



City of Norway

P.O. Box 99 - 915 Main St., Norway, MI 49870 - Ph. 906-563-9961 - Fax 906-563-7502 - norwaymi.gov

November 30, 2016

Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, DC 20426

**Re: Article 404-Water Quality Monitoring Report for 2016
Sturgeon Falls Project, FERC No. 2720**

Dear Secretary Bose:

Pursuant to the requirements of Article 404 of the Order Issuing New License dated January 6, 2005, as amended by Order Amending License dated December 8, 2006 and the Order Approving and Amending the Water Quality Monitoring Plan dated May 18, 2006, the City of Norway, Michigan (City) as the licensee of the Sturgeon Falls Hydroelectric Project (FERC Project No. 2720) is providing a copy of the dissolved oxygen and temperature monitoring results for the second half of the 2016 monitoring season.

As described in the City's letter to the Commission dated November 11, 2016, which provided the monitoring report for the first half of the 2015 monitoring season, the City was forced to discontinue monitoring in July of 2015 due to equipment malfunctions and again resumed monitoring in July of 2016 with newly purchased equipment. The November 11, 2016 letter to the Commission and the 2015 monitoring report was also provided to the Michigan Department of Natural Resources (MDNR) and the Michigan Department of Environmental Quality (MDEQ).

Appendix D-4 of the enclosed report provides the required summary of daily maximum and minimum readings for temperature and dissolved oxygen for the first half of the 2015 monitoring season and the second half of the 2016 monitoring season. Inclusion of the 2015 summaries finalizes the draft 2015 report provided to the Commission on November 11, 2016.

Should you have any questions relative to this information, please do not hesitate to contact me at (906) 563-9961.

Sincerely,

Ray D. Anderson
City Manager

Enc.

cc: Sturgeon Falls Project, FERC No. 2720 Mr. Kyle Kruger-MDNR
Mr. Tim Brew – City of Norway, Electrical Foreman Ms. Koren Carpenter-MDEQ
Ms. Elle Gulotty-MDNR

Water Quality Monitoring Study: Temperature and Dissolved Oxygen

For the Period

July 17- October 1, 2016

At three sites relative to the

Sturgeon Falls Hydro Project

Reflecting completion of 2015 Water Quality Study

Study conducted by:

Dickinson Conservation District

420 N. Hooper Street Kingsford, MI 48902

(906) 774-1550 ext 180

Lindsay Peterson, Project Manager

Ann Hruska, Technician

Background

On July 24, 2002, The Michigan Department of Environmental Quality (MDEQ) granted Water Quality Certification under section 401 of the Federal Clean Water Act to the City of Norway, Michigan for the Sturgeon Falls Hydroelectric Project with a set of twelve conditions. This report reflects water quality monitoring data collected to verify compliance with the Water Quality Certification's Condition (2) (Sturgeon Falls Water Quality Limitations) and a portion of Condition (3) (Water Quality Monitoring and Reporting) (Appendix A). The purpose of the study is to verify that the Sturgeon Falls Project does not alter the temperature and dissolved oxygen levels in the waters below the Project to levels beyond those specified by the MDEQ to maintain the biological health of the river ecosystem. Since the Sturgeon Falls Project is near the confluence of the Sturgeon and Menominee Rivers, upstream locations in both rivers act as the "controls" to provide comparative data out of the influence of the project. On the five-year schedule indicated in the FERC license, a water quality monitoring study of hourly dissolved oxygen and water temperature at three locations respective to the Sturgeon Falls Project was required for the May 1-September 30, 2015 period.

Concerns about data gaps resulting from malfunction of equipment provided by the City of Norway and lack of timely technical support/equipment servicing from the manufacturer, lead to the directive from the City (in consultation with Michigan DEQ) to abort the 2015 study after 12 weeks of monitoring. Dickinson Conservation District prepared a report for the April 26-July 29th, 2015 period and submitted it to the City of Norway in August 2015 as a good faith effort at meeting the 2015 FERC requirements. In July 2016, the Conservation District was directed by the City to complete the study by monitoring in the late July-Sept 30, 2016 time period. **This report reflects the completion of the water quality monitoring study in the period July 17- September 30, 2016.**

The water quality monitoring was conducted by the Dickinson Conservation District (DCD), under contract by the City of Norway, owner and licensee of the Sturgeon Falls Hydroelectric Project. Monitoring equipment was supplied by the City of Norway. Specifics on the City's plan for implementation of the above Conditions are detailed in Section 2 of their *Water Quality Monitoring and Fish Tissue Plan: Temperature and Dissolved Oxygen Monitoring (The Plan)* prepared for the City by Mead & Hunt and approved by the MDEQ to satisfy the FERC license requirements. (Relevant sections may be found in Appendix A.)

Temperature and Dissolved Oxygen Monitoring

A. Monitoring Schedule

Temperature and dissolved oxygen (DO) monitoring are to be conducted from May 1 through September 30 in the year 2010, and from May 1 through Sept 30 at 5-year intervals thereafter for the duration of the term of the current FERC license. This study (July 17- Sept 30, 2016) reflects the completion of the aborted 2015 study (April 26-July 29, 2015.):

Three submersible, portable, continuous recording instruments were deployed on July 17, 2016 and removed from the three different monitoring stations on October 1, 2016. Per the contract between DCD and the City of Norway (City), equipment was supplied by the City and consisted of new Onset HOBO U26-001 Dissolved Oxygen/Temperature Loggers (purchased 6/20/16). A product and specifications sheet for these units is included in Appendix B. The following software edition was also purchased: HOBOWare Pro v.3.7.8.

- Data was downloaded to a PC at 7-14 day intervals.
- Individual units were always returned to the same monitoring site.

B. Monitoring Locations

The temperature and DO monitoring was conducted at representative locations upstream and downstream of the Sturgeon Falls Project according to the locations targeted in the Water Quality Monitoring and Fish Tissue Plan. The targeted monitoring locations included: 1) the Menominee River at or near Highway 8 (upstream of project), 2) the Sturgeon River at or near Highway 2 (upstream of project), and 3) the tailrace of the Sturgeon Falls Project (downstream of project). The specific locations were chosen to consider vandalism avoidance, accessibility, and for depth consistency as much as possible. The same (or within 20 feet) locations were used for the 2010, 2015, and 2016 monitoring. An aerial photo portraying the three monitoring locations is included in Appendix B. The following narrative further describes the three sites:

- 1) The Menominee River at or Near Hwy 8:** About 100' U/S of the bridge, MI side, accessed by the utility road to a pump house for golf course water extraction from the river, west side of Hwy 8. The unit was chained to a tree about 40' U/S of the water extraction pipe. This location avoided the illicit activity under bridge and provided the greatest depth in close proximity to the shore of any of the sites. The logger was secured to a tree on the shore with a 15' length of chain and suspended vertically from a submerged tree in the water. The bottom substrate at this site was sand with scattered large cobble and woody debris.

The manufacturer's serial number for the HOBO unit at this site was:

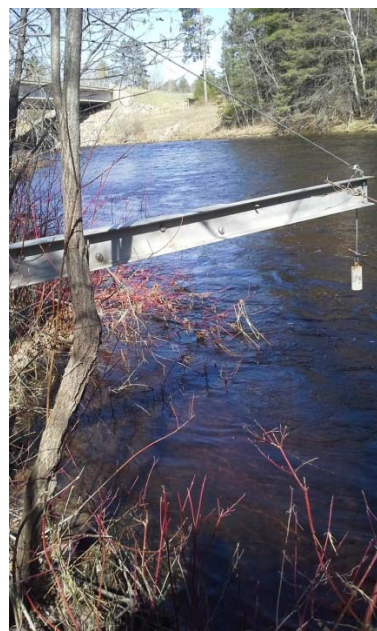
#10937934- Labeled in this study as "Hwy 8."

Water depth 7/17-10/1/16 ranged: 36-45".

GPS Location N45.75739 W087.92258 Elevation: 935'



(Left) Hwy 8



(Right) US 2

Hwy 8 (above left) photo taken at site, looking toward the Hwy 8 bridge over the Menominee River. The exposed sandbar was washed away during early summer high water events in 2015. US2 site (above right) looking upstream from USGS gauging station to US 2 bridge over Sturgeon River.

- 2) **The Sturgeon River at or near US 2:** About 240' D/S of the US 2 Bridge over the Sturgeon River, west bank, accessed by a utility road at SW corner of bridge. The unit was anchored to a tree near the USGS gauging station base with 30' of chain and lodged securely on a submerged concrete pad/structure about 15' into the river. This stretch of river is more heavily traveled, shallower, and has faster flow than other two sites, so mounting it vertically was not possible. The unit's sensors were fully exposed to the river flow. The bottom substrate at this location was small cobble and gravel. Photo above right is taken downstream of US 2 bridge at the USGS gauging station.

The manufacturer's serial number for the HOBO unit at this site was:

#10937935 -Labeled in this study as "US 2"

Water depth 7/17-10/1/16 ranged from 12-24"

GPS Location N45.77623 W 087.82806 855 ft elev.

- 3) **The tailrace of the Sturgeon Falls Project:** The monitoring site was about 320 ft below the dam (200 ft downstream of the Canoe Put In) on the east (MI) side of the river. The unit was chained to a tree and extended about 20 ft out into water, where it was suspended vertically in the fork of a fallen tree. The bottom substrate was large cobble and large woody debris.

The manufacturer's serial number for the HOBO unit at this site:

#10947208- Labeled in this study as "Power Dam"

Depth 7/17-10/1/16 ranged from 36-48"

GPS Location N45.73983 W087.86301 elev. 806 ft



Photo taken from the site and looking toward the dam looking upstream toward the dam.

C. Quality Assurance Plan

The Quality Assurance Plan included: 1) lab calibration of the HOBO units prior to deployment; 2) field calibration at every data download with a YSI Ecosense ODO 200 handheld meter; 3) frequent data collection (every 7-14 days); 4) regular instrument and sensor maintenance; and 5) manufacturer trouble shooting for issues.

Calibration

The Onset HOBO U26-001 units were lab calibrated per manufacturer instructions in a 100% saturated air environment on 7/15/16 and launched with a delayed start of 7/17/16 (12:00 pm). The HOBO U26-

001 units have an accuracy of +/- 0.5 mg/l (ppm) dissolved oxygen in the 8-20 mg/l range and +/- .02 C (+/- .04 F) for temperature measurements.

Once the HOBO loggers were deployed, a YSI EcoSense ODO200 handheld DO/Temp meter was used to conduct field calibrations during each data download event. This YSI model has an accuracy of +/-0.15 mg/l (ppm) dissolved oxygen (DO) and +/- .3 C temperature. (See YSI specifications in Appendix B). The YSI unit was lab calibrated for DO prior to going into the field for a data download event. During the field calibration, two DO (ppm or mg/l) and temperature measurements were recorded: a) prior to removing the HOBO unit from the water, and b) after the data download and redeployment. (See Appendix C 1-3 - Calibration Records). The DO data was then entered into the “Dissolved Oxygen Data Assistant” tool in the HOBOWare PRO software for each data series (see exception below). The Dissolved Oxygen Data Assistant corrects for measurement drift from fouling and is represented in “adjusted” data graphs in the results section.

The Dissolved Oxygen Assistant tool could not be utilized for the US 2 data. This HOBO unit experienced a sensor failure involving one or more hourly logging events within the week’s data set, during 5 of the 8 data series downloaded. We contacted customer support and they could not arrive at a reason for the sensor failures, despite multiple communications. Since only one or two data points were bad in each series, we opted to retain the unit and use the viable data without DO Assistant adjustment. Sensor failures read out as -888.88, which greatly skewed the graph scales. The HOBOWare PRO software does not allow for removal of “bad data” and this could only be done by exporting the data, editing it, and importing data back into the software without the erroneous points. Do to this method of data management, the DO Assistant tool could not be used, since only raw data can be analyzed by the tool.

Data Collection Schedule

As part of our quality assurance program, we opted for 7-14 day data download frequencies, in order to address biofouling issues, react to water conditions, allow for frequent field calibration and catch equipment/data glitches.

All three loggers were launched 7/17/16 and were read-out as follows:

Hwy 8: 7/24; 8/2; 8/12; 8/19; 8/26; 9/2; 9/9; 9/18; 10/1

US 2: 7/24; 8/2; 8/12; 8/16* (*extra readout in response to higher biofouling and first sensor error); 8/19; 8/26; 9/2; 9/9; 9/18; 10/1

Power Dam: 7/24; 8/2; 8/12; 8/19; 8/26; 9/2; 9/9; 9/18; 10/1



Data logger connected field computer during data download event.

Regular Instrument Maintenance

Casing and sensor cleaning: Each unit was cleaned at the read- out events listed above. Cleaning included wiping/brushing/rinsing the casing exterior, wiping/ brushing/rinsing the sensor protector, and wiping and rinsing the sensor tip to remove algae, diatoms, sediment, and benthic macroinvertebrates. The highest biofouling was observed at the 8/2 read out, with the US 2 unit experiencing the greatest degree of biofouling (about 1/3 of the sensor face covered by brown diatom growth.) Rainfall was higher than normal in the latter part of the summer and high flow rates likely contributed to minimal biofouling

among all units in late Aug and Sept. The optical DO sensor and internal temperature thermistor did not require any additional maintenance. Casing seals were kept clean and lubricated.

Battery maintenance: HOBO U26-001 units have a factory only replaceable battery that can't be accessed by users. The HOBOWare PRO software monitors battery status and the battery status was checked and recorded at each read-out. The battery status was indicated to be "Good" at each of read-outs. This is to be expected, as the units were brand new and were only deployed for about 10 weeks.

Dissolved Oxygen Sensor Cap Replacement: The HOBO U26-001 DO sensor cap has a specific life span that begins with first logging initiation and expires in 7 months. The 2016 monitoring study (2.5 months long) was completed long before potential cap expiration (2/17/17).

Biofouling of the optical DO Sensor of the US-2 Unit, 8/2/2016



Troubleshooting

Several troubleshooting conversations were conducted with ONSET service rep, Sean Hitte, regarding the isolated sensor failure events on the US 2 unit. One or two data points per week would read out as -888.88. The rest of the data set appeared to contain viable data (based on comparison with calibration values and data from other units.) The ONSET reps could not determine a cause for the failure of simultaneous DO and temperature failures in this isolated fashion (one or two logging points on 5 of 8 data series), so we decided to continue deployment of the US 2 unit for the relatively short study period left. Neither could we explain it with a physical or environmental stress. The unit will be sent in for factory service. The Hwy 8 and Power Dam units were trouble free for the duration of this study.

D. Reporting of Data

Temperature Data

Raw data for hourly temperature measurements collected 7/17/16 to 10/1/16 by the HOBO U26-001 loggers at the Hwy 8 Menominee River, US 2 Sturgeon River, and Power Dam tail race can be found in Appendix D. Daily minimum, maximum, and average temperature readings for each site is also tabulated in Appendix D. The daily min, max and average data is included for both 2016 (this study portion) and the 2015 study portion (having not been included in the 2015 report.)

Graphs of the hourly temperatures in degrees Fahrenheit for the three sites are included in Appendix D. Per the limitations specified in the Sturgeon Falls Project FERC license, average monthly river temps below the Sturgeon Dam may not exceed the following: April 56 F, May 70 F, June 80 F, July 83 F, Aug 81 F, Sept 74 F, but only when the US 2 (upstream Sturgeon River) and Hwy 8 (upstream Menominee River) locations remain below these levels.

Dissolved Oxygen Data

Raw data for hourly dissolved oxygen levels in mg/l collected by the HOBO U26-001 loggers at the Hwy 8 Menominee River, US 2 Sturgeon River, and Power Dam tail race can be found in Appendix D.

A minimum threshold of 5 mg/l DO is required for achievement of water quality standards as set forth in the FERC licensing agreement.

Graphs of the hourly DO values, including data adjusted by the Dissolved Oxygen Assistant tool and incorporating field calibration data for Hwy 8 and Power Dam locations (Note: US2 data was not adjusted), are portrayed in Appendix D.

E. Summary and Discussion of Data

Power Dam: There were no instances, in either the 2015 or 2016 data, where the temperature or dissolved oxygen crossed the respective thresholds, as discussed in the previous sections, for this monitoring site.

Hwy 8: There were no instances during the 2016 monitoring period of this report where the temperature or dissolved oxygen crossed the respective thresholds, as discussed in the previous sections, for this monitoring site. There are two periods of time during the 2015 monitoring period where the dissolved oxygen fell below the 5 mg/L threshold. This data logger unit (Eureka Manta 2) experience several technical issues throughout the 2015 monitoring period, including a leaky battery pack and complete reprogramming. The discrepancies in data were attributed to these technical issues. Temperature did not exceed monthly limits in 2015.

US2: During the 2015 monitoring period, the temperature and dissolved oxygen did not exceed established limits at any time. There were two occurrences during the 2016 monitoring period where the temperature exceeded the monthly limit (8/2 – 81.1°F and 9/2 – 75.7°F). The first instance exceeded the limit by only 0.1°F and did not seem abnormally high compared to other temperature readings recorded that day. The second occurrence appears as a spike in temperature. This could be explained by several factors. This site can be quite flashy at times, varying greatly in flow rate and depth in short periods of time. It is possible that the unit became dislodged (since it could not be suspended vertically, as discussed earlier), or perhaps the flow was particularly low that day or there was some other form of interference, causing the sensor to be temporarily out of the water. Dissolved oxygen during 2016 was near or below the 5 mg/L minimum threshold over the course of several days between 8/7 and 8/12. This is believed to be due to heavy biofouling where, what was identified as, a brown diatom colony had grown over approximately one third of the sensors and is believed to have impacted the accuracy and/or ability of the unit to record data.

Any data gaps or discrepancies with the 2015 data presented in this report (Appendix D) has been discussed at length in the 2015 Water Quality Report submitted to the City of Norway by the Dickinson Conservation District. These issues were attributed to technical problems and unit/sensor failures encountered in 2015.

Appendix A: Relevant Conditions of the Michigan Department of Environmental Quality Certification Under Section 401 of the Clean Water Act

Condition 2.0 Sturgeon Falls Project -Water Quality Limitations stated in "Conditions 2.1 and 2.2" apply to this study and read as follows in the Project license document:

2.1 The City (of Norway) shall not warm the Menominee River downstream from the Sturgeon Falls Project, by operation of the project, to temperatures in degrees Fahrenheit higher than the following monthly average temperatures:

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
38	38	41	56	70	80	83	81	74	64	49	39

This section (2.1) shall not apply when the natural temperatures of the Menominee River measured upstream of the Sturgeon Falls Impoundment exceed the above monthly average temperature values.

2.2 The City shall not cause the dissolved oxygen (DO) concentration measured in the Menominee River downstream of the Sturgeon Falls Project, by operation of the Project, to be less than 5.0 milligrams per liter at any time.

Condition 3.0 Sturgeon Falls Project – Water Quality Monitoring and Reporting, sections 3.1, and 3.4 apply to this particular study, and are stated below:

3.1 The City shall monitor the temperature and DO of the Menominee River from May 1 through Sept 30, at representative locations upstream and downstream of the Sturgeon Falls Project, beginning five years after license issuance and every five years thereafter.

3.4 All sampling locations, sampling methods, and reporting formats shall be determined in consultation with the MDEQ. All analytical methods used shall be those approved by the US EPA pursuant to Title 40 of the Code of Federal Regulations, Part 136, or methods approved by the MDEQ. An annual report of the data generated to comply with sections 3.1 – 3.3 shall be submitted to the MDEQ and the MDNR within three months of completing sampling. The report shall include a summary of quality assurance data.

Appendix B. Monitoring Specifics

1. Product Specs HOBO U26-001
2. Product Specs YSI Ecosense ODO200
3. Aerial Location Map of Monitoring Sites



HOBO® Dissolved Oxygen Logger

Affordable, high performance dissolved oxygen monitoring

The HOBO U26 Dissolved Oxygen Logger measures concentrations of dissolved oxygen in lakes, streams, rivers, estuaries, and coastal waters. Used by aquatic biologists, hydrologists, and other research professionals to monitor water quality, the U26 is ideal for climate change and environmental impact studies as well as ecological and oceanographic research.

The HOBO U26 combines the high-accuracy, robust performance of industry-leading RDO® Basic (Rugged Dissolved Oxygen) sensor technology with an easy-to-maintain design, all at a fraction of the cost of other monitoring options.

Supported Measurements: Dissolved Oxygen, Temperature



Key Advantages:

- Affordable, high performance DO monitoring with 0.2 mg/L accuracy
- Optical DO sensor technology for long-lasting calibration, less maintenance
- Software corrects for measurement drift from fouling; provides salinity-adjusted DO concentration and percent saturation (Salinity adjustment requires salinity meter reading or data logger file. Percent saturation requires barometric pressure data file.)
- Optic USB interface for high-speed, reliable data offload
- Easy-to-replace DO sensor cap lasts six months

Minimum System Requirements:



Software



Base Station*



Coupler¹

*HOBO Base Station or HOBO Waterproof Shuttle required.

¹Coupler included with HOBO Base Station or HOBO Waterproof Shuttle.

► For complete information and accessories, please visit: www.onsetcomp.com

Part number	U26-001
	Dissolved Oxygen
Sensor Type	Optical
Measurement Range	0 to 30 mg/L
Calibrated Range	0 to 20 mg/L; 0 to 35°C (32 to 95°F)
Accuracy	± 0.2 mg/L up to 8 mg/L; ± 0.5 mg/L from 8 to 20 mg/L
Resolution	0.02 mg/L
Response time	To 90% in less than 2 minutes
DO Sensor Cap Life	6 months (cap expires 7 months after initialization)
	Temperature
Operating Temperature and Measurement Range	-5 to 40°C (23 to 104°F), non-freezing
Temperature Accuracy	0.2°C (0.36°F)
Temperature Resolution	± 0.02°C (± 0.04°F)
Response Time	To 90% in less than 30 minutes
	Logger
Memory	21,700 sets of DO and temperature measurements
Logging Rate	1 minute to 18 hours
Time Accuracy	± 1 minute per month at 25°C (77°F)
Battery	3.6 V lithium battery; factory replaceable, life: 3 years (at 1 minute logging)
Maximum Depth	100 m (328 ft)
Dimensions	39.6 mm diameter x 266.7 mm (1.56 in diameter x 10.5 in)
CE Compliant	Yes

Contact Us

Sales (8am to 5pm ET, Monday through Friday)

- Email sales@onsetcomp.com
- Call 1-508-759-9500
- In U.S. toll free 1-800-564-4377
- Fax 1-508-759-9100

Technical Support (8am to 8pm ET, Monday through Friday)

- Contact Product Support onsetcomp.com/support/contact
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

Onset Computer Corporation
470 MacArthur Boulevard
Bourne, MA 02532



a xylem brand



Parameters:
Dissolved Oxygen % and mg/L(optical)
Temperature

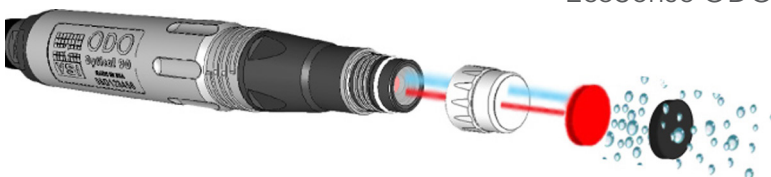
Optical benefits include:
no stirring required
no warm-up time
no electrolyte solutions
no electrode maintenance
no membranes
no interferences from gases such as hydrogen sulfide

EcoSense ODO200 Optical DO/Temperature
Accurate, economical, handheld dissolved oxygen measurements using optical technology

The EcoSense® line of compact, handheld instruments provides the most accurate data in the most affordable format. The instruments feature an optical dissolved oxygen sensor, easy-to-use interface, low maintenance requirements, accurate and repeatable measurements, and low cost of ownership over the life of the product. The ODO200 simultaneously measures dissolved oxygen and temperature with the following features:

- Optical sensors mean worry free accurate measurements, holds cal for several months, no stirring required, no electrodes to clean or membranes to change and no effect from gases such as H₂S
- Automatic temperature compensation; Manual input for salinity and pressure compensation
- Weighted, 1-, 4- and 10-meter durable field probes/cables; detachable
- Low battery indicator with 100 hour battery life
- Replaceable optical sensor cap with 1-year warranty (12-18 month life)
- Auto shutoff function after 30 minutes of inactivity
- 50 data set reviewable memory
- 1-year instrument, cable and sensor cap warranty

The ODO200 is designed for quick, accurate results in an economical platform. The ability to measure DO optically along with temperature, in a simple, compact handheld allows the instrument to be used across multiple application sampling strategies in the field. With a one-year instrument, probe and sensor cap warranty, IP67 waterproof case and ease-of-use, the EcoSense ODO200 will fit your needs.



ODO200 System Specifications (Instrument, Probe, and Cable)

Temperature	Range	0 to 50°C (32 to 122°F)
	Resolution	0.1°C
	Accuracy	±0.3°C
Dissolved Oxygen (% Air Saturation)	Range	0 to 200%
	Resolution	1 or 0.1%
	Accuracy	±1.5% of reading or ±1.5%; whichever is greater
Dissolved Oxygen (mg/L)	Range	0 to 20 mg/L
	Resolution	0.01 mg/L
	Accuracy	±1.5% of reading or ±0.15 mg/L; whichever is greater
Barometer (mBar)	Range	500 to 1125 mBar (manual input during calibration)
	Resolution	1 mBar
Salinity (ppt)	Range	0 to 40 ppt (manual input during calibration)

ODO200 Additional Specifications

Operating range

Temperature	0 to 50° C (32 to 122°F)
Relative Humidity	up to 95%

Certifications RoHS, WEEE, CE, IP67 waterproof

Size

Case	78 mm wide (widest point) x 184 mm long x 37 mm deep (3.1 in. x 7.25 in. x 1.45 in.)
Sensor	19.05 cm long; 2.41 cm diameter (7.5 in. long; 0.95 in. diameter)
Display	50.8 mm wide x 38.1 mm high (2 in. x 1.5 in.)

Weight with battery 272 grams (0.6 lb.)

Battery One 9 volt included with purchase; 100 hour battery life in manual mode; low battery indicator

Audio feedback Yes, all keys

Memory 50 data set reviewable memory

Auto shutoff Automatically powers off after 30 minutes of inactivity

Display Segmented (shows DO in mg/L or % along with temperature)

ODO200 Ordering Information (order items separately or as a kit)

ODO200	606329	EcoSense Optical DO and Temp (Instrument Only)
ODO200CC-01	606324	ODO200 instrument, 1-meter cable and probe, hard-sided carrying case kit
ODO200CC-04	606325	ODO200 instrument, 4-meter cable and probe, hard-sided carrying case kit
ODO200CC-10	606305	ODO200 instrument, 10-meter cable and probe, hard-sided carrying case kit
EcoODO-01	606327	1-meter dissolved oxygen and temp field probe and cable only
EcoODO-04	606328	4-meter dissolved oxygen and temp field probe and cable only
EcoODO-10	606304	10-meter dissolved oxygen and temp field probe and cable only
282	606330	Hard-sided, plastic carrying case with form fitted foam insert; 31.75 x 22.86 x 9.4 cm (12.5 x 9 x 3.7 in)
ODO200-CAP	606326	Replaceable DO Sensor Cap

YSI

1725 Brannum Lane, Yellow Springs, OH 45387
 Tel +1 937.767.7241 800.897.4151 (US)
 environmental@ysi.com
 YSI.com
 @YSIinc

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Sturgeon Falls DO /Temp Logger Locations

2015-2016 Study

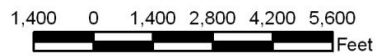
City of Norway
Dickinson Conservation District

Kingsford Field Office

Assisted by: Ann Hruska
Dickinson Co, MI
WQ Monitoring



Image:



Appendix C: Quality Assurance Data

1. YSI DO/Temp Lab and Field Calibration Log Sheets – Hwy 8
2. YSI DO/Temp Lab and Field Calibration Log Sheets – US-2
3. YSI DO/Temp Lab and Field Calibration Log Sheets – Power Dam

Field Notes for Data Logger Deployment

Date/Time: 7/15/16 10:30 Analyst: AH
Location: Original lab calibration DO sensor activated 1st time
Data Logger Name: Hwy 8
Data Logger Serial Number: 934

Calibration Information - DO Meter Model:

<u>Dissolved Oxygen</u>	<u>Before Calibration</u>	<u>After Calibration</u>	
% Saturation	<u>100</u>	<u></u>	
Mg/L D.O.	<u>8.27</u>	<u>9.09</u>	Mg/L Difference <u>1.099</u>
Temp - °F	<u></u>	<u></u>	

DO Handheld Meter Reading At Logger Location - DO Meter Model:

Barometric Pressure (mm Hg) 760 mm Hg

<u>Dissolved Oxygen</u>	<u>Before Data Transfer</u>	<u>After Data Transfer</u>
% Saturation	<u>100</u>	<u></u>
Mg/L D.O.	<u>8.27</u>	<u></u>
Temp - °F	<u></u>	<u></u>

Data Logger Battery Status: Good

Notes:

Hwy 8

Started logging data 7/17/16 @ 12:00:00 PM

Field Notes for Data Logger Deployment

Date/Time: 7/24/16 8:50 Analyst: AH

Location: Hwy 8 / Menominee River

Data Logger Name: Hwy 8

Data Logger Serial Number: 934

Calibration Information - DO Meter Model: YSI Ecosense 00200

<u>Dissolved Oxygen</u>	<u>Before Calibration</u>	<u>After Calibration</u>	<u>in saturated conditions</u>
% Saturation	<u>87.1</u>	<u>100</u>	
Mg/L D.O.	<u>7.69</u>	<u>8.76</u>	Mg/L Difference <u>1.07</u>
Temp - °F	<u>21.5°C</u>	<u>21.6</u>	
	<u>70.7°F</u>	<u>70.9°F</u>	

DO Handheld Meter Reading At Logger Location - DO Meter Model: YSI

Time

Barometric Pressure (mm Hg) 1009.3 mbar
759 mmHg

<u>Dissolved Oxygen</u>	<u>Before Data Transfer</u>	<u>After Data Transfer</u>
% Saturation		
Mg/L D.O.	<u>8.28</u>	<u>8.24</u>
Temp - °F	<u>77.5°F</u>	<u>25.1°C 77.2°F</u>

Data Logger Battery Status: Good

Notes:

Cleaned & redeployed 9:12 a.m.

Field Notes for Data Logger Deployment

Date/Time: 8/2/16 / 12:45 pm Analyst: AH

Location: Hwy 8 - Merom R.

Data Logger Name: Hwy 8

Data Logger Serial Number: 934

Calibration Information - DO Meter Model: YSI Ecosense ODO 200

<u>Dissolved Oxygen</u>	<u>Before Calibration</u>	<u>After Calibration</u>	
% Saturation	<u>100.5</u>	<u>100</u>	
Mg/L D.O.	<u>8.57</u>	<u>8.57</u>	Mg/L Difference <u>0</u>
Temp - °F	<u>23.3°C</u> <u>73.9°F</u>	<u>23.3°C</u> <u>73.9°F</u>	

11:30 a.m. - home

DO Handheld Meter Reading At Logger Location - DO Meter Model: YSI Ecosense ODO 200

Time

Barometric Pressure (mm Hg) 1018.8 mb

<u>Dissolved Oxygen</u>	<u>12:47</u>	
	<u>Before Data Transfer</u>	<u>After Data Transfer</u>
% Saturation	<u>107.1%</u>	<u>107.8%</u>
Mg/L D.O.	<u>8.82</u>	<u>8.87</u>
Temp - °F	<u>25.2°C</u> <u>77.4°F</u>	<u>25.4°C</u> <u>77.7°F</u>

Data Logger Battery Status: Good

Notes:

Took photo of biofouling
Cleaned + re-deployed ~ 1:05

Field Notes for Data Logger Deployment

Date/Time: 8/12/16 Analyst: AH

Location: Hwy 8 + Menominee R

Data Logger Name: Hwy 8

Data Logger Serial Number: 934

Calibration Information - DO Meter Model: YSI Ecosense ODO 200

<u>Dissolved Oxygen</u>	<u>Before Calibration</u>	<u>After Calibration</u>	
% Saturation		100.2	
Mg/L D.O.	<u>8.68</u>	<u>8.69</u>	Mg/L Difference <u>.01</u>
Temp - °F	<u>22.4°C</u>	<u>22.4</u>	
	72.3	72.3	

DO Handheld Meter Reading At Logger Location - DO Meter Model: YSI Ecosense ODO 200

Barometric Pressure (mm Hg) 1011.5 mb

<u>Dissolved Oxygen</u>	<u>7:25</u> <u>Before Data Transfer</u>	<u>7:38</u> <u>After Data Transfer</u>
% Saturation		
Mg/L D.O.	<u>8.20</u>	<u>8.23</u>
Temp - °F	<u>24.3°C</u>	<u>24.2°C</u>
	75.7	75.6

Data Logger Battery Status: Good

Notes:

Approx 1/4" rain previous day, water up to top of chest waders at location. Minimal brofiling, clean, rinse, redeploy ~ 7:38 a.m.

Field Notes for Data Logger Deployment

Date/Time: 8/19/16 1:35 pm Analyst: AH

Location: Hwy 8

Data Logger Name: _____

Data Logger Serial Number: _____

Calibration Information - DO Meter Model: YSI

<u>Dissolved Oxygen</u>	<u>Before Calibration</u>	<u>After Calibration</u>	
% Saturation			
Mg/L D.O.	<u>8.13</u>	<u>8.12</u>	Mg/L Difference <u>-0.01</u>
Temp - °F	<u>27.4°C</u>	<u>27.4°C</u>	

DO Handheld Meter Reading At Logger Location - DO Meter Model: _____

Barometric Pressure (mm Hg) 1009.3 mb

<u>Dissolved Oxygen</u>	<u>Before Data Transfer</u>	<u>After Data Transfer</u>
% Saturation		
Mg/L D.O.	<u>8.44</u>	<u>8.45</u>
Temp - °F	<u>24.9°C</u>	<u>24.6°C</u>
	<u>76.8</u>	<u>76.8</u>

Data Logger Battery Status: Good

Notes:

Field Notes for Data Logger Deployment

Date/Time: 8/26/16 2:25 pm Analyst: AH

Location: Hwy 8 + Menom River

Data Logger Name: Hwy 8

Data Logger Serial Number: _____

Calibration Information - DO Meter Model: _____

Dissolved Oxygen	Before Calibration	After Calibration	
% Saturation		101 cal val → 104.8% on screen	
Mg/L D.O.	<u>9.05</u>	<u>9.06</u>	Mg/L Difference <u>+1.01</u>
Temp - °F	<u>22.6°C</u>	<u>22.6°C</u>	

DO Handheld Meter Reading At Logger Location - DO Meter Model: VSE

Barometric Pressure (mm Hg) 1020.1 mb

Dissolved Oxygen	2:25 Before Data Transfer	2:40 After Data Transfer
% Saturation		
Mg/L D.O.	<u>9.06</u>	<u>9.02</u>
Temp - °F	<u>22.3°C</u>	<u>22.3°C</u>
	<u>72.1</u>	<u>72.1</u>

Data Logger Battery Status: Good

Notes:

Very little biofouling, read-out looked good.
72" rainfall in preceding week evident in readings
+ water depth

Field Notes for Data Logger Deployment

Date/Time: 9/2/16 / 9:25 a.m Analyst: AH

Location: Hwy 8 + Menominee River

Data Logger Name: Hwy 8 U26-001 onset HOBO

Data Logger Serial Number: _____

Calibration Information - DO Meter Model: YSI

Dissolved Oxygen	Before Calibration	After Calibration	
% Saturation			
Mg/L D.O.	<u>9.34</u>	<u>9.31</u>	Mg/L Difference <u>-0.03</u>
Temp - °F	<u>18.3</u>	<u>18.4</u>	

99.2 → 102

DO Handheld Meter Reading At Logger Location - DO Meter Model: YSI

Barometric Pressure (mm Hg) 1029 mb

Dissolved Oxygen	9:30 am Before Data Transfer	9:40 a.m. After Data Transfer
% Saturation		
Mg/L D.O.	<u>8.78</u>	<u>8.74</u>
Temp - °F	<u>20.7°C</u> <u>69.3</u>	<u>20.7</u> <u>69.3</u>

Data Logger Battery Status: Good

Notes:

Water very high. Minor biofilm - hardly any on
sensor. Cleaned + redeployed.

Field Notes for Data Logger Deployment

Date/Time: 9/9/16 / 8:40 a.m. Analyst: AIT

Location: Hwy 8 & Manson River

Data Logger Name: Oncet 426 Hobo

Data Logger Serial Number: 10937934

Calibration Information - DO Meter Model: _____

Dissolved Oxygen	Before Calibration	After Calibration	Mg/L Difference
% Saturation	<u>96.9%</u>	<u>100%</u>	<u>0</u>
Mg/L D.O.	<u>8.47</u>	<u>8.47</u>	
Temp - °F	<u>22.0°C</u>	<u>22.0°C</u>	

DO Handheld Meter Reading At Logger Location - DO Meter Model: YSI

Barometric Pressure (mm Hg) 1013.5

Dissolved Oxygen	Before Data Transfer	After Data Transfer
% Saturation		
Mg/L D.O.	<u>8.91</u>	<u>8.93</u>
Temp - °F	<u>68.7</u> <u>20.4°C</u>	<u>68.7</u> <u>20.4°C</u>
	<u>8:45</u>	<u>8:55</u>

Data Logger Battery Status: Good

Notes:
Water almost to top of waders @ shore. Almost no
biofilm. Wiped off sensor & exterior of logger. Redeployed
8:55 am

Field Notes for Data Logger Deployment

Date/Time: 9/18/16 4:15p Analyst: AH

Location: Hwy 8 / Menominee River

Data Logger Name: Onset Hobo U26

Data Logger Serial Number: 934

Calibration Information - DO Meter Model: VSI Ecosense ODO200

<u>Dissolved Oxygen</u>	<u>Before Calibration</u>	<u>After Calibration</u>	
% Saturation	<u>97%</u>	<u>100%</u>	
Mg/L D.O.	<u>8.81</u>	<u>8.79</u>	Mg/L Difference <u>-0.02</u>
Temp - °F	<u>20.0°C</u>	<u>20.0°C</u>	

DO Handheld Meter Reading At Logger Location - DO Meter Model: VSI

Barometric Pressure (mm Hg) 1013.3 mb

<u>Dissolved Oxygen</u>	<u>4:15</u> <u>Before Data Transfer</u>	<u>4:25</u> <u>After Data Transfer</u>
% Saturation		
Mg/L D.O.	<u>9.20</u>	<u>9.18</u>
Temp - °F	<u>20°C</u> <u>68.0</u>	<u>19.9</u> <u>67.8</u>

Data Logger Battery Status: Good

Notes:

Very high water 2" rain 2 days prior
Very little biofoul. Wiped, downloaded, deployed

Field Notes for Data Logger Deployment

Date/Time: 10/1/16 8:28 a.m. Analyst: Ann Husker

Location: Menom River + Hwy 8

Data Logger Name: Hwy 8 Onset Hobos U26

Data Logger Serial Number: -934

Calibration Information - DO Meter Model: YSI

<u>Dissolved Oxygen</u>	<u>Before Calibration</u>	<u>After Calibration</u>	
% Saturation	<u>98.4 %</u>	<u>101 %</u>	Mg/L Difference <u>∅</u>
Mg/L D.O.	<u>9.32</u>	<u>9.32</u>	
Temp - °F	<u>18.0 °C</u>	<u>18 °C</u>	

DO Handheld Meter Reading At Logger Location - DO Meter Model: YSI Ecosense ODO 200

Barometric Pressure (mm Hg) 1022.4 mb

<u>Dissolved Oxygen</u>	<u>Before Data Transfer</u>	<u>After Data Transfer</u>
% Saturation	<u>9.51</u>	<u> </u>
Mg/L D.O.	<u>15.9 °C</u>	<u> </u>
Temp - °F	<u>60.6</u>	<u> </u>

Data Logger Battery Status: Good

Notes:

Almost no biofilm. Pulled, readout, cleaned, collected
chain and prepped for storage

Field Notes for Data Logger Deployment

Date/Time: 7/15 11:20 Analyst: AH

Location: Original lab calibration

Data Logger Name: US 2

Data Logger Serial Number: 109 37935

Calibration Information - DO Meter Model: _____

Dissolved Oxygen	Before Calibration	After Calibration	
% Saturation	<u>100</u>	<u> </u>	
Mg/L D.O.	<u>7.95</u>	<u>8.93</u>	Mg/L Difference <u>1.123</u> <u>Gauss Adj.</u>
Temp - °F	<u> </u>	<u> </u>	

DO Handheld Meter Reading At Logger Location - DO Meter Model: _____

Barometric Pressure (mm Hg) 760

Dissolved Oxygen	Before Data Transfer	After Data Transfer
% Saturation	<u> </u>	<u> </u>
Mg/L D.O.	<u> </u>	<u> </u>
Temp - °F	<u> </u>	<u> </u>

Data Logger Battery Status: Good

Notes: Let unit set for > 20 min in calib boot

US-2

Started logging data 7/17/16 @ 12:00:00 PM

Field Notes for Data Logger Deployment

Date/Time: 7/24/16 / 9:40 am Analyst: AJT

Location: US2 / Sturgeon River

Data Logger Name: US2

Data Logger Serial Number: 935

Calibration Information - DO Meter Model: YSI Ecosense 000200

Dissolved Oxygen	Before Calibration	After Calibration	
% Saturation	<u>87.1</u>	<u>100</u>	
Mg/L D.O.	<u>7.69</u>	<u>8.76</u>	Mg/L Difference <u>1.07</u>
Temp - °F	<u>21.5</u>	<u>21.6</u>	
	<u>70.7°F</u>	<u>70.9°F</u>	

DO Handheld Meter Reading At Logger Location - DO Meter Model: YSI

Barometric Pressure (mm Hg) 759 mm Hg
Time

Dissolved Oxygen	9:43	10:04
	Before Data Transfer	After Data Transfer
% Saturation	<u>8.05</u>	<u>8.12</u>
Mg/L D.O.	<u>24.2°C</u>	<u>24.2°C</u>
Temp - °F	<u>75.6°F</u>	<u>75.6°F</u>

Data Logger Battery Status: Good

Notes: Cleaned + redeployed 10:03, minor biofoul

Field Notes for Data Logger Deployment

Date/Time: 8/2/16 / 1:35 Analyst: AT

Location: US2 / Sturgeon R.

Data Logger Name: US 2

Data Logger Serial Number: 935

Calibration Information - DO Meter Model: YSI Ecosense 000 200

Dissolved Oxygen	Before Calibration	After Calibration	Mg/L Difference
% Saturation	<u>100.5</u>	<u>100</u>	<u>0</u>
Mg/L D.O.	<u>8.57</u>	<u>8.57</u>	
Temp - °F	<u>23.3°C</u> <u>73.9°F</u>	<u>23.3°C</u> <u>73.9°F</u>	

11:30 a.m. - home

DO Handheld Meter Reading At Logger Location - DO Meter Model: YSI Ecosense 000 200

Barometric Pressure (mm Hg) 1018.8 mb

Dissolved Oxygen	1:37 Before Data Transfer	1:55 After Data Transfer
% Saturation	<u>125.2%</u>	<u>125.2%</u>
Mg/L D.O.	<u>10.82</u>	<u>10.30</u>
Temp - °F	<u>25.0°C</u> <u>77.0°F</u>	<u>25.0</u> <u>77.0°F</u>

Data Logger Battery Status: Good

Notes:

Sensor more fouled than case
wiped & rinsed
Air temp 80°F

Field Notes for Data Logger Deployment

Date/Time: 8/12/16 Analyst: AH

Location: US 2 - Sturgeon R

Data Logger Name: US 2

Data Logger Serial Number: 935

Calibration Information - DO Meter Model: YSI Ecosense ODO 200

Dissolved Oxygen	Before Calibration	After Calibration	Mg/L Difference
% Saturation			
Mg/L D.O.	<u>8.68</u>	<u>8.69</u>	<u>.01</u>
Temp - °C	<u>22.4°C</u>	<u>22.4°C</u>	
	72.3	72.3	

DO Handheld Meter Reading At Logger Location - DO Meter Model: YSI Ecosense ODO 200

Barometric Pressure (mm Hg) 1011.5 mb

Dissolved Oxygen	Before Data Transfer	After Data Transfer
% Saturation	8.02	8.20
Mg/L D.O.	<u>7.83 mg/l</u>	<u>7.98</u>
Temp - °C	<u>22.3°C</u>	<u>22.3°C</u>
	72.1	72.1

Data Logger Battery Status: Good

Data Error(s)

Notes:

Sensor failure
Brown "algae-like" growth in circular patches covered exterior of logger and about 1/2 sensor end.
DO readings - sensor error^{88%} midway thru deployment, then steady decline in DO readings. Saved file. Cleaned and redeployed.

Recheck: 8/16/16 5:00 pm
 YSI Before 9.32 After 9.14
 mg/l 24.0°C 23.9°C
 75.2°F 75.0
 5 pm 5:16

Field calib. done
 → appears to be working again. Did not calib. DO meter at this time.

Field Notes for Data Logger Deployment

Date/Time: 8/19/16 2:15 pm Analyst: AH

Location: US2

Data Logger Name: _____

Data Logger Serial Number: _____

Calibration Information - DO Meter Model: _____

<u>Dissolved Oxygen</u>	<u>Before Calibration</u>	<u>After Calibration</u>	
% Saturation	_____	_____	
Mg/L D.O.	<u>8.13</u>	<u>8.12</u>	Mg/L Difference <u>-0.01</u>
Temp - °F	<u>27.4 °C</u>	<u>27.4 °C</u>	

DO Handheld Meter Reading At Logger Location - DO Meter Model: YSI

Barometric Pressure (mm Hg) 1009.3 mb

<u>Dissolved Oxygen</u>	<u>2:15</u> <u>Before Data Transfer</u>	<u>2:32</u> <u>After Data Transfer</u>
% Saturation	_____	_____
Mg/L D.O.	<u>9.05</u>	<u>9.17</u>
Temp - °F	<u>24.1 °C</u>	<u>24.1 °C</u>
	<u>75.4</u>	<u>75.4</u>

Data Logger Battery Status: Good

Notes:

Sensor failed on 8/17 → 11:10 a.m., +888.88
Rest of data looked OK
Cleaned + re-deployed ~2:30

Data Error(s)

Field Notes for Data Logger Deployment

Date/Time: 8/26/16 3:00 pm Analyst: AT

Location: US2 + Sturgeon River

Data Logger Name: US2

Data Logger Serial Number: _____

Calibration Information - DO Meter Model: YSI Frosense 200 ODO

<u>Dissolved Oxygen</u>	<u>Before Calibration</u>	<u>After Calibration</u>	
% Saturation	_____	_____	
Mg/L D.O.	<u>9.05</u>	<u>9.06</u>	Mg/L Difference <u>+ .01</u>
Temp - °F	<u>22.6°C</u>	<u>22.6°C</u>	

DO Handheld Meter Reading At Logger Location - DO Meter Model: YSI

Barometric Pressure (mm Hg) 1020.1 mb

<u>Dissolved Oxygen</u>	<u>Before Data Transfer</u>	<u>After Data Transfer</u>	
% Saturation	_____	_____	
Mg/L D.O.	<u>9.62</u>	<u>9.58</u>	
Temp - °F	<u>21.4°C</u> 70.5	<u>21.3°C</u> 70.3	
	<u>2:58</u>	<u>3:12</u>	

Data Logger Battery Status: Good

Data Error(s)

Notes:

Very little biofoul. -888.88 reading on 8/23 → resumed
readings look reasonable but a bit higher than field
calib indicates they would be.

Contacted Onset for tech support on this off reading. Sent data
files. They can't figure it out. Full to go.

Field Notes for Data Logger Deployment

Date/Time: 9/2/16 / 10:00 a.m. Analyst: AIT

Location: US 2 - Sturgeon

Data Logger Name: US 2 Onset V26

Data Logger Serial Number: 935

Calibration Information - DO Meter Model: _____

<u>Dissolved Oxygen</u>	<u>Before Calibration</u>	<u>After Calibration</u>	
% Saturation	_____	_____	Mg/L Difference _____
Mg/L D.O.	_____	_____	
Temp - °F	_____	_____	

DO Handheld Meter Reading At Logger Location - DO Meter Model: _____

Barometric Pressure (mm Hg) 1029 mb

<u>Dissolved Oxygen</u>	<u>10:03</u>	<u>10:22</u>
	<u>Before Data Transfer</u>	<u>After Data Transfer</u>
% Saturation	_____	_____
Mg/L D.O.	<u>9.66</u>	<u>9.74</u>
Temp - °F	<u>18.0 °C</u>	<u>18.3 °C</u>
	<u>64.4</u>	<u>64.4</u>

Data Logger Battery Status: Good

Notes:

Minor brofoul. Sensor error again. Other data looks
reasonable. Sent data file to onset → they don't know
what's wrong as both temp - DO read -888.88. Will
consult w/ engineers

Data Error(s)

Field Notes for Data Logger Deployment

Date/Time: 9/9/16 9:15 a.m. Analyst: AH

Location: US2 - Sturgeon

Data Logger Name: U26 Onset Hobo

Data Logger Serial Number: 10937935

Calibration Information - DO Meter Model: YSI Ecosense 200

Dissolved Oxygen	Before Calibration	After Calibration	Mg/L Difference
% Saturation	<u>96.9%</u>	<u>100%</u>	<u>0</u>
Mg/L D.O.	<u>8.47</u>	<u>8.47</u>	
Temp - °F	<u>22.0°C</u>	<u>22.0°C</u>	

DO Handheld Meter Reading At Logger Location - DO Meter Model: YSI

Barometric Pressure (mm Hg) 1013.5

Dissolved Oxygen	Before Data Transfer	After Data Transfer
% Saturation	<u>67.5</u>	<u>67.5</u>
Mg/L D.O.	<u>8.68</u>	<u>8.72</u>
Temp - °F	<u>19.7°C</u>	<u>19.7°C</u>
	<u>9:17</u>	<u>9:34</u>

Data Logger Battery Status: Good

Notes:

No -888.88 error reading this time. Very strong
currents. Small amt of algae on sensor cleaned +
re-deployed.

Field Notes for Data Logger Deployment

Date/Time: 9/18/16 4:43 pm Analyst: AH
 Location: US2 / Sturgeon R
 Data Logger Name: Onset Hobo U26
 Data Logger Serial Number: - 935

Calibration Information - DO Meter Model: YSI EcoSense 0A0200

<u>Dissolved Oxygen</u>	<u>Before Calibration</u>	<u>After Calibration</u>	
% Saturation	_____	_____	Mg/L Difference _____
Mg/L D.O.	_____	_____	
Temp - °F	_____	_____	

DO Handheld Meter Reading At Logger Location - DO Meter Model: YSI

Barometric Pressure (mm Hg) 1013.3 mb

<u>Dissolved Oxygen</u>	<u>4:45</u> <u>Before Data Transfer</u>	<u>5:00</u> <u>After Data Transfer</u>
% Saturation	_____	_____
Mg/L D.O.	<u>9.37</u>	<u>9.37</u>
Temp - °F	<u>18.0 °C</u> <u>64.4</u>	<u>17.9 °C</u> <u>64.2</u>

Data Logger Battery Status: Good

Data Error(s)

Notes:

Currents very strong - water knee deep and no visibility
Moved logger closer to shore because footing difficult - sight Ø
No biofilm
Error message - 888.88 twice in last 9 days. Both DO - temp
sensor error.

