.891	31.568	32.736	24.368	1.023
2/16/2018 0:15	94500		17.444	160.936	41036.055	48118.105	31.55	32.73	24.373	1.023
2/16/2018 0:30	95400		17.452	160.953	41031.68	48118.629	31.55	32.721	24.371	1.023
2/16/2018 0:45	96300		17.445	160.936	41061.027	48153.129	31.576	32.744	24.354	1.023
2/16/2018 1:00	97200		17.442	160.93	41079.52	48173.977	31.591	32.758	24.343	1.023
2/16/2018 1:15	98100		17.465	160.981	41047.242	48193.234	31.565	32.735	24.362	1.023
2/16/2018 1:30	99000		17.441	160.927	41070.959	48167.186	31.586	32.754	24.349	1.023
2/16/2018 1:45	99900		17.468	160.988	41071.207	48158.566	31.58	32.748	24.348	1.023
2/16/2018 2:00	100800		17.447	160.941	41035.766	48115.602	31.549	32.719	24.369	1.023
2/16/2018 2:15	101700		17.467	160.987	41016.68	48095.672	31.534	32.705	24.38	1.023
2/16/2018 2:30	102600		17.458	160.967	41036.531	48121.836				

2/16/2018 16:00	151200	71.436	17.286	160.917	41076.348	48174.023	31.591	32.758	24.345	1.023
2/16/2018 16:15	152100	71.425	17.285	160.892	41036.802	48128.895	31.558	32.728	24.368	1.023
2/16/2018 16:30	153000	71.415	17.286	160.879	41073.569	48170.448	31.588	32.756	24.347	1.023
2/16/2018 16:45	153900	71.408	17.292	160.854	41056.031	48143.887	31.569	32.738	24.357	1.023
2/16/2018 17:00	154800	71.411	17.282	160.859	41038.113	48133.332	31.561	32.731	24.368	1.023
2/16/2018 17:15	155700	71.387	17.295	160.806	41064.102	48150.531	31.574	32.742	24.352	1.023
2/16/2018 17:30	156600	71.385	17.293	160.801	41114.559	48221.988	31.619	32.784	24.327	1.023
2/16/2018 17:45	157500	71.373	17.291	160.774	41052.039	48140.719	31.567	32.736	24.359	1.023
2/16/2018 18:00	158400	71.36	17.3	160.746	41071.828	48154.027	31.577	32.745	24.348	1.023
2/16/2018 18:15	159300	71.368	17.294	160.764	41059.18	48145.031	31.57	32.739	24.355	1.023
2/16/2018 18:30	160200	71.362	17.294	160.749	41085.742	48176.742	31.593	32.76	24.339	1.023
2/16/2018 18:45	161100	71.351	17.292	160.726	41082.617	48137.539	31.592	32.759	24.341	1.023
2/16/2018 19:00	162000	71.332	17.297	160.682	41047.379	48128.758	31.558	32.728	24.362	1.023
2/16/2018 19:15	162900	71.321	17.283	160.658	41075.828	48176.52	31.592	32.76	24.345	1.023
2/16/2018 19:30	163800	71.34	17.288	160.7	41042.883	48112.988	31.561	32.73	24.365	1.023
2/16/2018 19:45	164700	71.335	17.288	160.689	41058.789	48151.555	31.574	32.743	24.355	1.023
2/16/2018 20:00	165600	71.334	17.291	160.687	41087.316	48181.898	31.597	32.764	24.338	1.023
2/16/2018 20:15	166500	71.322	17.288	160.66	41067.578	48161.676	31.582	32.75	24.35	1.023
2/16/2018 20:30	167400	71.335	17.287	160.689	41080.867	48178.48	31.594	32.761	24.342	1.023
2/16/2018 20:45	168300	71.337	17.286	160.699	41052.223	48145.543	31.57	32.739	24.359	1.023
2/16/2018 21:00	169200	71.337	17.286	160.693	41026.508	48115.672	31.548	32.719	24.374	1.023
2/16/2018 21:15	170100	71.328	17.288	160.674	41065.066	48158.621	31.58	32.748	24.352	1.023
2/16/2018 21:30	171000	71.332	17.288	160.682	41081.352	48152.965	31.575	32.744	24.354	1.023
2/16/2018 21:45	171900	71.335	17.285	160.688	41072.777	48170.609	31.588	32.756	24.347	1.023
2/16/2018 22:00	172800	71.362	17.287	160.749	41053.127	48146.005	31.57	32.739	24.359	1.023
2/16/2018 22:15	173700	71.362	17.284	160.751	41069.203	48168.102	31.586	32.754	24.349	1.023
2/16/2018 22:30	174600	71.35	17.293	160.723	41059.547	48147.352	31.572	32.74	24.355	1.023
2/16/2018 22:45	175500	71.376	17.283	160.781	41031.453	48125.23	31.555	32.725	24.372	1.023
2/16/2018 23:00	176400	71.362	17.278	160.75	41058.293	48161.43	31.581	32.75	24.356	1.023
2/16/2018 23:15	177300	71.388	17.287	160.809	41043.008	48133.699	31.561	32.731	24.365	1.023
2/16/2018 23:30	178200	71.395	17.287	160.824	41044.484	48135.727	31.563	32.732	24.364	1.023
2/16/2018 23:45	179100	71.382	17.292	160.795	41058.164	48146.287	31.571	32.739	24.356	1.023
2/17/2018 0:00	180000	71.382	17.296	160.796	41045.723	48127.004	31.557	32.726	24.362	1.023
2/17/2018 0:15	180900	71.399	17.293	160.833	41062.324	48150.422	31.574	32.742	24.353	1.023
2/17/2018 0:30	181800	71.396	17.291	160.826	41029.508	48114.383	31.547	32.718	24.373	1.023
2/17/2018 0:45	182700	71.401	17.286	160.837	41028.543	48087.902	31.528	32.7	24.389	1.023
2/17/2018 1:00	183600	71.405	17.287	160.847	41052.293	48144.883	31.569	32.739	24.359	1.023
2/17/2018 1:15	184500	71.417	17.296	160.874	41082.744	48171.414	31.589	32.757	24.341	1.023
2/17/2018 1:30	185400	71.407	17.297	160.852	41019.172	48095.766	31.534	32.705	24.379	1.023
2/17/2018 1:45	186300	71.415	17.286	160.87	41051.176	48145.168	31.57	32.739	24.36	1.023
2/17/2018 2:00	187200	71.411	17.292	160.861	41024.582	48107.008	31.542	32.713	24.376	1.023
2/17/2018 2:15	188100	71.421	17.291	160.88	41050.137	48137.73	31.498	32.734	24.38	1.023
2/17/2018 2:30	189000	71.418	17.289	160.878	41069.328	48162.863	31.583	32.751	24.349	1.023
2/17/2018 2:45	189900	71.411	17.295	160.861	41048.027	48131.113	31.56	32.729	24.362	1.023
2/17/2018 3:00	190800	71.427	17.289	160.897	41064.434	48157.043	31.578	32.747	24.352	1.023
2/17/2018 3:15	191700	71.407	17.294	160.852	41047.027	48130.699	31.559	32.729	24.362	1.023
2/17/2018 3:30	192600	71.429	17.283	160.901	41028.844	48121.332	31.552	32.723	24.373	1.023
2/17/2018 3:45	193500	71.408	17.286	160.853	41055.789	48149.727	31.573	32.742	24.357	1.023
2/17/2018 4:00	194400	71.425	17.283	160.891	41028.543	48120.98	31.552	32.722	24.373	1.023
2/17/2018 4:15	195300	71.425	17.279	160.911	41016.141	48110.75	31.544	32.715	24.381	1.023
2/17/2018 4:30	196200	71.4	17.287	160.888	41037.008	48127.043	31.556	32.726	24.379	1.023
2/17/2018 4:45	197100	71.4	17.285	160.836	41014.148	48107.828	31.538	32.709	24.382	1.023
2/17/2018 5:00	198000	71.386	17.29	160.803	41008.219	48089.98	31.529	32.701	24.385	1.023
2/17/2018 5:15	198900	71.388	17.295	160.807	41050.949	48134.352	31.562	32.731	24.36	1.023
2/17/2018 5:30	199800	71.398	17.29	160.83	41071.906	48167.023	31.498	32.747	24.353	1.023
2/17/2018 5:45	200700	71.382	17.29	160.796	41048.254	48136.66	31.564	32.733	24.362	1.023
2/17/2018 6:00	201600	71.381	17.28	160.792	41030.238	48126.258	31.555	32.726	24.372	1.023
2/17/2018 6:15	202500	71.372	17.293	160.773	41018.852	48099.543	31.537	32.708	24.379	1.023
2/17/2018 6:30	203400	71.391	17.295	160.815	41060.168	48145.809	31.571	32.735	24.36	1.023
2/17/2018 6:45	204300	71.378	17.289	160.786	41037.508	48125.652	31.555	32.725	24.368	1.023
2/17/2018 7:00	205200	71.369	17.287	160.765	41020.945	48107.934	31.542	32.713	24.378	1.023
2/17/2018 7:15	206100	71.38	17.284	160.789	41028.129	48119.449	31.551	32.721	24.374	1.023
2/17/2018 7:30	207000	71.395	17.287	160.824	41037.297	48127.48	31.557	32.727	24.368	1.023
2/17/2018 7:45	207900	71.38	17.284	160.791	41034.053	48112.763	31.556	32.726	24.37	1.023
2/17/2018 8:00	208800	71.385	17.292	160.801	41036.016	48120.414	31.552	32.722	24.369	1.023
2/17/2018 8:15	209700	71.402	17.288	160.841	41040.602	48119.594	31.552	32.721	24.366	1.023
2/17/2018 8:30	210600	71.405	17.302	160.847	41032.457	48105.895	31.542	32.712	24.371	1.023
2/17/2018 8:45	211500	71.396	17.288	160.826	41053.242	48145.945	31.57	32.739	24.365	1.023
2/17/2018 9:00	212400	71.396	17.283	160.826	41066.77	48166.75	31.585	32.753	24.351	1.023
2/17/2018 9:15	213300	71.403	17.286	160.842	41095.453	48196.43	31.607	32.774	24.334	1.023
2/17/2018 9:30	214200	71.423	17.284	160.887	41029.598	48121.363	31.552	32.723	24.373	1.023
2/17/2018 9:45	215100	71.414	17.28	160.867	41017.254	48111.406	31.545	32.716	24.38	1.023
2/17/2018 10:00	216000	71.421	17.293	160.883	41052.41	48138.895	31.565	32.734	24.359	1.023
2/17/2018 10:15	216900	71.444	17.294	160.934	41019.508	48102.469	31.539	32.71	24.379	1.023
2/17/2018 10:30	217800	71.46	17.296	160.971	41055.418	48138.645	31.565	32.734	24.357	1.023
2/17/2018 10:45	218700	71.438	17.299	160.92	41093.852	48180.703	31.596	32.763	24.335	1.023
2/17/2018 11:00	219600	71.452	17.29	160.953	41039.258	48126.301	31.556	32.746	24.36	1.023
2/17/2018 11:15	220500	71.475	17.286	161.005	41058.691	48153.039	31.575	32.743	24.355	1.023
2/17/2018 11:30	221400	71.466	17.289	160.985	41059.992	48151.453	31.574	32.743	24.355	1.023
2/17/2018 11:45	222300	71.487	17.292	161.031	41084.285	48177.496	31.594	32.761	24.34	1.023
2/17/2018 12:00	223200	71.487	17.295	161.031	41066.176	48151.207	31.575	32.744	24.351	1.023
2/17/2018 12:15	224100	71.494	17.284	161.044	41066.008	48120.98	31.618	32.783	24.327	1.023
2/17/2018 12:30	225000	71.482	17.288	161.021	41059.133	48152.34	31.575	32.744	24.355	1.023
2/17/2018 12:45	225900	71.498	17.284	161.056	41034.785	48127.543	31.557	32.727	24.37	1.023
2/17/2018 13:00	226800	71.492	17.294	161.043	41069.809	48158.16	31.58	32.748	24.349	1.023
2/17/2018 13:15	227700	71.471	17.288	160.996	41061.98	48155.151	31.577	32.746	24.353	1.023
2/17/2018 13:30	228600	71.486	17.29	161.029	41088.867	48184.098	31.598	32.765	24.337	1.023
2/17/2018 13:45	229500	71.471	17.293	160.996	41059.73	48159.73	31.581	32.749	24.348	1.023
2/17/2018 14:00	230400	71.48	17.29	161.016						

2/18/2018 4:45	283500	71.36	17.288	160.746	41084.531	48181.828	31.596	32.764	24.34	1.023
2/18/2018 5:00	284400	71.374	17.294	160.777	41052.105	48137.211	31.564	32.733	24.359	1.023
2/18/2018 5:15	285300	71.379	17.289	160.775	41072.836	48167.164	31.586	32.754	24.347	1.023
2/18/2018 5:30	286200	71.362	17.294	160.751	41063.355	48150.504	31.574	32.742	24.353	1.023
2/18/2018 5:45	287100	71.349	17.284	160.72	41049.434	48145.293	31.569	32.739	24.361	1.023
2/18/2018 6:00	288000	71.337	17.289	160.695	41045.547	48135.352	31.563	32.732	24.363	1.023
2/18/2018 6:15	288900	71.352	17.289	160.728	41041.125	48130.086	31.559	32.728	24.369	1.023
2/18/2018 6:30	289800	71.346	17.285	160.714	41043.813	48136.727	31.563	32.733	24.364	1.023
2/18/2018 6:45	290700	71.337	17.292	160.694	41085.254	48178.348	31.594	32.761	24.34	1.023
2/18/2018 7:00	291600	71.338	17.286	160.696	41033.961	48124.602	31.555	32.725	24.37	1.023
2/18/2018 7:15	292500	71.349	17.29	160.721	41084.996	48180.016	31.595	32.762	24.34	1.023
2/18/2018 7:30	293400	71.349	17.281	160.721	41042.012	48118.504	31.551	32.721	24.365	1.023
2/18/2018 7:45	294300	71.347	17.286	160.715	41068.453	48165.242	31.584	32.752	24.35	1.023
2/18/2018 8:00	295200	71.336	17.287	160.692	41054.969	48147.914	31.572	32.741	24.358	1.023
2/18/2018 8:15	296100	71.333	17.29	160.684	41072.359	48165.199	31.584	32.752	24.347	1.023
2/18/2018 8:30	297000	71.334	17.293	160.686	41068.722	48157.84	31.579	32.747	24.349	1.023
2/18/2018 8:45	297900	71.348	17.289	160.719	41071.984	48166.273	31.585	32.753	24.347	1.023
2/18/2018 9:00	298800	71.336	17.296	160.692	41092.324	48202.328	31.612	32.778	24.325	1.023
2/18/2018 9:15	299700	71.339	17.289	160.698	41053.293	48144.355	31.569	32.738	24.359	1.023
2/18/2018 9:30	300600	71.346	17.282	160.713	41047.219	48144.289	31.569	32.738	24.362	1.023
2/18/2018 9:45	301500	71.35	17.284	160.723	41083.078	48183.805	31.598	32.765	24.341	1.023
2/18/2018 10:00	302400	71.368	17.288	160.764	41089.641	48187.551	31.601	32.768	24.337	1.023
2/18/2018 10:15	303300	71.377	17.292	160.783	41055.055	48154.57	31.577	32.745	24.352	1.023
2/18/2018 10:30	304200	71.364	17.288	160.754	41070.813	48165.656	31.585	32.753	24.348	1.023
2/18/2018 10:45	305100	71.389	17.281	160.811	41131.051	48244.223	31.642	32.806	24.313	1.023
2/18/2018 11:00	306000	71.388	17.28	160.808	41052.809	48152.641	31.575	32.744	24.359	1.023
2/18/2018 11:15	306900	71.401	17.287	160.838	41061.148	48154.785	31.577	32.754	24.354	1.023
2/18/2018 11:30	307800	71.409	17.289	160.856	41098.098	48197.918	31.608	32.775	24.332	1.023
2/18/2018 11:45	308700	71.408	17.29	160.85	41080.363	48171.504	31.591	32.754	24.343	1.023
2/18/2018 12:00	309600	71.411	17.291	160.861	41088.563	48183.359	31.598	32.765	24.338	1.023
2/18/2018 12:15	310500	71.423	17.289	160.888	41084.43	48180.68	31.596	32.763	24.34	1.023
2/18/2018 12:30	311400	71.426	17.287	160.894	41041.969	48133.336	31.561	32.731	24.365	1.023
2/18/2018 12:45	312300	71.433	17.285	160.911	41058.965	48167.152	31.586	32.754	24.359	1.023
2/18/2018 13:00	313200	71.442	17.287	160.929	41069.156	48164.555	31.584	32.752	24.349	1.023
2/18/2018 13:15	314100	71.422	17.293	160.885	41030.441	48130.441	31.559	32.729	24.363	1.023
2/18/2018 13:30	315000	71.437	17.292	160.92	41119.531	48218.543	31.624	32.789	24.319	1.023
2/18/2018 13:45	315900	71.439	17.297	160.923	41062.012	48145.348	31.57	32.739	24.353	1.023
2/18/2018 14:00	316800	71.425	17.29	160.891	41037.875	48124.383	31.555	32.725	24.368	1.023
2/18/2018 14:15	317700	71.447	17.283	160.941	41087.871	48191.5	31.603	32.77	24.338	1.023
2/18/2018 14:30	318600	71.435	17.298	160.914	41089.582	48177.105	31.594	32.76	24.337	1.023
2/18/2018 14:45	319500	71.433	17.289	160.911	41093.207	48190.496	31.603	32.77	24.335	1.023
2/18/2018 15:00	320400	71.418	17.289	160.876	41069.887	48163.2	31.581	32.751	24.345	1.023
2/18/2018 15:15	321300	71.433	17.294	160.91	41047.477	48131.496	31.56	32.729	24.362	1.023
2/18/2018 15:30	322200	71.419	17.284	160.877	41094.105	48197.391	31.608	32.774	24.334	1.023
2/18/2018 15:45	323100	71.402	17.283	160.839	41082.387	48184.211	31.598	32.765	24.341	1.023
2/18/2018 16:00	324000	71.41	17.28	160.857	41060.855	48162.27	31.582	32.75	24.352	1.023
2/18/2018 16:15	324900	71.4	17.287	160.835	41114.984	48217.922	31.623	32.788	24.322	1.023
2/18/2018 16:30	325800	71.395	17.303	160.824	41081.801	48162.527	31.583	32.751	24.342	1.023
2/18/2018 16:45	326700	71.389	17.288	160.812	41009.023	48093.574	31.532	32.704	24.385	1.023
2/18/2018 17:00	327600	71.369	17.294	160.766	41072.762	48161.523	31.582	32.75	24.367	1.023
2/18/2018 17:15	328500	71.371	17.29	160.775	41066.008	48181.203	31.596	32.763	24.339	1.023
2/18/2018 17:30	329400	71.347	17.285	160.716	41112.098	48217.371	31.622	32.788	24.324	1.023
2/18/2018 17:45	330300	71.36	17.277	160.746	41045.613	48148.148	31.571	32.741	24.363	1.023
2/18/2018 18:00	331200	71.337	17.283	160.693	41071.09	48174.164	31.591	32.758	24.347	1.023
2/18/2018 18:15	332100	71.339	17.287	160.699	41080.59	48177.586	31.593	32.761	24.342	1.023
2/18/2018 18:30	333000	71.33	17.303	160.679	41075.434	48154.965	31.578	32.745	24.345	1.023
2/18/2018 18:45	333900	71.321	17.291	160.655	41084.973	48179.152	31.595	32.762	24.34	1.023
2/18/2018 19:00	334800	71.323	17.294	160.662	41078.172	48167.586	31.586	32.754	24.344	1.023
2/18/2018 19:15	335700	71.323	17.286	160.661	41071.598	48168.624	31.587	32.755	24.346	1.023
2/18/2018 19:30	336600	71.301	17.289	160.613	41067.996	48161.488	31.582	32.75	24.35	1.023
2/18/2018 19:45	337500	71.296	17.288	160.602	41111.785	48213.895	31.62	32.785	24.324	1.023
2/18/2018 20:00	338400	71.303	17.289	160.617	41069.395	48162.859	31.583	32.751	24.349	1.023
2/18/2018 20:15	339300	71.301	17.288	160.612	41066.934	48160.813	31.581	32.749	24.35	1.023
2/18/2018 20:30	340200	71.296	17.292	160.616	41061.77	48155.906	31.574	32.746	24.327	1.023
2/18/2018 20:45	341100	71.306	17.294	160.624	41046.848	48130.488	31.559	32.729	24.362	1.023
2/18/2018 21:00	342000	71.283	17.301	160.571	41069.508	48150.457	31.574	32.742	24.349	1.023
2/18/2018 21:15	342900	71.283	17.3	160.573	41089.746	48174.945	31.592	32.759	24.337	1.023
2/18/2018 21:30	343800	71.283	17.283	160.623	41072.145	48207.766	31.615	32.781	24.321	1.023
2/18/2018 21:45	344700	71.29	17.289	160.588	41072.141	48169.81	31.585	32.753	24.347	1.023
2/18/2018 22:00	345600	71.294	17.285	160.597	41029.492	48120.672	31.552	32.722	24.373	1.023
2/18/2018 22:15	346500	71.306	17.284	160.624	41042.281	48135.523	31.563	32.733	24.365	1.023
2/18/2018 22:30	347400	71.328	17.279	160.674	41052.125	48153.148	31.575	32.744	24.354	1.023
2/18/2018 22:45	348300	71.325	17.293	160.668	41042.797	48127.145	31.557	32.726	24.365	1.023
2/18/2018 23:00	349200	71.328	17.289	160.674	41035.43	48123.297	31.554	32.724	24.369	1.023
2/18/2018 23:15	350100	71.327	17.281	160.671	41038.902	48135.672	31.562	32.732	24.367	1.023
2/18/2018 23:30	351000	71.347	17.295	160.715	41054.438	48193.008	31.566	32.735	24.358	1.023
2/18/2018 23:45	351900	71.353	17.289	160.729	41024.125	48109.852	31.544	32.737	24.329	1.023
2/19/2018 0:00	352800	71.362	17.289	160.749	41069.043	48161.879	31.582	32.75	24.349	1.023
2/19/2018 0:15	353700	71.351	17.289	160.725	41065.578	48158.762	31.58	32.748	24.351	1.023
2/19/2018 0:30	354600	71.36	17.293	160.746	41016.059	48095.699	31.534	32.705	24.381	1.023
2/19/2018 0:45	355500	71.388	17.283	160.803	41076.789	48161.836	31.582	32.75	24.358	1.023
2/19/2018 1:00	356400	71.388	17.296	160.809	41053.813	48136.953	31.564	32.733	24.358	1.023
2/19/2018 1:15	357300	71.385	17.285	160.835	41067.336	48164.395	31.584	32.752	24.35	1.023
2/19/2018 1:30	358200	71.386	17.298	160.804	41019.457	48094.234	31.533	32.704	24.379	1.023
2/19/2018 1:45	359100	71.394	17.28	160.821	41028.172	48123.645	31.553	32.724	24.373	1.023
2/19/2018 2:00	360000	71.4	17.287	160.835	41036.895	48126.527	31.556	32.726	24.368	1.023
2/19/2018 2:15	360900	71.4	17.283	160.836	41051.438	48148.391	31.572	32.741	24.36	1.023
2/19/2018 2:30	361800	71.401	17.292	160.837	41054.008	48141.516	31.567	32.736	24.358	1.023
2/19/2018 2:45	362700	71.407								

2/19/2018 17:30	415800	71.41	17.285	160.859	41045.098	48138.23	31.564	32.734	24.363	1.023
2/19/2018 17:45	416700	71.388	17.289	160.809	41057.777	48148.668	31.572	32.741	24.356	1.023
2/19/2018 18:00	417600	71.384	17.282	160.792	41061.234	48150.543	31.581	32.749	24.354	1.023
2/19/2018 18:15	418500	71.384	17.281	160.8	41055.656	48151.268	31.551	32.721	24.375	1.023
2/19/2018 18:30	419400	71.375	17.3	160.78	41055.746	48134.797	31.563	32.732	24.357	1.023
2/19/2018 18:45	420300	71.365	17.289	160.756	41050.613	48140.453	31.566	32.736	24.36	1.023
2/19/2018 19:00	421200	71.361	17.286	160.752	41042.617	48151.133	31.575	32.743	24.365	1.023
2/19/2018 19:15	422100	71.362	17.286	160.751	41093.848	48155.215	31.606	32.773	24.335	1.023
2/19/2018 19:30	423000	71.343	17.286	160.708	41032.121	48122.633	31.553	32.723	24.371	1.023
2/19/2018 19:45	423900	71.35	17.284	160.723	41062.5	48160.129	31.58	32.749	24.353	1.023
2/19/2018 20:00	424800	71.339	17.294	160.699	41037.02	48115.234	31.551	32.721	24.368	1.023
2/19/2018 20:15	425700	71.351	17.281	160.726	41053.824	48151.453	31.575	32.744	24.358	1.023
2/19/2018 20:30	426600	71.327	17.286	160.671	41034.25	48124.375	31.554	32.725	24.37	1.023
2/19/2018 20:45	427500	71.331	17.286	160.679	41059.195	48153.82	31.576	32.745	24.355	1.023
2/19/2018 21:00	428400	71.346	17.29	160.713	41059.207	48150.246	31.573	32.742	24.355	1.023
2/19/2018 21:15	429300	71.339	17.286	160.699	41079.652	48137.8	31.594	32.751	24.343	1.023
2/19/2018 21:30	430200	71.343	17.289	160.708	41045.527	48135.246	31.562	32.732	24.363	1.023
2/19/2018 21:45	431100	71.283	17.283	160.711	41047.172	48142.723	31.568	32.737	24.362	1.023
2/19/2018 22:00	432000	71.342	17.286	160.705	41056.332	48151.113	31.574	32.743	24.357	1.023
2/19/2018 22:15	432900	71.323	17.287	160.676	41023.57	48110.752	31.546	32.715	24.379	1.023
2/19/2018 22:30	433800	71.348	17.287	160.717	41017.715	48104.414	31.54	32.711	24.38	1.023
2/19/2018 22:45	434700	71.352	17.293	160.726	41042.043	48126.828	31.557	32.726	24.365	1.023
2/19/2018 23:00	435600	71.35	17.287	160.723	41025.672	48114.223	31.547	32.718	24.375	1.023
2/19/2018 23:15	436500	71.35	17.282	160.723	41001.641	48090.555	31.529	32.702	24.389	1.023
2/19/2018 23:30	437400	71.37	17.285	160.769	40992.871	48077.719	31.52	32.693	24.394	1.023
2/19/2018 23:45	438300	71.364	17.288	160.754	41025.207	48111.605	31.545	32.716	24.375	1.023
2/20/2018 0:00	439200	71.368	17.29	160.763	41079.789	48174.293	31.591	32.759	24.343	1.023
2/20/2018 0:15	440100	71.39	17.293	160.814	41023.746	48104.617	31.54	32.711	24.376	1.023
2/20/2018 0:30	441000	71.4	17.298	160.835	41044.195	48123.138	31.555	32.724	24.364	1.023
2/20/2018 0:45	441900	71.409	17.286	160.856	41002.102	48086.948	31.527	32.699	24.389	1.023
2/20/2018 1:00	442800	71.41	17.291	160.859	41036.977	48123.055	31.554	32.724	24.368	1.023
2/20/2018 1:15	443700	71.411	17.293	160.861	41013.867	48095.699	31.532	32.704	24.382	1.023
2/20/2018 1:30	444600	71.412	17.293	160.863	41020.262	48100.438	31.537	32.708	24.378	1.023
2/20/2018 1:45	445500	71.408	17.3	160.853	41010.285	48081.309	31.524	32.695	24.384	1.023
2/20/2018 2:00	446400	71.435	17.288	160.915	41030.363	48118.492	31.55	32.721	24.372	1.023
2/20/2018 2:15	447300	71.439	17.292	160.923	41009.988	48090.273	31.53	32.701	24.384	1.023
2/20/2018 2:30	448200	71.444	17.286	160.926	41011.254	48112.699	31.532	32.723	24.372	1.023
2/20/2018 2:45	449100	71.435	17.294	160.914	41008.859	48096.848	31.534	32.706	24.385	1.023
2/20/2018 3:00	450000	71.444	17.293	160.934	41002.926	48080.77	31.523	32.695	24.389	1.023
2/20/2018 3:15	450900	71.434	17.283	160.911	41004.52	48093.453	31.532	32.704	24.388	1.023
2/20/2018 3:30	451800	71.435	17.294	160.914	41011.641	48089.203	31.529	32.701	24.383	1.023
2/20/2018 3:45	452700	71.435	17.284	160.949	40992.207	48077.605	31.52	32.693	24.379	1.023
2/20/2018 4:00	453600	71.436	17.284	160.917	40979.219	48062.086	31.509	32.682	24.403	1.023
2/20/2018 4:15	454500	71.437	17.287	160.918	41004.634	48100.664	31.537	32.708	24.382	1.023
2/20/2018 4:30	455400	71.458	17.284	160.965	40976.465	48095.332	31.507	32.68	24.404	1.023
2/20/2018 4:45	456300	71.435	17.294	160.914	41016.191	48090.785	31.523	32.702	24.391	1.023
2/20/2018 5:00	457200	71.442	17.292	160.929	40998.195	48075.879	31.519	32.692	24.391	1.023
2/20/2018 5:15	458100	71.425	17.278	160.892	40990.719	48082.918	31.524	32.696	24.396	1.023
2/20/2018 5:30	459000	71.422	17.286	160.885	41003.453	48089.094	31.529	32.701	24.388	1.023
2/20/2018 5:45	459900	71.433	17.286	160.91	40987.875	48070.93	31.515	32.688	24.397	1.023
2/20/2018 6:00	460800	71.435	17.292	160.915	40998.911	48077.359	31.52	32.693	24.393	1.023
2/20/2018 6:15	461700	71.408	17.286	160.854	41057.66	48152.477	31.575	32.744	24.356	1.023
2/20/2018 6:30	462600	71.404	17.285	160.844	41003.754	48089.824	31.529	32.701	24.388	1.023
2/20/2018 6:45	463500	71.418	17.289	160.876	41022.98	48108.328	31.543	32.714	24.377	1.023
2/20/2018 7:00	464400	71.409	17.289	160.856	41021.984	48107.551	31.542	32.717	24.377	1.023
2/20/2018 7:15	465300	71.398	17.283	160.83	41005.949	48090.715	31.53	32.702	24.387	1.023
2/20/2018 7:30	466200	71.388	17.293	160.809	41031.383	48113.48	31.547	32.717	24.372	1.023
2/20/2018 7:45	467100	71.373	17.283	160.774	41029.051	48112.656	31.552	32.723	24.373	1.023
2/20/2018 8:00	468000	71.371	17.289	160.771	41018.496	48102.38	31.539	32.71	24.379	1.023
2/20/2018 8:15	468900	71.377	17.29	160.785	41027.645	48113.043	31.546	32.717	24.374	1.023
2/20/2018 8:30	469800	71.364	17.289	160.755	41004.914	48086.766	31.527	32.699	24.387	1.023
2/20/2018 8:45	470700	71.368	17.296	160.764	40999.73	48074.016	31.518	32.69	24.39	1.023
2/20/2018 9:00	471600	71.37	17.29	160.769	41011.273	48094.383	31.533	32.704	24.383	1.023
2/20/2018 9:15	472500	71.376	17.292	160.782	40983.414	48084.826	31.507	32.68	24.4	1.023
2/20/2018 9:30	473400	71.374	17.289	160.778	41027.105	48112.887	31.546	32.717	24.374	1.023
2/20/2018 9:45	474300	71.35	17.285	160.723	41007.953	48095.508	31.533	32.705	24.386	1.023
2/20/2018 10:00	475200	71.37	17.289	160.769	41014.391	48098.813	31.536	32.707	24.382	1.023
2/20/2018 10:15	476100	71.354	17.29	160.731	41011.707	48094.154	31.532	32.704	24.383	1.023
2/20/2018 10:30	477000	71.374	17.283	160.778	41029.348	48122.105	31.553	32.723	24.373	1.023
2/20/2018 10:45	477900	71.355	17.284	160.723	41040.316	48134.41	31.562	32.731	24.366	1.023
2/20/2018 11:00	478800	71.343	17.284	160.731	41022.457	48131.547	31.546	32.717	24.377	1.023
2/20/2018 11:15	479700	71.369	17.285	160.766	41049.816	48144.039	31.569	32.736	24.361	1.023
2/20/2018 11:30	480600	71.362	17.287	160.75	41035.395	48124.879	31.555	32.725	24.369	1.023
2/20/2018 11:45	481500	71.363	17.291	160.751	41061.488	48151.043	31.574	32.743	24.354	1.023
2/20/2018 12:00	482400	71.37	17.289	160.768	41094.398	48192.453	31.604	32.771	24.334	1.023
2/20/2018 12:15	483300	71.391	17.291	160.815	41031.215	48151.543	31.548	32.719	24.372	1.023
2/20/2018 12:30	484200	71.38	17.281	160.781	41037.953	48134.029	31.561	32.731	24.363	1.023
2/20/2018 12:45	485100	71.382	17.291	160.795	41037.816	48123.375	31.554	32.724	24.368	1.023
2/20/2018 13:00	486000	71.384	17.287	160.8	41035.598	48125.676	31.555	32.725	24.369	1.023
2/20/2018 13:15	486900	71.386	17.287	160.803	41024.355	48111.637	31.545	32.716	24.376	1.023
2/20/2018 13:30	487800	71.407	17.292	160.851	41074.973	48146.926	31.584	32.752	24.362	1.023
2/20/2018 13:45	488700	71.415	17.288	160.877	41084.715	48181.773	31.596	32.764	24.34	1.023
2/20/2018 14:00	489600	71.409	17.29	160.855	41035.688	48122.004	31.553	32.723	24.369	1.023
2/20/2018 14:15	490500	71.414	17.292	160.867	41057.82	48145.516	31.57	32.739	24.356	1.023
2/20/2018 14:30	491400	71.404	17.284	160.844	41087.074	48184.41	31.598	32.765	24.35	1.023
2/20/2018 14:45	492300	71.407	17.289	160.851	41030.5	48117.438	31.549	32.72	24.372	1.023
2/20/2018 15:00	493200	71.412	17.285	160.863	41042.59	48136.129	31.563	32.733	24.365	1.023
2/20/2018 15:15	494100	71.408	17.289	160.853	41050.762	48141.008	31.567	32.736	24.36	1.023
2/20/2018 15:30	495000	71.419	17.283	160.877						

2/21/2018 6:15	548100	71.411	17.289	160.861	41015.266	48099.84	31.537	32.708	24.381	1.023
2/21/2018 6:30	549000	71.391	17.285	160.815	41031.191	48122.66	31.553	32.723	24.371	1.023
2/21/2018 6:45	549900	71.386	17.287	160.804	40989.723	48077.684	31.516	32.689	24.356	1.023
2/21/2018 7:00	550800	71.386	17.287	160.803	40994.438	48077.215	31.52	32.693	24.394	1.023
2/21/2018 7:15	551700	71.392	17.297	160.817	41014.563	48090.281	31.53	32.701	24.382	1.023
2/21/2018 7:30	552600	71.384	17.288	160.798	41027.594	48114.863	31.548	32.718	24.374	1.023
2/21/2018 7:45	553500	71.369	17.281	160.766	40991.305	48079.652	31.521	32.694	24.395	1.023
2/21/2018 8:00	554400	71.368	17.306	160.764	41004.113	48068.328	31.515	32.686	24.388	1.023
2/21/2018 8:15	555300	71.347	17.292	160.716	41036.746	48121.18	31.552	32.722	24.368	1.023
2/21/2018 8:30	556200	71.358	17.296	160.742	41043.043	48124.512	31.555	32.725	24.365	1.023
2/21/2018 8:45	557100	71.337	17.283	160.693	41010.824	48100.758	31.537	32.709	24.384	1.023
2/21/2018 9:00	558000	71.348	17.284	160.719	41029.738	48121.808	31.552	32.723	24.373	1.023
2/21/2018 9:15	558900	71.34	17.28	160.701	41038.055	48136.082	31.563	32.733	24.368	1.023
2/21/2018 9:30	559800	71.338	17.286	160.695	40996.402	48079.988	31.522	32.694	24.392	1.023
2/21/2018 9:45	560700	71.318	17.287	160.652	41012.719	48098.746	31.536	32.707	24.383	1.023
2/21/2018 10:00	561600	71.309	17.285	160.63	40996.844	48081.828	31.523	32.696	24.392	1.023
2/21/2018 10:15	562500	71.305	17.296	160.621	41038.809	48119.457	31.551	32.721	24.367	1.023
2/21/2018 10:30	563400	71.303	17.289	160.618	41018.113	48102.723	31.539	32.71	24.379	1.023
2/21/2018 10:45	564300	71.323	17.294	160.662	41022.676	48102.98	31.539	32.71	24.377	1.023
2/21/2018 11:00	565200	71.316	17.285	160.647	41051.98	48146.766	31.571	32.74	24.359	1.023
2/21/2018 11:15	566100	71.317	17.295	160.648	41062.926	48148.477	31.578	32.741	24.353	1.023
2/21/2018 11:30	567000	71.308	17.288	160.627	41067.664	48161.777	31.582	32.75	24.35	1.023
2/21/2018 11:45	567900	71.311	17.283	160.636	41027.777	48120.352	31.551	32.722	24.374	1.023
2/21/2018 12:00	568800	71.312	17.292	160.656	41064.613	48154.43	31.577	32.745	24.352	1.023
2/21/2018 12:15	569700	71.318	17.284	160.65	41040.871	48135.25	31.562	32.732	24.366	1.023
2/21/2018 12:30	570600	71.32	17.29	160.656	41057.078	48147.66	31.572	32.74	24.356	1.023
2/21/2018 12:45	571500	71.33	17.296	160.679	41079.949	48167.512	31.586	32.754	24.343	1.023
2/21/2018 13:00	572400	71.334	17.285	160.687	41047.289	48141.73	31.567	32.736	24.362	1.023
2/21/2018 13:15	573300	71.328	17.291	160.673	41062.566	48152.875	31.575	32.744	24.353	1.023
2/21/2018 13:30	574200	71.346	17.298	160.713	41069.445	48153.227	31.576	32.744	24.349	1.023
2/21/2018 13:45	575100	71.322	17.289	160.661	41049.293	48139.555	31.566	32.735	24.361	1.023
2/21/2018 14:00	576000	71.336	17.285	160.692	41078.418	48177.961	31.593	32.761	24.344	1.023
2/21/2018 14:15	576900	71.337	17.288	160.694	41074.102	48169.031	31.587	32.755	24.346	1.023
2/21/2018 14:30	577800	71.337	17.292	160.694	41048.777	48135.574	31.563	32.732	24.361	1.023
2/21/2018 14:45	578700	71.354	17.287	160.733	41048.559	48141.063	31.567	32.736	24.361	1.023
2/21/2018 15:00	579600	71.366	17.294	160.758	41067.48	48154.766	31.577	32.745	24.35	1.023
2/21/2018 15:15	580500	71.352	17.285	160.726	41039.051	48131.512	31.56	32.729	24.367	1.023
2/21/2018 15:30	581400	71.353	17.285	160.729	41029.352	48120.504	31.551	32.722	24.373	1.023
2/21/2018 15:45	582300	71.351	17.29	160.726	41059.305	48149.809	31.573	32.742	24.355	1.023
2/21/2018 16:00	583200	71.352	17.29	160.728	41053.32	48143.344	31.568	32.737	24.359	1.023
2/21/2018 16:15	584100	71.343	17.28	160.706	41040.438	48138.598	31.564	32.734	24.366	1.023
2/21/2018 16:30	585000	71.343	17.276	160.706	41069.906	48177.037	31.592	32.76	24.349	1.023
2/21/2018 16:45	585900	71.358	17.291	160.742	41049.805	48137.625	31.564	32.734	24.361	1.023
2/21/2018 17:00	586800	71.337	17.283	160.694	41055.887	48153.887	31.576	32.745	24.357	1.023
2/21/2018 17:15	587700	71.343	17.289	160.706	41039.605	48128.113	31.557	32.727	24.367	1.023
2/21/2018 17:30	588600	71.353	17.292	160.729	41074.715	48165.988	31.585	32.753	24.346	1.023
2/21/2018 17:45	589500	71.336	17.293	160.692	41044.305	48129.48	31.558	32.728	24.364	1.023
2/21/2018 18:00	590400	71.35	17.293	160.723	41059.508	48147.117	31.571	32.74	24.355	1.023
2/21/2018 18:15	591300	71.35	17.28	160.723	41030.547	48127.188	31.556	32.726	24.372	1.023
2/21/2018 18:30	592200	71.347	17.289	160.715	41017.25	48101.141	31.538	32.709	24.38	1.023
2/21/2018 18:45	593100	71.34	17.287	160.701	41052.465	48145.399	31.57	32.739	24.359	1.023
2/21/2018 19:00	594000	71.324	17.288	160.665	41009.191	48093.016	31.532	32.703	24.385	1.023
2/21/2018 19:15	594900	71.344	17.291	160.709	41008.703	48089.332	31.529	32.701	24.385	1.023
2/21/2018 19:30	595800	71.319	17.291	160.653	41010.184	48091.07	31.53	32.702	24.384	1.023
2/21/2018 19:45	596700	71.318	17.28	160.65	41020.121	48114.77	31.547	32.718	24.378	1.023
2/21/2018 20:00	597600	71.326	17.287	160.669	41057.789	48151.414	31.574	32.743	24.356	1.023
2/21/2018 20:15	598500	71.307	17.285	160.626	41023.098	48113.172	31.546	32.717	24.377	1.023
2/21/2018 20:30	599400	71.307	17.282	160.626	41021.352	48114.43	31.547	32.718	24.378	1.023
2/21/2018 20:45	600300	71.308	17.287	160.629	41025.391	48113.332	31.546	32.717	24.375	1.023
2/21/2018 21:00	601200	71.318	17.282	160.65	41018.105	48110.332	31.544	32.715	24.379	1.023
2/21/2018 21:15	602100	71.297	17.297	160.603	41077.684	48164.102	31.584	32.752	24.344	1.023
2/21/2018 21:30	603000	71.308	17.295	160.628	41045.992	48128.449	31.558	32.727	24.363	1.023
2/21/2018 21:45	603900	71.313	17.287	160.64	41018.656	48105.059	31.54	32.711	24.379	1.023
2/21/2018 22:00	604800	71.302	17.291	160.615	40998.809	48078.383	31.521	32.693	24.391	1.023
2/21/2018 22:15	605700	71.313	17.285	160.639	41026.637	48117.043	31.549	32.72	24.374	1.023
2/21/2018 22:30	606600	71.302	17.284	160.614	41042.172	48136.016	31.563	32.732	24.365	1.023
2/21/2018 22:45	607500	71.307	17.281	160.626	41030.266	48125.633	31.555	32.725	24.372	1.023
2/21/2018 23:00	608400	71.297	17.29	160.604	41030.918	48117.07	31.549	32.72	24.372	1.023
2/21/2018 23:15	609300	71.319	17.283	160.653	40983.797	48069.148	31.514	32.687	24.4	1.023
2/21/2018 23:30	610200	71.317	17.289	160.648	41034.098	48121.656	31.553	32.723	24.37	1.023
2/21/2018 23:45	611100	71.309	17.289	160.63	41021.16	48105.914	31.541	32.712	24.378	1.023

Report Date: 2/23/2018 14:44
Report User Name: AVanHaitsma
Report Computer Name: WKST34
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties
File Name MPWSP MW-8S LT Test_2018-02-22_12-36-15-269-BaroMerge.wsl
Create Date 2/23/2018 14:43

Device Properties
Device Aqua TROLL 200
Site MPWSP MW-8S
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 WinSitu.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