Field Notes for Data Logger Deployment

Date/Time: 10/1/16 9:00 a.m. Analyst: AH

Location: Sturgeon R. + US2

Data Logger Name: US2 Hobo U26

Data Logger Serial Number: -935

Calibration Information - DO Meter Model: YSI

<u>Dissolved Oxygen</u>	<u>Before Calibration</u>	<u>After Calibration</u>	
% Saturation	_____	_____	Mg/L Difference _____
Mg/L D.O.	_____	_____	
Temp - °F	_____	_____	

DO Handheld Meter Reading At Logger Location - DO Meter Model: YSI

Barometric Pressure (mm Hg) 1022.4 mb

<u>Dissolved Oxygen</u>	<u>Before Data Transfer</u>	<u>After Data Transfer</u>
% Saturation	_____	_____
Mg/L D.O.	<u>9.84</u>	_____
Temp - °F	<u>14.8°</u>	_____
	<u>58.6</u>	_____

Data Logger Battery Status: Good

Notes:

Pulled, stopped, read out, cleaned, prep for storage or
factory repair? Will consult on-site. So far they couldn't
figure out nature of error. No error this period
Collected chain

Field Notes for Data Logger Deployment

Date/Time: 7/15/16 / 11:25 Analyst: AH

Location: Orig Lab

Data Logger Name: Hydro Dam

Data Logger Serial Number: 208

Calibration Information - DO Meter Model: _____

<u>Dissolved Oxygen</u>	<u>Before Calibration</u>	<u>After Calibration</u>	
% Saturation	<u>100%</u>	<u>98.76</u>	Mg/L Difference <u>1.124</u>
Mg/L D.O.	<u>8.00</u>	<u>7.876</u>	
Temp - °F	_____	_____	

DO Handheld Meter Reading At Logger Location - DO Meter Model: _____

Barometric Pressure (mm Hg) _____

<u>Dissolved Oxygen</u>	<u>Before Data Transfer</u>	<u>After Data Transfer</u>
% Saturation	_____	_____
Mg/L D.O.	_____	_____
Temp - °F	_____	_____

Data Logger Battery Status: _____

Notes:

let unit sit for >20min in saturated calib boot

Hydro Dam

Started logging data 7/17/16 @ 12:00:00 PM

Field Notes for Data Logger Deployment

Date/Time: 7/24/16 / 10:24 a.m Analyst: AH

Location: Power Dam Sturgeon

Data Logger Name: Power Dam

Data Logger Serial Number: 208

Calibration Information - DO Meter Model: YSI EcoSense 000200

Dissolved Oxygen	Before Calibration	After Calibration	
% Saturation	<u>87.1</u>	<u>100</u>	
Mg/L D.O.	<u>7.67</u>	<u>8.76</u>	Mg/L Difference <u>1.07</u>
Temp - °F	<u>21.5</u>	<u>21.6</u>	
	<u>70.7°F</u>	<u>70.9°F</u>	

DO Handheld Meter Reading At Logger Location - DO Meter Model: YSI 000200

Barometric Pressure (mm Hg) 759 mm Hg

Dissolved Oxygen	10:26 Before Data Transfer	10:42 After Data Transfer
% Saturation	<u>7.82</u>	<u>7.82</u>
Mg/L D.O.	<u>7.82</u>	<u>7.82</u>
Temp - °C	<u>25.6°C</u>	<u>25.6°C</u>
	<u>78.1°F</u>	<u>78.1°F</u>

Data Logger Battery Status: Good

Notes:

Cleaned; minor biofouling redeployed 10:40

Field Notes for Data Logger Deployment

Date/Time: 8/2/16 / 2:20 pm Analyst: AT

Location: D/S Power Dam - Sturgeon R.

Data Logger Name: Power Dam

Data Logger Serial Number: 208

Calibration Information - DO Meter Model: YSI Ecosense ODO200

<u>Dissolved Oxygen</u>	<u>Before Calibration</u>	<u>After Calibration</u>	
% Saturation	<u>100.5</u>	<u>100</u>	Mg/L Difference <u>0</u>
Mg/L D.O.	<u>8.57</u>	<u>8.57</u>	
Temp - °F	<u>23.3</u>	<u>23.3</u>	
	<u>73.9°F</u>	<u>73.9°F</u>	

DO Handheld Meter Reading At Logger Location - DO Meter Model: YSI Ecosense ODO200

Barometric Pressure (mm Hg) 1018.8 mb

<u>Dissolved Oxygen</u>	<u>2:22</u>	<u>2:37</u>
	<u>Before Data Transfer</u>	<u>After Data Transfer</u>
% Saturation	<u>8.18</u>	<u>8.13</u>
Mg/L D.O.	<u>8.18</u>	<u>8.13</u>
Temp - °F	<u>25.3°C</u>	<u>25.2°C</u>
	<u>77.5°F</u>	<u>77.4°F</u>

Data Logger Battery Status: Good

Notes:

lots of aquatic insect larva on case. Minimal biofilm
on sensor, cleaned - redeployed 2:35

Field Notes for Data Logger Deployment

Date/Time: 8/12/16 8:40 a.m. Analyst: AT

Location: Power Dam / Shingon R. below

Data Logger Name: Power Dam

Data Logger Serial Number: _____

Calibration Information - DO Meter Model: YSI EcoSense ODO 200

Dissolved Oxygen	Before Calibration	After Calibration	Mg/L Difference
% Saturation	_____	_____	_____
Mg/L D.O.	<u>8.68</u>	<u>8.69</u>	<u>.01</u>
Temp - °C	<u>22.4</u>	<u>22.4</u>	_____
	<u>72.3</u>	<u>72.3</u>	_____

DO Handheld Meter Reading At Logger Location - DO Meter Model: YSI

Barometric Pressure (mm Hg) 1011.5 mb

Dissolved Oxygen	Before Data Transfer	After Data Transfer
% Saturation	_____	_____
Mg/L D.O.	<u>7.66</u>	<u>7.67</u>
Temp - °C	<u>24.9</u>	<u>24.9</u>
	<u>76.8</u>	<u>76.8</u>

Data Logger Battery Status: Good

Notes:

Minor biofoul - algae - on sensor, easily removed.
Redeployed 9:00

Field Notes for Data Logger Deployment

Date/Time: 8/19/16 2:45 pm Analyst: AH

Location: Power Dam

Data Logger Name: _____

Data Logger Serial Number: _____

Calibration Information - DO Meter Model: YSI

Dissolved Oxygen	Before Calibration	After Calibration	Mg/L Difference
% Saturation	_____	_____	
Mg/L D.O.	<u>8.13</u>	<u>8.12</u>	<u>-0.01</u>
Temp - °F	<u>27.4</u>	<u>27.4°C</u>	

DO Handheld Meter Reading At Logger Location - DO Meter Model: YSI

Barometric Pressure (mm Hg) 1009.3

Dissolved Oxygen	Before Data Transfer	After Data Transfer
% Saturation	_____	_____
Mg/L D.O.	<u>7.99</u>	<u>7.99</u>
Temp - °F	<u>24.8°C</u>	<u>24.7°C</u> 76.8
	<u>2:47 76.6</u>	<u>3:00</u>

Data Logger Battery Status: Good

Notes:

Field Notes for Data Logger Deployment

Date/Time: 8/26/16 3:35 pm Analyst: AH

Location: below Norway Power Dam

Data Logger Name: Power Dam

Data Logger Serial Number: _____

Calibration Information - DO Meter Model: YSI Essence 000 200

<u>Dissolved Oxygen</u>	<u>Before Calibration</u>	<u>After Calibration</u>	
% Saturation	_____	_____	
Mg/L D.O.	<u>9.05</u>	<u>9.06</u>	Mg/L Difference <u>+0.01</u>
Temp - °F	<u>22.6 °C</u>	<u>22.6 °C</u>	

DO Handheld Meter Reading At Logger Location - DO Meter Model: YSI

Barometric Pressure (mm Hg) 1020.1 mb

<u>Dissolved Oxygen</u>	<u>Before Data Transfer</u>	<u>After Data Transfer</u>
% Saturation	_____	_____
Mg/L D.O.	<u>8.33</u>	<u>8.32</u>
Temp - °F	<u>22.2 °C</u>	<u>22.2 °C</u>
	<u>72.0</u>	<u>72.0</u>

Data Logger Battery Status: Good

Notes:

Almost no biofoul. Readout looked OK. Log that
the data logger was attached to sank in ↑ H₂O
of this week's rain. Logger may have gotten pushed
closer to bottom - 8/23

Field Notes for Data Logger Deployment

Date/Time: 9/2/16 / 10:45 Analyst: AH

Location: Below Power Dam

Data Logger Name: Onset

Data Logger Serial Number: _____

Calibration Information - DO Meter Model: _____

Dissolved Oxygen	Before Calibration	After Calibration	Mg/L Difference
% Saturation	_____	_____	_____
Mg/L D.O.	_____	_____	_____
Temp - °F	_____	_____	_____

DO Handheld Meter Reading At Logger Location - DO Meter Model: _____

Barometric Pressure (mm Hg) 1029 mb

Dissolved Oxygen	Before Data Transfer	After Data Transfer
% Saturation	_____	_____
Mg/L D.O.	<u>8.28</u>	<u>8.34</u>
Temp - °F	<u>21.3°C</u>	<u>21.1</u>
	<u>70.3</u>	<u>70.0</u>

Data Logger Battery Status: Good

Notes:

Minor biofilm, first ZM evidence. Have been soaking
DO meter sensor/housing in hydrogen peroxide after
this site.

Field Notes for Data Logger Deployment

Date/Time: 9/9/16 9:55 a.m. Analyst: AH

Location: Below Norway Power Dam

Data Logger Name: U26 Onset Hobo

Data Logger Serial Number: 10947208

Calibration Information - DO Meter Model: _____

Dissolved Oxygen	Before Calibration	After Calibration	Mg/L Difference
% Saturation	<u>96.9%</u>	<u>100%</u>	<u>0</u>
Mg/L D.O.	<u>8.47</u>	<u>8.47</u>	
Temp - °F	<u>22°C</u>	<u>22°C</u>	

DO Handheld Meter Reading At Logger Location - DO Meter Model: YSI ecosense 200

Barometric Pressure (mm Hg) 1013.5

Dissolved Oxygen	Before Data Transfer	After Data Transfer
% Saturation	<u>8.55</u>	<u>8.53</u>
Mg/L D.O.	<u>20.7</u>	<u>20.6</u>
Temp - °F	<u>69.3</u>	<u>69.3</u>
	<u>9:55</u>	<u>10:10</u>

Data Logger Battery Status: Good

Notes:

Very high water - next to chest waders @ deployment location. Had to dislodge carrier log to retrieve logger. Moved log closer to shore. Very little biofoul - a little around sensor.

Field Notes for Data Logger Deployment

Date/Time: 9/18/16 5:17 pm Analyst: AH

Location: Power Dam / Sturgeon R.

Data Logger Name: Onset Hobo U26

Data Logger Serial Number: - 208

Calibration Information - DO Meter Model: YSI

Dissolved Oxygen	Before Calibration	After Calibration	Mg/L Difference
% Saturation	_____	_____	_____
Mg/L D.O.	_____	_____	_____
Temp - °F	_____	_____	_____

DO Handheld Meter Reading At Logger Location - DO Meter Model: YSI Ecosense DDO 200

Barometric Pressure (mm Hg) 1013.3 mb

Dissolved Oxygen	5:18 Before Data Transfer	5:33 After Data Transfer
% Saturation	_____	_____
Mg/L D.O.	<u>8.96</u>	<u>8.92</u>
Temp - °F	<u>19.1°C</u> <u>66.4</u>	<u>19.3°C</u> <u>66.7</u>

Data Logger Battery Status: Good

Notes:

High water moderate biofouling
cleaned + depolymerized

Field Notes for Data Logger Deployment

Date/Time: 10/1/14 9:30 Analyst: AH

Location: Power Dam + Meron R

Data Logger Name: Power Dam - Onset Hobo U26

Data Logger Serial Number: -208

Calibration Information - DO Meter Model: YSI

Dissolved Oxygen	Before Calibration	After Calibration	
% Saturation	_____	_____	see prev Mg/L Difference _____
Mg/L D.O.	_____	_____	
Temp - °F	_____	_____	

DO Handheld Meter Reading At Logger Location - DO Meter Model: YSI Ecosec 0 DO 200

Barometric Pressure (mm Hg) 1022.4 mb

Dissolved Oxygen	Before Data Transfer	After Data Transfer
% Saturation	_____	_____
Mg/L D.O.	<u>9.30</u>	_____
Temp - °F	<u>10.5°C</u> <u>61.7</u>	_____

Data Logger Battery Status: Good

Notes:

Logger ended up pretty close to bottom due to anchor
log sinking. Moderate brofoul. Pulled, cleaned, redout,
Prepped for storage. Collected cham.

Appendix D: Raw & Adjusted Data

1. Temperature and Dissolved Oxygen Raw Data (2016): Hwy 8, US 2, Power Dam
2. Graphed hourly Temperature and Dissolved Oxygen readings: Hwy 8, US 2, Power Dam (2015)
3. Graphed hourly Temperature and Dissolved Oxygen readings: Hwy 8, US 2, Power Dam (2016)
4. Daily Minimum, Maximum, and Average – Dissolved Oxygen/Temperature: Hwy 8, US 2, Power Dam (2015, 2016)

Hwy_8_Merged

Date Time	DO conc (mg/L)	DO Adj Conc (mg/L)	Temp (°F)
07/17/16 12:00:00.0	8.47	8.47	72.57
07/17/16 13:00:00.0	8.53	8.53	72.61
07/17/16 14:00:00.0	8.59	8.59	72.64
07/17/16 15:00:00.0	8.66	8.67	72.61
07/17/16 16:00:00.0	8.77	8.78	73.00
07/17/16 17:00:00.0	8.80	8.81	73.29
07/17/16 18:00:00.0	8.78	8.79	73.36
07/17/16 19:00:00.0	8.81	8.82	73.54
07/17/16 20:00:00.0	8.76	8.78	73.47
07/17/16 21:00:00.0	8.65	8.67	73.26
07/17/16 22:00:00.0	8.57	8.59	73.00
07/17/16 23:00:00.0	8.47	8.49	72.86
07/18/16 00:00:00.0	8.37	8.39	72.68
07/18/16 01:00:00.0	8.33	8.35	72.50
07/18/16 02:00:00.0	8.37	8.40	72.36
07/18/16 03:00:00.0	8.34	8.37	72.28
07/18/16 04:00:00.0	8.35	8.38	72.21
07/18/16 05:00:00.0	8.34	8.37	72.10
07/18/16 06:00:00.0	8.34	8.37	72.00
07/18/16 07:00:00.0	8.33	8.37	71.92
07/18/16 08:00:00.0	8.38	8.42	71.89
07/18/16 09:00:00.0	8.47	8.51	71.92
07/18/16 10:00:00.0	8.54	8.58	72.25
07/18/16 11:00:00.0	8.64	8.68	72.72
07/18/16 12:00:00.0	8.74	8.79	73.08
07/18/16 13:00:00.0	8.85	8.90	73.47
07/18/16 14:00:00.0	8.89	8.94	73.90
07/18/16 15:00:00.0	8.90	8.95	74.19
07/18/16 16:00:00.0	8.92	8.98	74.59
07/18/16 17:00:00.0	8.93	8.99	74.80
07/18/16 18:00:00.0	8.91	8.97	74.91
07/18/16 19:00:00.0	8.85	8.91	74.88
07/18/16 20:00:00.0	8.76	8.82	74.66
07/18/16 21:00:00.0	8.64	8.70	74.41
07/18/16 22:00:00.0	8.57	8.63	74.12
07/18/16 23:00:00.0	8.48	8.55	73.87
07/19/16 00:00:00.0	8.44	8.51	73.65
07/19/16 01:00:00.0	8.36	8.43	73.51
07/19/16 02:00:00.0	8.38	8.45	73.33
07/19/16 03:00:00.0	8.37	8.44	73.22
07/19/16 04:00:00.0	8.38	8.45	73.08
07/19/16 05:00:00.0	8.43	8.51	72.93
07/19/16 06:00:00.0	8.44	8.52	72.75
07/19/16 07:00:00.0	8.45	8.53	72.68
07/19/16 08:00:00.0	8.47	8.55	72.54
07/19/16 09:00:00.0	8.48	8.56	72.57
07/19/16 10:00:00.0	8.56	8.65	72.79
07/19/16 11:00:00.0	8.63	8.72	73.04
07/19/16 12:00:00.0	8.82	8.91	73.40
07/19/16 13:00:00.0	8.95	9.05	73.87

Hwy_8_Merged

07/19/16 14:00:00.0	9.00	9.10	74.34
07/19/16 15:00:00.0	9.02	9.12	74.66
07/19/16 16:00:00.0	9.04	9.14	74.95
07/19/16 17:00:00.0	9.07	9.18	75.16
07/19/16 18:00:00.0	9.01	9.12	75.38
07/19/16 19:00:00.0	8.96	9.07	75.42
07/19/16 20:00:00.0	8.88	8.99	75.20
07/19/16 21:00:00.0	8.77	8.88	74.91
07/19/16 22:00:00.0	8.68	8.79	74.66
07/19/16 23:00:00.0	8.57	8.68	74.41
07/20/16 00:00:00.0	8.48	8.59	74.16
07/20/16 01:00:00.0	8.43	8.54	73.94
07/20/16 02:00:00.0	8.40	8.52	73.87
07/20/16 03:00:00.0	8.35	8.47	73.80
07/20/16 04:00:00.0	8.35	8.47	73.76
07/20/16 05:00:00.0	8.35	8.47	73.72
07/20/16 06:00:00.0	8.34	8.46	73.69
07/20/16 07:00:00.0	8.38	8.50	73.65
07/20/16 08:00:00.0	8.38	8.51	73.65
07/20/16 09:00:00.0	8.42	8.55	73.76
07/20/16 10:00:00.0	8.43	8.56	73.98
07/20/16 11:00:00.0	8.53	8.66	74.23
07/20/16 12:00:00.0	8.74	8.88	74.59
07/20/16 13:00:00.0	8.86	9.00	75.06
07/20/16 14:00:00.0	8.91	9.06	75.52
07/20/16 15:00:00.0	8.97	9.12	75.96
07/20/16 16:00:00.0	8.92	9.07	76.39
07/20/16 17:00:00.0	8.92	9.07	76.75
07/20/16 18:00:00.0	8.88	9.03	77.04
07/20/16 19:00:00.0	8.84	8.99	77.22
07/20/16 20:00:00.0	8.71	8.86	77.18
07/20/16 21:00:00.0	8.58	8.73	76.93
07/20/16 22:00:00.0	8.48	8.63	76.64
07/20/16 23:00:00.0	8.37	8.52	76.39
07/21/16 00:00:00.0	8.27	8.42	76.17
07/21/16 01:00:00.0	8.18	8.33	76.03
07/21/16 02:00:00.0	8.13	8.28	75.96
07/21/16 03:00:00.0	8.09	8.25	75.96
07/21/16 04:00:00.0	8.08	8.24	75.99
07/21/16 05:00:00.0	8.08	8.24	76.03
07/21/16 06:00:00.0	8.06	8.22	76.06
07/21/16 07:00:00.0	8.06	8.22	76.10
07/21/16 08:00:00.0	8.07	8.23	76.03
07/21/16 09:00:00.0	8.08	8.25	76.03
07/21/16 10:00:00.0	8.10	8.27	76.10
07/21/16 11:00:00.0	8.12	8.29	76.10
07/21/16 12:00:00.0	8.23	8.40	76.10
07/21/16 13:00:00.0	8.36	8.54	76.28
07/21/16 14:00:00.0	8.52	8.70	76.50
07/21/16 15:00:00.0	8.65	8.84	76.89
07/21/16 16:00:00.0	8.76	8.95	77.43

Hwy_8_Merged

07/21/16 17:00:00.0	8.76	8.96	77.83
07/21/16 18:00:00.0	8.70	8.90	78.01
07/21/16 19:00:00.0	8.67	8.87	77.86
07/21/16 20:00:00.0	8.57	8.77	77.65
07/21/16 21:00:00.0	8.43	8.63	77.36
07/21/16 22:00:00.0	8.35	8.55	77.11
07/21/16 23:00:00.0	8.25	8.45	76.89
07/22/16 00:00:00.0	8.15	8.34	76.71
07/22/16 01:00:00.0	8.08	8.27	76.57
07/22/16 02:00:00.0	8.03	8.23	76.39
07/22/16 03:00:00.0	8.00	8.20	76.24
07/22/16 04:00:00.0	8.01	8.21	76.10
07/22/16 05:00:00.0	8.07	8.27	75.99
07/22/16 06:00:00.0	8.10	8.30	75.96
07/22/16 07:00:00.0	8.12	8.33	75.92
07/22/16 08:00:00.0	8.10	8.31	75.96
07/22/16 09:00:00.0	8.12	8.33	76.10
07/22/16 10:00:00.0	8.19	8.40	76.35
07/22/16 11:00:00.0	8.29	8.51	76.60
07/22/16 12:00:00.0	8.43	8.65	76.86
07/22/16 13:00:00.0	8.57	8.80	77.25
07/22/16 14:00:00.0	8.68	8.91	77.65
07/22/16 15:00:00.0	8.75	8.99	78.04
07/22/16 16:00:00.0	8.77	9.01	78.48
07/22/16 17:00:00.0	8.75	8.99	78.87
07/22/16 18:00:00.0	8.64	8.88	79.12
07/22/16 19:00:00.0	8.66	8.90	79.16
07/22/16 20:00:00.0	8.62	8.86	78.87
07/22/16 21:00:00.0	8.51	8.75	78.51
07/22/16 22:00:00.0	8.41	8.65	78.15
07/22/16 23:00:00.0	8.29	8.53	77.86
07/23/16 00:00:00.0	8.18	8.42	77.58
07/23/16 01:00:00.0	8.08	8.32	77.22
07/23/16 02:00:00.0	8.02	8.26	77.00
07/23/16 03:00:00.0	7.99	8.23	76.82
07/23/16 04:00:00.0	8.01	8.25	76.64
07/23/16 05:00:00.0	8.02	8.26	76.50
07/23/16 06:00:00.0	8.03	8.28	76.39
07/23/16 07:00:00.0	8.08	8.33	76.39
07/23/16 08:00:00.0	8.09	8.34	76.42
07/23/16 09:00:00.0	8.10	8.35	76.53
07/23/16 10:00:00.0	8.13	8.39	76.93
07/23/16 11:00:00.0	8.25	8.51	77.25
07/23/16 12:00:00.0	8.40	8.67	77.83
07/23/16 13:00:00.0	8.58	8.86	78.33
07/23/16 14:00:00.0	8.71	8.99	78.76
07/23/16 15:00:00.0	8.76	9.04	79.05
07/23/16 16:00:00.0	8.76	9.05	79.34
07/23/16 17:00:00.0	8.68	8.97	79.41
07/23/16 18:00:00.0	8.62	8.91	79.30
07/23/16 19:00:00.0	8.57	8.86	79.05

Hwy_8_Merged

07/23/16 20:00:00.0	8.49	8.78	78.73
07/23/16 21:00:00.0	8.38	8.66	78.33
07/23/16 22:00:00.0	8.23	8.51	77.97
07/23/16 23:00:00.0	8.14	8.42	77.68
07/24/16 00:00:00.0	8.01	8.29	77.43
07/24/16 01:00:00.0	8.00	8.28	77.22
07/24/16 02:00:00.0	7.98	8.26	77.11
07/24/16 03:00:00.0	7.95	8.23	77.04
07/24/16 04:00:00.0	7.95	8.23	76.93
07/24/16 05:00:00.0	7.95	8.23	76.86
07/24/16 06:00:00.0	7.98	8.27	76.86
07/24/16 07:00:00.0	7.99	8.28	76.93
07/24/16 08:00:00.0	7.99	8.28	77.07
07/24/16 08:57:02.0			
07/24/16 08:57:03.0			
07/24/16 08:57:18.0			
07/24/16 09:12:52.0	8.03	8.24	78.69
07/24/16 10:12:52.0	8.07	8.28	77.36
07/24/16 11:12:52.0	8.12	8.34	77.43
07/24/16 12:12:52.0	8.19	8.41	77.61
07/24/16 13:12:52.0	8.26	8.48	77.68
07/24/16 14:12:52.0	8.31	8.54	77.83
07/24/16 15:12:52.0	8.36	8.59	77.94
07/24/16 16:12:52.0	8.46	8.69	78.12
07/24/16 17:12:52.0	8.52	8.76	78.44
07/24/16 18:12:52.0	8.51	8.75	78.58
07/24/16 19:12:52.0	8.43	8.67	78.73
07/24/16 20:12:52.0	8.38	8.62	78.55
07/24/16 21:12:52.0	8.31	8.55	78.33
07/24/16 22:12:52.0	8.19	8.43	78.08
07/24/16 23:12:52.0	8.09	8.33	77.76
07/25/16 00:12:52.0	8.01	8.25	77.47
07/25/16 01:12:52.0	7.96	8.20	77.25
07/25/16 02:12:52.0	7.92	8.16	77.18
07/25/16 03:12:52.0	7.95	8.19	77.04
07/25/16 04:12:52.0	7.95	8.19	76.93
07/25/16 05:12:52.0	7.96	8.20	76.82
07/25/16 06:12:52.0	7.99	8.23	76.75
07/25/16 07:12:52.0	7.99	8.24	76.68
07/25/16 08:12:52.0	8.01	8.26	76.57
07/25/16 09:12:52.0	8.07	8.32	76.68
07/25/16 10:12:52.0	8.16	8.42	76.93
07/25/16 11:12:52.0	8.27	8.53	77.29
07/25/16 12:12:52.0	8.41	8.68	77.68
07/25/16 13:12:52.0	8.55	8.82	78.04
07/25/16 14:12:52.0	8.65	8.93	78.44
07/25/16 15:12:52.0	8.69	8.97	78.84
07/25/16 16:12:52.0	8.68	8.96	79.05
07/25/16 17:12:52.0	8.68	8.97	79.16
07/25/16 18:12:52.0	8.64	8.93	79.20
07/25/16 19:12:52.0	8.57	8.86	79.09

Hwy_8_Merged

07/25/16 20:12:52.0	8.48	8.77	78.76
07/25/16 21:12:52.0	8.38	8.66	78.48
07/25/16 22:12:52.0	8.29	8.57	78.08
07/25/16 23:12:52.0	8.19	8.47	77.79
07/26/16 00:12:52.0	8.11	8.39	77.50
07/26/16 01:12:52.0	8.08	8.36	77.36
07/26/16 02:12:52.0	8.09	8.37	77.25
07/26/16 03:12:52.0	8.06	8.34	77.18
07/26/16 04:12:52.0	8.10	8.39	77.14
07/26/16 05:12:52.0	8.09	8.38	77.07
07/26/16 06:12:52.0	8.09	8.38	77.00
07/26/16 07:12:52.0	8.09	8.38	76.89
07/26/16 08:12:52.0	8.08	8.37	76.82
07/26/16 09:12:52.0	8.14	8.44	76.86
07/26/16 10:12:52.0	8.16	8.46	77.11
07/26/16 11:12:52.0	8.29	8.60	77.36
07/26/16 12:12:52.0	8.44	8.75	77.79
07/26/16 13:12:52.0	8.53	8.85	78.30
07/26/16 14:12:52.0	8.55	8.87	78.76
07/26/16 15:12:52.0	8.57	8.89	79.09
07/26/16 16:12:52.0	8.60	8.93	79.45
07/26/16 17:12:52.0	8.59	8.92	79.66
07/26/16 18:12:52.0	8.56	8.89	79.84
07/26/16 19:12:52.0	8.48	8.81	79.84
07/26/16 20:12:52.0	8.36	8.68	79.63
07/26/16 21:12:52.0	8.23	8.55	79.45
07/26/16 22:12:52.0	8.14	8.46	79.23
07/26/16 23:12:52.0	8.03	8.35	79.05
07/27/16 00:12:52.0	7.97	8.29	78.94
07/27/16 01:12:52.0	7.92	8.24	78.84
07/27/16 02:12:52.0	7.95	8.27	78.80
07/27/16 03:12:52.0	7.96	8.28	78.73
07/27/16 04:12:52.0	7.95	8.27	78.73
07/27/16 05:12:52.0	7.98	8.30	78.66
07/27/16 06:12:52.0	7.95	8.28	78.55
07/27/16 07:12:52.0	7.96	8.29	78.40
07/27/16 08:12:52.0	7.96	8.29	78.19
07/27/16 09:12:52.0	7.97	8.30	78.04
07/27/16 10:12:52.0	8.00	8.33	78.04
07/27/16 11:12:52.0	8.02	8.36	77.90
07/27/16 12:12:52.0	8.12	8.46	77.86
07/27/16 13:12:52.0	8.25	8.60	77.97
07/27/16 14:12:52.0	8.25	8.60	77.90
07/27/16 15:12:52.0	8.35	8.71	78.01
07/27/16 16:12:52.0	8.33	8.69	77.97
07/27/16 17:12:52.0	8.34	8.70	77.86
07/27/16 18:12:52.0	8.31	8.67	77.83
07/27/16 19:12:52.0	8.22	8.58	77.65
07/27/16 20:12:52.0	8.14	8.50	77.43
07/27/16 21:12:52.0	8.10	8.46	77.22
07/27/16 22:12:52.0	8.04	8.40	77.04

Hwy_8_Merged

07/27/16 23:12:52.0	7.99	8.35	76.86
07/28/16 00:12:52.0	8.00	8.36	76.71
07/28/16 01:12:52.0	7.99	8.35	76.53
07/28/16 02:12:52.0	8.00	8.36	76.42
07/28/16 03:12:52.0	8.02	8.38	76.35
07/28/16 04:12:52.0	8.01	8.38	76.32
07/28/16 05:12:52.0	8.01	8.38	76.17
07/28/16 06:12:52.0	8.03	8.40	76.06
07/28/16 07:12:52.0	8.03	8.40	75.96
07/28/16 08:12:52.0	8.03	8.40	75.88
07/28/16 09:12:52.0	8.06	8.44	75.85
07/28/16 10:12:52.0	8.07	8.45	76.03
07/28/16 11:12:52.0	8.19	8.58	76.35
07/28/16 12:12:52.0	8.26	8.65	76.57
07/28/16 13:12:52.0	8.38	8.78	77.00
07/28/16 14:12:52.0	8.49	8.90	77.32
07/28/16 15:12:52.0	8.52	8.93	77.54
07/28/16 16:12:52.0	8.49	8.90	77.94
07/28/16 17:12:52.0	8.43	8.84	77.97
07/28/16 18:12:52.0	8.40	8.81	77.97
07/28/16 19:12:52.0	8.37	8.78	77.79
07/28/16 20:12:52.0	8.33	8.74	77.54
07/28/16 21:12:52.0	8.32	8.73	77.25
07/28/16 22:12:52.0	8.22	8.63	76.96
07/28/16 23:12:52.0	8.16	8.57	76.60
07/29/16 00:12:52.0	8.10	8.50	76.42
07/29/16 01:12:52.0	8.07	8.47	76.21
07/29/16 02:12:52.0	8.08	8.49	76.10
07/29/16 03:12:52.0	8.11	8.52	76.03
07/29/16 04:12:52.0	8.09	8.50	75.92
07/29/16 05:12:52.0	8.12	8.53	75.85
07/29/16 06:12:52.0	8.13	8.55	75.85
07/29/16 07:12:52.0	8.12	8.54	75.74
07/29/16 08:12:52.0	8.11	8.53	75.70
07/29/16 09:12:52.0	8.16	8.58	75.78
07/29/16 10:12:52.0	8.22	8.65	76.03
07/29/16 11:12:52.0	8.24	8.67	76.39
07/29/16 12:12:52.0	8.37	8.81	76.64
07/29/16 13:12:52.0	8.53	8.98	77.04
07/29/16 14:12:52.0	8.59	9.04	77.36
07/29/16 15:12:52.0	8.63	9.09	77.61
07/29/16 16:12:52.0	8.60	9.06	77.83
07/29/16 17:12:52.0	8.60	9.06	77.97
07/29/16 18:12:52.0	8.57	9.03	78.12
07/29/16 19:12:52.0	8.46	8.92	77.97
07/29/16 20:12:52.0	8.38	8.83	77.76
07/29/16 21:12:52.0	8.29	8.74	77.43
07/29/16 22:12:52.0	8.21	8.66	77.14
07/29/16 23:12:52.0	8.13	8.58	76.89
07/30/16 00:12:52.0	8.12	8.57	76.75
07/30/16 01:12:52.0	8.11	8.56	76.60

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07/30/16 02:12:52.0	8.08	8.53	76.57
07/30/16 03:12:52.0	8.11	8.56	76.42
07/30/16 04:12:52.0	8.12	8.57	76.28
07/30/16 05:12:52.0	8.13	8.59	76.14
07/30/16 06:12:52.0	8.12	8.58	75.96
07/30/16 07:12:52.0	8.11	8.57	75.78
07/30/16 08:12:52.0	8.14	8.60	75.67
07/30/16 09:12:52.0	8.15	8.61	75.70
07/30/16 10:12:52.0	8.16	8.63	75.96
07/30/16 11:12:52.0	8.26	8.73	76.21
07/30/16 12:12:52.0	8.38	8.86	76.53
07/30/16 13:12:52.0	8.51	9.00	76.86
07/30/16 14:12:52.0	8.60	9.10	77.18
07/30/16 15:12:52.0	8.59	9.09	77.47
07/30/16 16:12:52.0	8.59	9.09	77.68
07/30/16 17:12:52.0	8.62	9.13	77.86
07/30/16 18:12:52.0	8.60	9.11	78.01
07/30/16 19:12:52.0	8.54	9.04	77.94
07/30/16 20:12:52.0	8.45	8.95	77.65
07/30/16 21:12:52.0	8.40	8.90	77.36
07/30/16 22:12:52.0	8.29	8.79	77.07
07/30/16 23:12:52.0	8.22	8.71	76.82
07/31/16 00:12:52.0	8.15	8.64	76.60
07/31/16 01:12:52.0	8.14	8.63	76.46
07/31/16 02:12:52.0	8.20	8.70	76.35
07/31/16 03:12:52.0	8.20	8.70	76.24
07/31/16 04:12:52.0	8.19	8.69	76.14
07/31/16 05:12:52.0	8.21	8.71	75.99
07/31/16 06:12:52.0	8.22	8.73	75.92
07/31/16 07:12:52.0	8.20	8.71	75.78
07/31/16 08:12:52.0	8.20	8.71	75.63
07/31/16 09:12:52.0	8.23	8.74	75.52
07/31/16 10:12:52.0	8.20	8.71	75.70
07/31/16 11:12:52.0	8.26	8.78	75.92
07/31/16 12:12:52.0	8.44	8.97	76.14
07/31/16 13:12:52.0	8.53	9.07	76.42
07/31/16 14:12:52.0	8.59	9.13	76.86
07/31/16 15:12:52.0	8.65	9.20	77.25
07/31/16 16:12:52.0	8.75	9.31	77.76
07/31/16 17:12:52.0	8.70	9.26	77.90
07/31/16 18:12:52.0	8.67	9.22	78.04
07/31/16 19:12:52.0	8.60	9.15	77.90
07/31/16 20:12:52.0	8.54	9.09	77.58
07/31/16 21:12:52.0	8.46	9.01	77.29
07/31/16 22:12:52.0	8.37	8.91	77.00
07/31/16 23:12:52.0	8.31	8.85	76.68
08/01/16 00:12:52.0	8.23	8.77	76.42
08/01/16 01:12:52.0	8.19	8.73	76.21
08/01/16 02:12:52.0	8.18	8.72	75.99
08/01/16 03:12:52.0	8.18	8.72	75.88
08/01/16 04:12:52.0	8.16	8.70	75.78

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08/01/16 05:12:52.0	8.18	8.72	75.67
08/01/16 06:12:52.0	8.24	8.79	75.63
08/01/16 07:12:52.0	8.24	8.79	75.60
08/01/16 08:12:52.0	8.25	8.80	75.56
08/01/16 09:12:52.0	8.27	8.83	75.70
08/01/16 10:12:52.0	8.33	8.89	75.96
08/01/16 11:12:52.0	8.41	8.98	76.06
08/01/16 12:12:52.0	8.57	9.15	76.39
08/01/16 13:12:52.0	8.75	9.35	76.93
08/01/16 14:12:52.0	8.89	9.50	77.36
08/01/16 15:12:52.0	9.00	9.62	77.72
08/01/16 16:12:52.0	9.01	9.63	77.86
08/01/16 17:12:52.0	8.95	9.57	78.12
08/01/16 18:12:52.0	8.91	9.53	78.12
08/01/16 19:12:52.0	8.90	9.52	77.97
08/01/16 20:12:52.0	8.78	9.39	77.72
08/01/16 21:12:52.0	8.68	9.29	77.50
08/01/16 22:12:52.0	8.56	9.16	77.29
08/01/16 23:12:52.0	8.44	9.03	76.96
08/02/16 00:12:52.0	8.33	8.92	76.68
08/02/16 01:12:52.0	8.26	8.84	76.39
08/02/16 02:12:52.0	8.22	8.80	76.28
08/02/16 03:12:52.0	8.22	8.80	76.21
08/02/16 04:12:52.0	8.20	8.78	76.14
08/02/16 05:12:52.0	8.19	8.78	76.03
08/02/16 06:12:52.0	8.15	8.73	76.03
08/02/16 07:12:52.0	8.18	8.77	76.10
08/02/16 08:12:52.0	8.21	8.80	76.14
08/02/16 09:12:52.0	8.23	8.83	76.32
08/02/16 10:12:52.0	8.27	8.87	76.57
08/02/16 11:12:52.0	8.40	9.01	76.82
08/02/16 12:12:52.0	8.22	8.82	77.14
08/02/16 13:04:23.0	7.91	7.95	80.67
08/02/16 14:04:23.0	8.82	8.87	77.76
08/02/16 15:04:23.0	8.92	8.97	77.97
08/02/16 16:04:23.0	8.92	8.97	78.04
08/02/16 17:04:23.0	8.93	8.98	78.08
08/02/16 18:04:23.0	8.91	8.96	78.01
08/02/16 19:04:23.0	8.88	8.93	77.94
08/02/16 20:04:23.0	8.76	8.81	77.76
08/02/16 21:04:23.0	8.65	8.71	77.54
08/02/16 22:04:23.0	8.55	8.61	77.36
08/02/16 23:04:23.0	8.41	8.47	77.18
08/03/16 00:04:23.0	8.29	8.35	76.96
08/03/16 01:04:23.0	8.22	8.28	76.86
08/03/16 02:04:23.0	8.19	8.25	76.75
08/03/16 03:04:23.0	8.15	8.21	76.75
08/03/16 04:04:23.0	8.15	8.21	76.82
08/03/16 05:04:23.0	8.11	8.17	76.86
08/03/16 06:04:23.0	8.10	8.16	76.82
08/03/16 07:04:23.0	8.09	8.15	76.82

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08/03/16 08:04:23.0	8.08	8.14	76.82
08/03/16 09:04:23.0	8.12	8.18	76.93
08/03/16 10:04:23.0	8.16	8.22	77.18
08/03/16 11:04:23.0	8.27	8.33	77.54
08/03/16 12:04:23.0	8.44	8.51	77.79
08/03/16 13:04:23.0	8.63	8.70	78.12
08/03/16 14:04:23.0	8.74	8.81	78.66
08/03/16 15:04:23.0	8.81	8.88	79.02
08/03/16 16:04:23.0	8.87	8.94	79.48
08/03/16 17:04:23.0	8.89	8.96	79.84
08/03/16 18:04:23.0	8.82	8.89	79.92
08/03/16 19:04:23.0	8.74	8.81	79.84
08/03/16 20:04:23.0	8.63	8.70	79.66
08/03/16 21:04:23.0	8.54	8.61	79.41
08/03/16 22:04:23.0	8.42	8.49	79.20
08/03/16 23:04:23.0	8.29	8.36	78.98
08/04/16 00:04:23.0	8.19	8.26	78.73
08/04/16 01:04:23.0	8.10	8.17	78.55
08/04/16 02:04:23.0	7.99	8.06	78.44
08/04/16 03:04:23.0	7.90	7.97	78.40
08/04/16 04:04:23.0	7.88	7.95	78.37
08/04/16 05:04:23.0	7.88	7.96	78.33
08/04/16 06:04:23.0	7.85	7.93	78.30
08/04/16 07:04:23.0	7.82	7.90	78.26
08/04/16 08:04:23.0	7.85	7.93	78.26
08/04/16 09:04:23.0	7.93	8.01	78.40
08/04/16 10:04:23.0	7.98	8.06	78.66
08/04/16 11:04:23.0	8.09	8.17	78.94
08/04/16 12:04:23.0	8.29	8.37	79.34
08/04/16 13:04:23.0	8.38	8.47	79.66
08/04/16 14:04:23.0	8.44	8.53	79.88
08/04/16 15:04:23.0	8.46	8.55	79.63
08/04/16 16:04:23.0	8.51	8.60	79.56
08/04/16 17:04:23.0	8.45	8.54	79.02
08/04/16 18:04:23.0	8.43	8.52	78.62
08/04/16 19:04:23.0	8.46	8.55	78.37
08/04/16 20:04:23.0	8.45	8.54	78.19
08/04/16 21:04:23.0	8.41	8.50	77.97
08/04/16 22:04:23.0	8.34	8.43	77.83
08/04/16 23:04:23.0	8.24	8.33	77.68
08/05/16 00:04:23.0	8.18	8.27	77.61
08/05/16 01:04:23.0	8.09	8.18	77.61
08/05/16 02:04:23.0	8.02	8.11	77.61
08/05/16 03:04:23.0	8.00	8.09	77.47
08/05/16 04:04:23.0	7.98	8.07	77.32
08/05/16 05:04:23.0	7.99	8.09	77.11
08/05/16 06:04:23.0	8.02	8.12	76.86
08/05/16 07:04:23.0	8.02	8.12	76.64
08/05/16 08:04:23.0	8.07	8.17	76.42
08/05/16 09:04:23.0	8.10	8.20	76.32
08/05/16 10:04:23.0	8.23	8.33	76.35

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08/05/16 11:04:23.0	8.32	8.42	76.53
08/05/16 12:04:23.0	8.43	8.54	76.78
08/05/16 13:04:23.0	8.51	8.62	76.93
08/05/16 14:04:23.0	8.60	8.71	77.22
08/05/16 15:04:23.0	8.68	8.79	77.54
08/05/16 16:04:23.0	8.67	8.78	77.68
08/05/16 17:04:23.0	8.70	8.81	77.68
08/05/16 18:04:23.0	8.57	8.68	77.68
08/05/16 19:04:23.0	8.48	8.59	77.50
08/05/16 20:04:23.0	8.41	8.52	77.25
08/05/16 21:04:23.0	8.35	8.46	76.96
08/05/16 22:04:23.0	8.27	8.38	76.75
08/05/16 23:04:23.0	8.21	8.32	76.46
08/06/16 00:04:23.0	8.11	8.22	76.21
08/06/16 01:04:23.0	8.06	8.17	75.96
08/06/16 02:04:23.0	8.07	8.18	75.74
08/06/16 03:04:23.0	8.08	8.19	75.56
08/06/16 04:04:23.0	8.08	8.19	75.49
08/06/16 05:04:23.0	8.10	8.22	75.34
08/06/16 06:04:23.0	8.11	8.23	75.24
08/06/16 07:04:23.0	8.11	8.23	75.20
08/06/16 08:04:23.0	8.11	8.23	75.13
08/06/16 09:04:23.0	8.14	8.26	75.27
08/06/16 10:04:23.0	8.19	8.31	75.60
08/06/16 11:04:23.0	8.19	8.31	75.88
08/06/16 12:04:23.0	8.30	8.42	76.24
08/06/16 13:04:23.0	8.37	8.50	76.64
08/06/16 14:04:23.0	8.46	8.59	76.96
08/06/16 15:04:23.0	8.55	8.68	77.65
08/06/16 16:04:23.0	8.58	8.71	78.04
08/06/16 17:04:23.0	8.53	8.66	78.30
08/06/16 18:04:23.0	8.52	8.65	78.44
08/06/16 19:04:23.0	8.45	8.58	78.26
08/06/16 20:04:23.0	8.40	8.53	78.04
08/06/16 21:04:23.0	8.29	8.42	77.68
08/06/16 22:04:23.0	8.22	8.35	77.25
08/06/16 23:04:23.0	8.16	8.29	76.82
08/07/16 00:04:23.0	8.10	8.23	76.46
08/07/16 01:04:23.0	8.06	8.19	76.06
08/07/16 02:04:23.0	8.07	8.20	75.70
08/07/16 03:04:23.0	8.06	8.19	75.49
08/07/16 04:04:23.0	8.09	8.22	75.27
08/07/16 05:04:23.0	8.07	8.20	75.09
08/07/16 06:04:23.0	8.10	8.24	74.88
08/07/16 07:04:23.0	8.13	8.27	74.80
08/07/16 08:04:23.0	8.15	8.29	74.80
08/07/16 09:04:23.0	8.22	8.36	75.02
08/07/16 10:04:23.0	8.22	8.36	75.45
08/07/16 11:04:23.0	8.23	8.37	75.70
08/07/16 12:04:23.0	8.27	8.41	76.10
08/07/16 13:04:23.0	8.40	8.55	76.89

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08/07/16 14:04:23.0	8.60	8.75	77.65
08/07/16 15:04:23.0	8.62	8.77	77.94
08/07/16 16:04:23.0	8.63	8.78	78.22
08/07/16 17:04:23.0	8.65	8.80	78.66
08/07/16 18:04:23.0	8.60	8.75	78.80
08/07/16 19:04:23.0	8.57	8.73	78.87
08/07/16 20:04:23.0	8.48	8.63	78.62
08/07/16 21:04:23.0	8.43	8.58	78.26
08/07/16 22:04:23.0	8.33	8.48	77.90
08/07/16 23:04:23.0	8.22	8.37	77.32
08/08/16 00:04:23.0	8.10	8.25	76.89
08/08/16 01:04:23.0	8.02	8.17	76.57
08/08/16 02:04:23.0	8.00	8.15	76.14
08/08/16 03:04:23.0	8.03	8.18	75.92
08/08/16 04:04:23.0	8.01	8.16	75.70
08/08/16 05:04:23.0	8.02	8.17	75.49
08/08/16 06:04:23.0	8.04	8.19	75.24
08/08/16 07:04:23.0	8.03	8.19	75.09
08/08/16 08:04:23.0	8.04	8.20	75.02
08/08/16 09:04:23.0	8.11	8.27	75.06
08/08/16 10:04:23.0	8.12	8.28	75.34
08/08/16 11:04:23.0	8.10	8.26	75.78
08/08/16 12:04:23.0	8.27	8.43	76.28
08/08/16 13:04:23.0	8.36	8.53	77.61
08/08/16 14:04:23.0	8.53	8.70	78.66
08/08/16 15:04:23.0	8.67	8.84	78.80
08/08/16 16:04:23.0	8.80	8.98	79.12
08/08/16 17:04:23.0	8.74	8.92	79.02
08/08/16 18:04:23.0	8.64	8.82	79.05
08/08/16 19:04:23.0	8.63	8.81	78.84
08/08/16 20:04:23.0	8.54	8.72	78.40
08/08/16 21:04:23.0	8.47	8.65	77.94
08/08/16 22:04:23.0	8.35	8.52	77.47
08/08/16 23:04:23.0	8.25	8.42	76.96
08/09/16 00:04:23.0	8.12	8.29	76.57
08/09/16 01:04:23.0	8.04	8.21	76.28
08/09/16 02:04:23.0	8.01	8.18	75.88
08/09/16 03:04:23.0	8.00	8.17	75.52
08/09/16 04:04:23.0	8.02	8.19	75.34
08/09/16 05:04:23.0	8.04	8.21	75.20
08/09/16 06:04:23.0	8.09	8.26	75.09
08/09/16 07:04:23.0	8.15	8.33	75.13
08/09/16 08:04:23.0	8.14	8.32	75.27
08/09/16 09:04:23.0	8.19	8.37	75.52
08/09/16 10:04:23.0	8.22	8.40	75.99
08/09/16 11:04:23.0	8.11	8.29	76.32
08/09/16 12:04:23.0	8.26	8.44	76.57
08/09/16 13:04:23.0	8.45	8.64	77.32
08/09/16 14:04:23.0	8.54	8.73	77.76
08/09/16 15:04:23.0	8.60	8.79	78.44
08/09/16 16:04:23.0	8.65	8.85	78.91

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08/09/16 17:04:23.0	8.53	8.72	78.87
08/09/16 18:04:23.0	8.51	8.70	78.84
08/09/16 19:04:23.0	8.45	8.64	78.76
08/09/16 20:04:23.0	8.31	8.50	78.51
08/09/16 21:04:23.0	8.24	8.43	78.19
08/09/16 22:04:23.0	8.16	8.35	77.94
08/09/16 23:04:23.0	8.08	8.27	77.65
08/10/16 00:04:23.0	7.98	8.17	77.40
08/10/16 01:04:23.0	7.89	8.08	77.18
08/10/16 02:04:23.0	7.87	8.06	76.96
08/10/16 03:04:23.0	7.89	8.08	76.86
08/10/16 04:04:23.0	7.90	8.09	76.82
08/10/16 05:04:23.0	7.90	8.09	76.82
08/10/16 06:04:23.0	7.89	8.08	76.78
08/10/16 07:04:23.0	7.91	8.10	76.82
08/10/16 08:04:23.0	7.98	8.17	76.93
08/10/16 09:04:23.0	8.01	8.20	77.11
08/10/16 10:04:23.0	8.04	8.24	77.32
08/10/16 11:04:23.0	8.02	8.22	77.50
08/10/16 12:04:23.0	8.18	8.38	77.68
08/10/16 13:04:23.0	8.31	8.52	78.01
08/10/16 14:04:23.0	8.40	8.61	78.40
08/10/16 15:04:23.0	8.42	8.63	78.76
08/10/16 16:04:23.0	8.45	8.66	79.16
08/10/16 17:04:23.0	8.45	8.66	79.38
08/10/16 18:04:23.0	8.37	8.58	79.59
08/10/16 19:04:23.0	8.26	8.47	79.56
08/10/16 20:04:23.0	8.19	8.40	79.38
08/10/16 21:04:23.0	8.13	8.34	79.09
08/10/16 22:04:23.0	8.02	8.23	78.80
08/10/16 23:04:23.0	7.95	8.15	78.48
08/11/16 00:04:23.0	7.82	8.02	78.22
08/11/16 01:04:23.0	7.78	7.98	78.01
08/11/16 02:04:23.0	7.74	7.94	77.86
08/11/16 03:04:23.0	7.73	7.93	77.79
08/11/16 04:04:23.0	7.76	7.96	77.76
08/11/16 05:04:23.0	7.80	8.00	77.76
08/11/16 06:04:23.0	7.79	8.00	77.72
08/11/16 07:04:23.0	7.82	8.03	77.68
08/11/16 08:04:23.0	7.85	8.06	77.72
08/11/16 09:04:23.0	7.89	8.10	77.79
08/11/16 10:04:23.0	7.90	8.11	77.79
08/11/16 11:04:23.0	7.93	8.14	77.86
08/11/16 12:04:23.0	8.00	8.22	77.94
08/11/16 13:04:23.0	8.00	8.22	77.90
08/11/16 14:04:23.0	7.97	8.19	77.94
08/11/16 15:04:23.0	8.01	8.23	78.01
08/11/16 16:04:23.0	8.01	8.23	77.90
08/11/16 17:04:23.0	8.00	8.22	77.83
08/11/16 18:04:23.0	8.01	8.23	78.01
08/11/16 19:04:23.0	8.07	8.29	77.86

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08/11/16 20:04:23.0	8.07	8.29	77.61
08/11/16 21:04:23.0	8.00	8.22	77.32
08/11/16 22:04:23.0	7.91	8.13	76.93
08/11/16 23:04:23.0	7.85	8.07	76.57
08/12/16 00:04:23.0	7.86	8.08	76.28
08/12/16 01:04:23.0	7.90	8.12	76.21
08/12/16 02:04:23.0	7.87	8.09	76.17
08/12/16 03:04:23.0	7.88	8.10	76.14
08/12/16 04:04:23.0	7.92	8.15	75.99
08/12/16 05:04:23.0	7.95	8.18	75.88
08/12/16 06:04:23.0	7.97	8.20	75.85
08/12/16 07:04:23.0	7.97	8.20	75.78
08/12/16 07:31:38.0	8.46	8.66	73.08
08/12/16 08:31:38.0	8.04	8.23	75.63
08/12/16 09:31:38.0	8.02	8.21	75.56
08/12/16 10:31:38.0	8.07	8.26	75.60
08/12/16 11:31:38.0	8.11	8.30	75.63
08/12/16 12:31:38.0	8.14	8.34	75.70
08/12/16 13:31:38.0	8.25	8.45	75.92
08/12/16 14:31:38.0	8.29	8.49	76.06
08/12/16 15:31:38.0	8.32	8.52	76.24
08/12/16 16:31:38.0	8.34	8.54	76.35
08/12/16 17:31:38.0	8.34	8.54	76.32
08/12/16 18:31:38.0	8.33	8.54	76.21
08/12/16 19:31:38.0	8.27	8.47	76.03
08/12/16 20:31:38.0	8.23	8.43	75.85
08/12/16 21:31:38.0	8.19	8.39	75.70
08/12/16 22:31:38.0	8.13	8.33	75.56
08/12/16 23:31:38.0	8.10	8.30	75.45
08/13/16 00:31:38.0	8.10	8.30	75.38
08/13/16 01:31:38.0	8.09	8.29	75.38
08/13/16 02:31:38.0	8.12	8.33	75.34
08/13/16 03:31:38.0	8.12	8.33	75.34
08/13/16 04:31:38.0	8.18	8.39	75.24
08/13/16 05:31:38.0	8.16	8.37	75.16
08/13/16 06:31:38.0	8.16	8.37	75.02
08/13/16 07:31:38.0	8.13	8.34	74.91
08/13/16 08:31:38.0	8.12	8.33	74.73
08/13/16 09:31:38.0	8.11	8.32	74.62
08/13/16 10:31:38.0	8.12	8.33	74.70
08/13/16 11:31:38.0	8.15	8.36	74.73
08/13/16 12:31:38.0	8.26	8.48	75.09
08/13/16 13:31:38.0	8.34	8.56	75.42
08/13/16 14:31:38.0	8.43	8.65	75.99
08/13/16 15:31:38.0	8.45	8.68	76.14
08/13/16 16:31:38.0	8.46	8.69	76.21
08/13/16 17:31:38.0	8.48	8.71	76.17
08/13/16 18:31:38.0	8.48	8.71	76.14
08/13/16 19:31:38.0	8.44	8.67	75.96
08/13/16 20:31:38.0	8.36	8.59	75.85
08/13/16 21:31:38.0	8.30	8.53	75.67

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08/13/16 22:31:38.0	8.24	8.47	75.52
08/13/16 23:31:38.0	8.22	8.45	75.38
08/14/16 00:31:38.0	8.21	8.44	75.27
08/14/16 01:31:38.0	8.21	8.44	75.16
08/14/16 02:31:38.0	8.21	8.44	75.02
08/14/16 03:31:38.0	8.22	8.45	74.91
08/14/16 04:31:38.0	8.22	8.45	74.77
08/14/16 05:31:38.0	8.20	8.43	74.55
08/14/16 06:31:38.0	8.21	8.44	74.34
08/14/16 07:31:38.0	8.21	8.44	74.16
08/14/16 08:31:38.0	8.20	8.43	74.01
08/14/16 09:31:38.0	8.26	8.50	74.05
08/14/16 10:31:38.0	8.33	8.57	74.41
08/14/16 11:31:38.0	8.43	8.67	74.77
08/14/16 12:31:38.0	8.52	8.77	75.09
08/14/16 13:31:38.0	8.55	8.80	75.38
08/14/16 14:31:38.0	8.52	8.77	75.52
08/14/16 15:31:38.0	8.56	8.81	75.99
08/14/16 16:31:38.0	8.56	8.81	76.14
08/14/16 17:31:38.0	8.58	8.83	76.32
08/14/16 18:31:38.0	8.55	8.80	76.42
08/14/16 19:31:38.0	8.45	8.70	76.21
08/14/16 20:31:38.0	8.44	8.69	76.10
08/14/16 21:31:38.0	8.33	8.58	75.88
08/14/16 22:31:38.0	8.30	8.55	75.74
08/14/16 23:31:38.0	8.25	8.50	75.67
08/15/16 00:31:38.0	8.24	8.49	75.67
08/15/16 01:31:38.0	8.22	8.47	75.63
08/15/16 02:31:38.0	8.26	8.51	75.60
08/15/16 03:31:38.0	8.26	8.51	75.49
08/15/16 04:31:38.0	8.26	8.51	75.34
08/15/16 05:31:38.0	8.26	8.51	75.16
08/15/16 06:31:38.0	8.25	8.50	74.91
08/15/16 07:31:38.0	8.25	8.50	74.66
08/15/16 08:31:38.0	8.24	8.49	74.44
08/15/16 09:31:38.0	8.26	8.51	74.34
08/15/16 10:31:38.0	8.34	8.60	74.52
08/15/16 11:31:38.0	8.48	8.74	74.80
08/15/16 12:31:38.0	8.59	8.86	75.24
08/15/16 13:31:38.0	8.67	8.94	75.74
08/15/16 14:31:38.0	8.74	9.01	76.14
08/15/16 15:31:38.0	8.76	9.04	76.57
08/15/16 16:31:38.0	8.76	9.04	76.93
08/15/16 17:31:38.0	8.73	9.01	77.04
08/15/16 18:31:38.0	8.70	8.98	77.07
08/15/16 19:31:38.0	8.59	8.86	76.86
08/15/16 20:31:38.0	8.52	8.79	76.57
08/15/16 21:31:38.0	8.42	8.69	76.35
08/15/16 22:31:38.0	8.37	8.64	76.21
08/15/16 23:31:38.0	8.33	8.60	76.06
08/16/16 00:31:38.0	8.33	8.60	75.92

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08/16/16 01:31:38.0	8.33	8.60	75.85
08/16/16 02:31:38.0	8.34	8.61	75.74
08/16/16 03:31:38.0	8.34	8.61	75.67
08/16/16 04:31:38.0	8.32	8.59	75.49
08/16/16 05:31:38.0	8.32	8.59	75.24
08/16/16 06:31:38.0	8.26	8.53	74.91
08/16/16 07:31:38.0	8.22	8.49	74.62
08/16/16 08:31:38.0	8.20	8.47	74.26
08/16/16 09:31:38.0	8.29	8.57	74.08
08/16/16 10:31:38.0	8.33	8.61	74.30
08/16/16 11:31:38.0	8.47	8.75	74.66
08/16/16 12:31:38.0	8.62	8.91	75.20
08/16/16 13:31:38.0	8.67	8.96	75.60
08/16/16 14:31:38.0	8.67	8.96	75.85
08/16/16 15:31:38.0	8.66	8.95	75.92
08/16/16 16:31:38.0	8.69	8.98	76.21
08/16/16 17:31:38.0	8.66	8.95	76.32
08/16/16 18:31:38.0	8.60	8.89	76.28
08/16/16 19:31:38.0	8.54	8.83	76.28
08/16/16 20:31:38.0	8.44	8.73	76.21
08/16/16 21:31:38.0	8.38	8.67	76.06
08/16/16 22:31:38.0	8.32	8.61	75.92
08/16/16 23:31:38.0	8.32	8.61	75.88
08/17/16 00:31:38.0	8.30	8.59	75.81
08/17/16 01:31:38.0	8.32	8.61	75.81
08/17/16 02:31:38.0	8.29	8.58	75.74
08/17/16 03:31:38.0	8.27	8.56	75.60
08/17/16 04:31:38.0	8.26	8.55	75.45
08/17/16 05:31:38.0	8.25	8.54	75.24
08/17/16 06:31:38.0	8.22	8.51	75.06
08/17/16 07:31:38.0	8.21	8.50	74.84
08/17/16 08:31:38.0	8.20	8.49	74.66
08/17/16 09:31:38.0	8.22	8.51	74.59
08/17/16 10:31:38.0	8.22	8.51	74.80
08/17/16 11:31:38.0	8.33	8.63	75.02
08/17/16 12:31:38.0	8.47	8.77	75.34
08/17/16 13:31:38.0	8.58	8.89	75.78
08/17/16 14:31:38.0	8.67	8.98	76.42
08/17/16 15:31:38.0	8.68	8.99	76.89
08/17/16 16:31:38.0	8.71	9.03	77.32
08/17/16 17:31:38.0	8.70	9.02	77.68
08/17/16 18:31:38.0	8.68	9.00	77.86
08/17/16 19:31:38.0	8.57	8.88	77.72
08/17/16 20:31:38.0	8.54	8.85	77.32
08/17/16 21:31:38.0	8.38	8.69	77.11
08/17/16 22:31:38.0	8.36	8.67	76.89
08/17/16 23:31:38.0	8.24	8.54	76.68
08/18/16 00:31:38.0	8.16	8.46	76.46
08/18/16 01:31:38.0	8.13	8.43	76.28
08/18/16 02:31:38.0	8.11	8.41	76.17
08/18/16 03:31:38.0	8.12	8.42	76.06

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08/18/16 04:31:38.0	8.13	8.43	75.99
08/18/16 05:31:38.0	8.14	8.45	75.92
08/18/16 06:31:38.0	8.13	8.44	75.85
08/18/16 07:31:38.0	8.12	8.43	75.81
08/18/16 08:31:38.0	8.12	8.43	75.81
08/18/16 09:31:38.0	8.19	8.50	75.99
08/18/16 10:31:38.0	8.18	8.49	76.21
08/18/16 11:31:38.0	8.34	8.66	76.42
08/18/16 12:31:38.0	8.51	8.84	76.93
08/18/16 13:31:38.0	8.68	9.01	77.54
08/18/16 14:31:38.0	8.74	9.08	77.90
08/18/16 15:31:38.0	8.71	9.05	78.04
08/18/16 16:31:38.0	8.73	9.07	78.08
08/18/16 17:31:38.0	8.65	8.98	78.22
08/18/16 18:31:38.0	8.59	8.92	78.04
08/18/16 19:31:38.0	8.52	8.85	77.72
08/18/16 20:31:38.0	8.40	8.73	77.43
08/18/16 21:31:38.0	8.33	8.66	77.14
08/18/16 22:31:38.0	8.24	8.56	76.86
08/18/16 23:31:38.0	8.15	8.47	76.64
08/19/16 00:31:38.0	8.08	8.40	76.42
08/19/16 01:31:38.0	8.08	8.40	76.32
08/19/16 02:31:38.0	8.07	8.39	76.32
08/19/16 03:31:38.0	8.06	8.38	76.39
08/19/16 04:31:38.0	8.04	8.36	76.42
08/19/16 05:31:38.0	8.03	8.35	76.46
08/19/16 06:31:38.0	8.04	8.36	76.50
08/19/16 07:31:38.0	8.06	8.38	76.53
08/19/16 08:31:38.0	8.08	8.40	76.32
08/19/16 09:31:38.0	8.07	8.40	76.35
08/19/16 10:31:38.0	8.07	8.40	76.39
08/19/16 11:31:38.0	8.02	8.34	76.39
08/19/16 12:31:38.0	8.11	8.44	76.39
08/19/16 13:31:38.0	8.11	8.44	76.46
08/19/16 13:43:16.0	8.23	8.38	75.42
08/19/16 14:43:16.0	8.30	8.45	76.50
08/19/16 15:43:16.0	8.43	8.58	76.57
08/19/16 16:43:16.0	8.43	8.58	76.78
08/19/16 17:43:16.0	8.34	8.49	76.64
08/19/16 18:43:16.0	8.37	8.52	76.53
08/19/16 19:43:16.0	8.35	8.49	76.28
08/19/16 20:43:16.0	8.31	8.45	76.03
08/19/16 21:43:16.0	8.30	8.44	75.78
08/19/16 22:43:16.0	8.23	8.37	75.56
08/19/16 23:43:16.0	8.14	8.28	75.38
08/20/16 00:43:16.0	8.08	8.21	75.24
08/20/16 01:43:16.0	8.03	8.16	75.06
08/20/16 02:43:16.0	8.00	8.13	74.95
08/20/16 03:43:16.0	7.98	8.11	74.91
08/20/16 04:43:16.0	7.97	8.10	74.91
08/20/16 05:43:16.0	8.00	8.13	74.84

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08/20/16 06:43:16.0	8.06	8.19	74.77
08/20/16 07:43:16.0	8.07	8.20	74.70
08/20/16 08:43:16.0	8.07	8.20	74.59
08/20/16 09:43:16.0	8.10	8.22	74.52
08/20/16 10:43:16.0	8.10	8.22	74.48
08/20/16 11:43:16.0	8.12	8.24	74.37
08/20/16 12:43:16.0	8.12	8.24	74.23
08/20/16 13:43:16.0	8.16	8.28	74.05
08/20/16 14:43:16.0	8.23	8.35	73.87
08/20/16 15:43:16.0	8.25	8.37	73.69
08/20/16 16:43:16.0	8.22	8.34	73.69
08/20/16 17:43:16.0	8.16	8.28	73.51
08/20/16 18:43:16.0	8.20	8.32	73.29
08/20/16 19:43:16.0	8.20	8.31	73.08
08/20/16 20:43:16.0	8.14	8.25	72.93
08/20/16 21:43:16.0	8.13	8.24	72.68
08/20/16 22:43:16.0	8.18	8.29	72.54
08/20/16 23:43:16.0	8.20	8.31	72.36
08/21/16 00:43:16.0	8.22	8.33	72.25
08/21/16 01:43:16.0	8.32	8.43	72.21
08/21/16 02:43:16.0	8.40	8.51	72.21
08/21/16 03:43:16.0	8.44	8.55	72.18
08/21/16 04:43:16.0	8.38	8.49	72.07
08/21/16 05:43:16.0	8.30	8.40	71.92
08/21/16 06:43:16.0	8.26	8.36	71.74
08/21/16 07:43:16.0	8.31	8.41	71.53
08/21/16 08:43:16.0	8.37	8.47	71.38
08/21/16 09:43:16.0	8.47	8.57	71.38
08/21/16 10:43:16.0	8.58	8.68	71.60
08/21/16 11:43:16.0	8.70	8.80	71.74
08/21/16 12:43:16.0	8.77	8.87	71.82
08/21/16 13:43:16.0	8.85	8.95	72.07
08/21/16 14:43:16.0	8.86	8.96	72.18
08/21/16 15:43:16.0	8.88	8.98	72.72
08/21/16 16:43:16.0	8.89	8.99	73.08
08/21/16 17:43:16.0	8.90	9.00	73.22
08/21/16 18:43:16.0	8.82	8.91	73.26
08/21/16 19:43:16.0	8.74	8.83	73.11
08/21/16 20:43:16.0	8.66	8.75	73.04
08/21/16 21:43:16.0	8.60	8.69	72.86
08/21/16 22:43:16.0	8.59	8.68	72.64
08/21/16 23:43:16.0	8.57	8.66	72.36
08/22/16 00:43:16.0	8.60	8.68	72.14
08/22/16 01:43:16.0	8.59	8.67	71.92
08/22/16 02:43:16.0	8.59	8.67	71.64
08/22/16 03:43:16.0	8.59	8.67	71.38
08/22/16 04:43:16.0	8.64	8.72	71.06
08/22/16 05:43:16.0	8.60	8.68	70.74
08/22/16 06:43:16.0	8.64	8.72	70.48
08/22/16 07:43:16.0	8.66	8.74	70.30
08/22/16 08:43:16.0	8.68	8.76	70.27

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08/22/16 09:43:16.0	8.77	8.85	70.52
08/22/16 10:43:16.0	8.89	8.96	71.02
08/22/16 11:43:16.0	8.96	9.03	71.64
08/22/16 12:43:16.0	9.02	9.09	72.21
08/22/16 13:43:16.0	9.09	9.16	72.72
08/22/16 14:43:16.0	9.06	9.13	73.15
08/22/16 15:43:16.0	9.04	9.11	73.44
08/22/16 16:43:16.0	9.03	9.10	73.65
08/22/16 17:43:16.0	8.99	9.06	73.80
08/22/16 18:43:16.0	8.87	8.93	73.62
08/22/16 19:43:16.0	8.78	8.84	73.51
08/22/16 20:43:16.0	8.69	8.75	73.36
08/22/16 21:43:16.0	8.66	8.72	73.22
08/22/16 22:43:16.0	8.60	8.66	73.08
08/22/16 23:43:16.0	8.62	8.68	72.90
08/23/16 00:43:16.0	8.64	8.70	72.68
08/23/16 01:43:16.0	8.62	8.67	72.46
08/23/16 02:43:16.0	8.62	8.67	72.21
08/23/16 03:43:16.0	8.62	8.67	71.89
08/23/16 04:43:16.0	8.60	8.65	71.64
08/23/16 05:43:16.0	8.63	8.68	71.31
08/23/16 06:43:16.0	8.64	8.69	71.06
08/23/16 07:43:16.0	8.67	8.72	70.81
08/23/16 08:43:16.0	8.70	8.75	70.70
08/23/16 09:43:16.0	8.80	8.85	70.84
08/23/16 10:43:16.0	8.90	8.94	71.28
08/23/16 11:43:16.0	8.99	9.03	71.74
08/23/16 12:43:16.0	9.08	9.12	72.32
08/23/16 13:43:16.0	9.12	9.16	72.75
08/23/16 14:43:16.0	9.14	9.18	73.15
08/23/16 15:43:16.0	9.10	9.14	73.47
08/23/16 16:43:16.0	9.06	9.10	73.62
08/23/16 17:43:16.0	9.01	9.05	73.72
08/23/16 18:43:16.0	8.93	8.96	73.54
08/23/16 19:43:16.0	8.80	8.83	73.36
08/23/16 20:43:16.0	8.74	8.77	73.15
08/23/16 21:43:16.0	8.69	8.72	72.97
08/23/16 22:43:16.0	8.66	8.69	72.86
08/23/16 23:43:16.0	8.64	8.67	72.72
08/24/16 00:43:16.0	8.62	8.65	72.61
08/24/16 01:43:16.0	8.67	8.70	72.43
08/24/16 02:43:16.0	8.63	8.65	72.21
08/24/16 03:43:16.0	8.60	8.62	71.96
08/24/16 04:43:16.0	8.58	8.60	71.71
08/24/16 05:43:16.0	8.56	8.58	71.46
08/24/16 06:43:16.0	8.58	8.60	71.24
08/24/16 07:43:16.0	8.57	8.59	71.06
08/24/16 08:43:16.0	8.53	8.55	70.92
08/24/16 09:43:16.0	8.58	8.60	70.84
08/24/16 10:43:16.0	8.58	8.59	70.77
08/24/16 11:43:16.0	8.67	8.68	70.88

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08/24/16 12:43:16.0	8.70	8.71	71.02
08/24/16 13:43:16.0	8.74	8.75	71.06
08/24/16 14:43:16.0	8.81	8.82	71.38
08/24/16 15:43:16.0	8.84	8.85	71.56
08/24/16 16:43:16.0	8.86	8.87	71.60
08/24/16 17:43:16.0	8.85	8.86	71.71
08/24/16 18:43:16.0	8.82	8.82	71.71
08/24/16 19:43:16.0	8.75	8.75	71.60
08/24/16 20:43:16.0	8.69	8.69	71.42
08/24/16 21:43:16.0	8.68	8.68	71.31
08/24/16 22:43:16.0	8.65	8.65	71.20
08/24/16 23:43:16.0	8.65	8.65	71.13
08/25/16 00:43:16.0	8.67	8.67	71.06
08/25/16 01:43:16.0	8.65	8.65	71.02
08/25/16 02:43:16.0	8.67	8.66	70.95
08/25/16 03:43:16.0	8.67	8.66	70.84
08/25/16 04:43:16.0	8.69	8.68	70.70
08/25/16 05:43:16.0	8.67	8.66	70.52
08/25/16 06:43:16.0	8.68	8.67	70.38
08/25/16 07:43:16.0	8.69	8.68	70.23
08/25/16 08:43:16.0	8.67	8.66	70.16
08/25/16 09:43:16.0	8.76	8.75	70.20
08/25/16 10:43:16.0	8.82	8.80	70.45
08/25/16 11:43:16.0	8.93	8.91	70.92
08/25/16 12:43:16.0	9.02	9.00	71.38
08/25/16 13:43:16.0	9.08	9.06	71.92
08/25/16 14:43:16.0	9.09	9.07	72.36
08/25/16 15:43:16.0	9.10	9.08	72.75
08/25/16 16:43:16.0	9.07	9.05	72.93
08/25/16 17:43:16.0	9.06	9.03	73.00
08/25/16 18:43:16.0	8.98	8.95	72.93
08/25/16 19:43:16.0	8.86	8.83	72.75
08/25/16 20:43:16.0	8.77	8.74	72.57
08/25/16 21:43:16.0	8.71	8.68	72.43
08/25/16 22:43:16.0	8.66	8.63	72.28
08/25/16 23:43:16.0	8.68	8.65	72.18
08/26/16 00:43:16.0	8.69	8.66	72.03
08/26/16 01:43:16.0	8.75	8.72	71.92
08/26/16 02:43:16.0	8.74	8.70	71.74
08/26/16 03:43:16.0	8.74	8.70	71.53
08/26/16 04:43:16.0	8.74	8.70	71.20
08/26/16 05:43:16.0	8.75	8.71	70.95
08/26/16 06:43:16.0	8.75	8.71	70.63
08/26/16 07:43:16.0	8.76	8.72	70.34
08/26/16 08:43:16.0	8.77	8.73	70.12
08/26/16 09:43:16.0	8.82	8.78	70.12
08/26/16 10:43:16.0	8.91	8.86	70.45
08/26/16 11:43:16.0	9.01	8.96	70.81
08/26/16 12:43:16.0	9.11	9.06	71.24
08/26/16 13:43:16.0	9.16	9.11	71.71
08/26/16 14:34:43.0	8.79	8.61	72.57

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08/26/16 15:34:43.0	9.21	9.02	72.03
08/26/16 16:34:43.0	9.22	9.03	72.32
08/26/16 17:34:43.0	9.16	8.97	72.25
08/26/16 18:34:43.0	9.11	8.93	72.21
08/26/16 19:34:43.0	9.02	8.84	72.10
08/26/16 20:34:43.0	8.95	8.77	71.96
08/26/16 21:34:43.0	8.89	8.71	71.82
08/26/16 22:34:43.0	8.82	8.64	71.74
08/26/16 23:34:43.0	8.82	8.65	71.67
08/27/16 00:34:43.0	8.81	8.64	71.60
08/27/16 01:34:43.0	8.84	8.67	71.53
08/27/16 02:34:43.0	8.80	8.63	71.35
08/27/16 03:34:43.0	8.84	8.67	71.20
08/27/16 04:34:43.0	8.81	8.64	70.99
08/27/16 05:34:43.0	8.79	8.62	70.81
08/27/16 06:34:43.0	8.79	8.62	70.56
08/27/16 07:34:43.0	8.78	8.61	70.34
08/27/16 08:34:43.0	8.75	8.59	70.20
08/27/16 09:34:43.0	8.79	8.63	70.12
08/27/16 10:34:43.0	8.85	8.69	70.12
08/27/16 11:34:43.0	8.92	8.76	70.30
08/27/16 12:34:43.0	8.98	8.82	70.63
08/27/16 13:34:43.0	9.01	8.85	70.63
08/27/16 14:34:43.0	9.07	8.91	70.99
08/27/16 15:34:43.0	9.03	8.87	71.17
08/27/16 16:34:43.0	9.02	8.86	71.17
08/27/16 17:34:43.0	9.02	8.86	71.28
08/27/16 18:34:43.0	8.96	8.80	71.31
08/27/16 19:34:43.0	8.90	8.74	71.28
08/27/16 20:34:43.0	8.88	8.72	71.20
08/27/16 21:34:43.0	8.81	8.66	71.20
08/27/16 22:34:43.0	8.78	8.63	71.17
08/27/16 23:34:43.0	8.77	8.62	71.17
08/28/16 00:34:43.0	8.79	8.64	71.17
08/28/16 01:34:43.0	8.78	8.63	71.13
08/28/16 02:34:43.0	8.76	8.61	71.02
08/28/16 03:34:43.0	8.75	8.60	70.88
08/28/16 04:34:43.0	8.73	8.58	70.74
08/28/16 05:34:43.0	8.73	8.59	70.56
08/28/16 06:34:43.0	8.70	8.56	70.38
08/28/16 07:34:43.0	8.71	8.57	70.20
08/28/16 08:34:43.0	8.74	8.60	70.09
08/28/16 09:34:43.0	8.77	8.63	70.16
08/28/16 10:34:43.0	8.88	8.74	70.48
08/28/16 11:34:43.0	8.96	8.82	70.92
08/28/16 12:34:43.0	9.04	8.90	71.53
08/28/16 13:34:43.0	9.14	9.00	72.14
08/28/16 14:34:43.0	9.15	9.01	72.64
08/28/16 15:34:43.0	9.15	9.01	73.00
08/28/16 16:34:43.0	9.15	9.01	73.26
08/28/16 17:34:43.0	9.10	8.96	73.44

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08/28/16 18:34:43.0	9.02	8.88	73.40
08/28/16 19:34:43.0	8.92	8.79	73.22
08/28/16 20:34:43.0	8.82	8.69	73.04
08/28/16 21:34:43.0	8.75	8.62	72.86
08/28/16 22:34:43.0	8.71	8.58	72.75
08/28/16 23:34:43.0	8.70	8.57	72.64
08/29/16 00:34:43.0	8.70	8.57	72.57
08/29/16 01:34:43.0	8.71	8.58	72.54
08/29/16 02:34:43.0	8.73	8.61	72.46
08/29/16 03:34:43.0	8.71	8.59	72.39
08/29/16 04:34:43.0	8.71	8.59	72.28
08/29/16 05:34:43.0	8.76	8.64	72.07
08/29/16 06:34:43.0	8.69	8.57	71.89
08/29/16 07:34:43.0	8.67	8.55	71.64
08/29/16 08:34:43.0	8.69	8.57	71.42
08/29/16 09:34:43.0	8.71	8.59	71.28
08/29/16 10:34:43.0	8.76	8.64	71.20
08/29/16 11:34:43.0	8.86	8.74	71.28
08/29/16 12:34:43.0	8.96	8.84	71.60
08/29/16 13:34:43.0	9.02	8.90	71.85
08/29/16 14:34:43.0	9.11	8.99	72.32
08/29/16 15:34:43.0	9.11	8.99	72.75
08/29/16 16:34:43.0	9.10	8.98	73.11
08/29/16 17:34:43.0	9.08	8.97	73.40
08/29/16 18:34:43.0	8.99	8.88	73.44
08/29/16 19:34:43.0	8.90	8.79	73.36
08/29/16 20:34:43.0	8.79	8.68	73.26
08/29/16 21:34:43.0	8.70	8.59	73.11
08/29/16 22:34:43.0	8.63	8.53	72.97
08/29/16 23:34:43.0	8.56	8.46	72.90
08/30/16 00:34:43.0	8.55	8.45	72.86
08/30/16 01:34:43.0	8.53	8.43	72.82
08/30/16 02:34:43.0	8.54	8.44	72.82
08/30/16 03:34:43.0	8.53	8.43	72.86
08/30/16 04:34:43.0	8.52	8.42	72.86
08/30/16 05:34:43.0	8.53	8.43	72.86
08/30/16 06:34:43.0	8.52	8.42	72.82
08/30/16 07:34:43.0	8.53	8.43	72.72
08/30/16 08:34:43.0	8.47	8.38	72.68
08/30/16 09:34:43.0	8.46	8.37	72.68
08/30/16 10:34:43.0	8.54	8.45	72.57
08/30/16 11:34:43.0	8.64	8.55	72.75
08/30/16 12:34:43.0	8.73	8.64	72.93
08/30/16 13:34:43.0	8.80	8.71	73.22
08/30/16 14:34:43.0	8.87	8.78	73.54
08/30/16 15:34:43.0	8.89	8.80	73.76
08/30/16 16:34:43.0	8.89	8.80	73.83
08/30/16 17:34:43.0	8.90	8.81	73.83
08/30/16 18:34:43.0	8.84	8.75	73.80
08/30/16 19:34:43.0	8.76	8.67	73.62
08/30/16 20:34:43.0	8.64	8.56	73.36

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08/30/16 21:34:43.0	8.62	8.54	73.15
08/30/16 22:34:43.0	8.56	8.48	72.86
08/30/16 23:34:43.0	8.47	8.39	72.61
08/31/16 00:34:43.0	8.43	8.35	72.28
08/31/16 01:34:43.0	8.44	8.36	72.00
08/31/16 02:34:43.0	8.47	8.39	71.74
08/31/16 03:34:43.0	8.46	8.38	71.56
08/31/16 04:34:43.0	8.52	8.44	71.42
08/31/16 05:34:43.0	8.53	8.46	71.24
08/31/16 06:34:43.0	8.57	8.50	71.10
08/31/16 07:34:43.0	8.57	8.50	71.02
08/31/16 08:34:43.0	8.57	8.50	70.92
08/31/16 09:34:43.0	8.62	8.55	70.77
08/31/16 10:34:43.0	8.68	8.61	71.13
08/31/16 11:34:43.0	8.76	8.69	71.42
08/31/16 12:34:43.0	8.88	8.81	71.64
08/31/16 13:34:43.0	8.98	8.91	71.89
08/31/16 14:34:43.0	9.02	8.95	72.00
08/31/16 15:34:43.0	8.93	8.86	71.92
08/31/16 16:34:43.0	9.00	8.93	71.89
08/31/16 17:34:43.0	9.01	8.94	71.74
08/31/16 18:34:43.0	8.91	8.84	71.60
08/31/16 19:34:43.0	8.90	8.84	71.42
08/31/16 20:34:43.0	8.87	8.81	71.20
08/31/16 21:34:43.0	8.81	8.75	71.02
08/31/16 22:34:43.0	8.73	8.67	70.81
08/31/16 23:34:43.0	8.67	8.61	70.66
09/01/16 00:34:43.0	8.64	8.58	70.52
09/01/16 01:34:43.0	8.64	8.58	70.48
09/01/16 02:34:43.0	8.64	8.58	70.45
09/01/16 03:34:43.0	8.65	8.59	70.45
09/01/16 04:34:43.0	8.67	8.62	70.38
09/01/16 05:34:43.0	8.68	8.63	70.34
09/01/16 06:34:43.0	8.71	8.66	70.34
09/01/16 07:34:43.0	8.71	8.66	70.27
09/01/16 08:34:43.0	8.73	8.68	70.27
09/01/16 09:34:43.0	8.71	8.66	70.23
09/01/16 10:34:43.0	8.77	8.72	70.41
09/01/16 11:34:43.0	8.77	8.72	70.52
09/01/16 12:34:43.0	8.89	8.84	70.63
09/01/16 13:34:43.0	8.95	8.90	70.84
09/01/16 14:34:43.0	9.06	9.01	71.17
09/01/16 15:34:43.0	9.09	9.04	71.28
09/01/16 16:34:43.0	9.10	9.05	71.46
09/01/16 17:34:43.0	9.10	9.06	71.60
09/01/16 18:34:43.0	9.09	9.05	71.53
09/01/16 19:34:43.0	9.01	8.97	71.28
09/01/16 20:34:43.0	8.93	8.89	70.99
09/01/16 21:34:43.0	8.88	8.84	70.70
09/01/16 22:34:43.0	8.82	8.78	70.41
09/01/16 23:34:43.0	8.74	8.70	70.16

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09/02/16 00:34:43.0	8.71	8.67	69.94
09/02/16 01:34:43.0	8.76	8.72	69.84
09/02/16 02:34:43.0	8.75	8.72	69.73
09/02/16 03:34:43.0	8.77	8.74	69.62
09/02/16 04:34:43.0	8.79	8.76	69.51
09/02/16 05:34:43.0	8.81	8.78	69.48
09/02/16 06:34:43.0	8.80	8.77	69.44
09/02/16 07:34:43.0	8.81	8.78	69.37
09/02/16 08:34:43.0	8.82	8.79	69.33
09/02/16 09:34:40.0	9.22	8.74	67.35
09/02/16 10:34:40.0	8.93	8.47	69.73
09/02/16 11:34:40.0	9.01	8.54	70.02
09/02/16 12:34:40.0	9.15	8.68	70.41
09/02/16 13:34:40.0	9.25	8.78	70.84
09/02/16 14:34:40.0	9.29	8.82	71.20
09/02/16 15:34:40.0	9.31	8.84	71.67
09/02/16 16:34:40.0	9.30	8.83	71.96
09/02/16 17:34:40.0	9.25	8.78	72.14
09/02/16 18:34:40.0	9.18	8.72	72.07
09/02/16 19:34:40.0	9.10	8.64	71.82
09/02/16 20:34:40.0	9.01	8.56	71.53
09/02/16 21:34:40.0	8.89	8.45	71.24
09/02/16 22:34:40.0	8.82	8.38	70.92
09/02/16 23:34:40.0	8.75	8.32	70.66
09/03/16 00:34:40.0	8.71	8.28	70.52
09/03/16 01:34:40.0	8.69	8.27	70.45
09/03/16 02:34:40.0	8.71	8.29	70.41
09/03/16 03:34:40.0	8.70	8.28	70.34
09/03/16 04:34:40.0	8.73	8.31	70.30
09/03/16 05:34:40.0	8.75	8.33	70.30
09/03/16 06:34:40.0	8.78	8.36	70.30
09/03/16 07:34:40.0	8.78	8.36	70.30
09/03/16 08:34:40.0	8.77	8.35	70.27
09/03/16 09:34:40.0	8.81	8.39	70.34
09/03/16 10:34:40.0	8.86	8.44	70.63
09/03/16 11:34:40.0	8.97	8.55	70.84
09/03/16 12:34:40.0	9.09	8.67	71.13
09/03/16 13:34:40.0	9.14	8.72	71.49
09/03/16 14:34:40.0	9.22	8.79	71.85
09/03/16 15:34:40.0	9.23	8.80	72.21
09/03/16 16:34:40.0	9.24	8.82	72.36
09/03/16 17:34:40.0	9.19	8.77	72.39
09/03/16 18:34:40.0	9.13	8.71	72.25
09/03/16 19:34:40.0	9.06	8.65	72.00
09/03/16 20:34:40.0	8.97	8.57	71.74
09/03/16 21:34:40.0	8.87	8.47	71.46
09/03/16 22:34:40.0	8.78	8.39	71.20
09/03/16 23:34:40.0	8.71	8.32	70.99
09/04/16 00:34:40.0	8.66	8.28	70.81
09/04/16 01:34:40.0	8.65	8.27	70.70
09/04/16 02:34:40.0	8.69	8.31	70.63

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09/04/16 03:34:40.0	8.69	8.31	70.52
09/04/16 04:34:40.0	8.68	8.30	70.45
09/04/16 05:34:40.0	8.70	8.32	70.48
09/04/16 06:34:40.0	8.76	8.38	70.45
09/04/16 07:34:40.0	8.76	8.38	70.41
09/04/16 08:34:40.0	8.78	8.41	70.38
09/04/16 09:34:40.0	8.77	8.40	70.38
09/04/16 10:34:40.0	8.81	8.44	70.56
09/04/16 11:34:40.0	8.92	8.54	70.77
09/04/16 12:34:40.0	8.98	8.60	70.99
09/04/16 13:34:40.0	9.11	8.73	71.35
09/04/16 14:34:40.0	9.15	8.77	71.56
09/04/16 15:34:40.0	9.18	8.80	71.60
09/04/16 16:34:40.0	9.19	8.81	71.60
09/04/16 17:34:40.0	9.18	8.80	71.71
09/04/16 18:34:40.0	9.13	8.76	71.78
09/04/16 19:34:40.0	9.04	8.67	71.56
09/04/16 20:34:40.0	8.93	8.57	71.28
09/04/16 21:34:40.0	8.86	8.50	70.95
09/04/16 22:34:40.0	8.79	8.44	70.66
09/04/16 23:34:40.0	8.71	8.36	70.45
09/05/16 00:34:40.0	8.68	8.34	70.38
09/05/16 01:34:40.0	8.69	8.35	70.30
09/05/16 02:34:40.0	8.67	8.33	70.30
09/05/16 03:34:40.0	8.68	8.34	70.30
09/05/16 04:34:40.0	8.68	8.34	70.27
09/05/16 05:34:40.0	8.70	8.37	70.20
09/05/16 06:34:40.0	8.70	8.37	70.16
09/05/16 07:34:40.0	8.71	8.38	70.16
09/05/16 08:34:40.0	8.71	8.38	70.12
09/05/16 09:34:40.0	8.71	8.38	70.12
09/05/16 10:34:40.0	8.78	8.45	70.27
09/05/16 11:34:40.0	8.84	8.51	70.56
09/05/16 12:34:40.0	8.93	8.60	70.77
09/05/16 13:34:40.0	9.01	8.68	71.02
09/05/16 14:34:40.0	9.07	8.74	71.42
09/05/16 15:34:40.0	9.12	8.79	71.78
09/05/16 16:34:40.0	9.15	8.82	72.10
09/05/16 17:34:40.0	9.08	8.75	72.14
09/05/16 18:34:40.0	8.98	8.66	72.07
09/05/16 19:34:40.0	8.86	8.54	71.89
09/05/16 20:34:40.0	8.76	8.45	71.67
09/05/16 21:34:40.0	8.70	8.39	71.42
09/05/16 22:34:40.0	8.60	8.30	71.20
09/05/16 23:34:40.0	8.54	8.24	71.10
09/06/16 00:34:40.0	8.53	8.23	71.06
09/06/16 01:34:40.0	8.49	8.20	71.13
09/06/16 02:34:40.0	8.46	8.17	71.17
09/06/16 03:34:40.0	8.48	8.19	71.17
09/06/16 04:34:40.0	8.49	8.20	71.24
09/06/16 05:34:40.0	8.49	8.20	71.31

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09/06/16 06:34:40.0	8.51	8.22	71.35
09/06/16 07:34:40.0	8.51	8.23	71.38
09/06/16 08:34:40.0	8.53	8.25	71.35
09/06/16 09:34:40.0	8.53	8.25	71.31
09/06/16 10:34:40.0	8.49	8.21	71.28
09/06/16 11:34:40.0	8.52	8.24	71.20
09/06/16 12:34:40.0	8.56	8.28	71.17
09/06/16 13:34:40.0	8.63	8.35	71.02
09/06/16 14:34:40.0	8.69	8.41	70.95
09/06/16 15:34:40.0	8.74	8.46	70.88
09/06/16 16:34:40.0	8.80	8.52	70.99
09/06/16 17:34:40.0	8.80	8.52	70.92
09/06/16 18:34:40.0	8.78	8.51	70.84
09/06/16 19:34:40.0	8.70	8.43	70.81
09/06/16 20:34:40.0	8.65	8.38	70.77
09/06/16 21:34:40.0	8.60	8.34	70.74
09/06/16 22:34:40.0	8.64	8.38	70.66
09/06/16 23:34:40.0	8.63	8.37	70.63
09/07/16 00:34:40.0	8.66	8.40	70.59
09/07/16 01:34:40.0	8.66	8.40	70.59
09/07/16 02:34:40.0	8.66	8.40	70.52
09/07/16 03:34:40.0	8.65	8.40	70.48
09/07/16 04:34:40.0	8.65	8.40	70.38
09/07/16 05:34:40.0	8.63	8.38	70.27
09/07/16 06:34:40.0	8.64	8.39	70.12
09/07/16 07:34:40.0	8.63	8.38	70.02
09/07/16 08:34:40.0	8.64	8.40	69.98
09/07/16 09:34:40.0	8.64	8.40	69.94
09/07/16 10:34:40.0	8.67	8.43	69.98
09/07/16 11:34:40.0	8.70	8.46	70.05
09/07/16 12:34:40.0	8.74	8.50	70.12
09/07/16 13:34:40.0	8.75	8.51	70.20
09/07/16 14:34:40.0	8.78	8.54	70.30
09/07/16 15:34:40.0	8.79	8.55	70.30
09/07/16 16:34:40.0	8.81	8.57	70.45
09/07/16 17:34:40.0	8.82	8.59	70.48
09/07/16 18:34:40.0	8.81	8.58	70.48
09/07/16 19:34:40.0	8.77	8.54	70.45
09/07/16 20:34:40.0	8.75	8.52	70.41
09/07/16 21:34:40.0	8.71	8.49	70.38
09/07/16 22:34:40.0	8.71	8.49	70.34
09/07/16 23:34:40.0	8.71	8.49	70.30
09/08/16 00:34:40.0	8.71	8.49	70.27
09/08/16 01:34:40.0	8.73	8.51	70.23
09/08/16 02:34:40.0	8.71	8.49	70.16
09/08/16 03:34:40.0	8.69	8.48	70.12
09/08/16 04:34:40.0	8.68	8.47	70.05
09/08/16 05:34:40.0	8.70	8.49	69.98
09/08/16 06:34:40.0	8.67	8.46	69.91
09/08/16 07:34:40.0	8.70	8.49	69.84
09/08/16 08:34:40.0	8.75	8.54	69.84

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09/08/16 09:34:40.0	8.81	8.60	69.94
09/08/16 10:34:40.0	8.89	8.68	70.09
09/08/16 11:34:40.0	8.96	8.75	70.38
09/08/16 12:34:40.0	9.03	8.82	70.81
09/08/16 13:34:40.0	9.08	8.88	71.10
09/08/16 14:34:40.0	9.06	8.86	71.49
09/08/16 15:34:40.0	9.06	8.86	71.74
09/08/16 16:34:40.0	9.06	8.86	71.89
09/08/16 17:34:40.0	9.02	8.82	71.89
09/08/16 18:34:40.0	8.99	8.80	71.71
09/08/16 19:34:40.0	8.95	8.76	71.53
09/08/16 20:34:40.0	8.91	8.72	71.35
09/08/16 21:34:40.0	8.92	8.73	71.06
09/08/16 22:34:40.0	8.91	8.73	70.77
09/08/16 23:34:40.0	8.96	8.78	70.45
09/09/16 00:34:40.0	8.93	8.75	70.16
09/09/16 01:34:40.0	8.97	8.79	69.84
09/09/16 02:34:40.0	8.98	8.80	69.55
09/09/16 03:34:40.0	9.01	8.83	69.26
09/09/16 04:34:40.0	9.02	8.84	69.08
09/09/16 05:34:40.0	9.04	8.87	68.94
09/09/16 06:34:40.0	9.06	8.89	68.79
09/09/16 07:34:40.0	9.08	8.91	68.72
09/09/16 08:34:40.0	9.08	8.91	68.76
09/09/16 08:52:04.0	9.15	8.93	66.92
09/09/16 09:52:04.0	9.13	8.91	68.94
09/09/16 10:52:04.0	9.14	8.92	69.01
09/09/16 11:52:04.0	9.12	8.90	69.08
09/09/16 12:52:04.0	9.15	8.93	69.19
09/09/16 13:52:04.0	9.15	8.93	69.26
09/09/16 14:52:04.0	9.15	8.93	69.44
09/09/16 15:52:04.0	9.18	8.96	69.55
09/09/16 16:52:04.0	9.16	8.94	69.66
09/09/16 17:52:04.0	9.14	8.92	69.69
09/09/16 18:52:04.0	9.12	8.90	69.66
09/09/16 19:52:04.0	9.07	8.85	69.55
09/09/16 20:52:04.0	9.04	8.82	69.44
09/09/16 21:52:04.0	9.04	8.82	69.37
09/09/16 22:52:04.0	9.03	8.81	69.30
09/09/16 23:52:04.0	9.01	8.79	69.22
09/10/16 00:52:04.0	9.02	8.80	69.12
09/10/16 01:52:04.0	9.04	8.82	69.04
09/10/16 02:52:04.0	9.03	8.81	68.94
09/10/16 03:52:04.0	9.01	8.79	68.83
09/10/16 04:52:04.0	9.02	8.79	68.76
09/10/16 05:52:04.0	9.00	8.77	68.72
09/10/16 06:52:04.0	9.00	8.77	68.68
09/10/16 07:52:04.0	9.01	8.78	68.65
09/10/16 08:52:04.0	9.01	8.78	68.58
09/10/16 09:52:04.0	9.02	8.79	68.54
09/10/16 10:52:04.0	9.00	8.77	68.47

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09/10/16 11:52:04.0	9.02	8.79	68.47
09/10/16 12:52:04.0	9.03	8.80	68.50
09/10/16 13:52:04.0	9.08	8.85	68.54
09/10/16 14:52:04.0	9.13	8.90	68.65
09/10/16 15:52:04.0	9.16	8.93	68.65
09/10/16 16:52:04.0	9.19	8.96	68.61
09/10/16 17:52:04.0	9.19	8.95	68.58
09/10/16 18:52:04.0	9.15	8.92	68.36
09/10/16 19:52:04.0	9.14	8.91	68.14
09/10/16 20:52:04.0	9.10	8.87	67.96
09/10/16 21:52:04.0	9.10	8.87	67.78
09/10/16 22:52:04.0	9.12	8.88	67.64
09/10/16 23:52:04.0	9.13	8.89	67.46
09/11/16 00:52:04.0	9.12	8.88	67.28
09/11/16 01:52:04.0	9.16	8.92	67.10
09/11/16 02:52:04.0	9.18	8.94	66.88
09/11/16 03:52:04.0	9.18	8.94	66.70
09/11/16 04:52:04.0	9.16	8.92	66.52
09/11/16 05:52:04.0	9.18	8.94	66.34
09/11/16 06:52:04.0	9.19	8.95	66.20
09/11/16 07:52:04.0	9.22	8.98	66.16
09/11/16 08:52:04.0	9.25	9.01	66.24
09/11/16 09:52:04.0	9.31	9.06	66.52
09/11/16 10:52:04.0	9.38	9.13	66.92
09/11/16 11:52:04.0	9.42	9.17	67.42
09/11/16 12:52:04.0	9.44	9.19	67.93
09/11/16 13:52:04.0	9.45	9.20	68.25
09/11/16 14:52:04.0	9.42	9.17	68.58
09/11/16 15:52:04.0	9.40	9.15	68.86
09/11/16 16:52:04.0	9.36	9.11	69.15
09/11/16 17:52:04.0	9.29	9.04	69.12
09/11/16 18:52:04.0	9.23	8.98	69.04
09/11/16 19:52:04.0	9.16	8.91	68.94
09/11/16 20:52:04.0	9.11	8.87	68.79
09/11/16 21:52:04.0	9.09	8.85	68.65
09/11/16 22:52:04.0	9.09	8.84	68.40
09/11/16 23:52:04.0	9.07	8.82	68.14
09/12/16 00:52:04.0	9.09	8.84	67.89
09/12/16 01:52:04.0	9.10	8.85	67.60
09/12/16 02:52:04.0	9.10	8.85	67.28
09/12/16 03:52:04.0	9.09	8.84	66.99
09/12/16 04:52:04.0	9.12	8.87	66.70
09/12/16 05:52:04.0	9.14	8.89	66.45
09/12/16 06:52:04.0	9.14	8.89	66.24
09/12/16 07:52:04.0	9.19	8.94	66.09
09/12/16 08:52:04.0	9.20	8.95	66.06
09/12/16 09:52:04.0	9.26	9.01	66.24
09/12/16 10:52:04.0	9.35	9.09	66.67
09/12/16 11:52:04.0	9.40	9.14	67.10
09/12/16 12:52:04.0	9.45	9.19	67.53
09/12/16 13:52:04.0	9.49	9.23	67.89

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09/12/16 14:52:04.0	9.49	9.23	68.25
09/12/16 15:52:04.0	9.45	9.19	68.43
09/12/16 16:52:04.0	9.41	9.15	68.54
09/12/16 17:52:04.0	9.35	9.09	68.58
09/12/16 18:52:04.0	9.29	9.03	68.54
09/12/16 19:52:04.0	9.22	8.96	68.43
09/12/16 20:52:04.0	9.19	8.93	68.36
09/12/16 21:52:04.0	9.15	8.89	68.25
09/12/16 22:52:04.0	9.16	8.90	68.11
09/12/16 23:52:04.0	9.16	8.90	67.89
09/13/16 00:52:04.0	9.16	8.90	67.68
09/13/16 01:52:04.0	9.21	8.95	67.39
09/13/16 02:52:04.0	9.19	8.93	67.17
09/13/16 03:52:04.0	9.22	8.96	66.96
09/13/16 04:52:04.0	9.23	8.97	66.81
09/13/16 05:52:04.0	9.22	8.96	66.70
09/13/16 06:52:04.0	9.23	8.97	66.67
09/13/16 07:52:04.0	9.21	8.95	66.63
09/13/16 08:52:04.0	9.25	8.99	66.67
09/13/16 09:52:04.0	9.27	9.00	66.63
09/13/16 10:52:04.0	9.31	9.04	66.67
09/13/16 11:52:04.0	9.36	9.09	66.78
09/13/16 12:52:04.0	9.43	9.16	67.06
09/13/16 13:52:04.0	9.45	9.18	67.21
09/13/16 14:52:04.0	9.44	9.17	67.32
09/13/16 15:52:04.0	9.44	9.17	67.42
09/13/16 16:52:04.0	9.43	9.16	67.46
09/13/16 17:52:04.0	9.40	9.13	67.42
09/13/16 18:52:04.0	9.35	9.08	67.35
09/13/16 19:52:04.0	9.32	9.05	67.28
09/13/16 20:52:04.0	9.30	9.03	67.21
09/13/16 21:52:04.0	9.30	9.03	67.06
09/13/16 22:52:04.0	9.26	8.99	66.88
09/13/16 23:52:04.0	9.29	9.02	66.67
09/14/16 00:52:04.0	9.31	9.04	66.42
09/14/16 01:52:04.0	9.30	9.03	66.20
09/14/16 02:52:04.0	9.32	9.05	65.95
09/14/16 03:52:04.0	9.33	9.05	65.66
09/14/16 04:52:04.0	9.33	9.05	65.48
09/14/16 05:52:04.0	9.34	9.06	65.30
09/14/16 06:52:04.0	9.36	9.08	65.16
09/14/16 07:52:04.0	9.38	9.10	65.12
09/14/16 08:52:04.0	9.40	9.12	65.16
09/14/16 09:52:04.0	9.46	9.18	65.44
09/14/16 10:52:04.0	9.51	9.23	65.91
09/14/16 11:52:04.0	9.54	9.25	66.27
09/14/16 12:52:04.0	9.54	9.25	66.60
09/14/16 13:52:04.0	9.56	9.27	67.10
09/14/16 14:52:04.0	9.53	9.24	67.14
09/14/16 15:52:04.0	9.51	9.22	67.60
09/14/16 16:52:04.0	9.48	9.19	67.89