Log Notes:
Date and Time Note
1/15/2016 9:07 Used Battery: 2% Used Memory: 6% User Name: KMakar
1/21/2016 9:00 Log Download - Used Battery: 2% Used Memory: 3% User Name: KMakar
1/28/2016 9:25 Log Download - Used Battery: 2% Used Memory: 3% User Name: KMakar Interval - Start Time: 1/18/2016 11:45:00 AM Stop Time: 2/4/2016 9:15:00 AM
2/4/2016 10:20 Log Download - 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 Log Download - 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 Log Download - Used Battery: 3% Used Memory: 6% User Name: CShaw Interval - Start Time: 2/4/2016 3:00:00 AM Stop Time: 2/18/2016 12:00:00 PM
2/25/2016 10:53 Log Download - 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
3/3/2016 12:57 Log Download - Used Battery: 4% Used Memory: 7% User Name: SKuiper Interval - Start Time: 1/31/2016 12:00:01 AM Stop Time: 3/3/2016 1:45:00 PM
3/10/2016 14:40 Log Download - Used Battery: 4% Used Memory: 9% User Name: KMakar Interval - Start Time: 3/1/2016 12:00:00 PM Stop Time: 3/10/2016 2:30:00 PM
3/17/2016 12:40 Log Download - Used Battery: 5% Used Memory: 9% User Name: SKuiper Interval - Start Time: 3/8/2016 12:00:01 AM Stop Time: 3/17/2016 1:30:00 PM
3/24/2016 9:01 Log Download - 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
4/21/2016 13:31 Log Download - Used Battery: 6% Used Memory: 10% User Name: SKuiper Interval - Start Time: 3/22/2016 12:00:00 PM Stop Time: 3/31/2016 4:00:00 PM
4/7/2016 9:43 Log Download - Used Battery: 6% Used Memory: 12% User Name: KMakar Interval - Start Time: 2/29/2016 5:00:00 PM Stop Time: 4/7/2016 9:45:00 AM
4/14/2016 15:18 Log Download - Used Battery: 6% Used Memory: 12% User Name: SKuiper Interval - Start Time: 4/5/2016 12:00:00 PM Stop Time: 4/14/2016 4:15:00 PM
4/21/2016 13:31 Log Download - Used Battery: 7% Used Memory: 14% User Name: ELinden Interval - Start Time: 4/12/2016 1:30:00 PM Stop Time: 4/21/2016 2:30:00 PM
4/28/2016 8:25 Log Download - 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 Log Download - 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 Log Download - 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 Log Download - Used Battery: 8% Used Memory: 17% User Name: ELinden Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 3:00:00 PM
5/26/2016 9:07 Log Download - Used Battery: 8% Used Memory: 17% User Name: SKuiper Interval - Start Time: 5/17/2016 6:00:00 PM Stop Time: 5/26/2016 9:00:00 AM
6/2/2016 11:43 Log Download - 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 Log Download - Used Battery: 9% Used Memory: 18% User Name: CShaw Interval - Start Time: 5/31/2016 5:00:00 AM Stop Time: 6/9/2016 10:30:00 AM
6/16/2016 11:18 Log Download - 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 Log Download - 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 Log Download - 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
7/1/2016 11:53 Log Download - 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 11:56 Log Download - Used Battery: 11% Used Memory: 23% User Name: SKuiper Interval - Start Time: 6/29/2016 10:00:00 PM Stop Time: 7/8/2016 11:30:00 AM
7/14/2016 18:00 Log Download - Used Battery: 11% Used Memory: 23% User Name: ELinden Interval - Start Time: 7/5/2016 12:00:00 PM Stop Time: 7/14/2016 7:00:00 PM
7/21/2016 11:13 Log Download - 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 Log Download - 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 Log Download - 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 Log Download - Used Battery: 12% Used Memory: 26% User Name: ELinden Interval - Start Time: 8/3/2016 12:00:00 PM Stop Time: 8/11/2016 11:45:00 AM
8/18/2016 15:48 Log Download - Used Battery: 13% Used Memory: 28% User Name: SKuiper Interval - Start Time: 8/10/2016 10:00:00 PM Stop Time: 8/18/2016 4:45:00 PM
8/25/2016 12:33 Log Download - Used Battery: 13% Used Memory: 28% User Name: ELinden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 1:30:00 PM
9/1/2016 16:11 Log Download - Used Battery: 14% Used Memory: 29% User Name: SKuiper Interval - Start Time: 7/31/2016 10:00:00 PM Stop Time: 9/1/2016 4:00:00 PM
9/8/2016 18:27 Log Download - Used Battery: 14% Used Memory: 29% User Name: SKuiper Interval - Start Time: 8/31/2016 10:00:00 PM Stop Time: 9/8/2016 6:15:00 PM
9/15/2016 15:20 Log Download - Used Battery: 14% Used Memory: 31% User Name: ANorris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 4:15:00 PM
9/22/2016 12:49 Log Download - Used Battery: 15% Used Memory: 31% User Name: ANorris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 1:45:00 PM
10/1/2016 11:37 Log Download - Used Battery: 15% Used Memory: 32% User Name: ANorris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/1/2016 12:30:00 PM
10/6/2016 12:03 Log Download - Used Battery: 15% Used Memory: 32% User Name: SKuiper Interval - Start Time: 9/28/2016 10:00:00 PM Stop Time: 10/6/2016 12:00:00 PM
10/13/2016 16:33 Log Download - Used Battery: 16% Used Memory: 34% User Name: SKuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/13/2016 5:15:00 PM
10/20/2016 16:56 Log Download - Used Battery: 16% Used Memory: 34% User Name: SKuiper Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 4:30:00 PM
10/20/2016 17:30 Log Download - Used Battery: 16% Used Memory: 34% User Name: SKuiper Interval - Start Time: 10/12/2016 10:00:00 PM Stop Time: 10/20/2016 6:30:00 PM
10/27/2016 12:47 Log Download - Used Battery: 16% Used Memory: 35% User Name: SKuiper Interval - Start Time: 10/19/2016 10:00:00 PM Stop Time: 10/27/2016 12:45:00 PM
11/3/2016 15:56 Log Download - Used Battery: 17% Used Memory: 35% User Name: SKuiper Interval - Start Time: 9/30/2016 5:00:00 PM Stop Time: 11/3/2016 4:45:00 PM
11/11/2016 8:29 Log Download - Used Battery: 17% Used Memory: 37% 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 15:06 Log Download - Used Battery: 18% Used Memory: 37% User Name: SKuiper Interval - Start Time: 11/9/2016 10:00:00 PM Stop Time: 11/17/2016 4:00:00 PM
11/24/2016 12:33 Log Download - Used Battery: 18% Used Memory: 39% User Name: SKuiper Interval - Start Time: 11/15/2016 10:00:00 PM Stop Time: 11/24/2016 12:30:00 PM
11/24/2016 14:38 Log Download - Used Battery: 18% Used Memory: 39% User Name: SKuiper Interval - Start Time: 11/15/2016 10:00:00 PM Stop Time: 11/24/2016 5:30:00 PM
12/2/2016 8:02 Log Download - Used Battery: 19% Used Memory: 40% User Name: SKuiper Interval - Start Time: 10/31/2016 10:00:00 PM Stop Time: 12/2/2016 8:45:00 AM
12/9/2016 9:32 Log Download - Used Battery: 19% Used Memory: 40% 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 15:24 Log Download - Used Battery: 19% Used Memory: 42% 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 12:10 Log Download - Used Battery: 20% Used Memory: 42% 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 10:19 Log Download - Used Battery: 20% Used Memory: 43% User Name: SKuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 1/5/2017 10:15:00 AM
1/12/2017 16:13 Log Download - Used Battery: 21% Used Memory: 45% 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 12:41 Log Download - Used Battery: 21% Used Memory: 45% 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 9:55 Log Download - Used Battery: 21% Used Memory: 46% User Name: SKuiper Interval - Start Time: 1/18/2017 10:00:00 PM Stop Time: 1/26/2017 11:45:00 AM
2/2/2017 15:47 Log Download - Used Battery: 22% Used Memory: 46% User Name: WMassoll Interval - Start Time: 12/31/2016 10:00:00 PM Stop Time: 2/2/2017 4:45:00 PM
2/9/2017 12:01 Log Download - Used Battery: 22% Used Memory: 48% User Name: EHernandez Interval - Start Time: 2/1/2017 12:00:00 AM Stop Time: 2/9/2017 12:45:00 PM
2/16/2017 12:00 Log Download - Used Battery: 22% Used Memory: 48% User Name: WMassoll Interval - Start Time: 2/8/2017 10:00:00 PM Stop Time: 2/16/2017 12:00:00 PM
2/23/2017 14:10 Log Download - Used Battery: 23% Used Memory: 50% 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 16:07 Log Download - Used Battery: 23% Used Memory: 50% User Name: SKuiper Interval - Start Time: 1/31/2017 10:00:00 PM Stop Time: 3/2/2017 5:00:00 PM
3/9/2017 12:18 Log Download - Used Battery: 24% Used Memory: 51% 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 16:09 Log Download - Used Battery: 24% Used Memory: 51% User Name: WMassoll Interval - Start Time: 3/8/2017 10:00:00 PM Stop Time: 3/16/2017 5:00:00 PM
2/23/2018 14:43 User Note: "Pressure & Level adjusted by baro data from: "MPWSP Bartroll_2018-02-22_16-56-22-545.wsl""

Log Data:

Record Count 731

Sensors

2

1

428966 PCTD 100 PSIA (60.1m/197.3ft)

2

0 Baro-Adjustment Calc

Time Zone: Pacific Standard Time

Date and Time	Elapsed Time Seconds	Sensor: PCTD(A) 197.3ft		Sensor: PC Sensor: PC Sensor: PC Sensor: PC Sensor: PC Sensor: PC Sensor: PC Sensor: Bar									
		SN#: 428966		SN#: 42896 SN#: 42896 SN#: 42896 SN#: 42896 SN#: 42896 SN#: 42896 SN#: 42896 SN#: 0000C									
		Corrected	Corrected										
		Pressure (PSI)	Temperatu	Depth (ft)	Actual Con	Specific Co	Salinity (PS	Total Disso	Resistivity (Water	Den	Barometric		
2/15/2018 0:00	7200	20.273	16.101	46.208	742.586	894.641	0.444	608.356	1346.646	0.999	14.831		
2/15/2018 0:15	8100	20.277	16.102	46.217	742.498	894.531	0.443	608.281	1346.805	0.999	14.829		
2/15/2018 0:30	9000	20.265	16.102	46.191	742.389	894.399	0.443	608.191	1347.002	0.999	14.831		
2/15/2018 0:45	9900	20.269	16.102	46.199	742.419	894.435	0.443	608.216	1346.947	0.999	14.836		
2/15/2018 1:00	10800	20.263	16.102	46.185	742.163	894.119	0.443	608.001	1347.413	0.999	14.835		
2/15/2018 1:15	11700	20.276	16.102	46.215	742.381	894.384	0.443	608.181	1347.017	0.999	14.83		
2/15/2018 1:30	12600	20.277	16.102	46.218	742.274	894.246	0.443	608.087	1347.211	0.999	14.829		
2/15/2018 1:45	13500	20.274	16.102	46.211	742.366	894.365	0.443	608.168	1347.045	0.999	14.835		
2/15/2018 2:00	14400	20.275	16.102	46.212	742.008	893.929	0.443	607.872	1347.693	0.999	14.835		
2/15/2018 2:15	15300	20.273	16.102	46.209	742.138	894.087	0.443	607.979	1347.458	0.999	14.831		
2/15/2018 2:30	16200	20.275	16.102	46.213	742.305	894.288	0.443	608.116	1347.156	0.999	14.83		
2/15/2018 2:45	17100	20.269	16.103	46.2	742.06	893.984	0.443	607.909	1347.6	0.999	14.834		
2/15/2018 3:00	18000	20.282	16.102	46.23	741.794	893.667	0.443	607.694	1348.083	0.999	14.826		
2/15/2018 3:15	18900	20.281	16.102	46.226	742.033	893.963	0.443	607.895	1347.649	0.999	14.825		
2/15/2018 3:30	19800	20.271	16.103	46.204	741.968	893.875	0.443	607.835	1347.767	0.999	14.831		
2/15/2018 3:45	20700	20.28	16.102	46.223	741.739	893.602	0.443	607.65	1348.184	0.999	14.824		
2/15/2018 4:00	21600	20.279	16.103	46.222	741.901	893.787	0.443	607.775	1347.888	0.999	14.823		
2/15/2018 4:15	22500	20.264	16.103	46.189	741.628	893.456	0.443	607.55	1348.386	0.999	14.832		
2/15/2018 4:30	23400	20.276	16.103	46.214	741.643	893.467	0.443	607.558	1348.358	0.999	14.825		
2/15/2018 4:45	24300	20.283	16.102	46.232	741.702	893.562	0.443	607.622	1348.25	0.999	14.82		
2/15/2018 5:00	25200	20.276	16.102	46.214	741.76	893.629	0.443	607.668	1348.146	0.999	14.825		
2/15/2018 5:15	26100	20.271	16.102	46.204	741.628	893.469	0.443	607.559	1348.385	0.999	14.831		
2/15/2018 5:30	27000	20.277	16.103	46.218	741.681	893.526	0.443	607.598	1348.288	0.999	14.824		
2/15/2018 5:45	27900	20.272	16.103	46.205	741.256	893.014	0.443	607.25	1349.061	0.999	14.827		
2/15/2018 6:00	28800	20.274	16.103	46.211	741.645	893.478	0.443	607.565	1348.354	0.999	14.832		

2/15/2018 6:15	29700	20.27	16.103	46.203	741.272	893.031	0.443	607.261	1349.033	0.999	14.829
2/15/2018 6:30	30600	20.269	16.103	46.199	741.484	893.287	0.443	607.435	1348.646	0.999	14.837
2/15/2018 6:45	31500	20.277	16.103	46.217	741.071	892.791	0.443	607.098	1349.398	0.999	14.837
2/15/2018 7:00	32400	20.272	16.103	46.207	741.302	893.066	0.443	607.285	1348.978	0.999	14.844
2/15/2018 7:15	33300	20.268	16.102	46.196	740.951	892.652	0.443	607.003	1349.617	0.999	14.842
2/15/2018 7:30	34200	20.274	16.103	46.21	741.193	892.936	0.443	607.197	1349.176	0.999	14.846
2/15/2018 7:45	35100	20.266	16.102	46.192	741.157	892.905	0.443	607.176	1349.242	0.999	14.853
2/15/2018 8:00	36000	20.275	16.103	46.214	741.216	892.97	0.443	607.219	1349.134	0.999	14.849
2/15/2018 8:15	36900	20.27	16.103	46.201	740.868	892.545	0.442	606.93	1349.768	0.999	14.856
2/15/2018 8:30	37800	20.27	16.102	46.201	740.84	892.53	0.442	606.92	1349.82	0.999	14.854
2/15/2018 8:45	38700	20.264	16.102	46.187	740.849	892.531	0.442	606.921	1349.803	0.999	14.86
2/15/2018 9:00	39600	20.263	16.103	46.185	740.893	892.578	0.442	606.953	1349.722	0.999	14.858
2/15/2018 9:15	40500	20.273	16.102	46.209	740.752	892.417	0.442	606.843	1349.98	0.999	14.859
2/15/2018 9:30	41400	20.264	16.102	46.188	740.876	892.57	0.442	606.948	1349.754	0.999	14.864
2/15/2018 9:45	42300	20.252	16.102	46.161	740.832	892.513	0.442	606.909	1349.834	0.999	14.872
2/15/2018 10:00	43200	20.26	16.103	46.18	740.327	891.885	0.442	606.482	1350.755	0.999	14.87
2/15/2018 10:15	44100	20.27	16.103	46.202	740.56	892.173	0.442	606.678	1350.329	0.999	14.861
2/15/2018 10:30	45000	20.269	16.102	46.2	740.266	891.828	0.442	606.443	1350.866	0.999	14.864
2/15/2018 10:45	45900	20.26	16.103	46.18	740.625	892.256	0.442	606.734	1350.21	0.999	14.864
2/15/2018 11:00	46800	20.264	16.103	46.188	740.333	891.89	0.442	606.485	1350.744	0.999	14.866
2/15/2018 11:15	47700	20.262	16.103	46.182	740.155	891.689	0.442	606.348	1351.069	0.999	14.86
2/15/2018 11:30	48600	20.269	16.103	46.199	740.443	892.033	0.442	606.582	1350.542	0.999	14.853
2/15/2018 11:45	49500	20.268	16.103	46.198	740.338	891.897	0.442	606.49	1350.734	0.999	14.855
2/15/2018 12:00	50400	20.269	16.103	46.2	740.39	891.959	0.442	606.532	1350.64	0.999	14.85
2/15/2018 12:15	51300	20.269	16.104	46.2	740.394	891.957	0.442	606.531	1350.633	0.999	14.852
2/15/2018 12:30	52200	20.264	16.103	46.187	740.082	891.583	0.442	606.276	1351.202	0.999	14.853
2/15/2018 12:45	53100	20.279	16.103	46.223	740.361	891.921	0.442	606.507	1350.692	0.999	14.842
2/15/2018 13:00	54000	20.263	16.104	46.186	740.073	891.554	0.442	606.257	1351.219	0.999	14.847
2/15/2018 13:15	54900	20.266	16.105	46.193	739.938	891.386	0.442	606.143	1351.464	0.999	14.839
2/15/2018 13:30	55800	20.275	16.104	46.213	740.174	891.674	0.442	606.338	1351.033	0.999	14.834
2/15/2018 13:45	56700	20.271	16.105	46.204	740.287	891.808	0.442	606.429	1350.828	0.999	14.837
2/15/2018 14:00	57600	20.268	16.104	46.197	740.031	891.507	0.442	606.225	1351.296	0.999	14.836
2/15/2018 14:15	58500	20.274	16.105	46.21	739.927	891.375	0.442	606.135	1351.485	0.999	14.837
2/15/2018 14:30	59400	20.268	16.105	46.198	739.979	891.437	0.442	606.177	1351.39	0.999	14.832
2/15/2018 14:45	60300	20.267	16.104	46.195	740.147	891.642	0.442	606.316	1351.083	0.999	14.834
2/15/2018 15:00	61200	20.273	16.105	46.207	739.881	891.312	0.442	606.092	1351.569	0.999	14.824
2/15/2018 15:15	62100	20.267	16.105	46.195	740.088	891.563	0.442	606.263	1351.191	0.999	14.826
2/15/2018 15:30	63000	20.264	16.105	46.187	739.755	891.164	0.442	605.991	1351.799	0.999	14.832
2/15/2018 15:45	63900	20.274	16.104	46.21	739.917	891.365	0.442	606.128	1351.502	0.999	14.826
2/15/2018 16:00	64800	20.271	16.105	46.203	740.023	891.478	0.442	606.205	1351.31	0.999	14.827
2/15/2018 16:15	65700	20.272	16.105	46.206	739.713	891.102	0.442	605.95	1351.876	0.999	14.822
2/15/2018 16:30	66600	20.276	16.104	46.214	739.744	891.156	0.442	605.986	1351.82	0.999	14.827
2/15/2018 16:45	67500	20.275	16.105	46.213	739.638	891.017	0.442	605.892	1352.013	0.999	14.827
2/15/2018 17:00	68400	20.258	16.105	46.175	739.801	891.214	0.442	606.025	1351.715	0.999	14.834
2/15/2018 17:15	69300	20.271	16.104	46.204	739.55	890.928	0.442	605.831	1352.173	0.999	14.831
2/15/2018 17:30	70200	20.279	16.104	46.223	739.776	891.196	0.442	606.013	1351.761	0.999	14.827
2/15/2018 17:45	71100	20.265	16.104	46.191	739.734	891.149	0.442	605.981	1351.838	0.999	14.836
2/15/2018 18:00	72000	20.267	16.105	46.195	739.51	890.867	0.442	605.789	1352.247	0.999	14.84
2/15/2018 18:15	72900	20.27	16.104	46.2	739.675	891.08	0.442	605.934	1351.946	0.999	14.84
2/15/2018 18:30	73800	20.274	16.104	46.212	739.648	891.047	0.442	605.912	1351.995	0.999	14.839
2/15/2018 18:45	74700	20.267	16.104	46.194	739.418	890.771	0.442	605.724	1352.415	0.999	14.849
2/15/2018 19:00	75600	20.258	16.105	46.174	739.642	891.031	0.442	605.901	1352.005	0.999	14.848
2/15/2018 19:15	76500	20.261	16.104	46.182	739.629	891.021	0.442	605.894	1352.03	0.999	14.847
2/15/2018 19:30	77400	20.261	16.104	46.181	739.288	890.613	0.441	605.617	1352.652	0.999	14.853
2/15/2018 19:45	78300	20.266	16.104	46.193	739.47	890.828	0.442	605.763	1352.32	0.999	14.848
2/15/2018 20:00	79200	20.267	16.104	46.194	739.51	890.874	0.442	605.795	1352.246	0.999	14.85
2/15/2018 20:15	80100	20.265	16.105	46.19	739.007	890.266	0.441	605.381	1353.167	0.999	14.855
2/15/2018 20:30	81000	20.258	16.105	46.175	739.474	890.828	0.442	605.763	1352.313	0.999	14.864
2/15/2018 20:45	81900	20.265	16.104	46.19	739.11	890.395	0.441	605.468	1352.978	0.999	14.859
2/15/2018 21:00	82800	20.255	16.104	46.168	739.166	890.465	0.441	605.516	1352.876	0.999	14.865
2/15/2018 21:15	83700	20.263	16.104	46.185	739.139	890.431	0.441	605.493	1352.925	0.999	14.867
2/15/2018 21:30	84600	20.265	16.104	46.189	739.089	890.367	0.441	605.45	1353.016	0.999	14.865
2/15/2018 21:45	85500	20.258	16.105	46.175	739.053	890.318	0.441	605.416	1353.083	0.999	14.869
2/15/2018 22:00	86400	20.259	16.105	46.177	739.009	890.265	0.441	605.38	1353.164	0.999	14.869
2/15/2018 22:15	87300	20.265	16.104	46.189	738.961	890.215	0.441	605.346	1353.251	0.999	14.872
2/15/2018 22:30	88200	20.275	16.105	46.212	738.621	889.797	0.441	605.062	1353.875	0.999	14.87
2/15/2018 22:45	89100	20.264	16.105	46.188	738.843	890.068	0.441	605.247	1353.468	0.999	14.872
2/15/2018 23:00	90000	20.257	16.105	46.171	738.737	889.94	0.441	605.159	1353.661	0.999	14.872
2/15/2018 23:15	90900	20.263	16.105	46.186	738.627	889.803	0.441	605.066	1353.864	0.999	14.87
2/15/2018 23:30	91800	20.254	16.105	46.166	738.531	889.693	0.441	604.991	1354.04	0.999	14.877
2/15/2018 23:45	92700	20.265	16.105	46.191	738.664	889.85	0.441	605.098	1353.795	0.999	14.873
2/16/2018 0:00	93600	20.259	16.105	46.177	738.267	889.365	0.441	604.769	1354.524	0.999	14.874
2/16/2018 0:15	94500	20.255	16.105	46.168	738.399	889.524	0.441	604.877	1354.282	0.999	14.869
2/16/2018 0:30	95400	20.261	16.105	46.181	738.334	889.441	0.441	604.82	1354.401	0.999	14.871
2/16/2018 0:45	96300	20.257	16.105	46.171	738.014	889.054	0.441	604.557	1354.988	0.999	14.873
2/16/2018 1:00	97200	20.268	16.105	46.197	738.162	889.232	0.441	604.678	1354.717	0.999	14.865
2/16/2018 1:15	98100	20.271	16.105	46.204	737.844	888.853	0.441	604.42	1355.3	0.999	14.864
2/16/2018 1:30	99000	20.261	16.106	46.182	738.131	889.189	0.441	604.649	1354.774	0.999	14.868
2/16/2018 1:45	99900	20.262	16.105	46.184	737.645	888.615	0.44	604.258	1355.666	0.999	14.862
2/16/2018 2:00	100800	20.262	16.106	46.183	737.968	888.992	0.441	604.514	1355.072	0.999	14.87
2/16/2018 2:15	101700	20.265	16.106	46.19	737.639	888.597	0.44	604.246	1355.677	0.999	14.865
2/16/2018 2:30	102600	20.26	16.106	46.178	737.846	888.846	0.441	604.415	1355.297	0.999	14.858
2/16/2018 2:45	103500	20.264	16.106	46.187	737.53	888.453	0.44	604.148	1355.877	0.999	14.859

2/16/2018 3:00	104400	20.258	16.106	46.175	737.741	888.705	0.44	604.319	1355.49	0.999	14.859
2/16/2018 3:15	105300	20.262	16.106	46.184	737.528	888.451	0.44	604.147	1355.88	0.999	14.853
2/16/2018 3:30	106200	20.261	16.106	46.182	737.255	888.133	0.44	603.93	1356.382	0.999	14.856
2/16/2018 3:45	107100	20.267	16.106	46.194	737.523	888.448	0.44	604.144	1355.891	0.999	14.848
2/16/2018 4:00	108000	20.27	16.107	46.202	737.388	888.275	0.44	604.027	1356.137	0.999	14.841
2/16/2018 4:15	108900	20.26	16.106	46.179	737.418	888.314	0.44	604.054	1356.084	0.999	14.847
2/16/2018 4:30	109800	20.268	16.107	46.196	737.438	888.332	0.44	604.066	1356.046	0.999	14.844
2/16/2018 4:45	110700	20.265	16.106	46.189	737.033	887.848	0.44	603.737	1356.792	0.999	14.846
2/16/2018 5:00	111600	20.257	16.107	46.171	737.32	888.185	0.44	603.966	1356.264	0.999	14.854
2/16/2018 5:15	112500	20.274	16.106	46.211	736.974	887.781	0.44	603.691	1356.9	0.999	14.838
2/16/2018 5:30	113400	20.274	16.107	46.211	737.025	887.832	0.44	603.726	1356.806	0.999	14.839
2/16/2018 5:45	114300	20.27	16.106	46.203	737.048	887.876	0.44	603.756	1356.763	0.999	14.844
2/16/2018 6:00	115200	20.278	16.106	46.221	737.145	887.988	0.44	603.832	1356.584	0.999	14.837
2/16/2018 6:15	116100	20.262	16.106	46.182	736.899	887.699	0.44	603.635	1357.038	0.999	14.845
2/16/2018 6:30	117000	20.269	16.106	46.199	736.696	887.45	0.44	603.466	1357.412	0.999	14.847
2/16/2018 6:45	117900	20.271	16.106	46.204	737	887.82	0.44	603.718	1356.851	0.999	14.852
2/16/2018 7:00	118800	20.268	16.106	46.197	736.649	887.395	0.44	603.429	1357.499	0.999	14.853
2/16/2018 7:15	119700	20.263	16.106	46.186	736.858	887.656	0.44	603.606	1357.114	0.999	14.859
2/16/2018 7:30	120600	20.261	16.105	46.181	736.616	887.368	0.44	603.41	1357.56	0.999	14.857
2/16/2018 7:45	121500	20.256	16.106	46.169	736.697	887.461	0.44	603.474	1357.411	0.999	14.865
2/16/2018 8:00	122400	20.258	16.105	46.175	736.825	887.617	0.44	603.58	1357.175	0.999	14.865
2/16/2018 8:15	123300	20.249	16.106	46.153	736.589	887.333	0.44	603.386	1357.608	0.999	14.871
2/16/2018 8:30	124200	20.266	16.106	46.193	736.445	887.152	0.44	603.263	1357.874	0.999	14.868
2/16/2018 8:45	125100	20.274	16.106	46.211	736.499	887.22	0.44	603.31	1357.775	0.999	14.858
2/16/2018 9:00	126000	20.259	16.105	46.176	736.151	886.815	0.44	603.034	1358.417	0.999	14.862
2/16/2018 9:15	126900	20.269	16.106	46.199	736.689	887.452	0.44	603.467	1357.426	0.999	14.863
2/16/2018 9:30	127800	20.271	16.106	46.203	736.276	886.954	0.44	603.129	1358.187	0.999	14.864
2/16/2018 9:45	128700	20.265	16.106	46.19	736.396	887.098	0.44	603.227	1357.965	0.999	14.867
2/16/2018 10:00	129600	20.27	16.106	46.202	736.314	886.995	0.44	603.156	1358.117	0.999	14.86
2/16/2018 10:15	130500	20.257	16.105	46.171	736.215	886.885	0.44	603.082	1358.299	0.999	14.863
2/16/2018 10:30	131400	20.27	16.106	46.201	736.471	887.188	0.44	603.288	1357.827	0.999	14.857
2/16/2018 10:45	132300	20.256	16.105	46.169	736.071	886.71	0.439	602.963	1358.564	0.999	14.858
2/16/2018 11:00	133200	20.264	16.105	46.187	736.249	886.926	0.44	603.11	1358.236	0.999	14.856
2/16/2018 11:15	134100	20.274	16.105	46.212	736.312	887.002	0.44	603.161	1358.12	0.999	14.847
2/16/2018 11:30	135000	20.269	16.106	46.2	736.107	886.743	0.439	602.985	1358.497	0.999	14.849
2/16/2018 11:45	135900	20.274	16.106	46.21	736.021	886.637	0.439	602.914	1358.656	0.999	14.84
2/16/2018 12:00	136800	20.271	16.106	46.205	736.14	886.773	0.439	603.006	1358.437	0.999	14.837
2/16/2018 12:15	137700	20.272	16.106	46.207	736.148	886.782	0.439	603.012	1358.423	0.999	14.836
2/16/2018 12:30	138600	20.273	16.106	46.209	736.101	886.728	0.439	602.975	1358.509	0.999	14.83
2/16/2018 12:45	139500	20.269	16.107	46.199	736.115	886.737	0.439	602.981	1358.484	0.999	14.831
2/16/2018 13:00	140400	20.279	16.107	46.222	735.853	886.417	0.439	602.763	1358.967	0.999	14.822
2/16/2018 13:15	141300	20.27	16.107	46.202	736.078	886.679	0.439	602.942	1358.551	0.999	14.824
2/16/2018 13:30	142200	20.275	16.107	46.213	735.801	886.35	0.439	602.718	1359.063	0.999	14.818
2/16/2018 13:45	143100	20.261	16.108	46.182	736.002	886.582	0.439	602.876	1358.692	0.999	14.814
2/16/2018 14:00	144000	20.275	16.107	46.213	736.08	886.692	0.439	602.951	1358.547	0.999	14.809
2/16/2018 14:15	144900	20.281	16.108	46.226	735.709	886.233	0.439	602.638	1359.232	0.999	14.812
2/16/2018 14:30	145800	20.273	16.108	46.209	735.927	886.495	0.439	602.817	1358.83	0.999	14.812
2/16/2018 14:45	146700	20.264	16.108	46.187	735.575	886.071	0.439	602.528	1359.48	0.999	14.812
2/16/2018 15:00	147600	20.259	16.108	46.177	735.937	886.503	0.439	602.822	1358.813	0.999	14.818
2/16/2018 15:15	148500	20.278	16.107	46.22	735.727	886.255	0.439	602.654	1359.201	0.999	14.805
2/16/2018 15:30	149400	20.276	16.107	46.216	735.619	886.127	0.439	602.567	1359.399	0.999	14.801
2/16/2018 15:45	150300	20.282	16.108	46.228	735.769	886.304	0.439	602.687	1359.123	0.999	14.801
2/16/2018 16:00	151200	20.267	16.107	46.196	735.754	886.293	0.439	602.68	1359.151	0.999	14.808
2/16/2018 16:15	152100	20.275	16.107	46.213	735.843	886.405	0.439	602.756	1358.985	0.999	14.803
2/16/2018 16:30	153000	20.265	16.107	46.19	735.411	885.882	0.439	602.4	1359.784	0.999	14.807
2/16/2018 16:45	153900	20.272	16.107	46.207	735.681	886.215	0.439	602.626	1359.285	0.999	14.799
2/16/2018 17:00	154800	20.276	16.107	46.214	735.696	886.23	0.439	602.636	1359.257	0.999	14.8
2/16/2018 17:15	155700	20.263	16.107	46.186	735.109	885.522	0.439	602.155	1360.343	0.999	14.806
2/16/2018 17:30	156600	20.276	16.106	46.216	735.551	886.063	0.439	602.523	1359.525	0.999	14.799
2/16/2018 17:45	157500	20.273	16.107	46.208	735.174	885.604	0.439	602.211	1360.223	0.999	14.796
2/16/2018 18:00	158400	20.279	16.107	46.222	735.516	886.014	0.439	602.49	1359.589	0.999	14.796
2/16/2018 18:15	159300	20.272	16.107	46.205	735.34	885.799	0.439	602.343	1359.916	0.999	14.8
2/16/2018 18:30	160200	20.27	16.106	46.201	735.101	885.524	0.439	602.156	1360.357	0.999	14.803
2/16/2018 18:45	161100	20.276	16.107	46.216	735.361	885.833	0.439	602.366	1359.877	0.999	14.799
2/16/2018 19:00	162000	20.276	16.106	46.214	735.231	885.686	0.439	602.266	1360.116	0.999	14.8
2/16/2018 19:15	162900	20.272	16.106	46.206	735.296	885.76	0.439	602.317	1359.996	0.999	14.807
2/16/2018 19:30	163800	20.275	16.106	46.213	734.95	885.347	0.439	602.036	1360.636	0.999	14.804
2/16/2018 19:45	164700	20.27	16.106	46.202	735.003	885.406	0.439	602.076	1360.538	0.999	14.809
2/16/2018 20:00	165600	20.262	16.106	46.183	734.952	885.358	0.439	602.043	1360.634	0.999	14.811
2/16/2018 20:15	166500	20.266	16.105	46.192	734.938	885.347	0.439	602.036	1360.659	0.999	14.81
2/16/2018 20:30	167400	20.272	16.106	46.205	734.602	884.937	0.439	601.757	1361.281	0.999	14.815
2/16/2018 20:45	168300	20.266	16.106	46.191	734.92	885.314	0.439	602.014	1360.693	0.999	14.813
2/16/2018 21:00	169200	20.264	16.106	46.189	734.592	884.917	0.439	601.744	1361.3	0.999	14.814
2/16/2018 21:15	170100	20.276	16.106	46.215	734.938	885.331	0.439	602.025	1360.659	0.999	14.811
2/16/2018 21:30	171000	20.27	16.106	46.2	734.561	884.889	0.439	601.725	1361.357	0.999	14.814
2/16/2018 21:45	171900	20.266	16.105	46.192	734.487	884.808	0.438	601.67	1361.495	0.999	14.818
2/16/2018 22:00	172800	20.274	16.106	46.211	734.479	884.789	0.438	601.656	1361.509	0.999	14.814
2/16/2018 22:15	173700	20.265	16.105	46.19	734.473	884.786	0.438	601.655	1361.521	0.999	14.816
2/16/2018 22:30	174600	20.259	16.105	46.178	734.63	884.979	0.439	601.786	1361.229	0.999	14.822
2/16/2018 22:45	175500	20.271	16.105	46.204	734.177	884.432	0.438	601.414	1362.069	0.999	14.817
2/16/2018 23:00	176400	20.262	16.105	46.183	734.363	884.655	0.438	601.566	1361.725	0.999	14.815
2/16/2018 23:15	177300	20.267	16.106	46.195	733.996	884.203	0.438	601.258	1362.405	0.999	14.817
2/16/2018 23:30	178200	20.258	16.106	46.174	734.338	884.616	0.438	601.539	1361.771	0.999	14.821

2/16/2018 23:45	179100	20.263	16.106	46.185	734.257	884.513	0.438	601.469	1361.92	0.999	14.815
2/17/2018 0:00	180000	20.268	16.106	46.197	734.156	884.386	0.438	601.382	1362.107	0.999	14.821
2/17/2018 0:15	180900	20.265	16.106	46.19	734.189	884.43	0.438	601.412	1362.047	0.999	14.82
2/17/2018 0:30	181800	20.255	16.106	46.168	733.94	884.132	0.438	601.21	1362.509	0.999	14.822
2/17/2018 0:45	182700	20.262	16.106	46.183	734.183	884.419	0.438	601.405	1362.058	0.999	14.818
2/17/2018 1:00	183600	20.269	16.106	46.2	733.957	884.151	0.438	601.223	1362.478	0.999	14.82
2/17/2018 1:15	184500	20.27	16.106	46.201	733.856	884.025	0.438	601.137	1362.666	0.999	14.816
2/17/2018 1:30	185400	20.271	16.107	46.204	733.997	884.186	0.438	601.247	1362.404	0.999	14.817
2/17/2018 1:45	186300	20.268	16.107	46.197	733.915	884.086	0.438	601.178	1362.555	0.999	14.813
2/17/2018 2:00	187200	20.26	16.107	46.178	734.06	884.264	0.438	601.299	1362.286	0.999	14.817
2/17/2018 2:15	188100	20.256	16.107	46.17	733.719	883.854	0.438	601.02	1362.919	0.999	14.819
2/17/2018 2:30	189000	20.265	16.107	46.19	733.869	884.036	0.438	601.144	1362.641	0.999	14.813
2/17/2018 2:45	189900	20.269	16.107	46.2	733.542	883.64	0.438	600.875	1363.249	0.999	14.814
2/17/2018 3:00	190800	20.26	16.107	46.179	733.701	883.824	0.438	601	1362.953	0.999	14.811
2/17/2018 3:15	191700	20.262	16.107	46.183	733.701	883.826	0.438	601.002	1362.953	0.999	14.816
2/17/2018 3:30	192600	20.272	16.107	46.207	733.737	883.872	0.438	601.033	1362.886	0.999	14.811
2/17/2018 3:45	193500	20.251	16.107	46.159	733.448	883.529	0.438	600.8	1363.423	0.999	14.815
2/17/2018 4:00	194400	20.262	16.107	46.183	733.612	883.719	0.438	600.929	1363.118	0.999	14.81
2/17/2018 4:15	195300	20.275	16.107	46.212	733.558	883.658	0.438	600.887	1363.218	0.999	14.801
2/17/2018 4:30	196200	20.266	16.107	46.193	733.597	883.701	0.438	600.917	1363.146	0.999	14.804
2/17/2018 4:45	197100	20.272	16.107	46.206	733.45	883.519	0.438	600.793	1363.419	0.999	14.8
2/17/2018 5:00	198000	20.269	16.107	46.2	733.51	883.585	0.438	600.838	1363.209	0.999	14.798
2/17/2018 5:15	198900	20.28	16.107	46.225	733.071	883.062	0.438	600.482	1364.125	0.999	14.792
2/17/2018 5:30	199800	20.266	16.107	46.192	733.404	883.465	0.438	600.756	1363.505	0.999	14.798
2/17/2018 5:45	200700	20.272	16.107	46.206	733.303	883.337	0.438	600.669	1363.693	0.999	14.796
2/17/2018 6:00	201600	20.265	16.107	46.189	733.349	883.391	0.438	600.706	1363.608	0.999	14.8
2/17/2018 6:15	202500	20.276	16.107	46.214	733.318	883.357	0.438	600.683	1363.665	0.999	14.796
2/17/2018 6:30	203400	20.277	16.107	46.218	733.308	883.349	0.438	600.677	1363.684	0.999	14.79
2/17/2018 6:45	204300	20.265	16.107	46.19	733.209	883.228	0.438	600.595	1363.867	0.999	14.804
2/17/2018 7:00	205200	20.27	16.106	46.202	733.242	883.284	0.438	600.633	1363.806	0.999	14.801
2/17/2018 7:15	206100	20.272	16.107	46.205	732.987	882.968	0.438	600.418	1364.28	0.999	14.803
2/17/2018 7:30	207000	20.271	16.107	46.203	732.953	882.927	0.438	600.391	1364.344	0.999	14.8
2/17/2018 7:45	207900	20.261	16.107	46.18	733.138	883.153	0.438	600.544	1364	0.999	14.805
2/17/2018 8:00	208800	20.265	16.107	46.19	733.087	883.081	0.438	600.495	1364.094	0.999	14.81
2/17/2018 8:15	209700	20.262	16.107	46.182	733.104	883.103	0.438	600.51	1364.064	0.999	14.808
2/17/2018 8:30	210600	20.266	16.107	46.192	733.123	883.132	0.438	600.53	1364.027	0.999	14.807
2/17/2018 8:45	211500	20.26	16.107	46.178	732.884	882.846	0.437	600.335	1364.472	0.999	14.816
2/17/2018 9:00	212400	20.265	16.107	46.191	732.898	882.864	0.437	600.347	1364.447	0.999	14.81
2/17/2018 9:15	213300	20.259	16.107	46.176	732.905	882.867	0.437	600.35	1364.434	0.999	14.81
2/17/2018 9:30	214200	20.263	16.107	46.186	733.052	883.05	0.438	600.474	1364.159	0.999	14.813
2/17/2018 9:45	215100	20.265	16.107	46.19	732.972	882.938	0.438	600.398	1364.309	0.999	14.807
2/17/2018 10:00	216000	20.264	16.107	46.189	733.023	883.006	0.438	600.444	1364.213	0.999	14.811
2/17/2018 10:15	216900	20.259	16.108	46.178	732.731	882.641	0.437	600.196	1364.758	0.999	14.813
2/17/2018 10:30	217800	20.267	16.107	46.194	733.016	882.996	0.438	600.437	1364.226	0.999	14.806
2/17/2018 10:45	218700	20.258	16.108	46.174	732.756	882.672	0.437	600.217	1364.711	0.999	14.807
2/17/2018 11:00	219600	20.259	16.108	46.176	733.039	883.007	0.438	600.445	1364.184	0.999	14.811
2/17/2018 11:15	220500	20.257	16.107	46.171	732.755	882.678	0.437	600.221	1364.712	0.999	14.805
2/17/2018 11:30	221400	20.26	16.108	46.18	732.844	882.781	0.437	600.291	1364.548	0.999	14.806
2/17/2018 11:45	222300	20.265	16.108	46.189	732.781	882.701	0.437	600.237	1364.665	0.999	14.802
2/17/2018 12:00	223200	20.266	16.108	46.192	732.855	882.787	0.437	600.295	1364.527	0.999	14.797
2/17/2018 12:15	224100	20.277	16.108	46.218	732.802	882.726	0.437	600.253	1364.624	0.999	14.783
2/17/2018 12:30	225000	20.264	16.108	46.188	732.588	882.458	0.437	600.072	1365.024	0.999	14.793
2/17/2018 12:45	225900	20.269	16.108	46.198	732.923	882.859	0.437	600.344	1364.399	0.999	14.78
2/17/2018 13:00	226800	20.271	16.109	46.203	732.528	882.379	0.437	600.018	1365.136	0.999	14.78
2/17/2018 13:15	227700	20.269	16.109	46.2	732.463	882.292	0.437	599.959	1365.256	0.999	14.779
2/17/2018 13:30	228600	20.267	16.109	46.194	732.8	882.691	0.437	600.23	1364.629	0.999	14.78
2/17/2018 13:45	229500	20.276	16.11	46.215	732.477	882.298	0.437	599.962	1365.231	0.999	14.766
2/17/2018 14:00	230400	20.27	16.109	46.202	732.589	882.435	0.437	600.056	1365.021	0.999	14.775
2/17/2018 14:15	231300	20.27	16.109	46.201	732.516	882.356	0.437	600.002	1365.157	0.999	14.773
2/17/2018 14:30	232200	20.275	16.109	46.212	732.624	882.493	0.437	600.096	1364.956	0.999	14.767
2/17/2018 14:45	233100	20.273	16.109	46.208	732.381	882.2	0.437	599.896	1365.41	0.999	14.769
2/17/2018 15:00	234000	20.275	16.109	46.214	732.615	882.484	0.437	600.089	1364.974	0.999	14.77
2/17/2018 15:15	234900	20.27	16.109	46.202	732.291	882.092	0.437	599.823	1365.577	0.999	14.768
2/17/2018 15:30	235800	20.274	16.108	46.211	732.58	882.443	0.437	600.061	1365.039	0.999	14.767
2/17/2018 15:45	236700	20.273	16.109	46.209	732.327	882.13	0.437	599.849	1365.51	0.999	14.767
2/17/2018 16:00	237600	20.277	16.108	46.217	732.352	882.174	0.437	599.878	1365.464	0.999	14.764
2/17/2018 16:15	238500	20.271	16.108	46.204	732.411	882.254	0.437	599.933	1365.353	0.999	14.769
2/17/2018 16:30	239400	20.268	16.107	46.197	732.333	882.168	0.437	599.874	1365.498	0.999	14.77
2/17/2018 16:45	240300	20.28	16.107	46.223	732.26	882.089	0.437	599.821	1365.634	0.999	14.76
2/17/2018 17:00	241200	20.263	16.107	46.187	732.365	882.208	0.437	599.901	1365.439	0.999	14.771
2/17/2018 17:15	242100	20.279	16.107	46.222	732.247	882.068	0.437	599.806	1365.659	0.999	14.76
2/17/2018 17:30	243000	20.272	16.107	46.206	732.004	881.78	0.437	599.61	1366.113	0.999	14.763
2/17/2018 17:45	243900	20.27	16.107	46.203	732.185	882	0.437	599.76	1365.775	0.999	14.764
2/17/2018 18:00	244800	20.272	16.107	46.205	732.127	881.933	0.437	599.715	1365.884	0.999	14.759
2/17/2018 18:15	245700	20.27	16.107	46.202	732.214	882.035	0.437	599.784	1365.721	0.999	14.764
2/17/2018 18:30	246600	20.271	16.106	46.203	732.145	881.965	0.437	599.736	1365.849	0.999	14.765
2/17/2018 18:45	247500	20.274	16.106	46.212	731.898	881.666	0.437	599.533	1366.311	0.999	14.759
2/17/2018 19:00	248400	20.27	16.105	46.201	731.66	881.401	0.437	599.353	1366.756	0.999	14.757
2/17/2018 19:15	249300	20.268	16.106	46.198	731.892	881.67	0.437	599.535	1366.322	0.999	14.757
2/17/2018 19:30	250200	20.28	16.106	46.225	731.833	881.603	0.437	599.49	1366.431	0.999	14.759
2/17/2018 19:45	251100	20.271	16.105	46.204	731.755	881.522	0.437	599.435	1366.577	0.999	14.76
2/17/2018 20:00	252000	20.277	16.106	46.217	731.801	881.559	0.437	599.46	1366.492	0.999	14.755
2/17/2018 20:15	252900	20.272	16.105	46.206	731.677	881.433	0.437	599.374	1366.723	0.999	14.754