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09/14/16 17:52:04.0	9.38	9.10	67.96
09/14/16 18:52:04.0	9.31	9.03	67.86
09/14/16 19:52:04.0	9.21	8.93	67.68
09/14/16 20:52:04.0	9.16	8.88	67.50
09/14/16 21:52:04.0	9.15	8.87	67.39
09/14/16 22:52:04.0	9.15	8.87	67.32
09/14/16 23:52:04.0	9.14	8.86	67.21
09/15/16 00:52:04.0	9.16	8.88	67.03
09/15/16 01:52:04.0	9.16	8.88	66.85
09/15/16 02:52:04.0	9.16	8.88	66.56
09/15/16 03:52:04.0	9.19	8.91	66.24
09/15/16 04:52:04.0	9.20	8.92	65.88
09/15/16 05:52:04.0	9.20	8.92	65.55
09/15/16 06:52:04.0	9.21	8.93	65.30
09/15/16 07:52:04.0	9.21	8.93	65.19
09/15/16 08:52:04.0	9.25	8.96	65.23
09/15/16 09:52:04.0	9.30	9.01	65.37
09/15/16 10:52:04.0	9.34	9.05	65.70
09/15/16 11:52:04.0	9.43	9.14	66.09
09/15/16 12:52:04.0	9.44	9.15	66.45
09/15/16 13:52:04.0	9.43	9.14	66.81
09/15/16 14:52:04.0	9.41	9.12	67.03
09/15/16 15:52:04.0	9.40	9.11	67.24
09/15/16 16:52:04.0	9.35	9.06	67.53
09/15/16 17:52:04.0	9.31	9.02	67.60
09/15/16 18:52:04.0	9.22	8.93	67.57
09/15/16 19:52:04.0	9.18	8.89	67.57
09/15/16 20:52:04.0	9.12	8.83	67.57
09/15/16 21:52:04.0	9.11	8.82	67.53
09/15/16 22:52:04.0	9.09	8.80	67.53
09/15/16 23:52:04.0	9.07	8.78	67.46
09/16/16 00:52:04.0	9.06	8.77	67.28
09/16/16 01:52:04.0	9.09	8.80	67.06
09/16/16 02:52:04.0	9.08	8.79	66.85
09/16/16 03:52:04.0	9.08	8.79	66.60
09/16/16 04:52:04.0	9.09	8.80	66.38
09/16/16 05:52:04.0	9.10	8.81	66.16
09/16/16 06:52:04.0	9.07	8.78	66.02
09/16/16 07:52:04.0	9.09	8.80	65.88
09/16/16 08:52:04.0	9.08	8.79	65.80
09/16/16 09:52:04.0	9.09	8.80	65.80
09/16/16 10:52:04.0	9.11	8.82	65.77
09/16/16 11:52:04.0	9.12	8.83	65.80
09/16/16 12:52:04.0	9.13	8.84	65.80
09/16/16 13:52:04.0	9.11	8.82	65.84
09/16/16 14:52:04.0	9.14	8.84	65.84
09/16/16 15:52:04.0	9.18	8.88	65.95
09/16/16 16:52:04.0	9.21	8.91	66.06
09/16/16 17:52:04.0	9.25	8.95	66.16
09/16/16 18:52:04.0	9.29	8.99	66.16
09/16/16 19:52:04.0	9.26	8.96	66.13

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09/16/16 20:52:04.0	9.21	8.91	66.13
09/16/16 21:52:04.0	9.20	8.90	66.09
09/16/16 22:52:04.0	9.22	8.92	66.09
09/16/16 23:52:04.0	9.20	8.90	66.06
09/17/16 00:52:04.0	9.19	8.89	66.06
09/17/16 01:52:04.0	9.20	8.90	65.98
09/17/16 02:52:04.0	9.22	8.92	65.91
09/17/16 03:52:04.0	9.22	8.92	65.77
09/17/16 04:52:04.0	9.25	8.95	65.62
09/17/16 05:52:04.0	9.24	8.93	65.52
09/17/16 06:52:04.0	9.25	8.94	65.44
09/17/16 07:52:04.0	9.27	8.96	65.37
09/17/16 08:52:04.0	9.31	9.00	65.34
09/17/16 09:52:04.0	9.37	9.06	65.44
09/17/16 10:52:04.0	9.44	9.13	65.80
09/17/16 11:52:04.0	9.46	9.14	66.20
09/17/16 12:52:04.0	9.47	9.15	66.45
09/17/16 13:52:04.0	9.47	9.15	66.88
09/17/16 14:52:04.0	9.42	9.10	66.99
09/17/16 15:52:04.0	9.41	9.09	67.21
09/17/16 16:52:04.0	9.40	9.08	67.28
09/17/16 17:52:04.0	9.36	9.05	67.24
09/17/16 18:52:04.0	9.34	9.03	67.14
09/17/16 19:52:04.0	9.30	8.99	66.99
09/17/16 20:52:04.0	9.30	8.99	66.85
09/17/16 21:52:04.0	9.30	8.99	66.70
09/17/16 22:52:04.0	9.34	9.02	66.45
09/17/16 23:52:04.0	9.34	9.02	66.20
09/18/16 00:52:04.0	9.38	9.06	66.02
09/18/16 01:52:04.0	9.38	9.06	65.80
09/18/16 02:52:04.0	9.38	9.06	65.62
09/18/16 03:52:04.0	9.41	9.09	65.41
09/18/16 04:52:04.0	9.42	9.10	65.19
09/18/16 05:52:04.0	9.44	9.12	65.08
09/18/16 06:52:04.0	9.45	9.13	64.94
09/18/16 07:52:04.0	9.45	9.13	64.87
09/18/16 08:52:04.0	9.49	9.16	64.90
09/18/16 09:52:04.0	9.51	9.18	65.08
09/18/16 10:52:04.0	9.54	9.21	65.44
09/18/16 11:52:04.0	9.56	9.23	65.88
09/18/16 12:52:04.0	9.58	9.25	66.31
09/18/16 13:52:04.0	9.56	9.23	66.56
09/18/16 14:52:04.0	9.54	9.21	66.96
09/18/16 15:52:04.0	9.53	9.20	67.14
09/18/16 16:20:56.0	9.30	9.18	68.40
09/18/16 17:20:56.0	9.45	9.33	67.28
09/18/16 18:20:56.0	9.36	9.24	67.17
09/18/16 19:20:56.0	9.30	9.18	67.06
09/18/16 20:20:56.0	9.23	9.11	66.92
09/18/16 21:20:56.0	9.25	9.13	66.85
09/18/16 22:20:56.0	9.25	9.13	66.70

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09/18/16 23:20:56.0	9.26	9.14	66.52
09/19/16 00:20:56.0	9.25	9.13	66.38
09/19/16 01:20:56.0	9.25	9.13	66.16
09/19/16 02:20:56.0	9.25	9.13	65.95
09/19/16 03:20:56.0	9.24	9.12	65.73
09/19/16 04:20:56.0	9.22	9.10	65.52
09/19/16 05:20:56.0	9.23	9.11	65.34
09/19/16 06:20:56.0	9.25	9.13	65.16
09/19/16 07:20:56.0	9.24	9.12	65.01
09/19/16 08:20:56.0	9.27	9.15	64.98
09/19/16 09:20:56.0	9.31	9.18	65.08
09/19/16 10:20:56.0	9.34	9.21	65.41
09/19/16 11:20:56.0	9.38	9.25	65.73
09/19/16 12:20:56.0	9.38	9.25	65.77
09/19/16 13:20:56.0	9.35	9.22	65.73
09/19/16 14:20:56.0	9.36	9.23	65.70
09/19/16 15:20:56.0	9.43	9.30	66.13
09/19/16 16:20:56.0	9.40	9.27	66.38
09/19/16 17:20:56.0	9.38	9.25	66.45
09/19/16 18:20:56.0	9.35	9.22	66.34
09/19/16 19:20:56.0	9.30	9.17	66.16
09/19/16 20:20:56.0	9.27	9.14	66.06
09/19/16 21:20:56.0	9.30	9.17	65.88
09/19/16 22:20:56.0	9.29	9.16	65.70
09/19/16 23:20:56.0	9.29	9.16	65.55
09/20/16 00:20:56.0	9.30	9.17	65.41
09/20/16 01:20:56.0	9.32	9.19	65.26
09/20/16 02:20:56.0	9.31	9.18	65.08
09/20/16 03:20:56.0	9.34	9.21	64.87
09/20/16 04:20:56.0	9.37	9.24	64.65
09/20/16 05:20:56.0	9.35	9.22	64.47
09/20/16 06:20:56.0	9.36	9.23	64.33
09/20/16 07:20:56.0	9.37	9.24	64.18
09/20/16 08:20:56.0	9.38	9.25	64.15
09/20/16 09:20:56.0	9.37	9.24	64.18
09/20/16 10:20:56.0	9.42	9.28	64.54
09/20/16 11:20:56.0	9.45	9.31	64.90
09/20/16 12:20:56.0	9.48	9.34	65.41
09/20/16 13:20:56.0	9.45	9.31	65.66
09/20/16 14:20:56.0	9.45	9.31	65.91
09/20/16 15:20:56.0	9.38	9.24	66.02
09/20/16 16:20:56.0	9.36	9.22	66.16
09/20/16 17:20:56.0	9.35	9.21	66.45
09/20/16 18:20:56.0	9.30	9.16	66.45
09/20/16 19:20:56.0	9.24	9.10	66.49
09/20/16 20:20:56.0	9.21	9.07	66.52
09/20/16 21:20:56.0	9.19	9.05	66.52
09/20/16 22:20:56.0	9.16	9.02	66.42
09/20/16 23:20:56.0	9.19	9.05	66.31
09/21/16 00:20:56.0	9.20	9.06	66.13
09/21/16 01:20:56.0	9.20	9.06	65.91

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09/21/16 02:20:56.0	9.23	9.09	65.70
09/21/16 03:20:56.0	9.22	9.08	65.48
09/21/16 04:20:56.0	9.20	9.06	65.30
09/21/16 05:20:56.0	9.24	9.10	65.08
09/21/16 06:20:56.0	9.25	9.11	64.94
09/21/16 07:20:56.0	9.25	9.11	64.87
09/21/16 08:20:56.0	9.25	9.11	64.83
09/21/16 09:20:56.0	9.26	9.12	64.90
09/21/16 10:20:56.0	9.30	9.16	65.16
09/21/16 11:20:56.0	9.36	9.22	65.55
09/21/16 12:20:56.0	9.43	9.29	66.06
09/21/16 13:20:56.0	9.46	9.31	66.49
09/21/16 14:20:56.0	9.51	9.36	66.85
09/21/16 15:20:56.0	9.44	9.29	66.96
09/21/16 16:20:56.0	9.35	9.21	66.96
09/21/16 17:20:56.0	9.25	9.11	66.92
09/21/16 18:20:56.0	9.16	9.02	66.81
09/21/16 19:20:56.0	9.13	8.99	66.78
09/21/16 20:20:56.0	9.09	8.95	66.67
09/21/16 21:20:56.0	9.10	8.96	66.63
09/21/16 22:20:56.0	9.12	8.98	66.60
09/21/16 23:20:56.0	9.11	8.97	66.56
09/22/16 00:20:56.0	9.11	8.97	66.45
09/22/16 01:20:56.0	9.13	8.99	66.31
09/22/16 02:20:56.0	9.11	8.97	66.09
09/22/16 03:20:56.0	9.13	8.99	65.84
09/22/16 04:20:56.0	9.15	9.00	65.55
09/22/16 05:20:56.0	9.14	8.99	65.30
09/22/16 06:20:56.0	9.14	8.99	65.08
09/22/16 07:20:56.0	9.19	9.04	64.90
09/22/16 08:20:56.0	9.18	9.03	64.83
09/22/16 09:20:56.0	9.18	9.03	64.83
09/22/16 10:20:56.0	9.22	9.07	64.94
09/22/16 11:20:56.0	9.25	9.10	65.16
09/22/16 12:20:56.0	9.30	9.15	65.66
09/22/16 13:20:56.0	9.30	9.15	66.06
09/22/16 14:20:56.0	9.31	9.16	66.34
09/22/16 15:20:56.0	9.30	9.15	66.67
09/22/16 16:20:56.0	9.24	9.09	66.67
09/22/16 17:20:56.0	9.18	9.03	66.60
09/22/16 18:20:56.0	9.14	8.99	66.52
09/22/16 19:20:56.0	9.07	8.92	66.52
09/22/16 20:20:56.0	9.04	8.89	66.49
09/22/16 21:20:56.0	9.04	8.89	66.38
09/22/16 22:20:56.0	9.04	8.89	66.34
09/22/16 23:20:56.0	9.09	8.94	66.34
09/23/16 00:20:56.0	9.10	8.95	66.31
09/23/16 01:20:56.0	9.12	8.97	66.27
09/23/16 02:20:56.0	9.18	9.03	66.16
09/23/16 03:20:56.0	9.15	9.00	65.98
09/23/16 04:20:56.0	9.15	9.00	65.80

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09/23/16 05:20:56.0	9.18	9.03	65.52
09/23/16 06:20:56.0	9.16	9.01	65.23
09/23/16 07:20:56.0	9.20	9.05	64.98
09/23/16 08:20:56.0	9.22	9.06	64.72
09/23/16 09:20:56.0	9.25	9.09	64.58
09/23/16 10:20:56.0	9.32	9.16	64.83
09/23/16 11:20:56.0	9.40	9.24	65.16
09/23/16 12:20:56.0	9.46	9.30	65.55
09/23/16 13:20:56.0	9.53	9.37	66.06
09/23/16 14:20:56.0	9.52	9.36	66.42
09/23/16 15:20:56.0	9.49	9.33	66.78
09/23/16 16:20:56.0	9.49	9.33	66.99
09/23/16 17:20:56.0	9.40	9.24	66.92
09/23/16 18:20:56.0	9.34	9.18	66.70
09/23/16 19:20:56.0	9.29	9.13	66.52
09/23/16 20:20:56.0	9.25	9.09	66.38
09/23/16 21:20:56.0	9.24	9.08	66.31
09/23/16 22:20:56.0	9.23	9.07	66.27
09/23/16 23:20:56.0	9.23	9.07	66.24
09/24/16 00:20:56.0	9.20	9.04	66.16
09/24/16 01:20:56.0	9.22	9.06	66.02
09/24/16 02:20:56.0	9.25	9.09	65.84
09/24/16 03:20:56.0	9.23	9.07	65.62
09/24/16 04:20:56.0	9.26	9.10	65.30
09/24/16 05:20:56.0	9.29	9.13	65.01
09/24/16 06:20:56.0	9.26	9.10	64.69
09/24/16 07:20:56.0	9.27	9.11	64.40
09/24/16 08:20:56.0	9.33	9.16	64.18
09/24/16 09:20:56.0	9.36	9.19	64.11
09/24/16 10:20:56.0	9.40	9.23	64.18
09/24/16 11:20:56.0	9.46	9.29	64.58
09/24/16 12:20:56.0	9.52	9.35	65.08
09/24/16 13:20:56.0	9.55	9.38	65.59
09/24/16 14:20:56.0	9.58	9.41	66.02
09/24/16 15:20:56.0	9.55	9.38	66.42
09/24/16 16:20:56.0	9.52	9.35	66.56
09/24/16 17:20:56.0	9.46	9.29	66.49
09/24/16 18:20:56.0	9.38	9.21	66.31
09/24/16 19:20:56.0	9.33	9.16	66.13
09/24/16 20:20:56.0	9.27	9.10	66.02
09/24/16 21:20:56.0	9.25	9.08	65.98
09/24/16 22:20:56.0	9.24	9.07	65.98
09/24/16 23:20:56.0	9.24	9.07	65.98
09/25/16 00:20:56.0	9.24	9.07	65.95
09/25/16 01:20:56.0	9.22	9.05	65.88
09/25/16 02:20:56.0	9.25	9.08	65.73
09/25/16 03:20:56.0	9.24	9.07	65.59
09/25/16 04:20:56.0	9.23	9.06	65.37
09/25/16 05:20:56.0	9.24	9.07	65.16
09/25/16 06:20:56.0	9.23	9.06	64.90
09/25/16 07:20:56.0	9.26	9.09	64.69

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09/25/16 08:20:56.0	9.27	9.10	64.54
09/25/16 09:20:56.0	9.27	9.10	64.51
09/25/16 10:20:56.0	9.29	9.12	64.47
09/25/16 11:20:56.0	9.30	9.13	64.54
09/25/16 12:20:56.0	9.30	9.13	64.62
09/25/16 13:20:56.0	9.27	9.10	64.65
09/25/16 14:20:56.0	9.29	9.12	64.69
09/25/16 15:20:56.0	9.26	9.09	64.83
09/25/16 16:20:56.0	9.23	9.06	64.87
09/25/16 17:20:56.0	9.23	9.06	64.87
09/25/16 18:20:56.0	9.21	9.04	64.90
09/25/16 19:20:56.0	9.22	9.05	64.87
09/25/16 20:20:56.0	9.23	9.05	64.87
09/25/16 21:20:56.0	9.24	9.06	64.87
09/25/16 22:20:56.0	9.24	9.06	64.83
09/25/16 23:20:56.0	9.24	9.06	64.80
09/26/16 00:20:56.0	9.25	9.07	64.69
09/26/16 01:20:56.0	9.27	9.09	64.54
09/26/16 02:20:56.0	9.26	9.08	64.44
09/26/16 03:20:56.0	9.27	9.09	64.26
09/26/16 04:20:56.0	9.29	9.11	64.11
09/26/16 05:20:56.0	9.27	9.09	63.93
09/26/16 06:20:56.0	9.27	9.09	63.75
09/26/16 07:20:56.0	9.26	9.08	63.61
09/26/16 08:20:56.0	9.30	9.12	63.46
09/26/16 09:20:56.0	9.31	9.13	63.43
09/26/16 10:20:56.0	9.34	9.16	63.43
09/26/16 11:20:56.0	9.37	9.19	63.46
09/26/16 12:20:56.0	9.40	9.22	63.43
09/26/16 13:20:56.0	9.42	9.24	63.36
09/26/16 14:20:56.0	9.41	9.23	63.36
09/26/16 15:20:56.0	9.40	9.22	63.32
09/26/16 16:20:56.0	9.41	9.22	63.21
09/26/16 17:20:56.0	9.38	9.19	63.14
09/26/16 18:20:56.0	9.38	9.19	63.00
09/26/16 19:20:56.0	9.37	9.18	62.89
09/26/16 20:20:56.0	9.37	9.18	62.78
09/26/16 21:20:56.0	9.40	9.21	62.67
09/26/16 22:20:56.0	9.40	9.21	62.56
09/26/16 23:20:56.0	9.41	9.22	62.46
09/27/16 00:20:56.0	9.44	9.25	62.35
09/27/16 01:20:56.0	9.43	9.24	62.24
09/27/16 02:20:56.0	9.43	9.24	62.13
09/27/16 03:20:56.0	9.45	9.26	61.99
09/27/16 04:20:56.0	9.43	9.24	61.92
09/27/16 05:20:56.0	9.45	9.26	61.77
09/27/16 06:20:56.0	9.45	9.26	61.66
09/27/16 07:20:56.0	9.45	9.26	61.59
09/27/16 08:20:56.0	9.46	9.27	61.56
09/27/16 09:20:56.0	9.49	9.30	61.59
09/27/16 10:20:56.0	9.52	9.33	61.59

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09/27/16 11:20:56.0	9.53	9.34	61.63
09/27/16 12:20:56.0	9.56	9.37	61.66
09/27/16 13:20:56.0	9.55	9.35	61.74
09/27/16 14:20:56.0	9.57	9.37	61.77
09/27/16 15:20:56.0	9.57	9.37	61.88
09/27/16 16:20:56.0	9.57	9.37	61.88
09/27/16 17:20:56.0	9.56	9.36	61.92
09/27/16 18:20:56.0	9.53	9.33	61.92
09/27/16 19:20:56.0	9.54	9.34	61.84
09/27/16 20:20:56.0	9.51	9.31	61.81
09/27/16 21:20:56.0	9.51	9.31	61.81
09/27/16 22:20:56.0	9.48	9.28	61.74
09/27/16 23:20:56.0	9.47	9.27	61.74
09/28/16 00:20:56.0	9.51	9.31	61.63
09/28/16 01:20:56.0	9.49	9.29	61.56
09/28/16 02:20:56.0	9.51	9.31	61.48
09/28/16 03:20:56.0	9.53	9.33	61.34
09/28/16 04:20:56.0	9.53	9.33	61.16
09/28/16 05:20:56.0	9.53	9.33	61.05
09/28/16 06:20:56.0	9.56	9.36	60.91
09/28/16 07:20:56.0	9.58	9.38	60.84
09/28/16 08:20:56.0	9.58	9.38	60.84
09/28/16 09:20:56.0	9.62	9.42	60.87
09/28/16 10:20:56.0	9.67	9.47	60.91
09/28/16 11:20:56.0	9.73	9.52	61.09
09/28/16 12:20:56.0	9.76	9.55	61.45
09/28/16 13:20:56.0	9.79	9.58	61.52
09/28/16 14:20:56.0	9.79	9.58	61.77
09/28/16 15:20:56.0	9.80	9.59	62.10
09/28/16 16:20:56.0	9.79	9.58	62.24
09/28/16 17:20:56.0	9.77	9.56	62.20
09/28/16 18:20:56.0	9.74	9.53	62.13
09/28/16 19:20:56.0	9.68	9.47	61.99
09/28/16 20:20:56.0	9.67	9.46	61.88
09/28/16 21:20:56.0	9.69	9.48	61.81
09/28/16 22:20:56.0	9.71	9.50	61.77
09/28/16 23:20:56.0	9.71	9.50	61.74
09/29/16 00:20:56.0	9.74	9.53	61.59
09/29/16 01:20:56.0	9.74	9.53	61.45
09/29/16 02:20:56.0	9.77	9.56	61.20
09/29/16 03:20:56.0	9.77	9.56	61.02
09/29/16 04:20:56.0	9.77	9.56	60.80
09/29/16 05:20:56.0	9.79	9.58	60.55
09/29/16 06:20:56.0	9.79	9.58	60.30
09/29/16 07:20:56.0	9.84	9.62	60.08
09/29/16 08:20:56.0	9.87	9.65	60.01
09/29/16 09:20:56.0	9.89	9.67	60.04
09/29/16 10:20:56.0	9.89	9.67	60.33
09/29/16 11:20:56.0	9.95	9.73	60.80
09/29/16 12:20:56.0	10.00	9.78	61.34
09/29/16 13:20:56.0	10.02	9.80	61.88

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09/29/16 14:20:56.0	10.03	9.81	62.35
09/29/16 15:20:56.0	10.01	9.79	62.67
09/29/16 16:20:56.0	10.01	9.79	62.82
09/29/16 17:20:56.0	9.90	9.68	62.71
09/29/16 18:20:56.0	9.81	9.59	62.53
09/29/16 19:20:56.0	9.77	9.55	62.38
09/29/16 20:20:56.0	9.74	9.52	62.24
09/29/16 21:20:56.0	9.70	9.48	62.28
09/29/16 22:20:56.0	9.73	9.51	62.24
09/29/16 23:20:56.0	9.70	9.48	62.13
09/30/16 00:20:56.0	9.73	9.51	62.06
09/30/16 01:20:56.0	9.71	9.49	61.88
09/30/16 02:20:56.0	9.76	9.54	61.63
09/30/16 03:20:56.0	9.75	9.53	61.34
09/30/16 04:20:56.0	9.77	9.55	60.98
09/30/16 05:20:56.0	9.79	9.57	60.66
09/30/16 06:20:56.0	9.81	9.59	60.37
09/30/16 07:20:56.0	9.85	9.63	60.04
09/30/16 08:20:56.0	9.89	9.66	59.90
09/30/16 09:20:56.0	9.92	9.69	59.90
09/30/16 10:20:56.0	9.95	9.72	60.15
09/30/16 11:20:56.0	9.99	9.76	60.62
09/30/16 12:20:56.0	10.02	9.79	60.98
09/30/16 13:20:56.0	10.03	9.80	61.34
09/30/16 14:20:56.0	10.09	9.86	61.81
09/30/16 15:20:56.0	10.09	9.86	62.20
09/30/16 16:20:56.0	10.02	9.79	62.38
09/30/16 17:20:56.0	9.95	9.72	62.24
09/30/16 18:20:56.0	9.87	9.64	62.28
09/30/16 19:20:56.0	9.82	9.59	62.28
09/30/16 20:20:56.0	9.79	9.56	62.24
09/30/16 21:20:56.0	9.73	9.50	62.17
09/30/16 22:20:56.0	9.73	9.50	62.13
09/30/16 23:20:56.0	9.69	9.46	62.06
10/01/16 00:20:56.0	9.67	9.44	61.99
10/01/16 01:20:56.0	9.69	9.46	61.88
10/01/16 02:20:56.0	9.68	9.45	61.74
10/01/16 03:20:56.0	9.65	9.42	61.56
10/01/16 04:20:56.0	9.69	9.46	61.34
10/01/16 05:20:56.0	9.69	9.46	61.09
10/01/16 06:20:56.0	9.74	9.51	60.80
10/01/16 07:20:56.0	9.74	9.51	60.55
10/01/16 08:20:56.0	9.78	9.55	60.44

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Date Time	Temp (°F)	DO Conc (mg/L)
07/17/16 12:00:00.0	68.040	9.51
07/17/16 13:00:00.0	68.830	10.08
07/17/16 14:00:00.0	69.480	10.25
07/17/16 15:00:00.0	69.400	9.78
07/17/16 16:00:00.0	69.760	9.67
07/17/16 17:00:00.0	70.300	9.68
07/17/16 18:00:00.0	70.560	9.41
07/17/16 19:00:00.0	70.230	8.89
07/17/16 20:00:00.0	69.910	8.55
07/17/16 21:00:00.0	69.660	8.28
07/17/16 22:00:00.0	69.300	8.21
07/17/16 23:00:00.0	69.040	8.22
07/18/16 00:00:00.0	68.790	8.20
07/18/16 01:00:00.0	68.430	8.13
07/18/16 02:00:00.0	68.070	8.06
07/18/16 03:00:00.0	67.820	8.07
07/18/16 04:00:00.0	67.600	8.12
07/18/16 05:00:00.0	67.280	8.13
07/18/16 06:00:00.0	66.960	8.18
07/18/16 07:00:00.0	66.780	8.40
07/18/16 08:00:00.0	66.990	8.74
07/18/16 09:00:00.0	67.640	9.18
07/18/16 10:00:00.0	68.860	9.69
07/18/16 11:00:00.0	70.270	10.03
07/18/16 12:00:00.0	70.450	9.89
07/18/16 13:00:00.0	71.280	10.07
07/18/16 14:00:00.0	71.640	10.11
07/18/16 15:00:00.0	72.030	10.06
07/18/16 16:00:00.0	71.920	9.85
07/18/16 17:00:00.0	72.250	9.75
07/18/16 18:00:00.0	72.100	9.39
07/18/16 19:00:00.0	71.490	8.95
07/18/16 20:00:00.0	71.170	8.62
07/18/16 21:00:00.0	71.130	8.32
07/18/16 22:00:00.0	71.060	8.15
07/18/16 23:00:00.0	70.880	8.10
07/19/16 00:00:00.0	70.740	8.11
07/19/16 01:00:00.0	70.560	8.12
07/19/16 02:00:00.0	70.300	8.11
07/19/16 03:00:00.0	69.910	8.10
07/19/16 04:00:00.0	69.400	8.11
07/19/16 05:00:00.0	68.830	8.09
07/19/16 06:00:00.0	68.320	8.15
07/19/16 07:00:00.0	68.070	8.38
07/19/16 08:00:00.0	68.180	8.67
07/19/16 09:00:00.0	68.900	9.12
07/19/16 10:00:00.0	70.160	9.66
07/19/16 11:00:00.0	71.530	10.03
07/19/16 12:00:00.0	72.930	10.25
07/19/16 13:00:00.0	73.980	10.28

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07/19/16 14:00:00.0	74.660	10.24
07/19/16 15:00:00.0	74.590	9.97
07/19/16 16:00:00.0	74.260	9.62
07/19/16 17:00:00.0	74.050	9.33
07/19/16 18:00:00.0	73.940	9.02
07/19/16 19:00:00.0	73.870	8.60
07/19/16 20:00:00.0	74.050	8.25
07/19/16 21:00:00.0	74.010	8.01
07/19/16 22:00:00.0	73.650	7.91
07/19/16 23:00:00.0	73.180	7.89
07/20/16 00:00:00.0	72.610	7.91
07/20/16 01:00:00.0	72.070	7.89
07/20/16 02:00:00.0	71.560	7.89
07/20/16 03:00:00.0	71.170	7.89
07/20/16 04:00:00.0	70.770	7.93
07/20/16 05:00:00.0	70.380	7.93
07/20/16 06:00:00.0	69.980	7.98
07/20/16 07:00:00.0	69.800	8.25
07/20/16 08:00:00.0	69.840	8.54
07/20/16 09:00:00.0	70.520	9.00
07/20/16 10:00:00.0	71.920	9.53
07/20/16 11:00:00.0	73.580	9.87
07/20/16 12:00:00.0	75.160	10.07
07/20/16 13:00:00.0	76.500	10.23
07/20/16 14:00:00.0	76.890	10.02
07/20/16 15:00:00.0	76.820	9.80
07/20/16 16:00:00.0	76.640	9.49
07/20/16 17:00:00.0	76.530	9.18
07/20/16 18:00:00.0	76.530	8.73
07/20/16 19:00:00.0	76.350	8.33
07/20/16 20:00:00.0	76.390	8.01
07/20/16 21:00:00.0	76.350	7.73
07/20/16 22:00:00.0	76.240	7.57
07/20/16 23:00:00.0	76.240	7.52
07/21/16 00:00:00.0	76.280	7.50
07/21/16 01:00:00.0	76.100	7.47
07/21/16 02:00:00.0	75.780	7.41
07/21/16 03:00:00.0	75.450	7.39
07/21/16 04:00:00.0	75.200	7.34
07/21/16 05:00:00.0	75.020	7.28
07/21/16 06:00:00.0	74.880	7.27
07/21/16 07:00:00.0	74.700	7.24
07/21/16 08:00:00.0	74.440	7.28
07/21/16 09:00:00.0	74.120	7.56
07/21/16 10:00:00.0	74.410	8.38
07/21/16 11:00:00.0	74.800	9.04
07/21/16 12:00:00.0	75.850	9.57
07/21/16 13:00:00.0	77.540	9.85
07/21/16 14:00:00.0	79.200	9.74
07/21/16 15:00:00.0	79.660	9.29
07/21/16 16:00:00.0	79.630	8.77

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07/21/16 17:00:00.0	79.340	8.41
07/21/16 18:00:00.0	78.800	8.34
07/21/16 19:00:00.0	78.300	8.02
07/21/16 20:00:00.0	77.830	7.57
07/21/16 21:00:00.0	77.540	7.15
07/21/16 22:00:00.0	77.400	6.94
07/21/16 23:00:00.0	77.220	6.87
07/22/16 00:00:00.0	77.000	6.87
07/22/16 01:00:00.0	76.780	6.88
07/22/16 02:00:00.0	76.600	6.92
07/22/16 03:00:00.0	76.350	6.94
07/22/16 04:00:00.0	75.990	6.94
07/22/16 05:00:00.0	75.600	6.94
07/22/16 06:00:00.0	75.270	7.02
07/22/16 07:00:00.0	75.020	7.25
07/22/16 08:00:00.0	75.160	7.58
07/22/16 09:00:00.0	75.880	8.06
07/22/16 10:00:00.0	77.220	8.65
07/22/16 11:00:00.0	78.760	9.06
07/22/16 12:00:00.0	80.170	9.33
07/22/16 13:00:00.0	81.390	9.43
07/22/16 14:00:00.0	82.040	9.30
07/22/16 15:00:00.0	81.790	8.94
07/22/16 16:00:00.0	81.180	8.51
07/22/16 17:00:00.0	80.920	8.22
07/22/16 18:00:00.0	80.490	7.83
07/22/16 19:00:00.0	79.920	7.49
07/22/16 20:00:00.0	79.270	7.19
07/22/16 21:00:00.0	78.760	6.90
07/22/16 22:00:00.0	78.330	6.79
07/22/16 23:00:00.0	77.940	6.77
07/23/16 00:00:00.0	77.540	6.79
07/23/16 01:00:00.0	77.140	6.79
07/23/16 02:00:00.0	76.820	6.84
07/23/16 03:00:00.0	76.530	6.85
07/23/16 04:00:00.0	76.170	6.88
07/23/16 05:00:00.0	75.740	6.90
07/23/16 06:00:00.0	75.200	6.94
07/23/16 07:00:00.0	74.880	7.21
07/23/16 08:00:00.0	74.950	7.51
07/23/16 09:00:00.0	75.670	8.03
07/23/16 10:00:00.0	77.250	8.66
07/23/16 11:00:00.0	78.980	9.11
07/23/16 12:00:00.0	80.460	9.34
07/23/16 13:00:00.0	81.570	9.52
07/23/16 14:00:00.0	81.790	9.48
07/23/16 15:00:00.0	81.720	9.33
07/23/16 16:00:00.0	81.360	9.03
07/23/16 17:00:00.0	81.000	8.70
07/23/16 18:00:00.0	80.460	8.19
07/23/16 19:00:00.0	79.840	7.65

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07/23/16 20:00:00.0	79.450	7.21
07/23/16 21:00:00.0	79.090	6.97
07/23/16 22:00:00.0	78.690	6.90
07/23/16 23:00:00.0	78.260	6.86
07/24/16 00:00:00.0	77.830	6.86
07/24/16 01:00:00.0	77.250	6.99
07/24/16 02:00:00.0	76.820	6.94
07/24/16 03:00:00.0	76.530	6.94
07/24/16 04:00:00.0	76.320	6.94
07/24/16 05:00:00.0	76.100	6.94
07/24/16 06:00:00.0	75.850	6.97
07/24/16 07:00:00.0	75.630	7.09
07/24/16 08:00:00.0	75.490	7.45
07/24/16 09:00:00.0	75.520	7.79
07/24/16 11:00:00.0	75.630	8.02
07/24/16 12:00:00.0	76.060	8.49
07/24/16 13:00:00.0	76.460	8.79
07/24/16 14:00:00.0	77.040	8.97
07/24/16 15:00:00.0	77.220	8.88
07/24/16 16:00:00.0	77.900	8.85
07/24/16 17:00:00.0	77.970	8.67
07/24/16 18:00:00.0	77.940	8.31
07/24/16 19:00:00.0	77.360	7.87
07/24/16 20:00:00.0	76.710	7.54
07/24/16 21:00:00.0	76.320	7.32
07/24/16 22:00:00.0	75.920	7.22
07/24/16 23:00:00.0	75.700	7.21
07/25/16 00:00:00.0	75.490	7.21
07/25/16 01:00:00.0	75.270	7.23
07/25/16 02:00:00.0	75.020	7.28
07/25/16 03:00:00.0	74.770	7.31
07/25/16 04:00:00.0	74.440	7.30
07/25/16 05:00:00.0	74.120	7.28
07/25/16 06:00:00.0	73.800	7.25
07/25/16 07:00:00.0	73.580	7.39
07/25/16 08:00:00.0	73.580	7.63
07/25/16 09:00:00.0	73.900	7.98
07/25/16 10:00:00.0	74.840	8.47
07/25/16 11:00:00.0	75.920	8.84
07/25/16 12:00:00.0	76.890	9.07
07/25/16 13:00:00.0	77.680	9.22
07/25/16 14:00:00.0	78.260	9.16
07/25/16 15:00:00.0	78.400	9.04
07/25/16 16:00:00.0	78.220	8.77
07/25/16 17:00:00.0	78.190	8.65
07/25/16 18:00:00.0	78.010	8.34
07/25/16 19:00:00.0	77.650	7.98
07/25/16 20:00:00.0	77.290	7.77
07/25/16 21:00:00.0	77.070	7.63
07/25/16 22:00:00.0	76.820	7.57
07/25/16 23:00:00.0	76.600	7.56

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07/26/16 00:00:00.0	76.350	7.57
07/26/16 01:00:00.0	76.060	7.57
07/26/16 02:00:00.0	75.700	7.55
07/26/16 03:00:00.0	75.270	7.54
07/26/16 04:00:00.0	74.700	7.51
07/26/16 05:00:00.0	74.160	7.48
07/26/16 06:00:00.0	73.690	7.49
07/26/16 07:00:00.0	73.330	7.60
07/26/16 08:00:00.0	73.330	7.81
07/26/16 09:00:00.0	73.940	8.19
07/26/16 10:00:00.0	75.090	8.65
07/26/16 11:00:00.0	76.420	9.02
07/26/16 12:00:00.0	77.650	9.19
07/26/16 13:00:00.0	78.580	9.30
07/26/16 14:00:00.0	79.050	9.30
07/26/16 15:00:00.0	79.090	9.15
07/26/16 16:00:00.0	78.870	8.91
07/26/16 17:00:00.0	78.550	8.76
07/26/16 18:00:00.0	78.400	8.43
07/26/16 19:00:00.0	78.330	8.14
07/26/16 20:00:00.0	78.220	7.77
07/26/16 21:00:00.0	78.080	7.54
07/26/16 22:00:00.0	77.970	7.47
07/26/16 23:00:00.0	77.970	7.43
07/27/16 00:00:00.0	77.970	7.40
07/27/16 01:00:00.0	77.790	7.41
07/27/16 02:00:00.0	77.400	7.37
07/27/16 03:00:00.0	76.930	7.34
07/27/16 04:00:00.0	76.570	7.31
07/27/16 05:00:00.0	76.210	7.27
07/27/16 06:00:00.0	75.810	7.25
07/27/16 07:00:00.0	75.520	7.47
07/27/16 08:00:00.0	75.450	7.78
07/27/16 09:00:00.0	75.520	8.11
07/27/16 10:00:00.0	76.100	8.62
07/27/16 11:00:00.0	76.600	8.82
07/27/16 12:00:00.0	76.530	8.82
07/27/16 13:00:00.0	76.930	8.92
07/27/16 14:00:00.0	76.860	8.92
07/27/16 15:00:00.0	77.070	9.11
07/27/16 16:00:00.0	76.780	8.65
07/27/16 17:00:00.0	76.530	8.22
07/27/16 18:00:00.0	76.390	8.06
07/27/16 19:00:00.0	76.170	8.00
07/27/16 20:00:00.0	75.700	7.67
07/27/16 21:00:00.0	75.270	7.48
07/27/16 22:00:00.0	74.880	7.42
07/27/16 23:00:00.0	74.620	7.49
07/28/16 00:00:00.0	74.300	7.54
07/28/16 01:00:00.0	74.010	7.54
07/28/16 02:00:00.0	73.760	7.54

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07/28/16 03:00:00.0	73.470	7.49
07/28/16 04:00:00.0	73.150	7.37
07/28/16 05:00:00.0	72.750	7.34
07/28/16 06:00:00.0	72.390	7.37
07/28/16 07:00:00.0	72.140	7.67
07/28/16 08:00:00.0	72.100	8.09
07/28/16 09:00:00.0	72.390	8.50
07/28/16 10:00:00.0	73.360	8.94
07/28/16 11:00:00.0	74.660	9.25
07/28/16 12:00:00.0	75.960	9.46
07/28/16 13:00:00.0	76.750	9.56
07/28/16 14:00:00.0	77.140	9.50
07/28/16 15:00:00.0	76.710	9.41
07/28/16 16:00:00.0	76.710	9.39
07/28/16 17:00:00.0	76.390	9.10
07/28/16 18:00:00.0	75.990	8.75
07/28/16 19:00:00.0	75.380	8.37
07/28/16 20:00:00.0	74.660	8.14
07/28/16 21:00:00.0	73.980	7.91
07/28/16 22:00:00.0	73.400	7.75
07/28/16 23:00:00.0	72.860	7.76
07/29/16 00:00:00.0	72.360	7.81
07/29/16 01:00:00.0	71.890	7.81
07/29/16 02:00:00.0	71.460	7.82
07/29/16 03:00:00.0	71.060	7.84
07/29/16 04:00:00.0	70.700	7.85
07/29/16 05:00:00.0	70.340	7.86
07/29/16 06:00:00.0	69.940	7.92
07/29/16 07:00:00.0	69.660	8.07
07/29/16 08:00:00.0	69.620	8.29
07/29/16 09:00:00.0	70.090	8.67
07/29/16 10:00:00.0	71.200	9.13
07/29/16 11:00:00.0	72.250	9.31
07/29/16 12:00:00.0	73.440	9.58
07/29/16 13:00:00.0	73.870	9.49
07/29/16 14:00:00.0	75.240	9.76
07/29/16 15:00:00.0	75.130	9.55
07/29/16 16:00:00.0	75.920	9.42
07/29/16 17:00:00.0	75.920	9.13
07/29/16 18:00:00.0	75.670	8.89
07/29/16 19:00:00.0	75.240	8.69
07/29/16 20:00:00.0	74.730	8.25
07/29/16 21:00:00.0	74.190	8.02
07/29/16 22:00:00.0	73.540	7.89
07/29/16 23:00:00.0	72.860	7.89
07/30/16 00:00:00.0	72.280	7.88
07/30/16 01:00:00.0	71.850	7.89
07/30/16 02:00:00.0	71.460	7.89
07/30/16 03:00:00.0	71.020	7.92
07/30/16 04:00:00.0	70.590	7.91
07/30/16 05:00:00.0	70.200	7.88

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07/30/16 06:00:00.0	69.760	7.96
07/30/16 07:00:00.0	69.480	8.14
07/30/16 08:00:00.0	69.440	8.40
07/30/16 09:00:00.0	69.910	8.84
07/30/16 10:00:00.0	71.170	9.35
07/30/16 11:00:00.0	72.640	9.69
07/30/16 12:00:00.0	73.400	9.61
07/30/16 13:00:00.0	74.260	9.82
07/30/16 14:00:00.0	75.630	9.89
07/30/16 15:00:00.0	76.820	9.80
07/30/16 16:00:00.0	76.680	9.37
07/30/16 17:00:00.0	76.320	9.03
07/30/16 18:00:00.0	75.960	8.76
07/30/16 19:00:00.0	75.310	8.45
07/30/16 20:00:00.0	74.770	8.20
07/30/16 21:00:00.0	74.160	7.94
07/30/16 22:00:00.0	73.470	7.87
07/30/16 23:00:00.0	72.900	7.86
07/31/16 00:00:00.0	72.280	7.85
07/31/16 01:00:00.0	71.740	7.87
07/31/16 02:00:00.0	71.280	7.89
07/31/16 03:00:00.0	70.840	7.88
07/31/16 04:00:00.0	70.380	7.89
07/31/16 05:00:00.0	69.910	7.91
07/31/16 06:00:00.0	69.400	7.97
07/31/16 07:00:00.0	69.010	8.13
07/31/16 08:00:00.0	68.970	8.41
07/31/16 09:00:00.0	69.510	8.92
07/31/16 10:00:00.0	70.810	9.43
07/31/16 11:00:00.0	72.250	9.76
07/31/16 12:00:00.0	73.690	9.94
07/31/16 13:00:00.0	75.130	10.04
07/31/16 14:00:00.0	76.100	9.98
07/31/16 15:00:00.0	76.600	9.76
07/31/16 16:00:00.0	76.570	9.31
07/31/16 17:00:00.0	76.500	8.98
07/31/16 18:00:00.0	76.060	8.73
07/31/16 19:00:00.0	75.520	8.38
07/31/16 20:00:00.0	75.020	8.13
07/31/16 21:00:00.0	74.520	7.91
07/31/16 22:00:00.0	73.870	7.83
07/31/16 23:00:00.0	73.220	7.82
08/01/16 00:00:00.0	72.460	7.81
08/01/16 01:00:00.0	71.780	7.82
08/01/16 02:00:00.0	71.280	7.84
08/01/16 03:00:00.0	70.880	7.86
08/01/16 04:00:00.0	70.520	7.86
08/01/16 05:00:00.0	70.090	7.87
08/01/16 06:00:00.0	69.620	7.94
08/01/16 07:00:00.0	69.330	8.22
08/01/16 08:00:00.0	69.440	8.71

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08/01/16 09:00:00.0	69.980	9.10
08/01/16 10:00:00.0	71.240	9.50
08/01/16 11:00:00.0	72.820	9.91
08/01/16 12:00:00.0	74.410	10.11
08/01/16 13:00:00.0	75.810	10.12
08/01/16 14:00:00.0	76.390	9.86
08/01/16 15:00:00.0	77.040	9.79
08/01/16 16:00:00.0	77.140	9.52
08/01/16 17:00:00.0	77.070	9.13
08/01/16 18:00:00.0	76.820	8.76
08/01/16 19:00:00.0	76.060	8.30
08/01/16 20:00:00.0	75.560	7.92
08/01/16 21:00:00.0	75.810	7.66
08/01/16 22:00:00.0	75.740	7.55
08/01/16 23:00:00.0	75.090	7.56
08/02/16 00:00:00.0	74.300	7.57
08/02/16 01:00:00.0	73.510	7.59
08/02/16 02:00:00.0	72.790	7.61
08/02/16 03:00:00.0	72.320	7.64
08/02/16 04:00:00.0	71.960	7.66
08/02/16 05:00:00.0	71.530	7.68
08/02/16 06:00:00.0	71.060	7.73
08/02/16 07:00:00.0	70.740	8.06
08/02/16 08:00:00.0	70.770	8.56
08/02/16 09:00:00.0	71.280	9.05
08/02/16 10:00:00.0	72.390	9.66
08/02/16 11:00:00.0	73.870	9.97
08/02/16 12:00:00.0	75.240	10.19
08/02/16 13:00:00.0	76.350	10.21
08/02/16 13:47:29.0	81.100	8.33
08/02/16 14:47:29.0	77.070	10.10
08/02/16 15:47:29.0	76.710	9.85
08/02/16 16:47:29.0	76.350	9.46
08/02/16 17:47:29.0	76.100	8.97
08/02/16 18:47:29.0	75.560	8.47
08/02/16 19:47:29.0	75.060	8.03
08/02/16 20:47:29.0	74.770	7.68
08/02/16 21:47:29.0	74.550	7.50
08/02/16 22:47:29.0	74.440	7.45
08/02/16 23:47:29.0	74.440	7.42
08/03/16 00:47:29.0	74.410	7.40
08/03/16 01:47:29.0	74.300	7.40
08/03/16 02:47:29.0	74.120	7.41
08/03/16 03:47:29.0	73.900	7.41
08/03/16 04:47:29.0	73.690	7.43
08/03/16 05:47:29.0	73.440	7.43
08/03/16 06:47:29.0	73.150	7.64
08/03/16 07:47:29.0	73.080	7.95
08/03/16 08:47:29.0	73.440	8.36
08/03/16 09:47:29.0	74.590	8.93
08/03/16 10:47:29.0	76.140	9.40

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08/03/16 11:47:29.0	77.540	9.65
08/03/16 12:47:29.0	78.440	9.66
08/03/16 13:47:29.0	78.870	9.60
08/03/16 14:47:29.0	79.770	9.60
08/03/16 16:47:29.0	79.340	8.88
08/03/16 17:47:29.0	79.090	8.68
08/03/16 18:47:29.0	78.550	8.16
08/03/16 19:47:29.0	78.150	7.69
08/03/16 20:47:29.0	77.830	7.33
08/03/16 21:47:29.0	77.760	7.16
08/03/16 22:47:29.0	77.580	7.10
08/03/16 23:47:29.0	77.430	7.04
08/04/16 00:47:29.0	77.250	7.01
08/04/16 01:47:29.0	77.000	7.00
08/04/16 02:47:29.0	76.710	7.01
08/04/16 03:47:29.0	76.420	7.03
08/04/16 04:47:29.0	76.140	7.05
08/04/16 05:47:29.0	75.960	7.04
08/04/16 06:47:29.0	75.740	7.24
08/04/16 07:47:29.0	75.810	7.74
08/04/16 08:47:29.0	76.240	8.30
08/04/16 09:47:29.0	77.040	8.87
08/04/16 10:47:29.0	78.300	9.38
08/04/16 11:47:29.0	79.160	9.48
08/04/16 12:47:29.0	79.590	9.52
08/04/16 13:47:29.0	79.480	9.41
08/04/16 14:47:29.0	78.300	8.28
08/04/16 15:47:29.0	77.760	8.57
08/04/16 16:47:29.0	77.760	8.74
08/04/16 17:47:29.0	77.790	8.65
08/04/16 18:47:29.0	77.680	8.30
08/04/16 19:47:29.0	77.650	7.82
08/04/16 20:47:29.0	77.470	7.29
08/04/16 21:47:29.0	77.180	7.00
08/04/16 22:47:29.0	76.890	6.88
08/04/16 23:47:29.0	76.680	6.85
08/05/16 00:47:29.0	76.500	6.85
08/05/16 01:47:29.0	76.240	6.87
08/05/16 02:47:29.0	75.990	6.90
08/05/16 03:47:29.0	75.600	6.90
08/05/16 04:47:29.0	75.020	6.91
08/05/16 05:47:29.0	74.550	6.95
08/05/16 06:47:29.0	74.190	7.13
08/05/16 07:47:29.0	74.050	7.55
08/05/16 08:47:29.0	74.190	8.00
08/05/16 09:47:29.0	74.660	8.56
08/05/16 10:47:29.0	75.380	9.25
08/05/16 11:47:29.0	77.140	9.75
08/05/16 12:47:29.0	77.680	9.82
08/05/16 13:47:29.0	77.500	9.77
08/05/16 14:47:29.0	77.470	9.80