2/17/2018 20:30	253800	20.279	16.105	46.222	731.358	881.046	0.437	599.112	1367.32	0.999	14.752
2/17/2018 20:45	254700	20.278	16.105	46.22	731.585	881.318	0.437	599.297	1366.895	0.999	14.748
2/17/2018 21:00	255600	20.277	16.104	46.217	731.594	881.342	0.437	599.312	1366.878	0.999	14.752
2/17/2018 21:15	256500	20.277	16.105	46.217	731.383	881.071	0.437	599.128	1367.273	0.999	14.751
2/17/2018 21:30	257400	20.283	16.104	46.231	731.436	881.151	0.437	599.183	1367.174	0.999	14.75
2/17/2018 21:45	258300	20.28	16.104	46.225	731.25	880.929	0.436	599.032	1367.521	0.999	14.751
2/17/2018 22:00	259200	20.277	16.104	46.217	731.455	881.181	0.437	599.203	1367.139	0.999	14.748
2/17/2018 22:15	260100	20.282	16.103	46.229	731.374	881.098	0.437	599.147	1367.289	0.999	14.746
2/17/2018 22:30	261000	20.269	16.104	46.2	731.366	881.078	0.437	599.133	1367.304	0.999	14.751
2/17/2018 22:45	261900	20.272	16.103	46.207	731.371	881.094	0.437	599.144	1367.296	0.999	14.752
2/17/2018 23:00	262800	20.269	16.103	46.199	731.305	881.019	0.437	599.093	1367.419	0.999	14.753
2/17/2018 23:15	263700	20.272	16.102	46.206	731.373	881.112	0.437	599.156	1367.292	0.999	14.75
2/17/2018 23:30	264600	20.277	16.103	46.216	731.065	880.738	0.436	598.902	1367.868	0.999	14.755
2/17/2018 23:45	265500	20.271	16.102	46.205	731.242	880.954	0.436	599.049	1367.537	0.999	14.758
2/18/2018 0:00	266400	20.268	16.102	46.198	731.258	880.988	0.437	599.072	1367.507	0.999	14.754
2/18/2018 0:15	267300	20.275	16.102	46.214	731.099	880.795	0.436	598.941	1367.804	0.999	14.753
2/18/2018 0:30	268200	20.277	16.102	46.218	730.866	880.514	0.436	598.75	1368.24	0.999	14.747
2/18/2018 0:45	269100	20.281	16.102	46.228	730.929	880.594	0.436	598.804	1368.122	0.999	14.743
2/18/2018 1:00	270000	20.273	16.102	46.208	730.984	880.66	0.436	598.849	1368.019	0.999	14.746
2/18/2018 1:15	270900	20.269	16.102	46.2	731.04	880.728	0.436	598.895	1367.914	0.999	14.751
2/18/2018 1:30	271800	20.275	16.101	46.214	730.99	880.673	0.436	598.858	1368.008	0.999	14.746
2/18/2018 1:45	272700	20.274	16.101	46.211	730.927	880.6	0.436	598.808	1368.126	0.999	14.744
2/18/2018 2:00	273600	20.27	16.101	46.201	731.045	880.739	0.436	598.903	1367.904	0.999	14.748
2/18/2018 2:15	274500	20.277	16.101	46.218	730.656	880.275	0.436	598.587	1368.634	0.999	14.74
2/18/2018 2:30	275400	20.276	16.1	46.216	730.927	880.618	0.436	598.82	1368.126	0.999	14.74
2/18/2018 2:45	276300	20.271	16.101	46.205	731.066	880.772	0.436	598.925	1367.865	0.999	14.74
2/18/2018 3:00	277200	20.283	16.1	46.231	730.717	880.365	0.436	598.648	1368.519	0.999	14.736
2/18/2018 3:15	278100	20.274	16.1	46.211	730.856	880.529	0.436	598.76	1368.259	0.999	14.742
2/18/2018 3:30	279000	20.278	16.101	46.219	730.926	880.612	0.436	598.816	1368.127	0.999	14.738
2/18/2018 3:45	279900	20.277	16.101	46.219	730.613	880.231	0.436	598.557	1368.714	0.999	14.739
2/18/2018 4:00	280800	20.279	16.101	46.222	730.782	880.438	0.436	598.698	1368.397	0.999	14.736
2/18/2018 4:15	281700	20.27	16.1	46.201	730.875	880.557	0.436	598.779	1368.223	0.999	14.738
2/18/2018 4:30	282600	20.275	16.1	46.214	730.499	880.102	0.436	598.47	1368.927	0.999	14.734
2/18/2018 4:45	283500	20.287	16.1	46.241	730.86	880.539	0.436	598.766	1368.251	0.999	14.736
2/18/2018 5:00	284400	20.273	16.1	46.208	730.642	880.285	0.436	598.594	1368.66	0.999	14.74
2/18/2018 5:15	285300	20.278	16.099	46.22	730.828	880.517	0.436	598.751	1368.311	0.999	14.743
2/18/2018 5:30	286200	20.277	16.099	46.218	730.627	880.283	0.436	598.592	1368.688	0.999	14.745
2/18/2018 5:45	287100	20.276	16.099	46.216	730.493	880.12	0.436	598.481	1368.939	0.999	14.74
2/18/2018 6:00	288000	20.272	16.099	46.206	730.718	880.395	0.436	598.669	1368.517	0.999	14.752
2/18/2018 6:15	288900	20.276	16.098	46.214	730.745	880.436	0.436	598.696	1368.467	0.999	14.744
2/18/2018 6:30	289800	20.275	16.099	46.212	730.711	880.386	0.436	598.662	1368.531	0.999	14.746
2/18/2018 6:45	290700	20.273	16.099	46.207	730.501	880.129	0.436	598.488	1368.924	0.999	14.741
2/18/2018 7:00	291600	20.276	16.099	46.215	730.529	880.168	0.436	598.515	1368.872	0.999	14.742
2/18/2018 7:15	292500	20.273	16.099	46.208	730.56	880.21	0.436	598.543	1368.813	0.999	14.744
2/18/2018 7:30	293400	20.277	16.099	46.216	730.6	880.256	0.436	598.574	1368.738	0.999	14.739
2/18/2018 7:45	294300	20.274	16.099	46.211	730.745	880.433	0.436	598.694	1368.467	0.999	14.748
2/18/2018 8:00	295200	20.275	16.098	46.212	730.413	880.044	0.436	598.43	1369.089	0.999	14.745
2/18/2018 8:15	296100	20.272	16.098	46.207	730.585	880.247	0.436	598.568	1368.766	0.999	14.755
2/18/2018 8:30	297000	20.28	16.098	46.224	730.697	880.381	0.436	598.659	1368.556	0.999	14.745
2/18/2018 8:45	297900	20.263	16.098	46.187	730.52	880.167	0.436	598.514	1368.887	0.999	14.755
2/18/2018 9:00	298800	20.276	16.098	46.216	730.368	879.986	0.436	598.39	1369.173	0.999	14.749
2/18/2018 9:15	299700	20.276	16.098	46.216	730.64	880.321	0.436	598.618	1368.662	0.999	14.748
2/18/2018 9:30	300600	20.275	16.098	46.212	730.603	880.271	0.436	598.584	1368.732	0.999	14.754
2/18/2018 9:45	301500	20.278	16.098	46.221	730.602	880.279	0.436	598.59	1368.735	0.999	14.754
2/18/2018 10:00	302400	20.279	16.098	46.221	730.678	880.372	0.436	598.653	1368.592	0.999	14.747
2/18/2018 10:15	303300	20.262	16.098	46.182	730.533	880.199	0.436	598.535	1368.864	0.999	14.761
2/18/2018 10:30	304200	20.275	16.098	46.214	730.564	880.233	0.436	598.559	1368.806	0.999	14.756
2/18/2018 10:45	305100	20.28	16.098	46.225	730.479	880.134	0.436	598.491	1368.964	0.999	14.751
2/18/2018 11:00	306000	20.274	16.098	46.211	730.633	880.314	0.436	598.613	1368.677	0.999	14.756
2/18/2018 11:15	306900	20.279	16.098	46.223	730.652	880.342	0.436	598.632	1368.641	0.999	14.751
2/18/2018 11:30	307800	20.278	16.098	46.221	730.722	880.414	0.436	598.681	1368.51	0.999	14.748
2/18/2018 11:45	308700	20.284	16.098	46.234	730.734	880.429	0.436	598.692	1368.486	0.999	14.743
2/18/2018 12:00	309600	20.266	16.098	46.193	730.518	880.181	0.436	598.523	1368.891	0.999	14.75
2/18/2018 12:15	310500	20.278	16.098	46.219	730.76	880.462	0.436	598.714	1368.437	0.999	14.738
2/18/2018 12:30	311400	20.268	16.099	46.197	730.611	880.266	0.436	598.581	1368.717	0.999	14.745
2/18/2018 12:45	312300	20.273	16.098	46.209	730.679	880.362	0.436	598.646	1368.591	0.999	14.742
2/18/2018 13:00	313200	20.276	16.099	46.216	730.556	880.205	0.436	598.539	1368.821	0.999	14.734
2/18/2018 13:15	314100	20.283	16.099	46.231	730.734	880.419	0.436	598.685	1368.487	0.999	14.73
2/18/2018 13:30	315000	20.289	16.1	46.245	730.799	880.48	0.436	598.726	1368.365	0.999	14.726
2/18/2018 13:45	315900	20.276	16.1	46.215	730.829	880.516	0.436	598.751	1368.308	0.999	14.724
2/18/2018 14:00	316800	20.281	16.1	46.227	730.896	880.595	0.436	598.805	1368.183	0.999	14.724
2/18/2018 14:15	317700	20.277	16.1	46.218	730.552	880.174	0.436	598.518	1368.827	0.999	14.722
2/18/2018 14:30	318600	20.278	16.1	46.219	730.934	880.637	0.436	598.833	1368.112	0.999	14.728
2/18/2018 14:45	319500	20.286	16.099	46.237	730.657	880.313	0.436	598.613	1368.631	0.999	14.725
2/18/2018 15:00	320400	20.266	16.1	46.192	730.99	880.71	0.436	598.883	1368.007	0.999	14.727
2/18/2018 15:15	321300	20.28	16.099	46.225	730.607	880.254	0.436	598.573	1368.725	0.999	14.724
2/18/2018 15:30	322200	20.283	16.099	46.232	730.928	880.643	0.436	598.837	1368.123	0.999	14.718
2/18/2018 15:45	323100	20.272	16.1	46.206	730.892	880.59	0.436	598.802	1368.191	0.999	14.725
2/18/2018 16:00	324000	20.284	16.1	46.232	730.867	880.562	0.436	598.782	1368.237	0.999	14.721
2/18/2018 16:15	324900	20.276	16.099	46.214	731.013	880.746	0.436	598.907	1367.965	0.999	14.725
2/18/2018 16:30	325800	20.285	16.099	46.235	730.617	880.273	0.436	598.586	1368.706	0.999	14.723
2/18/2018 16:45	326700	20.274	16.099	46.212	730.933	880.645	0.436	598.839	1368.114	0.999	14.731
2/18/2018 17:00	327600	20.284	16.099	46.234	730.772	880.46	0.436	598.713	1368.415	0.999	14.721

2/18/2018 17:15	328500	20.279	16.099	46.223	731.084	880.843	0.436	598.973	1367.832	0.999	14.725
2/18/2018 17:30	329400	20.277	16.099	46.217	730.845	880.546	0.436	598.771	1368.28	0.999	14.719
2/18/2018 17:45	330300	20.27	16.099	46.202	731.099	880.861	0.436	598.985	1367.804	0.999	14.725
2/18/2018 18:00	331200	20.279	16.098	46.222	730.935	880.668	0.436	598.854	1368.111	0.999	14.726
2/18/2018 18:15	332100	20.281	16.099	46.227	730.824	880.525	0.436	598.757	1368.319	0.999	14.724
2/18/2018 18:30	333000	20.277	16.099	46.217	731.057	880.804	0.436	598.947	1367.882	0.999	14.726
2/18/2018 18:45	333900	20.28	16.098	46.225	731.193	880.979	0.437	599.066	1367.628	0.999	14.726
2/18/2018 19:00	334800	20.278	16.099	46.22	731.023	880.763	0.436	598.919	1367.947	0.999	14.725
2/18/2018 19:15	335700	20.283	16.098	46.232	730.942	880.677	0.436	598.861	1368.097	0.999	14.725
2/18/2018 19:30	336600	20.284	16.098	46.233	731.057	880.814	0.436	598.953	1367.883	0.999	14.721
2/18/2018 19:45	337500	20.276	16.099	46.215	731.005	880.739	0.436	598.903	1367.979	0.999	14.727
2/18/2018 20:00	338400	20.282	16.099	46.229	731.243	881.029	0.437	599.1	1367.535	0.999	14.724
2/18/2018 20:15	339300	20.275	16.099	46.212	731.193	880.965	0.437	599.056	1367.629	0.999	14.731
2/18/2018 20:30	340200	20.281	16.099	46.228	731.237	881.026	0.437	599.098	1367.545	0.999	14.722
2/18/2018 20:45	341100	20.283	16.099	46.23	731.111	880.87	0.436	598.992	1367.782	0.999	14.73
2/18/2018 21:00	342000	20.279	16.099	46.222	731.017	880.759	0.436	598.916	1367.957	0.999	14.731
2/18/2018 21:15	342900	20.284	16.099	46.234	731.293	881.087	0.437	599.139	1367.442	0.999	14.729
2/18/2018 21:30	343800	20.278	16.098	46.219	731.285	881.09	0.437	599.141	1367.456	0.999	14.73
2/18/2018 21:45	344700	20.276	16.099	46.215	731.34	881.15	0.437	599.182	1367.352	0.999	14.733
2/18/2018 22:00	345600	20.27	16.099	46.202	731.147	880.909	0.436	599.018	1367.713	0.999	14.734
2/18/2018 22:15	346500	20.268	16.099	46.196	731.421	881.244	0.437	599.246	1367.202	0.999	14.736
2/18/2018 22:30	347400	20.277	16.1	46.218	731.219	880.986	0.437	599.07	1367.579	0.999	14.736
2/18/2018 22:45	348300	20.273	16.099	46.207	731.563	881.411	0.437	599.359	1366.937	0.999	14.732
2/18/2018 23:00	349200	20.28	16.099	46.225	731.172	880.94	0.436	599.039	1367.667	0.999	14.73
2/18/2018 23:15	350100	20.276	16.099	46.216	731.552	881.398	0.437	599.351	1366.957	0.999	14.727
2/18/2018 23:30	351000	20.27	16.099	46.202	731.222	881.001	0.437	599.081	1367.575	0.999	14.734
2/18/2018 23:45	351900	20.276	16.099	46.215	731.334	881.137	0.437	599.173	1367.364	0.999	14.729
2/19/2018 0:00	352800	20.27	16.099	46.203	731.202	880.977	0.437	599.064	1367.61	0.999	14.738
2/19/2018 0:15	353700	20.27	16.099	46.201	731.48	881.309	0.437	599.29	1367.092	0.999	14.732
2/19/2018 0:30	354600	20.284	16.099	46.234	731.47	881.29	0.437	599.277	1367.11	0.999	14.728
2/19/2018 0:45	355500	20.274	16.099	46.21	731.463	881.287	0.437	599.275	1367.123	0.999	14.736
2/19/2018 1:00	356400	20.269	16.099	46.2	731.245	881.026	0.437	599.097	1367.531	0.999	14.735
2/19/2018 1:15	357300	20.27	16.1	46.202	731.394	881.196	0.437	599.214	1367.252	0.999	14.734
2/19/2018 1:30	358200	20.277	16.099	46.218	731.48	881.307	0.437	599.289	1367.092	0.999	14.733
2/19/2018 1:45	359100	20.265	16.099	46.191	731.196	880.962	0.436	599.054	1367.622	0.999	14.739
2/19/2018 2:00	360000	20.272	16.099	46.205	731.607	881.462	0.437	599.394	1366.854	0.999	14.732
2/19/2018 2:15	360900	20.273	16.1	46.209	731.362	881.158	0.437	599.187	1367.313	0.999	14.738
2/19/2018 2:30	361800	20.271	16.1	46.204	731.225	880.988	0.437	599.072	1367.568	0.999	14.733
2/19/2018 2:45	362700	20.268	16.099	46.198	731.487	881.311	0.437	599.292	1367.078	0.999	14.733
2/19/2018 3:00	363600	20.276	16.099	46.215	731.381	881.197	0.437	599.214	1367.277	0.999	14.726
2/19/2018 3:15	364500	20.273	16.1	46.208	731.448	881.258	0.437	599.256	1367.151	0.999	14.722
2/19/2018 3:30	365400	20.272	16.1	46.207	731.425	881.23	0.437	599.237	1367.195	0.999	14.725
2/19/2018 3:45	366300	20.277	16.099	46.217	731.554	881.392	0.437	599.346	1366.953	0.999	14.726
2/19/2018 4:00	367200	20.267	16.1	46.195	731.409	881.212	0.437	599.224	1367.224	0.999	14.728
2/19/2018 4:15	368100	20.271	16.1	46.203	731.53	881.349	0.437	599.318	1366.998	0.999	14.724
2/19/2018 4:30	369000	20.27	16.1	46.202	731.459	881.256	0.437	599.254	1367.13	0.999	14.727
2/19/2018 4:45	369900	20.272	16.101	46.207	731.658	881.494	0.437	599.416	1366.759	0.999	14.723
2/19/2018 5:00	370800	20.282	16.101	46.23	731.487	881.282	0.437	599.272	1367.078	0.999	14.719
2/19/2018 5:15	371700	20.277	16.101	46.217	731.296	881.054	0.437	599.117	1367.436	0.999	14.722
2/19/2018 5:30	372600	20.269	16.101	46.2	731.585	881.403	0.437	599.354	1366.896	0.999	14.723
2/19/2018 5:45	373500	20.279	16.101	46.222	731.539	881.35	0.437	599.318	1366.982	0.999	14.723
2/19/2018 6:00	374400	20.277	16.101	46.218	731.708	881.536	0.437	599.444	1366.666	0.999	14.725
2/19/2018 6:15	375300	20.274	16.101	46.211	731.447	881.24	0.437	599.243	1367.152	0.999	14.73
2/19/2018 6:30	376200	20.272	16.101	46.207	731.47	881.258	0.437	599.256	1367.11	0.999	14.726
2/19/2018 6:45	377100	20.281	16.1	46.226	731.409	881.197	0.437	599.214	1367.224	0.999	14.724
2/19/2018 7:00	378000	20.275	16.101	46.212	731.541	881.349	0.437	599.318	1366.977	0.999	14.722
2/19/2018 7:15	378900	20.273	16.101	46.209	731.524	881.316	0.437	599.295	1367.009	0.999	14.723
2/19/2018 7:30	379800	20.271	16.101	46.203	731.492	881.29	0.437	599.277	1367.069	0.999	14.726
2/19/2018 7:45	380700	20.277	16.101	46.217	731.424	881.199	0.437	599.215	1367.196	0.999	14.722
2/19/2018 8:00	381600	20.277	16.101	46.217	731.682	881.514	0.437	599.429	1366.714	0.999	14.731
2/19/2018 8:15	382500	20.274	16.101	46.212	731.788	881.648	0.437	599.521	1366.516	0.999	14.737
2/19/2018 8:30	383400	20.271	16.101	46.203	731.577	881.391	0.437	599.346	1366.909	0.999	14.743
2/19/2018 8:45	384300	20.267	16.101	46.195	731.395	881.165	0.437	599.192	1367.251	0.999	14.742
2/19/2018 9:00	385200	20.272	16.101	46.206	731.876	881.754	0.437	599.593	1366.351	0.999	14.74
2/19/2018 9:15	386100	20.273	16.101	46.208	731.57	881.379	0.437	599.338	1366.923	0.999	14.743
2/19/2018 9:30	387000	20.267	16.101	46.194	731.833	881.699	0.437	599.555	1366.432	0.999	14.747
2/19/2018 9:45	387900	20.259	16.101	46.177	731.726	881.568	0.437	599.467	1366.631	0.999	14.754
2/19/2018 10:00	388800	20.261	16.101	46.182	731.497	881.282	0.437	599.272	1367.059	0.999	14.755
2/19/2018 10:15	389700	20.263	16.101	46.185	731.801	881.655	0.437	599.526	1366.491	0.999	14.752
2/19/2018 10:30	390600	20.267	16.101	46.195	731.876	881.738	0.437	599.582	1366.352	0.999	14.754
2/19/2018 10:45	391500	20.275	16.101	46.212	731.56	881.363	0.437	599.327	1366.942	0.999	14.749
2/19/2018 11:00	392400	20.266	16.101	46.193	731.801	881.65	0.437	599.522	1366.491	0.999	14.749
2/19/2018 11:15	393300	20.267	16.101	46.194	731.771	881.615	0.437	599.498	1366.548	0.999	14.748
2/19/2018 11:30	394200	20.264	16.101	46.189	731.773	881.616	0.437	599.499	1366.544	0.999	14.753
2/19/2018 11:45	395100	20.267	16.102	46.195	731.777	881.614	0.437	599.497	1366.537	0.999	14.755
2/19/2018 12:00	396000	20.265	16.102	46.191	731.898	881.763	0.437	599.599	1366.31	0.999	14.752
2/19/2018 12:15	396900	20.268	16.102	46.197	731.847	881.689	0.437	599.549	1366.405	0.999	14.739
2/19/2018 12:30	397800	20.274	16.102	46.21	731.912	881.775	0.437	599.607	1366.284	0.999	14.745
2/19/2018 12:45	398700	20.273	16.102	46.209	731.935	881.794	0.437	599.62	1366.241	0.999	14.74
2/19/2018 13:00	399600	20.259	16.102	46.177	732.06	881.944	0.437	599.722	1366.009	0.999	14.747
2/19/2018 13:15	400500	20.268	16.102	46.196	731.66	881.458	0.437	599.392	1366.756	0.999	14.746
2/19/2018 13:30	401400	20.26	16.102	46.178	732.073	881.959	0.437	599.732	1365.984	0.999	14.745
2/19/2018 13:45	402300	20.273	16.103	46.21	732.015	881.877	0.437	599.677	1366.092	0.999	14.734

2/19/2018 14:00	403200	20.265	16.103	46.19	731.9	881.742	0.437	599.585	1366.307	0.999	14.738
2/19/2018 14:15	404100	20.265	16.103	46.19	732.077	881.954	0.437	599.729	1365.976	0.999	14.737
2/19/2018 14:30	405000	20.276	16.103	46.214	731.933	881.771	0.437	599.604	1366.246	0.999	14.735
2/19/2018 14:45	405900	20.261	16.103	46.182	732.13	882.016	0.437	599.771	1365.877	0.999	14.741
2/19/2018 15:00	406800	20.266	16.103	46.192	732.036	881.896	0.437	599.689	1366.052	0.999	14.744
2/19/2018 15:15	407700	20.276	16.103	46.215	731.859	881.679	0.437	599.542	1366.383	0.999	14.734
2/19/2018 15:30	408600	20.264	16.103	46.187	731.967	881.814	0.437	599.634	1366.181	0.999	14.742
2/19/2018 15:45	409500	20.268	16.103	46.198	732.226	882.128	0.437	599.847	1365.699	0.999	14.742
2/19/2018 16:00	410400	20.28	16.102	46.224	731.841	881.677	0.437	599.54	1366.416	0.999	14.739
2/19/2018 16:15	411300	20.272	16.103	46.205	732.188	882.087	0.437	599.819	1365.77	0.999	14.743
2/19/2018 16:30	412200	20.272	16.103	46.206	732.178	882.079	0.437	599.814	1365.788	0.999	14.747
2/19/2018 16:45	413100	20.267	16.102	46.195	732.012	881.882	0.437	599.68	1366.099	0.999	14.744
2/19/2018 17:00	414000	20.27	16.102	46.202	732.155	882.062	0.437	599.802	1365.832	0.999	14.745
2/19/2018 17:15	414900	20.273	16.101	46.209	732.299	882.248	0.437	599.929	1365.563	0.999	14.746
2/19/2018 17:30	415800	20.27	16.103	46.201	732.083	881.96	0.437	599.733	1365.966	0.999	14.747
2/19/2018 17:45	416700	20.261	16.102	46.18	732.09	881.989	0.437	599.753	1365.952	0.999	14.754
2/19/2018 18:00	417600	20.264	16.102	46.189	732.403	882.359	0.437	600.004	1365.368	0.999	14.751
2/19/2018 18:15	418500	20.265	16.102	46.19	732.132	882.036	0.437	599.785	1365.874	0.999	14.751
2/19/2018 18:30	419400	20.271	16.102	46.205	732.155	882.066	0.437	599.805	1365.831	0.999	14.752
2/19/2018 18:45	420300	20.255	16.102	46.167	732.317	882.256	0.437	599.934	1365.528	0.999	14.761
2/19/2018 19:00	421200	20.26	16.102	46.179	732.362	882.316	0.437	599.975	1365.446	0.999	14.757
2/19/2018 19:15	422100	20.264	16.102	46.188	732.245	882.179	0.437	599.882	1365.663	0.999	14.764
2/19/2018 19:30	423000	20.267	16.102	46.195	732.209	882.135	0.437	599.852	1365.731	0.999	14.764
2/19/2018 19:45	423900	20.251	16.102	46.159	732.177	882.085	0.437	599.818	1365.789	0.999	14.771
2/19/2018 20:00	424800	20.266	16.102	46.192	732.371	882.331	0.437	599.985	1365.428	0.999	14.765
2/19/2018 20:15	425700	20.272	16.102	46.205	732.314	882.262	0.437	599.938	1365.535	0.999	14.765
2/19/2018 20:30	426600	20.269	16.101	46.198	732.417	882.396	0.437	600.029	1365.342	0.999	14.766
2/19/2018 20:45	427500	20.269	16.101	46.198	732.233	882.18	0.437	599.882	1365.685	0.999	14.771
2/19/2018 21:00	428400	20.263	16.101	46.186	732.452	882.444	0.437	600.062	1365.278	0.999	14.773
2/19/2018 21:15	429300	20.257	16.101	46.172	732.208	882.139	0.437	599.855	1365.731	0.999	14.785
2/19/2018 21:30	430200	20.259	16.101	46.177	732.445	882.437	0.437	600.057	1365.289	0.999	14.789
2/19/2018 21:45	431100	20.254	16.101	46.165	732.341	882.314	0.437	599.974	1365.485	0.999	14.791
2/19/2018 22:00	432000	20.254	16.101	46.166	732.445	882.431	0.437	600.053	1365.289	0.999	14.79
2/19/2018 22:15	432900	20.253	16.101	46.163	732.371	882.353	0.437	600	1365.428	0.999	14.794
2/19/2018 22:30	433800	20.259	16.1	46.176	732.526	882.547	0.437	600.132	1365.138	0.999	14.793
2/19/2018 22:45	434700	20.262	16.1	46.182	732.279	882.245	0.437	599.927	1365.599	0.999	14.794
2/19/2018 23:00	435600	20.262	16.101	46.184	732.161	882.094	0.437	599.824	1365.82	0.999	14.796
2/19/2018 23:15	436500	20.255	16.1	46.167	732.388	882.38	0.437	600.019	1365.396	0.999	14.794
2/19/2018 23:30	437400	20.264	16.101	46.187	732.45	882.447	0.437	600.064	1365.281	0.999	14.795
2/19/2018 23:45	438300	20.255	16.101	46.168	732.504	882.511	0.437	600.108	1365.179	0.999	14.797
2/20/2018 0:00	439200	20.256	16.1	46.169	732.493	882.505	0.437	600.103	1365.2	0.999	14.806
2/20/2018 0:15	440100	20.255	16.1	46.168	732.465	882.468	0.437	600.078	1365.253	0.999	14.806
2/20/2018 0:30	441000	20.256	16.1	46.17	732.487	882.495	0.437	600.096	1365.211	0.999	14.806
2/20/2018 0:45	441900	20.259	16.101	46.177	732.627	882.658	0.437	600.207	1364.95	0.999	14.806
2/20/2018 1:00	442800	20.265	16.101	46.19	732.333	882.303	0.437	599.966	1365.499	0.999	14.8
2/20/2018 1:15	443700	20.257	16.101	46.171	732.737	882.786	0.437	600.295	1364.746	0.999	14.803
2/20/2018 1:30	444600	20.258	16.1	46.175	732.323	882.297	0.437	599.962	1365.517	0.999	14.813
2/20/2018 1:45	445500	20.266	16.1	46.192	732.43	882.428	0.437	600.051	1365.317	0.999	14.81
2/20/2018 2:00	446400	20.251	16.1	46.158	732.351	882.33	0.437	599.984	1365.466	0.999	14.817
2/20/2018 2:15	447300	20.26	16.101	46.178	732.351	882.326	0.437	599.982	1365.466	0.999	14.819
2/20/2018 2:30	448200	20.261	16.101	46.181	732.648	882.674	0.437	600.218	1364.911	0.999	14.814
2/20/2018 2:45	449100	20.252	16.101	46.16	732.344	882.308	0.437	599.969	1365.478	0.999	14.818
2/20/2018 3:00	450000	20.258	16.101	46.174	732.672	882.706	0.437	600.24	1364.868	0.999	14.821
2/20/2018 3:15	450900	20.256	16.101	46.169	732.386	882.362	0.437	600.006	1365.4	0.999	14.825
2/20/2018 3:30	451800	20.257	16.101	46.173	732.681	882.724	0.437	600.252	1364.85	0.999	14.818
2/20/2018 3:45	452700	20.249	16.101	46.154	732.344	882.305	0.437	599.968	1365.479	0.999	14.819
2/20/2018 4:00	453600	20.265	16.101	46.19	732.474	882.47	0.437	600.079	1365.236	0.999	14.814
2/20/2018 4:15	454500	20.256	16.101	46.169	732.742	882.79	0.437	600.297	1364.737	0.999	14.82
2/20/2018 4:30	455400	20.262	16.101	46.184	732.459	882.455	0.437	600.07	1365.264	0.999	14.821
2/20/2018 4:45	456300	20.249	16.101	46.153	732.645	882.668	0.437	600.214	1364.918	0.999	14.828
2/20/2018 5:00	457200	20.259	16.101	46.177	732.408	882.386	0.437	600.022	1365.36	0.999	14.822
2/20/2018 5:15	458100	20.253	16.101	46.163	732.677	882.709	0.437	600.242	1364.858	0.999	14.823
2/20/2018 5:30	459000	20.257	16.101	46.173	732.708	882.746	0.437	600.267	1364.801	0.999	14.825
2/20/2018 5:45	459900	20.252	16.101	46.159	732.385	882.351	0.437	599.999	1365.402	0.999	14.828
2/20/2018 6:00	460800	20.25	16.101	46.157	732.649	882.68	0.437	600.222	1364.911	0.999	14.834
2/20/2018 6:15	461700	20.262	16.101	46.183	732.773	882.831	0.437	600.325	1364.68	0.999	14.827
2/20/2018 6:30	462600	20.25	16.1	46.156	732.421	882.414	0.437	600.042	1365.335	0.999	14.84
2/20/2018 6:45	463500	20.245	16.101	46.145	732.689	882.726	0.437	600.254	1364.836	0.999	14.842
2/20/2018 7:00	464400	20.246	16.101	46.148	732.4	882.376	0.437	600.016	1365.374	0.999	14.847
2/20/2018 7:15	465300	20.244	16.101	46.143	732.773	882.829	0.437	600.324	1364.68	0.999	14.848
2/20/2018 7:30	466200	20.253	16.101	46.163	732.589	882.608	0.437	600.173	1365.023	0.999	14.842
2/20/2018 7:45	467100	20.245	16.101	46.146	732.643	882.663	0.437	600.211	1364.921	0.999	14.851
2/20/2018 8:00	468000	20.25	16.101	46.156	732.712	882.756	0.437	600.274	1364.793	0.999	14.849
2/20/2018 8:15	468900	20.257	16.102	46.171	732.473	882.447	0.437	600.064	1365.239	0.999	14.848
2/20/2018 8:30	469800	20.255	16.101	46.167	732.501	882.496	0.437	600.098	1365.186	0.999	14.851
2/20/2018 8:45	470700	20.255	16.101	46.168	732.683	882.717	0.437	600.248	1364.847	0.999	14.854
2/20/2018 9:00	471600	20.246	16.101	46.146	732.811	882.866	0.437	600.349	1364.609	0.999	14.86
2/20/2018 9:15	472500	20.249	16.102	46.154	732.379	882.336	0.437	599.988	1365.413	0.999	14.859
2/20/2018 9:30	473400	20.266	16.102	46.193	732.595	882.596	0.437	600.165	1365.01	0.999	14.843
2/20/2018 9:45	474300	20.255	16.102	46.167	732.775	882.805	0.437	600.308	1364.675	0.999	14.856
2/20/2018 10:00	475200	20.257	16.103	46.171	732.563	882.543	0.437	600.129	1365.07	0.999	14.852
2/20/2018 10:15	476100	20.255	16.102	46.168	732.977	883.049	0.438	600.473	1364.299	0.999	14.85
2/20/2018 10:30	477000	20.251	16.102	46.159	732.63	882.63	0.437	600.188	1364.946	0.999	14.851

2/20/2018 10:45	477900	20.253	16.102	46.163	732.566	882.554	0.437	600.137	1365.065	0.999	14.852
2/20/2018 11:00	478800	20.249	16.102	46.154	732.878	882.929	0.438	600.392	1364.484	0.999	14.856
2/20/2018 11:15	479700	20.25	16.103	46.155	732.769	882.793	0.437	600.299	1364.686	0.999	14.847
2/20/2018 11:30	480600	20.257	16.103	46.172	732.469	882.43	0.437	600.052	1365.245	0.999	14.847
2/20/2018 11:45	481500	20.252	16.102	46.16	732.874	882.921	0.438	600.386	1364.491	0.999	14.848
2/20/2018 12:00	482400	20.255	16.103	46.167	732.882	882.921	0.438	600.386	1364.477	0.999	14.847
2/20/2018 12:15	483300	20.247	16.103	46.15	732.909	882.959	0.438	600.412	1364.426	0.999	14.848
2/20/2018 12:30	484200	20.256	16.103	46.17	732.84	882.866	0.437	600.349	1364.555	0.999	14.84
2/20/2018 12:45	485100	20.258	16.104	46.174	732.964	883.003	0.438	600.442	1364.323	0.999	14.841
2/20/2018 13:00	486000	20.251	16.104	46.158	732.918	882.94	0.438	600.399	1364.409	0.999	14.841
2/20/2018 13:15	486900	20.253	16.104	46.163	732.738	882.733	0.437	600.258	1364.743	0.999	14.839
2/20/2018 13:30	487800	20.261	16.104	46.181	732.85	882.854	0.437	600.341	1364.536	0.999	14.832
2/20/2018 13:45	488700	20.257	16.104	46.171	733.024	883.062	0.438	600.482	1364.212	0.999	14.832
2/20/2018 14:00	489600	20.257	16.104	46.171	732.94	882.963	0.438	600.415	1364.369	0.999	14.832
2/20/2018 14:15	490500	20.267	16.104	46.195	732.821	882.818	0.437	600.316	1364.59	0.999	14.827
2/20/2018 14:30	491400	20.247	16.105	46.149	732.996	883.015	0.438	600.45	1364.263	0.999	14.833
2/20/2018 14:45	492300	20.255	16.105	46.168	733.063	883.106	0.438	600.512	1364.139	0.999	14.833
2/20/2018 15:00	493200	20.261	16.105	46.18	732.889	882.891	0.437	600.366	1364.463	0.999	14.832
2/20/2018 15:15	494100	20.263	16.105	46.186	733.075	883.113	0.438	600.517	1364.118	0.999	14.827
2/20/2018 15:30	495000	20.256	16.105	46.169	733.146	883.198	0.438	600.575	1363.985	0.999	14.833
2/20/2018 15:45	495900	20.251	16.105	46.158	732.992	883.005	0.438	600.444	1364.272	0.999	14.833
2/20/2018 16:00	496800	20.246	16.105	46.146	732.847	882.841	0.437	600.332	1364.541	0.999	14.835
2/20/2018 16:15	497700	20.255	16.104	46.167	733.108	883.163	0.438	600.551	1364.056	0.999	14.834
2/20/2018 16:30	498600	20.252	16.105	46.162	733.178	883.238	0.438	600.602	1363.925	0.999	14.831
2/20/2018 16:45	499500	20.255	16.105	46.167	733.171	883.222	0.438	600.591	1363.938	0.999	14.822
2/20/2018 17:00	500400	20.251	16.105	46.159	733.199	883.252	0.438	600.612	1363.886	0.999	14.834
2/20/2018 17:15	501300	20.259	16.105	46.177	733.293	883.374	0.438	600.694	1363.711	0.999	14.827
2/20/2018 17:30	502200	20.254	16.105	46.164	733.362	883.454	0.438	600.749	1363.583	0.999	14.832
2/20/2018 17:45	503100	20.257	16.105	46.172	732.965	882.971	0.438	600.42	1364.323	0.999	14.829
2/20/2018 18:00	504000	20.25	16.105	46.157	733.228	883.293	0.438	600.639	1363.832	0.999	14.836
2/20/2018 18:15	504900	20.254	16.105	46.165	733.245	883.308	0.438	600.649	1363.8	0.999	14.828
2/20/2018 18:30	505800	20.255	16.105	46.167	733.406	883.503	0.438	600.782	1363.501	0.999	14.83
2/20/2018 18:45	506700	20.254	16.105	46.166	733.415	883.521	0.438	600.794	1363.484	0.999	14.829
2/20/2018 19:00	507600	20.251	16.105	46.158	733.246	883.31	0.438	600.651	1363.799	0.999	14.832
2/20/2018 19:15	508500	20.26	16.105	46.178	733.184	883.237	0.438	600.601	1363.915	0.999	14.826
2/20/2018 19:30	509400	20.25	16.105	46.156	733.467	883.587	0.438	600.839	1363.389	0.999	14.835
2/20/2018 19:45	510300	20.251	16.106	46.159	733.207	883.258	0.438	600.616	1363.871	0.999	14.833
2/20/2018 20:00	511200	20.254	16.105	46.166	733.481	883.596	0.438	600.846	1363.363	0.999	14.834
2/20/2018 20:15	512100	20.256	16.105	46.169	733.11	883.146	0.438	600.539	1364.053	0.999	14.837
2/20/2018 20:30	513000	20.258	16.105	46.174	733.461	883.566	0.438	600.825	1363.398	0.999	14.834
2/20/2018 20:45	513900	20.25	16.105	46.156	733.464	883.574	0.438	600.831	1363.394	0.999	14.843
2/20/2018 21:00	514800	20.249	16.105	46.155	733.224	883.296	0.438	600.641	1363.839	0.999	14.838
2/20/2018 21:15	515700	20.249	16.105	46.153	733.41	883.514	0.438	600.79	1363.494	0.999	14.846
2/20/2018 21:30	516600	20.256	16.105	46.17	733.628	883.775	0.438	600.967	1363.089	0.999	14.833
2/20/2018 21:45	517500	20.245	16.105	46.145	733.369	883.46	0.438	600.753	1363.57	0.999	14.84
2/20/2018 22:00	518400	20.253	16.105	46.164	733.301	883.388	0.438	600.704	1363.696	0.999	14.838
2/20/2018 22:15	519300	20.245	16.105	46.144	733.462	883.577	0.438	600.832	1363.398	0.999	14.835
2/20/2018 22:30	520200	20.258	16.105	46.175	733.591	883.731	0.438	600.937	1363.157	0.999	14.836
2/20/2018 22:45	521100	20.252	16.105	46.16	733.312	883.388	0.438	600.704	1363.676	0.999	14.84
2/20/2018 23:00	522000	20.248	16.105	46.152	733.452	883.559	0.438	600.82	1363.415	0.999	14.837
2/20/2018 23:15	522900	20.251	16.106	46.159	733.582	883.708	0.438	600.921	1363.175	0.999	14.842
2/20/2018 23:30	523800	20.246	16.106	46.147	733.274	883.337	0.438	600.669	1363.746	0.999	14.838
2/20/2018 23:45	524700	20.25	16.105	46.155	733.502	883.62	0.438	600.862	1363.324	0.999	14.833
2/21/2018 0:00	525600	20.252	16.105	46.16	733.565	883.699	0.438	600.916	1363.207	0.999	14.829
2/21/2018 0:15	526500	20.259	16.105	46.177	733.272	883.338	0.438	600.67	1363.75	0.999	14.83
2/21/2018 0:30	527400	20.25	16.105	46.156	733.456	883.567	0.438	600.825	1363.409	0.999	14.83
2/21/2018 0:45	528300	20.252	16.106	46.161	733.605	883.736	0.438	600.94	1363.132	0.999	14.834
2/21/2018 1:00	529200	20.257	16.106	46.173	733.23	883.275	0.438	600.627	1363.828	0.999	14.832
2/21/2018 1:15	530100	20.25	16.106	46.156	733.526	883.639	0.438	600.875	1363.277	0.999	14.823
2/21/2018 1:30	531000	20.254	16.105	46.164	733.494	883.609	0.438	600.854	1363.338	0.999	14.821
2/21/2018 1:45	531900	20.263	16.106	46.186	733.555	883.67	0.438	600.896	1363.224	0.999	14.818
2/21/2018 2:00	532800	20.255	16.106	46.167	733.462	883.561	0.438	600.822	1363.397	0.999	14.826
2/21/2018 2:15	533700	20.259	16.106	46.177	733.535	883.649	0.438	600.881	1363.262	0.999	14.818
2/21/2018 2:30	534600	20.253	16.106	46.163	733.387	883.467	0.438	600.758	1363.537	0.999	14.818
2/21/2018 2:45	535500	20.26	16.107	46.179	733.503	883.595	0.438	600.845	1363.321	0.999	14.821
2/21/2018 3:00	536400	20.264	16.106	46.188	733.46	883.554	0.438	600.816	1363.401	0.999	14.815
2/21/2018 3:15	537300	20.268	16.106	46.198	733.557	883.666	0.438	600.893	1363.22	0.999	14.807
2/21/2018 3:30	538200	20.253	16.107	46.164	733.299	883.346	0.438	600.675	1363.7	0.999	14.82
2/21/2018 3:45	539100	20.264	16.106	46.189	733.506	883.602	0.438	600.849	1363.316	0.999	14.811
2/21/2018 4:00	540000	20.262	16.107	46.182	733.717	883.853	0.438	601.02	1362.923	0.999	14.805
2/21/2018 4:15	540900	20.258	16.107	46.175	733.285	883.329	0.438	600.664	1363.726	0.999	14.808
2/21/2018 4:30	541800	20.264	16.107	46.188	733.431	883.508	0.438	600.786	1363.454	0.999	14.811
2/21/2018 4:45	542700	20.262	16.107	46.184	733.19	883.218	0.438	600.588	1363.903	0.999	14.812
2/21/2018 5:00	543600	20.252	16.106	46.16	733.458	883.544	0.438	600.81	1363.406	0.999	14.82
2/21/2018 5:15	544500	20.248	16.106	46.152	733.512	883.609	0.438	600.854	1363.305	0.999	14.823
2/21/2018 5:30	545400	20.252	16.106	46.16	733.127	883.147	0.438	600.54	1364.02	0.999	14.82
2/21/2018 5:45	546300	20.26	16.106	46.178	733.513	883.611	0.438	600.855	1363.302	0.999	14.821
2/21/2018 6:00	547200	20.257	16.106	46.173	733.333	883.394	0.438	600.708	1363.637	0.999	14.822
2/21/2018 6:15	548100	20.252	16.107	46.161	733.368	883.421	0.438	600.726	1363.572	0.999	14.82
2/21/2018 6:30	549000	20.258	16.107	46.175	733.2	883.224	0.438	600.592	1363.885	0.999	14.816
2/21/2018 6:45	549900	20.258	16.106	46.173	733.446	883.528	0.438	600.799	1363.426	0.999	14.823
2/21/2018 7:00	550800	20.251	16.107	46.159	733.442	883.514	0.438	600.79	1363.434	0.999	14.828
2/21/2018 7:15	551700	20.249	16.106	46.153	733.456	883.539	0.438	600.807	1363.409	0.999	14.83

2/21/2018 7:30	552600	20.25	16.106	46.156	733.488	883.579	0.438	600.834	1363.348	0.999	14.831
2/21/2018 7:45	553500	20.246	16.107	46.147	733.291	883.329	0.438	600.664	1363.714	0.999	14.827
2/21/2018 8:00	554400	20.254	16.107	46.165	733.286	883.32	0.438	600.658	1363.725	0.999	14.822
2/21/2018 8:15	555300	20.251	16.107	46.159	733.547	883.637	0.438	600.873	1363.239	0.999	14.828
2/21/2018 8:30	556200	20.247	16.107	46.149	733.307	883.344	0.438	600.674	1363.686	0.999	14.832
2/21/2018 8:45	557100	20.249	16.108	46.154	733.305	883.333	0.438	600.666	1363.689	0.999	14.827
2/21/2018 9:00	558000	20.248	16.108	46.152	733.408	883.45	0.438	600.746	1363.497	0.999	14.832
2/21/2018 9:15	558900	20.25	16.107	46.155	733.339	883.379	0.438	600.698	1363.626	0.999	14.829
2/21/2018 9:30	559800	20.254	16.108	46.166	733.429	883.474	0.438	600.762	1363.458	0.999	14.825
2/21/2018 9:45	560700	20.244	16.108	46.143	733.192	883.193	0.438	600.571	1363.9	0.999	14.833
2/21/2018 10:00	561600	20.257	16.108	46.171	733.284	883.293	0.438	600.639	1363.729	0.999	14.822
2/21/2018 10:15	562500	20.251	16.108	46.158	733.427	883.468	0.438	600.758	1363.461	0.999	14.83
2/21/2018 10:30	563400	20.245	16.108	46.145	733.466	883.518	0.438	600.792	1363.39	0.999	14.83
2/21/2018 10:45	564300	20.257	16.108	46.172	733.509	883.565	0.438	600.824	1363.309	0.999	14.825
2/21/2018 11:00	565200	20.251	16.108	46.159	733.28	883.301	0.438	600.645	1363.736	0.999	14.826
2/21/2018 11:15	566100	20.249	16.108	46.153	733.587	883.677	0.438	600.9	1363.164	0.999	14.83
2/21/2018 11:30	567000	20.253	16.108	46.163	733.308	883.33	0.438	600.664	1363.683	0.999	14.822
2/21/2018 11:45	567900	20.251	16.108	46.158	733.663	883.749	0.438	600.95	1363.025	0.999	14.827
2/21/2018 12:00	568800	20.25	16.108	46.155	733.574	883.645	0.438	600.879	1363.189	0.999	14.826
2/21/2018 12:15	569700	20.249	16.108	46.154	733.287	883.299	0.438	600.643	1363.722	0.999	14.82
2/21/2018 12:30	570600	20.254	16.108	46.165	733.53	883.59	0.438	600.841	1363.27	0.999	14.822
2/21/2018 12:45	571500	20.252	16.109	46.161	733.503	883.552	0.438	600.815	1363.321	0.999	14.82
2/21/2018 13:00	572400	20.256	16.109	46.169	733.488	883.531	0.438	600.801	1363.348	0.999	14.819
2/21/2018 13:15	573300	20.259	16.109	46.177	733.621	883.694	0.438	600.912	1363.102	0.999	14.809
2/21/2018 13:30	574200	20.251	16.109	46.159	733.501	883.546	0.438	600.811	1363.324	0.999	14.817
2/21/2018 13:45	575100	20.25	16.109	46.156	733.343	883.357	0.438	600.683	1363.618	0.999	14.815
2/21/2018 14:00	576000	20.246	16.109	46.147	733.273	883.265	0.438	600.62	1363.75	0.999	14.809
2/21/2018 14:15	576900	20.251	16.109	46.158	733.552	883.605	0.438	600.852	1363.231	0.999	14.812
2/21/2018 14:30	577800	20.25	16.109	46.155	733.471	883.504	0.438	600.783	1363.38	0.999	14.809
2/21/2018 14:45	578700	20.26	16.109	46.179	733.613	883.67	0.438	600.895	1363.117	0.999	14.808
2/21/2018 15:00	579600	20.252	16.109	46.161	733.487	883.527	0.438	600.798	1363.351	0.999	14.809
2/21/2018 15:15	580500	20.253	16.109	46.164	733.445	883.474	0.438	600.763	1363.43	0.999	14.814
2/21/2018 15:30	581400	20.254	16.109	46.165	733.535	883.581	0.438	600.835	1363.261	0.999	14.813
2/21/2018 15:45	582300	20.247	16.11	46.148	733.468	883.484	0.438	600.769	1363.386	0.999	14.82
2/21/2018 16:00	583200	20.257	16.109	46.171	733.253	883.242	0.438	600.605	1363.785	0.999	14.813
2/21/2018 16:15	584100	20.246	16.109	46.147	733.254	883.238	0.438	600.602	1363.784	0.999	14.813
2/21/2018 16:30	585000	20.246	16.109	46.146	733.559	883.621	0.438	600.862	1363.217	0.999	14.816
2/21/2018 16:45	585900	20.252	16.109	46.16	733.198	883.179	0.438	600.562	1363.889	0.999	14.808
2/21/2018 17:00	586800	20.253	16.109	46.163	733.308	883.312	0.438	600.652	1363.683	0.999	14.81
2/21/2018 17:15	587700	20.252	16.109	46.16	733.152	883.128	0.438	600.527	1363.973	0.999	14.809
2/21/2018 17:30	588600	20.259	16.109	46.176	733.364	883.377	0.438	600.696	1363.58	0.999	14.806
2/21/2018 17:45	589500	20.262	16.109	46.184	733.406	883.435	0.438	600.736	1363.501	0.999	14.806
2/21/2018 18:00	590400	20.251	16.109	46.158	733.065	883.023	0.438	600.456	1364.135	0.999	14.812
2/21/2018 18:15	591300	20.253	16.108	46.162	733.266	883.276	0.438	600.627	1363.761	0.999	14.812
2/21/2018 18:30	592200	20.252	16.109	46.161	733.251	883.25	0.438	600.61	1363.79	0.999	14.814
2/21/2018 18:45	593100	20.243	16.108	46.139	733.274	883.28	0.438	600.63	1363.747	0.999	14.819
2/21/2018 19:00	594000	20.247	16.108	46.148	733.038	883.001	0.438	600.441	1364.185	0.999	14.817
2/21/2018 19:15	594900	20.249	16.108	46.154	733.201	883.197	0.438	600.574	1363.882	0.999	14.821
2/21/2018 19:30	595800	20.253	16.108	46.162	733.14	883.124	0.438	600.524	1363.996	0.999	14.818
2/21/2018 19:45	596700	20.245	16.108	46.144	732.992	882.947	0.438	600.404	1364.272	0.999	14.822
2/21/2018 20:00	597600	20.247	16.108	46.149	733.018	882.974	0.438	600.423	1364.223	0.999	14.822
2/21/2018 20:15	598500	20.251	16.108	46.157	733.057	883.022	0.438	600.455	1364.15	0.999	14.821
2/21/2018 20:30	599400	20.256	16.108	46.17	732.778	882.695	0.437	600.232	1364.67	0.999	14.823
2/21/2018 20:45	600300	20.253	16.107	46.163	732.96	882.927	0.438	600.39	1364.33	0.999	14.823
2/21/2018 21:00	601200	20.249	16.107	46.154	732.977	882.949	0.438	600.405	1364.299	0.999	14.83
2/21/2018 21:15	602100	20.251	16.107	46.159	732.658	882.559	0.437	600.14	1364.894	0.999	14.829
2/21/2018 21:30	603000	20.245	16.107	46.144	732.463	882.326	0.437	599.982	1365.257	0.999	14.828
2/21/2018 21:45	603900	20.242	16.107	46.138	732.884	882.833	0.437	600.326	1364.473	0.999	14.835
2/21/2018 22:00	604800	20.25	16.107	46.156	732.761	882.687	0.437	600.227	1364.701	0.999	14.828
2/21/2018 22:15	605700	20.249	16.107	46.153	732.555	882.439	0.437	600.058	1365.085	0.999	14.829
2/21/2018 22:30	606600	20.239	16.107	46.131	732.291	882.121	0.437	599.842	1365.577	0.999	14.831
2/21/2018 22:45	607500	20.243	16.107	46.141	732.66	882.563	0.437	600.143	1364.89	0.999	14.832
2/21/2018 23:00	608400	20.251	16.107	46.159	732.637	882.534	0.437	600.123	1364.932	0.999	14.829
2/21/2018 23:15	609300	20.249	16.107	46.154	732.417	882.269	0.437	599.943	1365.342	0.999	14.835
2/21/2018 23:30	610200	20.247	16.107	46.149	732.593	882.49	0.437	600.093	1365.014	0.999	14.836
2/21/2018 23:45	611100	20.25	16.108	46.156	732.609	882.498	0.437	600.099	1364.985	0.999	14.835

Report Date: 2/23/2018 14:44
Report User Name: A1ventis@ms
Report Computer Name: WKST34
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties
File Name: MPWPSP MW-9D LT Test_2018-02-22_12-51-01-128-BaroMerge.wtl
Create Date: 2/23/2018 14:43

Device Properties
Device: Aqua TRIOLL 200
Site: MPWPSP MW-9D
Device Name:
Serial Number: 437458
Firmware Version: 2
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 15020
Used Memory: 0
Used Battery: 0

Log Configuration
Log Name: MPWPSP MW-9D LT Test
Created by: KMKar
Computer Name: PNCBOOK10
Application: WinSitu.exe
Application Version: 5.6.25.0
Create Date: 1/24/2016 6:00:31 PM Pacific Standard Time
Log Setup Time Zone: Pacific Standard Time
Notes Set(Yes/No): 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: User
Interval: Days: 0 hrs: 00 mins: 15 secs: 00

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

Log Notes:
Date and Time: Note
1/14/2016 18:00 Log Download - Used Battery: 0% Used Memory: 3% User Name: KMKar
1/15/2016 9:46 Log Download - Used Battery: 0% Used Memory: 3% User Name: KMKar
1/21/2016 8:49 Log Download - Used Battery: 0% Used Memory: 3% User Name: KMKar
1/26/2016 8:51 Log Download - Used Battery: 1% Used Memory: 3% User Name: KMKar Interval - Start Time: 1/16/2016 11:45:00 AM Stop Time: 1/28/2016 1:05:00 PM
2/4/2016 9:56 Log Download - Used Battery: 1% Used Memory: 4% User Name: Cshaw Interval - Start Time: 1/15/2016 7:00:00 AM Stop Time: 2/4/2016 10:45:00 AM
2/11/2016 9:46 Log Download - Used Battery: 1% Used Memory: 6% User Name: Cshaw Interval - Start Time: 2/2/2016 2:30:00 PM Stop Time: 2/11/2016 10:45:00 AM
2/18/2016 11:36 Log Download - Used Battery: 1% Used Memory: 6% User Name: Cshaw Interval - Start Time: 2/4/2016 3:00:00 AM Stop Time: 2/18/2016 12:00:00 PM
2/25/2016 11:25 Log Download - Used Battery: 2% Used Memory: 7% User Name: KMKar Interval - Start Time: 2/15/2016 5:30:00 PM Stop Time: 2/25/2016 11:30:00 AM
3/3/2016 12:32 Log Download - Used Battery: 2% Used Memory: 7% User Name: Skuiper Interval - Start Time: 1/31/2016 12:00:01 AM Stop Time: 3/3/2016 1:30:00 PM
3/10/2016 14:24 Log Download - Used Battery: 3% Used Memory: 9% User Name: KMKar Interval - Start Time: 3/1/2016 12:00:00 PM Stop Time: 3/10/2016 2:15:00 PM
3/17/2016 11:02 Log Download - Used Battery: 3% Used Memory: 9% User Name: Skuiper Interval - Start Time: 3/8/2016 12:00:01 AM Stop Time: 3/17/2016 11:44:45 AM
3/24/2016 8:37 Log Download - Used Battery: 4% Used Memory: 10% User Name: KMKar Interval - Start Time: 3/15/2016 12:00:00 PM Stop Time: 3/24/2016 8:45:00 AM
3/31/2016 16:46 Log Download - Used Battery: 4% Used Memory: 10% User Name: Skuiper Interval - Start Time: 3/23/2016 12:00:00 PM Stop Time: 3/31/2016 2:45:00 PM
4/7/2016 9:08 Log Download - Used Battery: 4% Used Memory: 12% User Name: KMKar Interval - Start Time: 2/29/2016 5:00:00 PM Stop Time: 4/7/2016 9:15:00 AM
4/14/2016 15:45 Log Download - Used Battery: 5% Used Memory: 12% 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 13:49 Log Download - Used Battery: 5% Used Memory: 14% User Name: KMKar Interval - Start Time: 4/12/2016 1:30:00 PM Stop Time: 4/21/2016 2:45:00 PM
4/28/2016 9:22 Log Download - Used Battery: 5% Used Memory: 14% User Name: KMKar Interval - Start Time: 4/19/2016 5:00:00 PM Stop Time: 4/28/2016 9:30:00 AM
5/5/2016 9:11 Log Download - Used Battery: 6% Used Memory: 15% User Name: Skuiper Interval - Start Time: 3/12/2016 12:00:00 PM Stop Time: 5/5/2016 10:00:00 AM
5/12/2016 9:50 Log 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 13:21 Log Download - Used Battery: 6% Used Memory: 17% User Name: Elinden Interval - Start Time: 5/10/2016 12:00:00 PM Stop Time: 5/19/2016 3:15:00 PM
5/26/2016 8:49 Log Download - Used Battery: 7% Used Memory: 17% User Name: Skuiper Interval - Start Time: 5/17/2016 6:00:00 AM Stop Time: 5/26/2016 9:45:00 AM
6/2/2016 11:11 Log 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 Log Download - Used Battery: 8% Used Memory: 18% User Name: Cshaw Interval - Start Time: 5/31/2016 5:00:00 AM Stop Time: 6/9/2016 10:15:00 AM
6/16/2016 10:51 Log 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 Log 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
7/1/2016 11:19 Log Download - Used Battery: 9% 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 11:34 Log Download - Used Battery: 9% Used Memory: 23% User Name: Skuiper Interval - Start Time: 6/29/2016 10:00:00 PM Stop Time: 7/8/2016 11:30:00 AM
7/14/2016 17:29 Log Download - Used Battery: 9% Used Memory: 23% User Name: Elinden Interval - Start Time: 7/5/2016 12:00:00 PM Stop Time: 7/14/2016 6:15:00 PM
7/21/2016 10:12 Log 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 Log 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 14:12 Log Download - Used Battery: 10% Used Memory: 26% User Name: Skuiper Interval - Start Time: 8/2/2016 10:00:00 PM Stop Time: 8/4/2016 3:00:00 PM
8/11/2016 10:18 Log Download - Used Battery: 11% Used Memory: 26% User Name: Elinden Interval - Start Time: 8/3/2016 12:00:00 PM Stop Time: 8/11/2016 11:15:00 AM
8/18/2016 15:11 Log 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 4:00:00 PM
8/25/2016 12:04 Log Download - Used Battery: 12% Used Memory: 28% User Name: Elinden Interval - Start Time: 8/17/2016 10:00:00 PM Stop Time: 8/25/2016 1:00:00 PM
9/1/2016 15:44 Log 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 Log 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 6:40:00 PM
9/15/2016 14:29 Log Download - Used Battery: 13% Used Memory: 31% User Name: Aikoris Interval - Start Time: 9/7/2016 10:00:00 PM Stop Time: 9/15/2016 3:00:00 PM
9/22/2016 12:18 Log Download - Used Battery: 13% Used Memory: 31% User Name: Aikoris Interval - Start Time: 9/14/2016 10:00:00 PM Stop Time: 9/22/2016 1:15:00 PM
10/1/2016 11:00 Log Download - Used Battery: 13% Used Memory: 32% User Name: Aikoris Interval - Start Time: 9/21/2016 10:00:00 PM Stop Time: 10/1/2016 11:45:00 AM
10/7/2016 16:44 Log 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
10/14/2016 16:03 Log Download - Used Battery: 14% Used Memory: 34% User Name: Skuiper Interval - Start Time: 10/5/2016 10:00:00 PM Stop Time: 10/14/2016 4:00:00 PM
10/20/2016 16:28 Log 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 16:55 Log Download - Used Battery: 15% Used Memory: 36% 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 16:04 Log Download - Used Battery: 15% Used Memory: 35% 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 7:51 Log Download - Used Battery: 16% Used Memory: 37% User Name: Skuiper Interval - Start Time: 11/2/2016 10:00:00 PM Stop Time: 11/11/2016 5:30:00 PM
11/17/2016 15:19 Log Download - Used Battery: 16% Used Memory: 37% User Name: Skuiper Interval - Start Time: 11/9/2016 10:00:00 PM Stop Time: 11/17/2016 1:15:00 PM
11/24/2016 12:07 Log Download - Used Battery: 16% Used Memory: 39% User Name: Skuiper Interval - Start Time: 11/15/2016 10:00:00 PM Stop Time: 11/24/2016 12:00:00 PM
12/2/2016 7:32 Log Download - Used Battery: 17% Used Memory: 40% User Name: Skuiper Interval - Start Time: 10/31/2016 10:00:00 PM Stop Time: 12/2/2016 5:15:00 PM
12/9/2016 9:11 Log Download - Used Battery: 17% Used Memory: 40% User Name: Skuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 12/9/2016 6:30:00 PM
12/15/2016 15:02 Log Download - Used Battery: 17% Used Memory: 42% User Name: Skuiper Interval - Start Time: 12/7/2016 10:00:00 PM Stop Time: 12/15/2016 1:00:00 PM
12/22/2016 11:32 Log Download - Used Battery: 18% Used Memory: 42% User Name: Aikoris Interval - Start Time: 12/14/2016 10:00:00 PM Stop Time: 12/22/2016 12:30:00 PM
1/3/2017 9:47 Log Download - Used Battery: 18% Used Memory: 43% User Name: Skuiper Interval - Start Time: 11/30/2016 10:00:00 PM Stop Time: 1/3/2017 9:45:00 AM
1/12/2017 15:47 Log Download - Used Battery: 19% Used Memory: 45% User Name: Skuiper Interval - Start Time: 1/4/2017 10:00:00 PM Stop Time: 1/12/2017 5:15:00 PM
1/19/2017 10:30 Log Download - Used Battery: 19% Used Memory: 45% User Name: Elendamend Interval - Start Time: 1/11/2017 10:00:00 PM Stop Time: 1/19/2017 11:15:00 AM
1/19/2017 12:25 Log Download - Used Battery: 19% Used Memory: 45% User Name: Elendamend Interval - Start Time: 1/13/2017 10:00:00 PM Stop Time: 1/19/2017 1:15:00 PM
1/26/2017 9:24 Log Download - Used Battery: 19% Used Memory: 46% 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 15:23 Log Download - Used Battery: 20% Used Memory: 46% User Name: WMasouil Interval - Start Time: 12/31/2016 10:00:00 PM Stop Time: 2/2/2017 4:15:00 PM
2/9/2017 12:27 Log Download - Used Battery: 20% Used Memory: 48% User Name: Elendamend Interval - Start Time: 2/1/2017 12:00:00 AM Stop Time: 2/9/2017 1:15:00 PM
2/16/2017 12:06 Log Download - Used Battery: 21% Used Memory: 48% User Name: WMasouil Interval - Start Time: 2/8/2017 10:00:00 PM Stop Time: 2/16/2017 1:00:00 PM
2/23/2017 10:54 Log Download - Used Battery: 21% Used Memory: 50% User Name: Elendamend Interval - Start Time: 2/15/2017 12:00:00 AM Stop Time: 2/23/2017 12:00:00 PM
3/1/2017 15:41 Log Download - Used Battery: 22% Used Memory: 50% User Name: Skuiper Interval - Start Time: 1/31/2017 10:00:00 PM Stop Time: 3/1/2017 4:30:00 PM
3/8/2017 12:31 Log Download - Used Battery: 22% Used Memory: 51% User Name: WMasouil Interval - Start Time: 3/1/2017 11:30:00 PM Stop Time: 3/8/2017 1:30:00 PM
3/16/2017 16:18 Log Download - Used Battery: 22% Used Memory: 51% User Name: WMasouil Interval - Start Time: 3/8/2017 10:00:00 PM Stop Time: 3/16/2017 1:15:00 PM
3/23/2017 14:01 Log Download - Used Battery: 22% Used Memory: 51% User Name: A1ventis@ms Interval - Start Time: 3/15/2017 10:00:00 PM Stop Time: 3/23/2017 2:15:00 PM
2/23/2018 14:41 User Note: "Pressure & Level adjusted by baro data from: "MPWPSP Barocell_2018-02-22_16:46-22:545.wtl"

Log Data:
Record Count: 732

Sensors:
1 437458 PCTD 300 PSIA (200.7m/658.7ft)
2 0 Baro-Adjustment Calc

Time Zone: Pacific Standard Time

Date and Time	Elapsed Time Seconds	Corrected Pressure (PSI)	Temperature (C)	Depth (ft)	Actual Conductivity (uS)	Specific Conductivity (uS)	Salinity (PSU)	Total Dissolved Solids (ppm)	Resistivity (ohm-cm)	Water Density (g/cm3)	Barometric Pressure (PSI)
2/15/2018 0:00	7200	151.027	21.065	348.717	693.417	749.765	0.37	509.84	1442.133	1.0098	14.831
2/15/2018 0:15	8100	151.02	21.072	348.701	693.981	750.274	0.37	510.186	1440.961	1.0098	14.829
2/15/2018 0:30	9000	151.013	21.066	348.685	694.427	750.844	0.371	510.574	1440.037	1.0098	14.831
2/15/2018 0:45	9900	151.009	21.069	348.641	694.426	752.372	0.372	512.015	1439.507	1.0098	14.836
2/15/2018 1:00	10800	151.018	21.073	348.743	695.119	751.49	0.371	511.014	1438.603	1.0098	14.835
2/15/2018 1:15	11700	150.999	21.067	348.653	694.193	750.572	0.371	510.389	1440.522	1.0098	14.83
2/15/2018 1:30	12600	150.999	21.057	348.651	695.172	751.999	0.371	511.36	1438.079	1.0098	14.829
2/15/2018 1:45	13500	151.008	21.072	348.674	695.507	751.914	0.371	511.302	1437.801	1.0098	14.835
2/15/2018 2:00	14400	150.975	21.077	348.596	693.854	750.054	0.37	510.036	1441.226	1.0098	14.835
2/15/2018 2:15	15300	150.989	21.081	348.651	693.13	749.207	0.37	509.461	1442.731	1.0098	14.831
2/15/2018 2:30	16200	150.962	21.072	348.566	693.485	749.729	0.37	509.815	1441.992	1.0098	14.83
2/15/2018 2:45	17100	150.951	21.063	348.54	694.692	751.175	0.371	510.789	1439.488	1.0098	14.834
2/15/2018 3:00	18000	150.968	21.076	348.626	693.953	750.184	0.37	510.125	1441.021	1.0098	14.826
2/15/2018 3:15	18900	150.999	21.071	348.651	692.527	748.718	0.37	509.128	1441.987	1.0098	14.825
2/15/2018 3:30	19800	150.95	21.078	348.539	693.923	750.121	0.37	510.082	1441.081	1.0098	14.831
2/15/2018 3:45	20700	151	21.075	348.57	693.167	749.146	0.37	509.692	1442.59	1.0098	14.824
2/15/2018 4:00	21600	151.01	21.073	348.656	693.565	749.803	0.37	509.866	1441.826	1.0098	14.823
2/15/2018 4:15	22500	150.962	21.074	348.566	694.129	750.421	0.37	509.408	1441.091	1.0098	14.832
2/15/2018 4:30	23400	151.023	21.087	348.707	698.047	752.963	0.372	512.625	1440.789	1.0098	14.829
2/15/2018 4:45	24300	151.021	21.084	348.702	698.765	744.442	0.368	506.22	1451.873	1.0098	14.82
2/15/2018 5:00	25200	151.002	21.078	348.66	692.075	748.118	0.369	504.938	1444.929	1.0098	14.825
2/15/2018 5:15	26100	151.043	21.079	348.514	691.6	746.507	0.369	504.29	1446.277	1.0098	14.837
2/15/2018 5:30	27000	151.062	21.072	348.797	689.73	745.668	0.368	507.054	1449.84	1.0098	14.824
2/15/2018 5:45	27900	151.077	21.069	348.833	692.237	748.424	0.37	508.928	1444.592	1.0098	14.827
2/15/2018 6:00	28800	151.076	21.072	348.83	691.664	747.767	0.369	508.463	1445.789	1.0098	14.832
2/15/2018 6:15	29700	151.059	21.072	348.79	691.519	747.612	0.369	508.376	1446.092	1.0098	14.829
2/15/2018 6:30	30600	151.109	21.073	348.907	692.741	748.91	0.37	509.259	1443.541	1.0098	14.837
2/15/2018 6:45	31500	151.109	21.074	348.907	691.43	747.485	0.369	508.29	1446.277	1.0098	14.837
2/15/2018 7:00	32400	151.127	21.086	348.947	690.512	746.304	0.368	507.487	1448.201	1.0098	14.844

2/15/2018 7:15	33300	151.154	21.083	340.009	690.805	746.767	0.369	507.802	1447.378	0.998	14.842
2/15/2018 7:30	34200	151.156	21.077	340.035	690.765	746.765	0.369	507.806	1447.311	0.998	14.846
2/15/2018 7:45	35100	151.164	21.083	340.032	689.318	745.057	0.368	506.639	1450.71	0.998	14.853
2/15/2018 8:00	36000	151.171	21.09	340.05	687.703	743.208	0.367	505.382	1454.117	0.998	14.849
2/15/2018 8:15	36900	151.182	21.085	340.075	689.375	741.47	0.368	507.122	1458.538	0.998	14.856
2/15/2018 8:30	37800	151.206	21.082	340.131	689.212	744.964	0.368	506.576	1450.939	0.998	14.854
2/15/2018 8:45	38700	151.208	21.075	340.134	689.451	745.326	0.368	506.821	1450.423	0.998	14.86
2/15/2018 9:00	39600	151.221	21.083	340.131	689.221	744.925	0.368	506.549	1450.913	0.998	14.858
2/15/2018 9:15	40500	151.209	21.18	340.137	687.754	743.422	0.367	505.527	1458.008	0.998	14.859
2/15/2018 9:30	41400	151.207	21.088	340.133	687.863	741.41	0.367	505.518	1451.779	0.998	14.864
2/15/2018 9:45	42300	151.247	21.089	340.225	686.956	740.977	0.366	505.077	1455.097	0.998	14.872
2/15/2018 10:00	43200	151.232	21.075	340.19	687.448	743.371	0.367	505.492	1454.233	0.998	14.87
2/15/2018 10:15	44100	151.125	21.076	340.231	687.725	743.447	0.367	505.544	1454.07	0.998	14.861
2/15/2018 10:30	45000	151.254	21.075	340.241	688.757	744.569	0.368	506.307	1451.801	0.998	14.864
2/15/2018 10:45	45900	151.279	21.074	340.823	689.467	745.361	0.368	506.846	1450.396	0.998	14.864
2/15/2018 11:00	46800	151.278	21.087	340.296	687.553	743.086	0.367	505.299	1454.432	0.998	14.866
2/15/2018 11:15	47700	-0.177	15.976	137.204	1127.804	1434.429	0.725	975.411	842.513	1.005	14.86
2/15/2018 11:30	48600	-0.11	17.076	112.923	1122.923	1332.719	0.725	898.249	801.046	1.007	14.853
2/15/2018 11:45	49500	151.139	21.039	340.354	697.026	754.081	0.372	512.775	1434.666	0.998	14.855
2/15/2018 12:00	50400	151.299	21.046	340.375	699.465	756.364	0.374	514.528	1430.115	0.998	14.85
2/15/2018 12:15	51300	151.406	21.049	340.591	701.045	758.771	0.375	515.624	1426.443	0.998	14.852
2/15/2018 12:30	52200	151.409	21.034	340.599	700.898	758.343	0.375	515.674	1426.741	0.998	14.853
2/15/2018 12:45	53100	151.435	21.053	340.612	699.433	756.456	0.374	514.494	1429.73	0.998	14.842
2/15/2018 13:00	54000	151.439	21.045	340.555	698.977	755.877	0.373	511.861	1431.441	0.998	14.847
2/15/2018 13:15	54900	151.357	21.052	340.479	697.583	754.476	0.373	513.044	1431.521	0.998	14.839
2/15/2018 13:30	55800	151.246	21.049	340.407	697.49	754.427	0.373	513.713	1431.713	0.998	14.834
2/15/2018 13:45	56700	151.138	21.058	340.3	699.064	751.654	0.371	511.125	1438.716	0.998	14.837
2/15/2018 14:00	57600	151.235	21.058	340.197	693.721	750.207	0.37	510.141	1441.501	0.998	14.836
2/15/2018 14:15	58500	151.197	21.055	340.11	694.547	751.148	0.371	510.781	1439.786	0.998	14.837
2/15/2018 14:30	59400	151.207	21.057	340.033	696.464	751.193	0.372	511.171	1435.123	0.998	14.835
2/15/2018 14:45	60300	151.122	21.053	340.935	696.789	753.577	0.372	512.433	1435.156	0.998	14.834
2/15/2018 15:00	61200	151.088	21.052	340.858	696.56	753.364	0.372	512.288	1435.626	0.998	14.824
2/15/2018 15:15	62100	151.078	21.048	340.828	696.039	752.874	0.372	511.954	1436.702	0.998	14.829
2/15/2018 15:30	63000	151.095	21.069	340.644	695.613	752.075	0.371	511.411	1437.58	0.998	14.832
2/15/2018 15:45	63900	151.034	21.071	340.687	692.681	748.572	0.37	509.233	1434.666	0.998	14.826
2/15/2018 16:00	64800	151.062	21.062	340.576	692.376	748.9	0.37	509.425	1443.884	0.998	14.827
2/15/2018 16:15	65700	150.988	21.059	340.626	693.608	750.072	0.37	510.049	1441.737	0.998	14.822
2/15/2018 16:30	66600	150.995	21.066	340.644	692.63	748.903	0.37	509.254	1443.771	0.998	14.827
2/15/2018 16:45	67500	150.989	21.045	340.628	692.14	748.382	0.37	508.367	1444.795	0.998	14.827
2/15/2018 17:00	68400	151.039	21.072	340.745	693.146	749.361	0.37	509.566	1442.698	0.998	14.834
2/15/2018 17:15	69300	151.03	21.064	340.677	693.024	749.557	0.37	509.699	1442.756	0.998	14.831
2/15/2018 17:30	70200	151.029	21.075	340.599	691.969	748.796	0.369	508.841	1445.151	0.998	14.829
2/15/2018 17:45	71100	151.039	21.072	340.745	692.863	749.16	0.37	509.361	1441.286	0.998	14.836
2/15/2018 18:00	72000	151.072	21.066	340.821	692.772	749.056	0.37	509.358	1441.477	0.998	14.84
2/15/2018 18:15	72900	151.066	21.081	340.663	692.323	748.323	0.37	508.996	1444.493	0.998	14.84
2/15/2018 18:30	73800	151.098	21.074	340.885	693.385	749.597	0.37	509.726	1442.199	0.998	14.839
2/15/2018 18:45	74700	151.053	21.068	340.777	691.43	747.566	0.369	508.345	1446.279	0.998	14.849
2/15/2018 19:00	75600	151.075	21.075	340.851	691.004	747.011	0.369	507.967	1447.17	0.998	14.843
2/15/2018 19:15	76500	151.096	21.085	340.875	695.391	752.015	0.371	511.37	1438.039	0.998	14.847
2/15/2018 19:30	77400	151.049	21.068	340.768	694.216	750.578	0.37	510.393	1440.475	0.998	14.853
2/15/2018 19:45	78300	151.066	21.058	340.719	694.519	750.823	0.371	510.623	1440.468	0.998	14.849
2/15/2018 20:00	79200	151.077	21.069	340.832	693.249	750.531	0.37	509.681	1442.483	0.998	14.85
2/15/2018 20:15	80100	151.051	21.063	340.725	693.64	750.045	0.37	510.031	1441.669	0.998	14.855
2/15/2018 20:30	81000	151.061	21.073	340.713	693.45	750.081	0.37	509.783	1442.065	0.998	14.852
2/15/2018 20:45	81900	151.068	21.068	340.696	692.096	748.294	0.369	508.84	1444.886	0.998	14.859
2/15/2018 21:00	82800	151.002	21.063	340.658	691.118	747.106	0.369	508.032	1446.931	0.998	14.865
2/15/2018 21:15	83700	151.026	21.063	340.715	689.132	746.297	0.368	507.802	1450.259	0.998	14.867
2/15/2018 21:30	84600	151	21.06	340.633	688.303	746.113	0.367	507.823	1452.849	0.998	14.865
2/15/2018 21:45	85500	150.978	21.072	340.603	690.276	746.262	0.368	508.037	1448.697	0.998	14.869
2/15/2018 22:00	86400	151.002	21.072	340.673	689.953	746.953	0.368	508.248	1449.307	0.998	14.867
2/15/2018 22:15	87300	150.966	21.075	340.577	688.779	746.323	0.367	507.815	1451.845	0.998	14.872
2/15/2018 22:30	88200	150.964	21.064	340.571	690.523	746.659	0.369	507.728	1448.177	0.998	14.87
2/15/2018 22:45	89100	150.939	21.069	340.582	688.382	746.26	0.367	506.097	1451.682	0.998	14.872
2/15/2018 23:00	90000	150.98	21.075	340.609	689.331	745.2	0.368	506.736	1450.682	0.998	14.872
2/15/2018 23:15	90900	150.932	21.078	340.497	688.122	743.849	0.367	505.817	1451.23	0.998	14.87
2/15/2018 23:30	91800	150.917	21.066	340.486	691.741	744.647	0.368	506.36	1451.925	0.998	14.877
2/15/2018 23:45	92700	150.921	21.061	340.471	688.689	744.636	0.368	506.352	1452.034	0.998	14.873
2/16/2018 0:00	93600	150.935	21.073	340.458	691.611	747.69	0.369	506.433	1445.89	0.998	14.874
2/16/2018 0:15	94500	150.964	21.063	340.443	690.486	747.369	0.369	507.369	1446.16	0.998	14.869
2/16/2018 0:30	95400	150.922	21.077	340.474	692.39	748.47	0.37	508.96	1444.272	0.998	14.871
2/16/2018 0:45	96300	150.901	21.063	340.425	692.982	749.332	0.37	509.546	1443.039	0.998	14.873
2/16/2018 1:00	97200	150.895	21.063	340.425	691.1	748.623	0.37	509.775	1443.507	0.998	14.865
2/16/2018 1:15	98100	150.925	21.067	340.482	691.932	748.126	0.369	508.725	1445.23	0.998	14.864
2/16/2018 1:30	99000	150.884	21.063	340.387	692.49	748.795	0.37	509.18	1444.064	0.998	14.868
2/16/2018 1:45	99900	150.876	21.061	340.389	690.989	747.993	0.369	507.993	1447.203	0.998	14.869
2/16/2018 2:00	100800	150.895	21.074	340.411	690.19	746.143	0.368	507.377	1448.876	0.998	14.87
2/16/2018 2:15	101700	150.866	21.056	340.346	693.556	750.052	0.37	510.035	1441.844	0.998	14.865
2/16/2018 2:30	102600	150.817	21.064	340.354	694.559	751.117	0.371	510.796	1439.783	0.998	14.853
2/16/2018 2:45	103500	150.855	21.067	340.32	694.484	750.892	0.371	510.606	1439.919	0.998	14.859
2/16/2018 3:00	104400	150.84	21.07	340.284	695.475	751.914	0.371	511.302	1437.867	0.998	14.859
2/16/2018 3:15	105300	150.875	21.07	340.366	695.553	750.553	0.37	509.696	1441.424	0.998	14.851
2/16/2018 3:30	106200	150.861	21.073	340.333	693.735	749.982	0.37	509.988	1441.472	0.998	14.856
2/16/2018 3:45	107100	150.874	21.064	340.364	691.666	747.883	0.369	508.56	1445.785	0.998	14.848
2/16/2018 4:00	108000	150.862	21.067	340.327	692.386	749.267	0.37				

2/17/2018 1:45	188300	150.512	21.075	347.529	689.245	745.101	0.368	506.669	1450.863	0.998	14.813
2/17/2018 2:00:30	187720	150.517	21.067	347.516	689.216	745.129	0.368	506.729	1450.924	0.998	14.817
2/17/2018 2:15	188100	150.506	21.082	347.514	687.51	743.114	0.367	505.318	1454.524	0.998	14.819
2/17/2018 2:30	189000	150.512	21.064	347.528	689.663	745.717	0.368	507.088	1459.984	0.998	14.813
2/17/2018 2:45	189200	150.503	21.075	347.507	689.245	745.105	0.368	506.671	1452.864	0.998	14.814
2/17/2018 3:00	190800	150.502	21.064	347.504	689.194	745.222	0.368	506.751	1450.969	0.998	14.811
2/17/2018 3:15	191700	150.477	21.072	347.446	688.543	744.392	0.367	506.186	1452.343	0.998	14.816
2/17/2018 3:30	194000	150.482	21.07	347.457	688.39	744.263	0.367	506.099	1452.603	0.998	14.811
2/17/2018 3:45	193500	150.482	21.067	347.458	688.454	744.804	0.368	505.487	1451.485	0.998	14.815
2/17/2018 4:00	194400	150.471	21.067	347.433	689.051	745.02	0.368	506.614	1451.271	0.998	14.801
2/17/2018 4:15	193300	150.481	21.062	347.456	689.099	746.126	0.368	507.305	1449.276	0.998	14.803
2/17/2018 4:30	196300	150.498	21.061	347.496	689.7	745.9	0.368	507.212	1449.737	0.998	14.804
2/17/2018 4:45	197100	150.472	21.063	347.436	690.668	746.834	0.369	507.847	1447.874	0.998	14.8
2/17/2018 5:00	198000	150.461	21.063	347.409	691.73	748.005	0.369	508.643	1445.651	0.998	14.798
2/17/2018 5:15	198900	150.487	21.073	347.469	690.986	747.021	0.368	507.975	1447.207	0.998	14.792
2/17/2018 5:30	199800	150.411	21.072	347.294	689.45	745.377	0.368	506.856	1450.431	0.998	14.796
2/17/2018 5:45	200700	150.379	21.071	347.221	689.115	745.018	0.368	506.612	1451.138	0.998	14.796
2/17/2018 6:00	201600	150.369	21.064	347.105	689.584	745.641	0.368	507.036	1450.15	0.998	14.8
2/17/2018 6:15	202500	150.314	21.062	347.071	692.534	748.868	0.367	509.23	1443.973	0.998	14.796
2/17/2018 6:30	203400	150.282	21.054	347.042	692.028	748.635	0.37	509.071	1444.627	0.998	14.792
2/17/2018 6:45	204300	150.318	21.068	347.047	692.147	746.188	0.368	508.627	1446.927	0.998	14.804
2/17/2018 7:00	205200	150.317	21.064	347.077	689.633	745.684	0.368	507.065	1450.048	0.998	14.801
2/17/2018 7:15	206100	150.275	21.071	346.981	689.454	745.383	0.368	506.861	1450.424	0.998	14.803
2/17/2018 7:30	207000	150.277	21.058	346.985	689.927	746.104	0.368	507.351	1449.429	0.998	14.8
2/17/2018 7:45	207900	150.276	21.069	346.982	689.954	745.964	0.368	507.255	1449.371	0.998	14.805
2/17/2018 8:00	208800	150.273	21.066	346.976	691.472	747.651	0.369	508.403	1446.139	0.998	14.801
2/17/2018 8:15	209700	150.283	21.076	346.998	690.708	746.875	0.369	507.739	1447.789	0.998	14.808
2/17/2018 8:30	210600	150.285	21.068	347.004	688.931	744.866	0.368	506.509	1451.523	0.998	14.807
2/17/2018 8:45	211500	150.283	21.064	346.999	689.831	743.899	0.368	507.211	1449.831	0.998	14.816
2/17/2018 9:00	212400	150.364	21.094	347.014	690.214	746.128	0.368	507.303	1448.826	0.998	14.81
2/17/2018 9:15	213300	150.368	21.069	347.048	690.748	746.826	0.369	507.842	1447.706	0.998	14.81
2/17/2018 9:30	214200	150.367	21.061	347.054	689.963	746.099	0.368	507.347	1449.353	0.998	14.813
2/17/2018 9:45	215100	150.368	21.068	347.061	689.905	745.905	0.368	507.215	1449.525	0.998	14.807
2/17/2018 10:00	216000	150.338	21.074	347.126	688.488	746.129	0.368	506.129	1452.459	0.998	14.811
2/17/2018 10:15	216900	150.346	21.082	347.144	687.544	743.47	0.367	505.56	1454.453	0.998	14.813
2/17/2018 10:30	217800	150.378	21.067	347.167	687.672	743.36	0.367	505.36	1454.185	0.998	14.806
2/17/2018 10:45	218700	150.366	21.069	347.222	688.19	744.365	0.367	505.957	1453.087	0.998	14.807
2/17/2018 11:00	219600	150.396	21.076	347.261	687.805	743.538	0.367	505.066	1453.9	0.998	14.811
2/17/2018 11:15	220500	150.407	21.087	347.297	688.117	743.367	0.367	505.117	1453.014	0.998	14.799
2/17/2018 11:30	221400	150.427	21.068	347.332	687.156	742.957	0.367	505.246	1455.274	0.998	14.806
2/17/2018 11:45	222300	150.436	21.074	347.351	687.471	743.207	0.367	505.381	1454.606	0.998	14.802
2/17/2018 12:00	223200	150.473	21.073	347.407	687.965	743.754	0.367	505.731	1453.561	0.998	14.795
2/17/2018 12:15	224100	150.517	21.077	347.539	687.564	743.253	0.367	505.412	1454.41	0.998	14.783
2/17/2018 12:30	225000	150.525	21.08	347.559	685.422	740.897	0.366	505.81	1454.955	0.998	14.793
2/17/2018 12:45	225900	150.515	21.084	347.614	684.699	740.103	0.365	505.327	1460.495	0.998	14.798
2/17/2018 13:00	226800	150.556	21.084	347.629	683.537	738.803	0.365	502.386	1462.978	0.998	14.78
2/17/2018 13:15	227700	150.579	21.088	347.681	684.152	739.712	0.365	503.004	1461.683	0.998	14.779
2/17/2018 13:30	228600	150.584	21.075	347.695	684.173	739.274	0.365	502.81	1461.61	0.998	14.773
2/17/2018 13:45	229500	150.592	21.077	347.712	682.703	738.002	0.364	502.841	1464.766	0.998	14.766
2/17/2018 14:00	230400	150.604	21.081	347.74	682.952	738.204	0.364	502.978	1464.232	0.998	14.775
2/17/2018 14:15	231300	150.581	21.083	347.633	682.129	737.364	0.364	502.521	1465.57	0.998	14.773
2/17/2018 14:30	232200	150.568	21.073	347.657	683.889	739.347	0.365	502.756	1462.226	0.998	14.767
2/17/2018 14:45	233100	150.562	21.065	347.642	683.398	738.938	0.365	502.478	1463.276	0.998	14.769
2/17/2018 15:00	234000	150.601	21.08	347.733	683.869	739.217	0.365	502.668	1462.269	0.998	14.77
2/17/2018 15:15	234900	150.6	21.069	347.73	682.993	738.442	0.364	502.441	1464.145	0.998	14.768
2/17/2018 15:30	235800	150.579	21.079	347.683	682.521	737.771	0.364	502.684	1465.156	0.998	14.767
2/17/2018 15:45	236700	150.583	21.081	347.685	682.545	737.869	0.364	502.71	1465.105	0.998	14.767
2/17/2018 16:00	237600	150.58	21.067	347.684	682.7	737.967	0.364	502.818	1464.772	0.998	14.764
2/17/2018 16:15	238500	150.564	21.083	347.649	683.555	738.941	0.365	502.48	1464.94	0.998	14.769
2/17/2018 16:30	239400	150.513	21.087	347.529	683.53	739.043	0.365	502.549	1462.994	0.998	14.775
2/17/2018 16:45	240300	150.513	21.078	347.529	682.144	737.351	0.364	502.399	1465.967	0.998	14.76
2/17/2018 17:00	241200	150.495	21.072	347.518	685.059	740.624	0.366	503.625	1459.728	0.998	14.771
2/17/2018 17:15	242100	150.513	21.077	347.517	685.118	740.702	0.366	503.478	1460.63	0.998	14.768
2/17/2018 17:30	243000	150.478	21.075	347.449	684.864	740.368	0.364	503.145	1460.144	0.998	14.763
2/17/2018 17:45	243900	150.462	21.059	347.411	685.797	741.628	0.366	504.307	1458.158	0.998	14.764
2/17/2018 18:00	244800	150.485	21.07	347.465	686.413	742.119	0.366	504.641	1456.848	0.998	14.759
2/17/2018 18:15	245700	150.47	21.074	347.431	684.206	739.675	0.365	502.979	1461.549	0.998	14.764
2/17/2018 18:30	246600	150.452	21.077	347.389	683.855	739.241	0.365	502.684	1462.298	0.998	14.765
2/17/2018 18:45	247500	150.421	21.018	347.387	683.811	738.811	0.365	502.393	1463.065	0.998	14.759
2/17/2018 19:00	248400	150.441	21.082	347.363	682.812	738.04	0.364	502.867	1464.533	0.998	14.757
2/17/2018 19:15	249300	150.402	21.073	347.273	683.75	739.193	0.365	502.651	1462.523	0.998	14.757
2/17/2018 19:30	250200	150.423	21.082	347.317	683.895	739.895	0.365	502.449	1463.149	0.998	14.759
2/17/2018 19:45	251100	150.378	21.079	347.217	682.833	738.111	0.364	502.915	1464.487	0.998	14.76
2/17/2018 20:00	252000	150.374	21.068	347.209	682.581	738.011	0.364	502.847	1465.027	0.998	14.755
2/17/2018 20:15	252900	150.316	21.076	347.175	682.75	738.072	0.364	502.869	1464.665	0.998	14.759
2/17/2018 20:30	253800	150.38	21.074	347.222	684.041	739.491	0.365	502.854	1461.902	0.998	14.752
2/17/2018 20:45	254700	150.345	21.078	347.141	684.818	740.271	0.365	503.384	1460.243	0.998	14.748
2/17/2018 21:00	255600	150.312	21.084	347.025	685.125	740.717	0.366	503.681	1459.489	0.998	14.751
2/17/2018 21:15	256500	150.311	21.069	347.063	683.831	739.142	0.365	502.733	1462.349	0.998	14.751
2/17/2018 21:30	257400	150.319	21.066	347.081	684.583	740.207	0.365	503.341	1460.743	0.998	14.75
2/17/2018 21:45	258300	150.314	21.07	347.119	685.118	740.518	0.366	503.812	1459.766	0.998	14.75
2/17/2018 22:00	259200	150.322	21.077	347.088	684.432	739.877	0.365	503.116	1461.066	0.998	14.748
2/17/2018 22:15	260100	150.249	21.074	347.0							

2/18/2018 20:15	339800	150.706	21.086	347.975	677.175	731.883	0.361	497.68	1476.723	0.998	14.731
2/18/2018 20:30	340200	150.761	21.071	348.021	677.125	732.385	0.361	498.024	1476.178	0.998	14.722
2/18/2018 20:45	341100	150.729	21.07	348.029	678.159	733.196	0.362	498.573	1474.579	0.998	14.73
2/18/2018 21:00	342000	150.752	21.083	348.082	677.385	732.167	0.361	497.874	1476.266	0.998	14.731
2/18/2018 21:15	342900	150.781	21.086	348.148	676.309	731.555	0.361	497.085	1473.497	0.998	14.729
2/18/2018 21:30	343800	150.791	21.079	348.173	677.167	731.985	0.361	497.75	1476.741	0.998	14.73
2/18/2018 21:45	344700	150.802	21.087	348.197	676.013	730.62	0.36	496.822	1479.262	0.998	14.734
2/18/2018 22:00	345600	150.789	21.09	348.166	675.451	729.867	0.36	496.377	1480.492	0.998	14.734
2/18/2018 22:15	346500	150.777	21.089	348.143	676.387	731.515	0.361	497.431	1477.007	0.998	14.736
2/18/2018 22:30	347400	150.817	21.081	348.233	676.779	731.535	0.361	497.444	1477.587	0.998	14.736
2/18/2018 22:45	348300	150.887	21.087	348.355	674.565	729.049	0.358	495.753	1482.486	0.998	14.732
2/18/2018 23:00	349200	150.839	21.09	348.282	674.225	728.636	0.359	495.473	1481.185	0.998	14.73
2/18/2018 23:15	350100	150.85	21.096	348.309	672.433	726.614	0.358	494.097	1487.136	0.998	14.727
2/18/2018 23:30	351000	150.832	21.082	348.313	671.953	726.297	0.358	493.882	1488.2	0.998	14.734
2/18/2018 23:45	351900	150.827	21.08	348.253	674.082	729.322	0.36	495.912	1482.179	0.998	14.729
2/19/2018 0:00	352800	150.818	21.086	348.28	674.219	728.688	0.359	495.508	1483.197	0.998	14.738
2/19/2018 0:15	353700	150.875	21.088	348.666	674.718	729.204	0.36	495.859	1482.102	0.998	14.732
2/19/2018 0:30	354600	150.862	21.079	348.657	674.37	728.969	0.36	495.699	1482.866	0.998	14.728
2/19/2018 0:45	355500	150.874	21.08	348.363	674.842	729.456	0.36	496.03	1481.827	0.998	14.736
2/19/2018 1:00	356400	150.916	21.085	348.461	674.409	728.514	0.359	495.861	1482.781	0.998	14.735
2/19/2018 1:15	357300	150.928	21.088	348.688	674.818	728.178	0.359	495.229	1484.051	0.998	14.734
2/19/2018 1:30	358200	150.902	21.085	348.428	673.844	728.31	0.359	495.251	1484.023	0.998	14.733
2/19/2018 1:45	359100	150.904	21.087	348.433	675.763	730.642	0.36	496.837	1479.81	0.998	14.739
2/19/2018 2:00	360000	150.93	21.084	348.694	675.178	730.017	0.36	496.411	1480.653	0.998	14.732
2/19/2018 2:15	360900	150.96	21.088	348.563	674.558	729.036	0.36	495.744	1482.453	0.998	14.738
2/19/2018 2:30	361800	150.984	21.09	348.617	672.801	726.536	0.358	494.058	1487.43	0.998	14.731
2/19/2018 2:45	362700	151.002	21.089	348.46	672.291	726.57	0.358	494.068	1487.451	0.998	14.731
2/19/2018 3:00	363600	151.015	21.07	348.69	673.471	728.12	0.359	495.121	1484.845	0.998	14.726
2/19/2018 3:15	364500	151.025	21.073	348.711	674.638	729.345	0.36	495.954	1482.277	0.998	14.722
2/19/2018 3:30	365400	150.978	21.068	348.606	677.133	731.972	0.361	497.741	1479.712	0.998	14.725
2/19/2018 3:45	366300	150.999	21.075	348.652	676.013	730.806	0.36	496.948	1479.261	0.998	14.726
2/19/2018 4:00	367200	151.013	21.084	348.685	675.479	730.087	0.36	496.459	1480.431	0.998	14.728
2/19/2018 4:15	368100	151.002	21.082	348.688	674.959	729.458	0.36	496.023	1481.776	0.998	14.725
2/19/2018 4:30	369000	151.053	21.084	348.776	675.024	729.589	0.36	496.12	1481.428	0.998	14.727
2/19/2018 4:45	369900	151.079	21.086	348.837	673.04	727.421	0.359	494.646	1485.795	0.998	14.723
2/19/2018 5:00	370800	151.108	21.08	348.821	672.038	727.038	0.359	494.366	1486.766	0.998	14.725
2/19/2018 5:15	371700	151.092	21.082	348.867	673.907	728.41	0.359	495.319	1483.883	0.998	14.722
2/19/2018 5:30	372600	151.107	21.087	348.901	674.029	728.476	0.359	495.364	1483.615	0.998	14.723
2/19/2018 5:45	373500	151.127	21.084	348.934	673.3	727.955	0.359	494.826	1483.222	0.998	14.725
2/19/2018 6:00	374400	151.088	21.087	348.858	672.685	727.028	0.358	494.379	1483.581	0.998	14.725
2/19/2018 6:15	375300	151.092	21.076	348.866	672.126	726.575	0.358	494.071	1487.816	0.998	14.73
2/19/2018 6:30	376200	151.113	21.081	348.965	672.126	726.608	0.358	494.085	1487.596	0.998	14.726
2/19/2018 6:45	377100	151.113	21.078	348.915	673.096	727.596	0.358	494.765	1485.673	0.998	14.724
2/19/2018 7:00	378000	151.132	21.082	348.905	676.105	730.792	0.361	496.939	1479.061	0.998	14.722
2/19/2018 7:15	378900	151.147	21.077	348.942	675.094	730.411	0.36	496.693	1479.96	0.998	14.725
2/19/2018 7:30	379800	151.144	21.08	348.987	676.427	731.176	0.361	497.2	1478.355	0.998	14.726
2/19/2018 7:45	380700	151.176	21.092	348.962	674.503	728.91	0.36	495.659	1482.574	0.998	14.722
2/19/2018 8:00	381600	151.187	21.084	348.912	671.754	726.008	0.358	494.686	1483.008	0.998	14.731
2/19/2018 8:15	382500	151.158	21.083	348.919	671.934	726.274	0.358	494.829	1486.24	0.998	14.737
2/19/2018 8:30	383400	151.17	21.074	348.947	672.85	727.395	0.359	494.628	1486.216	0.998	14.743
2/19/2018 8:45	384300	151.188	21.082	348.969	671.7	726.033	0.358	494.753	1485.703	0.998	14.745
2/19/2018 9:00	385200	151.188	21.075	348.988	672.696	727.214	0.358	494.505	1486.556	0.998	14.74
2/19/2018 9:15	386100	151.191	21.086	348.995	671.029	725.244	0.358	493.166	1490.249	0.998	14.743
2/19/2018 9:30	387000	151.205	21.087	349.037	670.966	724.776	0.358	493.096	1491.848	0.998	14.747
2/19/2018 9:45	387900	151.216	21.085	349.138	670.912	725.142	0.358	492.997	1490.509	0.998	14.754
2/19/2018 10:00	388800	151.247	21.079	349.226	674.057	728.776	0.359	495.568	1483.553	0.998	14.755
2/19/2018 10:15	389700	151.213	21.08	349.146	672.46	727.359	0.358	494.435	1486.635	0.998	14.752
2/19/2018 10:30	390600	151.264	21.066	349.263	673.603	727.565	0.359	494.745	1485.818	0.998	14.754
2/19/2018 10:45	391500	151.272	21.082	349.283	670.922	725.078	0.358	493.053	1490.486	0.998	14.749
2/19/2018 11:00	392400	151.268	21.08	349.276	670.22	724.446	0.357	492.623	1492.047	0.998	14.752
2/19/2018 11:15	393300	151.25	21.09	349.232	670.232	724.441	0.357	492.62	1492.02	0.998	14.748
2/19/2018 11:30	394200	151.295	21.08	349.316	670.569	724.842	0.357	492.893	1491.272	0.998	14.751
2/19/2018 11:45	395100	151.305	21.09	349.312	670.712	724.839	0.357	492.893	1490.952	0.998	14.752
2/19/2018 12:00	396000	151.309	21.079	349.367	671.811	726.194	0.358	493.812	1488.513	0.998	14.752
2/19/2018 12:15	396900	151.278	21.092	349.296	671.233	725.376	0.358	493.256	1489.795	0.998	14.739
2/19/2018 12:30	397800	151.323	21.074	349.4	672.315	726.4	0.358	494.088	1487.872	0.998	14.738
2/19/2018 12:45	398700	151.307	21.075	349.363	672.407	726.896	0.359	494.289	1487.195	0.998	14.74
2/19/2018 13:00	399600	151.332	21.075	349.421	671.998	726.462	0.358	493.994	1488.1	0.998	14.747
2/19/2018 13:15	400500	151.343	21.077	349.442	671.945	726.547	0.358	493.985	1487.386	0.998	14.745
2/19/2018 13:30	401400	151.32	21.079	349.418	671.08	725.4	0.358	493.272	1490.135	0.998	14.746
2/19/2018 13:45	402300	151.374	21.09	349.518	670.507	726.62	0.357	492.741	1491.409	0.998	14.734
2/19/2018 14:00	403200	151.373	21.076	349.516	671.866	728.19	0.358	493.81	1488.524	0.998	14.735
2/19/2018 14:15	404100	151.393	21.078	349.561	671.654	726.038	0.358	493.706	1488.862	0.998	14.737
2/19/2018 14:30	405000	151.409	21.072	349.598	671.782	726.264	0.358	493.86	1488.577	0.998	14.735
2/19/2018 14:45	405900	151.388	21.081	349.551	671.031	725.132	0.358	493.226	1490.266	0.998	14.732
2/19/2018 15:00	406800	151.391	21.095	349.558	668.929	722.842	0.356	493.532	1494.926	0.998	14.744
2/19/2018 15:15	407700	151.382	21.082	349.538	668.993	723.1	0.357	493.708	1494.783	0.998	14.734
2/19/2018 15:30	408600	151.325	21.087	349.527	671.025	725.488	0.358	493.305	1490.258	0.998	14.742
2/19/2018 15:45	409500	151.392	21.086	349.56	671.591	726.01	0.358	493.687	1490.002	0.998	14.742
2/19/2018 16:00	410400	151.408	21.089	349.595	669.883	723.963	0.357	492.295	1492.798	0.998	14.739
2/19/2018 16:15	411300	151.405	21.085	349.579	672.142	727.12	0.359	494.442	1488.455	0.998	14.742
2/19/2018 16:30	412200	151.39	21.085	349.556	672.996	727.387	0.359	494.623	1485.894	0.998	14.747
2/19/2018 16:45	413100	151.36	21.084	349.485	671.521	725.805	0.358	493.			