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08/05/16 15:47:29.0	77.250	9.40
08/05/16 16:47:29.0	77.070	9.24
08/05/16 17:47:29.0	76.860	8.86
08/05/16 18:47:29.0	76.170	8.33
08/05/16 19:47:29.0	75.380	7.74
08/05/16 20:47:29.0	74.770	7.39
08/05/16 21:47:29.0	74.120	7.22
08/05/16 22:47:29.0	73.620	7.18
08/05/16 23:47:29.0	73.180	7.16
08/06/16 00:47:29.0	72.750	7.19
08/06/16 01:47:29.0	72.320	7.20
08/06/16 02:47:29.0	71.850	7.21
08/06/16 03:47:29.0	71.490	7.23
08/06/16 04:47:29.0	71.170	7.27
08/06/16 05:47:29.0	70.920	7.32
08/06/16 06:47:29.0	70.660	7.49
08/06/16 07:47:29.0	70.660	7.79
08/06/16 08:47:29.0	71.060	8.16
08/06/16 09:47:29.0	72.250	8.80
08/06/16 10:47:29.0	73.900	9.42
08/06/16 11:47:29.0	74.980	9.53
08/06/16 12:47:29.0	75.880	9.85
08/06/16 13:47:29.0	76.390	9.73
08/06/16 14:47:29.0	76.530	9.66
08/06/16 15:47:29.0	76.350	9.62
08/06/16 16:47:29.0	75.960	9.11
08/06/16 17:47:29.0	75.740	8.79
08/06/16 18:47:29.0	75.200	8.37
08/06/16 19:47:29.0	74.480	7.93
08/06/16 20:47:29.0	73.760	7.61
08/06/16 21:47:29.0	73.080	7.46
08/06/16 22:47:29.0	72.610	7.39
08/06/16 23:47:29.0	72.140	7.41
08/07/16 00:47:29.0	71.710	7.45
08/07/16 01:47:29.0	71.200	7.46
08/07/16 02:47:29.0	70.740	7.48
08/07/16 03:47:29.0	70.270	7.52
08/07/16 04:47:29.0	69.800	7.56
08/07/16 05:47:29.0	69.370	7.61
08/07/16 06:47:29.0	69.010	7.79
08/07/16 07:47:29.0	69.040	8.15
08/07/16 08:47:29.0	69.550	8.59
08/07/16 09:47:29.0	70.770	9.30
08/07/16 10:47:29.0	72.540	10.02
08/07/16 11:47:29.0	73.260	9.95
08/07/16 12:47:29.0	74.410	10.40
08/07/16 13:47:29.0	76.240	10.76
08/07/16 14:47:29.0	76.460	10.47
08/07/16 15:47:29.0	75.520	9.97
08/07/16 16:47:29.0	74.620	9.07
08/07/16 17:47:29.0	74.080	8.65

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08/07/16 18:47:29.0	73.870	8.36
08/07/16 19:47:29.0	72.970	7.92
08/07/16 20:47:29.0	72.320	7.61
08/07/16 21:47:29.0	71.820	5.11
08/07/16 22:47:29.0	71.420	6.37
08/07/16 23:47:29.0	71.130	6.18
08/08/16 00:47:29.0	70.880	6.54
08/08/16 01:47:29.0	70.520	6.79
08/08/16 02:47:29.0	70.160	6.86
08/08/16 03:47:29.0	69.760	6.90
08/08/16 04:47:29.0	69.400	6.94
08/08/16 05:47:29.0	69.040	7.03
08/08/16 06:47:29.0	68.760	7.27
08/08/16 07:47:29.0	68.790	7.66
08/08/16 08:47:29.0	69.300	8.09
08/08/16 09:47:29.0	70.660	8.74
08/08/16 10:47:29.0	72.460	9.40
08/08/16 11:47:29.0	74.120	9.74
08/08/16 12:47:29.0	75.850	9.88
08/08/16 13:47:29.0	77.000	9.96
08/08/16 14:47:29.0	77.290	10.11
08/08/16 15:47:29.0	77.140	9.87
08/08/16 16:47:29.0	76.930	8.36
08/08/16 17:47:29.0	76.420	7.78
08/08/16 18:47:29.0	75.490	7.20
08/08/16 19:47:29.0	74.620	6.57
08/08/16 20:47:29.0	74.050	6.00
08/08/16 21:47:29.0	73.720	5.66
08/08/16 22:47:29.0	73.330	5.62
08/08/16 23:47:29.0	72.750	5.60
08/09/16 00:47:29.0	72.070	5.64
08/09/16 01:47:29.0	71.420	5.68
08/09/16 02:47:29.0	70.810	5.74
08/09/16 03:47:29.0	70.300	5.69
08/09/16 04:47:29.0	69.910	5.68
08/09/16 05:47:29.0	69.510	5.64
08/09/16 06:47:29.0	69.220	5.88
08/09/16 07:47:29.0	69.260	6.22
08/09/16 08:47:29.0	69.730	6.74
08/09/16 09:47:29.0	70.950	7.23
08/09/16 10:47:29.0	72.640	7.50
08/09/16 11:47:29.0	74.120	7.93
08/09/16 12:47:29.0	75.740	7.83
08/09/16 13:47:29.0	76.710	7.94
08/09/16 14:47:29.0	77.360	8.13
08/09/16 15:47:29.0	77.220	7.91
08/09/16 16:47:29.0	76.860	6.19
08/09/16 17:47:29.0	76.170	5.81
08/09/16 18:47:29.0	75.420	5.18
08/09/16 19:47:29.0	74.590	4.28
08/09/16 20:47:29.0	73.980	3.55

US2_Merged

08/09/16 21:47:29.0	73.580	3.16
08/09/16 22:47:29.0	73.290	2.99
08/09/16 23:47:29.0	73.080	2.84
08/10/16 00:47:29.0	73.000	2.82
08/10/16 01:47:29.0	72.970	2.79
08/10/16 02:47:29.0	72.860	2.75
08/10/16 03:47:29.0	72.680	2.82
08/10/16 04:47:29.0	72.430	2.80
08/10/16 05:47:29.0	72.180	2.86
08/10/16 06:47:29.0	72.100	2.96
08/10/16 07:47:29.0	72.390	3.67
08/10/16 08:47:29.0	73.080	4.39
08/10/16 09:47:29.0	73.900	4.66
08/10/16 10:47:29.0	75.450	5.11
08/10/16 11:47:29.0	76.930	5.31
08/10/16 12:47:29.0	78.220	5.15
08/10/16 13:47:29.0	79.520	5.22
08/10/16 14:47:29.0	80.420	5.26
08/10/16 15:47:29.0	80.460	5.35
08/10/16 16:47:29.0	80.130	3.14
08/10/16 17:47:29.0	79.810	2.65
08/10/16 18:47:29.0	79.230	2.09
08/10/16 19:47:29.0	78.660	1.76
08/10/16 20:47:29.0	78.150	1.53
08/10/16 21:47:29.0	77.650	1.48
08/10/16 22:47:29.0	77.180	1.53
08/10/16 23:47:29.0	76.750	1.54
08/11/16 00:47:29.0	76.350	1.54
08/11/16 01:47:29.0	75.960	1.67
08/11/16 02:47:29.0	75.600	1.66
08/11/16 03:47:29.0	75.310	1.72
08/11/16 04:47:29.0	75.060	1.71
08/11/16 05:47:29.0	74.880	1.72
08/11/16 06:47:29.0	74.770	1.90
08/11/16 07:47:29.0	74.770	2.18
08/11/16 08:47:29.0	75.020	2.64
08/11/16 09:47:29.0	74.980	2.57
08/11/16 10:47:29.0	74.910	2.53
08/11/16 11:47:29.0	75.090	2.81
08/11/16 12:47:29.0	75.130	3.00
08/11/16 13:47:29.0	75.130	2.92
08/11/16 14:47:29.0	76.280	4.83
08/11/16 15:47:29.0	76.530	3.66
08/11/16 16:47:29.0	76.710	3.44
08/11/16 17:47:29.0	76.860	3.23
08/11/16 18:47:29.0	76.500	2.65
08/11/16 19:47:29.0	75.990	2.22
08/11/16 20:47:29.0	75.310	1.83
08/11/16 21:47:29.0	74.730	1.68
08/11/16 22:47:29.0	74.080	1.67
08/11/16 23:47:29.0	73.540	1.76

US2_Merged

08/12/16 00:47:29.0	73.180	1.72
08/12/16 01:47:29.0	72.970	1.80
08/12/16 02:47:29.0	72.860	1.82
08/12/16 03:47:29.0	72.720	1.82
08/12/16 04:47:29.0	72.540	1.91
08/12/16 05:47:29.0	72.430	1.86
08/12/16 06:47:29.0	72.320	1.93
08/12/16 07:47:29.0	72.250	2.28
08/12/16 08:11:29.0	71.600	6.88
08/12/16 09:11:29.0	72.390	8.20
08/12/16 10:11:29.0	72.820	8.84
08/12/16 11:11:29.0	73.400	9.30
08/12/16 12:11:29.0	73.830	9.43
08/12/16 13:11:29.0	74.520	9.74
08/12/16 14:11:29.0	75.130	9.84
08/12/16 15:11:29.0	75.200	9.77
08/12/16 16:11:29.0	74.950	9.34
08/12/16 17:11:29.0	74.520	8.77
08/12/16 18:11:29.0	74.190	8.56
08/12/16 19:11:29.0	73.830	8.23
08/12/16 20:11:29.0	73.400	7.75
08/12/16 21:11:29.0	73.000	7.46
08/12/16 22:11:29.0	72.640	7.36
08/12/16 23:11:29.0	72.360	7.37
08/13/16 00:11:29.0	72.070	7.39
08/13/16 01:11:29.0	71.850	7.41
08/13/16 02:11:29.0	71.600	7.45
08/13/16 03:11:29.0	71.380	7.46
08/13/16 04:11:29.0	71.170	7.51
08/13/16 05:11:29.0	70.950	7.54
08/13/16 06:11:29.0	70.840	7.55
08/13/16 07:11:29.0	70.770	7.72
08/13/16 08:11:29.0	70.840	7.93
08/13/16 09:11:29.0	70.810	8.04
08/13/16 10:11:29.0	71.200	8.70
08/13/16 11:11:29.0	72.030	9.19
08/13/16 12:11:29.0	72.750	9.47
08/13/16 13:11:29.0	73.870	9.73
08/13/16 14:11:29.0	73.800	9.66
08/13/16 15:11:29.0	73.830	9.69
08/13/16 16:11:29.0	74.080	9.48
08/13/16 17:11:29.0	73.760	9.25
08/13/16 18:11:29.0	73.080	8.67
08/13/16 19:11:29.0	72.280	8.23
08/13/16 20:11:29.0	71.670	7.91
08/13/16 21:11:29.0	71.460	7.69
08/13/16 22:11:29.0	71.310	7.61
08/13/16 23:11:29.0	71.100	7.60
08/14/16 00:11:29.0	70.880	7.63
08/14/16 01:11:29.0	70.590	7.66
08/14/16 02:11:29.0	70.340	7.67

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08/14/16 03:11:29.0	70.120	7.69
08/14/16 04:11:29.0	69.840	7.72
08/14/16 05:11:29.0	69.580	7.75
08/14/16 06:11:29.0	69.330	7.79
08/14/16 07:11:29.0	69.190	8.02
08/14/16 08:11:29.0	69.300	8.41
08/14/16 09:11:29.0	69.840	8.80
08/14/16 10:11:29.0	70.920	9.18
08/14/16 11:11:29.0	72.210	9.52
08/14/16 12:11:29.0	73.000	9.68
08/14/16 13:11:29.0	73.980	9.85
08/14/16 14:11:29.0	73.940	9.69
08/14/16 15:11:29.0	74.120	9.67
08/14/16 16:11:29.0	73.690	9.27
08/14/16 17:11:29.0	73.080	8.93
08/14/16 18:11:29.0	73.080	8.78
08/14/16 19:11:29.0	72.790	8.46
08/14/16 20:11:29.0	72.280	8.21
08/14/16 21:11:29.0	71.920	8.06
08/14/16 22:11:29.0	71.780	8.01
08/14/16 23:11:29.0	71.780	7.96
08/15/16 00:11:29.0	71.820	7.97
08/15/16 01:11:29.0	71.710	7.96
08/15/16 02:11:29.0	71.420	7.95
08/15/16 03:11:29.0	70.990	7.97
08/15/16 04:11:29.0	70.520	7.96
08/15/16 05:11:29.0	70.050	7.96
08/15/16 06:11:29.0	69.580	8.00
08/15/16 07:11:29.0	69.220	8.15
08/15/16 08:11:29.0	69.190	8.43
08/15/16 09:11:29.0	69.730	8.85
08/15/16 10:11:29.0	71.020	9.40
08/15/16 11:11:29.0	72.430	9.79
08/15/16 12:11:29.0	73.720	10.06
08/15/16 13:11:29.0	74.910	10.20
08/15/16 14:11:29.0	75.200	9.91
08/15/16 15:11:29.0	75.490	9.78
08/15/16 16:11:29.0	75.740	9.53
08/15/16 17:11:29.0	75.380	9.15
08/15/16 18:11:29.0	75.130	8.77
08/15/16 19:11:29.0	75.130	8.46
08/15/16 20:11:29.0	74.950	8.12
08/15/16 21:11:29.0	74.440	7.94
08/15/16 22:11:29.0	74.010	7.89
08/15/16 23:11:29.0	73.470	7.86
08/16/16 00:11:29.0	72.970	7.85
08/16/16 01:11:29.0	72.540	7.83
08/16/16 02:11:29.0	72.250	7.82
08/16/16 03:11:29.0	72.000	7.84
08/16/16 04:11:29.0	71.600	7.85
08/16/16 05:11:29.0	71.170	7.88

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08/16/16 06:11:29.0	70.740	7.89
08/16/16 07:11:29.0	70.450	8.13
08/16/16 08:11:29.0	70.300	8.33
08/16/16 09:11:29.0	70.810	8.74
08/16/16 10:11:29.0	72.180	9.37
08/16/16 11:11:29.0	73.690	9.82
08/16/16 12:11:29.0	73.980	9.75
08/16/16 13:11:29.0	75.060	10.04
08/16/16 14:11:29.0	76.030	10.26
08/16/16 15:11:29.0	75.520	9.82
08/16/16 16:11:29.0	75.090	9.56
08/16/16 17:10:55.0	76.780	8.27
08/16/16 18:10:55.0	74.590	8.64
08/16/16 19:10:55.0	74.370	8.29
08/16/16 20:10:55.0	74.260	7.92
08/16/16 21:10:55.0	74.120	7.69
08/16/16 22:10:55.0	74.080	7.61
08/16/16 23:10:55.0	74.010	7.57
08/17/16 00:10:55.0	73.830	7.56
08/17/16 01:10:55.0	73.620	7.58
08/17/16 02:10:55.0	73.400	7.60
08/17/16 03:10:55.0	73.150	7.59
08/17/16 04:10:55.0	72.900	7.59
08/17/16 05:10:55.0	72.720	7.59
08/17/16 06:10:55.0	72.500	7.59
08/17/16 07:10:55.0	72.280	7.75
08/17/16 08:10:55.0	72.140	8.16
08/17/16 09:10:55.0	72.320	8.59
08/17/16 10:10:55.0	73.620	9.23
08/17/16 12:10:55.0	76.460	10.01
08/17/16 14:10:55.0	77.650	9.84
08/17/16 15:10:55.0	78.300	9.75
08/17/16 16:10:55.0	78.480	9.49
08/17/16 17:10:55.0	78.150	8.89
08/17/16 18:10:55.0	77.610	8.56
08/17/16 19:10:55.0	76.820	7.87
08/17/16 20:10:55.0	76.280	7.59
08/17/16 21:10:55.0	76.320	7.41
08/17/16 22:10:55.0	76.140	7.32
08/17/16 23:10:55.0	75.700	7.31
08/18/16 00:10:55.0	75.020	7.28
08/18/16 01:10:55.0	74.440	7.31
08/18/16 02:10:55.0	74.160	7.38
08/18/16 03:10:55.0	73.870	7.40
08/18/16 04:10:55.0	73.580	7.40
08/18/16 05:10:55.0	73.290	7.40
08/18/16 06:10:55.0	72.900	7.42
08/18/16 07:10:55.0	72.610	7.72
08/18/16 08:10:55.0	72.570	8.12
08/18/16 09:10:55.0	73.080	8.54
08/18/16 10:10:55.0	74.480	9.19

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08/18/16 11:10:55.0	75.780	9.53
08/18/16 12:10:55.0	76.820	9.65
08/18/16 13:10:55.0	77.790	9.84
08/18/16 14:10:55.0	78.220	9.67
08/18/16 15:10:55.0	78.330	9.50
08/18/16 16:10:55.0	77.830	9.06
08/18/16 17:10:55.0	77.290	8.71
08/18/16 18:10:55.0	76.750	8.43
08/18/16 19:10:55.0	76.570	8.10
08/18/16 20:10:55.0	76.390	7.57
08/18/16 21:10:55.0	76.210	7.29
08/18/16 22:10:55.0	76.210	7.15
08/18/16 23:10:55.0	76.140	7.12
08/19/16 00:10:55.0	76.140	7.06
08/19/16 01:10:55.0	76.030	7.09
08/19/16 02:10:55.0	75.780	7.11
08/19/16 03:10:55.0	75.490	7.14
08/19/16 04:10:55.0	75.270	7.16
08/19/16 05:10:55.0	75.160	7.18
08/19/16 06:10:55.0	74.980	7.15
08/19/16 07:10:55.0	74.840	7.33
08/19/16 08:10:55.0	74.660	7.57
08/19/16 09:10:55.0	74.230	7.59
08/19/16 10:10:55.0	74.050	7.95
08/19/16 11:10:55.0	74.160	8.50
08/19/16 12:10:55.0	74.910	9.58
08/19/16 13:10:55.0	76.240	9.95
08/19/16 14:10:55.0	75.630	8.91
08/19/16 14:25:57.0	73.800	8.42
08/19/16 15:25:57.0	75.670	9.31
08/19/16 16:25:57.0	75.700	9.38
08/19/16 17:25:57.0	75.340	9.11
08/19/16 18:25:57.0	75.060	8.78
08/19/16 19:25:57.0	74.480	8.15
08/19/16 20:25:57.0	73.870	7.66
08/19/16 21:25:57.0	73.440	7.42
08/19/16 22:25:57.0	73.110	7.34
08/19/16 23:25:57.0	72.930	7.33
08/20/16 00:25:57.0	72.820	7.34
08/20/16 01:25:57.0	72.750	7.33
08/20/16 02:25:57.0	72.640	7.33
08/20/16 03:25:57.0	72.540	7.33
08/20/16 04:25:57.0	72.390	7.33
08/20/16 05:25:57.0	72.100	7.48
08/20/16 06:25:57.0	72.000	7.42
08/20/16 07:25:57.0	71.780	7.39
08/20/16 08:25:57.0	71.420	7.58
08/20/16 09:25:57.0	71.130	7.70
08/20/16 10:25:57.0	70.880	8.02
08/20/16 11:25:57.0	70.920	8.33
08/20/16 12:25:57.0	70.880	8.41

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08/20/16 13:25:57.0	71.060	8.67
08/20/16 14:25:57.0	71.310	8.94
08/20/16 15:25:57.0	70.840	8.47
08/20/16 16:25:57.0	70.630	8.61
08/20/16 17:25:57.0	70.520	8.61
08/20/16 18:25:57.0	70.270	8.23
08/20/16 19:25:57.0	69.760	7.86
08/20/16 20:25:57.0	69.220	7.70
08/20/16 21:25:57.0	68.760	7.74
08/20/16 22:25:57.0	68.360	7.85
08/20/16 23:25:57.0	68.000	7.91
08/21/16 00:25:57.0	67.750	7.94
08/21/16 01:25:57.0	67.600	7.94
08/21/16 02:25:57.0	67.500	7.96
08/21/16 03:25:57.0	67.320	8.02
08/21/16 04:25:57.0	67.030	8.05
08/21/16 05:25:57.0	66.670	8.07
08/21/16 06:25:57.0	66.270	8.11
08/21/16 07:25:57.0	65.980	8.29
08/21/16 08:25:57.0	65.910	8.58
08/21/16 09:25:57.0	66.090	8.93
08/21/16 10:25:57.0	66.520	9.23
08/21/16 11:25:57.0	66.850	9.25
08/21/16 12:25:57.0	67.140	9.33
08/21/16 13:25:57.0	67.210	9.53
08/21/16 14:25:57.0	67.030	9.25
08/21/16 15:25:57.0	67.100	9.48
08/21/16 16:25:57.0	67.240	9.33
08/21/16 17:25:57.0	67.100	9.19
08/21/16 18:25:57.0	66.780	8.96
08/21/16 19:25:57.0	66.420	8.82
08/21/16 20:25:57.0	66.240	8.71
08/21/16 21:25:57.0	66.020	8.69
08/21/16 22:25:57.0	65.800	8.73
08/21/16 23:25:57.0	65.550	8.76
08/22/16 00:25:57.0	65.260	8.79
08/22/16 01:25:57.0	64.940	8.77
08/22/16 02:25:57.0	64.580	8.76
08/22/16 03:25:57.0	64.220	8.70
08/22/16 04:25:57.0	63.900	8.67
08/22/16 05:25:57.0	63.500	8.70
08/22/16 06:25:57.0	63.100	8.74
08/22/16 07:25:57.0	62.850	8.86
08/22/16 08:25:57.0	62.850	9.04
08/22/16 09:25:57.0	63.360	9.34
08/22/16 10:25:57.0	64.360	9.69
08/22/16 11:25:57.0	65.410	9.89
08/22/16 12:25:57.0	66.200	10.02
08/22/16 13:25:57.0	66.560	10.07
08/22/16 14:25:57.0	66.420	10.02
08/22/16 15:25:57.0	66.380	9.98

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08/22/16 16:25:57.0	66.520	9.82
08/22/16 17:25:57.0	66.740	9.64
08/22/16 18:25:57.0	66.960	9.46
08/22/16 19:25:57.0	67.140	9.23
08/22/16 20:25:57.0	67.390	9.05
08/22/16 21:25:57.0	67.640	8.96
08/22/16 22:25:57.0	67.780	8.93
08/22/16 23:25:57.0	67.570	8.92
08/23/16 00:25:57.0	67.460	8.88
08/23/16 01:25:57.0	67.100	8.84
08/23/16 02:25:57.0	66.850	8.79
08/23/16 03:25:57.0	66.630	8.76
08/23/16 04:25:57.0	66.340	8.71
08/23/16 05:25:57.0	66.130	8.66
08/23/16 06:25:57.0	65.980	8.62
08/23/16 07:25:57.0	65.910	8.74
08/23/16 08:25:57.0	66.090	8.91
08/23/16 09:25:57.0	66.670	9.19
08/23/16 10:25:57.0	67.710	9.49
08/23/16 11:25:57.0	68.760	9.74
08/23/16 12:25:57.0	69.510	9.91
08/23/16 14:25:57.0	70.300	9.86
08/23/16 15:25:57.0	70.520	9.74
08/23/16 16:25:57.0	70.700	9.53
08/23/16 17:25:57.0	70.950	9.39
08/23/16 18:25:57.0	71.020	9.09
08/23/16 19:25:57.0	71.460	8.88
08/23/16 20:25:57.0	71.460	8.67
08/23/16 21:25:57.0	71.310	8.60
08/23/16 22:25:57.0	71.130	8.56
08/23/16 23:25:57.0	70.810	8.50
08/24/16 00:25:57.0	70.450	8.45
08/24/16 01:25:57.0	70.120	8.40
08/24/16 02:25:57.0	69.840	8.33
08/24/16 03:25:57.0	69.690	8.29
08/24/16 04:25:57.0	69.580	8.24
08/24/16 05:25:57.0	69.510	8.19
08/24/16 06:25:57.0	69.480	8.13
08/24/16 07:25:57.0	69.510	8.13
08/24/16 08:25:57.0	69.550	8.21
08/24/16 09:25:57.0	69.550	8.30
08/24/16 10:25:57.0	69.480	8.41
08/24/16 11:25:57.0	69.330	8.49
08/24/16 12:25:57.0	69.690	9.01
08/24/16 13:25:57.0	69.760	8.94
08/24/16 14:25:57.0	69.760	9.31
08/24/16 15:25:57.0	70.050	9.53
08/24/16 16:25:57.0	70.020	9.28
08/24/16 17:25:57.0	69.910	9.06
08/24/16 18:25:57.0	69.800	8.82
08/24/16 19:25:57.0	69.690	8.58

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08/24/16 20:25:57.0	69.800	8.46
08/24/16 21:25:57.0	69.870	8.43
08/24/16 22:25:57.0	69.840	8.42
08/24/16 23:25:57.0	69.760	8.37
08/25/16 00:25:57.0	69.660	8.33
08/25/16 01:25:57.0	69.480	8.30
08/25/16 02:25:57.0	69.220	8.25
08/25/16 03:25:57.0	69.010	8.21
08/25/16 04:25:57.0	68.790	8.19
08/25/16 05:25:57.0	68.540	8.16
08/25/16 06:25:57.0	68.360	8.14
08/25/16 07:25:57.0	68.290	8.27
08/25/16 08:25:57.0	68.290	8.58
08/25/16 09:25:57.0	68.470	8.89
08/25/16 10:25:57.0	69.120	9.43
08/25/16 11:25:57.0	69.980	9.77
08/25/16 12:25:57.0	70.770	9.92
08/25/16 13:25:57.0	71.200	9.96
08/25/16 14:25:57.0	71.200	9.85
08/25/16 15:25:57.0	71.100	9.64
08/25/16 16:25:57.0	70.990	9.34
08/25/16 17:25:57.0	70.920	9.18
08/25/16 18:25:57.0	70.810	8.85
08/25/16 19:25:57.0	70.880	8.61
08/25/16 20:25:57.0	70.840	8.42
08/25/16 21:25:57.0	70.840	8.36
08/25/16 22:25:57.0	70.920	8.34
08/25/16 23:25:57.0	70.840	8.33
08/26/16 00:25:57.0	70.630	8.31
08/26/16 01:25:57.0	70.270	8.30
08/26/16 02:25:57.0	69.840	8.24
08/26/16 03:25:57.0	69.370	8.20
08/26/16 04:25:57.0	68.970	8.15
08/26/16 05:25:57.0	68.650	8.11
08/26/16 06:25:57.0	68.360	8.12
08/26/16 07:25:57.0	68.140	8.24
08/26/16 08:25:57.0	68.220	8.48
08/26/16 09:25:57.0	68.650	8.85
08/26/16 10:25:57.0	69.510	9.32
08/26/16 11:25:57.0	70.020	9.59
08/26/16 12:25:57.0	70.810	10.40
08/26/16 13:25:57.0	70.740	9.86
08/26/16 14:25:57.0	70.630	10.44
08/26/16 15:07:31.0	70.020	9.02
08/26/16 16:07:31.0	70.200	9.75
08/26/16 17:07:31.0	70.230	9.47
08/26/16 18:07:31.0	70.090	9.25
08/26/16 19:07:31.0	70.020	9.00
08/26/16 20:07:31.0	69.980	8.65
08/26/16 21:07:31.0	69.800	8.51
08/26/16 22:07:31.0	69.690	8.47

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08/26/16 23:07:31.0	69.550	8.49
08/27/16 00:07:31.0	69.330	8.51
08/27/16 01:07:31.0	69.080	8.49
08/27/16 02:07:31.0	68.790	8.47
08/27/16 03:07:31.0	68.430	8.42
08/27/16 04:07:31.0	68.140	8.39
08/27/16 05:07:31.0	67.890	8.34
08/27/16 06:07:31.0	67.640	8.31
08/27/16 07:07:31.0	67.460	8.34
08/27/16 08:07:31.0	67.390	8.58
08/27/16 09:07:31.0	67.460	8.92
08/27/16 10:07:31.0	67.710	9.31
08/27/16 11:07:31.0	68.290	9.68
08/27/16 12:07:31.0	68.650	9.78
08/27/16 13:07:31.0	68.540	9.39
08/27/16 14:07:31.0	68.720	9.69
08/27/16 15:07:31.0	68.790	9.70
08/27/16 16:07:31.0	68.680	9.28
08/27/16 17:07:31.0	68.900	9.43
08/27/16 18:07:31.0	68.720	9.12
08/27/16 19:07:31.0	68.500	8.70
08/27/16 20:07:31.0	68.250	8.50
08/27/16 21:07:31.0	67.960	8.49
08/27/16 22:07:31.0	67.780	8.52
08/27/16 23:07:31.0	67.640	8.51
08/28/16 00:07:31.0	67.500	8.54
08/28/16 01:07:31.0	67.390	8.55
08/28/16 02:07:31.0	67.210	8.54
08/28/16 03:07:31.0	66.960	8.52
08/28/16 04:07:31.0	66.850	8.49
08/28/16 05:07:31.0	66.780	8.45
08/28/16 06:07:31.0	66.600	8.40
08/28/16 07:07:31.0	66.340	8.49
08/28/16 08:07:31.0	66.270	8.66
08/28/16 09:07:31.0	66.670	9.12
08/28/16 10:07:31.0	67.390	9.65
08/28/16 11:07:31.0	68.540	10.02
08/28/16 12:07:31.0	69.660	10.21
08/28/16 13:07:31.0	70.810	10.28
08/28/16 14:07:31.0	71.310	10.19
08/28/16 15:07:31.0	71.420	9.98
08/28/16 16:07:31.0	71.240	9.82
08/28/16 17:07:31.0	71.020	9.50
08/28/16 18:07:31.0	71.020	9.04
08/28/16 19:07:31.0	71.020	8.70
08/28/16 20:07:31.0	71.170	8.49
08/28/16 21:07:31.0	70.990	8.41
08/28/16 22:07:31.0	70.880	8.39
08/28/16 23:07:31.0	70.520	8.34
08/29/16 00:07:31.0	70.200	8.31
08/29/16 01:07:31.0	69.870	8.30

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08/29/16 02:07:31.0	69.580	8.29
08/29/16 03:07:31.0	69.260	8.28
08/29/16 04:07:31.0	68.940	8.28
08/29/16 05:07:31.0	68.580	8.27
08/29/16 06:07:31.0	68.250	8.23
08/29/16 07:07:31.0	68.180	8.33
08/29/16 08:07:31.0	68.290	8.77
08/29/16 09:07:31.0	68.580	9.29
08/29/16 10:07:31.0	69.220	9.87
08/29/16 11:07:31.0	69.660	10.13
08/29/16 12:07:31.0	70.560	10.42
08/29/16 13:07:31.0	71.670	10.53
08/29/16 14:07:31.0	72.180	10.47
08/29/16 15:07:31.0	72.390	10.11
08/29/16 16:07:31.0	72.430	9.83
08/29/16 17:07:31.0	72.360	9.48
08/29/16 18:07:31.0	72.100	9.02
08/29/16 19:07:31.0	71.920	8.59
08/29/16 20:07:31.0	72.140	8.19
08/29/16 21:07:31.0	72.210	8.09
08/29/16 22:07:31.0	72.210	8.09
08/29/16 23:07:31.0	72.070	8.07
08/30/16 00:07:31.0	71.890	8.06
08/30/16 01:07:31.0	71.640	8.04
08/30/16 02:07:31.0	71.380	7.98
08/30/16 03:07:31.0	71.200	7.94
08/30/16 04:07:31.0	71.130	7.94
08/30/16 05:07:31.0	70.990	7.92
08/30/16 06:07:31.0	70.740	7.88
08/30/16 07:07:31.0	70.520	8.02
08/30/16 08:07:31.0	70.520	8.50
08/30/16 09:07:31.0	70.880	9.09
08/30/16 10:07:31.0	71.420	9.73
08/30/16 11:07:31.0	72.360	10.17
08/30/16 12:07:31.0	73.110	10.14
08/30/16 13:07:31.0	74.340	10.56
08/30/16 14:07:31.0	74.770	10.51
08/30/16 15:07:31.0	74.340	10.40
08/30/16 16:07:31.0	73.800	9.92
08/30/16 17:07:31.0	73.440	9.48
08/30/16 18:07:31.0	73.180	8.98
08/30/16 19:07:31.0	73.040	8.36
08/30/16 20:07:31.0	72.860	7.97
08/30/16 21:07:31.0	72.570	7.82
08/30/16 22:07:31.0	72.280	7.78
08/30/16 23:07:31.0	71.890	7.83
08/31/16 00:07:31.0	71.460	7.89
08/31/16 01:07:31.0	71.020	7.92
08/31/16 02:07:31.0	70.590	7.95
08/31/16 03:07:31.0	70.120	7.95
08/31/16 04:07:31.0	69.660	7.96

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08/31/16 05:07:31.0	69.150	7.95
08/31/16 06:07:31.0	68.760	7.93
08/31/16 07:07:31.0	68.360	8.06
08/31/16 08:07:31.0	68.180	8.32
08/31/16 09:07:31.0	68.400	8.77
08/31/16 10:07:31.0	69.330	9.28
08/31/16 11:07:31.0	70.450	9.67
08/31/16 12:07:31.0	70.520	9.86
08/31/16 13:07:31.0	70.480	9.83
08/31/16 14:07:31.0	70.560	9.89
08/31/16 15:07:31.0	70.590	10.03
08/31/16 16:07:31.0	70.380	9.64
08/31/16 17:07:31.0	70.200	9.46
08/31/16 18:07:31.0	69.910	9.02
08/31/16 19:07:31.0	69.620	8.55
08/31/16 20:07:31.0	69.330	8.18
08/31/16 21:07:31.0	68.970	8.09
08/31/16 22:07:31.0	68.650	8.12
08/31/16 23:07:31.0	68.400	8.18
09/01/16 00:07:31.0	68.140	8.22
09/01/16 01:07:31.0	67.930	8.23
09/01/16 02:07:31.0	67.680	8.23
09/01/16 03:07:31.0	67.280	8.21
09/01/16 04:07:31.0	66.880	8.21
09/01/16 05:07:31.0	66.490	8.20
09/01/16 06:07:31.0	66.090	8.20
09/01/16 07:07:31.0	65.730	8.33
09/01/16 08:07:31.0	65.770	8.71
09/01/16 09:07:31.0	66.060	9.34
09/01/16 10:07:31.0	66.380	9.83
09/01/16 11:07:31.0	67.240	10.19
09/01/16 12:07:31.0	67.890	10.33
09/01/16 13:07:31.0	68.650	10.76
09/01/16 14:07:31.0	69.400	10.66
09/01/16 16:07:31.0	69.330	9.91
09/01/16 17:07:31.0	69.040	9.42
09/01/16 18:07:31.0	68.610	9.13
09/01/16 19:07:31.0	68.180	8.77
09/01/16 20:07:31.0	67.640	8.49
09/01/16 21:07:31.0	67.100	8.37
09/01/16 22:07:31.0	66.600	8.41
09/01/16 23:07:31.0	66.020	8.49
09/02/16 00:07:31.0	65.440	8.54
09/02/16 01:07:31.0	64.940	8.56
09/02/16 02:07:31.0	64.510	8.61
09/02/16 03:07:31.0	64.150	8.67
09/02/16 04:07:31.0	63.820	8.70
09/02/16 05:07:31.0	63.500	8.74
09/02/16 06:07:31.0	63.140	8.76
09/02/16 07:07:31.0	62.820	8.91
09/02/16 08:07:31.0	62.780	9.15

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09/02/16 09:07:31.0	63.140	9.48
09/02/16 10:07:31.0	65.340	9.64
09/02/16 10:14:01.0	75.700	8.74
09/02/16 11:14:01.0	66.130	10.44
09/02/16 12:14:01.0	67.500	10.66
09/02/16 13:14:01.0	68.720	10.72
09/02/16 14:14:01.0	69.120	10.57
09/02/16 15:14:01.0	68.940	10.26
09/02/16 16:14:01.0	68.500	9.95
09/02/16 17:14:01.0	68.140	9.60
09/02/16 18:14:01.0	67.350	9.30
09/02/16 19:14:01.0	66.700	9.03
09/02/16 20:14:01.0	66.380	8.73
09/02/16 21:14:01.0	66.450	8.57
09/02/16 22:14:01.0	66.670	8.52
09/02/16 23:14:01.0	66.560	8.57
09/03/16 00:14:01.0	66.060	8.59
09/03/16 01:14:01.0	65.480	8.62
09/03/16 02:14:01.0	64.980	8.67
09/03/16 03:14:01.0	64.510	8.73
09/03/16 04:14:01.0	64.080	8.79
09/03/16 05:14:01.0	63.680	8.84
09/03/16 06:14:01.0	63.360	8.84
09/03/16 07:14:01.0	63.000	9.01
09/03/16 08:14:01.0	62.850	9.32
09/03/16 09:14:01.0	63.100	9.73
09/03/16 10:14:01.0	64.180	10.22
09/03/16 11:14:01.0	65.840	10.62
09/03/16 12:14:01.0	67.350	10.90
09/03/16 13:14:01.0	68.110	10.93
09/03/16 14:14:01.0	68.500	10.80
09/03/16 15:14:01.0	68.470	10.51
09/03/16 16:14:01.0	67.960	10.11
09/03/16 17:14:01.0	67.460	9.74
09/03/16 18:14:01.0	67.030	9.28
09/03/16 19:14:01.0	67.060	8.92
09/03/16 20:14:01.0	67.240	8.59
09/03/16 21:14:01.0	67.320	8.43
09/03/16 22:14:01.0	67.140	8.46
09/03/16 23:14:01.0	66.700	8.49
09/04/16 00:14:01.0	66.160	8.51
09/04/16 01:14:01.0	65.660	8.56
09/04/16 02:14:01.0	65.160	8.60
09/04/16 03:14:01.0	64.690	8.65
09/04/16 04:14:01.0	64.330	8.67
09/04/16 05:14:01.0	64.040	8.70
09/04/16 06:14:01.0	63.720	8.70
09/04/16 07:14:01.0	63.430	8.86
09/04/16 08:14:01.0	63.360	9.22
09/04/16 09:14:01.0	63.720	9.61
09/04/16 10:14:01.0	64.870	10.16

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09/04/16 11:14:01.0	66.490	10.64
09/04/16 12:14:01.0	67.350	10.72
09/04/16 13:14:01.0	68.220	10.93
09/04/16 14:14:01.0	68.290	10.80
09/04/16 15:14:01.0	68.110	10.62
09/04/16 16:14:01.0	68.000	10.35
09/04/16 17:14:01.0	67.860	9.95
09/04/16 18:14:01.0	67.500	9.47
09/04/16 19:14:01.0	67.210	8.96
09/04/16 20:14:01.0	67.030	8.59
09/04/16 21:14:01.0	67.060	8.42
09/04/16 22:14:01.0	67.170	8.34
09/04/16 23:14:01.0	67.240	8.34
09/05/16 00:14:01.0	67.030	8.41
09/05/16 01:14:01.0	66.630	8.43
09/05/16 02:14:01.0	66.240	8.43
09/05/16 03:14:01.0	65.910	8.45
09/05/16 04:14:01.0	65.590	8.48
09/05/16 05:14:01.0	65.260	8.46
09/05/16 06:14:01.0	64.980	8.47
09/05/16 07:14:01.0	64.830	8.74
09/05/16 08:14:01.0	65.080	9.24
09/05/16 09:14:01.0	65.370	9.56
09/05/16 10:14:01.0	65.980	10.12
09/05/16 11:14:01.0	67.280	10.66
09/05/16 12:14:01.0	67.860	10.84
09/05/16 13:14:01.0	69.220	10.98
09/05/16 14:14:01.0	70.090	10.92
09/05/16 15:14:01.0	70.200	10.72
09/05/16 16:14:01.0	70.020	10.33
09/05/16 17:14:01.0	69.870	9.78
09/05/16 18:14:01.0	69.330	9.05
09/05/16 19:14:01.0	68.790	8.59
09/05/16 20:14:01.0	68.360	8.29
09/05/16 21:14:01.0	68.110	8.15
09/05/16 22:14:01.0	68.140	8.11
09/05/16 23:14:01.0	68.470	8.06
09/06/16 00:14:01.0	68.830	8.04
09/06/16 01:14:01.0	68.940	8.05
09/06/16 02:14:01.0	69.010	8.05
09/06/16 03:14:01.0	68.970	8.04
09/06/16 04:14:01.0	68.940	8.04
09/06/16 05:14:01.0	68.970	8.03
09/06/16 06:14:01.0	68.940	8.00
09/06/16 07:14:01.0	68.900	8.03
09/06/16 08:14:01.0	68.900	8.04
09/06/16 09:14:01.0	68.860	8.16
09/06/16 10:14:01.0	68.900	8.43
09/06/16 11:14:01.0	68.830	8.34
09/06/16 12:14:01.0	69.150	9.05
09/06/16 13:14:01.0	69.330	9.28

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09/06/16 14:14:01.0	70.340	9.92
09/06/16 15:14:01.0	70.590	9.99
09/06/16 16:14:01.0	70.770	9.88
09/06/16 17:14:01.0	70.920	9.49
09/06/16 18:14:01.0	70.810	9.02
09/06/16 19:14:01.0	70.590	8.46
09/06/16 20:14:01.0	70.340	8.09
09/06/16 21:14:01.0	70.050	7.96
09/06/16 22:14:01.0	69.800	7.94
09/06/16 23:14:01.0	69.690	7.92
09/07/16 00:14:01.0	69.660	7.94
09/07/16 01:14:01.0	69.690	7.97
09/07/16 02:14:01.0	69.690	7.98
09/07/16 03:14:01.0	69.690	7.97
09/07/16 04:14:01.0	69.620	7.98
09/07/16 05:14:01.0	69.550	7.95
09/07/16 06:14:01.0	69.400	7.92
09/07/16 07:14:01.0	69.330	7.95
09/07/16 08:14:01.0	69.300	8.16
09/07/16 09:14:01.0	69.260	8.36
09/07/16 10:14:01.0	69.220	8.51
09/07/16 11:14:01.0	69.260	8.84
09/07/16 12:14:01.0	69.370	8.92
09/07/16 13:14:01.0	69.400	8.76
09/07/16 14:14:01.0	69.440	8.87
09/07/16 15:14:01.0	69.550	8.95
09/07/16 16:14:01.0	69.760	9.00
09/07/16 17:14:01.0	69.660	8.75
09/07/16 18:14:01.0	69.580	8.49
09/07/16 19:14:01.0	69.400	8.28
09/07/16 20:14:01.0	69.300	8.13
09/07/16 21:14:01.0	69.190	8.12
09/07/16 22:14:01.0	69.120	8.13
09/07/16 23:14:01.0	69.040	8.10
09/08/16 00:14:01.0	68.970	8.10
09/08/16 01:14:01.0	68.900	8.10
09/08/16 02:14:01.0	68.830	8.09
09/08/16 03:14:01.0	68.720	8.07
09/08/16 04:14:01.0	68.580	8.06
09/08/16 05:14:01.0	68.470	8.06
09/08/16 06:14:01.0	68.360	8.04
09/08/16 07:14:01.0	68.290	8.11
09/08/16 08:14:01.0	68.320	8.30
09/08/16 09:14:01.0	68.610	8.74
09/08/16 10:14:01.0	69.010	8.89
09/08/16 11:14:01.0	69.370	9.14
09/08/16 12:14:01.0	70.450	9.39
09/08/16 13:14:01.0	70.840	9.28
09/08/16 14:14:01.0	71.060	9.21
09/08/16 15:14:01.0	71.170	9.06
09/08/16 16:14:01.0	70.990	8.84

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09/08/16 17:14:01.0	70.700	8.71
09/08/16 18:14:01.0	70.410	8.54
09/08/16 19:14:01.0	70.200	8.38
09/08/16 20:14:01.0	70.020	8.29
09/08/16 21:14:01.0	69.980	8.30
09/08/16 22:14:01.0	69.940	8.33
09/08/16 23:14:01.0	69.910	8.37
09/09/16 00:14:01.0	69.800	8.38
09/09/16 01:14:01.0	69.550	8.33
09/09/16 02:14:01.0	69.150	8.24
09/09/16 03:14:01.0	68.680	8.16
09/09/16 04:14:01.0	68.250	8.14
09/09/16 05:14:01.0	67.890	8.13
09/09/16 06:14:01.0	67.530	8.15
09/09/16 07:14:01.0	67.240	8.21
09/09/16 08:14:01.0	67.210	8.49
09/09/16 09:14:01.0	67.420	8.74
09/09/16 09:25:31.0	66.780	8.93
09/09/16 10:25:31.0	67.680	8.88
09/09/16 11:25:31.0	67.710	8.93
09/09/16 12:25:31.0	67.600	8.97
09/09/16 13:25:31.0	67.710	9.32
09/09/16 14:25:31.0	67.460	9.39
09/09/16 15:25:31.0	67.320	9.39
09/09/16 16:25:31.0	67.240	9.38
09/09/16 17:25:31.0	67.170	9.31
09/09/16 18:25:31.0	66.920	9.13
09/09/16 19:25:31.0	66.630	8.96
09/09/16 20:25:31.0	66.420	8.89
09/09/16 21:25:31.0	66.340	8.89
09/09/16 22:25:31.0	66.340	8.88
09/09/16 23:25:31.0	66.310	8.84
09/10/16 00:25:31.0	66.160	8.80
09/10/16 01:25:31.0	66.020	8.76
09/10/16 02:25:31.0	65.910	8.73
09/10/16 03:25:31.0	65.770	8.67
09/10/16 04:25:31.0	65.660	8.61
09/10/16 05:25:31.0	65.620	8.56
09/10/16 06:25:31.0	65.550	8.54
09/10/16 07:25:31.0	65.520	8.58
09/10/16 08:25:31.0	65.440	8.60
09/10/16 09:25:31.0	65.300	8.69
09/10/16 10:25:31.0	65.260	8.77
09/10/16 11:25:31.0	65.230	8.88
09/10/16 12:25:31.0	65.300	9.14
09/10/16 13:25:31.0	65.410	9.21
09/10/16 14:25:31.0	65.370	9.34
09/10/16 15:25:31.0	65.340	9.42
09/10/16 16:25:31.0	65.190	9.38
09/10/16 17:25:31.0	64.980	9.31
09/10/16 18:25:31.0	64.690	9.07

US2_Merged

09/10/16 19:25:31.0	64.330	9.01
09/10/16 20:25:31.0	64.080	9.00
09/10/16 21:25:31.0	63.860	8.96
09/10/16 22:25:31.0	63.680	9.00
09/10/16 23:25:31.0	63.460	9.02
09/11/16 00:25:31.0	63.210	9.04
09/11/16 01:25:31.0	62.920	9.04
09/11/16 02:25:31.0	62.670	9.01
09/11/16 03:25:31.0	62.350	9.00
09/11/16 04:25:31.0	62.020	9.00
09/11/16 05:25:31.0	61.630	9.03
09/11/16 06:25:31.0	61.270	9.06
09/11/16 07:25:31.0	60.980	9.16
09/11/16 08:25:31.0	60.980	9.44
09/11/16 09:25:31.0	61.200	9.60
09/11/16 10:25:31.0	61.810	9.87
09/11/16 11:25:31.0	62.240	10.05
09/11/16 12:25:31.0	62.820	10.11
09/11/16 13:25:31.0	62.670	10.16
09/11/16 14:25:31.0	62.600	10.14
09/11/16 15:25:31.0	62.820	10.20
09/11/16 16:25:31.0	62.740	10.03
09/11/16 17:25:31.0	62.920	9.95
09/11/16 18:25:31.0	63.100	9.82
09/11/16 19:25:31.0	63.360	9.66
09/11/16 20:25:31.0	63.570	9.57
09/11/16 21:25:31.0	63.540	9.51
09/11/16 22:25:31.0	63.390	9.49
09/11/16 23:25:31.0	63.140	9.43
09/12/16 00:25:31.0	62.890	9.39
09/12/16 01:25:31.0	62.600	9.33
09/12/16 02:25:31.0	62.350	9.29
09/12/16 03:25:31.0	62.130	9.24
09/12/16 04:25:31.0	61.920	9.16
09/12/16 05:25:31.0	61.810	9.13
09/12/16 06:25:31.0	61.660	9.12
09/12/16 07:25:31.0	61.590	9.16
09/12/16 08:25:31.0	61.660	9.29
09/12/16 09:25:31.0	61.990	9.48
09/12/16 10:25:31.0	62.710	9.74
09/12/16 11:25:31.0	63.540	9.91
09/12/16 12:25:31.0	64.080	10.04
09/12/16 14:25:31.0	64.440	10.10
09/12/16 15:25:31.0	64.540	10.03
09/12/16 16:25:31.0	64.830	9.86
09/12/16 17:25:31.0	65.260	9.75
09/12/16 18:25:31.0	65.260	9.61
09/12/16 19:25:31.0	65.370	9.43
09/12/16 20:25:31.0	65.620	9.32
09/12/16 21:25:31.0	65.660	9.27
09/12/16 22:25:31.0	65.520	9.21

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09/12/16 23:25:31.0	65.370	9.16
09/13/16 00:25:31.0	65.190	9.11
09/13/16 01:25:31.0	65.010	9.05
09/13/16 02:25:31.0	64.800	8.98
09/13/16 03:25:31.0	64.580	8.94
09/13/16 04:25:31.0	64.510	8.85
09/13/16 05:25:31.0	64.540	8.80
09/13/16 06:25:31.0	64.580	8.76
09/13/16 07:25:31.0	64.650	8.75
09/13/16 08:25:31.0	64.720	8.89
09/13/16 09:25:31.0	64.760	9.06
09/13/16 10:25:31.0	64.760	9.31
09/13/16 11:25:31.0	65.160	9.84
09/13/16 12:25:31.0	65.550	10.05
09/13/16 13:25:31.0	65.950	10.04
09/13/16 14:25:31.0	65.730	9.80
09/13/16 15:25:31.0	65.590	9.82
09/13/16 16:25:31.0	65.480	9.69
09/13/16 17:25:31.0	65.440	9.64
09/13/16 18:25:31.0	65.370	9.44
09/13/16 19:25:31.0	65.370	9.25
09/13/16 20:25:31.0	65.440	9.20
09/13/16 21:25:31.0	65.410	9.15
09/13/16 22:25:31.0	65.230	9.11
09/13/16 23:25:31.0	65.080	9.10
09/14/16 00:25:31.0	64.830	9.07
09/14/16 01:25:31.0	64.510	9.04
09/14/16 02:25:31.0	64.150	8.98
09/14/16 03:25:31.0	63.790	8.95
09/14/16 04:25:31.0	63.460	8.92
09/14/16 05:25:31.0	63.140	8.89
09/14/16 06:25:31.0	62.890	8.87
09/14/16 07:25:31.0	62.600	8.93
09/14/16 08:25:31.0	62.560	9.09
09/14/16 09:25:31.0	62.780	9.29
09/14/16 10:25:31.0	63.460	9.62
09/14/16 11:25:31.0	64.290	9.96
09/14/16 12:25:31.0	65.300	10.21
09/14/16 13:25:31.0	65.160	10.07
09/14/16 15:25:31.0	64.980	10.15
09/14/16 16:25:31.0	64.980	9.98
09/14/16 17:25:31.0	64.540	9.85
09/14/16 18:25:31.0	64.220	9.61
09/14/16 19:25:31.0	64.330	9.50
09/14/16 20:25:31.0	64.510	9.43
09/14/16 21:25:31.0	64.540	9.41
09/14/16 22:25:31.0	64.290	9.37
09/14/16 23:25:31.0	63.930	9.35
09/15/16 00:25:31.0	63.570	9.32
09/15/16 01:25:31.0	63.140	9.30
09/15/16 02:25:31.0	62.670	9.28