2/20/2018 14:45	493200	151.583	21.075	350	671.964	726.424	0.358	493.968	1488.175	0.998	14.833
2/20/2018 15:00:30	493200	151.602	21.083	350.083	671.127	725.307	0.358	493.208	1489.932	0.998	14.833
2/20/2018 15:15	494100	151.617	21.077	350.079	671.625	726.027	0.358	493.698	1488.926	0.998	14.827
2/20/2018 15:30	495000	151.617	21.073	350.08	672.511	727.047	0.359	494.392	1488.965	0.998	14.833
2/20/2018 15:45:14	495000	151.625	21.09	350.086	671.856	726.863	0.358	493.736	1488.414	0.998	14.833
2/20/2018 16:00	496800	151.637	21.086	350.126	671.505	725.767	0.358	493.521	1489.192	0.998	14.835
2/20/2018 16:15	497700	151.579	21.087	349.992	672.03	726.316	0.358	493.895	1488.029	0.998	14.834
2/20/2018 16:30	499600	151.592	21.086	350.021	671.981	726.274	0.358	493.867	1488.137	0.998	14.831
2/20/2018 16:45	499500	151.549	21.079	350.137	673.102	727.096	0.359	494.765	1486.659	0.998	14.827
2/20/2018 17:00	500400	151.63	21.088	350.109	674.357	728.813	0.36	495.593	1484.823	0.998	14.834
2/20/2018 17:15	501300	151.573	21.079	350.101	673.489	728.114	0.359	495.117	1484.584	0.998	14.827
2/20/2018 17:30	502200	151.622	21.092	350.091	674.414	725.796	0.358	495.541	1485.951	0.998	14.832
2/20/2018 17:45	501100	151.581	21.075	349.997	673.129	727.48	0.359	494.822	1485.599	0.998	14.829
2/20/2018 18:00	504000	151.573	21.085	349.978	672.721	727.089	0.359	494.422	1486.5	0.998	14.836
2/20/2018 18:15	504900	151.563	21.085	349.955	673.178	727.445	0.359	494.798	1485.491	0.998	14.832
2/20/2018 18:30	505800	151.588	21.081	350.011	672.117	726.491	0.358	494.014	1487.835	0.998	14.83
2/20/2018 18:45	506700	151.588	21.08	349.896	672.761	727.208	0.359	494.501	1488.413	0.998	14.837
2/20/2018 19:00	507600	151.549	21.084	349.923	672.71	727.093	0.359	494.623	1486.524	0.998	14.832
2/20/2018 19:15	508500	151.548	21.065	349.919	673.632	728.378	0.359	495.297	1484.491	0.998	14.826
2/20/2018 19:30	509400	151.521	21.076	349.858	675.743	730.487	0.36	496.731	1479.853	0.998	14.825
2/20/2018 19:45	510300	151.464	21.089	349.725	674.587	729.051	0.36	495.755	1482.389	0.998	14.833
2/20/2018 20:00	511200	151.458	21.076	349.713	675.388	730.115	0.36	496.478	1480.63	0.998	14.834
2/20/2018 20:15	512100	151.453	21.077	349.654	674.03	728.532	0.359	495.47	1483.615	0.998	14.837
2/20/2018 20:30	513000	151.451	21.07	349.696	675.189	729.99	0.36	496.063	1481.066	0.998	14.834
2/20/2018 20:45	513900	151.4	21.08	349.579	675.799	730.489	0.36	496.733	1479.729	0.998	14.843
2/20/2018 21:00	514800	151.387	21.07	349.449	676.571	731.479	0.361	497.406	1478.042	0.998	14.838
2/20/2018 21:15	515700	151.359	21.076	349.483	677.427	732.114	0.361	497.973	1476.174	0.998	14.846
2/20/2018 21:30	516600	151.349	21.069	349.46	677.701	732.709	0.362	498.242	1475.578	0.998	14.833
2/20/2018 21:45	517500	151.319	21.085	349.392	676.206	730.863	0.361	498.988	1474.839	0.998	14.84
2/20/2018 22:00	518400	151.136	21.078	349.485	675.35	730.942	0.36	498.714	1480.714	0.998	14.838
2/20/2018 22:15	519300	151.319	21.083	349.391	675.29	729.893	0.36	498.327	1480.846	0.998	14.835
2/20/2018 22:30	520200	151.312	21.081	349.375	675.251	729.889	0.36	498.324	1480.932	0.998	14.836
2/20/2018 22:45	521100	151.356	21.075	349.453	676.453	730.448	0.36	498.705	1479.612	0.998	14.829
2/20/2018 23:00	522000	151.354	21.082	349.472	675.192	729.811	0.36	498.272	1481.059	0.998	14.837
2/20/2018 23:15	522900	151.308	21.081	349.365	676.524	731.096	0.361	497.553	1477.27	0.998	14.842
2/20/2018 23:30	523800	151.347	21.082	349.454	677.024	731.786	0.361	497.615	1477.053	0.998	14.837
2/20/2018 23:45	524700	151.354	21.087	349.472	675.403	729.952	0.36	496.367	1480.598	0.998	14.833
2/21/2018 0:00	525600	151.327	21.071	349.41	675.866	730.704	0.36	496.878	1479.584	0.998	14.829
2/21/2018 0:15	526500	151.319	21.069	349.418	677.117	731.363	0.361	497.854	1479.734	0.998	14.837
2/21/2018 0:30	527400	151.368	21.068	349.504	678.588	733.685	0.36	498.906	1473.648	0.998	14.83
2/21/2018 0:45	528300	151.342	21.075	349.445	681.432	736.46	0.364	500.929	1467.498	0.998	14.834
2/21/2018 1:00	529200	151.459	21.07	349.442	681.243	736.332	0.363	500.841	1467.904	0.998	14.837
2/21/2018 1:15	530100	151.372	21.075	349.513	680.778	735.948	0.363	500.445	1468.907	0.998	14.823
2/21/2018 1:30	531000	151.404	21.083	349.587	678.96	733.866	0.362	499.029	1472.841	0.998	14.821
2/21/2018 1:45	531900	151.401	21.091	349.593	677.056	731.487	0.361	498.547	1473.983	0.998	14.827
2/21/2018 2:00	532800	151.4	21.079	349.577	676.368	731.117	0.361	497.176	1478.486	0.998	14.826
2/21/2018 2:15	533700	151.435	21.071	349.612	677.199	732.144	0.361	497.858	1476.67	0.998	14.818
2/21/2018 2:30	534600	151.319	21.081	349.555	677.587	732.411	0.361	498.039	1475.826	0.998	14.825
2/21/2018 2:45	535500	151.402	21.087	349.583	676.728	731.395	0.361	497.699	1477.699	0.998	14.821
2/21/2018 3:00	536400	151.408	21.091	349.597	675.812	730.346	0.36	496.636	1479.701	0.998	14.815
2/21/2018 3:15	537300	151.409	21.075	349.615	676.8	731.802	0.361	497.354	1477.541	0.998	14.807
2/21/2018 3:30	538200	151.425	21.077	349.635	676.853	731.671	0.36	497.536	1477.426	0.998	14.82
2/21/2018 3:45	539100	151.479	21.08	349.761	676.564	731.315	0.361	497.294	1478.056	0.998	14.821
2/21/2018 4:00	540000	151.405	21.075	349.645	678.444	733.862	0.362	498.878	1473.524	0.998	14.805
2/21/2018 4:15	540900	151.493	21.076	349.792	678.223	731.18	0.362	498.562	1474.441	0.998	14.808
2/21/2018 4:30	541800	151.5	21.082	349.809	678.036	732.88	0.362	498.359	1474.849	0.998	14.811
2/21/2018 4:45	542700	151.401	21.081	349.802	676.15	730.818	0.361	498.056	1473.742	0.998	14.812
2/21/2018 5:00	543600	151.512	21.085	349.837	674.544	729.057	0.36	495.759	1482.484	0.998	14.82
2/21/2018 5:15	544500	151.465	21.085	349.728	674.492	729.004	0.36	495.723	1482.597	0.998	14.823
2/21/2018 5:30	545400	151.485	21.09	349.771	674.5	728.935	0.36	495.476	1482.58	0.998	14.82
2/21/2018 5:45	546300	151.517	21.079	349.848	674.879	729.508	0.36	496.066	1481.747	0.998	14.821
2/21/2018 6:00	547200	151.527	21.079	349.872	677.434	732.272	0.361	497.945	1476.199	0.998	14.822
2/21/2018 6:15	548100	151.538	21.082	349.896	677.609	732.415	0.361	498.042	1475.778	0.998	14.82
2/21/2018 6:30	549000	151.549	21.088	349.921	679.979	734.888	0.363	499.724	1470.633	0.998	14.816
2/21/2018 6:45	549900	151.521	21.07	349.857	680.626	735.809	0.363	500.384	1469.235	0.998	14.823
2/21/2018 7:00	550800	151.519	21.08	349.852	679.186	734.156	0.36	499.226	1470.344	0.998	14.828
2/21/2018 7:15	551700	151.554	21.077	349.933	678.123	733.054	0.362	498.477	1474.658	0.998	14.83
2/21/2018 7:30	552600	151.56	21.078	349.946	678.704	733.665	0.362	498.893	1473.395	0.998	14.831
2/21/2018 7:45	553500	151.528	21.086	349.985	678.817	733.817	0.362	499.096	1473.033	0.998	14.827
2/21/2018 8:00	554400	151.566	21.08	349.96	678.048	732.916	0.362	498.383	1474.822	0.998	14.822
2/21/2018 8:15	555300	151.581	21.089	349.996	674.794	729.266	0.36	495.901	1481.933	0.998	14.828
2/21/2018 8:30	556200	151.528	21.084	349.943	675.3	729.829	0.36	496.284	1480.824	0.998	14.823
2/21/2018 8:45	557100	151.538	21.078	349.898	676.799	731.606	0.361	497.492	1477.544	0.998	14.827
2/21/2018 9:00	558000	151.527	21.081	349.871	676.719	731.479	0.361	497.406	1477.717	0.998	14.832
2/21/2018 9:15	558900	151.537	21.089	349.889	676.125	730.315	0.36	496.546	1480.082	0.998	14.829
2/21/2018 9:30	559800	151.587	21.071	350.01	675.709	730.537	0.36	496.765	1479.928	0.998	14.825
2/21/2018 9:45	560700	151.576	21.087	349.984	675.474	730.028	0.36	496.419	1480.442	0.998	14.833
2/21/2018 10:00	561600	151.549	21.079	349.919	676.158	731.363	0.361	497.459	1477.616	0.998	14.822
2/21/2018 10:15	562500	151.541	21.067	349.903	676.973	731.953	0.361	497.728	1477.163	0.998	14.83
2/21/2018 10:30	563400	151.575	21.064	349.983	680.152	735.441	0.363	500.1	1470.261	0.998	14.83
2/21/2018 10:45	564300	151.565	21.065	349.985	678.953	734.053	0.362	499.156	1473.953	0.998	14.823
2/21/2018 11:00	565200	151.577	21.084	349.988	679.285	734.198	0.362	499.255	1472.136	0.998	14.826
2/21/2018 11:15	566100	151.573	21.086	349.978	677.11	733.823	0.361	497.64	1476.805	0.998	14.83
2/21/2018 11:30	567000										

Report Date: 2/23/2018 14:44
Report User Name: A\vanhalsma
Report Computer Name: WST34
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties
File Name MPWSP MW-9M_2018-02-21_11-20-52-488.wsl
Create Date 2/21/2018 11:17

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 A\vanhalsma
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: 25
Temperature Coefficient: 0.0191
TDS Factor: 0.68

Log Notes:
Date and Time Note
8/17/2017 11:39 Used Battery: 41% Used Memory: 93% User Name: A\vanhalsma
8/17/2017 12:00 Log Download - Used Battery: 41% Used Memory: 93% User Name: A\vanhalsma 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: A\vanhalsma 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: A\vanhalsma 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: A\vanhalsma 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: A\vanhalsma Interval - Start Time: 10/4/2017 10:00:00 PM Stop Time: 10/12/2017 2:30:00 PM
10/19/2017 11:51 Log Download - Used Battery: 44% Used Memory: 100% User Name: A\vanhalsma Interval - Start Time: 10/11/2017 10:00:00 PM Stop Time: 10/19/2017 12:45:00 PM
10/26/2017 12:29 Log Download - Used Battery: 44% Used Memory: 100% User Name: WMassoll Interval - Start Time: 10/18/2017 10:00:00 PM Stop Time: 10/26/2017 1:15:00 PM
11/2/2017 17:40 Log Download - Used Battery: 45% Used Memory: 100% User Name: WMassoll Interval - Start Time: 9/30/2017 10:00:00 PM Stop Time: 11/2/2017 2:00:00 PM
11/9/2017 13:23 Log Download - Used Battery: 45% Used Memory: 100% User Name: A\vanhalsma Interval - Start Time: 11/1/2017 10:00:00 PM Stop Time: 11/9/2017 2:15:00 PM
11/16/2017 11:30 Log Download - Used Battery: 45% Used Memory: 100% User Name: WMassoll Interval - Start Time: 11/9/2017 10:15:00 AM Stop Time: 11/16/2017 12:15:00 PM
11/23/2017 13:40 Log Download - Used Battery: 46% Used Memory: 100% User Name: A\vanhalsma Interval - Start Time: 11/15/2017 10:00:00 PM Stop Time: 11/23/2017 2:30:00 PM
12/1/2017 8:57 Log Download - Used Battery: 46% Used Memory: 100% User Name: A\vanhalsma Interval - Start Time: 10/31/2017 10:00:00 PM Stop Time: 12/1/2017 8:45:00 AM
12/7/2017 14:46 Log Download - Used Battery: 47% Used Memory: 100% User Name: WMassoll Interval - Start Time: 11/29/2017 10:00:00 PM Stop Time: 12/7/2017 3:45:00 PM
12/14/2017 12:10 Log Download - Used Battery: 47% Used Memory: 100% User Name: WMassoll Interval - Start Time: 12/6/2017 10:00:00 PM Stop Time: 12/14/2017 1:00:00 PM
12/21/2017 9:24 Log Download - Used Battery: 47% Used Memory: 100% User Name: A\vanhalsma Interval - Start Time: 12/13/2017 10:00:00 PM Stop Time: 12/21/2017 10:15:00 AM
1/4/2018 14:22 Log Download - Used Battery: 48% Used Memory: 100% User Name: WMassoll Interval - Start Time: 1/20/2017 10:00:00 PM Stop Time: 1/4/2018 1:15:00 PM
1/11/2018 10:17 Log Download - Used Battery: 48% Used Memory: 100% User Name: A\vanhalsma Interval - Start Time: 1/3/2018 10:00:00 PM Stop Time: 1/11/2018 11:15:00 AM
1/18/2018 11:43 Log Download - Used Battery: 49% Used Memory: 100% User Name: WMassoll Interval - Start Time: 1/10/2018 10:00:00 PM Stop Time: 1/18/2018 12:30:00 PM
1/26/2018 11:19 Log Download - Used Battery: 49% Used Memory: 100% User Name: WMassoll Interval - Start Time: 1/17/2018 10:00:00 PM Stop Time: 1/26/2018 12:15:00 PM
2/1/2018 16:46 Log Download - Used Battery: 49% Used Memory: 100% User Name: WMassoll Interval - Start Time: 12/31/2017 10:00:00 PM Stop Time: 2/1/2018 5:45:00 PM
2/8/2018 10:47 Log Download - Used Battery: 50% Used Memory: 100% User Name: A\vanhalsma Interval - Start Time: 1/31/2018 10:00:00 PM Stop Time: 2/8/2018 11:45:00 AM
2/15/2018 10:25 Log Download - Used Battery: 50% Used Memory: 100% User Name: A\vanhalsma Interval - Start Time: 2/7/2018 10:00:00 PM Stop Time: 2/15/2018 11:15:00 AM
2/21/2018 11:17 Log Download - Used Battery: 51% Used Memory: 100% User Name: WMassoll Interval - Start Time: 2/14/2018 10:00:00 PM Stop Time: 2/21/2018 1:15:00 PM

Log Data:
Record Count 630
Sensors 1
1 410760 PCTD 100 PSIG (70m)231ft

Time Zone: Pacific Standard Time

Date and Time	Elapsed Time Seconds	Sensor: PCTD(G) 231ft SNR: 410760 Pressure (PSI)	Sensor: PCTD(G) 231ft SNR: 410760 Temperature (C)	Sensor: PCTD(G) 231ft SNR: 410760 Depth (ft)	Sensor: PCTD(G) 231ft SNR: 410760 Actual Conductivity (uS)	Sensor: PCTD(G) 231ft SNR: 410760 Specific Conductivity (uS)	Sensor: PCTD(G) 231ft SNR: 410760 Salinity (PSU)	Sensor: PCTD(G) 231ft SNR: 410760 Total Dissolved Solids (ppm)	Sensor: PCTD(G) 231ft SNR: 410760 Resistivity (ohm-cm)	Sensor: PCTD(G) 231ft SNR: 410760 Water Density (g/cm3)
2/15/2018 0:00	7200	70.999	16.821	159.932	37849.330	44856.801	29.152	30502.627	26.42	1.021
2/15/2018 0:15	8100	70.98	16.814	159.889	37844.324	44858.151	29.153	30503.572	26.424	1.021
2/15/2018 0:30	9000	70.996	16.818	159.925	37858.449	44870.566	29.162	30511.988	26.414	1.021
2/15/2018 0:45	9900	70.991	16.813	159.913	37833.109	44845.715	29.144	30495.086	26.432	1.021
2/15/2018 1:00	10800	70.999	16.821	159.933	37863.762	44897.929	29.182	30530.451	26.397	1.021
2/15/2018 1:15	11700	71.003	16.812	159.942	37828.375	44841.066	29.141	30491.328	26.435	1.021
2/15/2018 1:30	12600	70.991	16.817	159.914	37842.617	44853.324	29.15	30500.264	26.425	1.021
2/15/2018 1:45	13500	70.986	16.815	159.903	37850.453	44864.211	29.157	30507.666	26.42	1.021
2/15/2018 2:00	14400	71.006	16.818	159.947	37836.548	44844.727	29.144	30494.416	26.429	1.021
2/15/2018 2:15	15300	71.007	16.823	159.949	37838.07	44840.973	29.141	30491.863	26.428	1.021
2/15/2018 2:30	16200	71.006	16.818	159.948	37882.727	44899.168	29.183	30531.436	26.397	1.021
2/15/2018 2:45	17100	71.004	16.823	159.943	37830.648	44832.551	29.135	30486.135	26.434	1.021
2/15/2018 3:00	18000	70.991	16.82	159.915	37856.891	44865.586	29.159	30509.281	26.415	1.021
2/15/2018 3:15	18900	71.003	16.813	159.942	37841.324	44855	29.151	30501.402	26.426	1.021
2/15/2018 3:30	19800	70.99	16.805	159.911	37851.109	44875.336	29.165	30515.23	26.419	1.021
2/15/2018 3:45	20700	71	16.824	159.935	37876.359	44885.914	29.174	30522.422	26.402	1.021
2/15/2018 4:00	21600	71.004	16.807	159.944	37840.313	44860.66	29.154	30505.25	26.427	1.021
2/15/2018 4:15	22500	70.988	16.814	159.908	37859.609	44875.684	29.166	30515.467	26.413	1.021
2/15/2018 4:30	23400	70.987	16.814	159.905	37837.441	44849.855	29.147	30497.904	26.429	1.021
2/15/2018 4:45	24300	71.002	16.808	159.939	37838.383	44856.77	29.152	30502.605	26.428	1.021
2/15/2018 5:00	25200	70.994	16.812	159.921	37839.336	44852.621	29.15	30500.462	26.428	1.021
2/15/2018 5:15	26100	70.985	16.805	159.901	37837.148	44858.867	29.153	30504.029	26.429	1.021
2/15/2018 5:30	27000	70.986	16.816	159.902	37858.57	44872.594	29.164	30513.365	26.414	1.021
2/15/2018 5:45	27900	70.984	16.814	159.899	37840.973	44854.219	29.15	30500.869	26.426	1.021
2/15/2018 6:00	28800	70.998	16.82	159.913	37835.641	44841.488	29.141	30492.215	26.43	1.021
2/15/2018 6:15	29700	70.981	16.813	159.892	37837.18	44850.352	29.147	30498.242	26.429	1.021
2/15/2018 6:30	30600	70.989	16.819	159.905	37838.828	44846.875	29.145	30495.877	26.428	1.021
2/15/2018 6:45	31500	71.001	16.813	159.941	37842.082	44856.348	29.152	30502.318	26.426	1.021
2/15/2018 7:00	32400	70.996	16.815	159.925	37860.027	44879.555	29.168	30518.411	26.411	1.021
2/15/2018 7:15	33300	70.983	16.804	159.897	37835.793	44857.617	29.152	30503.182	26.43	1.021
2/15/2018 7:30	34200	70.988	16.811	159.908	37823.93	44837.324	29.138	30489.381	26.438	1.021
2/15/2018 7:45	35100	70.991	16.808	159.911	37834.469	44852.84	29.149	30499.934	26.431	1.021
2/15/2018 8:00	36000	71.009	16.809	159.954	37834.215	44851.57	29.148	30499.068	26.431	1.021
2/15/2018 8:15	36900	70.993	16.812	159.919	37850.547	44867.098	29.159	30509.629	26.42	1.021
2/15/2018 8:30	37800	71.002	16.81	159.938	37843.156	44860.465	29.154	30505.119	26.425	1.021
2/15/2018 8:45	38700	71.012	16.82	159.961	37826.102	44830.18	29.133	30484.525	26.437	1.021
2/15/2018 9:00	39600	70.999	16.815	159.933	37827.547	44837.328	29.138	30489.383	26.436	1.021
2/15/2018 9:15	40500	71.021	16.819	159.981	37838.77	44846.068	29.145	30495.338	26.428	1.021
2/15/2018 9:30	41400	71.024	16.815	159.989	37814.094	44821.027	29.126	30478.701	26.445	1.021
2/15/2018 9:45	42300	71.013	16.805	159.963	37814.93	44822.172	29.134	30485.879	26.445	1.021
2/15/2018 10:00	43200	71.014	16.811	159.967	37813.766	44824.734	29.129	30480.822	26.445	1.021
2/15/2018 10:15	44100	71.018	16.82	159.975	37842.113	44848.988	29.147	30497.314	26.426	1.021
2/15/2018 10:30	45000	71.015	16.827	160.013	37856.793	44859.871	29.155	30504.715	26.415	1.021
2/15/2018 10:45	45900	71.018	16.823	159.975	37829.988	44807.535	28.605	29986.326	26.875	1.021
2/15/2018 11:00	46800	71.026	16.818	159.992	37921.091	44945.883	29.217	30563.201	26.37	1.021
2/15/2018 11:15	47700	71.038	16.812	160.02	37815.023	44824.887	29.129	30480.924	26.445	1.021
2/15/2018 11:30	48600	71.028	16.813	159.997	37831.559	44843.598	29.142	30493.648	26.433	1.021
2/15/2018 11:45	49500	71.023	16.805	159.973	37805.793	44822.217	29.167	30485.788	26.438	1.009
2/15/2018 12:00	50400	0.286	19.336	0.644	11812.815	13245.765	7.712	9007.12	84.654	1.004
2/15/2018 12:15	51300.001	71.043	16.942	160.03	38016.551	44931.777	29.213	30553.611	26.304	1.021
2/15/2018 12:30	52200	71.047	16.822	160.04	37895.309	44910.336	29.191	30539.029	26.388	1.021
2/15/2018 12:45	53100	71.051	16.808	160.05	37899.895	44930.039	29.205	30552.43	26.385	1.021

2/15/2018 13:00	54000	71.032	16.81	160.007	37912.344	44942.48	29.214	30560.889	26.377	1.021
2/15/2018 13:15	54900	71.05	16.809	160.047	37938.172	44974.438	29.237	30582.619	26.359	1.021
2/15/2018 13:30	55800	71.026	16.827	159.823	37961.316	44982.513	29.244	30588.395	26.343	1.021
2/15/2018 13:45	56700	71.031	16.814	160.005	37937.551	44968.875	29.233	30578.836	26.359	1.021
2/15/2018 14:00	57600	71.043	16.808	160.031	38006.156	45056.109	29.296	30638.154	26.312	1.021
2/15/2018 14:15	58500	71.025	16.811	159.89	38033.543	45059.953	29.292	30634.648	26.313	1.021
2/15/2018 14:30	59400	71.041	16.817	160.026	38014.398	45056.84	29.297	30638.654	26.306	1.021
2/15/2018 14:45	60300	71.015	16.808	159.969	38019.918	45072.605	29.308	30649.373	26.302	1.021
2/15/2018 15:00	61200	71.027	16.809	159.995	38023.555	45075.305	29.31	30651.209	26.299	1.021
2/15/2018 15:15	62100	71.006	16.81	159.948	38034.234	45075.766	29.31	30651.533	26.299	1.021
2/15/2018 15:30	63000	71.02	16.814	159.98	38047.148	45098.665	29.327	30667.055	26.283	1.021
2/15/2018 15:45	63900	71.085	16.815	159.93	38012.434	45055.941	29.296	30638.043	26.307	1.021
2/15/2018 16:00	64800	71.007	16.817	159.95	38013.094	45055.387	29.296	30637.664	26.307	1.021
2/15/2018 16:15	65700	71	16.821	159.935	38033.73	45075.188	29.31	30651.124	26.292	1.021
2/15/2018 16:30	66600	70.975	16.812	159.878	38022.41	45071.523	29.307	30648.639	26.3	1.021
2/15/2018 16:45	67500	70.969	16.822	159.865	38016.258	45053.93	29.295	30636.674	26.305	1.021
2/15/2018 17:00	68400	70.983	16.818	159.895	38048.02	45095.801	29.325	30665.146	26.283	1.021
2/15/2018 17:15	69300	70.971	16.818	159.869	38043.965	45090.27	29.321	30661.395	26.285	1.021
2/15/2018 17:30	70200	70.946	16.811	159.813	38052.996	45108.32	29.334	30673.66	26.279	1.021
2/15/2018 17:45	71100	70.941	16.813	159.803	38036.035	45086.594	29.318	30658.887	26.291	1.021
2/15/2018 18:00	72000	70.94	16.813	159.799	38070.578	45126.832	29.347	30686.246	26.287	1.021
2/15/2018 18:15	72900	70.921	16.805	159.738	38040.203	45098.898	29.326	30672.254	26.288	1.021
2/15/2018 18:30	73800	70.926	16.819	159.768	38045.988	45091.941	29.322	30662.521	26.284	1.021
2/15/2018 18:45	74700	70.935	16.821	159.789	38018.039	45056.855	29.297	30638.664	26.303	1.021
2/15/2018 19:00	75600	70.919	16.812	159.752	38010.504	45057.234	29.297	30638.822	26.309	1.021
2/15/2018 19:15	76500	70.923	16.822	159.761	38049.355	45092.625	29.323	30662.986	26.282	1.021
2/15/2018 19:30	77400	70.924	16.809	159.763	38020.418	45071.406	29.307	30648.559	26.302	1.021
2/15/2018 19:45	78300	70.905	16.815	159.719	38002.953	45044.781	29.288	30630.453	26.314	1.021
2/15/2018 20:00	79200	70.92	16.814	159.754	38002.914	45046.449	29.289	30631.588	26.314	1.021
2/15/2018 20:15	80100	70.915	16.811	159.743	38015.434	45071.73	29.29	30648.498	26.277	1.021
2/15/2018 20:30	81000	70.914	16.814	159.74	38025.473	45073.008	29.308	30649.648	26.298	1.021
2/15/2018 20:45	81900	70.898	16.826	159.705	38023.629	45058.293	29.298	30639.641	26.299	1.021
2/15/2018 21:00	82800	70.912	16.814	159.736	38064.418	45118.078	29.342	30680.975	26.274	1.021
2/15/2018 21:15	83700	70.911	16.822	159.733	38070.828	45118.344	29.341	30680.475	26.267	1.021
2/15/2018 21:30	84600	70.911	16.814	159.734	38046.383	45097.879	29.326	30666.559	26.284	1.021
2/15/2018 21:45	85500	70.892	16.81	159.691	38067.582	45126.508	29.347	30686.027	26.269	1.021
2/15/2018 22:00	86400	70.913	16.818	159.739	38035.813	45094.727	29.317	30673.613	26.291	1.021
2/15/2018 22:15	87300	70.915	16.812	159.744	38019.715	45068.238	29.305	30646.404	26.302	1.021
2/15/2018 22:30	88200	70.899	16.811	159.708	38031.277	45082.215	29.315	30655.908	26.294	1.021
2/15/2018 22:45	89100	70.915	16.818	159.744	38058.098	45106.926	29.333	30672.711	26.276	1.021
2/15/2018 23:00	90000	70.901	16.82	159.712	38028.375	45096.378	29.306	30662.422	26.295	1.021
2/15/2018 23:15	90900	70.903	16.812	159.716	38042.141	45086.488	29.318	30658.813	26.287	1.021
2/15/2018 23:30	91800	70.923	16.816	159.762	38061.996	45113.707	29.345	30677.322	26.273	1.021
2/15/2018 23:45	92700	70.924	16.813	159.764	38067.875	45124.078	29.338	30684.373	26.269	1.021
2/16/2018 0:00	93600	70.909	16.816	159.737	38050.523	45107.73	29.328	30668.498	26.281	1.021
2/16/2018 0:15	94500	70.914	16.809	159.741	38016.77	45067.168	29.304	30645.676	26.304	1.021
2/16/2018 0:30	95400	70.899	16.819	159.781	38076.422	45128.012	29.348	30687.051	26.263	1.021
2/16/2018 0:45	96300	70.915	16.818	159.743	38024.559	45067.297	29.304	30645.764	26.299	1.021
2/16/2018 1:00	97200	70.917	16.814	159.747	38048.68	45109.602	29.328	30668.412	26.282	1.021
2/16/2018 1:15	98100	70.922	16.815	159.759	38025.027	45071.5	29.307	30648.623	26.298	1.021
2/16/2018 1:30	99000	70.923	16.811	159.76	38014.809	45063.145	29.301	30642.941	26.306	1.021
2/16/2018 1:45	99900	70.924	16.811	159.762	38023.859	45073.609	29.309	30650.057	26.299	1.021
2/16/2018 2:00	100800	70.917	16.817	159.762	38024.754	45084.484	29.305	30645.158	26.291	1.021
2/16/2018 2:15	101700	70.942	16.822	159.804	38058.914	45088.82	29.32	30660.4	26.284	1.021
2/16/2018 2:30	102600	70.94	16.825	159.8	38043.242	45082.957	29.316	30656.412	26.286	1.021
2/16/2018 2:45	103500	70.943	16.818	159.806	38058.255	45087.75	29.329	30659.672	26.289	1.021
2/16/2018 3:00	104400	70.941	16.812	159.802	38054.184	45108.738	29.334	30673.943	26.278	1.021
2/16/2018 3:15	105300	70.92	16.819	159.755	38004.066	45042.625	29.287	30628.986	26.313	1.021
2/16/2018 3:30	106200	70.941	16.812	159.802	38068.523	45125.832	29.346	30685.598	26.268	1.021
2/16/2018 3:45	107100	70.941	16.812	159.801	38051.316	45105.769	29.332	30671.938	26.27	1.021
2/16/2018 4:00	108000	70.94	16.818	159.798	38056.305	45104.988	29.332	30671.395	26.277	1.021
2/16/2018 4:15	108900	70.937	16.823	159.791	38023.699	45061.059	29.3	30641.521	26.299	1.021
2/16/2018 4:30	109800	70.922	16.812	159.759	38066.121	45123.438	29.345	30683.939	26.27	1.021
2/16/2018 4:45	110700	70.921	16.808	159.756	38040.038	45096.038	29.325	30665.134	26.288	1.021
2/16/2018 5:00	111600	70.918	16.809	159.75	38041.805	45096.668	29.325	30665.734	26.287	1.021
2/16/2018 5:15	112500	70.934	16.819	159.785	38036.02	45080.316	29.314	30654.617	26.291	1.021
2/16/2018 5:30	113400	70.918	16.823	159.75	38075.031	45122.254	29.344	30683.135	26.264	1.021
2/16/2018 5:45	114300	70.91	16.825	159.755	38028.414	45097.626	29.313	30664.129	26.281	1.021
2/16/2018 6:00	115200	70.918	16.812	159.749	38051.207	45105.207	29.331	30671.543	26.28	1.021
2/16/2018 6:15	116100	70.919	16.806	159.752	38054.469	45115.266	29.338	30678.383	26.278	1.021
2/16/2018 6:30	117000	70.934	16.812	159.785	38055.492	45110.289	29.335	30674.998	26.277	1.021
2/16/2018 6:45	117900	70.928	16.808	159.755	38038.719	45094.343	29.323	30664.128	26.289	1.021
2/16/2018 7:00	118800	70.915	16.822	159.744	38053.398	45097.949	29.327	30666.607	26.279	1.021
2/16/2018 7:15	119700	70.939	16.816	159.797	38062.176	45114.543	29.338	30677.891	26.273	1.021
2/16/2018 7:30	120600	70.942	16.823	159.803	38046.59	45088.809	29.32	30660.393	26.284	1.021
2/16/2018 7:45	121500	70.921	16.822	159.759	38027.605	45111.785	29.339	30678.075	26.287	1.021
2/16/2018 8:00	122400	70.936	16.816	159.79	38037.629	45095.273	29.317	30665.983	26.29	1.021
2/16/2018 8:15	123300	70.933	16.818	159.784	38067.918	45118.66	29.341	30680.691	26.269	1.021
2/16/2018 8:30	124200	70.925	16.825	159.765	38057.035	45098.777	29.328	30670.617	26.276	1.021
2/16/2018 8:45	125100	70.942	16.821	159.804	38019.434	45105.914	29.32	30672.023	26.279	1.021
2/16/2018 9:00	126000	70.943	16.818	159.806	38084.32	45138.73	29.356	30694.34	26.258	1.021
2/16/2018 9:15	126900	70.94	16.828	159.799	38053.477	45091.684	29.323	30669.148	26.279	1.021
2/16/2018 9:30	127800	70.945	16.825	159.811	38047.127	45107.273	29.319	30675.348	26.281	1.021
2/16/2018 9:45	128700	70.946	16.824	159.812	38056.469	45098.802	29.328	30667.256	26.277	1.021
2/16/2018 10:00	129600	70.948	16.837	159.817	38060.348	45090.965	29.323	30661.857	26.274	1.021
2/16/2018 10:15	130500	70.957	16.83	159.839	38065.996	45104.105	29.332	30670.793	26.27	1.021
2/16/2018 10:30	131400	70.952	16.822	159.823	38091.082	45091.855	29.323	30662.465	26.282	1.021
2/16/2018 10:45	132300	70.952	16.818	159.827	38058.551					

2/17/2018 8:15	191700	70.901	16.822	159.712	38037.531	45079.145	29.313	30653.82	26.29	1.021
2/17/2018 8:30	192600	70.901	16.816	159.711	38058.398	45109.441	29.335	30674.422	26.275	1.021
2/17/2018 8:45	193500	70.891	16.816	159.715	38040.215	45086.512	29.32	30660.189	26.288	1.021
2/17/2018 4:00	194400	70.886	16.821	159.687	38065.484	45111.372	29.338	30676.959	26.271	1.021
2/17/2018 4:15	195300	70.902	16.817	159.703	38050.238	45099.496	29.328	30667.66	26.281	1.021
2/17/2018 4:30	196200	70.884	16.822	159.676	38058.676	45103.762	29.331	30670.573	26.273	1.021
2/17/2018 4:45	197100	70.888	16.821	159.704	38048.029	45092.648	29.323	30663.004	26.263	1.021
2/17/2018 5:00	198000	70.879	16.82	159.662	38019.391	45059.09	29.299	30640.182	26.302	1.021
2/17/2018 5:15	198900	70.878	16.812	159.659	38066.445	45121.094	29.344	30683.705	26.27	1.021
2/17/2018 5:30	199800	70.897	16.823	159.701	38057.777	45101.715	29.33	30669.165	26.278	1.021
2/17/2018 5:45	200700	70.893	16.818	159.694	38046.543	45093.418	29.323	30663.527	26.284	1.021
2/17/2018 6:00	201600	70.889	16.812	159.685	38044.238	45097.043	29.326	30665.99	26.285	1.021
2/17/2018 6:15	202500	70.877	16.816	159.657	38034.527	45080.969	29.314	30655.061	26.292	1.021
2/17/2018 6:30	203400	70.889	16.823	159.685	38046.366	45098.825	29.321	30661.627	26.321	1.021
2/17/2018 6:45	204300	70.889	16.815	159.684	38064.789	45118.18	29.341	30680.365	26.271	1.021
2/17/2018 7:00	205200	70.892	16.819	159.691	38045.676	45091.309	29.322	30662.092	26.284	1.021
2/17/2018 7:15	206100	70.885	16.814	159.676	38067.109	45121.559	29.343	30682.66	26.269	1.021
2/17/2018 7:30	207000	70.888	16.815	159.683	38068.762	45111.484	29.336	30675.813	26.275	1.021
2/17/2018 7:45	207900	70.87	16.818	159.642	38066.73	45117.789	29.341	30680.1	26.27	1.021
2/17/2018 8:00	208800	70.871	16.817	159.643	38051.121	45100.27	29.328	30668.184	26.28	1.021
2/17/2018 8:15	209700	70.885	16.824	159.675	38069.355	45114.27	29.339	30677.703	26.268	1.021
2/17/2018 8:30	210600	70.888	16.815	159.682	38045.867	45098.01	29.328	30666.689	26.284	1.021
2/17/2018 8:45	211500	70.876	16.811	159.655	38043.16	45096.488	29.325	30665.615	26.286	1.021
2/17/2018 9:00	212400	70.888	16.823	159.683	38051.602	45094.844	29.325	30664.496	26.28	1.021
2/17/2018 9:15	213300	70.89	16.827	159.686	38050.574	45089.148	29.321	30660.621	26.281	1.021
2/17/2018 9:30	214200	70.894	16.825	159.699	38077.234	45123.07	29.345	30681.689	26.262	1.021
2/17/2018 9:45	215100	70.899	16.815	159.706	38042.027	45091.555	29.322	30662.26	26.287	1.021
2/17/2018 10:00	216000	70.899	16.812	159.706	38038.211	45089.898	29.32	30661.133	26.289	1.021
2/17/2018 10:15	216900	70.896	16.823	159.7	38037.012	45077.289	29.312	30652.557	26.29	1.021
2/17/2018 10:30	217800	70.901	16.824	159.711	38065.539	45108.836	29.335	30674.689	26.27	1.021
2/17/2018 10:45	218700	70.903	16.815	159.716	38058.129	45110.18	29.335	30674.924	26.276	1.021
2/17/2018 11:00	219600	70.908	16.827	159.728	38069.762	45111.961	29.337	30676.135	26.268	1.021
2/17/2018 11:15	220500	70.909	16.814	159.712	38055.672	45103.836	29.33	30682.17	26.27	1.021
2/17/2018 11:30	221400	70.914	16.82	159.741	38070.289	45119.496	29.342	30681.26	26.267	1.021
2/17/2018 11:45	222300	70.899	16.818	159.708	38035.313	45080.316	29.314	30654.617	26.291	1.021
2/17/2018 12:00	223200	70.915	16.816	159.744	38043.527	45092.168	29.322	30662.676	26.286	1.021
2/17/2018 12:15	224100	70.924	16.816	159.764	38055.031	45096.02	29.325	30665.295	26.291	1.021
2/17/2018 12:30	225000	70.925	16.814	159.765	38012.473	45057.25	29.297	30638.932	26.307	1.021
2/17/2018 12:45	225900	70.928	16.808	159.772	38021.824	45074.586	29.309	30650.721	26.301	1.021
2/17/2018 13:00	226800	70.925	16.823	159.765	38056.148	45099.969	29.328	30667.98	26.277	1.021
2/17/2018 13:15	227700	70.911	16.82	159.793	38062.469	45110.586	29.336	30675.193	26.273	1.021
2/17/2018 13:30	228600	70.93	16.816	159.777	38047.746	45097.138	29.326	30666.074	26.283	1.021
2/17/2018 13:45	229500	70.93	16.816	159.788	38067.695	45120.91	29.343	30682.221	26.269	1.021
2/17/2018 14:00	230400	70.915	16.816	159.742	38043.512	45091.977	29.322	30662.547	26.286	1.021
2/17/2018 14:15	231300	70.931	16.817	159.779	38041.195	45088.602	29.32	30662.152	26.287	1.021
2/17/2018 14:30	232200	70.93	16.817	159.778	38054.832	45103.953	29.331	30670.689	26.278	1.021
2/17/2018 14:45	233100	70.914	16.811	159.74	38022.402	45072.598	29.308	30649.369	26.3	1.021
2/17/2018 15:00	234000	70.923	16.817	159.761	38067.688	45119.906	29.342	30681.537	26.269	1.021
2/17/2018 15:15	234900	70.906	16.82	159.722	38068.629	45118.059	29.341	30680.281	26.268	1.021
2/17/2018 15:30	235800	70.916	16.817	159.745	38055.074	45109.715	29.335	30675.605	26.278	1.021
2/17/2018 15:45	236700	70.898	16.822	159.706	38066.047	45112.227	29.327	30676.314	26.27	1.021
2/17/2018 16:00	237600	70.911	16.802	159.733	38032.246	45092.953	29.322	30663.209	26.293	1.021
2/17/2018 16:15	238500	70.904	16.813	159.711	38019.41	45086.702	29.304	30645.393	26.305	1.021
2/17/2018 16:30	239400	70.885	16.813	159.675	38057.699	45111.84	29.336	30676.053	26.276	1.021
2/17/2018 16:45	240300	70.882	16.805	159.687	38049.941	45110.707	29.335	30675.281	26.281	1.021
2/17/2018 17:00	241200	70.889	16.816	159.684	38056.629	45108.027	29.315	30675.781	26.29	1.021
2/17/2018 17:15	242100	70.882	16.818	159.668	38068.375	45119.375	29.342	30681.178	26.269	1.021
2/17/2018 17:30	243000	70.882	16.813	159.669	38018.918	45066.125	29.303	30644.967	26.303	1.021
2/17/2018 17:45	243900	70.879	16.809	159.661	38027.043	45080.164	29.313	30654.512	26.297	1.021
2/17/2018 18:00	244800	70.869	16.803	159.639	38026.594	45076.591	29.31	30651.783	26.293	1.021
2/17/2018 18:15	245700	70.849	16.811	159.595	38012.867	45060.391	29.299	30641.068	26.307	1.021
2/17/2018 18:30	246600	70.856	16.817	159.609	38045.16	45092.848	29.323	30663.137	26.285	1.021
2/17/2018 18:45	247500	70.852	16.813	159.602	38040.262	45091.426	29.322	30662.172	26.288	1.021
2/17/2018 19:00	248400	70.832	16.815	159.557	38038.484	45104.793	29.358	30696.042	26.292	1.021
2/17/2018 19:15	249300	70.829	16.81	159.549	38016.25	45066.285	29.303	30645.074	26.305	1.021
2/17/2018 19:30	250200	70.824	16.812	159.538	38022.824	45071.66	29.307	30648.729	26.3	1.021
2/17/2018 19:45	251100	70.835	16.81	159.563	38008.973	45057.566	29.297	30639.146	26.31	1.021
2/17/2018 20:00	252000	70.831	16.812	159.553	38012.465	45065.19	29.303	30644.609	26.312	1.021
2/17/2018 20:15	252900	70.814	16.814	159.506	37994.711	45036.273	29.282	30624.608	26.319	1.021
2/17/2018 20:30	253800	70.823	16.826	159.536	38060.07	45101.832	29.33	30669.246	26.274	1.021
2/17/2018 20:45	254700	70.822	16.813	159.534	38028.164	45077.008	29.311	30652.367	26.296	1.021
2/17/2018 21:00	255600	70.824	16.814	159.529	38019.41	45086.702	29.325	30665.393	26.292	1.021
2/17/2018 21:15	256500	70.821	16.817	159.53	38053.465	45103.32	29.33	30670.26	26.279	1.021
2/17/2018 21:30	257400	70.797	16.822	159.478	38058.852	45104.238	29.331	30670.885	26.275	1.021
2/17/2018 21:45	258300	70.816	16.823	159.52	38069.34	45115.863	29.34	30678.789	26.268	1.021
2/17/2018 22:00	259200	70.807	16.817	159.498	38011.613	45091.289	29.31	30641.480	26.282	1.021
2/17/2018 22:15	260100	70.818	16.817	159.523	38048.246	45094.169	29.326	30666.055	26.282	1.021
2/17/2018 22:30	261000	70.818	16.812	159.524	38015.289	45092.727	29.312	30642.656	26.305	1.021
2/17/2018 22:45	261900	70.822	16.813	159.534	38028.785	45077.82	29.301	30652.92	26.296	1.021
2/17/2018 23:00	262800	70.822	16.811	159.533	38024.385	45074.71	29.309	30651.893	26.293	1.021
2/17/2018 23:15	263700	70.819	16.801	159.526	38015.711	45065.195	29.302	30644.334	26.305	1.021
2/17/2018 23:30	264600	70.828	16.817	159.546	38008.168	45059.656	29.298	30640.568	26.31	1.021
2/17/2018 23:45	265500	70.815	16.808	159.518	37994.355	45054.672	29.285	30638.134	26.312	1.021
2/18/2018 0:00	266400	70.812	16.813	159.512	38030.738	45080.238	29.313	30654.564	26.295	1.021
2/18/2018 0:15	267300	70.817	16.807	159.523	38039.375	45095.938	29.324	30665.24	26.289	1.021
2/18/2018 0:30	268200	70.83	16.815	159.552	38030.73	45078.164	29.312	30653.154	26.295	1.021
2/18/2018 0:45	269100	70.836	16.812	159.564	38028.219	45094.609	29.337	30670.132	26.291	1.021
2/18/2018 1:00	27000									

2/18/2018 17:30	329400	70.847	16.81	159.59	37999.992	45046.563	29.289	30631.664	26.316	1.021
2/18/2018 17:45	330300	70.848	16.814	159.591	38013.07	45057.855	29.297	30639.344	26.307	1.021
2/18/2018 18:00	331200	70.854	16.808	159.538	37998.008	45046.332	29.289	30631.521	26.317	1.021
2/18/2018 18:15	332100	70.835	16.806	159.583	38000.73	45051.82	29.292	30635.24	26.315	1.021
2/18/2018 18:30	333000	70.817	16.809	159.523	38016.41	45066.914	29.304	30645.504	26.304	1.021
2/18/2018 18:45	333900	70.812	16.811	159.511	38030.551	45086.871	29.315	30656.355	26.295	1.021
2/18/2018 19:00	334800	70.823	16.819	159.535	38028.309	45070.727	29.307	30648.096	26.296	1.021
2/18/2018 19:15	335700	70.821	16.813	159.532	38015.184	45061.801	29.32	30642.027	26.305	1.021
2/18/2018 19:30	336600	70.82	16.809	159.529	38034.938	45089.523	29.33	30660.879	26.292	1.021
2/18/2018 19:45	337500	70.816	16.814	159.532	38005.258	45046.426	29.291	30632.322	26.312	1.021
2/18/2018 20:00	338400	70.797	16.809	159.477	37992.441	45038.148	29.283	30625.941	26.321	1.021
2/18/2018 20:15	339300	70.794	16.817	159.471	38018.199	45060.715	29.3	30641.289	26.303	1.021
2/18/2018 20:30	340200	70.809	16.816	159.504	38006.129	45048.195	29.29	30632.773	26.312	1.021
2/18/2018 20:45	341100	70.803	16.82	159.491	37992.836	45021.513	29.276	30618.719	26.321	1.021
2/18/2018 21:00	342000	70.805	16.813	159.495	38011.766	45057.926	29.297	30639.393	26.308	1.021
2/18/2018 21:15	342900	70.807	16.807	159.495	37997.777	45047.074	29.289	30632.014	26.317	1.021
2/18/2018 21:30	343800	70.801	16.807	159.487	38007.848	45058.824	29.298	30640.002	26.31	1.021
2/18/2018 21:45	344700	70.803	16.818	159.49	37986.344	45022.537	29.272	30615.311	26.325	1.021
2/18/2018 22:00	345600	70.805	16.818	159.495	38000.426	45038.574	29.284	30626.232	26.315	1.021
2/18/2018 22:15	346500	70.787	16.805	159.454	38014.004	45068.188	29.304	30646.367	26.306	1.021
2/18/2018 22:30	347400	70.804	16.807	159.492	38011.285	45063.352	29.301	30643.082	26.308	1.021
2/18/2018 22:45	348300	70.79	16.805	159.462	37993.07	45041.473	29.286	30629.564	26.321	1.021
2/18/2018 23:00	349200	70.793	16.817	159.468	37983.316	45020	29.27	30613.602	26.327	1.021
2/18/2018 23:15	350100	70.795	16.808	159.473	38026	45079.816	29.313	30654.275	26.298	1.021
2/18/2018 23:30	351000	70.817	16.805	159.521	37984.273	45031.383	29.279	30622.703	26.327	1.021
2/18/2018 23:45	351900	70.818	16.811	159.524	38003.758	45050.047	29.291	30614.013	26.313	1.021
2/19/2018 0:00	352800	70.821	16.81	159.531	38001.105	45048.242	29.29	30632.807	26.315	1.021
2/19/2018 0:15	353700	70.814	16.814	159.532	37995.152	45037.07	29.282	30625.209	26.319	1.021
2/19/2018 0:30	354600	70.828	16.812	159.547	38013.504	45060.516	29.299	30641.152	26.306	1.021
2/19/2018 0:45	355500	70.82	16.806	159.520	38016.945	45070.418	29.287	30647.887	26.304	1.021
2/19/2018 1:00	356400	70.821	16.811	159.531	37999.422	45045.613	29.288	30631.02	26.316	1.021
2/19/2018 1:15	357300	70.836	16.823	159.565	38017.266	45053.965	29.295	30636.697	26.304	1.021
2/19/2018 1:30	358200	70.822	16.813	159.532	37998.149	45021.227	29.277	30620.532	26.319	1.021
2/19/2018 1:45	359100	70.829	16.809	159.555	38029.434	45082.184	29.315	30655.885	26.295	1.021
2/19/2018 2:00	360000	70.849	16.814	159.595	38002.379	45044.832	29.288	30630.488	26.314	1.021
2/19/2018 2:15	360900	70.834	16.813	159.561	37984.23	45025.188	29.274	30617.129	26.327	1.021
2/19/2018 2:30	361800	70.856	16.807	159.613	37972.406	45017.078	29.267	30614.135	26.332	1.021
2/19/2018 2:45	362700	70.843	16.811	159.581	38015.156	45033.465	29.301	30643.158	26.305	1.021
2/19/2018 3:00	363600	70.859	16.817	159.616	38021.07	45064.652	29.302	30643.967	26.301	1.021
2/19/2018 3:15	364500	70.864	16.81	159.627	37997.117	45042.883	29.286	30629.162	26.318	1.021
2/19/2018 3:30	365400	70.849	16.8	159.595	37995.445	45051.262	29.292	30643.459	26.313	1.021
2/19/2018 3:45	366300	70.868	16.815	159.638	37994.117	45034.863	29.281	30623.709	26.32	1.021
2/19/2018 4:00	367200	70.866	16.813	159.633	38030.297	45081.773	29.314	30655.607	26.295	1.021
2/19/2018 4:15	368100	70.868	16.822	159.636	38031.168	45071.43	29.308	30648.572	26.294	1.021
2/19/2018 4:30	369000	70.877	16.815	159.642	38007.406	45050.434	29.292	30642.487	26.311	1.021
2/19/2018 4:45	369900	70.868	16.811	159.637	37999.891	45045.195	29.288	30630.734	26.316	1.021
2/19/2018 5:00	370800	70.868	16.812	159.637	37994.719	45038.07	29.283	30625.891	26.319	1.021
2/19/2018 5:15	371700	70.852	16.814	159.602	38022.008	45068.363	29.305	30646.49	26.301	1.021
2/19/2018 5:30	372600	70.852	16.81	159.6	38015.652	45065.309	29.302	30644.161	26.305	1.021
2/19/2018 5:45	373500	70.855	16.808	159.607	38005.387	45054.566	29.295	30637.107	26.312	1.021
2/19/2018 6:00	374400	70.865	16.812	159.613	38026.793	45076.191	29.31	30651.813	26.297	1.021
2/19/2018 6:15	375300	70.864	16.817	159.629	38012.324	45054.02	29.295	30636.786	26.307	1.021
2/19/2018 6:30	376200	70.864	16.804	159.638	37986.777	45036.988	29.282	30625.142	26.325	1.021
2/19/2018 6:45	377100	70.864	16.808	159.627	37999.281	45047.426	29.289	30632.252	26.316	1.021
2/19/2018 7:00	378000	70.846	16.81	159.588	38008.785	45056.902	29.296	30638.095	26.311	1.021
2/19/2018 7:15	378900	70.847	16.805	159.589	37994.758	45044.117	29.287	30630.032	26.315	1.021
2/19/2018 7:30	379800	70.846	16.81	159.588	38000.066	45046.648	29.289	30631.721	26.316	1.021
2/19/2018 7:45	380700	70.843	16.806	159.58	38008.863	45061.641	29.3	30641.918	26.31	1.021
2/19/2018 8:00	381600	70.863	16.806	159.625	37968.699	45031.758	29.265	30609.357	26.337	1.021
2/19/2018 8:15	382500	70.859	16.813	159.617	38010.625	45045.277	29.281	30620.315	26.315	1.021
2/19/2018 8:30	383400	70.856	16.816	159.609	38018.148	45062.441	29.301	30642.461	26.303	1.021
2/19/2018 8:45	384300	70.857	16.811	159.613	38007.914	45054.879	29.295	30637.32	26.31	1.021
2/19/2018 9:00	385200	70.857	16.808	159.612	38012.742	45064.184	29.302	30643.646	26.307	1.021
2/19/2018 9:15	386100	70.841	16.814	159.576	37997.141	45039.332	29.284	30626.718	26.318	1.021
2/19/2018 9:30	387000	70.845	16.806	159.585	38004.391	45056.074	29.296	30638.133	26.313	1.021
2/19/2018 9:45	387900	70.857	16.807	159.613	38002.617	45052.445	29.293	30635.666	26.314	1.021
2/19/2018 10:00	388800	70.843	16.814	159.58	38029.719	45077.945	29.312	30653.006	26.295	1.021
2/19/2018 10:15	389700	70.864	16.818	159.627	37995.356	45077.995	29.28	30627.213	26.315	1.021
2/19/2018 10:30	390600	70.845	16.813	159.584	38014.348	45060.707	29.299	30641.283	26.306	1.021
2/19/2018 10:45	391500	70.863	16.814	159.625	37997.68	45040.247	29.285	30627.367	26.317	1.021
2/19/2018 11:00	392400	70.869	16.805	159.639	37990.094	45064.195	29.284	30627.334	26.321	1.021
2/19/2018 11:15	393300	70.863	16.815	159.645	38003.866	45041.656	29.281	30624.832	26.319	1.021
2/19/2018 11:30	394200	70.869	16.807	159.639	37985.094	45032.121	29.278	30621.844	26.326	1.021
2/19/2018 11:45	395100	70.876	16.814	159.655	38002.848	45046.094	29.289	30631.346	26.314	1.021
2/19/2018 12:00	396000	70.872	16.808	159.647	38026.313	45080.188	29.313	30645.429	26.298	1.021
2/19/2018 12:15	396900	70.881	16.805	159.660	37973.762	45020.303	29.27	30613.384	26.327	1.021
2/19/2018 12:30	397800	70.877	16.808	159.656	38007.738	45060.043	29.298	30640.83	26.31	1.021
2/19/2018 12:45	398700	70.88	16.817	159.663	38005.992	45046.781	29.281	30631.813	26.312	1.021
2/19/2018 13:00	399600	70.887	16.82	159.679	37951.523	44978.828	29.249	30625.605	26.349	1.021
2/19/2018 13:15	400500	70.891	16.805	159.682	38023.648	45073.019	29.308	30649.284	26.302	1.021
2/19/2018 13:30	401400	70.877	16.804	159.657	37993.465	45044.555	29.287	30630.299	26.32	1.021
2/19/2018 13:45	402300	70.878	16.802	159.659	37968.984	45038.117	29.268	30612.322	26.337	1.021
2/19/2018 14:00	403200	70.881	16.815	159.665	37976.576	45057.902	29.261	30605.375	26.338	1.021
2/19/2018 14:15	404100	70.88	16.805	159.664	38005.512	45058.031	29.297	30639.461	26.312	1.021
2/19/2018 14:30	405000	70.898	16.824	159.705	37986.43	45016.449	29.268	30611.188	26.325	1.021
2/19/2018 14:45	405900	70.899	16.813	159.706	37973.664	45021.227	29.264	30608.316	26.334	1.021
2/19/2018 15:00	406800	70.9	16.805	159.709	37990.531	45040.461	29.284	30627.513	26.321	1.021
2/19/2018 15:15										

2/20/2018 7:45	467100	70.854	16.811	159.605	38048.527	45103.195	29.33	30670.176	26.282	1.021
2/20/2018 8:00	468000	70.848	16.814	159.592	38035.941	45085.324	29.317	30658.023	26.291	1.021
2/20/2018 8:15	468900	70.864	16.809	159.627	38022.785	45051.133	29.292	30644.773	26.334	1.021
2/20/2018 8:30	469800	70.859	16.811	159.617	38027.59	45079.375	29.312	30653.295	26.297	1.021
2/20/2018 8:45	470700	70.863	16.812	159.625	38010.504	45057.41	29.297	30639.039	26.309	1.021
2/20/2018 9:00	471600	70.844	16.811	159.583	38017.113	45024.255	29.302	30644.255	26.334	1.021
2/20/2018 9:15	472500	70.856	16.811	159.574	38004.574	45051.094	29.292	30634.744	26.313	1.021
2/20/2018 9:30	473400	70.835	16.807	159.562	37974.891	45019.941	29.269	30613.563	26.333	1.021
2/20/2018 9:45	474300	70.856	16.806	159.61	38000.434	45050.844	29.292	30644.574	26.315	1.021
2/20/2018 10:00	475200	70.852	16.809	159.602	37980.531	45024.052	29.273	30616.766	26.329	1.021
2/20/2018 10:15	476100	70.838	16.809	159.569	37981.719	45026.063	29.274	30617.723	26.328	1.021
2/20/2018 10:30	477000	70.837	16.81	159.568	37977.227	45019.848	29.27	30613.496	26.332	1.021
2/20/2018 10:45	477900	70.848	16.814	159.593	38016.813	45062.742	29.301	30642.666	26.304	1.021
2/20/2018 11:00	478800	70.853	16.809	159.604	37986.867	45011.633	29.278	30615.125	26.325	1.021
2/20/2018 11:15	479700	70.841	16.807	159.576	37983.277	45030.328	29.277	30620.625	26.327	1.021
2/20/2018 11:30	480600	70.838	16.803	159.57	37965.039	45012.367	29.264	30608.412	26.34	1.021
2/20/2018 11:45	481500	70.854	16.812	159.605	37973.473	45012.988	29.265	30608.834	26.334	1.021
2/20/2018 12:00	482400	70.853	16.814	159.602	37978.414	45016.504	29.267	30611.233	26.331	1.021
2/20/2018 12:15	483300	70.84	16.809	159.574	37982.539	45026.852	29.275	30618.262	26.328	1.021
2/20/2018 12:30	484200	70.845	16.807	159.586	37978.848	45024.547	29.273	30616.693	26.33	1.021
2/20/2018 12:45	485100	70.846	16.801	159.588	37967.309	45017.305	29.267	30611.77	26.338	1.021
2/20/2018 13:00	486000	70.848	16.806	159.591	37968.176	45013.328	29.265	30609.021	26.338	1.021
2/20/2018 13:15	486900	70.847	16.8	159.589	37973.043	45024.465	29.272	30616.639	26.334	1.021
2/20/2018 13:30	487800	70.847	16.808	159.589	37985.472	45031.379	29.278	30621.34	26.326	1.021
2/20/2018 13:45	488700	70.85	16.818	159.597	38014.624	45059.082	29.296	30638.139	26.306	1.021
2/20/2018 14:00	489600	70.851	16.813	159.599	37953.905	44988.52	29.247	30592.195	26.348	1.021
2/20/2018 14:15	490500	70.853	16.809	159.603	37990.164	45035.988	29.281	30624.473	26.323	1.021
2/20/2018 14:30	491400	70.871	16.807	159.644	37998.906	45048.598	29.29	30633.049	26.317	1.021
2/20/2018 14:45	492300	70.874	16.798	159.652	37970.043	45022.867	29.271	30615.553	26.337	1.021
2/20/2018 15:00	493200	70.871	16.815	159.641	37998.285	45038.613	29.284	30625.945	26.317	1.021
2/20/2018 15:15	494100	70.857	16.802	159.613	37981.57	45033.133	29.279	30622.531	26.329	1.021
2/20/2018 15:30	495000	70.872	16.808	159.647	38019.152	45017.605	29.307	30648.693	26.303	1.021
2/20/2018 15:45	495900	70.861	16.814	159.622	37997.588	45032.681	29.284	30626.945	26.317	1.021
2/20/2018 16:00	496800	70.865	16.802	159.629	37993.316	45033.926	29.279	30623.072	26.328	1.021
2/20/2018 16:15	497700	70.855	16.807	159.609	37967.316	45011.406	29.263	30607.758	26.338	1.021
2/20/2018 16:30	498600	70.855	16.805	159.609	37956.582	45000.379	29.255	30600.26	26.346	1.021
2/20/2018 16:45	499500	70.871	16.807	159.644	37977.863	45023.277	29.272	30615.833	26.312	1.021
2/20/2018 17:00	500400	70.869	16.803	159.639	37991.461	45043.164	29.286	30629.354	26.322	1.021
2/20/2018 17:15	501300	70.865	16.81	159.631	38003.93	45051.23	29.292	30634.84	26.313	1.021
2/20/2018 17:30	502200	70.851	16.811	159.598	38014.969	45061.785	29.301	30643.377	26.305	1.021
2/20/2018 17:45	503100	70.862	16.81	159.622	38017.438	45067.304	29.304	30645.604	26.304	1.021
2/20/2018 18:00	504000	70.86	16.812	159.619	37993.246	45036.863	29.282	30625.068	26.32	1.021
2/20/2018 18:15	504900	70.842	16.812	159.578	37995.18	45038.977	29.284	30626.506	26.319	1.021
2/20/2018 18:30	505800	70.861	16.805	159.621	37968.266	45014.141	29.265	30609.617	26.338	1.021
2/20/2018 18:45	506700	70.858	16.81	159.615	37951.383	45002.383	29.263	30612.422	26.307	1.021
2/20/2018 19:00	507600	70.833	16.812	159.559	38001.621	45046.789	29.289	30631.818	26.315	1.021
2/20/2018 19:15	508500	70.835	16.806	159.562	38021.398	45076.152	29.31	30651.785	26.301	1.021
2/20/2018 19:30	509400	70.829	16.803	159.548	37979.309	45059.652	29.276	30620.164	26.33	1.021
2/20/2018 19:45	510300	70.825	16.805	159.541	37976.676	45022.582	29.272	30616.037	26.332	1.021
2/20/2018 20:00	511200	70.827	16.811	159.544	37997.988	45042.848	29.286	30629.139	26.317	1.021
2/20/2018 20:15	512100	70.837	16.812	159.566	37985.867	45050.66	29.292	30618.824	26.326	1.021
2/20/2018 20:30	513000	70.837	16.812	159.568	38004.957	45027.487	29.295	30634.451	26.312	1.021
2/20/2018 20:45	513900	70.812	16.806	159.552	37981.072	45022.702	29.272	30615.487	26.339	1.021
2/20/2018 21:00	514800	70.814	16.815	159.516	38022.84	45068.355	29.305	30646.484	26.3	1.021
2/20/2018 21:15	515700	70.828	16.802	159.548	38001.973	45027.418	29.296	30639.045	26.314	1.021
2/20/2018 21:30	516600	70.812	16.805	159.512	37982.084	45019.633	29.276	30619.473	26.324	1.021
2/20/2018 21:45	517500	70.827	16.801	159.544	37983.109	45036.039	29.281	30624.51	26.327	1.021
2/20/2018 22:00	518400	70.821	16.815	159.53	38024.273	45069.805	29.306	30647.469	26.299	1.021
2/20/2018 22:15	519300	70.823	16.803	159.536	37979.645	45029.344	29.276	30619.955	26.33	1.021
2/20/2018 22:30	520200	70.81	16.805	159.484	37995.5	45047.574	29.287	30630.436	26.321	1.021
2/20/2018 22:45	521100	70.819	16.8	159.526	37980.797	45023.535	29.272	30616.006	26.329	1.021
2/20/2018 23:00	522000	70.821	16.811	159.531	38008.938	45056.637	29.296	30638.516	26.31	1.021
2/20/2018 23:15	522900	70.803	16.809	159.49	38001.766	45049.293	29.291	30633.52	26.315	1.021
2/20/2018 23:30	523800	70.817	16.811	159.521	38006.759	45052.969	29.294	30636.601	26.311	1.021
2/20/2018 23:45	524700	70.821	16.804	159.531	38020.719	45076.863	29.31	30652.27	26.301	1.021
2/21/2018 0:00	525600	70.817	16.815	159.522	38008.949	45051.891	29.293	30635.287	26.31	1.021
2/21/2018 0:15	526500	70.805	16.814	159.496	37983.934	45023.496	29.272	30615.98	26.327	1.021
2/21/2018 0:30	527400	70.81	16.816	159.506	38007.5	45037.934	29.295	30631.311	26.318	1.021
2/21/2018 0:45	528300	70.806	16.816	159.497	38018.352	45061.977	29.3	30642.145	26.303	1.021
2/21/2018 1:00	529200	70.814	16.815	159.515	38023.648	45069.941	29.306	30647.563	26.299	1.021
2/21/2018 1:15	530100	70.813	16.812	159.513	37996.418	45046.715	29.285	30627.688	26.318	1.021
2/21/2018 1:30	531000	70.836	16.804	159.561	38010.095	45065.523	29.302	30644.561	26.308	1.021
2/21/2018 1:45	531900	70.834	16.807	159.562	37997.004	45046.602	29.289	30631.691	26.318	1.021
2/21/2018 2:00	532800	70.826	16.799	159.543	38020.465	45082.305	29.314	30655.967	26.302	1.021
2/21/2018 2:15	533700	70.841	16.809	159.577	38025.781	45079.023	29.312	30653.059	26.298	1.021
2/21/2018 2:30	534600	70.828	16.807	159.547	38004.293	45102.406	29.329	30669.637	26.287	1.021
2/21/2018 2:45	535500	70.846	16.808	159.566	37996.016	45043.727	29.287	30629.736	26.319	1.021
2/21/2018 3:00	536400	70.852	16.805	159.601	38022.98	45090.863	29.324	30661.789	26.293	1.021
2/21/2018 3:15	537300	70.835	16.807	159.563	38003.391	45053.18	29.291	30636.364	26.313	1.021
2/21/2018 3:30	538200	70.858	16.797	159.601	38024.051	45088.512	29.318	30661.911	26.291	1.021
2/21/2018 3:45	539100	70.858	16.802	159.615	37970.984	45015.875	29.269	30635.518	26.336	1.021
2/21/2018 4:00	540000	70.859	16.807	159.616	37990.031	45038.156	29.283	30635.947	26.323	1.021
2/21/2018 4:15	540900	70.843	16.805	159.548	37995.91	45017.008	29.289	30631.965	26.324	1.021
2/21/2018 4:30	541800	70.848	16.811	159.591	38003.176	45049.355	29.291	30633.564	26.314	1.021
2/21/2018 4:45	542700	70.849	16.804	159.594	37987.699	45038.16	29.282	30625.949	26.324	1.021
2/21/2018 5:00	543600	70.864	16.81	159.629	38009.331	45058.32	29.297	30639.66	26.309	1.021
2/21/2018 5:15	544500	70.843	16.8	159.581	38008.93	45054.434	29.295	30637.015	26.311	1.021
2/21/20										

2/21/2018 22:45	37800	70.845	16.941	159.586	37317.59	44106.371	28.618	29.992	26.797	1.021
2/21/2018 23:00	38700	70.844	16.931	159.583	37310.352	44108.02	28.618	29.993	26.802	1.021
2/21/2018 23:15	39600	70.83	16.937	159.551	37306.191	44097.523	28.611	29.986	26.805	1.021
2/21/2018 23:30	40500	70.845	16.941	159.584	37312.539	44100.836	28.614	29.989	26.801	1.021
2/21/2018 23:45	41400	70.848	16.941	159.592	37315.566	44104.152	28.616	29.991	26.798	1.021

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2/15/2018 7:15	33300	26.07	16.936	59.421	4168.159	4927.009	2.667	3.35	239.914	1.001	14.842
2/15/2018 7:30	34200	26.062	16.936	59.402	4167.448	4926.357	2.666	3.35	239.995	1.001	14.846
2/15/2018 7:45	35100	26.058	16.936	59.393	4167.126	4925.836	2.666	3.35	239.874	1.001	14.859
2/15/2018 8:00	36000	26.067	16.936	59.414	4167.141	4925.786	2.666	3.35	239.973	1.001	14.849
2/15/2018 8:15	36900	26.064	16.937	59.405	4165.682	4924.001	2.665	3.34	240.057	1.001	14.856
2/15/2018 8:30	37800	26.064	16.936	59.409	4164.434	4922.634	2.664	3.347	240.129	1.001	14.854
2/15/2018 8:45	38700	26.057	16.936	59.391	4164.336	4922.48	2.664	3.347	240.134	1.001	14.86
2/15/2018 9:00	39600	26.06	16.936	59.399	4163.804	4921.842	2.664	3.347	240.165	1.001	14.858
2/15/2018 9:15	40500	26.059	16.936	59.422	4164.132	4922.112	2.664	3.347	240.143	1.001	14.859
2/15/2018 9:30	41400	26.061	16.936	59.401	4163.634	4921.669	2.664	3.347	240.175	1.001	14.864
2/15/2018 9:45	42300	26.046	16.936	59.388	4162.679	4920.541	2.663	3.346	240.21	1.001	14.872
2/15/2018 10:00	43200	26.051	16.937	59.381	4162.944	4920.796	2.663	3.346	240.215	1.001	14.87
2/15/2018 10:15	44100	26.066	16.936	59.412	4163.235	4921.178	2.663	3.346	240.198	1.001	14.861
2/15/2018 10:30	45000	-0.031	16.941	59.379	4155.791	4911.815	2.658	3.34	240.628	1.001	14.864
2/15/2018 10:45	45900	2.77	13.809	0	10201.657	1295.177	7.483	8.823	240.023	1.005	14.866
2/15/2018 11:00	46800	0	-0.088	0	0	0	0	0	1000000	0.999	14.866
2/15/2018 11:15	47700	26.062	16.955	59.403	4140.92	4892.758	2.647	3.327	241.492	1.001	14.86
2/15/2018 11:30	48600	26.073	16.948	59.428	4123.82	4873.205	2.636	3.324	242.494	1.001	14.847
2/15/2018 11:45	49500	26.064	16.946	59.408	4127.442	4877.817	2.638	3.317	242.281	1.001	14.855
2/15/2018 12:00	50400	26.075	16.943	59.433	4130.365	4881.57	2.64	3.319	242.109	1.001	14.85
2/15/2018 12:15	51300	26.06	16.94	59.398	4140.45	4893.655	2.647	3.328	241.537	1.001	14.852
2/15/2018 12:30	52200	26.056	16.94	59.39	4145.01	4899.218	2.651	3.331	241.254	1.001	14.853
2/15/2018 12:45	53100	26.068	16.941	59.416	4147.523	4902.112	2.652	3.333	241.108	1.001	14.842
2/15/2018 13:00	54000	26.062	16.94	59.403	4148.668	4902.833	2.653	3.334	241.076	1.001	14.847
2/15/2018 13:15	54900	26.065	16.94	59.409	4149.066	4903.985	2.653	3.335	241.018	1.001	14.839
2/15/2018 13:30	55800	26.071	16.94	59.424	4149.9	4904.999	2.654	3.335	240.97	1.001	14.834
2/15/2018 13:45	56700	26.068	16.94	59.417	4150.61	4905.237	2.654	3.336	240.994	1.001	14.837
2/15/2018 14:00	57600	26.062	16.94	59.412	4149.83	4904.965	2.654	3.335	240.974	1.001	14.836
2/15/2018 14:15	58500	26.063	16.941	59.405	4152.195	4907.653	2.655	3.337	240.836	1.001	14.832
2/15/2018 14:30	59400	26.065	16.941	59.417	4151.94	4907.511	2.655	3.337	240.859	1.001	14.837
2/15/2018 14:45	60300	26.065	16.939	59.411	4152.181	4907.771	2.655	3.337	240.817	1.001	14.834
2/15/2018 15:00	61200	26.076	16.939	59.435	4151.652	4907.167	2.655	3.337	240.868	1.001	14.824
2/15/2018 15:15	62100	26.073	16.94	59.427	4151.64	4907.105	2.655	3.337	240.869	1.001	14.826
2/15/2018 15:30	63000	26.075	16.939	59.432	4151.077	4906.458	2.655	3.337	240.901	1.001	14.827
2/15/2018 15:45	63900	26.068	16.939	59.418	4151.802	4907.354	2.655	3.337	240.859	1.001	14.826
2/15/2018 16:00	64800	26.065	16.939	59.411	4152.098	4907.584	2.655	3.337	240.842	1.001	14.827
2/15/2018 16:15	65700	26.072	16.939	59.422	4151.874	4907.487	2.655	3.337	240.855	1.001	14.827
2/15/2018 16:30	66600	26.067	16.939	59.414	4151.982	4907.605	2.655	3.337	240.849	1.001	14.827
2/15/2018 16:45	67500	26.068	16.939	59.417	4152.734	4908.495	2.656	3.338	240.805	1.001	14.827
2/15/2018 17:00	68400	26.069	16.939	59.407	4151.848	4907.429	2.655	3.337	240.857	1.001	14.834
2/15/2018 17:15	69300	26.065	16.939	59.407	4150.947	4906.353	2.655	3.336	240.909	1.001	14.831
2/15/2018 17:30	70200	26.069	16.939	59.42	4151.129	4906.804	2.655	3.337	240.887	1.001	14.827
2/15/2018 17:45	71100	26.064	16.939	59.408	4150.616	4906.285	2.655	3.337	240.904	1.001	14.836
2/15/2018 18:00	72000	26.062	16.939	59.403	4149.725	4904.879	2.654	3.335	240.98	1.001	14.84
2/15/2018 18:15	72900	26.072	16.94	59.426	4148.954	4903.891	2.653	3.335	241.025	1.001	14.84
2/15/2018 18:30	73800	26.068	16.939	59.417	4148.604	4903.347	2.653	3.335	241.057	1.001	14.837
2/15/2018 18:45	74700	26.059	16.939	59.395	4148.539	4903.478	2.653	3.334	241.049	1.001	14.849
2/15/2018 19:00	75600	26.06	16.939	59.399	4147.772	4902.6	2.653	3.334	241.093	1.001	14.848
2/15/2018 19:15	76500	26.061	16.94	59.402	4145.908	4902.33	2.651	3.332	241.202	1.001	14.847
2/15/2018 19:30	77400	26.053	16.94	59.388	4144.819	4898.993	2.65	3.331	241.265	1.001	14.853
2/15/2018 19:45	78300	26.063	16.94	59.406	4145.384	4899.661	2.651	3.332	241.232	1.001	14.848
2/15/2018 20:00	79200	26.064	16.939	59.408	4144.027	4898.145	2.65	3.331	241.311	1.001	14.85
2/15/2018 20:15	80100	26.071	16.94	59.423	4144.423	4898.583	2.65	3.331	241.288	1.001	14.855
2/15/2018 20:30	81000	26.054	16.939	59.384	4144.365	4898.534	2.65	3.331	241.291	1.001	14.864
2/15/2018 20:45	81900	26.062	16.94	59.402	4143.23	4897.126	2.649	3.331	241.358	1.001	14.859
2/15/2018 21:00	82800	26.059	16.939	59.396	4143.099	4896.813	2.649	3.331	241.365	1.001	14.865
2/15/2018 21:15	83700	26.061	16.94	59.4	4141.618	4895.162	2.648	3.329	241.452	1.001	14.867
2/15/2018 21:30	84600	26.061	16.94	59.402	4141.759	4895.367	2.648	3.329	241.443	1.001	14.865
2/15/2018 21:45	85500	26.061	16.94	59.4	4141.065	4894.484	2.648	3.329	241.484	1.001	14.866
2/15/2018 22:00	86400	26.06	16.939	59.399	4142.232	4895.508	2.648	3.329	241.416	1.001	14.869
2/15/2018 22:15	87300	26.057	16.94	59.393	4142.014	4895.688	2.648	3.329	241.428	1.001	14.872
2/15/2018 22:30	88200	26.062	16.94	59.404	4140.137	4894.117	2.648	3.329	241.504	1.001	14.87
2/15/2018 22:45	89100	26.062	16.941	59.402	4140.029	4893.254	2.647	3.327	241.544	1.001	14.872
2/15/2018 23:00	90000	26.061	16.94	59.401	4140.992	4894.508	2.648	3.328	241.488	1.001	14.872
2/15/2018 23:15	90900	26.061	16.941	59.402	4141.517	4895.022	2.648	3.328	241.457	1.001	14.87
2/15/2018 23:30	91800	26.057	16.94	59.393	4140.613	4894.032	2.648	3.328	241.51	1.001	14.877
2/15/2018 23:45	92700	26.057	16.94	59.391	4140.761	4894.196	2.648	3.328	241.502	1.001	14.873
2/16/2018 0:00	93600	26.061	16.94	59.406	4142.029	4895.026	2.649	3.329	241.423	1.001	14.873
2/16/2018 0:15	94500	26.06	16.939	59.399	4141.707	4895.268	2.648	3.329	241.446	1.001	14.869
2/16/2018 0:30	95400	26.058	16.94	59.393	4141.92	4895.616	2.649	3.329	241.434	1.001	14.871
2/16/2018 0:45	96300	26.061	16.94	59.396	4142.429	4896.071	2.649	3.329	241.404	1.001	14.873
2/16/2018 1:00	97200	26.065	16.941	59.41	4143.689	4897.618	2.65	3.33	241.331	1.001	14.865
2/16/2018 1:15	98100	26.075	16.941	59.433	4143.295	4897.105	2.649	3.33	241.354	1.001	14.864
2/16/2018 1:30	99000	26.064	16.94	59.408	4142.623	4896.188	2.649	3.33	241.393	1.001	14.868
2/16/2018 1:45	99900	26.073	16.941	59.429	4143.096	4896.888	2.649	3.33	241.365	1.001	14.862
2/16/2018 2:00	100700	26.062	16.941	59.403	4143.416	4897.247	2.649	3.33	241.347	1.001	14.867
2/16/2018 2:15	101600	26.061	16.94	59.413	4142.842	4896.875	2.649	3.33	241.38	1.001	14.87
2/16/2018 2:30	102500	26.07	16.941	59.421	4142.993	4896.615	2.649	3.33	241.371	1.001	14.865
2/16/2018 2:45	103500	26.061	16.94	59.413	4143.983	4898.063	2.65	3.331	241.314	1.001	14.859
2/16/2018 3:00	104400	26.065	16.939	59.41	4143.864	4897.568	2.65	3.331	241.319	1.001	14.859
2/16/2018 3:15	105300	26.068	16.939	59.418	4145.899	4899.697	2.652	3.332	241.232	1.001	14.853
2/16/2018 3:30	106200	26.06	16.939	59.399	4145.609	4899.831	2.651	3.332	241.219	1.001	14.856
2/16/2018 3:45	107100	26.067	16.941	59.415	4146.392	4900.882	2.652	3.333	241.174	1.001	14.848
2/16/2018 4:00	108000	26.072	16.94	59.427	4146.683	4901.424	2.652	3.333	241.145	1.001	14.841
2/16/2018 4:15	108900	26.062	16.94	59.404	4146.974	4901.531	2.652	3.333	241.14	1.001	14.847
2/16/2018 4:30</											

2/17/2018 1:00	183600	26.066	16.939	59.412	4148.162	4903.1	2.653	3.334	241.071	1.001	14.82
2/17/2018 1:15	184500	26.076	16.939	59.426	4149.131	4904.187	2.653	3.335	241.014	1.001	14.816
2/17/2018 1:30	185400	26.069	16.939	59.422	4150.125	4905.51	2.654	3.336	240.951	1.001	14.817
2/17/2018 1:45	186300	26.07	16.939	59.425	4149.76	4904.93	2.654	3.335	240.978	1.001	14.813
2/17/2018 2:00	187200	26.065	16.939	59.413	4148.994	4904.073	2.653	3.335	241.022	1.001	14.817
2/17/2018 2:15	188100	26.067	16.939	59.408	4149.775	4904.967	2.654	3.335	240.977	1.001	14.819
2/17/2018 2:30	189000	26.07	16.939	59.422	4149.886	4905.07	2.654	3.335	240.97	1.001	14.813
2/17/2018 2:45	189900	26.073	16.938	59.429	4150.195	4905.532	2.654	3.336	240.953	1.001	14.814
2/17/2018 3:00	190800	26.068	16.939	59.417	4149.57	4904.745	2.654	3.336	240.989	1.001	14.811
2/17/2018 3:15	191700	26.066	16.938	59.413	4149.785	4905.047	2.654	3.335	240.976	1.001	14.816
2/17/2018 3:30	192600	26.08	16.94	59.445	4150.621	4905.889	2.654	3.336	240.928	1.001	14.811
2/17/2018 3:45	193500	26.069	16.939	59.404	4149.741	4904.947	2.654	3.335	240.979	1.001	14.815
2/17/2018 4:00	194400	26.069	16.938	59.42	4150.638	4905.959	2.654	3.336	240.927	1.001	14.811
2/17/2018 4:15	195300	26.076	16.939	59.435	4152.081	4907.722	2.656	3.337	240.841	1.001	14.801
2/17/2018 4:30	196200	26.067	16.939	59.416	4151.853	4907.472	2.655	3.337	240.852	1.001	14.804
2/17/2018 4:45	197100	26.071	16.939	59.424	4152.058	4907.705	2.655	3.337	240.844	1.001	14.8
2/17/2018 5:00	198000	26.078	16.939	59.44	4152.453	4908.172	2.656	3.338	240.822	1.001	14.798
2/17/2018 5:15	198900	26.078	16.939	59.44	4152.460	4908.625	2.656	3.338	240.797	1.001	14.792
2/17/2018 5:30	199800	26.077	16.938	59.439	4153.36	4909.312	2.656	3.338	240.829	1.001	14.798
2/17/2018 5:45	200700	26.08	16.939	59.444	4153.781	4909.713	2.657	3.339	240.745	1.001	14.796
2/17/2018 6:00	201600	26.067	16.939	59.422	4153.282	4909.125	2.656	3.338	240.773	1.001	14.8
2/17/2018 6:15	202500	26.073	16.938	59.428	4153.899	4909.9	2.657	3.339	240.738	1.001	14.796
2/17/2018 6:30	203400	26.083	16.939	59.45	4153.127	4908.959	2.656	3.338	240.782	1.001	14.79
2/17/2018 6:45	204300	26.07	16.939	59.423	4153.274	4909.114	2.656	3.338	240.774	1.001	14.804
2/17/2018 7:00	205200	26.076	16.938	59.434	4153.159	4909.054	2.656	3.338	240.781	1.001	14.801
2/17/2018 7:15	206100	26.072	16.938	59.427	4153.282	4909.172	2.656	3.338	240.773	1.001	14.803
2/17/2018 7:30	207000	26.083	16.939	59.452	4153.337	4909.395	2.656	3.339	240.759	1.001	14.8
2/17/2018 7:45	207900	26.071	16.938	59.423	4153.928	4907.59	2.655	3.337	240.852	1.001	14.805
2/17/2018 8:00	208800	26.066	16.939	59.413	4151.412	4906.882	2.655	3.337	240.882	1.001	14.81
2/17/2018 8:15	209700	26.076	16.938	59.434	4151.926	4907.978	2.655	3.337	240.852	1.001	14.808
2/17/2018 8:30	210600	26.074	16.939	59.423	4151.771	4907.327	2.655	3.337	240.861	1.001	14.807
2/17/2018 8:45	211500	26.06	16.938	59.399	4151.545	4907.167	2.655	3.337	240.874	1.001	14.816
2/17/2018 9:00	212400	26.065	16.939	59.411	4150.393	4905.746	2.654	3.336	240.941	1.001	14.81
2/17/2018 9:15	213300	26.076	16.938	59.434	4150.606	4906.647	2.655	3.339	240.929	1.001	14.813
2/17/2018 9:30	214200	26.064	16.938	59.409	4150.459	4905.922	2.654	3.336	240.937	1.001	14.813
2/17/2018 9:45	215100	26.074	16.938	59.43	4151.056	4906.636	2.655	3.337	240.903	1.001	14.807
2/17/2018 10:00	216000	26.072	16.938	59.414	4151.478	4907.134	2.654	3.336	240.878	1.001	14.81
2/17/2018 10:15	216900	26.066	16.937	59.413	4151.61	4907.33	2.655	3.337	240.87	1.001	14.813
2/17/2018 10:30	217800	26.072	16.937	59.426	4151.573	4907.266	2.655	3.337	240.873	1.001	14.806
2/17/2018 10:45	218700	26.084	16.939	59.409	4152.187	4908.814	2.656	3.337	240.847	1.001	14.807
2/17/2018 11:00	219600	26.059	16.936	59.396	4152.303	4908.237	2.656	3.338	240.83	1.001	14.811
2/17/2018 11:15	220500	26.068	16.937	59.417	4152.925	4908.953	2.656	3.338	240.794	1.001	14.805
2/17/2018 11:30	221400	26.075	16.937	59.403	4154.162	4910.73	2.657	3.339	240.712	1.001	14.792
2/17/2018 11:45	222300	26.066	16.936	59.413	4153.417	4909.554	2.657	3.338	240.766	1.001	14.802
2/17/2018 12:00	223200	26.069	16.936	59.419	4153.854	4910.1	2.657	3.339	240.74	1.001	14.797
2/17/2018 12:15	224100	26.08	16.945	59.445	4154.309	4910.618	2.657	3.34	240.714	1.001	14.801
2/17/2018 12:30	225000	26.065	16.935	59.41	4155.095	4911.547	2.658	3.34	240.668	1.001	14.793
2/17/2018 12:45	225900	26.076	16.936	59.435	4155.229	4911.812	2.658	3.34	240.661	1.001	14.795
2/17/2018 13:00	226800	26.075	16.936	59.433	4156.167	4912.087	2.659	3.341	240.595	1.001	14.787
2/17/2018 13:15	227700	26.075	16.935	59.432	4156.944	4913.801	2.659	3.341	240.561	1.001	14.779
2/17/2018 13:30	228600	26.072	16.936	59.426	4157.412	4914.431	2.659	3.342	240.534	1.001	14.78
2/17/2018 13:45	229500	26.082	16.938	59.448	4158.017	4915.668	2.66	3.342	240.498	1.001	14.766
2/17/2018 14:00	230400	26.074	16.936	59.431	4158.138	4915.533	2.66	3.342	240.476	1.001	14.775
2/17/2018 14:15	231300	26.074	16.936	59.43	4158.631	4915.786	2.66	3.343	240.464	1.001	14.773
2/17/2018 14:30	232200	26.085	16.935	59.456	4159.665	4917.656	2.661	3.344	240.404	1.001	14.769
2/17/2018 14:45	233100	26.071	16.936	59.423	4160.048	4917.45	2.661	3.344	240.382	1.001	14.77
2/17/2018 15:00	234000	26.079	16.936	59.441	4159.689	4917.055	2.661	3.344	240.403	1.001	14.777
2/17/2018 15:15	234900	26.074	16.936	59.431	4160.108	4917.361	2.661	3.344	240.378	1.001	14.768
2/17/2018 15:30	235800	26.082	16.936	59.442	4160.866	4917.284	2.661	3.344	240.382	1.001	14.767
2/17/2018 15:45	236700	26.072	16.936	59.427	4160.205	4917.665	2.661	3.344	240.373	1.001	14.767
2/17/2018 16:00	237600	26.082	16.936	59.448	4160.116	4917.511	2.661	3.344	240.378	1.001	14.764
2/17/2018 16:15	238500	26.076	16.936	59.434	4160.8	4918.178	2.662	3.344	240.338	1.001	14.769
2/17/2018 16:30	239400	26.077	16.936	59.434	4160.904	4918.5	2.662	3.344	240.372	1.001	14.771
2/17/2018 16:45	240300	26.082	16.936	59.45	4160.619	4918.097	2.661	3.344	240.349	1.001	14.76
2/17/2018 17:00	241200	26.072	16.936	59.425	4160.829	4918.318	2.661	3.344	240.345	1.001	14.771
2/17/2018 17:15	242100	26.081	16.936	59.446	4160.904	4918.481	2.662	3.345	240.332	1.001	14.76
2/17/2018 17:30	243000	26.077	16.936	59.438	4160.653	4918.381	2.662	3.344	240.335	1.001	14.763
2/17/2018 17:45	243900	26.075	16.936	59.439	4161.062	4918.626	2.662	3.345	240.321	1.001	14.765
2/17/2018 18:00	244800	26.079	16.936	59.442	4160.924	4918.447	2.662	3.345	240.331	1.001	14.759
2/17/2018 18:15	245700	26.077	16.937	59.438	4161.342	4918.912	2.662	3.345	240.307	1.001	14.764
2/17/2018 18:30	246600	26.075	16.936	59.434	4161.84	4919.551	2.662	3.345	240.273	1.001	14.757
2/17/2018 18:45	247500	26.079	16.936	59.442	4162.698	4920.515	2.662	3.346	240.229	1.001	14.759
2/17/2018 19:00	248400	26.082	16.936	59.448	4163.417	4921.393	2.663	3.347	240.187	1.001	14.757
2/17/2018 19:15	249300	26.083	16.938	59.455	4163.157	4921.75	2.663	3.347	240.173	1.001	14.757
2/17/2018 19:30	250200	26.081	16.937	59.447	4163.009	4920.795	2.663	3.346	240.211	1.001	14.759
2/17/2018 19:45	251100	26.077	16.937	59.438	4163.487	4921.36	2.663	3.347	240.183	1.001	14.76
2/17/2018 20:00	252000	26.082	16.937	59.449	4163.113	4921.48	2.663	3.347	240.182	1.001	14.755
2/17/2018 20:15	252900	26.086	16.936	59.461	4163.491	4921.5	2.663	3.347	240.183	1.001	14.754
2/17/2018 20:30	253800	26.086	16.936	59.467	4164.375	4922.544	2.664	3.347	240.132	1.001	14.752
2/17/2018 20:45	254700	26.089	16.936	59.465	4165.046	4923.319	2.664	3.348	240.093	1.001	14.748
2/17/2018 21:00	255600	26.085	16.936	59.457	4165.229	4923.988	2.665	3.349	240.089	1.001	14.752
2/17/2018 21:15	256500	26.089	16.936	59.465	4165.997	4924.442	2.665	3.349	240.039	1.001	14.751
2/17/2018 21:30	257400	26.087	16.936	59.46	4167.048	4925.74	2.666	3.35	239.978	1.001	14.75
2/17/2018 21:45	258300	26.085	16.935	59.455	4167.581	4926.564	2.666	3.35	239.947	1.001	14.751
2/17/2018 22:00	259200										