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09/15/16 03:25:31.0	62.200	9.23
09/15/16 04:25:31.0	61.880	9.21
09/15/16 05:25:31.0	61.630	9.16
09/15/16 06:25:31.0	61.480	9.15
09/15/16 07:25:31.0	61.410	9.29
09/15/16 08:25:31.0	61.480	9.53
09/15/16 09:25:31.0	61.770	9.84
09/15/16 10:25:31.0	62.310	10.12
09/15/16 11:25:31.0	63.210	10.44
09/15/16 12:25:31.0	63.790	10.38
09/15/16 13:25:31.0	64.330	10.52
09/15/16 14:25:31.0	64.220	10.38
09/15/16 15:25:31.0	64.180	10.64
09/15/16 16:25:31.0	63.970	10.11
09/15/16 17:25:31.0	64.220	9.94
09/15/16 18:25:31.0	64.400	9.74
09/15/16 19:25:31.0	64.290	9.52
09/15/16 20:25:31.0	64.180	9.42
09/15/16 21:25:31.0	64.150	9.38
09/15/16 22:25:31.0	63.930	9.35
09/15/16 23:25:31.0	63.610	9.33
09/16/16 00:25:31.0	63.320	9.30
09/16/16 01:25:31.0	63.000	9.27
09/16/16 02:25:31.0	62.710	9.23
09/16/16 03:25:31.0	62.490	9.20
09/16/16 04:25:31.0	62.280	9.16
09/16/16 05:25:31.0	62.060	9.13
09/16/16 06:25:31.0	62.060	9.09
09/16/16 07:25:31.0	62.100	9.06
09/16/16 08:25:31.0	62.170	9.16
09/16/16 09:25:31.0	62.310	9.25
09/16/16 10:25:31.0	62.420	9.28
09/16/16 11:25:31.0	62.530	9.19
09/16/16 12:25:31.0	62.560	9.09
09/16/16 13:25:31.0	62.600	9.09
09/16/16 14:25:31.0	62.640	9.23
09/16/16 15:25:31.0	62.670	9.40
09/16/16 16:25:31.0	62.670	9.48
09/16/16 17:25:31.0	62.530	9.38
09/16/16 18:25:31.0	62.460	9.22
09/16/16 19:25:31.0	62.280	9.05
09/16/16 20:25:31.0	62.170	9.03
09/16/16 21:25:31.0	62.100	9.06
09/16/16 22:25:31.0	62.060	9.04
09/16/16 23:25:31.0	62.060	9.10
09/17/16 00:25:31.0	61.950	9.09
09/17/16 01:25:31.0	61.920	9.07
09/17/16 02:25:31.0	61.880	9.03
09/17/16 03:25:31.0	61.810	9.01
09/17/16 04:25:31.0	61.740	9.01
09/17/16 05:25:31.0	61.660	9.01

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09/17/16 06:25:31.0	61.590	9.02
09/17/16 07:25:31.0	61.560	9.04
09/17/16 08:25:31.0	61.560	9.11
09/17/16 09:25:31.0	61.630	9.22
09/17/16 10:25:31.0	61.840	9.39
09/17/16 11:25:31.0	62.310	9.53
09/17/16 12:25:31.0	62.560	9.49
09/17/16 13:25:31.0	62.780	9.53
09/17/16 14:25:31.0	63.280	9.62
09/17/16 15:25:31.0	63.100	9.57
09/17/16 16:25:31.0	63.390	9.56
09/17/16 17:25:31.0	63.500	9.47
09/17/16 18:25:31.0	63.540	9.37
09/17/16 19:25:31.0	63.540	9.27
09/17/16 20:25:31.0	63.500	9.20
09/17/16 21:25:31.0	63.500	9.18
09/17/16 22:25:31.0	63.460	9.13
09/17/16 23:25:31.0	63.360	9.09
09/18/16 00:25:31.0	63.320	9.05
09/18/16 01:25:31.0	63.320	9.04
09/18/16 02:25:31.0	63.180	9.05
09/18/16 03:25:31.0	63.000	9.05
09/18/16 04:25:31.0	62.710	9.07
09/18/16 05:25:31.0	62.350	9.11
09/18/16 06:25:31.0	61.990	9.15
09/18/16 07:25:31.0	61.630	9.22
09/18/16 08:25:31.0	61.450	9.32
09/18/16 09:25:31.0	61.520	9.46
09/18/16 10:25:31.0	61.810	9.61
09/18/16 11:25:31.0	62.310	9.75
09/18/16 12:25:31.0	62.710	9.92
09/18/16 13:25:31.0	63.070	9.96
09/18/16 14:25:31.0	63.320	9.92
09/18/16 15:25:31.0	63.820	9.82
09/18/16 16:25:31.0	63.930	9.66
09/18/16 16:52:45.0	65.340	9.53
09/18/16 17:52:45.0	64.110	9.47
09/18/16 18:52:45.0	64.180	9.37
09/18/16 19:52:45.0	64.180	9.28
09/18/16 20:52:45.0	64.040	9.20
09/18/16 21:52:45.0	63.860	9.15
09/18/16 22:52:45.0	63.680	9.11
09/18/16 23:52:45.0	63.570	9.06
09/19/16 00:52:45.0	63.500	9.03
09/19/16 01:52:45.0	63.430	9.02
09/19/16 02:52:45.0	63.360	9.01
09/19/16 03:52:45.0	63.210	9.01
09/19/16 04:52:45.0	62.960	9.03
09/19/16 05:52:45.0	62.670	9.04
09/19/16 06:52:45.0	62.380	9.09
09/19/16 07:52:45.0	62.170	9.16

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09/19/16 08:52:45.0	62.200	9.25
09/19/16 09:52:45.0	62.640	9.51
09/19/16 10:52:45.0	63.140	9.65
09/19/16 11:52:45.0	63.100	9.53
09/19/16 12:52:45.0	63.000	9.57
09/19/16 13:52:45.0	62.960	9.50
09/19/16 14:52:45.0	63.320	9.61
09/19/16 15:52:45.0	63.820	9.55
09/19/16 16:52:45.0	64.040	9.43
09/19/16 17:52:45.0	63.970	9.30
09/19/16 18:52:45.0	63.860	9.23
09/19/16 19:52:45.0	63.790	9.21
09/19/16 20:52:45.0	63.720	9.20
09/19/16 21:52:45.0	63.640	9.15
09/19/16 22:52:45.0	63.610	9.11
09/19/16 23:52:45.0	63.460	9.07
09/20/16 00:52:45.0	63.250	9.06
09/20/16 01:52:45.0	62.960	9.06
09/20/16 02:52:45.0	62.670	9.07
09/20/16 03:52:45.0	62.380	9.11
09/20/16 04:52:45.0	62.100	9.12
09/20/16 05:52:45.0	61.770	9.14
09/20/16 06:52:45.0	61.410	9.19
09/20/16 07:52:45.0	61.120	9.28
09/20/16 08:52:45.0	61.090	9.41
09/20/16 09:52:45.0	61.520	9.67
09/20/16 10:52:45.0	62.240	9.86
09/20/16 11:52:45.0	62.670	9.95
09/20/16 12:52:45.0	62.640	10.07
09/20/16 13:52:45.0	62.420	10.02
09/20/16 14:52:45.0	62.460	10.03
09/20/16 15:52:45.0	62.640	9.95
09/20/16 16:52:45.0	62.890	9.91
09/20/16 17:52:45.0	63.070	9.77
09/20/16 18:52:45.0	63.000	9.58
09/20/16 19:52:45.0	62.820	9.47
09/20/16 20:52:45.0	62.670	9.41
09/20/16 21:52:45.0	62.600	9.37
09/20/16 22:52:45.0	62.530	9.35
09/20/16 23:52:45.0	62.530	9.30
09/21/16 00:52:45.0	62.490	9.24
09/21/16 01:52:45.0	62.490	9.22
09/21/16 02:52:45.0	62.380	9.19
09/21/16 03:52:45.0	62.200	9.21
09/21/16 04:52:45.0	62.060	9.22
09/21/16 05:52:45.0	61.880	9.22
09/21/16 06:52:45.0	61.660	9.23
09/21/16 07:52:45.0	61.560	9.28
09/21/16 08:52:45.0	61.480	9.44
09/21/16 09:52:45.0	61.700	9.73
09/21/16 10:52:45.0	62.380	9.93

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09/21/16 11:52:45.0	62.960	10.05
09/21/16 12:52:45.0	63.430	10.10
09/21/16 13:52:45.0	63.640	10.05
09/21/16 14:52:45.0	63.900	10.05
09/21/16 15:52:45.0	63.970	9.94
09/21/16 16:52:45.0	64.150	9.86
09/21/16 17:52:45.0	64.180	9.65
09/21/16 18:52:45.0	64.080	9.48
09/21/16 19:52:45.0	63.900	9.39
09/21/16 20:52:45.0	63.750	9.33
09/21/16 21:52:45.0	63.500	9.28
09/21/16 22:52:45.0	63.320	9.23
09/21/16 23:52:45.0	63.180	9.18
09/22/16 00:52:45.0	63.100	9.12
09/22/16 01:52:45.0	63.100	9.07
09/22/16 02:52:45.0	63.100	9.04
09/22/16 03:52:45.0	63.140	9.02
09/22/16 04:52:45.0	63.070	9.01
09/22/16 05:52:45.0	62.920	8.98
09/22/16 06:52:45.0	62.740	8.97
09/22/16 07:52:45.0	62.560	9.06
09/22/16 08:52:45.0	62.460	9.18
09/22/16 09:52:45.0	62.420	9.37
09/22/16 10:52:45.0	62.560	9.60
09/22/16 11:52:45.0	62.850	9.88
09/22/16 12:52:45.0	63.680	10.10
09/22/16 13:52:45.0	63.860	10.06
09/22/16 14:52:45.0	63.750	9.78
09/22/16 15:52:45.0	63.860	9.79
09/22/16 16:52:45.0	63.900	9.61
09/22/16 17:52:45.0	63.860	9.43
09/22/16 18:52:45.0	63.970	9.31
09/22/16 19:52:45.0	64.040	9.22
09/22/16 20:52:45.0	64.000	9.16
09/22/16 21:52:45.0	63.790	9.11
09/22/16 22:52:45.0	63.540	9.06
09/22/16 23:52:45.0	63.280	9.03
09/23/16 00:52:45.0	63.100	9.00
09/23/16 01:52:45.0	63.000	8.97
09/23/16 02:52:45.0	62.920	8.95
09/23/16 03:52:45.0	62.820	8.95
09/23/16 04:52:45.0	62.710	8.92
09/23/16 05:52:45.0	62.560	8.93
09/23/16 06:52:45.0	62.420	8.95
09/23/16 07:52:45.0	62.200	9.05
09/23/16 08:52:45.0	62.200	9.20
09/23/16 09:52:45.0	62.600	9.53
09/23/16 10:52:45.0	63.860	9.77
09/23/16 11:52:45.0	65.010	10.03
09/23/16 12:52:45.0	65.080	10.03
09/23/16 13:52:45.0	65.050	9.94

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09/23/16 14:52:45.0	64.580	9.89
09/23/16 15:52:45.0	64.470	9.85
09/23/16 16:52:45.0	64.400	9.73
09/23/16 17:52:45.0	64.330	9.68
09/23/16 18:52:45.0	64.150	9.48
09/23/16 19:52:45.0	63.930	9.33
09/23/16 20:52:45.0	63.640	9.28
09/23/16 21:52:45.0	63.320	9.25
09/23/16 22:52:45.0	62.960	9.23
09/23/16 23:52:45.0	62.640	9.20
09/24/16 00:52:45.0	62.200	9.19
09/24/16 01:52:45.0	61.950	9.16
09/24/16 02:52:45.0	61.700	9.13
09/24/16 03:52:45.0	61.410	9.10
09/24/16 04:52:45.0	61.230	9.07
09/24/16 05:52:45.0	61.090	9.04
09/24/16 06:52:45.0	60.940	9.04
09/24/16 07:52:45.0	60.940	9.18
09/24/16 08:52:45.0	61.090	9.40
09/24/16 09:52:45.0	61.770	9.89
09/24/16 10:52:45.0	63.790	10.02
09/24/16 11:52:45.0	64.690	10.13
09/24/16 12:52:45.0	64.980	10.16
09/24/16 13:52:45.0	64.760	10.05
09/24/16 14:52:45.0	63.610	10.03
09/24/16 15:52:45.0	63.360	9.87
09/24/16 16:52:45.0	63.140	9.83
09/24/16 17:52:45.0	63.030	9.70
09/24/16 18:52:45.0	62.780	9.59
09/24/16 19:52:45.0	62.530	9.50
09/24/16 20:52:45.0	62.200	9.48
09/24/16 21:52:45.0	61.990	9.44
09/24/16 22:52:45.0	61.840	9.39
09/24/16 23:52:45.0	61.630	9.34
09/25/16 00:52:45.0	61.630	9.29
09/25/16 01:52:45.0	61.450	9.23
09/25/16 02:52:45.0	61.200	9.21
09/25/16 03:52:45.0	61.120	9.14
09/25/16 04:52:45.0	61.050	9.13
09/25/16 05:52:45.0	61.120	9.07
09/25/16 06:52:45.0	61.160	9.03
09/25/16 07:52:45.0	61.270	9.06
09/25/16 08:52:45.0	61.480	9.28
09/25/16 09:52:45.0	61.700	9.46
09/25/16 10:52:45.0	62.020	9.62
09/25/16 11:52:45.0	62.100	9.55
09/25/16 12:52:45.0	62.060	9.46
09/25/16 13:52:45.0	61.950	9.31
09/25/16 14:52:45.0	61.950	9.39
09/25/16 15:52:45.0	61.990	9.44
09/25/16 16:52:45.0	61.810	9.21

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09/25/16 17:52:45.0	61.660	9.15
09/25/16 18:52:45.0	61.560	9.13
09/25/16 19:52:45.0	61.450	9.11
09/25/16 20:52:45.0	61.410	9.13
09/25/16 21:52:45.0	61.380	9.12
09/25/16 22:52:45.0	61.230	9.11
09/25/16 23:52:45.0	61.020	9.11
09/26/16 00:52:45.0	60.840	9.11
09/26/16 01:52:45.0	60.730	9.09
09/26/16 02:52:45.0	60.580	9.07
09/26/16 03:52:45.0	60.400	9.05
09/26/16 04:52:45.0	60.260	9.05
09/26/16 05:52:45.0	59.940	9.06
09/26/16 06:52:45.0	59.610	9.06
09/26/16 07:52:45.0	59.610	9.19
09/26/16 08:52:45.0	59.720	9.41
09/26/16 09:52:45.0	59.790	9.53
09/26/16 10:52:45.0	59.900	9.74
09/26/16 11:52:45.0	60.040	9.94
09/26/16 12:52:45.0	59.830	9.86
09/26/16 13:52:45.0	59.720	9.95
09/26/16 14:52:45.0	59.540	10.01
09/26/16 15:52:45.0	59.360	9.88
09/26/16 16:52:45.0	59.140	9.70
09/26/16 17:52:45.0	58.890	9.58
09/26/16 18:52:45.0	58.640	9.49
09/26/16 19:52:45.0	58.390	9.47
09/26/16 20:52:45.0	58.240	9.49
09/26/16 21:52:45.0	58.100	9.53
09/26/16 22:52:45.0	57.960	9.53
09/26/16 23:52:45.0	57.880	9.52
09/27/16 00:52:45.0	57.670	9.52
09/27/16 01:52:45.0	57.520	9.51
09/27/16 02:52:45.0	57.340	9.50
09/27/16 03:52:45.0	57.130	9.51
09/27/16 04:52:45.0	56.980	9.51
09/27/16 05:52:45.0	56.800	9.52
09/27/16 06:52:45.0	56.660	9.55
09/27/16 07:52:45.0	56.620	9.65
09/27/16 08:52:45.0	56.770	9.93
09/27/16 09:52:45.0	56.840	10.02
09/27/16 10:52:45.0	56.770	10.06
09/27/16 11:52:45.0	56.660	10.10
09/27/16 12:52:45.0	56.730	10.26
09/27/16 13:52:45.0	56.730	10.31
09/27/16 14:52:45.0	56.800	10.37
09/27/16 15:52:45.0	56.770	10.35
09/27/16 16:52:45.0	56.660	10.26
09/27/16 17:52:45.0	56.590	10.13
09/27/16 18:52:45.0	56.480	10.02
09/27/16 19:52:45.0	56.370	9.94

US2_Merged

09/27/16 20:52:45.0	56.300	9.91
09/27/16 21:52:45.0	56.260	9.88
09/27/16 22:52:45.0	56.230	9.93
09/27/16 23:52:45.0	56.160	9.94
09/28/16 00:52:45.0	55.980	9.92
09/28/16 01:52:45.0	55.800	9.89
09/28/16 02:52:45.0	55.540	9.89
09/28/16 03:52:45.0	55.260	9.89
09/28/16 04:52:45.0	55.110	9.91
09/28/16 05:52:45.0	55.000	9.91
09/28/16 06:52:45.0	54.970	9.92
09/28/16 07:52:45.0	55.040	10.03
09/28/16 08:52:45.0	55.220	10.29
09/28/16 09:52:45.0	55.470	10.52
09/28/16 10:52:45.0	56.190	10.72
09/28/16 11:52:45.0	56.910	10.79
09/28/16 12:52:45.0	56.980	10.83
09/28/16 13:52:45.0	56.880	10.77
09/28/16 14:52:45.0	56.730	10.76
09/28/16 15:52:45.0	56.950	10.85
09/28/16 16:52:45.0	56.840	10.68
09/28/16 17:52:45.0	56.800	10.53
09/28/16 18:52:45.0	56.660	10.37
09/28/16 19:52:45.0	56.590	10.31
09/28/16 20:52:45.0	56.550	10.29
09/28/16 21:52:45.0	56.440	10.25
09/28/16 22:52:45.0	56.300	10.22
09/28/16 23:52:45.0	56.120	10.19
09/29/16 00:52:45.0	55.940	10.14
09/29/16 01:52:45.0	55.830	10.10
09/29/16 02:52:45.0	55.690	10.05
09/29/16 03:52:45.0	55.540	10.03
09/29/16 04:52:45.0	55.400	10.01
09/29/16 05:52:45.0	55.330	10.01
09/29/16 06:52:45.0	55.290	10.02
09/29/16 07:52:45.0	55.470	10.13
09/29/16 08:52:45.0	55.720	10.37
09/29/16 09:52:45.0	56.120	10.57
09/29/16 10:52:45.0	57.600	10.70
09/29/16 11:52:45.0	58.500	10.87
09/29/16 12:52:45.0	59.180	10.80
09/29/16 13:52:45.0	59.400	10.71
09/29/16 14:52:45.0	58.860	10.76
09/29/16 15:52:45.0	58.890	10.67
09/29/16 16:52:45.0	58.930	10.56
09/29/16 17:52:45.0	58.890	10.39
09/29/16 18:52:45.0	58.890	10.28
09/29/16 19:52:45.0	58.780	10.19
09/29/16 20:52:45.0	58.640	10.14
09/29/16 21:52:45.0	58.420	10.10
09/29/16 22:52:45.0	58.170	10.05

US2_Merged

09/29/16 23:52:45.0	57.810	9.99
09/30/16 00:52:45.0	57.450	9.96
09/30/16 01:52:45.0	57.160	9.93
09/30/16 02:52:45.0	56.980	9.91
09/30/16 03:52:45.0	56.800	9.88
09/30/16 04:52:45.0	56.660	9.91
09/30/16 05:52:45.0	56.550	9.88
09/30/16 06:52:45.0	56.520	9.85
09/30/16 07:52:45.0	56.620	9.95
09/30/16 08:52:45.0	57.130	10.29
09/30/16 09:52:45.0	57.450	10.41
09/30/16 10:52:45.0	59.140	10.48
09/30/16 11:52:45.0	59.940	10.64
09/30/16 12:52:45.0	60.080	10.81
09/30/16 13:52:45.0	60.760	10.77
09/30/16 14:52:45.0	59.900	10.77
09/30/16 15:52:45.0	59.790	10.66
09/30/16 16:52:45.0	59.720	10.61
09/30/16 17:52:45.0	59.540	10.30
09/30/16 18:52:45.0	59.320	10.15
09/30/16 19:52:45.0	59.250	10.02
09/30/16 20:52:45.0	59.140	9.99
09/30/16 21:52:45.0	59.040	9.96
09/30/16 22:52:45.0	59.000	9.89
09/30/16 23:52:45.0	58.860	9.82
10/01/16 00:52:45.0	58.600	9.79
10/01/16 01:52:45.0	58.390	9.75
10/01/16 02:52:45.0	58.210	9.70
10/01/16 03:52:45.0	58.140	9.69
10/01/16 04:52:45.0	58.100	9.65
10/01/16 05:52:45.0	58.060	9.65
10/01/16 06:52:45.0	58.060	9.61
10/01/16 07:52:45.0	58.140	9.68
10/01/16 08:52:45.0	58.390	9.96

Power_Dam_Merged

Date Time	DO Conc (mg/L)	DO Adj Conc (mg/L)	Temp (°F)
07/17/16 12:00:00.0	7.98	7.98	73.22
07/17/16 13:00:00.0	7.94	7.94	73.33
07/17/16 14:00:00.0	7.94	7.94	73.40
07/17/16 15:00:00.0	7.85	7.85	73.36
07/17/16 16:00:00.0	7.92	7.93	73.65
07/17/16 17:00:00.0	7.89	7.90	73.62
07/17/16 18:00:00.0	7.92	7.93	73.69
07/17/16 19:00:00.0	7.89	7.90	73.72
07/17/16 20:00:00.0	7.86	7.87	73.69
07/17/16 21:00:00.0	7.87	7.88	73.65
07/17/16 22:00:00.0	7.88	7.90	73.54
07/17/16 23:00:00.0	7.85	7.87	73.44
07/18/16 00:00:00.0	7.86	7.88	73.26
07/18/16 01:00:00.0	7.88	7.90	73.08
07/18/16 02:00:00.0	7.89	7.91	72.90
07/18/16 03:00:00.0	7.92	7.94	72.75
07/18/16 04:00:00.0	7.93	7.96	72.64
07/18/16 05:00:00.0	7.93	7.96	72.54
07/18/16 06:00:00.0	7.97	8.00	72.50
07/18/16 07:00:00.0	7.99	8.02	72.46
07/18/16 08:00:00.0	8.02	8.05	72.50
07/18/16 09:00:00.0	8.03	8.06	72.57
07/18/16 10:00:00.0	8.03	8.07	72.72
07/18/16 11:00:00.0	8.02	8.06	72.90
07/18/16 12:00:00.0	7.99	8.03	73.04
07/18/16 13:00:00.0	7.98	8.02	73.26
07/18/16 14:00:00.0	7.96	8.00	73.44
07/18/16 15:00:00.0	7.98	8.02	73.69
07/18/16 16:00:00.0	7.95	8.00	73.65
07/18/16 17:00:00.0	7.98	8.03	73.65
07/18/16 18:00:00.0	7.98	8.03	73.62
07/18/16 19:00:00.0	7.97	8.02	73.54
07/18/16 20:00:00.0	7.98	8.03	73.47
07/18/16 21:00:00.0	7.95	8.00	73.40
07/18/16 22:00:00.0	7.98	8.04	73.29
07/18/16 23:00:00.0	7.99	8.05	73.26
07/19/16 00:00:00.0	8.03	8.09	73.22
07/19/16 01:00:00.0	8.04	8.10	73.22
07/19/16 02:00:00.0	8.07	8.13	73.22
07/19/16 03:00:00.0	8.11	8.18	73.22
07/19/16 04:00:00.0	8.11	8.18	73.26
07/19/16 05:00:00.0	8.11	8.18	73.33
07/19/16 06:00:00.0	8.10	8.17	73.36
07/19/16 07:00:00.0	8.10	8.17	73.40
07/19/16 08:00:00.0	8.10	8.17	73.47
07/19/16 09:00:00.0	8.07	8.15	73.62
07/19/16 10:00:00.0	8.06	8.14	73.76
07/19/16 11:00:00.0	8.05	8.13	73.87
07/19/16 12:00:00.0	8.05	8.13	74.01
07/19/16 13:00:00.0	8.03	8.11	74.12

Power_Dam_Merged

07/19/16 14:00:00.0	8.04	8.12	74.26
07/19/16 15:00:00.0	8.05	8.14	74.41
07/19/16 16:00:00.0	8.07	8.16	74.48
07/19/16 17:00:00.0	8.08	8.17	74.48
07/19/16 18:00:00.0	8.12	8.21	74.55
07/19/16 19:00:00.0	8.13	8.22	74.52
07/19/16 20:00:00.0	8.10	8.19	74.37
07/19/16 21:00:00.0	8.11	8.21	74.26
07/19/16 22:00:00.0	8.11	8.21	74.23
07/19/16 23:00:00.0	8.10	8.20	74.16
07/20/16 00:00:00.0	8.13	8.23	74.08
07/20/16 01:00:00.0	8.14	8.24	73.90
07/20/16 02:00:00.0	8.14	8.24	73.87
07/20/16 03:00:00.0	8.17	8.28	73.90
07/20/16 04:00:00.0	8.16	8.27	73.94
07/20/16 05:00:00.0	8.13	8.24	73.98
07/20/16 06:00:00.0	8.12	8.23	74.01
07/20/16 07:00:00.0	8.12	8.23	74.05
07/20/16 08:00:00.0	8.07	8.18	74.12
07/20/16 09:00:00.0	8.05	8.17	74.26
07/20/16 10:00:00.0	8.03	8.15	74.41
07/20/16 11:00:00.0	8.03	8.15	74.59
07/20/16 12:00:00.0	8.03	8.15	74.77
07/20/16 13:00:00.0	8.02	8.14	74.91
07/20/16 14:00:00.0	8.03	8.15	75.09
07/20/16 15:00:00.0	8.02	8.14	75.13
07/20/16 16:00:00.0	8.06	8.19	75.38
07/20/16 17:00:00.0	8.04	8.17	75.42
07/20/16 18:00:00.0	8.14	8.27	75.56
07/20/16 19:00:00.0	8.13	8.26	75.63
07/20/16 20:00:00.0	8.08	8.21	75.63
07/20/16 21:00:00.0	8.07	8.21	75.60
07/20/16 22:00:00.0	8.06	8.20	75.42
07/20/16 23:00:00.0	8.05	8.19	75.34
07/21/16 00:00:00.0	8.02	8.16	75.24
07/21/16 01:00:00.0	8.03	8.17	75.24
07/21/16 02:00:00.0	8.03	8.17	75.24
07/21/16 03:00:00.0	8.05	8.20	75.31
07/21/16 04:00:00.0	8.05	8.20	75.38
07/21/16 05:00:00.0	8.03	8.18	75.45
07/21/16 06:00:00.0	8.01	8.16	75.56
07/21/16 07:00:00.0	7.88	8.03	75.67
07/21/16 08:00:00.0	7.84	7.99	75.81
07/21/16 09:00:00.0	7.84	7.99	75.96
07/21/16 10:00:00.0	7.80	7.95	76.14
07/21/16 11:00:00.0	7.79	7.94	76.24
07/21/16 12:00:00.0	7.77	7.92	76.42
07/21/16 13:00:00.0	7.76	7.92	76.68
07/21/16 14:00:00.0	7.71	7.87	76.89
07/21/16 15:00:00.0	7.71	7.87	77.07
07/21/16 16:00:00.0	7.71	7.87	77.32

Power_Dam_Merged

07/21/16 17:00:00.0	7.65	7.81	77.32
07/21/16 18:00:00.0	7.59	7.75	77.25
07/21/16 19:00:00.0	7.61	7.77	77.29
07/21/16 20:00:00.0	7.58	7.74	77.36
07/21/16 21:00:00.0	7.55	7.71	77.32
07/21/16 22:00:00.0	7.55	7.72	77.25
07/21/16 23:00:00.0	7.49	7.66	77.14
07/22/16 00:00:00.0	7.48	7.65	77.07
07/22/16 01:00:00.0	7.55	7.72	77.11
07/22/16 02:00:00.0	7.53	7.70	77.07
07/22/16 03:00:00.0	7.53	7.70	77.04
07/22/16 04:00:00.0	7.56	7.74	76.96
07/22/16 05:00:00.0	7.57	7.75	76.96
07/22/16 06:00:00.0	7.59	7.77	77.00
07/22/16 07:00:00.0	7.65	7.83	77.04
07/22/16 08:00:00.0	7.66	7.84	77.11
07/22/16 09:00:00.0	7.66	7.85	77.22
07/22/16 10:00:00.0	7.66	7.85	77.36
07/22/16 11:00:00.0	7.65	7.84	77.47
07/22/16 12:00:00.0	7.65	7.84	77.68
07/22/16 13:00:00.0	7.66	7.85	77.90
07/22/16 14:00:00.0	7.66	7.85	78.12
07/22/16 15:00:00.0	7.65	7.84	78.22
07/22/16 16:00:00.0	7.64	7.84	78.33
07/22/16 17:00:00.0	7.65	7.85	78.44
07/22/16 18:00:00.0	7.98	8.19	78.62
07/22/16 19:00:00.0	7.67	7.87	78.55
07/22/16 20:00:00.0	7.61	7.81	78.26
07/22/16 21:00:00.0	7.60	7.80	77.97
07/22/16 22:00:00.0	7.61	7.81	77.86
07/22/16 23:00:00.0	7.61	7.82	77.76
07/23/16 00:00:00.0	7.61	7.82	77.72
07/23/16 01:00:00.0	7.64	7.85	77.65
07/23/16 02:00:00.0	7.64	7.85	77.61
07/23/16 03:00:00.0	7.65	7.86	77.61
07/23/16 04:00:00.0	7.60	7.81	77.54
07/23/16 05:00:00.0	7.59	7.81	77.50
07/23/16 06:00:00.0	7.57	7.79	77.50
07/23/16 07:00:00.0	7.57	7.79	77.50
07/23/16 08:00:00.0	7.67	7.89	77.58
07/23/16 09:00:00.0	7.65	7.87	77.76
07/23/16 10:00:00.0	7.64	7.86	78.01
07/23/16 11:00:00.0	7.62	7.85	78.26
07/23/16 12:00:00.0	7.70	7.93	78.55
07/23/16 13:00:00.0	7.76	7.99	78.73
07/23/16 14:00:00.0	7.77	8.01	78.73
07/23/16 15:00:00.0	7.80	8.04	78.76
07/23/16 16:00:00.0	7.76	8.00	78.66
07/23/16 17:00:00.0	7.68	7.92	78.55
07/23/16 18:00:00.0	7.68	7.92	78.51
07/23/16 19:00:00.0	7.61	7.85	78.40

Power_Dam_Merged

07/23/16 20:00:00.0	7.61	7.85	78.40
07/23/16 21:00:00.0	7.58	7.82	78.30
07/23/16 22:00:00.0	7.62	7.86	78.26
07/23/16 23:00:00.0	7.59	7.83	78.12
07/24/16 00:00:00.0	7.59	7.84	78.01
07/24/16 01:00:00.0	7.58	7.83	77.86
07/24/16 02:00:00.0	7.55	7.80	77.90
07/24/16 03:00:00.0	7.52	7.77	77.86
07/24/16 04:00:00.0	7.48	7.73	77.90
07/24/16 05:00:00.0	7.50	7.75	77.94
07/24/16 06:00:00.0	7.48	7.73	78.01
07/24/16 07:00:00.0	7.52	7.77	78.12
07/24/16 08:00:00.0	7.53	7.79	78.22
07/24/16 09:00:00.0	7.52	7.78	78.33
07/24/16 10:00:00.0	7.56	7.82	78.40
07/24/16 10:31:33.0			
07/24/16 10:31:34.0			
07/24/16 10:31:39.0			
07/24/16 11:00:00.0	7.56	7.82	78.44
07/24/16 12:00:00.0	7.60	7.86	78.37
07/24/16 13:00:00.0	7.59	7.85	78.26
07/24/16 14:00:00.0	7.56	7.82	78.19
07/24/16 15:00:00.0	7.55	7.81	78.01
07/24/16 16:00:00.0	7.52	7.78	78.12
07/24/16 17:00:00.0	7.52	7.78	78.08
07/24/16 18:00:00.0	7.52	7.78	78.12
07/24/16 19:00:00.0	7.51	7.77	78.15
07/24/16 20:00:00.0	7.47	7.72	78.04
07/24/16 21:00:00.0	7.43	7.68	77.94
07/24/16 22:00:00.0	7.42	7.67	77.86
07/24/16 23:00:00.0	7.41	7.66	77.79
07/25/16 00:00:00.0	7.39	7.64	77.76
07/25/16 01:00:00.0	7.39	7.64	77.72
07/25/16 02:00:00.0	7.37	7.62	77.72
07/25/16 03:00:00.0	7.37	7.62	77.68
07/25/16 04:00:00.0	7.37	7.62	77.65
07/25/16 05:00:00.0	7.38	7.63	77.61
07/25/16 06:00:00.0	7.44	7.69	77.58
07/25/16 07:00:00.0	7.47	7.72	77.50
07/25/16 08:00:00.0	7.47	7.72	77.47
07/25/16 09:00:00.0	7.49	7.74	77.50
07/25/16 10:00:00.0	7.35	7.59	77.61
07/25/16 11:00:00.0	7.38	7.63	77.83
07/25/16 12:00:00.0	7.38	7.62	78.04
07/25/16 13:00:00.0	7.41	7.66	78.22
07/25/16 14:00:00.0	7.41	7.66	78.37
07/25/16 15:00:00.0	7.42	7.67	78.51
07/25/16 16:00:00.0	7.41	7.65	78.55
07/25/16 17:00:00.0	7.43	7.67	78.55
07/25/16 18:00:00.0	7.44	7.68	78.48
07/25/16 19:00:00.0	7.49	7.74	78.40

Power_Dam_Merged

07/25/16 20:00:00.0	7.46	7.70	78.33
07/25/16 21:00:00.0	7.47	7.71	78.22
07/25/16 22:00:00.0	7.48	7.72	78.15
07/25/16 23:00:00.0	7.50	7.74	78.08
07/26/16 00:00:00.0	7.49	7.73	78.01
07/26/16 01:00:00.0	7.53	7.78	77.94
07/26/16 02:00:00.0	7.57	7.82	77.90
07/26/16 03:00:00.0	7.61	7.86	77.90
07/26/16 04:00:00.0	7.61	7.86	77.90
07/26/16 05:00:00.0	7.62	7.87	77.94
07/26/16 06:00:00.0	7.62	7.87	77.94
07/26/16 07:00:00.0	7.62	7.87	77.94
07/26/16 08:00:00.0	7.60	7.84	77.94
07/26/16 09:00:00.0	7.60	7.84	77.97
07/26/16 10:00:00.0	7.58	7.82	78.04
07/26/16 11:00:00.0	7.59	7.83	78.12
07/26/16 12:00:00.0	7.57	7.81	78.15
07/26/16 13:00:00.0	7.55	7.79	78.30
07/26/16 14:00:00.0	7.58	7.82	78.48
07/26/16 15:00:00.0	7.57	7.81	78.58
07/26/16 16:00:00.0	7.57	7.81	78.73
07/26/16 17:00:00.0	7.57	7.81	78.76
07/26/16 18:00:00.0	7.59	7.83	78.76
07/26/16 19:00:00.0	7.59	7.83	78.73
07/26/16 20:00:00.0	7.55	7.79	78.66
07/26/16 21:00:00.0	7.52	7.76	78.58
07/26/16 22:00:00.0	7.51	7.75	78.48
07/26/16 23:00:00.0	7.53	7.77	78.40
07/27/16 00:00:00.0	7.55	7.79	78.33
07/27/16 01:00:00.0	7.55	7.79	78.30
07/27/16 02:00:00.0	7.55	7.79	78.30
07/27/16 03:00:00.0	7.53	7.77	78.33
07/27/16 04:00:00.0	7.55	7.79	78.40
07/27/16 05:00:00.0	7.52	7.75	78.51
07/27/16 06:00:00.0	7.49	7.72	78.58
07/27/16 07:00:00.0	7.48	7.71	78.66
07/27/16 08:00:00.0	7.49	7.72	78.73
07/27/16 09:00:00.0	7.51	7.74	78.80
07/27/16 10:00:00.0	7.48	7.71	78.84
07/27/16 11:00:00.0	7.42	7.65	78.84
07/27/16 12:00:00.0	7.39	7.62	78.84
07/27/16 13:00:00.0	7.35	7.58	78.91
07/27/16 14:00:00.0	7.34	7.57	78.87
07/27/16 15:00:00.0	7.35	7.58	78.94
07/27/16 16:00:00.0	7.32	7.54	78.91
07/27/16 17:00:00.0	7.30	7.52	78.91
07/27/16 18:00:00.0	7.34	7.56	78.91
07/27/16 19:00:00.0	7.35	7.57	78.87
07/27/16 20:00:00.0	7.34	7.56	78.80
07/27/16 21:00:00.0	7.35	7.57	78.66
07/27/16 22:00:00.0	7.37	7.59	78.51

Power_Dam_Merged

07/27/16 23:00:00.0	7.40	7.62	78.37
07/28/16 00:00:00.0	7.41	7.63	78.19
07/28/16 01:00:00.0	7.42	7.64	77.97
07/28/16 02:00:00.0	7.46	7.68	77.79
07/28/16 03:00:00.0	7.47	7.69	77.61
07/28/16 04:00:00.0	7.46	7.68	77.47
07/28/16 05:00:00.0	7.46	7.68	77.36
07/28/16 06:00:00.0	7.48	7.70	77.25
07/28/16 07:00:00.0	7.47	7.69	77.18
07/28/16 08:00:00.0	7.50	7.72	77.07
07/28/16 09:00:00.0	7.47	7.69	77.04
07/28/16 10:00:00.0	7.48	7.70	77.04
07/28/16 11:00:00.0	7.46	7.68	77.11
07/28/16 12:00:00.0	7.46	7.68	77.22
07/28/16 13:00:00.0	7.46	7.68	77.36
07/28/16 14:00:00.0	7.43	7.65	77.29
07/28/16 15:00:00.0	7.48	7.70	77.32
07/28/16 16:00:00.0	7.55	7.77	77.47
07/28/16 17:00:00.0	7.61	7.83	77.58
07/28/16 18:00:00.0	7.60	7.82	77.47
07/28/16 19:00:00.0	7.59	7.81	77.40
07/28/16 20:00:00.0	7.60	7.82	77.25
07/28/16 21:00:00.0	7.58	7.80	77.11
07/28/16 22:00:00.0	7.57	7.79	77.00
07/28/16 23:00:00.0	7.53	7.75	76.86
07/29/16 00:00:00.0	7.51	7.73	76.75
07/29/16 01:00:00.0	7.51	7.73	76.60
07/29/16 02:00:00.0	7.50	7.72	76.46
07/29/16 03:00:00.0	7.51	7.73	76.35
07/29/16 04:00:00.0	7.53	7.75	76.24
07/29/16 05:00:00.0	7.57	7.79	76.21
07/29/16 06:00:00.0	7.59	7.81	76.17
07/29/16 07:00:00.0	7.61	7.83	76.21
07/29/16 08:00:00.0	7.52	7.74	76.28
07/29/16 09:00:00.0	7.51	7.73	76.35
07/29/16 10:00:00.0	7.49	7.70	76.46
07/29/16 11:00:00.0	7.53	7.74	76.60
07/29/16 12:00:00.0	7.52	7.73	76.68
07/29/16 13:00:00.0	7.57	7.79	76.82
07/29/16 14:00:00.0	7.57	7.79	76.86
07/29/16 15:00:00.0	7.55	7.76	77.00
07/29/16 16:00:00.0	7.57	7.78	77.07
07/29/16 17:00:00.0	7.59	7.80	77.14
07/29/16 18:00:00.0	7.62	7.83	77.14
07/29/16 19:00:00.0	7.59	7.80	77.07
07/29/16 20:00:00.0	7.61	7.82	77.07
07/29/16 21:00:00.0	7.61	7.82	77.00
07/29/16 22:00:00.0	7.61	7.82	76.96
07/29/16 23:00:00.0	7.59	7.80	76.86
07/30/16 00:00:00.0	7.60	7.81	76.78
07/30/16 01:00:00.0	7.62	7.83	76.71

Power_Dam_Merged

07/30/16 02:00:00.0	7.64	7.85	76.68
07/30/16 03:00:00.0	7.65	7.86	76.64
07/30/16 04:00:00.0	7.67	7.88	76.64
07/30/16 05:00:00.0	7.65	7.86	76.60
07/30/16 06:00:00.0	7.61	7.82	76.60
07/30/16 07:00:00.0	7.59	7.80	76.57
07/30/16 08:00:00.0	7.60	7.81	76.53
07/30/16 09:00:00.0	7.57	7.78	76.64
07/30/16 10:00:00.0	7.59	7.80	76.71
07/30/16 11:00:00.0	7.59	7.80	76.78
07/30/16 12:00:00.0	7.60	7.81	76.78
07/30/16 13:00:00.0	7.61	7.82	76.89
07/30/16 14:00:00.0	7.61	7.82	77.04
07/30/16 15:00:00.0	7.56	7.77	77.04
07/30/16 16:00:00.0	7.64	7.85	77.22
07/30/16 17:00:00.0	7.66	7.87	77.22
07/30/16 18:00:00.0	7.62	7.83	77.18
07/30/16 19:00:00.0	7.64	7.85	77.14
07/30/16 20:00:00.0	7.60	7.80	77.11
07/30/16 21:00:00.0	7.61	7.81	77.04
07/30/16 22:00:00.0	7.61	7.81	76.96
07/30/16 23:00:00.0	7.62	7.82	76.82
07/31/16 00:00:00.0	7.65	7.85	76.68
07/31/16 01:00:00.0	7.67	7.87	76.60
07/31/16 02:00:00.0	7.69	7.89	76.50
07/31/16 03:00:00.0	7.68	7.88	76.42
07/31/16 04:00:00.0	7.68	7.88	76.39
07/31/16 05:00:00.0	7.68	7.88	76.35
07/31/16 06:00:00.0	7.67	7.87	76.32
07/31/16 07:00:00.0	7.67	7.87	76.28
07/31/16 08:00:00.0	7.65	7.85	76.28
07/31/16 09:00:00.0	7.66	7.86	76.35
07/31/16 10:00:00.0	7.66	7.86	76.50
07/31/16 11:00:00.0	7.67	7.87	76.57
07/31/16 12:00:00.0	7.69	7.89	76.71
07/31/16 13:00:00.0	7.67	7.87	76.86
07/31/16 14:00:00.0	7.71	7.91	77.00
07/31/16 15:00:00.0	7.75	7.95	77.18
07/31/16 16:00:00.0	7.76	7.96	77.18
07/31/16 17:00:00.0	7.79	7.99	77.25
07/31/16 18:00:00.0	7.80	8.00	77.29
07/31/16 19:00:00.0	7.80	8.00	77.18
07/31/16 20:00:00.0	7.72	7.92	77.14
07/31/16 21:00:00.0	7.76	7.96	77.04
07/31/16 22:00:00.0	7.76	7.96	77.00
07/31/16 23:00:00.0	7.70	7.90	76.86
08/01/16 00:00:00.0	7.69	7.89	76.71
08/01/16 01:00:00.0	7.64	7.84	76.57
08/01/16 02:00:00.0	7.70	7.90	76.42
08/01/16 03:00:00.0	7.69	7.89	76.32
08/01/16 04:00:00.0	7.68	7.87	76.21

Power_Dam_Merged

08/01/16 05:00:00.0	7.68	7.87	76.14
08/01/16 06:00:00.0	7.69	7.88	76.14
08/01/16 07:00:00.0	7.70	7.89	76.14
08/01/16 08:00:00.0	7.69	7.88	76.24
08/01/16 09:00:00.0	7.67	7.86	76.35
08/01/16 10:00:00.0	7.68	7.87	76.53
08/01/16 11:00:00.0	7.66	7.85	76.71
08/01/16 12:00:00.0	7.70	7.89	76.86
08/01/16 13:00:00.0	7.86	8.06	77.04
08/01/16 14:00:00.0	7.87	8.07	77.18
08/01/16 15:00:00.0	7.89	8.09	77.25
08/01/16 16:00:00.0	7.87	8.07	77.18
08/01/16 17:00:00.0	7.89	8.09	77.22
08/01/16 18:00:00.0	7.88	8.07	77.07
08/01/16 19:00:00.0	7.85	8.04	77.04
08/01/16 20:00:00.0	7.81	8.00	76.93
08/01/16 21:00:00.0	7.80	7.99	76.82
08/01/16 22:00:00.0	7.79	7.98	76.75
08/01/16 23:00:00.0	7.80	7.99	76.71
08/02/16 00:00:00.0	7.78	7.97	76.64
08/02/16 01:00:00.0	7.80	7.99	76.60
08/02/16 02:00:00.0	7.79	7.98	76.53
08/02/16 03:00:00.0	7.77	7.96	76.46
08/02/16 04:00:00.0	7.78	7.97	76.42
08/02/16 05:00:00.0	7.76	7.95	76.39
08/02/16 06:00:00.0	7.79	7.98	76.42
08/02/16 07:00:00.0	7.71	7.90	76.50
08/02/16 08:00:00.0	7.89	8.08	76.64
08/02/16 09:00:00.0	7.92	8.11	76.78
08/02/16 10:00:00.0	7.92	8.11	76.89
08/02/16 11:00:00.0	7.98	8.17	77.04
08/02/16 12:00:00.0	7.97	8.16	77.22
08/02/16 13:00:00.0	7.99	8.18	77.29
08/02/16 14:00:00.0	7.95	8.14	77.43
08/02/16 14:30:16.0	8.17	8.13	80.35
08/02/16 15:30:16.0	7.96	7.92	77.40
08/02/16 16:30:16.0	7.90	7.86	77.43
08/02/16 17:30:16.0	7.89	7.86	77.40
08/02/16 18:30:16.0	7.93	7.90	77.40
08/02/16 19:30:16.0	7.89	7.86	77.29
08/02/16 20:30:16.0	7.83	7.80	77.18
08/02/16 21:30:16.0	7.83	7.80	77.14
08/02/16 22:30:16.0	7.84	7.81	77.11
08/02/16 23:30:16.0	7.80	7.77	77.07
08/03/16 00:30:16.0	7.76	7.74	77.00
08/03/16 01:30:16.0	7.75	7.73	76.96
08/03/16 02:30:16.0	7.75	7.73	77.00
08/03/16 03:30:16.0	7.75	7.73	77.00
08/03/16 04:30:16.0	7.76	7.74	77.04
08/03/16 05:30:16.0	7.77	7.75	77.07
08/03/16 06:30:16.0	7.80	7.78	77.14

Power_Dam_Merged

08/03/16 07:30:16.0	7.81	7.80	77.18
08/03/16 08:30:16.0	7.85	7.84	77.25
08/03/16 09:30:16.0	7.88	7.87	77.40
08/03/16 10:30:16.0	7.90	7.89	77.50
08/03/16 11:30:16.0	7.90	7.89	77.68
08/03/16 12:30:16.0	7.93	7.92	77.83
08/03/16 13:30:16.0	7.97	7.96	78.26
08/03/16 14:30:16.0	7.99	7.99	78.37
08/03/16 15:30:16.0	7.95	7.95	78.51
08/03/16 16:30:16.0	7.94	7.94	78.62
08/03/16 17:30:16.0	7.93	7.93	78.62
08/03/16 18:30:16.0	7.90	7.90	78.55
08/03/16 19:30:16.0	7.81	7.81	78.48
08/03/16 20:30:16.0	7.77	7.77	78.37
08/03/16 21:30:16.0	7.76	7.77	78.44
08/03/16 22:30:16.0	7.72	7.73	78.26
08/03/16 23:30:16.0	7.68	7.69	78.19
08/04/16 00:30:16.0	7.68	7.69	78.15
08/04/16 01:30:16.0	7.65	7.66	78.15
08/04/16 02:30:16.0	7.64	7.65	78.15
08/04/16 03:30:16.0	7.62	7.63	78.15
08/04/16 04:30:16.0	7.66	7.68	78.19
08/04/16 05:30:16.0	7.66	7.68	78.19
08/04/16 06:30:16.0	7.60	7.62	78.22
08/04/16 07:30:16.0	7.62	7.64	78.33
08/04/16 08:30:16.0	7.65	7.67	78.48
08/04/16 09:30:16.0	7.68	7.70	78.66
08/04/16 10:30:16.0	7.68	7.70	78.87
08/04/16 11:30:16.0	7.72	7.75	79.16
08/04/16 12:30:16.0	7.75	7.78	79.30
08/04/16 13:30:16.0	7.74	7.77	79.41
08/04/16 14:30:16.0	7.71	7.74	79.41
08/04/16 15:30:16.0	7.69	7.72	79.30
08/04/16 16:30:16.0	7.69	7.72	79.38
08/04/16 17:30:16.0	7.61	7.64	79.27
08/04/16 18:30:16.0	7.52	7.55	79.12
08/04/16 19:30:16.0	7.47	7.51	79.05
08/04/16 20:30:16.0	7.39	7.43	78.98
08/04/16 21:30:16.0	7.35	7.39	78.94
08/04/16 22:30:16.0	7.34	7.38	78.91
08/04/16 23:30:16.0	7.32	7.36	78.87
08/05/16 00:30:16.0	7.33	7.37	78.87
08/05/16 01:30:16.0	7.34	7.38	78.87
08/05/16 02:30:16.0	7.37	7.41	78.87
08/05/16 03:30:16.0	7.41	7.46	78.91
08/05/16 04:30:16.0	7.46	7.51	78.91
08/05/16 05:30:16.0	7.51	7.56	78.91
08/05/16 06:30:16.0	7.47	7.52	78.76
08/05/16 07:30:16.0	7.51	7.56	78.48
08/05/16 08:30:16.0	7.57	7.62	78.12
08/05/16 09:30:16.0	7.60	7.66	77.90

Power_Dam_Merged

08/05/16 10:30:16.0	7.64	7.70	77.83
08/05/16 11:30:16.0	7.61	7.67	77.79
08/05/16 12:30:16.0	7.69	7.75	77.94
08/05/16 13:30:16.0	7.67	7.73	78.01
08/05/16 14:30:16.0	7.66	7.72	78.08
08/05/16 15:30:16.0	7.71	7.78	78.12
08/05/16 16:30:16.0	7.64	7.71	78.12
08/05/16 17:30:16.0	7.67	7.74	78.19
08/05/16 18:30:16.0	7.60	7.67	78.08
08/05/16 19:30:16.0	7.61	7.68	78.01
08/05/16 20:30:16.0	7.60	7.67	77.86
08/05/16 21:30:16.0	7.58	7.65	77.68
08/05/16 22:30:16.0	7.58	7.65	77.54
08/05/16 23:30:16.0	7.55	7.62	77.43
08/06/16 00:30:16.0	7.59	7.67	77.29
08/06/16 01:30:16.0	7.59	7.67	77.14
08/06/16 02:30:16.0	7.60	7.68	77.00
08/06/16 03:30:16.0	7.60	7.68	76.82
08/06/16 04:30:16.0	7.61	7.69	76.68
08/06/16 05:30:16.0	7.66	7.74	76.53
08/06/16 06:30:16.0	7.67	7.76	76.42
08/06/16 07:30:16.0	7.70	7.79	76.35
08/06/16 08:30:16.0	7.72	7.81	76.35
08/06/16 09:30:16.0	7.74	7.83	76.42
08/06/16 10:30:16.0	7.75	7.84	76.60
08/06/16 11:30:16.0	7.75	7.84	76.78
08/06/16 12:30:16.0	7.70	7.79	76.96
08/06/16 13:30:16.0	7.71	7.81	77.22
08/06/16 14:30:16.0	7.72	7.82	77.43
08/06/16 15:30:16.0	7.74	7.84	77.47
08/06/16 16:30:16.0	7.75	7.85	77.58
08/06/16 17:30:16.0	7.72	7.82	77.54
08/06/16 18:30:16.0	7.69	7.79	77.47
08/06/16 19:30:16.0	7.66	7.76	77.29
08/06/16 20:30:16.0	7.66	7.77	77.18
08/06/16 21:30:16.0	7.60	7.71	76.96
08/06/16 22:30:16.0	7.59	7.70	76.71
08/06/16 23:30:16.0	7.58	7.69	76.53
08/07/16 00:30:16.0	7.58	7.69	76.39
08/07/16 01:30:16.0	7.56	7.67	76.21
08/07/16 02:30:16.0	7.52	7.63	76.06
08/07/16 03:30:16.0	7.48	7.59	75.96
08/07/16 04:30:16.0	7.49	7.60	75.85
08/07/16 05:30:16.0	7.50	7.62	75.78
08/07/16 06:30:16.0	7.51	7.63	75.70
08/07/16 07:30:16.0	7.55	7.67	75.63
08/07/16 08:30:16.0	7.57	7.69	75.67
08/07/16 09:30:16.0	7.56	7.68	75.78
08/07/16 10:30:16.0	7.57	7.69	76.06
08/07/16 11:30:16.0	7.62	7.75	76.42
08/07/16 12:30:16.0	7.66	7.79	76.89

Power_Dam_Merged

08/07/16 13:30:16.0	7.67	7.80	77.11
08/07/16 14:30:16.0	7.68	7.81	77.43
08/07/16 15:30:16.0	7.71	7.84	77.54
08/07/16 16:30:16.0	7.68	7.81	77.54
08/07/16 17:30:16.0	7.68	7.82	77.50
08/07/16 18:30:16.0	7.68	7.82	77.47
08/07/16 19:30:16.0	7.59	7.73	77.22
08/07/16 20:30:16.0	7.59	7.73	76.96
08/07/16 21:30:16.0	7.58	7.72	76.75
08/07/16 22:30:16.0	7.56	7.70	76.53
08/07/16 23:30:16.0	7.61	7.75	76.35
08/08/16 00:30:16.0	7.60	7.74	76.17
08/08/16 01:30:16.0	7.56	7.70	75.99
08/08/16 02:30:16.0	7.56	7.71	75.85
08/08/16 03:30:16.0	7.55	7.70	75.74
08/08/16 04:30:16.0	7.52	7.67	75.60
08/08/16 05:30:16.0	7.48	7.63	75.52
08/08/16 06:30:16.0	7.51	7.66	75.45
08/08/16 07:30:16.0	7.51	7.66	75.42
08/08/16 08:30:16.0	7.55	7.70	75.52
08/08/16 09:30:16.0	7.57	7.73	75.67
08/08/16 10:30:16.0	7.60	7.76	75.96
08/08/16 11:30:16.0	7.67	7.83	76.32
08/08/16 12:30:16.0	7.72	7.88	76.82
08/08/16 13:30:16.0	7.70	7.86	77.18
08/08/16 14:30:16.0	7.77	7.94	77.50
08/08/16 15:30:16.0	7.71	7.88	77.54
08/08/16 16:30:16.0	7.67	7.84	77.50
08/08/16 17:30:16.0	7.62	7.79	77.40
08/08/16 18:30:16.0	7.57	7.74	77.25
08/08/16 19:30:16.0	7.56	7.73	77.14
08/08/16 20:30:16.0	7.55	7.72	77.11
08/08/16 21:30:16.0	7.56	7.73	77.07
08/08/16 22:30:16.0	7.51	7.68	77.00
08/08/16 23:30:16.0	7.52	7.69	76.89
08/09/16 00:30:16.0	7.50	7.67	76.64
08/09/16 01:30:16.0	7.48	7.66	76.50
08/09/16 02:30:16.0	7.51	7.69	76.28
08/09/16 03:30:16.0	7.52	7.70	76.17
08/09/16 04:30:16.0	7.48	7.66	75.99
08/09/16 05:30:16.0	7.46	7.64	75.92
08/09/16 06:30:16.0	7.51	7.69	75.88
08/09/16 07:30:16.0	7.55	7.74	75.96
08/09/16 08:30:16.0	7.58	7.77	76.10
08/09/16 09:30:16.0	7.60	7.79	76.28
08/09/16 10:30:16.0	7.65	7.84	76.60
08/09/16 11:30:16.0	7.68	7.87	77.04
08/09/16 12:30:16.0	7.70	7.90	77.40
08/09/16 13:30:16.0	7.72	7.92	77.61
08/09/16 14:30:16.0	7.69	7.89	77.61
08/09/16 15:30:16.0	7.74	7.94	77.72

Power_Dam_Merged

08/09/16 16:30:16.0	7.72	7.92	77.72
08/09/16 17:30:16.0	7.76	7.96	77.68
08/09/16 18:30:16.0	7.69	7.89	77.43
08/09/16 19:30:16.0	7.65	7.85	77.22
08/09/16 20:30:16.0	7.64	7.85	77.04
08/09/16 21:30:16.0	7.67	7.88	76.89
08/09/16 22:30:16.0	7.66	7.87	76.71
08/09/16 23:30:16.0	7.65	7.86	76.60
08/10/16 00:30:16.0	7.67	7.88	76.53
08/10/16 01:30:16.0	7.66	7.87	76.42
08/10/16 02:30:16.0	7.65	7.86	76.42
08/10/16 03:30:16.0	7.60	7.81	76.39
08/10/16 04:30:16.0	7.60	7.82	76.42
08/10/16 05:30:16.0	7.59	7.81	76.50
08/10/16 06:30:16.0	7.64	7.86	76.60
08/10/16 07:30:16.0	7.67	7.89	76.82
08/10/16 08:30:16.0	7.68	7.90	77.04
08/10/16 09:30:16.0	7.71	7.94	77.40
08/10/16 10:30:16.0	7.65	7.88	77.65
08/10/16 11:30:16.0	7.65	7.88	77.94
08/10/16 12:30:16.0	7.64	7.87	78.12
08/10/16 13:30:16.0	7.56	7.79	78.30
08/10/16 14:30:16.0	7.65	7.88	78.33
08/10/16 15:30:16.0	7.64	7.87	78.37
08/10/16 16:30:16.0	7.62	7.85	78.22
08/10/16 17:30:16.0	7.52	7.75	78.08
08/10/16 18:30:16.0	7.47	7.70	77.97
08/10/16 19:30:16.0	7.44	7.67	78.01
08/10/16 20:30:16.0	7.51	7.75	78.04
08/10/16 21:30:16.0	7.53	7.77	78.08
08/10/16 22:30:16.0	7.53	7.77	78.12
08/10/16 23:30:16.0	7.56	7.80	78.12
08/11/16 00:30:16.0	7.51	7.75	78.12
08/11/16 01:30:16.0	7.47	7.71	78.04
08/11/16 02:30:16.0	7.49	7.73	78.01
08/11/16 03:30:16.0	7.46	7.70	78.01
08/11/16 04:30:16.0	7.49	7.74	78.01
08/11/16 05:30:16.0	7.48	7.73	78.04
08/11/16 06:30:16.0	7.47	7.72	78.04
08/11/16 07:30:16.0	7.48	7.73	78.12
08/11/16 08:30:16.0	7.49	7.74	78.22
08/11/16 09:30:16.0	7.47	7.72	78.30
08/11/16 10:30:16.0	7.44	7.69	78.37
08/11/16 11:30:16.0	7.43	7.68	78.48
08/11/16 12:30:16.0	7.39	7.64	78.51
08/11/16 13:30:16.0	7.39	7.64	78.48
08/11/16 14:30:16.0	7.43	7.69	78.58
08/11/16 15:30:16.0	7.38	7.64	78.55
08/11/16 16:30:16.0	7.38	7.64	78.55
08/11/16 17:30:16.0	7.29	7.55	78.48
08/11/16 18:30:16.0	7.24	7.50	78.33

Power_Dam_Merged

08/11/16 19:30:16.0	7.24	7.50	78.30
08/11/16 20:30:16.0	7.17	7.43	78.15
08/11/16 21:30:16.0	7.20	7.46	78.08
08/11/16 22:30:16.0	7.19	7.45	77.97
08/11/16 23:30:16.0	7.19	7.45	77.86
08/12/16 00:30:16.0	7.23	7.49	77.79
08/12/16 01:30:16.0	7.24	7.51	77.76
08/12/16 02:30:16.0	7.14	7.40	77.72
08/12/16 03:30:16.0	7.19	7.46	77.72
08/12/16 04:30:16.0	7.22	7.49	77.68
08/12/16 05:30:16.0	7.26	7.53	77.58
08/12/16 06:30:16.0	7.28	7.55	77.43
08/12/16 07:30:16.0	7.29	7.57	77.29
08/12/16 08:30:16.0	7.38	7.66	77.18
08/12/16 08:54:21.0	8.38	8.67	73.80
08/12/16 09:54:21.0	7.41	7.67	76.86
08/12/16 10:54:21.0	7.40	7.66	76.71
08/12/16 11:54:21.0	7.38	7.64	76.60
08/12/16 12:54:21.0	7.37	7.62	76.60
08/12/16 13:54:21.0	7.35	7.60	76.68
08/12/16 14:54:21.0	7.34	7.59	76.78
08/12/16 15:54:21.0	7.34	7.59	76.75
08/12/16 16:54:21.0	7.38	7.63	76.71
08/12/16 17:54:21.0	7.43	7.68	76.68
08/12/16 18:54:21.0	7.47	7.72	76.60
08/12/16 19:54:21.0	7.47	7.71	76.50
08/12/16 20:54:21.0	7.49	7.73	76.42
08/12/16 21:54:21.0	7.50	7.74	76.32
08/12/16 22:54:21.0	7.51	7.75	76.21
08/12/16 23:54:21.0	7.50	7.74	76.06
08/13/16 00:54:21.0	7.52	7.76	75.92
08/13/16 01:54:21.0	7.52	7.75	75.81
08/13/16 02:54:21.0	7.53	7.76	75.74
08/13/16 03:54:21.0	7.56	7.79	75.70
08/13/16 04:54:21.0	7.59	7.82	75.74
08/13/16 05:54:21.0	7.58	7.81	75.78
08/13/16 06:54:21.0	7.61	7.84	75.74
08/13/16 07:54:21.0	7.62	7.85	75.67
08/13/16 08:54:21.0	7.59	7.81	75.56
08/13/16 09:54:21.0	7.58	7.80	75.49
08/13/16 10:54:21.0	7.56	7.78	75.45
08/13/16 11:54:21.0	7.58	7.80	75.49
08/13/16 12:54:21.0	7.58	7.80	75.60
08/13/16 13:54:21.0	7.60	7.81	75.74
08/13/16 14:54:21.0	7.59	7.80	75.85
08/13/16 15:54:21.0	7.58	7.79	75.92
08/13/16 16:54:21.0	7.62	7.83	75.92
08/13/16 17:54:21.0	7.65	7.86	75.92
08/13/16 18:54:21.0	7.66	7.87	75.81
08/13/16 19:54:21.0	7.65	7.85	75.70
08/13/16 20:54:21.0	7.65	7.85	75.56

Power_Dam_Merged

08/13/16 21:54:21.0	7.64	7.84	75.45
08/13/16 22:54:21.0	7.67	7.87	75.34
08/13/16 23:54:21.0	7.66	7.86	75.27
08/14/16 00:54:21.0	7.67	7.87	75.27
08/14/16 01:54:21.0	7.69	7.88	75.31
08/14/16 02:54:21.0	7.70	7.89	75.42
08/14/16 03:54:21.0	7.71	7.90	75.42
08/14/16 04:54:21.0	7.72	7.91	75.34
08/14/16 05:54:21.0	7.72	7.91	75.27
08/14/16 06:54:21.0	7.72	7.91	75.16
08/14/16 07:54:21.0	7.70	7.88	75.13
08/14/16 08:54:21.0	7.67	7.85	75.13
08/14/16 09:54:21.0	7.65	7.83	75.20
08/14/16 10:54:21.0	7.61	7.79	75.31
08/14/16 11:54:21.0	7.59	7.76	75.42
08/14/16 12:54:21.0	7.61	7.78	75.56
08/14/16 13:54:21.0	7.66	7.83	75.52
08/14/16 14:54:21.0	7.69	7.86	75.81
08/14/16 15:54:21.0	7.70	7.87	75.92
08/14/16 16:54:21.0	7.67	7.84	75.81
08/14/16 17:54:21.0	7.70	7.86	75.81
08/14/16 18:54:21.0	7.70	7.86	75.70
08/14/16 19:54:21.0	7.70	7.86	75.63
08/14/16 20:54:21.0	7.74	7.90	75.45
08/14/16 21:54:21.0	7.72	7.88	75.34
08/14/16 22:54:21.0	7.74	7.90	75.27
08/14/16 23:54:21.0	7.75	7.90	75.24
08/15/16 00:54:21.0	7.78	7.93	75.20
08/15/16 01:54:21.0	7.79	7.94	75.24
08/15/16 02:54:21.0	7.80	7.95	75.27
08/15/16 03:54:21.0	7.79	7.94	75.31
08/15/16 04:54:21.0	7.78	7.92	75.31
08/15/16 05:54:21.0	7.78	7.92	75.34
08/15/16 06:54:21.0	7.77	7.91	75.38
08/15/16 07:54:21.0	7.75	7.89	75.38
08/15/16 08:54:21.0	7.71	7.85	75.42
08/15/16 09:54:21.0	7.71	7.84	75.49
08/15/16 10:54:21.0	7.70	7.83	75.60
08/15/16 11:54:21.0	7.71	7.84	75.81
08/15/16 12:54:21.0	7.72	7.85	76.03
08/15/16 13:54:21.0	7.75	7.88	76.28
08/15/16 14:54:21.0	7.78	7.91	76.50
08/15/16 15:54:21.0	7.84	7.96	76.64
08/15/16 16:54:21.0	7.85	7.97	76.57
08/15/16 17:54:21.0	7.89	8.01	76.46
08/15/16 18:54:21.0	7.93	8.05	76.28
08/15/16 19:54:21.0	7.92	8.04	76.14
08/15/16 20:54:21.0	7.93	8.05	75.99
08/15/16 21:54:21.0	7.96	8.07	75.92
08/15/16 22:54:21.0	7.97	8.08	75.78
08/15/16 23:54:21.0	7.99	8.10	75.74

Power_Dam_Merged

08/16/16 00:54:21.0	8.01	8.12	75.78
08/16/16 01:54:21.0	7.99	8.10	75.85
08/16/16 02:54:21.0	7.96	8.07	75.96
08/16/16 03:54:21.0	7.94	8.04	76.06
08/16/16 04:54:21.0	7.92	8.02	76.14
08/16/16 05:54:21.0	7.86	7.96	76.14
08/16/16 06:54:21.0	7.85	7.95	76.03
08/16/16 07:54:21.0	7.83	7.92	75.92
08/16/16 08:54:21.0	7.80	7.89	75.88
08/16/16 09:54:21.0	7.78	7.87	75.92
08/16/16 10:54:21.0	7.79	7.88	75.99
08/16/16 11:54:21.0	7.83	7.92	76.17
08/16/16 12:54:21.0	7.87	7.95	76.39
08/16/16 13:54:21.0	7.89	7.97	76.53
08/16/16 14:54:21.0	7.90	7.98	76.53
08/16/16 15:54:21.0	7.95	8.03	76.57
08/16/16 16:54:21.0	7.98	8.06	76.57
08/16/16 17:54:21.0	7.95	8.03	76.35
08/16/16 18:54:21.0	7.95	8.02	76.14
08/16/16 19:54:21.0	7.96	8.03	75.92
08/16/16 20:54:21.0	7.98	8.05	75.70
08/16/16 21:54:21.0	8.01	8.08	75.52
08/16/16 22:54:21.0	8.05	8.12	75.45
08/16/16 23:54:21.0	8.05	8.11	75.45
08/17/16 00:54:21.0	7.97	8.03	75.56
08/17/16 01:54:21.0	7.96	8.02	75.67
08/17/16 02:54:21.0	7.93	7.99	75.70
08/17/16 03:54:21.0	7.89	7.95	75.70
08/17/16 04:54:21.0	7.88	7.93	75.70
08/17/16 05:54:21.0	7.84	7.89	75.70
08/17/16 06:54:21.0	7.83	7.88	75.70
08/17/16 07:54:21.0	7.78	7.83	75.70
08/17/16 08:54:21.0	7.86	7.91	75.70
08/17/16 09:54:21.0	7.84	7.88	75.78
08/17/16 10:54:21.0	7.83	7.87	75.88
08/17/16 11:54:21.0	7.84	7.88	76.14
08/17/16 12:54:21.0	7.86	7.90	76.42
08/17/16 13:54:21.0	7.85	7.89	76.57
08/17/16 14:54:21.0	7.95	7.98	76.86
08/17/16 15:54:21.0	7.89	7.92	76.89
08/17/16 16:54:21.0	7.96	7.99	77.04
08/17/16 17:54:21.0	7.94	7.97	77.00
08/17/16 18:54:21.0	7.90	7.93	76.96
08/17/16 19:54:21.0	7.89	7.91	76.78
08/17/16 20:54:21.0	7.87	7.89	76.71
08/17/16 21:54:21.0	7.89	7.91	76.64
08/17/16 22:54:21.0	7.89	7.91	76.53
08/17/16 23:54:21.0	7.85	7.87	76.35
08/18/16 00:54:21.0	7.76	7.77	76.21
08/18/16 01:54:21.0	7.78	7.79	76.06
08/18/16 02:54:21.0	7.79	7.80	75.99

Power_Dam_Merged

08/18/16 03:54:21.0	7.77	7.78	75.88
08/18/16 04:54:21.0	7.78	7.79	75.81
08/18/16 05:54:21.0	7.76	7.77	75.78
08/18/16 06:54:21.0	7.77	7.77	75.78
08/18/16 07:54:21.0	7.75	7.75	75.85
08/18/16 08:54:21.0	7.75	7.75	76.03
08/18/16 09:54:21.0	7.75	7.75	76.32
08/18/16 10:54:21.0	7.76	7.76	76.64
08/18/16 11:54:21.0	7.78	7.77	77.00
08/18/16 12:54:21.0	7.80	7.79	77.25
08/18/16 13:54:21.0	7.83	7.82	77.36
08/18/16 14:54:21.0	7.85	7.84	77.50
08/18/16 15:54:21.0	7.80	7.79	77.54
08/18/16 16:54:21.0	7.79	7.77	77.58
08/18/16 17:54:21.0	7.76	7.74	77.47
08/18/16 18:54:21.0	7.77	7.75	77.40
08/18/16 19:54:21.0	7.72	7.70	77.29
08/18/16 20:54:21.0	7.69	7.67	77.22
08/18/16 21:54:21.0	7.68	7.65	77.11
08/18/16 22:54:21.0	7.68	7.65	77.04
08/18/16 23:54:21.0	7.68	7.65	77.00
08/19/16 00:54:21.0	7.67	7.64	76.96
08/19/16 01:54:21.0	7.65	7.62	76.96
08/19/16 02:54:21.0	7.67	7.64	76.96
08/19/16 03:54:21.0	7.68	7.64	77.00
08/19/16 04:54:21.0	7.71	7.67	77.11
08/19/16 05:54:21.0	7.70	7.66	77.22
08/19/16 06:54:21.0	7.72	7.68	77.32
08/19/16 07:54:21.0	7.75	7.71	77.43
08/19/16 08:54:21.0	7.70	7.65	77.40
08/19/16 09:54:21.0	7.70	7.65	77.40
08/19/16 10:54:21.0	7.71	7.66	77.36
08/19/16 11:54:21.0	7.72	7.67	77.29
08/19/16 12:54:21.0	7.72	7.67	77.32
08/19/16 13:54:21.0	7.65	7.59	77.18
08/19/16 14:54:21.0	8.05	7.99	76.82
08/19/16 15:05:58.0	8.20	7.99	76.42
08/19/16 16:05:58.0	7.74	7.54	77.04
08/19/16 17:05:58.0	7.65	7.46	76.89
08/19/16 18:05:58.0	7.65	7.46	76.93
08/19/16 19:05:58.0	7.59	7.40	76.82
08/19/16 20:05:58.0	7.53	7.34	76.71
08/19/16 21:05:58.0	7.52	7.33	76.68
08/19/16 22:05:58.0	7.55	7.36	76.64
08/19/16 23:05:58.0	7.52	7.33	76.64
08/20/16 00:05:58.0	7.52	7.33	76.64
08/20/16 01:05:58.0	7.52	7.34	76.60
08/20/16 02:05:58.0	7.51	7.33	76.57
08/20/16 03:05:58.0	7.52	7.34	76.53
08/20/16 04:05:58.0	7.53	7.35	76.42
08/20/16 05:05:58.0	7.55	7.37	76.32

Power_Dam_Merged

08/20/16 06:05:58.0	7.55	7.37	76.21
08/20/16 07:05:58.0	7.56	7.38	76.14
08/20/16 08:05:58.0	7.57	7.39	76.06
08/20/16 09:05:58.0	7.48	7.30	75.99
08/20/16 10:05:58.0	7.51	7.33	75.85
08/20/16 11:05:58.0	7.55	7.37	75.78
08/20/16 12:05:58.0	7.58	7.40	75.63
08/20/16 13:05:58.0	7.59	7.41	75.49
08/20/16 14:05:58.0	7.62	7.44	75.34
08/20/16 15:05:58.0	7.55	7.38	75.13
08/20/16 16:05:58.0	7.55	7.38	74.91
08/20/16 17:05:58.0	7.55	7.38	74.73
08/20/16 18:05:58.0	7.51	7.34	74.66
08/20/16 19:05:58.0	7.46	7.29	74.59
08/20/16 20:05:58.0	7.47	7.30	74.48
08/20/16 21:05:58.0	7.48	7.31	74.34
08/20/16 22:05:58.0	7.50	7.33	74.16
08/20/16 23:05:58.0	7.55	7.38	73.94
08/21/16 00:05:58.0	7.56	7.39	73.69
08/21/16 01:05:58.0	7.64	7.47	73.47
08/21/16 02:05:58.0	7.74	7.57	73.29
08/21/16 03:05:58.0	7.69	7.52	73.11
08/21/16 04:05:58.0	7.64	7.48	72.93
08/21/16 05:05:58.0	7.58	7.42	72.75
08/21/16 06:05:58.0	7.59	7.43	72.57
08/21/16 07:05:58.0	7.64	7.48	72.32
08/21/16 08:05:58.0	7.67	7.51	72.14
08/21/16 09:05:58.0	7.71	7.55	72.03
08/21/16 10:05:58.0	7.79	7.63	71.96
08/21/16 11:05:58.0	7.85	7.69	71.92
08/21/16 12:05:58.0	7.94	7.78	72.07
08/21/16 13:05:58.0	8.02	7.86	72.18
08/21/16 14:05:58.0	7.97	7.81	72.14
08/21/16 15:05:58.0	7.99	7.83	72.14
08/21/16 16:05:58.0	8.05	7.89	72.21
08/21/16 17:05:58.0	8.11	7.95	72.07
08/21/16 18:05:58.0	8.16	8.00	72.00
08/21/16 19:05:58.0	8.21	8.05	71.92
08/21/16 20:05:58.0	8.29	8.13	71.92
08/21/16 21:05:58.0	8.34	8.18	71.92
08/21/16 22:05:58.0	8.38	8.22	71.92
08/21/16 23:05:58.0	8.38	8.22	71.96
08/22/16 00:05:58.0	8.38	8.22	72.00
08/22/16 01:05:58.0	8.37	8.21	72.07
08/22/16 02:05:58.0	8.33	8.17	72.14
08/22/16 03:05:58.0	8.29	8.13	72.14
08/22/16 04:05:58.0	8.24	8.08	72.07
08/22/16 05:05:58.0	8.21	8.06	72.00
08/22/16 06:05:58.0	8.19	8.04	71.82
08/22/16 07:05:58.0	8.23	8.08	71.64
08/22/16 08:05:58.0	8.22	8.07	71.46

Power_Dam_Merged

08/22/16 09:05:58.0	8.23	8.08	71.38
08/22/16 10:05:58.0	8.23	8.08	71.35
08/22/16 11:05:58.0	8.26	8.11	71.35
08/22/16 12:05:58.0	8.30	8.15	71.42
08/22/16 13:05:58.0	8.34	8.19	71.53
08/22/16 14:05:58.0	8.37	8.22	71.53
08/22/16 15:05:58.0	8.40	8.25	71.53
08/22/16 16:05:58.0	8.43	8.28	71.56
08/22/16 17:05:58.0	8.47	8.32	71.64
08/22/16 18:05:58.0	8.48	8.33	71.67
08/22/16 19:05:58.0	8.51	8.36	71.82
08/22/16 20:05:58.0	8.53	8.38	72.03
08/22/16 21:05:58.0	8.56	8.41	72.28
08/22/16 22:05:58.0	8.55	8.41	72.50
08/22/16 23:05:58.0	8.52	8.38	72.61
08/23/16 00:05:58.0	8.47	8.33	72.68
08/23/16 01:05:58.0	8.42	8.28	72.82
08/23/16 02:05:58.0	8.37	8.23	72.86
08/23/16 03:05:58.0	8.32	8.18	72.82
08/23/16 04:05:58.0	8.30	8.16	72.75
08/23/16 05:05:58.0	8.28	8.15	72.68
08/23/16 06:05:58.0	8.26	8.13	72.57
08/23/16 07:05:58.0	8.26	8.13	72.43
08/23/16 08:05:58.0	8.28	8.15	72.28
08/23/16 09:05:58.0	8.31	8.18	72.14
08/23/16 10:05:58.0	8.31	8.18	72.07
08/23/16 11:05:58.0	8.32	8.19	72.03
08/23/16 12:05:58.0	8.35	8.22	72.14
08/23/16 13:05:58.0	8.41	8.28	72.32
08/23/16 14:05:58.0	8.44	8.31	72.32
08/23/16 15:05:58.0	8.47	8.34	72.36
08/23/16 16:05:58.0	8.48	8.35	72.32
08/23/16 17:05:58.0	8.52	8.39	72.28
08/23/16 18:05:58.0	8.52	8.39	72.21
08/23/16 19:05:58.0	8.56	8.43	72.25
08/23/16 20:05:58.0	8.59	8.47	72.36
08/23/16 21:05:58.0	8.61	8.49	72.57
08/23/16 22:05:58.0	8.61	8.49	72.72
08/23/16 23:05:58.0	8.59	8.47	72.86
08/24/16 00:05:58.0	8.56	8.44	72.97
08/24/16 01:05:58.0	8.52	8.40	73.00
08/24/16 02:05:58.0	8.49	8.37	73.04
08/24/16 03:05:58.0	8.48	8.36	73.00
08/24/16 04:05:58.0	8.42	8.31	72.93
08/24/16 05:05:58.0	8.40	8.29	72.82
08/24/16 06:05:58.0	8.34	8.23	72.75
08/24/16 07:05:58.0	8.30	8.19	72.68
08/24/16 08:05:58.0	8.29	8.18	72.61
08/24/16 09:05:58.0	8.26	8.15	72.50
08/24/16 10:05:58.0	8.28	8.17	72.39
08/24/16 11:05:58.0	8.26	8.15	72.25

Power_Dam_Merged

08/24/16 12:05:58.0	8.29	8.18	72.18
08/24/16 13:05:58.0	8.28	8.18	72.07
08/24/16 14:05:58.0	8.30	8.20	72.00
08/24/16 15:05:58.0	8.29	8.19	71.89
08/24/16 16:05:58.0	8.28	8.18	71.85
08/24/16 17:05:58.0	8.28	8.18	71.74
08/24/16 18:05:58.0	8.26	8.16	71.64
08/24/16 19:05:58.0	8.26	8.16	71.60
08/24/16 20:05:58.0	8.26	8.16	71.53
08/24/16 21:05:58.0	8.28	8.18	71.46
08/24/16 22:05:58.0	8.30	8.20	71.46
08/24/16 23:05:58.0	8.31	8.21	71.49
08/25/16 00:05:58.0	8.32	8.22	71.49
08/25/16 01:05:58.0	8.33	8.24	71.49
08/25/16 02:05:58.0	8.34	8.25	71.49
08/25/16 03:05:58.0	8.34	8.25	71.49
08/25/16 04:05:58.0	8.32	8.23	71.46
08/25/16 05:05:58.0	8.32	8.23	71.35
08/25/16 06:05:58.0	8.30	8.21	71.28
08/25/16 07:05:58.0	8.28	8.19	71.17
08/25/16 08:05:58.0	8.28	8.19	71.10
08/25/16 09:05:58.0	8.26	8.17	71.06
08/25/16 10:05:58.0	8.26	8.17	71.10
08/25/16 11:05:58.0	8.26	8.18	71.17
08/25/16 12:05:58.0	8.28	8.20	71.38
08/25/16 13:05:58.0	8.28	8.20	71.56
08/25/16 14:05:58.0	8.31	8.23	71.71
08/25/16 15:05:58.0	8.32	8.24	71.82
08/25/16 16:05:58.0	8.34	8.26	71.89
08/25/16 17:05:58.0	8.37	8.29	71.82
08/25/16 18:05:58.0	8.38	8.30	71.74
08/25/16 19:05:58.0	8.37	8.29	71.67
08/25/16 20:05:58.0	8.38	8.30	71.64
08/25/16 21:05:58.0	8.39	8.31	71.60
08/25/16 22:05:58.0	8.42	8.34	71.64
08/25/16 23:05:58.0	8.44	8.36	71.74
08/26/16 00:05:58.0	8.47	8.40	71.85
08/26/16 01:05:58.0	8.47	8.40	71.96
08/26/16 02:05:58.0	8.44	8.37	72.07
08/26/16 03:05:58.0	8.41	8.34	72.14
08/26/16 04:05:58.0	8.39	8.32	72.14
08/26/16 05:05:58.0	8.34	8.27	72.14
08/26/16 06:05:58.0	8.32	8.25	72.07
08/26/16 07:05:58.0	8.29	8.22	71.96
08/26/16 08:05:58.0	8.24	8.17	71.85
08/26/16 09:05:58.0	8.23	8.17	71.82
08/26/16 10:05:58.0	8.25	8.19	71.85
08/26/16 11:05:58.0	8.26	8.20	71.96
08/26/16 12:05:58.0	8.31	8.25	72.10
08/26/16 13:05:58.0	8.37	8.31	72.18
08/26/16 14:05:58.0	8.40	8.34	72.28

Power_Dam_Merged

08/26/16 15:05:58.0	8.39	8.33	72.18
08/26/16 15:43:46.0	8.75	8.60	72.39
08/26/16 16:43:46.0	8.47	8.32	72.03
08/26/16 17:43:46.0	8.47	8.32	71.89
08/26/16 18:43:46.0	8.47	8.32	71.71
08/26/16 19:43:46.0	8.48	8.33	71.60
08/26/16 20:43:46.0	8.50	8.35	71.49
08/26/16 21:43:46.0	8.53	8.38	71.49
08/26/16 22:43:46.0	8.56	8.41	71.53
08/26/16 23:43:46.0	8.56	8.41	71.60
08/27/16 00:43:46.0	8.57	8.42	71.64
08/27/16 01:43:46.0	8.56	8.41	71.67
08/27/16 02:43:46.0	8.53	8.38	71.71
08/27/16 03:43:46.0	8.53	8.38	71.71
08/27/16 04:43:46.0	8.49	8.34	71.71
08/27/16 05:43:46.0	8.46	8.31	71.67
08/27/16 06:43:46.0	8.41	8.26	71.60
08/27/16 07:43:46.0	8.39	8.24	71.53
08/27/16 08:43:46.0	8.34	8.19	71.49
08/27/16 09:43:46.0	8.34	8.19	71.46
08/27/16 10:43:46.0	8.33	8.18	71.49
08/27/16 11:43:46.0	8.34	8.19	71.56
08/27/16 12:43:46.0	8.33	8.18	71.53
08/27/16 13:43:46.0	8.38	8.23	71.49
08/27/16 14:43:46.0	8.40	8.25	71.49
08/27/16 15:43:46.0	8.40	8.25	71.42
08/27/16 16:43:46.0	8.40	8.25	71.31
08/27/16 17:43:46.0	8.40	8.25	71.20
08/27/16 18:43:46.0	8.41	8.26	71.02
08/27/16 19:43:46.0	8.41	8.26	70.88
08/27/16 20:43:46.0	8.44	8.29	70.77
08/27/16 21:43:46.0	8.46	8.31	70.74
08/27/16 22:43:46.0	8.47	8.32	70.77
08/27/16 23:43:46.0	8.47	8.32	70.84
08/28/16 00:43:46.0	8.47	8.32	70.92
08/28/16 01:43:46.0	8.46	8.31	70.99
08/28/16 02:43:46.0	8.43	8.28	71.02
08/28/16 03:43:46.0	8.43	8.28	71.06
08/28/16 04:43:46.0	8.43	8.28	71.06
08/28/16 05:43:46.0	8.39	8.24	71.06
08/28/16 06:43:46.0	8.38	8.23	71.02
08/28/16 07:43:46.0	8.34	8.19	70.99
08/28/16 08:43:46.0	8.32	8.17	70.99
08/28/16 09:43:46.0	8.32	8.17	71.10
08/28/16 10:43:46.0	8.32	8.17	71.17
08/28/16 11:43:46.0	8.33	8.18	71.38
08/28/16 12:43:46.0	8.33	8.18	71.60
08/28/16 13:43:46.0	8.35	8.20	71.82
08/28/16 14:43:46.0	8.35	8.20	71.85
08/28/16 15:43:46.0	8.38	8.23	71.89
08/28/16 16:43:46.0	8.38	8.23	71.92

Power_Dam_Merged

08/28/16 17:43:46.0	8.38	8.23	71.85
08/28/16 18:43:46.0	8.35	8.20	71.78
08/28/16 19:43:46.0	8.35	8.20	71.67
08/28/16 20:43:46.0	8.38	8.23	71.64
08/28/16 21:43:46.0	8.40	8.25	71.64
08/28/16 22:43:46.0	8.40	8.25	71.71
08/28/16 23:43:46.0	8.40	8.25	71.82
08/29/16 00:43:46.0	8.41	8.26	71.96
08/29/16 01:43:46.0	8.41	8.26	72.14
08/29/16 02:43:46.0	8.41	8.26	72.28
08/29/16 03:43:46.0	8.38	8.23	72.39
08/29/16 04:43:46.0	8.33	8.19	72.50
08/29/16 05:43:46.0	8.29	8.15	72.50
08/29/16 06:43:46.0	8.26	8.12	72.50
08/29/16 07:43:46.0	8.23	8.09	72.46
08/29/16 08:43:46.0	8.20	8.06	72.46
08/29/16 09:43:46.0	8.22	8.08	72.46
08/29/16 10:43:46.0	8.23	8.09	72.54
08/29/16 11:43:46.0	8.23	8.09	72.64
08/29/16 12:43:46.0	8.28	8.14	72.79
08/29/16 13:43:46.0	8.20	8.06	72.90
08/29/16 14:43:46.0	8.21	8.07	73.08
08/29/16 15:43:46.0	8.25	8.11	73.29
08/29/16 16:43:46.0	8.21	8.07	73.22
08/29/16 17:43:46.0	8.22	8.08	73.18
08/29/16 18:43:46.0	8.23	8.09	73.08
08/29/16 19:43:46.0	8.23	8.09	72.97
08/29/16 20:43:46.0	8.23	8.09	72.90
08/29/16 21:43:46.0	8.23	8.09	72.68
08/29/16 22:43:46.0	8.24	8.10	72.57
08/29/16 23:43:46.0	8.24	8.10	72.43
08/30/16 00:43:46.0	8.26	8.12	72.32
08/30/16 01:43:46.0	8.28	8.14	72.25
08/30/16 02:43:46.0	8.30	8.16	72.25
08/30/16 03:43:46.0	8.30	8.16	72.25
08/30/16 04:43:46.0	8.29	8.15	72.32
08/30/16 05:43:46.0	8.26	8.12	72.39
08/30/16 06:43:46.0	8.25	8.11	72.54
08/30/16 07:43:46.0	8.24	8.10	72.68
08/30/16 08:43:46.0	8.23	8.09	72.86
08/30/16 09:43:46.0	8.20	8.06	73.00
08/30/16 10:43:46.0	8.16	8.02	73.15
08/30/16 11:43:46.0	8.10	7.96	73.26
08/30/16 12:43:46.0	8.04	7.90	73.36
08/30/16 13:43:46.0	8.06	7.92	73.58
08/30/16 14:43:46.0	8.03	7.89	73.72
08/30/16 15:43:46.0	8.01	7.87	73.80
08/30/16 16:43:46.0	8.03	7.89	73.87
08/30/16 17:43:46.0	8.03	7.89	73.87
08/30/16 18:43:46.0	8.02	7.88	73.80
08/30/16 19:43:46.0	7.99	7.85	73.76

Power_Dam_Merged

08/30/16 20:43:46.0	8.01	7.87	73.69
08/30/16 21:43:46.0	7.99	7.85	73.62
08/30/16 22:43:46.0	7.99	7.85	73.54
08/30/16 23:43:46.0	8.01	7.87	73.44
08/31/16 00:43:46.0	8.02	7.88	73.33
08/31/16 01:43:46.0	8.02	7.88	73.15
08/31/16 02:43:46.0	8.02	7.88	73.04
08/31/16 03:43:46.0	8.03	7.89	72.93
08/31/16 04:43:46.0	8.06	7.92	72.82
08/31/16 05:43:46.0	8.06	7.92	72.75
08/31/16 06:43:46.0	8.07	7.93	72.72
08/31/16 07:43:46.0	8.06	7.92	72.68
08/31/16 08:43:46.0	8.06	7.92	72.68
08/31/16 09:43:46.0	8.08	7.94	72.68
08/31/16 10:43:46.0	8.08	7.94	72.75
08/31/16 11:43:46.0	8.10	7.96	72.86
08/31/16 12:43:46.0	8.06	7.92	72.86
08/31/16 13:43:46.0	8.05	7.91	72.75
08/31/16 14:43:46.0	8.06	7.92	72.75
08/31/16 15:43:46.0	8.06	7.92	72.64
08/31/16 16:43:46.0	8.06	7.92	72.57
08/31/16 17:43:46.0	8.08	7.94	72.50
08/31/16 18:43:46.0	8.08	7.94	72.36
08/31/16 19:43:46.0	8.07	7.93	72.25
08/31/16 20:43:46.0	8.11	7.97	72.14
08/31/16 21:43:46.0	8.13	7.99	72.00
08/31/16 22:43:46.0	8.14	8.00	71.89
08/31/16 23:43:46.0	8.14	8.00	71.74
09/01/16 00:43:46.0	8.17	8.03	71.60
09/01/16 01:43:46.0	8.20	8.06	71.46
09/01/16 02:43:46.0	8.20	8.06	71.35
09/01/16 03:43:46.0	8.21	8.07	71.28
09/01/16 04:43:46.0	8.22	8.08	71.24
09/01/16 05:43:46.0	8.26	8.12	71.24
09/01/16 06:43:46.0	8.29	8.15	71.17
09/01/16 07:43:46.0	8.33	8.19	71.13
09/01/16 08:43:46.0	8.37	8.23	71.02
09/01/16 09:43:46.0	8.37	8.23	70.95
09/01/16 10:43:46.0	8.37	8.23	70.92
09/01/16 11:43:46.0	8.41	8.27	70.84
09/01/16 12:43:46.0	8.39	8.25	70.92
09/01/16 13:43:46.0	8.33	8.19	70.99
09/01/16 14:43:46.0	8.23	8.09	71.06
09/01/16 15:43:46.0	8.21	8.07	71.10
09/01/16 16:43:46.0	8.22	8.08	71.13
09/01/16 17:43:46.0	8.21	8.07	71.13
09/01/16 18:43:46.0	8.20	8.06	71.02
09/01/16 19:43:46.0	8.23	8.09	71.02
09/01/16 20:43:46.0	8.22	8.08	70.92
09/01/16 21:43:46.0	8.20	8.06	70.88
09/01/16 22:43:46.0	8.19	8.05	70.84

Power_Dam_Merged

09/01/16 23:43:46.0	8.17	8.03	70.77
09/02/16 00:43:46.0	8.20	8.06	70.70
09/02/16 01:43:46.0	8.21	8.07	70.56
09/02/16 02:43:46.0	8.23	8.09	70.41
09/02/16 03:43:46.0	8.25	8.11	70.27
09/02/16 04:43:46.0	8.28	8.14	70.16
09/02/16 05:43:46.0	8.32	8.18	70.12
09/02/16 06:43:46.0	8.34	8.20	70.05
09/02/16 07:43:46.0	8.37	8.23	69.98
09/02/16 08:43:46.0	8.42	8.28	69.98
09/02/16 09:43:46.0	8.42	8.28	70.05
09/02/16 10:43:46.0	8.42	8.28	70.20
09/02/16 10:52:47.0	9.15	9.11	68.54
09/02/16 11:52:47.0	8.40	8.36	70.38
09/02/16 12:52:47.0	8.41	8.37	70.48
09/02/16 13:52:47.0	8.38	8.34	70.56
09/02/16 14:52:47.0	8.28	8.24	70.66
09/02/16 15:52:47.0	8.25	8.21	70.66
09/02/16 16:52:47.0	8.24	8.20	70.66
09/02/16 17:52:47.0	8.25	8.21	70.63
09/02/16 18:52:47.0	8.21	8.17	70.52
09/02/16 19:52:47.0	8.22	8.18	70.48
09/02/16 20:52:47.0	8.23	8.19	70.48
09/02/16 21:52:47.0	8.24	8.20	70.45
09/02/16 22:52:47.0	8.26	8.22	70.41
09/02/16 23:52:47.0	8.26	8.22	70.27
09/03/16 00:52:47.0	8.28	8.24	70.23
09/03/16 01:52:47.0	8.29	8.25	70.20
09/03/16 02:52:47.0	8.32	8.28	70.16
09/03/16 03:52:47.0	8.34	8.30	70.16
09/03/16 04:52:47.0	8.33	8.29	70.16
09/03/16 05:52:47.0	8.35	8.31	70.20
09/03/16 06:52:47.0	8.37	8.33	70.27
09/03/16 07:52:47.0	8.39	8.35	70.38
09/03/16 08:52:47.0	8.35	8.31	70.45
09/03/16 09:52:47.0	8.33	8.29	70.59
09/03/16 10:52:47.0	8.31	8.27	70.70
09/03/16 11:52:47.0	8.31	8.27	70.84
09/03/16 12:52:47.0	8.29	8.25	70.95
09/03/16 13:52:47.0	8.26	8.22	70.95
09/03/16 14:52:47.0	8.25	8.21	71.10
09/03/16 15:52:47.0	8.24	8.20	71.10
09/03/16 16:52:47.0	8.22	8.18	71.10
09/03/16 17:52:47.0	8.16	8.12	70.99
09/03/16 18:52:47.0	8.16	8.12	70.95
09/03/16 19:52:47.0	8.13	8.09	70.95
09/03/16 20:52:47.0	8.15	8.11	70.99
09/03/16 21:52:47.0	8.19	8.15	71.02
09/03/16 22:52:47.0	8.17	8.13	70.95
09/03/16 23:52:47.0	8.19	8.15	70.88
09/04/16 00:52:47.0	8.21	8.17	70.84

Power_Dam_Merged

09/04/16 01:52:47.0	8.22	8.18	70.81
09/04/16 02:52:47.0	8.24	8.20	70.77
09/04/16 03:52:47.0	8.25	8.21	70.77
09/04/16 04:52:47.0	8.28	8.24	70.77
09/04/16 05:52:47.0	8.30	8.26	70.81
09/04/16 06:52:47.0	8.31	8.27	70.88
09/04/16 07:52:47.0	8.32	8.28	70.92
09/04/16 08:52:47.0	8.31	8.27	70.95
09/04/16 09:52:47.0	8.31	8.27	71.02
09/04/16 10:52:47.0	8.29	8.25	71.10
09/04/16 11:52:47.0	8.28	8.24	71.17
09/04/16 12:52:47.0	8.22	8.18	71.17
09/04/16 13:52:47.0	8.21	8.17	71.17
09/04/16 14:52:47.0	8.22	8.18	71.20
09/04/16 15:52:47.0	8.20	8.16	71.31
09/04/16 16:52:47.0	8.16	8.12	71.31
09/04/16 17:52:47.0	8.17	8.13	71.28
09/04/16 18:52:47.0	8.13	8.09	71.20
09/04/16 19:52:47.0	8.13	8.09	71.17
09/04/16 20:52:47.0	8.15	8.11	71.17
09/04/16 21:52:47.0	8.15	8.11	71.10
09/04/16 22:52:47.0	8.15	8.11	71.06
09/04/16 23:52:47.0	8.17	8.13	71.02
09/05/16 00:52:47.0	8.20	8.16	70.95
09/05/16 01:52:47.0	8.21	8.17	70.88
09/05/16 02:52:47.0	8.21	8.17	70.84
09/05/16 03:52:47.0	8.22	8.18	70.81
09/05/16 04:52:47.0	8.24	8.20	70.81
09/05/16 05:52:47.0	8.29	8.25	70.81
09/05/16 06:52:47.0	8.29	8.25	70.77
09/05/16 07:52:47.0	8.31	8.27	70.77
09/05/16 08:52:47.0	8.32	8.28	70.81
09/05/16 09:52:47.0	8.33	8.29	70.84
09/05/16 10:52:47.0	8.33	8.29	70.84
09/05/16 11:52:47.0	8.31	8.27	70.84
09/05/16 12:52:47.0	8.30	8.26	70.99
09/05/16 13:52:47.0	8.26	8.23	70.99
09/05/16 14:52:47.0	8.22	8.19	71.06
09/05/16 15:52:47.0	8.13	8.10	71.02
09/05/16 16:52:47.0	8.12	8.09	71.02
09/05/16 17:52:47.0	8.10	8.07	71.10
09/05/16 18:52:47.0	8.11	8.08	71.10
09/05/16 19:52:47.0	8.12	8.09	71.10
09/05/16 20:52:47.0	8.12	8.09	71.10
09/05/16 21:52:47.0	8.14	8.11	71.06
09/05/16 22:52:47.0	8.14	8.11	71.02
09/05/16 23:52:47.0	8.13	8.10	70.99
09/06/16 00:52:47.0	8.12	8.09	70.99
09/06/16 01:52:47.0	8.14	8.11	71.02
09/06/16 02:52:47.0	8.15	8.12	71.02
09/06/16 03:52:47.0	8.15	8.12	71.06

Power_Dam_Merged

09/06/16 04:52:47.0	8.15	8.12	71.13
09/06/16 05:52:47.0	8.19	8.16	71.20
09/06/16 06:52:47.0	8.19	8.16	71.31
09/06/16 07:52:47.0	8.19	8.16	71.42
09/06/16 08:52:47.0	8.16	8.13	71.53
09/06/16 09:52:47.0	8.14	8.11	71.56
09/06/16 10:52:47.0	8.10	8.07	71.53
09/06/16 11:52:47.0	8.10	8.07	71.46
09/06/16 12:52:47.0	8.05	8.02	71.38
09/06/16 13:52:47.0	8.06	8.03	71.53
09/06/16 14:52:47.0	8.02	7.99	71.49
09/06/16 15:52:47.0	7.99	7.96	71.56
09/06/16 16:52:47.0	8.01	7.98	71.74
09/06/16 17:52:47.0	8.01	7.98	71.78
09/06/16 18:52:47.0	7.98	7.95	71.82
09/06/16 19:52:47.0	8.05	8.02	71.82
09/06/16 20:52:47.0	8.08	8.05	71.74
09/06/16 21:52:47.0	8.11	8.08	71.56
09/06/16 22:52:47.0	8.15	8.12	71.35
09/06/16 23:52:47.0	8.22	8.19	71.17
09/07/16 00:52:47.0	8.26	8.23	71.06
09/07/16 01:52:47.0	8.28	8.25	70.99
09/07/16 02:52:47.0	8.26	8.23	70.95
09/07/16 03:52:47.0	8.23	8.20	70.95
09/07/16 04:52:47.0	8.19	8.16	70.92
09/07/16 05:52:47.0	8.15	8.12	70.88
09/07/16 06:52:47.0	8.14	8.11	70.84
09/07/16 07:52:47.0	8.15	8.12	70.84
09/07/16 08:52:47.0	8.17	8.14	70.84
09/07/16 09:52:47.0	8.17	8.14	70.81
09/07/16 10:52:47.0	8.22	8.19	70.81
09/07/16 11:52:47.0	8.22	8.19	70.81
09/07/16 12:52:47.0	8.22	8.19	70.77
09/07/16 13:52:47.0	8.23	8.20	70.74
09/07/16 14:52:47.0	8.25	8.22	70.63
09/07/16 15:52:47.0	8.29	8.26	70.56
09/07/16 16:52:47.0	8.28	8.25	70.52
09/07/16 17:52:47.0	8.29	8.26	70.52
09/07/16 18:52:47.0	8.30	8.27	70.52
09/07/16 19:52:47.0	8.32	8.29	70.52
09/07/16 20:52:47.0	8.31	8.28	70.56
09/07/16 21:52:47.0	8.34	8.31	70.56
09/07/16 22:52:47.0	8.33	8.30	70.59
09/07/16 23:52:47.0	8.33	8.30	70.63
09/08/16 00:52:47.0	8.33	8.30	70.63
09/08/16 01:52:47.0	8.31	8.28	70.66
09/08/16 02:52:47.0	8.29	8.26	70.63
09/08/16 03:52:47.0	8.29	8.26	70.59
09/08/16 04:52:47.0	8.28	8.25	70.56
09/08/16 05:52:47.0	8.25	8.22	70.52
09/08/16 06:52:47.0	8.25	8.22	70.48

Power_Dam_Merged

09/08/16 07:52:47.0	8.28	8.25	70.45
09/08/16 08:52:47.0	8.31	8.28	70.45
09/08/16 09:52:47.0	8.33	8.30	70.45
09/08/16 10:52:47.0	8.33	8.30	70.45
09/08/16 11:52:47.0	8.34	8.31	70.52
09/08/16 12:52:47.0	8.34	8.31	70.63
09/08/16 13:52:47.0	8.37	8.34	70.77
09/08/16 14:52:47.0	8.40	8.37	70.95
09/08/16 15:52:47.0	8.47	8.44	71.10
09/08/16 16:52:47.0	8.53	8.50	71.24
09/08/16 17:52:47.0	8.57	8.54	71.31
09/08/16 18:52:47.0	8.57	8.54	71.42
09/08/16 19:52:47.0	8.58	8.55	71.53
09/08/16 20:52:47.0	8.50	8.47	71.60
09/08/16 21:52:47.0	8.50	8.47	71.60
09/08/16 22:52:47.0	8.47	8.44	71.60
09/08/16 23:52:47.0	8.44	8.41	71.53
09/09/16 00:52:47.0	8.42	8.39	71.42
09/09/16 01:52:47.0	8.40	8.37	71.24
09/09/16 02:52:47.0	8.38	8.35	71.02
09/09/16 03:52:47.0	8.42	8.39	70.77
09/09/16 04:52:47.0	8.47	8.44	70.48
09/09/16 05:52:47.0	8.47	8.44	70.20
09/09/16 06:52:47.0	8.51	8.48	69.91
09/09/16 07:52:47.0	8.52	8.49	69.66
09/09/16 08:52:47.0	8.58	8.55	69.48
09/09/16 09:52:47.0	8.58	8.55	69.40
09/09/16 10:06:05.0	9.06	8.90	68.11
09/09/16 11:06:05.0	8.68	8.53	69.30
09/09/16 12:06:05.0	8.67	8.52	69.26
09/09/16 13:06:05.0	8.69	8.54	69.33
09/09/16 14:06:05.0	8.69	8.54	69.30
09/09/16 15:06:05.0	8.70	8.55	69.37
09/09/16 16:06:05.0	8.71	8.56	69.44
09/09/16 17:06:05.0	8.73	8.58	69.55
09/09/16 18:06:05.0	8.70	8.55	69.58
09/09/16 19:06:05.0	8.71	8.56	69.58
09/09/16 20:06:05.0	8.73	8.58	69.58
09/09/16 21:06:05.0	8.76	8.61	69.58
09/09/16 22:06:05.0	8.77	8.62	69.58
09/09/16 23:06:05.0	8.76	8.61	69.62
09/10/16 00:06:05.0	8.73	8.58	69.62
09/10/16 01:06:05.0	8.73	8.58	69.58
09/10/16 02:06:05.0	8.70	8.55	69.55
09/10/16 03:06:05.0	8.70	8.55	69.48
09/10/16 04:06:05.0	8.69	8.54	69.40
09/10/16 05:06:05.0	8.68	8.53	69.33
09/10/16 06:06:05.0	8.70	8.55	69.26
09/10/16 07:06:05.0	8.70	8.55	69.19
09/10/16 08:06:05.0	8.71	8.56	69.08
09/10/16 09:06:05.0	8.71	8.56	68.97