2/18/2018 18:45	333900	26.1	16.935	59.49	4187.253	4949.706	2.68	3.366	238.82	1.001	14.726
2/18/2018 19:00	334800	26.096	16.935	59.492	4187.249	4949.713	2.686	3.366	238.82	1.001	14.726
2/18/2018 19:15	335700	26.096	16.936	59.492	4187.409	4949.377	2.679	3.366	238.812	1.001	14.725
2/18/2018 19:30	336600	26.101	16.935	59.493	4186.586	4948.878	2.679	3.365	238.858	1.001	14.721
2/18/2018 19:45	337500	26.095	16.935	59.479	4186.345	4948.633	2.679	3.365	238.872	1.001	14.727
2/18/2018 20:00	338400	26.1	16.936	59.49	4185.285	4947.321	2.678	3.364	238.912	1.001	14.726
2/18/2018 20:15	339300	26.092	16.936	59.471	4185.545	4947.589	2.678	3.364	238.917	1.001	14.731
2/18/2018 20:30	340200	26.103	16.936	59.497	4185.39	4947.405	2.678	3.364	238.926	1.001	14.722
2/18/2018 20:45	341100	26.105	16.936	59.479	4186.045	4947.171	2.679	3.364	238.889	1.001	14.73
2/18/2018 21:00	342000	26.103	16.936	59.497	4185.555	4947.601	2.678	3.364	238.917	1.001	14.721
2/18/2018 21:15	342900	26.099	16.936	59.488	4186.289	4948.499	2.679	3.365	238.875	1.001	14.729
2/18/2018 21:30	343800	26.098	16.936	59.485	4185.907	4948.037	2.679	3.363	238.897	1.001	14.73
2/18/2018 21:45	344700	26.098	16.936	59.484	4184.981	4946.914	2.678	3.364	238.95	1.001	14.739
2/18/2018 22:00	345600	26.093	16.936	59.474	4185.122	4947.297	2.678	3.364	238.91	1.001	14.736
2/18/2018 22:15	346500	26.095	16.937	59.477	4184.68	4946.11	2.678	3.364	238.967	1.001	14.736
2/18/2018 22:30	347400	26.089	16.936	59.464	4184.246	4946.033	2.678	3.363	238.992	1.001	14.734
2/18/2018 22:45	348300	26.1	16.936	59.49	4183.766	4945.477	2.677	3.363	239.019	1.001	14.732
2/18/2018 23:00	349200	26.1	16.936	59.49	4184.629	4945.327	2.677	3.363	239.007	1.001	14.729
2/18/2018 23:15	350100	26.102	16.936	59.494	4184.315	4946.135	2.678	3.363	238.988	1.001	14.727
2/18/2018 23:30	351000	26.095	16.936	59.478	4183.729	4945.492	2.677	3.363	239.021	1.001	14.734
2/18/2018 23:45	351900	26.102	16.936	59.494	4184.033	4945.813	2.677	3.362	239.004	1.001	14.729
2/19/2018 0:00	352800	26.093	16.936	59.474	4184.383	4946.226	2.678	3.363	238.984	1.001	14.738
2/19/2018 0:15	353700	26.09	16.936	59.467	4183.406	4945.021	2.677	3.363	239.04	1.001	14.732
2/19/2018 0:30	354600	26.1	16.937	59.49	4183.226	4945.952	2.678	3.363	238.993	1.001	14.728
2/19/2018 0:45	355500	26.091	16.936	59.47	4183.268	4944.849	2.677	3.362	239.048	1.001	14.736
2/19/2018 1:00	356400	26.093	16.936	59.474	4183.668	4945.38	2.677	3.363	239.025	1.001	14.735
2/19/2018 1:15	357300	26.095	16.936	59.479	4183.401	4945.508	2.677	3.363	239.017	1.001	14.734
2/19/2018 1:30	358200	26.097	16.936	59.482	4183.139	4945.267	2.677	3.363	239.032	1.001	14.733
2/19/2018 1:45	359100	26.09	16.936	59.467	4183.052	4944.642	2.677	3.362	239.06	1.001	14.739
2/19/2018 2:00	360000	26.098	16.936	59.485	4183.136	4945.175	2.677	3.363	239.032	1.001	14.732
2/19/2018 2:15	360900	26.093	16.936	59.475	4184.062	4945.846	2.677	3.363	239.002	1.001	14.735
2/19/2018 2:30	361800	26.099	16.936	59.487	4184.204	4945.945	2.677	3.363	238.994	1.001	14.733
2/19/2018 2:45	362700	26.097	16.936	59.482	4183.315	4944.953	2.677	3.363	239.045	1.001	14.733
2/19/2018 3:00	363600	26.096	16.936	59.483	4183.11	4944.683	2.677	3.363	239.057	1.001	14.735
2/19/2018 3:15	364500	26.104	16.936	59.499	4183.068	4944.623	2.677	3.362	239.059	1.001	14.722
2/19/2018 3:30	365400	26.098	16.935	59.485	4184.091	4945.559	2.677	3.363	239.001	1.001	14.725
2/19/2018 3:45	366300	26.095	16.937	59.487	4184.132	4946.124	2.678	3.363	238.987	1.001	14.726
2/19/2018 4:00	367200	26.097	16.936	59.484	4184.7	4946.59	2.678	3.364	238.966	1.001	14.728
2/19/2018 4:15	368100	26.095	16.936	59.48	4185.044	4946.958	2.678	3.364	238.946	1.001	14.724
2/19/2018 4:30	369000	26.096	16.936	59.486	4184.617	4946.517	2.678	3.363	238.953	1.001	14.727
2/19/2018 4:45	369900	26.101	16.936	59.492	4184.546	4947.546	2.678	3.364	238.917	1.001	14.723
2/19/2018 5:00	370800	26.106	16.936	59.503	4184.667	4948.57	2.678	3.364	238.868	1.001	14.719
2/19/2018 5:15	371700	26.1	16.937	59.49	4185.075	4947.093	2.678	3.364	238.941	1.001	14.725
2/19/2018 5:30	372600	26.098	16.937	59.485	4185.139	4947.012	2.678	3.364	238.941	1.001	14.723
2/19/2018 5:45	373500	26.103	16.936	59.496	4185.237	4947.177	2.678	3.364	238.935	1.001	14.723
2/19/2018 6:00	374400	26.097	16.936	59.484	4184.969	4946.186	2.678	3.363	238.95	1.001	14.725
2/19/2018 6:15	375300	26.089	16.937	59.465	4185.427	4947.382	2.678	3.364	238.924	1.001	14.73
2/19/2018 6:30	376200	26.095	16.937	59.479	4185.201	4947.095	2.678	3.364	238.937	1.001	14.726
2/19/2018 6:45	377100	26.097	16.937	59.483	4184.081	4946.75	2.677	3.363	239.001	1.001	14.728
2/19/2018 7:00	378000	26.098	16.936	59.485	4184.36	4946.149	2.678	3.363	238.985	1.001	14.722
2/19/2018 7:15	378900	26.1	16.937	59.491	4183.656	4945.289	2.677	3.363	239.025	1.001	14.723
2/19/2018 7:30	379800	26.097	16.937	59.474	4183.911	4945.604	2.677	3.363	239.01	1.001	14.726
2/19/2018 7:45	380700	26.106	16.936	59.503	4183.764	4945.425	2.677	3.363	239.019	1.001	14.722
2/19/2018 8:00	381600	26.1	16.936	59.49	4183.331	4944.952	2.677	3.363	239.044	1.001	14.731
2/19/2018 8:15	382500	26.095	16.937	59.482	4184.624	4945.932	2.678	3.363	238.97	1.001	14.737
2/19/2018 8:30	383400	26.101	16.937	59.492	4183.425	4944.956	2.677	3.363	239.039	1.001	14.743
2/19/2018 8:45	384300	26.095	16.937	59.478	4182.714	4944.155	2.676	3.362	239.079	1.001	14.742
2/19/2018 9:00	385200	26.1	16.936	59.49	4181.846	4943.167	2.676	3.361	239.129	1.001	14.74
2/19/2018 9:15	386100	26.092	16.936	59.472	4180.939	4942.175	2.675	3.361	239.181	1.001	14.741
2/19/2018 9:30	387000	26.088	16.936	59.464	4180.813	4941.957	2.675	3.361	239.188	1.001	14.747
2/19/2018 9:45	387900	26.089	16.936	59.464	4181.505	4942.774	2.676	3.361	239.148	1.001	14.754
2/19/2018 10:00	388800	26.09	16.936	59.469	4181.239	4942.451	2.675	3.361	239.161	1.001	14.755
2/19/2018 10:15	389700	26.089	16.936	59.464	4182.081	4943.346	2.676	3.362	239.155	1.001	14.752
2/19/2018 10:30	390600	26.087	16.936	59.461	4181.89	4943.26	2.676	3.361	239.126	1.001	14.754
2/19/2018 10:45	391500	26.09	16.936	59.47	4181.833	4943.24	2.676	3.361	239.13	1.001	14.752
2/19/2018 11:00	392400	26.09	16.936	59.467	4181.822	4943.208	2.676	3.361	239.13	1.001	14.749
2/19/2018 11:15	393300	26.093	16.936	59.474	4182.235	4943.716	2.676	3.362	239.107	1.001	14.748
2/19/2018 11:30	394200	26.097	16.936	59.465	4182.165	4943.611	2.676	3.362	239.107	1.001	14.751
2/19/2018 11:45	395100	26.087	16.935	59.46	4182.664	4944.281	2.677	3.362	239.082	1.001	14.755
2/19/2018 12:00	396000	26.087	16.936	59.461	4183.202	4944.83	2.677	3.362	239.051	1.001	14.752
2/19/2018 12:15	396900	26.1	16.936	59.469	4182.147	4943.612	2.677	3.362	239.115	1.001	14.753
2/19/2018 12:30	397800	26.096	16.936	59.48	4183.559	4945.291	2.677	3.363	239.031	1.001	14.745
2/19/2018 12:45	398700	26.098	16.935	59.486	4183.791	4945.425	2.677	3.363	239.018	1.001	14.74
2/19/2018 13:00	399600	26.097	16.936	59.479	4184.129	4946.139	2.677	3.363	238.998	1.001	14.742
2/19/2018 13:15	400500	26.091	16.935	59.469	4184.24	4946.134	2.678	3.363	238.992	1.001	14.746
2/19/2018 13:30	401400	26.094	16.935	59.477	4185.116	4947.141	2.678	3.364	238.942	1.001	14.745
2/19/2018 13:45	402300	26.104	16.935	59.475	4185.131	4947.141	2.678	3.364	238.96	1.001	14.744
2/19/2018 14:00	403200	26.1	16.935	59.49	4185.132	4947.474	2.678	3.363	238.93	1.001	14.738
2/19/2018 14:15	404100	26.104	16.935	59.498	4185.163	4947.728	2.679	3.364	238.917	1.001	14.737
2/19/2018 14:30	405000	26.098	16.936	59.486	4186.116	4948.375	2.679	3.365	238.885	1.001	14.735
2/19/2018 14:45	405900	26.094	16.935	59.477	4186.148	4948.089	2.679	3.365	238.849	1.001	14.741
2/19/2018 15:00	406800	26.097	16.935	59.483	4187.328	4949.794	2.68	3.366	238.816	1.001	14.744
2/19/2018 15:15	407700	26.101	16.935	59.491	4188.541	4951.24	2.681	3.367	238.767	1.001	14.734
2/19/2018 15:30	408600	26.096	16.935	59.481	4189.704	4952.791	2.682	3.368	238.68	1.001	14.742
2/19/2018 15:45	409500	26.104</									

2/20/2018 12:30	484200	26.132	16.932	59.564	4224.68	4994.314	2.705	3.396	236.704	1.001	14.84
2/20/2018 12:45	485100	26.129	16.932	59.552	4224.687	4994.282	2.705	3.396	236.704	1.001	14.841
2/20/2018 13:00	486000	26.126	16.932	59.549	4225.6	4995.352	2.706	3.397	236.653	1.001	14.841
2/20/2018 13:15	486900	26.128	16.932	59.554	4226.239	4996.157	2.706	3.397	236.617	1.001	14.839
2/20/2018 13:30	487800	26.132	16.932	59.562	4226.61	4996.556	2.707	3.398	236.596	1.001	14.832
2/20/2018 13:45	488700	26.129	16.932	59.557	4226.678	4996.695	2.707	3.398	236.579	1.001	14.832
2/20/2018 14:00	489600	26.133	16.932	59.564	4226.911	4996.941	2.707	3.398	236.559	1.001	14.832
2/20/2018 14:15	490500	26.141	16.932	59.584	4227.274	4997.401	2.707	3.398	236.559	1.001	14.827
2/20/2018 14:30	491400	26.133	16.932	59.566	4228.654	4998.852	2.708	3.399	236.482	1.001	14.831
2/20/2018 14:45	492300	26.132	16.932	59.562	4228.052	4998.291	2.708	3.399	236.516	1.001	14.833
2/20/2018 15:00	493200	26.133	16.932	59.565	4228.846	4999.21	2.708	3.399	236.471	1.001	14.832
2/20/2018 15:15	494100	26.141	16.932	59.583	4228.611	4998.695	2.708	3.399	236.495	1.001	14.827
2/20/2018 15:30	495000	26.131	16.932	59.56	4228.234	4998.506	2.708	3.399	236.505	1.001	14.833
2/20/2018 15:45	495900	26.14	16.932	59.58	4227.881	4998.309	2.708	3.399	236.525	1.001	14.833
2/20/2018 16:00	496800	26.129	16.932	59.555	4228.192	4998.388	2.708	3.399	236.508	1.001	14.835
2/20/2018 16:15	497700	26.129	16.932	59.556	4228.108	4998.357	2.708	3.399	236.512	1.001	14.834
2/20/2018 16:30	498600	26.134	16.932	59.568	4228.784	4999.185	2.708	3.399	236.475	1.001	14.831
2/20/2018 16:45	499500	26.135	16.932	59.57	4228.187	4999.43	2.708	3.399	236.509	1.001	14.828
2/20/2018 17:00	500400	26.13	16.932	59.558	4228.393	4998.683	2.708	3.399	236.496	1.001	14.834
2/20/2018 17:15	501300	26.133	16.932	59.565	4228.668	4998.979	2.708	3.399	236.481	1.001	14.827
2/20/2018 17:30	502200	26.129	16.932	59.557	4228.137	4998.341	2.708	3.399	236.511	1.001	14.832
2/20/2018 17:45	503100	26.133	16.932	59.565	4228.389	4998.65	2.708	3.399	236.497	1.001	14.829
2/20/2018 18:00	504000	26.122	16.933	59.541	4227.835	4997.906	2.707	3.399	236.528	1.001	14.836
2/20/2018 18:15	504900	26.135	16.933	59.571	4227.738	4997.831	2.707	3.399	236.533	1.001	14.828
2/20/2018 18:30	505800	26.14	16.932	59.58	4227.385	4997.462	2.707	3.398	236.553	1.001	14.83
2/20/2018 18:45	506700	26.136	16.933	59.571	4227.357	4997.381	2.707	3.398	236.554	1.001	14.829
2/20/2018 19:00	507600	26.133	16.933	59.564	4227.18	4997.151	2.707	3.398	236.544	1.001	14.832
2/20/2018 19:15	508500	26.14	16.932	59.581	4227.593	4997.709	2.707	3.398	236.541	1.001	14.826
2/20/2018 19:30	509400	26.129	16.933	59.557	4227.286	4997.306	2.707	3.398	236.558	1.001	14.835
2/20/2018 19:45	510300	26.143	16.933	59.587	4227.93	4998.038	2.707	3.399	236.522	1.001	14.833
2/20/2018 20:00	511200	26.132	16.933	59.562	4226.884	4996.802	2.707	3.398	236.581	1.001	14.834
2/20/2018 20:15	512100	26.133	16.933	59.567	4226.737	4996.627	2.707	3.398	236.589	1.001	14.837
2/20/2018 20:30	513000	26.134	16.933	59.568	4226.93	4996.796	2.707	3.398	236.578	1.001	14.834
2/20/2018 20:45	513900	26.138	16.934	59.554	4225.17	4994.31	2.706	3.398	236.669	1.001	14.831
2/20/2018 21:00	514800	26.131	16.933	59.561	4224.418	4993.896	2.705	3.396	236.719	1.001	14.838
2/20/2018 21:15	515700	26.129	16.933	59.556	4224.211	4993.612	2.705	3.396	236.731	1.001	14.846
2/20/2018 21:30	516600	26.134	16.934	59.569	4224.158	4993.565	2.705	3.396	236.73	1.001	14.839
2/20/2018 21:45	517500	26.126	16.934	59.549	4224.147	4993.487	2.705	3.396	236.734	1.001	14.84
2/20/2018 22:00	518400	26.127	16.933	59.551	4223.392	4992.623	2.704	3.395	236.777	1.001	14.838
2/20/2018 22:15	519300	26.135	16.933	59.57	4223.454	4993.342	2.704	3.395	236.762	1.001	14.835
2/20/2018 22:30	520200	26.134	16.934	59.568	4224.556	4993.939	2.705	3.396	236.711	1.001	14.836
2/20/2018 22:45	521100	26.125	16.933	59.548	4223.637	4992.973	2.705	3.395	236.763	1.001	14.84
2/20/2018 23:00	522000	26.13	16.934	59.568	4223.739	4993.127	2.704	3.396	236.751	1.001	14.837
2/20/2018 23:15	522900	26.127	16.933	59.552	4223	4992.161	2.704	3.395	236.798	1.001	14.842
2/20/2018 23:30	523800	26.129	16.933	59.557	4222.757	4991.903	2.704	3.394	236.812	1.001	14.838
2/20/2018 23:45	524700	26.136	16.934	59.573	4222.654	4991.771	2.704	3.395	236.818	1.001	14.831
2/21/2018 0:00	525600	26.134	16.933	59.562	4223.603	4992.873	2.705	3.395	236.765	1.001	14.829
2/21/2018 0:15	526500	26.14	16.934	59.582	4223.059	4992.209	2.704	3.395	236.795	1.001	14.83
2/21/2018 0:30	527400	26.135	16.934	59.57	4223.761	4993.125	2.705	3.396	236.756	1.001	14.831
2/21/2018 0:45	528300	26.127	16.933	59.552	4222.675	4991.775	2.704	3.394	236.817	1.001	14.834
2/21/2018 1:00	529200	26.13	16.933	59.558	4223.662	4992.962	2.705	3.395	236.761	1.001	14.832
2/21/2018 1:15	530100	26.141	16.934	59.584	4223.369	4992.369	2.704	3.395	236.778	1.001	14.822
2/21/2018 1:30	531000	26.138	16.933	59.564	4222.363	4991.457	2.704	3.394	236.834	1.001	14.821
2/21/2018 1:45	531900	26.141	16.933	59.583	4224.283	4993.667	2.705	3.396	236.727	1.001	14.818
2/21/2018 2:00	532800	26.132	16.933	59.563	4223.761	4993.05	2.705	3.395	236.756	1.001	14.826
2/21/2018 2:15	533700	26.142	16.934	59.585	4224.185	4993.565	2.705	3.396	236.732	1.001	14.835
2/21/2018 2:30	534600	26.137	16.934	59.575	4224.749	4994.167	2.705	3.396	236.7	1.001	14.818
2/21/2018 2:45	535500	26.133	16.934	59.565	4225.444	4995.009	2.706	3.397	236.661	1.001	14.821
2/21/2018 3:00	536400	26.135	16.934	59.57	4225.891	4995.528	2.706	3.397	236.637	1.001	14.815
2/21/2018 3:15	537300	26.144	16.934	59.59	4225.402	4994.979	2.706	3.397	236.664	1.001	14.807
2/21/2018 3:30	538200	26.132	16.934	59.563	4223.993	4993.285	2.705	3.395	236.743	1.001	14.832
2/21/2018 3:45	539100	26.138	16.934	59.577	4224	4993.342	2.705	3.396	236.742	1.001	14.811
2/21/2018 4:00	540000	26.143	16.934	59.587	4224.933	4994.416	2.705	3.396	236.69	1.001	14.805
2/21/2018 4:15	540900	26.142	16.933	59.585	4225.23	4994.797	2.706	3.396	236.673	1.001	14.808
2/21/2018 4:30	541800	26.139	16.934	59.58	4224.972	4994.81	2.705	3.396	236.685	1.001	14.811
2/21/2018 4:45	542700	26.145	16.934	59.592	4224.313	4993.692	2.706	3.396	236.725	1.001	14.812
2/21/2018 5:00	543600	26.137	16.934	59.574	4224.509	4993.875	2.705	3.396	236.714	1.001	14.82
2/21/2018 5:15	544500	26.135	16.934	59.564	4224.569	4993.857	2.705	3.396	236.721	1.001	14.821
2/21/2018 5:30	545400	26.135	16.933	59.571	4224.048	4993.33	2.705	3.395	236.72	1.001	14.82
2/21/2018 5:45	546300	26.137	16.934	59.574	4222.773	4991.339	2.704	3.394	236.834	1.001	14.821
2/21/2018 6:00	547200	26.134	16.934	59.565	4222.107	4990.507	2.704	3.394	236.821	1.001	14.822
2/21/2018 6:15	548100	26.131	16.934	59.56	4222.141	4991.104	2.703	3.394	236.847	1.001	14.82
2/21/2018 6:30	549000	26.14	16.933	59.582	4221.651	4990.565	2.703	3.394	236.874	1.001	14.816
2/21/2018 6:45	549900	26.133	16.933	59.565	4221.213	4989.838	2.703	3.394	236.889	1.001	14.823
2/21/2018 7:00	550800	26.131	16.933	59.561	4221.007	4989.834	2.703	3.393	236.91	1.001	14.828
2/21/2018 7:15	551700	26.133	16.934	59.565	4222.016	4990.927	2.703	3.394	236.854	1.001	14.831
2/21/2018 7:30	552600	26.129	16.933	59.556	4221.893	4990.704	2.703	3.394	236.861	1.001	14.83
2/21/2018 7:45	553500	26.135	16.933	59.571	4220.411	4989.11	2.702	3.393	236.931	1.001	14.827
2/21/2018 8:00	554400	26.136	16.934	59.573	4219.818	4988.35	2.702	3.392	236.977	1.001	14.822
2/21/2018 8:15	555300	26.135	16.934	59.569	4219.584	4988.082	2.702	3.392	236.99	1.001	14.828
2/21/2018 8:30	556200	26.128	16.934	59.554	4218.915	4987.291	2.701	3.391	237.028	1.001	14.828
2/21/2018 8:45	557100	26.134	16.933	59.568	4219.739	4988.226	2.702	3.392	236.981	1.001	14.827
2/21/2018 9:00	558000	26.127	16.933	59.552	4219.657	4988.268	2.702	3.392	236.986	1.001	14.832
2/21/2018 9:15	558900	26.133	16.933	59.563	4219.513	4987.513	2.702	3.392	237.017	1.001	14.826
2/21/2018 9:30											

Report Date: 2/23/2018 14:44
Report User Name: A\vanikaizma
Report Computer Name: WKST34
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties
File Name: MPWSP TSW Trams 2_2018-02-22_15-03-23-746.wsl
Create Date: 2/22/2018 14:49

Device Properties
Device: Aqua TROLL 200
Site: MPWSP TSW Trams 2
Device Name:
Serial Number: 410757
Firmware Version: 2.01
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 15300 m/s 8 Even 1 (Modbus-RTU)
Used Memory: 0
Used Battery: 39

Log Configuration
Log Name: MPWSP TSW Trams 2
Created By: WMassoll
Computer Name: TABLET01
Application: WinSitu.exe
Application Version: 5.6.27.1
Create Date: 2/2/2018 5:50:47 PM Pacific Standard Time
Log Setup Time Zone: Pacific Standard Time
Notes Size(Bytes): 4096
Overwrite when full: Enabled
Scheduled Start Time: 2/2/2018 6:30:00 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: Depth
Specific Gravity: 1.024

Other Log Settings
Depth of Probe: 3.06148 (ft)
Head Pressure: 1.35909 (PSI)
Temperature: 17.1637 (C)
Specific Conductivity Model: Standard Methods
Reference Temperature: 25
Temperature Coefficient: 0.0191
TDS Factor: 0.68

Log Notes:
Date and Time: Note
2/2/2018 17:50 Sensor SN: 410757 Factory calibration has expired: 11/16/2017 10:14:35 AM
2/2/2018 17:50 Used Battery: 39% Used Memory: 3% User Name: WMassoll
2/8/2018 13:25 Log Download - Used Battery: 39% Used Memory: 3% User Name: A\vanikaizma Interval - Start Time: 2/2/2018 6:30:00 PM Stop Time: 2/8/2018 2:15:00 PM
2/8/2018 13:26 Log Download - Used Battery: 39% Used Memory: 3% User Name: A\vanikaizma Interval - Start Time: 1/31/2018 10:00:00 PM Stop Time: 2/8/2018 2:15:00 PM
2/15/2018 15:49 Log Download - Used Battery: 39% Used Memory: 3% User Name: A\vanikaizma Interval - Start Time: 2/7/2018 10:00:00 PM Stop Time: 2/15/2018 4:45:00 PM
2/22/2018 14:48 Log Download - Used Battery: 39% Used Memory: 4% User Name: WMassoll Interval - Start Time: 2/14/2018 10:00:00 PM Stop Time: 2/22/2018 3:45:00 PM

Log Data:
Record Count: 740
Sensors: 1
1 410757 PCTD 100 PSIG (70m/231ft)

Time Zone: Pacific Standard Time

Date and Time	Elapsed Time 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
		SNR: 410757 Pressure (PSI)	SNR: 410757 Temperature (C)	SNR: 410757 Depth (ft)	SNR: 410757 Actual Conductivity (µS)	SNR: 410757 Specific Conductivity (µS)	SNR: 410757 Salinity (PSU)	SNR: 410757 Total Dissolved Solids (ppt)	SNR: 410757 Resistivity (ohm-cm)	SNR: 410757 Water Density (g/cm3)
2/15/2018 0:00	7200	10.498	15.075	23.647	34576.023	42664.07	27.474	29.012	28.922	1.02
2/15/2018 0:15	8100	10.489	15.074	23.627	34558.711	42643.5	27.46	28.998	28.936	1.02
2/15/2018 0:30	9000	10.47	15.073	23.584	34644.227	42749.641	27.535	29.07	28.865	1.02
2/15/2018 0:45	9900	10.465	15.076	23.574	34177.867	42171.199	27.123	28.676	29.259	1.02
2/15/2018 1:00	10800	10.437	15.075	23.511	33344.379	41143.793	26.393	27.978	29.39	1.019
2/15/2018 1:15	11700	10.415	15.077	23.46	33107.742	40850.031	26.184	27.778	30.204	1.019
2/15/2018 1:30	12600	10.43	15.071	23.495	34499.863	42574.145	27.41	28.95	28.986	1.02
2/15/2018 1:45	13500	10.383	15.072	23.39	34664.43	42775.727	27.554	29.087	28.848	1.02
2/15/2018 2:00	14400	10.441	15.075	23.519	34506.984	42578	27.413	28.953	28.98	1.02
2/15/2018 2:15	15300	10.409	15.074	23.448	34516.133	42591.043	27.422	28.962	28.972	1.02
2/15/2018 2:30	16200	10.343	15.07	23.299	33742.867	41640.418	26.745	28.315	29.636	1.02
2/15/2018 2:45	17100	10.309	15.074	23.223	33362.316	41166.703	26.409	27.993	29.974	1.019
2/15/2018 3:00	18000	10.355	15.068	23.325	34628.586	42735.48	27.525	29.06	28.878	1.02
2/15/2018 3:15	18900	10.359	15.075	23.335	34605.887	42700.82	27.501	29.037	28.897	1.02
2/15/2018 3:30	19800	10.355	15.075	23.325	34732.531	42856.379	27.612	29.142	28.791	1.02
2/15/2018 3:45	20700	10.438	15.076	23.514	34468.543	42529.68	27.379	28.92	29.012	1.02
2/15/2018 4:00	21600	10.389	15.074	23.402	32977.332	40691.566	26.072	27.67	30.324	1.019
2/15/2018 4:15	22500	10.405	15.076	23.438	34560.695	42643.383	27.46	28.998	28.935	1.02
2/15/2018 4:30	23400	10.371	15.073	23.362	34621.688	42721.746	27.515	29.051	28.884	1.02
2/15/2018 4:45	24300	10.346	15.078	23.305	34638.262	42737.754	27.527	29.062	28.87	1.02
2/15/2018 5:00	25200	10.423	15.079	23.48	34408.605	42453.258	27.324	28.868	29.062	1.02
2/15/2018 5:15	26100	10.405	15.074	23.438	34460.875	42522.145	27.373	28.915	29.018	1.02
2/15/2018 5:30	27000	10.43	15.078	23.494	33275.09	41055.668	26.33	27.918	30.053	1.019
2/15/2018 5:45	27900	10.411	15.077	23.452	33720.102	41605.242	26.73	28.292	29.656	1.02
2/15/2018 6:00	28800	10.405	15.077	23.438	34600.742	42692.086	27.495	29.031	28.901	1.02
2/15/2018 6:15	29700	10.424	15.081	23.48	34477.773	42536.395	27.384	28.925	29.004	1.02
2/15/2018 6:30	30600	10.504	15.081	23.66	34399.398	42440.219	27.315	28.859	29.07	1.02
2/15/2018 6:45	31500	10.538	15.079	23.739	34533.934	42608.152	27.435	28.974	28.957	1.02
2/15/2018 7:00	32400	10.413	15.079	23.456	34453.906	42508.977	27.364	28.906	29.024	1.02
2/15/2018 7:15	33300	10.421	15.081	23.474	34393.966	41526.664	26.605	28.238	29.71	1.02
2/15/2018 7:30	34200	10.494	15.081	23.638	34586.82	42671.277	27.48	29.016	28.913	1.02
2/15/2018 7:45	35100	10.486	15.082	23.621	34716.832	42830.441	27.594	29.125	28.804	1.02
2/15/2018 8:00	36000	10.507	15.085	23.669	34550.871	42622.594	27.445	28.983	28.943	1.02
2/15/2018 8:15	36900	10.541	15.083	23.746	34458.516	42510.605	27.365	28.907	29.02	1.02
2/15/2018 8:30	37800	10.602	15.094	23.881	34352.281	42368.297	27.265	28.81	29.11	1.02
2/15/2018 8:45	38700	10.678	15.094	24.054	34247.566	42239.32	27.173	28.723	29.199	1.02
2/15/2018 9:00	39600	10.678	15.093	24.054	33719.027	41588.484	26.71	28.28	29.657	1.02
2/15/2018 9:15	40500	10.847	15.096	24.433	33611.582	41539.367	26.675	28.247	29.69	1.02
2/15/2018 9:30	41400	10.847	15.101	24.433	33747.773	41616.52	26.73	28.299	29.632	1.02
2/15/2018 9:45	42300	10.853	15.101	24.447	33424.41	41217.762	26.447	28.028	29.918	1.019
2/15/2018 10:00	43200	10.845	15.098	24.429	33411.031	41228.488	26.454	28.035	29.912	1.019
2/15/2018 10:15	44100	10.647	15.095	23.984	34560.336	42623.82	27.447	28.984	28.945	1.02
2/15/2018 10:30	45000	10.616	15.09	23.914	34548.879	42614.828	27.44	28.978	28.944	1.02
2/15/2018 10:45	45900	10.589	15.094	23.854	34578.934	42648.543	27.464	29.001	28.919	1.02
2/15/2018 11:00	46800	10.571	15.091	23.811	34551.242	42654.123	27.468	29.005	28.917	1.02
2/15/2018 11:15	47700	10.558	15.088	23.783	34608.953	42691.332	27.495	29.03	28.894	1.02
2/15/2018 11:30	48600	10.639	15.091	23.965	33688.273	41565.039	26.693	28.264	29.675	1.02
2/15/2018 11:45	49500	10.613	15.089	23.896	33315.629	41094.438	26.358	27.944	30.016	1.019
2/15/2018 12:00	50400	10.608	15.091	23.896	32451.828	40076.953	25.638	27.252	30.777	1.019
2/15/2018 12:15	51300	10.59	15.089	23.855	34575.641	42649.348	27.465	29.002	28.922	1.02
2/15/2018 12:30	52200	10.564	15.089	23.796	34581.141	42655.785	27.469	29.006	28.917	1.02
2/15/2018 12:45	53100	10.581	15.089	23.815	34717.055	42821.863	27.589	29.183	28.799	1.02
2/15/2018 13:00	54000	10.508	15.084	23.67	34430.234	42474.395	27.34	28.883	29.044	1.02
2/15/2018 13:15	54900	10.525	15.077	23.708	33615.816	41477.008	26.629	28.204	29.748	1.02
2/15/2018 13:30	55800	10.48	15.082	23.607	34254.887	42260.184	27.187	28.737	29.193	1.02
2/15/2018 13:45	56700	10.447	15.084	23.514	33239.42	40996.107	26.289	27.879	30.093	1.019
2/15/2018 14:00	57600	10.488	15.078	23.626	34640.172	42740.027	27.529	29.063	28.868	1.02
2/15/2018 14:15	58500	10.442	15.078	23.523	34574.738	42639.02	27.471	29.008	28.923	1.02
2/15/2018 14:30	59400	10.374	15.074	23.468	34557.537	42541.653	27.458	28.979	28.967	1.02
2/15/2018 14:45	60300	10.385	15.076	23.393	33702.203	41584.895	26.706	28.278	29.672	1.02
2/15/2018 15:00	61200	10.378	15.07	23.377	33773.414	41678.633	26.772	28.341	29.609	1.02
2/15/2018 15:15	62100	10.34	15.073	23.292	33289.625	40708.199	26.346	27.933	30.039	1.019
2/15/2018 15:30	63000	10.39	15.072	23.404	34496.25	42555.762	27.397	28.958	28.99	1.02
2/15/2018 15:45	63900	10.362	15.069	23.341	34576.75	42670.984	27.479	29.016	28.921	1.02
2/15/2018 16:00	64800	10.319	15.07	23.244	34321.34	42354.809	27.254	28.801	29.136	1.02
2/15/2018 16:15	65700	23.454	15.282	52.832	35019.492	41031.098	26.832	27.749	29.556	1.02
2/15/2018 16:30	66600	24.03	14.85	54.131	36845.012	45705.926	29.64	31.08	27.141	1.022
2/15/2018 16:45	67500	24.294	14.815	54.724	37219.719	46209.059	30.001	31.422	26.867	1.022
2/15/2018 17:00	68400	24.472	14.783	55.125	37513.719	46609.137	30.287	31.694	26.657	1.022
2/15/2018 17:15	69300	24.608	14.762	55.412	37774.395	46954.293	30.537	31.99	26.473	1.023
2/15/2018 17:30	70200	24.719	14.747	55.682	38025.922	47285.996	30.774	32.154	26.298	1.023
2/15/2018 17:45	71100	24.808	14.742	55.883	38211.012	47522.316	30.945	32.315	26.17	1.023
2/15/2018 18:00	72000	24.893	14.751	56.073	38286.301	47605.801	31.076	32.372	26.119	1.023
2/15/2018 18:15	72900	24.969	14.765	56.245	38383.281	47710.184	31.083	32.443	26.053	1.023
2/15/2018 18:30	73800	25.033	14.787	56.388	38418.98	47729.688	31.098	32.456	26.029	1.023
2/15/2018 18:45	74700	25.097	14.817	56.534	38602.16	47947.715	31.259	32.604	25.892	1.023
2/15/2018 19:00	75600	25.155	14.829	56.664	38614.621	47925.125	31.243	32.589	25.897	1.023
2/15/2018 19:15	76500	25.204	14.845	56.774	38553.301	47830.23	31.176	32.525	25.903	1.023
2/15/2018 19:30	77400	25.256	14.872	56.891	38603.156	47862.094	31.201	32.546	25.905	1.023

2/15/2018 19:45	78300	25.3	14.912	56.991	38650.57	47875.129	31.213	32.555	25.873	1.023
2/15/2018 20:00	78320	25.346	14.91	57.894	38646.445	47871.836	31.211	32.553	25.876	1.024
2/15/2018 20:15	80100	25.385	14.888	57.483	38619	47863.566	31.208	32.547	25.884	1.025
2/15/2018 20:30	81000	25.424	14.865	57.27	38682.668	47968.691	31.278	32.619	25.851	1.023
2/15/2018 20:45	81900	25.472	14.874	57.377	38699.902	47978.949	31.286	32.626	25.84	1.023
2/15/2018 21:00	82802	25.502	14.883	57.466	38712.406	48012.462	31.327	32.664	25.866	1.023
2/15/2018 21:15	83700.001	25.539	14.882	57.538	38602.75	48221.688	31.463	32.791	25.905	1.023
2/15/2018 21:30	84600	25.568	14.884	57.594	38699.723	48228.52	31.468	32.795	25.701	1.023
2/15/2018 21:45	85500	25.607	14.882	57.682	38911.402	48311.766	31.543	32.866	25.647	1.023
2/15/2018 22:00	86400	25.63	14.886	57.735	39005.388	48443.738	31.624	32.942	25.548	1.023
2/15/2018 22:15	87300	25.661	14.879	57.804	39101.074	48471.16	31.644	32.96	25.575	1.023
2/15/2018 22:30	88200	25.692	14.882	57.874	39166.699	48549.457	31.701	33.014	25.532	1.023
2/15/2018 22:45	89100	25.707	14.879	57.908	39236.648	48638.641	31.766	33.074	25.516	1.024
2/15/2018 23:00	90000	25.732	14.883	57.964	39279.762	48687.785	31.802	33.108	25.458	1.024
2/15/2018 23:15	90900	25.751	14.888	58.007	39308.031	48716.824	31.823	33.127	25.44	1.024
2/15/2018 23:30	91800	25.77	14.881	58.048	39369.324	48801.25	31.884	33.185	25.4	1.024
2/15/2018 23:45	92700	25.786	14.885	58.086	39402.019	48897.02	31.954	33.25	25.348	1.024
2/16/2018 0:00	93600	25.803	14.881	58.124	39473.637	48930.438	31.978	33.273	25.333	1.024
2/16/2018 0:15	94500	25.823	14.874	58.168	39485.086	48933.32	31.994	33.288	25.326	1.024
2/16/2018 0:30	95400	25.832	14.873	58.149	39507.078	48981.512	32.015	33.307	25.312	1.024
2/16/2018 0:45	96300	25.846	14.872	58.22	39590.395	49085.41	32.009	33.378	25.299	1.024
2/16/2018 1:00	97200	25.848	14.866	58.225	39578.91	49078.246	32.085	33.373	25.266	1.024
2/16/2018 1:15	98100.001	25.866	14.854	58.265	39635.852	49162.605	32.145	33.431	25.23	1.024
2/16/2018 1:30	99000	25.868	14.86	58.271	39643.277	49165.34	32.148	33.432	25.225	1.024
2/16/2018 1:45	99900	25.878	14.857	58.292	39693.605	49215.535	32.185	33.467	25.193	1.024
2/16/2018 2:00	100800.01	25.882	14.91	58.301	39784.996	49281.293	32.238	33.513	25.135	1.024
2/16/2018 2:15	101700	25.89	14.911	58.321	39795.336	49295.039	32.222	33.516	25.129	1.024
2/16/2018 2:30	102600	25.894	14.94	58.328	39662.309	49095.363	32.103	33.385	25.213	1.024
2/16/2018 2:45	103500	25.899	14.989	58.341	39509.23	48849.465	31.928	33.218	25.311	1.024
2/16/2018 3:00	104400	25.903	15.069	58.348	39390.184	48611.012	31.76	33.055	25.387	1.023
2/16/2018 3:15	105300	25.915	15.154	58.377	39289.914	48390.207	31.606	32.905	25.462	1.023
2/16/2018 3:30	106200	25.912	15.235	58.37	39179.414	48179.414	31.458	32.762	25.515	1.023
2/16/2018 3:45	107100	25.934	15.299	58.419	39183.852	48094.918	31.402	32.705	25.521	1.023
2/16/2018 4:00	108000.01	25.935	15.351	58.42	39140.93	47984.578	31.325	32.63	25.549	1.023
2/16/2018 4:15	108900	25.942	15.393	58.437	39155.984	47951.199	31.289	32.592	25.527	1.023
2/16/2018 4:30	109800	25.949	15.427	58.452	39173.215	47938.461	31.297	32.598	25.528	1.023
2/16/2018 4:45	110700	25.97	15.449	58.5	39224.473	47974.406	31.325	32.623	25.496	1.023
2/16/2018 5:00	111600	25.978	15.453	58.518	39190.668	47930.883	31.293	32.593	25.481	1.023
2/16/2018 5:15	112500	25.985	15.433	58.534	39187.629	47949.59	31.306	32.606	25.518	1.023
2/16/2018 5:30	113400	25.995	15.432	58.555	39133.238	47881.441	31.257	32.561	25.554	1.023
2/16/2018 5:45	114300	26.017	15.433	58.608	39196.203	47959.895	31.313	32.613	25.513	1.023
2/16/2018 6:00	115200	26.029	15.451	58.631	39188.961	47930.953	31.293	32.593	25.527	1.024
2/16/2018 6:15	116100	26.038	15.462	58.652	39220.211	47956.484	31.313	32.597	25.497	1.023
2/16/2018 6:30	117000	14.127	15.392	31.823	38233.398	46851.02	30.505	31.859	26.141	1.022
2/16/2018 6:45	117900.01	13.649	15.333	31.845	37785.957	46747.533	30.736	31.765	26.126	1.022
2/16/2018 7:00	118800	13.294	15.284	29.947	36890.234	45406.813	29.455	30.877	27.041	1.022
2/16/2018 7:15	119700	13.187	15.26	29.705	36742.645	45160.781	29.261	30.696	27.216	1.021
2/16/2018 7:30	120600	12.978	15.256	29.234	36548.77	44906.012	29.092	30.536	27.361	1.021
2/16/2018 7:45	121500	12.879	15.245	29.012	36454.525	44802.107	29.017	30.465	27.421	1.021
2/16/2018 8:00	122400	12.884	15.246	29.005	36290.879	44599.734	28.871	30.328	27.555	1.021
2/16/2018 8:15	123300	12.83	15.235	28.941	36227.793	44534.254	28.824	30.283	27.603	1.021
2/16/2018 8:30	124200	12.732	15.221	28.68	36136.844	44362.735	28.745	30.217	27.633	1.021
2/16/2018 8:45	125100	12.765	15.228	28.755	36079.934	44350	28.697	30.164	27.716	1.021
2/16/2018 9:00	126000	12.825	15.227	28.889	36083.105	44363.902	28.701	30.167	27.714	1.021
2/16/2018 9:15	126900	12.777	15.221	28.781	36052.523	44331.441	28.678	30.147	27.737	1.021
2/16/2018 9:30	127800	12.611	15.224	28.453	35995.781	44360.363	28.624	30.107	27.821	1.021
2/16/2018 9:45	128700.01	12.513	15.222	28.387	35957.012	44214.715	28.593	30.066	27.811	1.021
2/16/2018 10:00	129600	12.435	15.216	28.011	35911.809	44165.336	28.557	30.032	27.846	1.021
2/16/2018 10:15	130500	12.31	15.203	27.733	35990.703	44252.621	28.636	30.107	27.785	1.021
2/16/2018 10:30	131400	12.153	15.196	27.376	35958.813	44244.34	28.605	30.073	27.817	1.021
2/16/2018 10:45	132300	12.045	15.19	27.133	35908.078	44188.047	28.572	30.048	27.849	1.021
2/16/2018 11:00	133200	11.871	15.179	26.944	35944.07	44242.762	28.611	30.085	27.821	1.021
2/16/2018 11:15	134100	11.741	15.17	26.749	35879.988	44174.012	28.561	30.047	27.871	1.021
2/16/2018 11:30	135000	11.483	15.161	25.866	35928.316	44242.211	28.609	30.085	27.833	1.021
2/16/2018 11:45	135900	11.456	15.156	25.897	35963.934	44291.758	28.644	30.118	27.806	1.021
2/16/2018 12:00	136800	11.436	15.152	25.761	35121.547	43258.609	27.904	29.416	28.473	1.02
2/16/2018 12:15	137700	11.418	15.148	25.721	35007.441	43195.983	27.859	29.371	28.491	1.021
2/16/2018 12:30	138600	11.462	15.152	25.785	35784.5	44074.328	28.488	29.971	27.945	1.021
2/16/2018 12:45	139500	11.44	15.152	25.77	35345.57	43534.625	28.101	29.604	28.292	1.021
2/16/2018 13:00	140400	11.345	15.147	25.656	35166.035	43426.45	28.055	29.577	28.267	1.021
2/16/2018 13:15	141300	11.411	15.146	25.704	35868.004	44184.219	28.566	29.685	27.488	1.021
2/16/2018 13:30	142200	11.368	15.149	25.608	35922.121	44247.223	28.612	29.688	27.818	1.021
2/16/2018 13:45	143100	11.319	15.147	25.478	35817.293	44187.086	28.569	29.647	27.877	1.021
2/16/2018 14:00	144000	11.291	15.139	25.433	34281.016	44243.493	27.179	28.736	28.166	1.02
2/16/2018 14:15	144900	11.147	15.137	25.109	35794.395	44042.586	28.507	29.99	27.937	1.021
2/16/2018 14:30	145800	11.195	15.14	25.219	35667.18	43942.836	28.393	29.981	28.037	1.021
2/16/2018 14:45	146700	11.108	15.137	25.022	35838.862	44155.41	28.545	29.963	27.963	1.021
2/16/2018 15:00	147600	11.129	15.133	25.008	35624.305	43897.113	28.36	29.85	28.071	1.021
2/16/2018 15:15	148500	11.168	15.141	25.156	35816.641	44126.16	28.524	30.006	27.92	1.021
2/16/2018 15:30	149400	11.084	15.136	24.968	35677	43959.309	28.405	29.982	28.029	1.021
2/16/2018 15:45	150300	11.04	15.134	24.87	35727.762	44029.265	28.454	29.948	28.066	1.021
2/16/2018 16:00	151200	10.986	15.134	24.747	33724.582	41555.102	26.688	28.257	29.652	1.02
2/16/2018 16:15	152100	10.974	15.134	24.782	35697.766	43986.898	28.421	29.911	28.013	1.021
2/16/2018 16:30	153000	10.958	15.135	24.874	35997.559	43997.559	28.432	29.918	28.006	1.021
2/16/2018 16:45	153900	10.943	15.132	24.951	31593.14	41342.125	26.537	28.113	29.864	1.021
2/16/2018 17:00	154800	10.834	15.13	24.404	35362.918	43578.068	28.131	28.633	28.278	1.021
2/16/2018 17:15	155700	10.92	15.131	24.599	35976.546	44332.836	28.672	30.146	27.796	1.021
2/16/2018 17:30	156600	10.889	15.128	24.538	35954.785	441401.518	26.579	28.128	28.271	1.021
2/16/2018 17:45	157500	10.859	15.134	24.462	34783.656	42860.352	27.618	29.145	28.749	1.02
2/16/2018 18:00										

2/17/2018 11:15	220500	10.755	15.148	24.227	35772.195	44061.469	28.48	29.963	27.955	1.021
2/17/2018 11:30	221400	10.598	15.472	24.038	34871.551	42961.098	28.47	29.963	27.955	1.021
2/17/2018 11:45	222300	10.581	15.143	23.835	35716.109	44000.227	28.434	29.92	27.899	1.021
2/17/2018 12:00	223200	10.522	15.135	23.701	35103.98	43253.445	27.899	29.212	28.487	1.02
2/17/2018 12:15	224100	10.619	15.138	23.92	35726.793	44018.203	28.447	29.932	27.99	1.021
2/17/2018 12:30	225000	10.649	15.145	23.986	34486.217	42483.042	27.35	28.988	27.958	1.02
2/17/2018 12:45	225900	10.631	15.14	23.988	35795.582	44011.309	28.507	29.989	27.936	1.021
2/17/2018 13:00	226800	10.606	15.144	23.89	33940.885	41812.48	26.872	28.432	29.463	1.02
2/17/2018 13:15	227700	10.554	15.142	23.774	35798.285	44101.906	28.507	29.989	27.934	1.021
2/17/2018 13:30	228600	10.544	15.141	23.751	34300.144	42257.418	27.189	28.735	29.154	1.02
2/17/2018 13:45	229500	10.59	15.142	23.856	35768.328	44063.633	28.481	29.965	27.958	1.021
2/17/2018 14:00	230400	10.518	15.139	23.692	34811.308	4291.941	27.657	29.181	28.71	1.02
2/17/2018 14:15	231300	10.488	15.134	23.626	35602.898	43860.734	28.34	29.938	27.958	1.021
2/17/2018 14:30	232200	10.507	15.133	23.669	35613.973	43884.383	28.351	29.941	28.079	1.021
2/17/2018 14:45	233100	10.482	15.134	23.612	35414.086	43637.527	28.174	29.674	28.237	1.021
2/17/2018 15:00	234000	10.481	15.134	23.608	35794.285	44100.012	28.51	29.992	27.937	1.021
2/17/2018 15:15	234900	10.415	15.145	23.426	34358.156	42341.313	27.248	28.792	29.105	1.02
2/17/2018 15:30	235800	10.442	15.133	23.522	35305.449	43507.719	28.081	29.585	28.324	1.021
2/17/2018 15:45	236700	10.399	15.13	23.424	35709.223	44004.664	28.437	29.923	28.004	1.021
2/17/2018 16:00	237600	10.365	15.127	23.372	34416.215	42414.277	27.299	28.842	29.056	1.02
2/17/2018 16:15	238500	10.374	15.127	23.368	35432.09	43664.456	28.194	29.693	28.223	1.021
2/17/2018 16:30	239400	10.38	15.129	23.383	35709.977	44006.867	28.438	29.925	28.003	1.021
2/17/2018 16:45	240300	10.324	15.125	23.257	35678.906	43972.684	28.413	29.901	28.028	1.021
2/17/2018 17:00	241200	10.303	15.125	23.209	34612.369	43658.121	27.473	29.608	28.891	1.02
2/17/2018 17:15	242100	10.274	15.122	23.143	35695.055	43995.055	28.43	29.917	28.015	1.021
2/17/2018 17:30	243000	10.298	15.125	23.198	35775.086	44090.754	28.498	29.982	27.952	1.021
2/17/2018 17:45	243900	10.227	15.128	23.052	33128.52	40991.137	28.548	27.875	28.027	1.019
2/17/2018 18:00	244800	10.267	15.119	23.127	33384.898	43616.563	28.158	29.609	28.261	1.021
2/17/2018 18:15	245700	10.282	15.124	23.161	34906.992	43022.746	27.734	29.255	28.648	1.02
2/17/2018 18:30	246600	10.268	15.123	23.113	35745.371	44057.051	28.474	29.959	27.976	1.021
2/17/2018 18:45	247500	10.245	15.122	23.094	35793.816	44117.043	28.517	29.96	27.958	1.021
2/17/2018 19:00	248400	10.245	15.122	23.078	35826.918	44158.742	28.547	30.028	27.912	1.021
2/17/2018 19:15	249300	10.288	15.122	23.175	33112.895	40812.891	26.161	27.753	30.2	1.019
2/17/2018 19:30	250200	10.204	15.122	22.986	35086.563	43254.188	27.902	29.416	28.453	1.02
2/17/2018 19:45	251100	10.279	15.154	23.154	35662.791	43971.791	28.415	29.954	29.105	1.021
2/17/2018 20:00	252000.01	10.279	15.121	23.155	35753.699	44068.688	28.482	29.967	27.969	1.021
2/17/2018 20:15	252900	10.297	15.125	23.195	34125.199	42508.324	27.046	28.6	29.304	1.02
2/17/2018 20:30	253800	10.261	15.113	23.129	35711.543	44008.438	28.429	29.935	28.028	1.021
2/17/2018 20:45	254700	10.285	15.126	23.167	35659.254	43947.906	28.396	29.885	28.043	1.021
2/17/2018 21:00	255600	10.339	15.129	23.289	33345.336	41091.074	26.36	27.943	29.989	1.019
2/17/2018 21:15	256500	10.352	15.113	23.139	35638.895	43918.361	28.375	29.864	28.059	1.021
2/17/2018 21:30	257400	10.429	15.133	23.114	35071.114	43594.891	28.401	29.889	28.094	1.02
2/17/2018 21:45	258300.01	10.366	15.132	23.151	34059.578	41970.488	28.54	29.984	29.36	1.02
2/17/2018 22:00	259200	10.451	15.127	23.341	35881.004	44222.289	28.593	30.071	27.868	1.021
2/17/2018 22:15	260100	10.414	15.135	23.459	35888.922	44169.731	28.548	30.059	28.049	1.021
2/17/2018 22:30	261000	10.414	15.136	23.457	35762.556	43762.859	28.264	29.759	28.155	1.021
2/17/2018 22:45	261900	10.443	15.139	23.525	35764.613	44063.805	28.48	29.963	27.962	1.021
2/17/2018 23:00	262800	10.491	15.136	23.633	34468.941	42470.285	27.34	28.88	29.012	1.02
2/17/2018 23:15	263700	10.432	15.139	23.5	35667.566	43944.691	28.394	29.942	28.027	1.021
2/17/2018 23:30	264600	10.404	15.138	23.437	33426.563	41184.559	26.425	28.006	29.916	1.019
2/17/2018 23:45	265500	10.394	15.138	23.414	358978.02	44204.434	28.58	30.059	27.872	1.021
2/18/2018 0:00	266400	10.444	15.139	23.527	35815.047	44150.754	28.542	30.023	27.866	1.021
2/18/2018 0:15	267300	10.491	15.14	23.631	35911.832	44246.718	28.611	30.088	27.844	1.021
2/18/2018 0:30	268200	10.441	15.142	23.519	33118.367	40800.277	26.153	27.744	30.195	1.019
2/18/2018 0:45	269100	10.408	15.143	23.446	35925.781	44258.602	28.62	30.096	27.835	1.021
2/18/2018 1:00	270000	10.389	15.14	23.402	35712.488	44147.938	28.448	29.953	27.827	1.021
2/18/2018 1:15	270900	10.424	15.137	23.48	35746.84	44041.902	28.465	29.95	27.975	1.021
2/18/2018 1:30	271800	10.42	15.143	23.472	35735.383	44024.039	28.451	29.936	27.983	1.021
2/18/2018 1:45	272700	10.376	15.138	23.374	35656.539	43864.445	28.34	29.831	28.086	1.021
2/18/2018 2:00	273600	10.377	15.141	23.375	35765.713	44063.261	28.493	29.963	27.958	1.021
2/18/2018 2:15	274500	10.385	15.139	23.392	35508.113	43747.867	28.253	29.749	28.163	1.021
2/18/2018 2:30	275400	10.408	15.135	23.446	35792.957	44102.371	28.507	29.99	27.938	1.021
2/18/2018 2:45	276300	10.42	15.136	23.472	35103.684	43285.802	27.922	29.465	28.045	1.021
2/18/2018 3:00	277200	10.363	15.135	23.344	35798.652	44110.016	28.513	29.995	27.934	1.021
2/18/2018 3:15	278100	10.334	15.134	23.279	35039.797	43175.789	27.844	29.36	28.539	1.02
2/18/2018 3:30	279000	10.392	15.135	23.403	35736.473	44023.957	28.457	29.942	27.983	1.021
2/18/2018 3:45	279900	10.307	15.131	23.188	34942.258	43554.900	27.76	29.28	28.8	1.02
2/18/2018 4:00	280800	10.225	15.133	23.033	35684.488	43971.809	28.413	29.901	28.023	1.021
2/18/2018 4:15	281700	10.368	15.133	23.355	35855.73	44182.82	28.565	30.044	27.89	1.021
2/18/2018 4:30	282600.01	10.241	15.135	23.169	35403.891	43549.051	27.824	29.243	29.044	1.021
2/18/2018 4:45	283500	10.267	15.135	23.126	35819.438	44135.902	28.531	30.012	27.918	1.021
2/18/2018 5:00	284400	10.308	15.131	23.22	34611.949	42654.508	27.471	29.005	28.89	1.02
2/18/2018 5:15	285300	10.283	15.134	23.164	35818.582	44153.861	28.531	30.012	27.918	1.021
2/18/2018 5:30	286200	10.315	15.132	23.14	35298.508	43486.065	28.065	29.517	28.027	1.021
2/18/2018 5:45	287100	10.335	15.129	23.151	35714.004	44011.469	28.441	29.928	28	1.021
2/18/2018 6:00	288000	10.316	15.129	23.237	34246.445	42201.465	27.149	28.698	29.2	1.02
2/18/2018 6:15	288900	10.247	15.135	23.083	35018.168	43148.412	27.824	29.241	28.341	1.021
2/18/2018 6:30	289800	10.265	15.138	23.214	35827.313	44142.23	28.536	30.017	27.912	1.021
2/18/2018 6:45	290700	10.289	15.129	23.178	34314.418	42286.715	27.209	28.755	29.142	1.02
2/18/2018 7:00	291600	10.258	15.131	23.106	35762.078	44068.797	28.483	29.967	27.963	1.021
2/18/2018 7:15	292500	10.255	15.131	23.1	33956.477	43481.793	28.893	28.854	28.449	1.02
2/18/2018 7:30	293400	10.237	15.13	23.036	35809.895	44080.895	28.355	29.846	28.076	1.021
2/18/2018 7:45	294300	10.258	15.132	23.102	35725.801	44021.262	28.45	29.936	27.991	1.021
2/18/2018 8:00	295200	10.199	15.128	22.975	35245.441	43435.926	28.029	29.536	28.172	1.021
2/18/2018 8:15	296100	10.244	15.134	23.075	35807.011	44181.329	28.534	29.945	27.958	1.021
2/18/2018 8:30	297000	10.29	15.135	23.18	35266.863	43454.324	28.043	29.549	28.355	1.021
2/18/2018 8:45	297900	10.314	15.134	23.234	35737.52	44027.156	28.46	29.945	27.982	1.021
2/18/2018 9:00	298800	10.315	15.131	23.155	34216.562	43214.267	27.159	28.707	28.19	1.021
2/18/2018 9:15	299700	10.294	15.136	23.188	35912.711	44249.371	28.613	30.09	27.845	1.021
2/18/2018 9:										

2/19/2018 2:45	362700	10.379	15.135	23.38	35871.215	44198.703	28.577	30.656	27.878	1.021
2/19/2018 3:00	363600	10.381	15.136	23.203	35880.332	44191.133	28.556	30.656	27.878	1.021
2/19/2018 3:15	364500	10.382	15.135	23.183	34330.082	42300.152	27.219	28.754	27.929	1.02
2/19/2018 3:30	365400	10.289	15.132	23.176	35842.777	44167.031	28.553	30.084	27.9	1.021
2/19/2018 3:45	366300	10.307	15.134	23.218	35968	44319.699	28.663	30.137	27.802	1.021
2/19/2018 4:00	367200	10.285	15.135	23.109	34535.344	42553.400	27.399	28.956	28.566	1.02
2/19/2018 4:15	368100	10.296	15.131	23.192	35702.668	43955.586	28.43	28.009	28.917	1.021
2/19/2018 4:30	369000	10.225	15.132	23.033	35136.453	43296.602	27.93	29.442	28.46	1.021
2/19/2018 4:45	369900	10.118	15.132	23.142	35761.16	44067.023	28.481	29.966	27.963	1.021
2/19/2018 5:00	370800	10.382	15.138	23.175	34792.602	43375.172	27.629	29.155	28.742	1.02
2/19/2018 5:15	371700	10.187	15.131	22.947	35815.172	44159.414	28.548	30.028	27.906	1.021
2/19/2018 5:30	372600	10.234	15.131	23.054	35509.117	43756.98	28.259	29.755	28.162	1.021
2/19/2018 5:45	373500.001	10.179	15.128	23.029	35872.617	44208.844	28.583	30.029	27.876	1.021
2/19/2018 6:00	374400.001	10.243	15.126	23.073	35808.832	44131.426	28.527	30.009	27.926	1.021
2/19/2018 6:15	375300	10.214	15.129	23.009	33770.414	44166.664	26.732	28.299	27.612	1.02
2/19/2018 6:30	376200	10.199	15.129	22.975	33870.367	44204.523	28.58	30.059	27.878	1.021
2/19/2018 6:45	377100	10.204	15.132	22.986	34446.941	42450.289	27.325	28.866	28.028	1.02
2/19/2018 7:00	378000	10.251	15.128	23.091	35833.145	44159.66	28.548	30.029	27.907	1.021
2/19/2018 7:15	378900	10.225	15.127	23.033	32905.398	40552.273	25.976	27.576	30.39	1.019
2/19/2018 7:30	379800	10.302	15.132	23.245	35853.488	44180.875	28.563	30.043	27.894	1.021
2/19/2018 7:45	380700.001	10.205	15.127	23.034	35668.781	43958.375	28.403	29.892	28.036	1.021
2/19/2018 8:00	381600	10.243	15.13	23.074	34764.902	42840.973	27.604	29.132	28.765	1.02
2/19/2018 8:15	382500	10.331	15.129	23.272	35871.125	44163.828	28.551	30.031	27.904	1.021
2/19/2018 8:30	383400	10.244	15.125	23.076	34415.051	42414.688	27.3	28.842	28.057	1.02
2/19/2018 8:45	384300	10.257	15.127	23.106	35896.367	44238.941	28.604	30.082	27.858	1.021
2/19/2018 9:00	385200	10.277	15.129	23.15	35702.277	43997.199	28.431	29.918	28.908	1.021
2/19/2018 9:15	386100	10.317	15.131	23.285	34557.949	43177.672	27.845	29.584	28.917	1.02
2/19/2018 9:30	387000.001	10.375	15.135	23.371	35840.813	44161.965	28.55	30.03	27.901	1.021
2/19/2018 9:45	387900	10.426	15.143	23.485	35775.086	44072.77	28.486	29.969	27.952	1.021
2/19/2018 10:00	388800	10.495	15.138	23.641	34602.223	42632.727	27.456	28.99	28.9	1.02
2/19/2018 10:15	389700.1	10.531	15.143	23.723	35829.23	44138.023	28.534	30.037	27.859	1.021
2/19/2018 10:30	390600	10.581	15.15	23.858	33984.563	43894.563	28.424	29.91	28.004	1.021
2/19/2018 10:45	391500	10.575	15.146	23.105	34436.438	44020.219	27.305	28.846	29.039	1.02
2/19/2018 11:00	392400	10.618	15.145	23.818	33799.992	41526.813	26.609	29.738	29.665	1.02
2/19/2018 11:15	393300	10.488	15.144	23.626	35846.664	44155.670	28.549	29.827	28.807	1.021
2/19/2018 11:30	394200	10.479	15.149	23.605	35623.867	43896.113	28.36	29.849	28.064	1.021
2/19/2018 11:45	395100	10.362	15.135	23.341	34899.934	42952.922	27.684	29.208	28.686	1.02
2/19/2018 12:00	396000	10.602	15.136	23.441	35852.184	44175.15	28.559	30.059	27.892	1.021
2/19/2018 12:15	396900	10.414	15.134	23.458	35794.273	44105.633	28.509	29.992	27.917	1.021
2/19/2018 12:30	397800	10.384	15.133	23.391	35820.492	44138.676	28.533	30.014	27.912	1.021
2/19/2018 12:45	398700	10.38	15.139	23.181	35885.586	44212.387	28.586	30.064	27.866	1.021
2/19/2018 13:00	399600	10.405	15.133	23.188	34077.145	41990.833	26.988	28.642	28.854	1.02
2/19/2018 13:15	400500	10.494	15.142	23.638	35855.152	44172.504	28.558	30.037	27.889	1.021
2/19/2018 13:30	401400	10.47	15.134	23.584	35625.688	43897.816	28.36	29.851	28.07	1.021
2/19/2018 13:45	402300	10.439	15.134	23.614	35041.469	43177.672	27.845	29.584	28.917	1.02
2/19/2018 14:00	403200	10.36	15.134	23.337	35890.57	44223.926	28.594	30.072	27.862	1.021
2/19/2018 14:15	404100	10.346	15.13	23.305	35892.93	44203.867	28.599	30.077	27.861	1.021
2/19/2018 14:30	405000.001	10.311	15.131	23.227	34368.883	42352.602	27.256	28.8	29.096	1.02
2/19/2018 14:45	405900	10.322	15.137	23.252	35854.652	44177.098	28.561	30.04	27.859	1.021
2/19/2018 15:00	406800	10.326	15.128	23.261	34632.457	42679.707	27.489	29.022	28.875	1.02
2/19/2018 15:15	407700	10.488	15.139	23.626	33433.563	41191.742	26.43	28.01	29.91	1.019
2/19/2018 15:30	408600	10.461	15.138	23.613	35848.027	44197.448	28.575	30.054	27.883	1.021
2/19/2018 15:45	409500	10.357	15.132	23.248	35287.258	43482.863	28.063	29.568	28.339	1.021
2/19/2018 16:00	410400	10.269	15.124	23.131	35880.766	44222.84	28.593	30.072	27.87	1.021
2/19/2018 16:15	411300	10.275	15.126	23.146	35604.059	43879.34	28.347	29.838	28.087	1.021
2/19/2018 16:30	412200	10.298	15.123	23.197	33861.745	43174.294	26.821	28.385	28.188	1.02
2/19/2018 16:45	413100	10.213	15.125	23.006	34146.52	43580.538	30.02	27.918	27.918	1.021
2/19/2018 17:00	414000	10.172	15.112	22.914	34598.012	42648.211	27.466	29.001	28.903	1.02
2/19/2018 17:15	414900	10.183	15.127	22.939	35960.664	44253.535	28.666	30.141	27.808	1.021
2/19/2018 17:30	415800	10.276	15.119	23.148	35508.117	43864.195	28.338	29.83	27.83	1.021
2/19/2018 17:45	416700.001	10.239	15.118	23.065	35928.629	44287.332	28.639	30.115	27.833	1.021
2/19/2018 18:00	417600	10.185	15.122	22.942	35778.871	44101.359	28.505	29.989	27.949	1.021
2/19/2018 18:15	418500	10.142	15.116	22.945	35938.066	44203.17	28.548	30.025	27.866	1.021
2/19/2018 18:30	419400	10.143	15.122	22.947	35738.48	44049.027	28.468	29.953	27.981	1.021
2/19/2018 18:45	420300	10.21	15.116	23	33762.742	41620.313	26.734	28.302	29.618	1.02
2/19/2018 19:00	421200	10.189	15.122	22.951	35856.695	44195.086	28.573	30.053	27.889	1.021
2/19/2018 19:15	422100.001	10.126	15.119	22.881	34235.387	42188.102	27.338	28.642	28.854	1.02
2/19/2018 19:30	423000	10.165	15.119	22.888	35887.168	44236.031	28.602	30.081	27.865	1.021
2/19/2018 19:45	423900	10.116	15.122	22.788	34787.828	42877.57	27.63	29.157	28.746	1.02
2/19/2018 20:00	424800	10.086	15.118	22.772	35028.449	43567.569	28.639	30.172	28.912	1.021
2/19/2018 20:15	425700	10.153	15.122	22.872	35180.82	43831.859	27.976	29.486	28.425	1.021
2/19/2018 20:30	426600	10.141	15.118	22.845	35881.941	44382.617	28.599	30.078	27.868	1.021
2/19/2018 20:45	427500	10.081	15.119	22.708	35136.395	43231.926	27.991	29.501	28.412	1.021
2/19/2018 21:00	428400	10.126	15.118	22.81	35911.059	44260.053	28.625	30.086	27.861	1.021
2/19/2018 21:15	429300	10.153	15.119	22.871	35692.176	43995.504	28.429	29.917	28.017	1.021
2/19/2018 21:30	430200	10.117	15.118	22.79	34009.988	41922.676	26.949	28.507	29.403	1.02
2/19/2018 21:45	431100	10.139	15.118	22.84	35945.813	44308.863	28.612	29.654	27.872	1.021
2/19/2018 22:00	432000	10.182	15.119	22.936	34968.719	43103.566	27.791	29.31	28.597	1.02
2/19/2018 22:15	432900	10.277	15.123	23.15	35807.074	44207.055	28.581	30.061	27.881	1.021
2/19/2018 22:30	433800	10.531	15.136	23.722	35784.777	44091.289	28.499	29.982	27.945	1.021
2/19/2018 22:45	434700	10.552	15.14	23.77	34091.24	42691.362	27.096	27.523	28.933	1.02
2/19/2018 23:00	435600	10.599	15.14	23.875	34176.809	44176.809	28.561	30.04	27.888	1.021
2/19/2018 23:15	436500	10.609	15.139	23.899	35827.23	44141.766	28.536	30.016	27.912	1.021
2/19/2018 23:30	437400	10.298	15.128	23.187	34755.594	42881.254	27.597	29.125	28.772	1.02
2/19/2018 23:45	438300	10.279	15.124	23.154	35872.516	44214.5	28.587	30.066	27.876	1.021
2/20/2018 0:00	439200	10.249	15.121	23.088	35788.922	44121.188	28.513	29.996	27.942	1.021
2/20/2018 0:15	440100	10.294	15.126	23.189	34756.668	42835.258	27.6	29.128	28.771	1.02
2/20/2018 0:30	441000	10.266	15.127	23.124	35806.363	44241.311	28.524	30.064	27.858	1.021
2/20/2018 0:45	441900	10.29	15.124	23.18	35901.582	44247.766	28.611	30.088	27.854	1.021
2/20/2018 1:00	442800	10.289	15.121	23.177	35663.035	43957.395				

2/20/2018 18:15	504900	10.043	15.118	22.824	35945.637	44308.941	28.654	30.13	27.82	1.021
2/20/2018 18:30	505800	10.021	15.118	22.873	33188.037	44094.762	26.236	27.815	27.815	1.019
2/20/2018 18:45	506700	9.869	15.117	22.855	32780.301	44106.41	28.592	27.858	27.948	1.021
2/20/2018 19:00	507600	10.021	15.119	22.573	35898.059	44249.188	28.611	30.089	27.857	1.021
2/20/2018 19:15	508500	9.94	15.117	22.39	35594.73	43877.563	28.345	29.837	28.094	1.021
2/20/2018 19:30	509400	9.977	15.117	22.474	35865.305	44208.09	28.582	29.862	27.862	1.021
2/20/2018 19:45	510300	9.964	15.12	22.444	35846.047	44183.789	28.564	30.045	27.897	1.021
2/20/2018 20:00	511200	10.05	15.119	22.639	35926.055	44283.051	28.636	30.112	27.835	1.021
2/20/2018 20:15	512100	9.899	15.119	22.284	35381.203	43609.297	28.153	29.654	28.264	1.021
2/20/2018 20:30	513000	9.944	15.117	22.4	35902.785	44237.395	28.617	30.095	27.853	1.021
2/20/2018 20:45	513900.001	10.043	15.12	22.623	35811.789	44141.477	28.534	30.016	27.924	1.021
2/20/2018 21:00	514800	9.995	15.119	22.516	35796.039	44122.887	28.521	30.004	27.936	1.021
2/20/2018 21:15	515700	9.978	15.119	22.477	35333.98	44243.746	28.024	29.532	27.842	1.021
2/20/2018 21:30	516600	9.987	15.119	22.497	35834.641	44170.84	28.555	30.036	27.906	1.021
2/20/2018 21:45	517500	10.04	15.12	22.615	35693.098	43995.461	28.429	29.917	28.017	1.021
2/20/2018 22:00	518400	10.071	15.119	22.686	35844.027	44182.5	28.563	30.044	27.899	1.021
2/20/2018 22:15	519300	10.02	15.121	22.57	35070.12	43966.707	28.409	29.897	27.948	1.021
2/20/2018 22:30	520200	10.11	15.118	22.773	35862.742	44206.289	28.58	30.06	27.884	1.021
2/20/2018 22:45	521100	10.114	15.12	22.782	35970.547	44338.074	28.675	30.15	27.801	1.021
2/20/2018 23:00	522000	10.097	15.121	22.745	33522.59	41315.133	25.52	28.097	28.379	1.019
2/20/2018 23:15	522900	10.065	15.12	22.673	35721.672	44030.309	28.454	29.941	27.994	1.021
2/20/2018 23:30	523800	10.182	15.118	22.936	34214.625	41275.355	27.129	28.679	28.227	1.02
2/20/2018 23:45	524700	10.13	15.119	22.819	35870.293	44214.5	28.586	30.066	27.878	1.021
2/21/2018 0:00	525600	10.144	15.122	22.851	35792.234	44100.934	28.505	29.989	27.948	1.021
2/21/2018 0:15	526500	10.126	15.121	22.809	34679.047	42744.277	27.535	28.066	28.836	1.02
2/21/2018 0:30	527400	10.176	15.117	22.923	35774.816	44098.918	28.503	29.987	27.953	1.021
2/21/2018 0:45	528300	10.218	15.121	22.016	34515.871	42541.699	27.391	28.93	27.784	1.02
2/21/2018 1:00	529200	10.188	15.117	22.949	35890.023	44241.117	28.605	30.094	27.863	1.021
2/21/2018 1:15	530100	10.225	15.12	23.034	35582.098	43858.813	28.331	28.824	28.104	1.021
2/21/2018 1:30	531000	10.24	15.121	23.067	34806.457	42901.773	27.647	29.173	28.73	1.02
2/21/2018 1:45	531900	10.231	15.12	23.046	35860.906	44201.832	28.577	30.067	27.886	1.021
2/21/2018 2:00	532800	10.198	15.12	22.972	35746.41	44060.977	28.476	29.961	27.975	1.02
2/21/2018 2:15	533700	10.227	15.121	23.038	33421.406	41191.988	26.431	28.012	29.921	1.019
2/21/2018 2:30	534600	10.322	15.127	23.252	35853.434	44163.934	28.501	30.051	27.905	1.021
2/21/2018 2:45	535500	10.172	15.147	23.148	35816.945	44120.145	28.521	30.048	27.875	1.021
2/21/2018 3:00	536400	10.593	15.145	23.862	35752.313	44042.164	28.465	29.949	27.97	1.021
2/21/2018 3:15	537300	10.565	15.14	23.798	34977.082	43092.805	27.785	29.303	28.59	1.02
2/21/2018 3:30	538200	10.266	15.133	23.208	34023.043	43023.043	26.95	28.028	29.393	1.019
2/21/2018 3:45	539100	10.218	15.123	23.016	35854.762	44191.055	28.57	30.05	27.89	1.021
2/21/2018 4:00	540000.001	10.206	15.119	22.99	35054.25	43208.715	27.866	29.382	28.527	1.02
2/21/2018 4:15	540900	10.202	15.117	22.982	35905.898	44261.234	28.62	30.098	27.851	1.021
2/21/2018 4:30	541800	10.142	15.12	23.045	35802.398	44129.988	28.526	30.087	27.852	1.021
2/21/2018 4:45	542700	10.239	15.116	23.064	35221.227	44131.598	28.015	29.524	28.392	1.021
2/21/2018 5:00	543600	10.149	15.118	22.862	35894.574	44245.621	28.609	30.087	27.859	1.021
2/21/2018 5:15	544500	10.113	15.116	22.78	35991.469	44366.813	28.696	30.093	27.784	1.021
2/21/2018 5:30	545400	10.185	15.118	22.944	33544.621	41348.77	26.541	28.117	29.811	1.019
2/21/2018 5:45	546300	10.218	15.119	23.016	35804.754	44134.176	28.529	30.011	27.929	1.021
2/21/2018 6:00	547200	10.137	15.122	22.835	34753.621	42835.078	27.599	29.128	28.776	1.02
2/21/2018 6:15	548100	10.087	15.121	22.721	35897.543	44234.299	28.621	30.059	27.865	1.021
2/21/2018 6:30	549000	10.08	15.121	22.705	35940.234	44299.152	28.647	30.123	27.824	1.021
2/21/2018 6:45	549900	10.051	15.12	22.64	35909.895	44262.121	28.621	30.098	27.847	1.021
2/21/2018 7:00	550800	10.088	15.122	22.725	35835.656	44168.609	28.525	30.095	27.854	1.021
2/21/2018 7:15	551700	10.091	15.117	22.73	34736.504	42806.684	27.579	29.109	28.796	1.02
2/21/2018 7:30	552600	9.992	15.122	22.508	35791.527	44114.309	28.515	29.998	27.94	1.021
2/21/2018 7:45	553500	9.988	15.122	22.499	34010.137	41918.844	26.946	28.505	29.403	1.02
2/21/2018 8:00	554400	10.016	15.115	22.463	35851.323	44197.676	28.574	30.049	27.869	1.021
2/21/2018 8:15	555300	10.014	15.119	22.558	35285.875	44044.414	28.071	29.576	28.34	1.021
2/21/2018 8:30	556200	10.024	15.12	22.581	35903.797	44255.58	28.616	30.094	27.852	1.021
2/21/2018 8:45	557100	9.989	15.122	22.5	34916.672	43056.27	27.757	29.278	28.626	1.02
2/21/2018 9:00	558000	10.196	15.115	22.468	35874.273	44221.531	28.513	30.072	27.875	1.021
2/21/2018 9:15	558900	10.287	15.125	23.172	35714.566	44016.168	28.445	29.931	28	1.021
2/21/2018 9:30	559800	10.384	15.133	23.39	34697.227	42680.98	27.49	29.023	28.871	1.02
2/21/2018 9:45	560700	10.514	15.134	23.707	35869.234	44197.814	28.575	30.072	27.879	1.021
2/21/2018 10:00	561600	10.645	15.139	23.979	35836.262	44152.16	28.543	30.023	27.905	1.021
2/21/2018 10:15	562500	10.555	15.137	23.705	35743.715	44039.871	28.462	29.947	27.977	1.021
2/21/2018 10:30	563400	10.491	15.137	23.633	35622.063	43939.535	28.39	29.879	28.041	1.021
2/21/2018 10:45	564300	10.462	15.128	23.607	35780.438	44163.617	28.741	29.603	27.863	1.02
2/21/2018 11:00	565200	10.305	15.124	23.213	35877.938	44219.25	28.59	30.069	27.872	1.021
2/21/2018 11:15	566100	10.182	15.121	22.937	35700.664	44001.863	28.435	29.923	28.011	1.021
2/21/2018 11:30	567000	10.021	15.116	22.873	35106.68	43731.994	27.994	29.412	27.872	1.021
2/21/2018 11:45	567900	9.945	15.119	22.802	35877.91	44224.531	28.594	30.073	27.873	1.021
2/21/2018 12:00	568800	9.961	15.119	22.438	34661.637	42724.508	27.52	29.053	28.85	1.02
2/21/2018 12:15	569700	10.016	15.122	22.563	35871.684	44211.563	28.586	30.065	27.877	1.021
2/21/2018 12:30	570600	10.012	15.116	22.462	34809.074	42291.348	27.219	28.759	28.147	1.02
2/21/2018 12:45	571500	9.964	15.12	22.445	35850.844	44189.336	28.568	30.049	27.893	1.021
2/21/2018 13:00	572400	9.958	15.119	22.432	34915.707	43037.68	27.744	29.266	28.64	1.02
2/21/2018 13:15	573300	10.005	15.122	22.538	35794.047	44117.586	28.517	30	27.938	1.021
2/21/2018 13:30	574200	9.995	15.118	22.516	35052.551	43207.695	27.865	29.381	28.529	1.02
2/21/2018 13:45	575100	10.009	15.117	22.545	35821.512	44156.566	28.545	30.026	27.919	1.021
2/21/2018 14:00	576000	9.993	15.119	22.511	34252.031	43481.137	28.061	29.567	28.349	1.021
2/21/2018 14:15	576900	9.964	15.124	22.445	35867.91	44206.266	28.581	30.06	27.88	1.021
2/21/2018 14:30	577800	10.015	15.12	22.559	34622.664	42232.215	27.169	28.718	29.186	1.02
2/21/2018 14:45	578700	10.02	15.121	22.572	35874.859	44218.023	28.589	30.068	27.875	1.021
2/21/2018 15:00	579600	10.043	15.119	22.622	35342.793	43564.473	28.121	29.624	28.294	1.021
2/21/2018 15:15	580500	10.012	15.122	22.553	35422.009	43342.105	26.536	28.113	29.813	1.019
2/21/2018 15:30	581400	9.963	15.122	22.443	35768.828	44086.785	28.495	29.979	27.957	1.021
2/21/2018 15:45	582300	10.081	15.12	22.708	34127.18	42111.469	27.226	28.772	29.131	1.02
2/21/2018 16:00	583200.001	9.978	15.124	22.477	35768.199	44081.539	28.493	29.977	27.958	1.021
2/21/2018 16:15	584100	10.064	15.123	22.67	34792.938	42882.633	27.633	29.16	28.741	1.02
2/21/2018 16:30	585000	10.091	15.122	2						

Report Date: 2/23/2018 14:43
Report User Name: AVanHaitsma
Report Computer Name: WKST34
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties

File Name MPWSP Barotroll_2018-02-22_16-56-22-545.wsl
Create Date 2/22/2018 16:56

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 748

Sensors 1

1 399604 Baro-Pressure/Temp

Time Zone: Pacific Standard Time

Date and Time	Elapsed Time Seconds	Sensor: Baro Pres SN#: 399604 Pressure (mmHg)	Sensor: Baro Pres SN#: 399604 Temperature (C)
2/15/2018 0:00	7200	766.972	12.969
2/15/2018 0:15	8100	766.891	12.941
2/15/2018 0:30	9000	766.98	12.855
2/15/2018 0:45	9900	767.217	12.778
2/15/2018 1:00	10800	767.187	12.78
2/15/2018 1:15	11700	766.94	12.701
2/15/2018 1:30	12600	766.856	12.687
2/15/2018 1:45	13500	767.214	12.665
2/15/2018 2:00	14400	767.19	12.582
2/15/2018 2:15	15300	767.008	12.535
2/15/2018 2:30	16200	766.952	12.466
2/15/2018 2:45	17100	767.162	12.381
2/15/2018 3:00	18000	766.738	12.249
2/15/2018 3:15	18900	766.688	12.143
2/15/2018 3:30	19800	766.995	12.068
2/15/2018 3:45	20700	766.623	11.878
2/15/2018 4:00	21600	766.577	11.706
2/15/2018 4:15	22500	767.015	11.642
2/15/2018 4:30	23400	766.692	11.516
2/15/2018 4:45	24300	766.421	11.373
2/15/2018 5:00	25200	766.67	11.217
2/15/2018 5:15	26100	766.984	11.078
2/15/2018 5:30	27000	766.644	11.005
2/15/2018 5:45	27900	766.757	10.941
2/15/2018 6:00	28800	767.011	10.857
2/15/2018 6:15	29700	766.882	10.82
2/15/2018 6:30	30600	767.298	10.772
2/15/2018 6:45	31500	767.272	10.77
2/15/2018 7:00	32400	767.656	10.713
2/15/2018 7:15	33300	767.539	10.684
2/15/2018 7:30	34200	767.738	10.613
2/15/2018 7:45	35100	768.098	10.626
2/15/2018 8:00	36000	767.912	10.749
2/15/2018 8:15	36900	768.287	11.071
2/15/2018 8:30	37800	768.18	11.297
2/15/2018 8:45	38700	768.5	11.548
2/15/2018 9:00	39600	768.361	11.83
2/15/2018 9:15	40500	768.413	12.179
2/15/2018 9:30	41400	768.668	12.432
2/15/2018 9:45	42300	769.097	12.644
2/15/2018 10:00	43200	768.976	12.891
2/15/2018 10:15	44100	768.559	13.068
2/15/2018 10:30	45000	768.684	13.209
2/15/2018 10:45	45900	768.685	13.362
2/15/2018 11:00	46800	768.794	13.55
2/15/2018 11:15	47700	768.482	13.658
2/15/2018 11:30	48600	768.117	13.814
2/15/2018 11:45	49500	768.207	13.937
2/15/2018 12:00	50400	767.973	14.049

2/15/2018 12:15	51300	768.078	14.189
2/15/2018 12:30	52200	768.13	14.302
2/15/2018 12:45	53100	767.554	14.431
2/15/2018 13:00	54000	767.836	14.621
2/15/2018 13:15	54900	767.379	14.767
2/15/2018 13:30	55800	767.129	14.943
2/15/2018 13:45	56700	767.302	15.142
2/15/2018 14:00	57600	767.262	15.349
2/15/2018 14:15	58500	767.287	15.565
2/15/2018 14:30	59400	767.047	15.762
2/15/2018 14:45	60300	767.118	15.95
2/15/2018 15:00	61200	766.606	16.109
2/15/2018 15:15	62100	766.732	16.28
2/15/2018 15:30	63000	767.034	16.448
2/15/2018 15:45	63900	766.746	16.529
2/15/2018 16:00	64800	766.793	16.587
2/15/2018 16:15	65700	766.508	16.519
2/15/2018 16:30	66600	766.755	16.462
2/15/2018 16:45	67500	766.776	16.335
2/15/2018 17:00	68400	767.121	16.192
2/15/2018 17:15	69300	766.99	15.988
2/15/2018 17:30	70200	766.778	15.803
2/15/2018 17:45	71100	767.25	15.624
2/15/2018 18:00	72000	767.47	15.428
2/15/2018 18:15	72900	767.455	15.22
2/15/2018 18:30	73800	767.374	14.973
2/15/2018 18:45	74700	767.922	14.76
2/15/2018 19:00	75600	767.871	14.487
2/15/2018 19:15	76500	767.829	14.413
2/15/2018 19:30	77400	768.119	14.247
2/15/2018 19:45	78300	767.86	14.07
2/15/2018 20:00	79200	767.964	13.888
2/15/2018 20:15	80100	768.245	13.737
2/15/2018 20:30	81000	768.695	13.564
2/15/2018 20:45	81900	768.433	13.425
2/15/2018 21:00	82800	768.718	13.294
2/15/2018 21:15	83700	768.846	13.144
2/15/2018 21:30	84600	768.758	13.067
2/15/2018 21:45	85500	768.962	12.933
2/15/2018 22:00	86400	768.973	12.834
2/15/2018 22:15	87300	769.121	12.717
2/15/2018 22:30	88200	768.992	12.619
2/15/2018 22:45	89100	769.107	12.501
2/15/2018 23:00	90000	769.116	12.374
2/15/2018 23:15	90900	768.987	12.279
2/15/2018 23:30	91800	769.344	12.2
2/15/2018 23:45	92700	769.172	12.131
2/16/2018 0:00	93600	769.227	12.018
2/16/2018 0:15	94500	768.926	11.972
2/16/2018 0:30	95400	769.054	11.858
2/16/2018 0:45	96300	769.167	11.768
2/16/2018 1:00	97200	768.745	11.644
2/16/2018 1:15	98100	768.682	11.532
2/16/2018 1:30	99000	768.921	11.447
2/16/2018 1:45	99900	768.578	11.306
2/16/2018 2:00	100800	769.017	11.185
2/16/2018 2:15	101700	768.767	11.074
2/16/2018 2:30	102600	768.379	10.994
2/16/2018 2:45	103500	768.454	10.925
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2/16/2018 22:15	173700	766.184	12.706
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2/16/2018 22:45	175500	766.242	12.552
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2/17/2018 17:15	242100	763.321	16.453
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2/17/2018 19:15	249300	763.148	14.736
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2/18/2018 19:45	337500	761.603	14.227
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2/19/2018 21:00	428400	763.964	12.93
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2/20/2018 2:15	447300	766.34	10.542
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2/20/2018 3:45	452700	766.342	9.823
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2/21/2018 23:00	608400	766.902	12.265
2/21/2018 23:15	609300	767.185	12.133
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2/21/2018 23:45	611100	767.216	11.945

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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2/15/2018	1:45:00	0	14.7825	6.428
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2/16/2018	15:30:00	0	14.7551	14.715
2/16/2018	15:45:00	0	14.7546	14.149
2/16/2018	16:00:00	0	14.7553	13.708
2/16/2018	16:15:00	0	14.7545	13.284
2/16/2018	16:30:00	0	14.7536	12.909
2/16/2018	16:45:00	0	14.7509	12.611
2/16/2018	17:00:00	0	14.7519	12.31
2/16/2018	17:15:00	0	14.7515	11.998
2/16/2018	17:30:00	0	14.7514	11.671
2/16/2018	17:45:00	0	14.7491	11.311
2/16/2018	18:00:00	0	14.7502	10.861
2/16/2018	18:15:00	0	14.7513	10.406
2/16/2018	18:30:00	0	14.7524	9.883
2/16/2018	18:45:00	0	14.7519	9.287
2/16/2018	19:00:00	0	14.754	8.777
2/16/2018	19:15:00	0	14.7567	8.395
2/16/2018	19:30:00	0	14.7589	8.059
2/16/2018	19:45:00	0	14.7596	7.793
2/16/2018	20:00:00	0	14.7587	7.605

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2/16/2018	20:45:00	0	14.7635	7.452
2/16/2018	21:00:00	0	14.7644	7.195
2/16/2018	21:15:00	0	14.7653	6.825
2/16/2018	21:30:00	0	14.7646	6.575
2/16/2018	21:45:00	0	14.7646	6.247
2/16/2018	22:00:00	0	14.765	6.001
2/16/2018	22:15:00	0	14.7641	5.758
2/16/2018	22:30:00	0	14.764	5.531
2/16/2018	22:45:00	0	14.7612	5.392
2/16/2018	23:00:00	0	14.7602	5.318
2/16/2018	23:15:00	0	14.764	5.306
2/16/2018	23:30:00	0	14.7656	5.352
2/16/2018	23:45:00	0	14.7658	5.276
2/17/2018	0:00:00	0	14.7677	5.012
2/17/2018	0:15:00	0	14.7659	4.742
2/17/2018	0:30:00	0	14.7638	4.632
2/17/2018	0:45:00	0	14.7645	4.507
2/17/2018	1:00:00	0	14.7646	4.433
2/17/2018	1:15:00	0	14.7632	4.209
2/17/2018	1:30:00	0	14.7629	3.991
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2/17/2018	3:45:00	0	14.7534	4.219
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2/17/2018	5:30:00	0	14.7431	3.838
2/17/2018	5:45:00	0	14.7442	3.797
2/17/2018	6:00:00	0	14.7425	3.629
2/17/2018	6:15:00	0	14.7435	3.446
2/17/2018	6:30:00	0	14.7443	3.308
2/17/2018	6:45:00	0	14.7459	3.253
2/17/2018	7:00:00	0	14.7456	3.174
2/17/2018	7:15:00	0	14.746	3.392
2/17/2018	7:30:00	0	14.7495	4.173
2/17/2018	7:45:00	0	14.7533	5.229

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2/17/2018	8:30:00	0	14.7613	9.22
2/17/2018	8:45:00	0	14.7628	10.524
2/17/2018	9:00:00	0	14.7638	11.777
2/17/2018	9:15:00	0	14.763	13.062
2/17/2018	9:30:00	0	14.7638	14.249
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2/17/2018	10:30:00	0	14.7603	18.453
2/17/2018	10:45:00	0	14.7585	19.38
2/17/2018	11:00:00	0	14.7584	20.272
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2/17/2018	11:45:00	0	14.7487	23.368
2/17/2018	12:00:00	0	14.7457	24.287
2/17/2018	12:15:00	0	14.7421	25.134
2/17/2018	12:30:00	0	14.7388	25.816
2/17/2018	12:45:00	0	14.735	26.006
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2/17/2018	13:30:00	0	14.728	24.808
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2/17/2018	14:15:00	0	14.7248	22.124
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2/17/2018	14:45:00	0	14.7224	20.278
2/17/2018	15:00:00	0	14.7222	19.007
2/17/2018	15:15:00	0	14.7219	17.634
2/17/2018	15:30:00	0	14.7218	16.456
2/17/2018	15:45:00	0	14.7196	15.555
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2/17/2018	17:15:00	0	14.7173	12.859
2/17/2018	17:30:00	0	14.716	12.538
2/17/2018	17:45:00	0	14.7132	12.161
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2/17/2018	18:15:00	0	14.7112	11.373
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2/17/2018	18:45:00	0	14.7113	10.589
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2/17/2018	19:30:00	0	14.7098	9.686

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2/17/2018	20:00:00	0	14.7069	9.316
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2/17/2018	20:30:00	0	14.7022	9.173
2/17/2018	20:45:00	0	14.7002	9.184
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2/17/2018	22:00:00	0	14.6998	9.39
2/17/2018	22:15:00	0	14.6989	9.338
2/17/2018	22:30:00	0	14.698	9.305
2/17/2018	22:45:00	0	14.6999	9.278
2/17/2018	23:00:00	0	14.7013	9.362
2/17/2018	23:15:00	0	14.7026	9.417
2/17/2018	23:30:00	0	14.7033	9.597
2/17/2018	23:45:00	0	14.703	9.743
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2/18/2018	0:15:00	0	14.7011	9.907
2/18/2018	0:30:00	0	14.699	10
2/18/2018	0:45:00	0	14.6974	10.097
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2/18/2018	1:30:00	0	14.696	9.69
2/18/2018	1:45:00	0	14.694	9.653
2/18/2018	2:00:00	0	14.6943	9.618
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2/18/2018	2:30:00	0	14.6902	9.236
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2/18/2018	5:30:00	0	14.6971	9.526
2/18/2018	5:45:00	0	14.6974	9.532
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2/18/2018	7:00:00	0	14.6917	9.57
2/18/2018	7:15:00	0	14.6922	9.55

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2/18/2018	9:15:00	0	14.7034	14.857
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2/18/2018	12:45:00	0	14.687	16.532
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2/18/2018	13:15:00	0	14.6795	16.218
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2/18/2018	17:15:00	0	14.6686	10.241
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2/19/2018	23:30:00	0	14.7409	3.447
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2/20/2018	4:15:00	0	14.76	0.387
2/20/2018	4:30:00	0	14.76	0.306
2/20/2018	4:45:00	0	14.7622	0.231
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2/20/2018	6:15:00	0	14.7726	-0.306

2/20/2018	6:30:00	0	14.7735	-0.448
2/20/2018	6:45:00	0	14.7767	-0.517
2/20/2018	7:00:00	0	14.7794	-0.564
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2/20/2018	8:15:00	0	14.7964	4.15
2/20/2018	8:30:00	0	14.8009	5.4
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2/20/2018	13:15:00	0	14.7834	15.277
2/20/2018	13:30:00	0	14.7824	15.34
2/20/2018	13:45:00	0	14.7799	15.132
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2/21/2018	23:30:00	0	14.7806	4.908
2/21/2018	23:45:00	0	14.7814	4.906

GEOSCIENCE

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