Power_Dam_Merged

09/10/16 10:06:05.0	8.69	8.54	68.90
09/10/16 11:06:05.0	8.66	8.51	68.79
09/10/16 12:06:05.0	8.59	8.44	68.76
09/10/16 13:06:05.0	8.58	8.43	68.72
09/10/16 14:06:05.0	8.57	8.42	68.72
09/10/16 15:06:05.0	8.57	8.42	68.76
09/10/16 16:06:05.0	8.62	8.47	68.76
09/10/16 17:06:05.0	8.64	8.49	68.76
09/10/16 18:06:05.0	8.64	8.49	68.68
09/10/16 19:06:05.0	8.66	8.51	68.61
09/10/16 20:06:05.0	8.67	8.52	68.54
09/10/16 21:06:05.0	8.68	8.53	68.47
09/10/16 22:06:05.0	8.70	8.55	68.36
09/10/16 23:06:05.0	8.71	8.56	68.25
09/11/16 00:06:05.0	8.74	8.59	68.14
09/11/16 01:06:05.0	8.73	8.58	68.04
09/11/16 02:06:05.0	8.74	8.59	67.89
09/11/16 03:06:05.0	8.74	8.59	67.71
09/11/16 04:06:05.0	8.71	8.56	67.57
09/11/16 05:06:05.0	8.73	8.58	67.39
09/11/16 06:06:05.0	8.73	8.58	67.21
09/11/16 07:06:05.0	8.75	8.60	67.06
09/11/16 08:06:05.0	8.76	8.61	66.92
09/11/16 09:06:05.0	8.78	8.63	66.81
09/11/16 10:06:05.0	8.80	8.65	66.78
09/11/16 11:06:05.0	8.80	8.65	66.78
09/11/16 12:06:05.0	8.82	8.66	66.88
09/11/16 13:06:05.0	8.84	8.68	67.03
09/11/16 14:06:05.0	8.87	8.71	67.17
09/11/16 15:06:05.0	8.87	8.71	67.17
09/11/16 16:06:05.0	8.93	8.77	67.28
09/11/16 17:06:05.0	8.96	8.80	67.39
09/11/16 18:06:05.0	8.97	8.81	67.50
09/11/16 19:06:05.0	8.98	8.82	67.68
09/11/16 20:06:05.0	8.98	8.82	67.82
09/11/16 21:06:05.0	8.98	8.82	67.96
09/11/16 22:06:05.0	8.96	8.80	68.14
09/11/16 23:06:05.0	8.94	8.78	68.25
09/12/16 00:06:05.0	8.91	8.75	68.40
09/12/16 01:06:05.0	8.86	8.70	68.43
09/12/16 02:06:05.0	8.84	8.68	68.40
09/12/16 03:06:05.0	8.79	8.63	68.32
09/12/16 04:06:05.0	8.79	8.63	68.22
09/12/16 05:06:05.0	8.77	8.61	68.07
09/12/16 06:06:05.0	8.77	8.61	67.89
09/12/16 07:06:05.0	8.78	8.62	67.68
09/12/16 08:06:05.0	8.80	8.64	67.46
09/12/16 09:06:05.0	8.82	8.66	67.24
09/12/16 10:06:05.0	8.82	8.66	67.10
09/12/16 11:06:05.0	8.83	8.67	67.03
09/12/16 12:06:05.0	8.84	8.68	67.03

Power_Dam_Merged

09/12/16 13:06:05.0	8.91	8.75	67.14
09/12/16 14:06:05.0	8.93	8.77	67.21
09/12/16 15:06:05.0	8.95	8.79	67.28
09/12/16 16:06:05.0	9.00	8.84	67.35
09/12/16 17:06:05.0	9.03	8.87	67.46
09/12/16 18:06:05.0	9.05	8.89	67.57
09/12/16 19:06:05.0	9.06	8.90	67.71
09/12/16 20:06:05.0	9.09	8.93	67.89
09/12/16 21:06:05.0	9.09	8.93	68.00
09/12/16 22:06:05.0	9.05	8.89	68.11
09/12/16 23:06:05.0	9.02	8.86	68.18
09/13/16 00:06:05.0	8.98	8.82	68.22
09/13/16 01:06:05.0	8.92	8.76	68.25
09/13/16 02:06:05.0	8.89	8.73	68.25
09/13/16 03:06:05.0	8.88	8.72	68.22
09/13/16 04:06:05.0	8.87	8.71	68.14
09/13/16 05:06:05.0	8.88	8.72	68.04
09/13/16 06:06:05.0	8.88	8.72	67.86
09/13/16 07:06:05.0	8.89	8.73	67.71
09/13/16 08:06:05.0	8.92	8.76	67.50
09/13/16 09:06:05.0	8.93	8.77	67.32
09/13/16 10:06:05.0	8.93	8.77	67.14
09/13/16 11:06:05.0	8.95	8.79	67.06
09/13/16 12:06:05.0	8.95	8.79	67.03
09/13/16 13:06:05.0	8.96	8.80	67.14
09/13/16 14:06:05.0	8.96	8.80	67.10
09/13/16 15:06:05.0	9.00	8.84	67.24
09/13/16 16:06:05.0	9.01	8.85	67.32
09/13/16 17:06:05.0	9.02	8.86	67.32
09/13/16 18:06:05.0	9.04	8.88	67.28
09/13/16 19:06:05.0	9.07	8.91	67.28
09/13/16 20:06:05.0	9.07	8.91	67.32
09/13/16 21:06:05.0	9.06	8.90	67.32
09/13/16 22:06:05.0	9.06	8.90	67.28
09/13/16 23:06:05.0	9.04	8.88	67.21
09/14/16 00:06:05.0	9.03	8.87	67.17
09/14/16 01:06:05.0	9.00	8.84	67.10
09/14/16 02:06:05.0	8.98	8.82	67.03
09/14/16 03:06:05.0	8.95	8.79	66.92
09/14/16 04:06:05.0	8.94	8.78	66.85
09/14/16 05:06:05.0	8.93	8.77	66.70
09/14/16 06:06:05.0	8.94	8.78	66.52
09/14/16 07:06:05.0	8.96	8.80	66.34
09/14/16 08:06:05.0	8.97	8.81	66.16
09/14/16 09:06:05.0	9.00	8.84	66.02
09/14/16 10:06:05.0	9.02	8.86	65.98
09/14/16 11:06:05.0	9.05	8.89	65.98
09/14/16 12:06:05.0	9.05	8.89	66.02
09/14/16 13:06:05.0	9.09	8.93	66.16
09/14/16 14:06:05.0	9.06	8.90	66.20
09/14/16 15:06:05.0	9.09	8.93	66.27

Power_Dam_Merged

09/14/16 16:06:05.0	9.07	8.91	66.24
09/14/16 17:06:05.0	9.07	8.91	66.34
09/14/16 18:06:05.0	9.07	8.91	66.45
09/14/16 19:06:05.0	9.07	8.91	66.56
09/14/16 20:06:05.0	9.06	8.90	66.67
09/14/16 21:06:05.0	9.09	8.93	66.74
09/14/16 22:06:05.0	9.05	8.89	66.81
09/14/16 23:06:05.0	9.05	8.89	66.85
09/15/16 00:06:05.0	9.01	8.85	66.88
09/15/16 01:06:05.0	8.98	8.82	66.99
09/15/16 02:06:05.0	8.95	8.79	67.06
09/15/16 03:06:05.0	8.91	8.75	67.14
09/15/16 04:06:05.0	8.88	8.72	67.10
09/15/16 05:06:05.0	8.85	8.69	66.99
09/15/16 06:06:05.0	8.83	8.67	66.88
09/15/16 07:06:05.0	8.80	8.64	66.85
09/15/16 08:06:05.0	8.82	8.66	66.78
09/15/16 09:06:05.0	8.83	8.67	66.74
09/15/16 10:06:05.0	8.85	8.69	66.74
09/15/16 11:06:05.0	8.86	8.70	66.67
09/15/16 12:06:05.0	8.89	8.73	66.67
09/15/16 13:06:05.0	8.95	8.79	66.63
09/15/16 14:06:05.0	9.00	8.84	66.63
09/15/16 15:06:05.0	8.96	8.80	66.49
09/15/16 16:06:05.0	9.00	8.84	66.45
09/15/16 17:06:05.0	8.96	8.80	66.38
09/15/16 18:06:05.0	8.97	8.81	66.34
09/15/16 19:06:05.0	8.98	8.82	66.34
09/15/16 20:06:05.0	9.00	8.84	66.45
09/15/16 21:06:05.0	9.00	8.84	66.60
09/15/16 22:06:05.0	9.01	8.85	66.74
09/15/16 23:06:05.0	8.97	8.81	66.85
09/16/16 00:06:05.0	8.94	8.78	66.99
09/16/16 01:06:05.0	8.89	8.73	67.10
09/16/16 02:06:05.0	8.87	8.71	67.21
09/16/16 03:06:05.0	8.84	8.68	67.24
09/16/16 04:06:05.0	8.83	8.67	67.24
09/16/16 05:06:05.0	8.78	8.62	67.24
09/16/16 06:06:05.0	8.77	8.61	67.24
09/16/16 07:06:05.0	8.78	8.62	67.24
09/16/16 08:06:05.0	8.76	8.60	67.21
09/16/16 09:06:05.0	8.76	8.60	67.14
09/16/16 10:06:05.0	8.77	8.61	66.99
09/16/16 11:06:05.0	8.79	8.63	66.81
09/16/16 12:06:05.0	8.79	8.63	66.67
09/16/16 13:06:05.0	8.80	8.64	66.49
09/16/16 14:06:05.0	8.83	8.67	66.34
09/16/16 15:06:05.0	8.83	8.67	66.24
09/16/16 16:06:05.0	8.85	8.69	66.16
09/16/16 17:06:05.0	8.85	8.69	66.09
09/16/16 18:06:05.0	8.86	8.70	66.09

Power_Dam_Merged

09/16/16 19:06:05.0	8.83	8.67	66.06
09/16/16 20:06:05.0	8.83	8.67	66.09
09/16/16 21:06:05.0	8.83	8.67	66.09
09/16/16 22:06:05.0	8.84	8.68	66.06
09/16/16 23:06:05.0	8.85	8.69	66.06
09/17/16 00:06:05.0	8.87	8.71	66.09
09/17/16 01:06:05.0	8.88	8.72	66.09
09/17/16 02:06:05.0	8.89	8.73	66.06
09/17/16 03:06:05.0	8.87	8.71	66.02
09/17/16 04:06:05.0	8.85	8.69	65.98
09/17/16 05:06:05.0	8.86	8.70	65.95
09/17/16 06:06:05.0	8.85	8.69	65.91
09/17/16 07:06:05.0	8.83	8.67	65.88
09/17/16 08:06:05.0	8.85	8.69	65.84
09/17/16 09:06:05.0	8.86	8.70	65.80
09/17/16 10:06:05.0	8.88	8.72	65.80
09/17/16 11:06:05.0	8.91	8.75	65.77
09/17/16 12:06:05.0	8.91	8.75	65.88
09/17/16 13:06:05.0	8.95	8.78	65.95
09/17/16 14:06:05.0	8.95	8.78	66.09
09/17/16 15:06:05.0	8.95	8.78	66.02
09/17/16 16:06:05.0	9.02	8.85	66.27
09/17/16 17:06:05.0	9.04	8.87	66.38
09/17/16 18:06:05.0	9.05	8.88	66.56
09/17/16 19:06:05.0	9.05	8.88	66.67
09/17/16 20:06:05.0	9.03	8.86	66.78
09/17/16 21:06:05.0	9.03	8.86	66.85
09/17/16 22:06:05.0	9.00	8.83	66.81
09/17/16 23:06:05.0	8.97	8.80	66.81
09/18/16 00:06:05.0	8.96	8.79	66.81
09/18/16 01:06:05.0	8.96	8.79	66.78
09/18/16 02:06:05.0	8.94	8.77	66.67
09/18/16 03:06:05.0	8.96	8.79	66.56
09/18/16 04:06:05.0	8.96	8.79	66.38
09/18/16 05:06:05.0	8.95	8.78	66.13
09/18/16 06:06:05.0	8.97	8.80	65.91
09/18/16 07:06:05.0	8.97	8.80	65.70
09/18/16 08:06:05.0	8.97	8.80	65.48
09/18/16 09:06:05.0	8.96	8.79	65.34
09/18/16 10:06:05.0	8.95	8.78	65.23
09/18/16 11:06:05.0	8.97	8.80	65.30
09/18/16 12:06:05.0	9.01	8.84	65.48
09/18/16 13:06:05.0	9.07	8.90	65.70
09/18/16 14:06:05.0	9.10	8.93	65.88
09/18/16 15:06:05.0	9.13	8.96	66.02
09/18/16 16:06:05.0	9.13	8.96	66.13
09/18/16 17:06:05.0	9.13	8.96	66.20
09/18/16 17:29:29.0	9.15	8.92	70.81
09/18/16 18:29:29.0	9.16	8.93	66.34
09/18/16 19:29:29.0	9.16	8.93	66.45
09/18/16 20:29:29.0	9.19	8.96	66.56

Power_Dam_Merged

09/18/16 21:29:29.0	9.18	8.95	66.63
09/18/16 22:29:29.0	9.15	8.92	66.70
09/18/16 23:29:29.0	9.13	8.90	66.78
09/19/16 00:29:29.0	9.09	8.86	66.81
09/19/16 01:29:29.0	9.04	8.82	66.81
09/19/16 02:29:29.0	9.01	8.79	66.74
09/19/16 03:29:29.0	8.96	8.74	66.67
09/19/16 04:29:29.0	8.95	8.73	66.56
09/19/16 05:29:29.0	8.94	8.72	66.45
09/19/16 06:29:29.0	8.93	8.71	66.27
09/19/16 07:29:29.0	8.93	8.71	66.09
09/19/16 08:29:29.0	8.91	8.69	65.95
09/19/16 09:29:29.0	8.91	8.69	65.84
09/19/16 10:29:29.0	8.89	8.67	65.84
09/19/16 11:29:29.0	8.88	8.66	65.84
09/19/16 12:29:29.0	8.88	8.66	65.73
09/19/16 13:29:29.0	8.91	8.69	65.66
09/19/16 14:29:29.0	8.93	8.71	65.62
09/19/16 15:29:29.0	8.95	8.73	65.80
09/19/16 16:29:29.0	8.97	8.75	65.84
09/19/16 17:29:29.0	8.98	8.76	65.88
09/19/16 18:29:29.0	9.01	8.79	65.95
09/19/16 19:29:29.0	9.02	8.80	66.02
09/19/16 20:29:29.0	9.03	8.81	65.98
09/19/16 21:29:29.0	9.05	8.83	65.91
09/19/16 22:29:29.0	9.04	8.82	65.88
09/19/16 23:29:29.0	9.03	8.81	65.91
09/20/16 00:29:29.0	9.02	8.80	65.95
09/20/16 01:29:29.0	9.01	8.79	65.91
09/20/16 02:29:29.0	9.01	8.79	65.84
09/20/16 03:29:29.0	8.98	8.77	65.70
09/20/16 04:29:29.0	8.97	8.76	65.55
09/20/16 05:29:29.0	8.97	8.76	65.37
09/20/16 06:29:29.0	8.95	8.74	65.19
09/20/16 07:29:29.0	8.92	8.71	65.01
09/20/16 08:29:29.0	8.89	8.68	64.87
09/20/16 09:29:29.0	8.87	8.66	64.80
09/20/16 10:29:29.0	8.88	8.67	64.80
09/20/16 11:29:29.0	8.89	8.68	64.87
09/20/16 12:29:29.0	8.92	8.71	64.98
09/20/16 13:29:29.0	8.94	8.73	64.98
09/20/16 14:29:29.0	8.95	8.74	65.01
09/20/16 15:29:29.0	8.96	8.75	65.01
09/20/16 16:29:29.0	8.98	8.77	65.01
09/20/16 17:29:29.0	9.03	8.82	65.08
09/20/16 18:29:29.0	9.05	8.84	65.12
09/20/16 19:29:29.0	9.06	8.85	65.26
09/20/16 20:29:29.0	9.09	8.88	65.48
09/20/16 21:29:29.0	9.07	8.86	65.66
09/20/16 22:29:29.0	9.05	8.84	65.77
09/20/16 23:29:29.0	9.03	8.82	65.84

Power_Dam_Merged

09/21/16 00:29:29.0	9.00	8.79	65.91
09/21/16 01:29:29.0	8.97	8.76	66.02
09/21/16 02:29:29.0	8.96	8.75	66.09
09/21/16 03:29:29.0	8.94	8.73	66.13
09/21/16 04:29:29.0	8.92	8.72	66.16
09/21/16 05:29:29.0	8.89	8.69	66.09
09/21/16 06:29:29.0	8.89	8.69	65.98
09/21/16 07:29:29.0	8.89	8.69	65.88
09/21/16 08:29:29.0	8.89	8.69	65.73
09/21/16 09:29:29.0	8.91	8.71	65.59
09/21/16 10:29:29.0	8.91	8.71	65.52
09/21/16 11:29:29.0	8.89	8.69	65.55
09/21/16 12:29:29.0	8.92	8.72	65.66
09/21/16 13:29:29.0	8.93	8.73	65.80
09/21/16 14:29:29.0	8.94	8.74	65.88
09/21/16 15:29:29.0	8.91	8.71	65.77
09/21/16 16:29:29.0	8.89	8.69	65.80
09/21/16 17:29:29.0	8.89	8.69	65.88
09/21/16 18:29:29.0	8.92	8.72	65.88
09/21/16 19:29:29.0	8.94	8.74	65.91
09/21/16 20:29:29.0	8.96	8.76	65.95
09/21/16 21:29:29.0	9.00	8.80	66.02
09/21/16 22:29:29.0	9.01	8.81	66.13
09/21/16 23:29:29.0	9.01	8.81	66.24
09/22/16 00:29:29.0	8.96	8.76	66.38
09/22/16 01:29:29.0	8.93	8.73	66.42
09/22/16 02:29:29.0	8.89	8.69	66.45
09/22/16 03:29:29.0	8.86	8.66	66.45
09/22/16 04:29:29.0	8.84	8.65	66.42
09/22/16 05:29:29.0	8.82	8.63	66.34
09/22/16 06:29:29.0	8.80	8.61	66.31
09/22/16 07:29:29.0	8.79	8.60	66.27
09/22/16 08:29:29.0	8.79	8.60	66.24
09/22/16 09:29:29.0	8.80	8.61	66.16
09/22/16 10:29:29.0	8.80	8.61	66.02
09/22/16 11:29:29.0	8.79	8.60	65.91
09/22/16 12:29:29.0	8.80	8.61	65.88
09/22/16 13:29:29.0	8.83	8.64	65.88
09/22/16 14:29:29.0	8.83	8.64	65.77
09/22/16 15:29:29.0	8.82	8.63	65.73
09/22/16 16:29:29.0	8.82	8.63	65.70
09/22/16 17:29:29.0	8.80	8.61	65.62
09/22/16 18:29:29.0	8.82	8.63	65.59
09/22/16 19:29:29.0	8.83	8.64	65.59
09/22/16 20:29:29.0	8.84	8.65	65.62
09/22/16 21:29:29.0	8.83	8.64	65.70
09/22/16 22:29:29.0	8.83	8.64	65.77
09/22/16 23:29:29.0	8.82	8.63	65.88
09/23/16 00:29:29.0	8.83	8.64	65.98
09/23/16 01:29:29.0	8.80	8.61	66.09
09/23/16 02:29:29.0	8.78	8.59	66.13

Power_Dam_Merged

09/23/16 03:29:29.0	8.77	8.58	66.13
09/23/16 04:29:29.0	8.74	8.56	66.09
09/23/16 05:29:29.0	8.71	8.53	66.06
09/23/16 06:29:29.0	8.70	8.52	65.98
09/23/16 07:29:29.0	8.68	8.50	65.91
09/23/16 08:29:29.0	8.68	8.50	65.91
09/23/16 09:29:29.0	8.68	8.50	65.91
09/23/16 10:29:29.0	8.70	8.52	65.98
09/23/16 11:29:29.0	8.75	8.57	66.13
09/23/16 12:29:29.0	8.79	8.61	66.24
09/23/16 13:29:29.0	8.83	8.65	66.34
09/23/16 14:29:29.0	8.87	8.69	66.42
09/23/16 15:29:29.0	8.88	8.70	66.34
09/23/16 16:29:29.0	8.91	8.73	66.20
09/23/16 17:29:29.0	8.91	8.73	65.98
09/23/16 18:29:29.0	8.92	8.74	65.84
09/23/16 19:29:29.0	8.94	8.76	65.73
09/23/16 20:29:29.0	8.96	8.78	65.70
09/23/16 21:29:29.0	8.97	8.79	65.70
09/23/16 22:29:29.0	9.00	8.82	65.77
09/23/16 23:29:29.0	9.00	8.82	65.88
09/24/16 00:29:29.0	8.98	8.80	65.98
09/24/16 01:29:29.0	8.96	8.78	66.06
09/24/16 02:29:29.0	8.94	8.76	66.09
09/24/16 03:29:29.0	8.92	8.74	66.06
09/24/16 04:29:29.0	8.89	8.71	65.98
09/24/16 05:29:29.0	8.86	8.68	65.95
09/24/16 06:29:29.0	8.86	8.68	65.88
09/24/16 07:29:29.0	8.84	8.66	65.88
09/24/16 08:29:29.0	8.84	8.66	65.84
09/24/16 09:29:29.0	8.85	8.67	65.84
09/24/16 10:29:29.0	8.86	8.68	65.80
09/24/16 11:29:29.0	8.88	8.70	65.80
09/24/16 12:29:29.0	8.93	8.75	65.84
09/24/16 13:29:29.0	8.95	8.77	65.88
09/24/16 14:29:29.0	8.97	8.79	65.88
09/24/16 15:29:29.0	8.97	8.79	65.73
09/24/16 16:29:29.0	9.01	8.83	65.55
09/24/16 17:29:29.0	9.02	8.84	65.37
09/24/16 18:29:29.0	9.01	8.83	65.23
09/24/16 19:29:29.0	9.03	8.85	65.16
09/24/16 20:29:29.0	9.05	8.87	65.19
09/24/16 21:29:29.0	9.05	8.87	65.23
09/24/16 22:29:29.0	9.04	8.86	65.37
09/24/16 23:29:29.0	9.03	8.85	65.52
09/25/16 00:29:29.0	9.04	8.86	65.66
09/25/16 01:29:29.0	9.00	8.82	65.77
09/25/16 02:29:29.0	9.00	8.83	65.84
09/25/16 03:29:29.0	8.96	8.79	65.84
09/25/16 04:29:29.0	8.93	8.76	65.80
09/25/16 05:29:29.0	8.89	8.72	65.77

Power_Dam_Merged

09/25/16 06:29:29.0	8.89	8.72	65.73
09/25/16 07:29:29.0	8.87	8.70	65.73
09/25/16 08:29:29.0	8.86	8.69	65.77
09/25/16 09:29:29.0	8.86	8.69	65.77
09/25/16 10:29:29.0	8.88	8.71	65.80
09/25/16 11:29:29.0	8.88	8.71	65.70
09/25/16 12:29:29.0	8.88	8.71	65.59
09/25/16 13:29:29.0	8.91	8.74	65.48
09/25/16 14:29:29.0	8.92	8.75	65.30
09/25/16 15:29:29.0	8.94	8.77	65.16
09/25/16 16:29:29.0	8.93	8.76	64.98
09/25/16 17:29:29.0	8.94	8.77	64.87
09/25/16 18:29:29.0	8.95	8.78	64.80
09/25/16 19:29:29.0	8.96	8.79	64.80
09/25/16 20:29:29.0	8.94	8.77	64.80
09/25/16 21:29:29.0	8.91	8.74	64.83
09/25/16 22:29:29.0	8.85	8.68	64.83
09/25/16 23:29:29.0	8.83	8.67	64.87
09/26/16 00:29:29.0	8.80	8.64	64.83
09/26/16 01:29:29.0	8.79	8.63	64.83
09/26/16 02:29:29.0	8.80	8.64	64.80
09/26/16 03:29:29.0	8.80	8.64	64.72
09/26/16 04:29:29.0	8.82	8.66	64.65
09/26/16 05:29:29.0	8.82	8.66	64.58
09/26/16 06:29:29.0	8.82	8.66	64.47
09/26/16 07:29:29.0	8.82	8.66	64.36
09/26/16 08:29:29.0	8.82	8.66	64.22
09/26/16 09:29:29.0	8.83	8.67	64.15
09/26/16 10:29:29.0	8.83	8.67	64.08
09/26/16 11:29:29.0	8.84	8.68	64.00
09/26/16 12:29:29.0	8.85	8.69	63.90
09/26/16 13:29:29.0	8.87	8.71	63.82
09/26/16 14:29:29.0	8.87	8.71	63.72
09/26/16 15:29:29.0	8.89	8.73	63.61
09/26/16 16:29:29.0	8.91	8.75	63.50
09/26/16 17:29:29.0	8.92	8.76	63.36
09/26/16 18:29:29.0	8.93	8.77	63.25
09/26/16 19:29:29.0	8.96	8.80	63.14
09/26/16 20:29:29.0	8.97	8.81	63.07
09/26/16 21:29:29.0	9.00	8.84	62.92
09/26/16 22:29:29.0	9.00	8.84	62.85
09/26/16 23:29:29.0	9.00	8.84	62.78
09/27/16 00:29:29.0	9.00	8.84	62.71
09/27/16 01:29:29.0	9.00	8.84	62.60
09/27/16 02:29:29.0	9.00	8.84	62.53
09/27/16 03:29:29.0	9.01	8.85	62.46
09/27/16 04:29:29.0	9.01	8.85	62.35
09/27/16 05:29:29.0	9.02	8.86	62.28
09/27/16 06:29:29.0	9.04	8.88	62.13
09/27/16 07:29:29.0	9.05	8.89	62.06
09/27/16 08:29:29.0	9.07	8.91	61.95

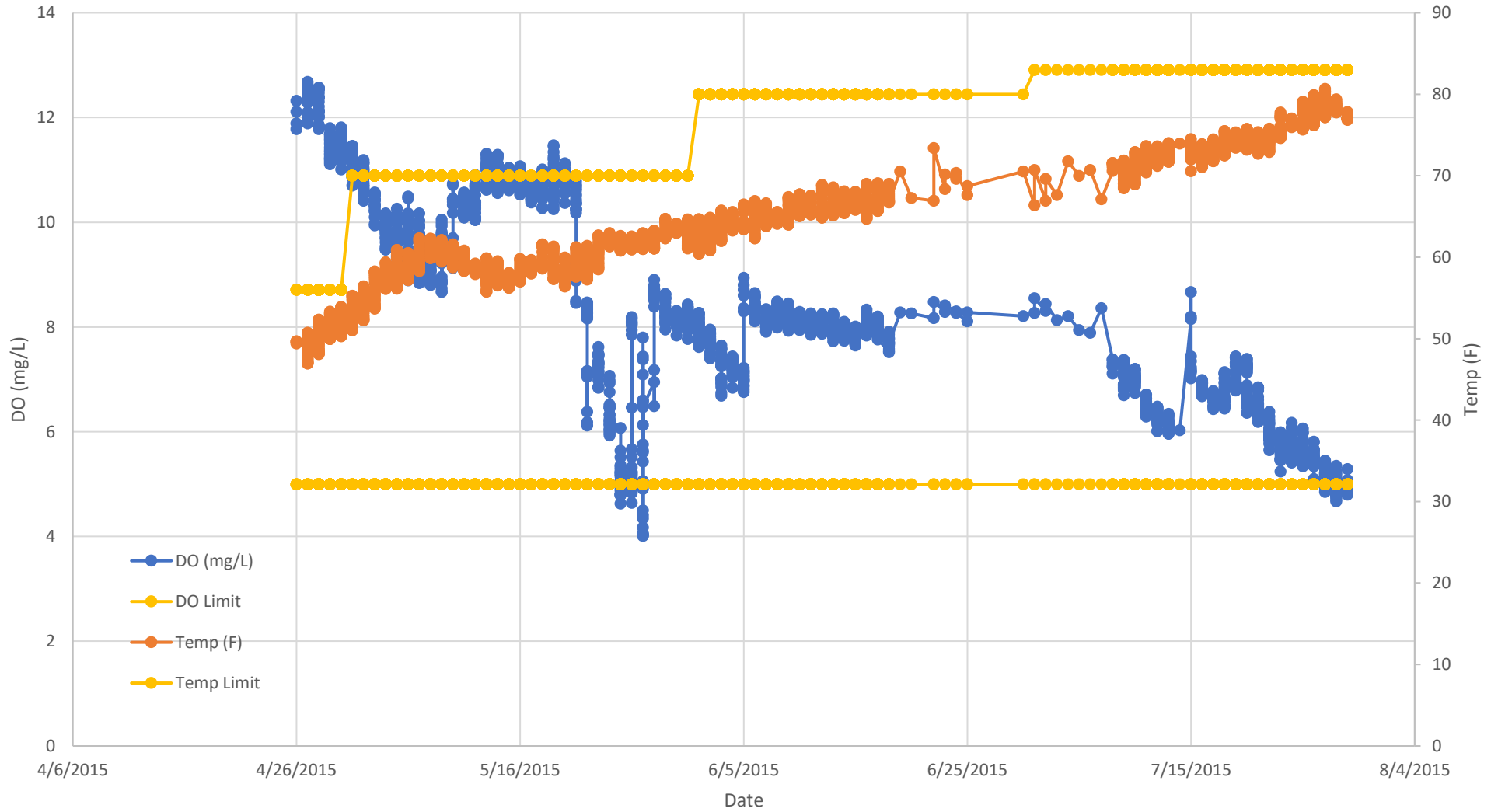
Power_Dam_Merged

09/27/16 09:29:29.0	9.09	8.93	61.88
09/27/16 10:29:29.0	9.10	8.94	61.84
09/27/16 11:29:29.0	9.10	8.94	61.74
09/27/16 12:29:29.0	9.12	8.96	61.70
09/27/16 13:29:29.0	9.13	8.97	61.63
09/27/16 14:29:29.0	9.14	8.98	61.59
09/27/16 15:29:29.0	9.14	8.98	61.52
09/27/16 16:29:29.0	9.13	8.97	61.48
09/27/16 17:29:29.0	9.14	8.98	61.45
09/27/16 18:29:29.0	9.15	8.99	61.41
09/27/16 19:29:29.0	9.18	9.02	61.41
09/27/16 20:29:29.0	9.19	9.03	61.38
09/27/16 21:29:29.0	9.20	9.04	61.34
09/27/16 22:29:29.0	9.20	9.04	61.34
09/27/16 23:29:29.0	9.21	9.05	61.30
09/28/16 00:29:29.0	9.22	9.07	61.30
09/28/16 01:29:29.0	9.22	9.07	61.30
09/28/16 02:29:29.0	9.23	9.08	61.27
09/28/16 03:29:29.0	9.23	9.08	61.23
09/28/16 04:29:29.0	9.22	9.07	61.20
09/28/16 05:29:29.0	9.22	9.07	61.16
09/28/16 06:29:29.0	9.22	9.07	61.09
09/28/16 07:29:29.0	9.21	9.06	61.05
09/28/16 08:29:29.0	9.22	9.07	61.05
09/28/16 09:29:29.0	9.22	9.07	61.02
09/28/16 10:29:29.0	9.23	9.08	61.05
09/28/16 11:29:29.0	9.25	9.10	61.12
09/28/16 12:29:29.0	9.25	9.10	61.23
09/28/16 13:29:29.0	9.27	9.12	61.27
09/28/16 14:29:29.0	9.25	9.10	61.23
09/28/16 15:29:29.0	9.30	9.15	61.23
09/28/16 16:29:29.0	9.32	9.17	61.27
09/28/16 17:29:29.0	9.33	9.18	61.23
09/28/16 18:29:29.0	9.34	9.19	61.16
09/28/16 19:29:29.0	9.37	9.22	61.16
09/28/16 20:29:29.0	9.40	9.25	61.12
09/28/16 21:29:29.0	9.45	9.30	61.12
09/28/16 22:29:29.0	9.46	9.31	61.16
09/28/16 23:29:29.0	9.45	9.30	61.20
09/29/16 00:29:29.0	9.46	9.31	61.27
09/29/16 01:29:29.0	9.43	9.28	61.30
09/29/16 02:29:29.0	9.45	9.30	61.30
09/29/16 03:29:29.0	9.42	9.27	61.30
09/29/16 04:29:29.0	9.42	9.27	61.23
09/29/16 05:29:29.0	9.41	9.26	61.20
09/29/16 06:29:29.0	9.45	9.30	61.16
09/29/16 07:29:29.0	9.46	9.31	61.12
09/29/16 08:29:29.0	9.47	9.32	61.09
09/29/16 09:29:29.0	9.47	9.32	61.02
09/29/16 10:29:29.0	9.49	9.34	61.02
09/29/16 11:29:29.0	9.50	9.35	61.05

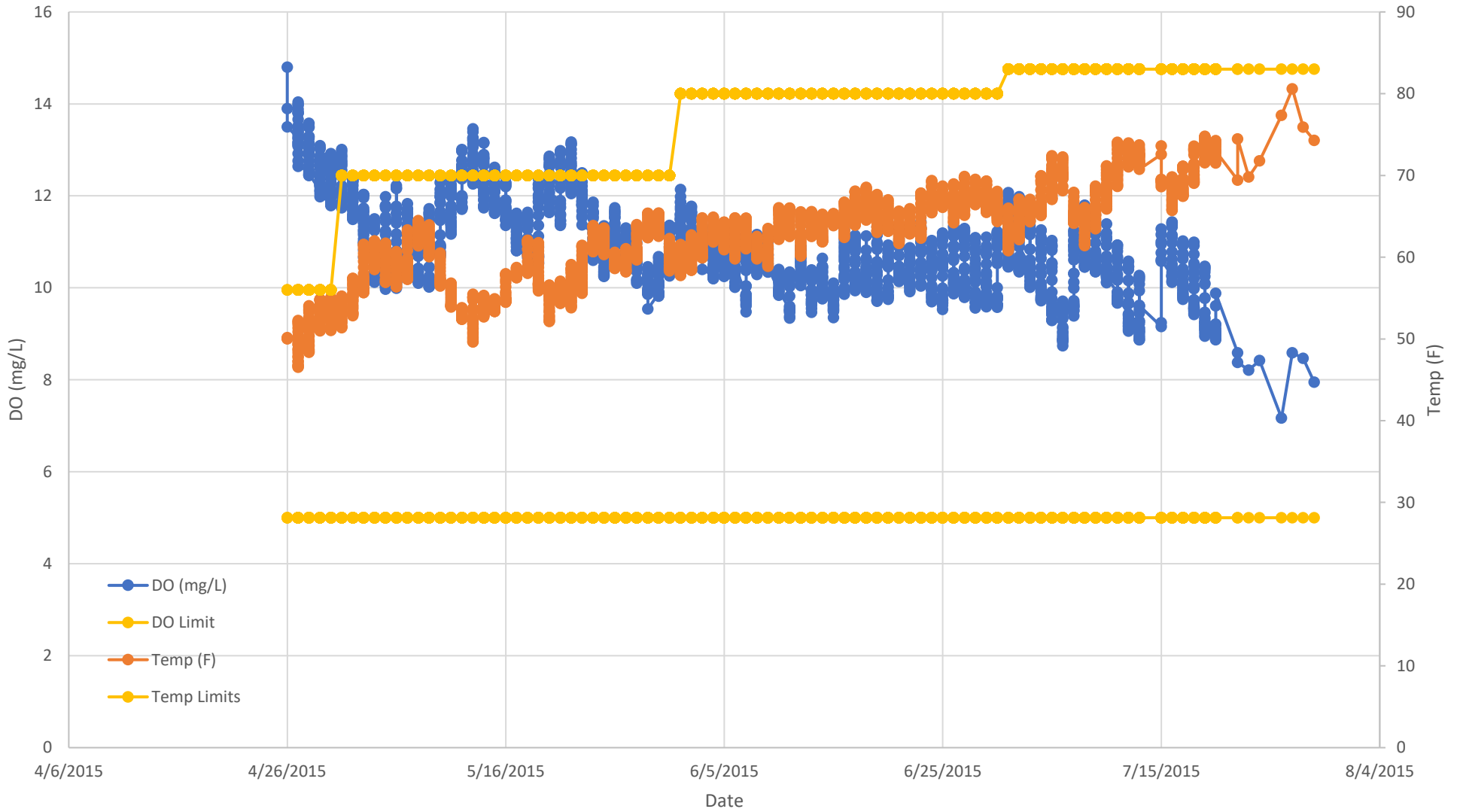
Power_Dam_Merged

09/29/16 12:29:29.0	9.51	9.36	61.20
09/29/16 13:29:29.0	9.54	9.39	61.30
09/29/16 14:29:29.0	9.55	9.40	61.34
09/29/16 15:29:29.0	9.56	9.41	61.34
09/29/16 16:29:29.0	9.57	9.42	61.27
09/29/16 17:29:29.0	9.57	9.42	61.20
09/29/16 18:29:29.0	9.57	9.42	61.12
09/29/16 19:29:29.0	9.57	9.42	61.12
09/29/16 20:29:29.0	9.60	9.45	61.16
09/29/16 21:29:29.0	9.61	9.46	61.23
09/29/16 22:29:29.0	9.63	9.48	61.34
09/29/16 23:29:29.0	9.61	9.47	61.45
09/30/16 00:29:29.0	9.59	9.45	61.59
09/30/16 01:29:29.0	9.58	9.44	61.70
09/30/16 02:29:29.0	9.54	9.40	61.77
09/30/16 03:29:29.0	9.50	9.36	61.77
09/30/16 04:29:29.0	9.48	9.34	61.77
09/30/16 05:29:29.0	9.46	9.32	61.74
09/30/16 06:29:29.0	9.45	9.31	61.74
09/30/16 07:29:29.0	9.46	9.32	61.70
09/30/16 08:29:29.0	9.46	9.32	61.70
09/30/16 09:29:29.0	9.48	9.34	61.66
09/30/16 10:29:29.0	9.49	9.35	61.66
09/30/16 11:29:29.0	9.54	9.40	61.63
09/30/16 12:29:29.0	9.57	9.43	61.63
09/30/16 13:29:29.0	9.58	9.44	61.52
09/30/16 14:29:29.0	9.63	9.49	61.41
09/30/16 15:29:29.0	9.64	9.50	61.27
09/30/16 16:29:29.0	9.65	9.51	61.23
09/30/16 17:29:29.0	9.66	9.52	61.09
09/30/16 18:29:29.0	9.66	9.52	61.09
09/30/16 19:29:29.0	9.67	9.53	61.12
09/30/16 20:29:29.0	9.65	9.51	61.16
09/30/16 21:29:29.0	9.66	9.52	61.27
09/30/16 22:29:29.0	9.64	9.50	61.41
09/30/16 23:29:29.0	9.64	9.50	61.52
10/01/16 00:29:29.0	9.61	9.47	61.63
10/01/16 01:29:29.0	9.60	9.46	61.70
10/01/16 02:29:29.0	9.58	9.45	61.77
10/01/16 03:29:29.0	9.54	9.41	61.88
10/01/16 04:29:29.0	9.50	9.37	61.92
10/01/16 05:29:29.0	9.47	9.34	61.92
10/01/16 06:29:29.0	9.45	9.32	61.88
10/01/16 07:29:29.0	9.43	9.30	61.84
10/01/16 08:29:29.0	9.43	9.30	61.81
10/01/16 09:29:29.0	9.43	9.30	61.81

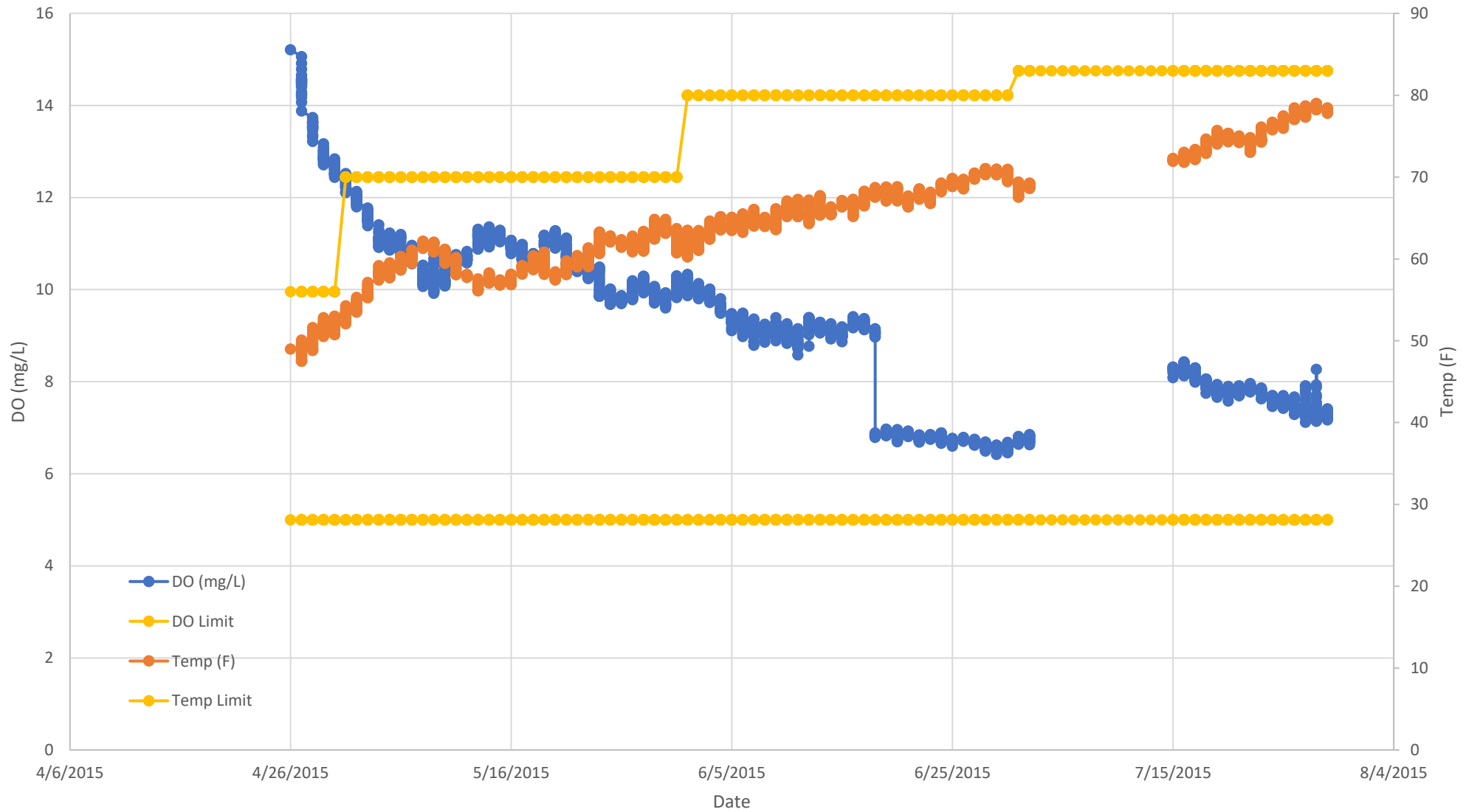
Hwy 8 - 2015
(4/26 to 7/29)

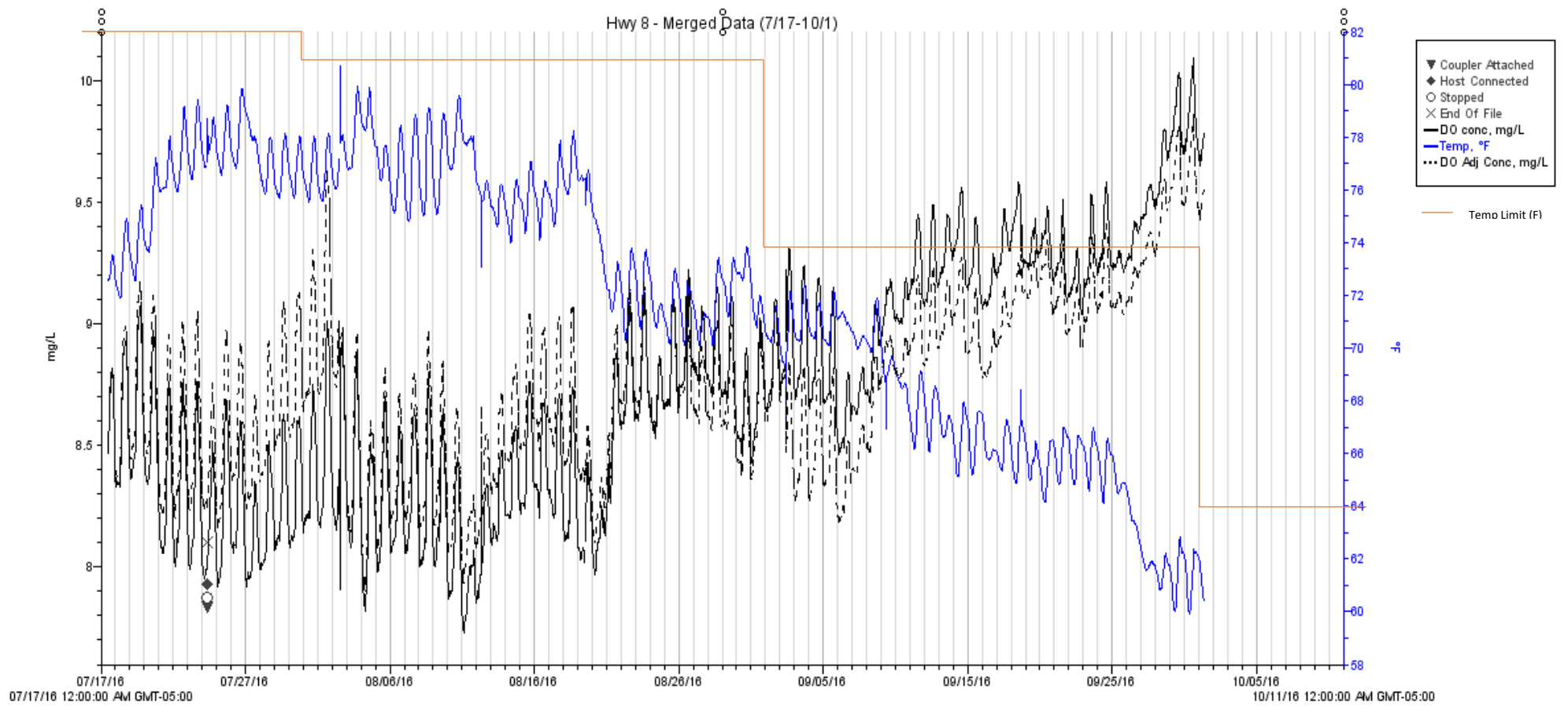


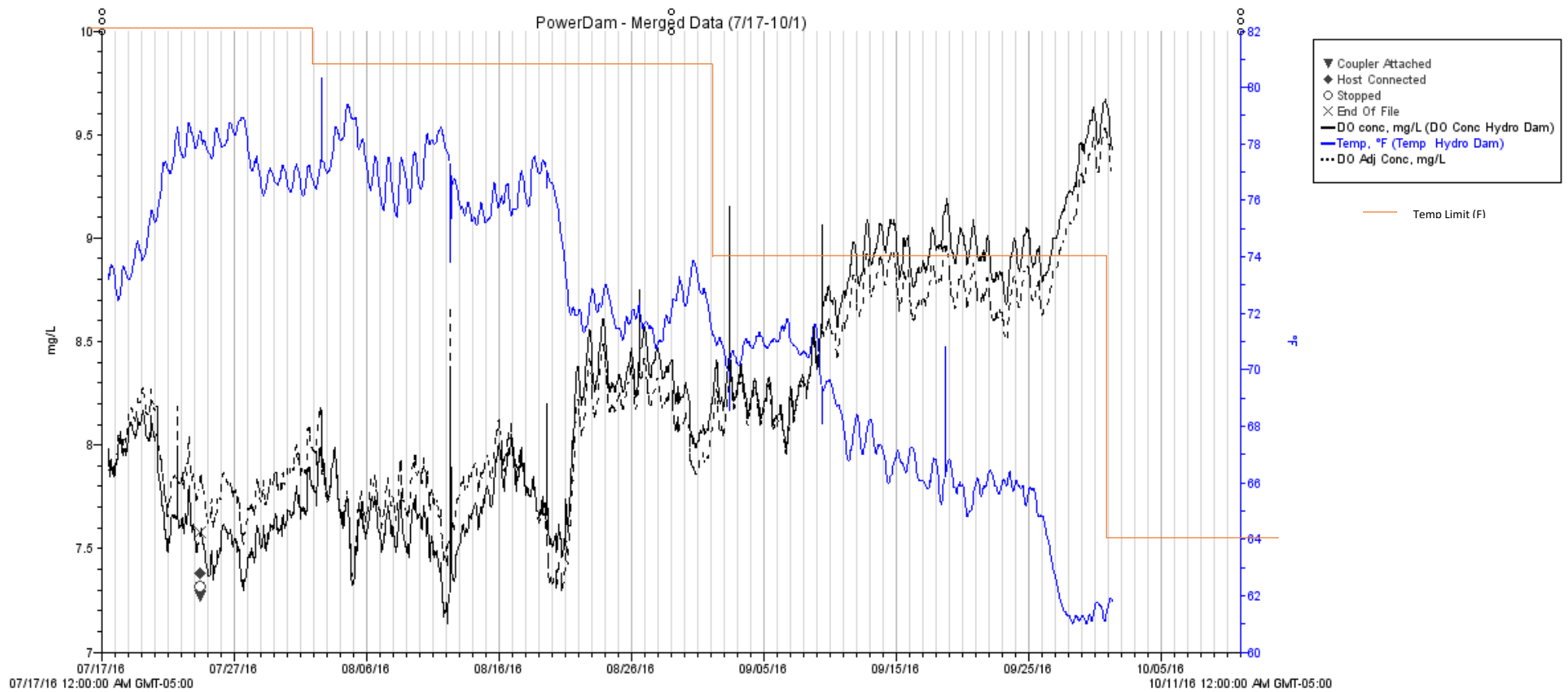
US-2 - 2015
(4/26 to 7/29)



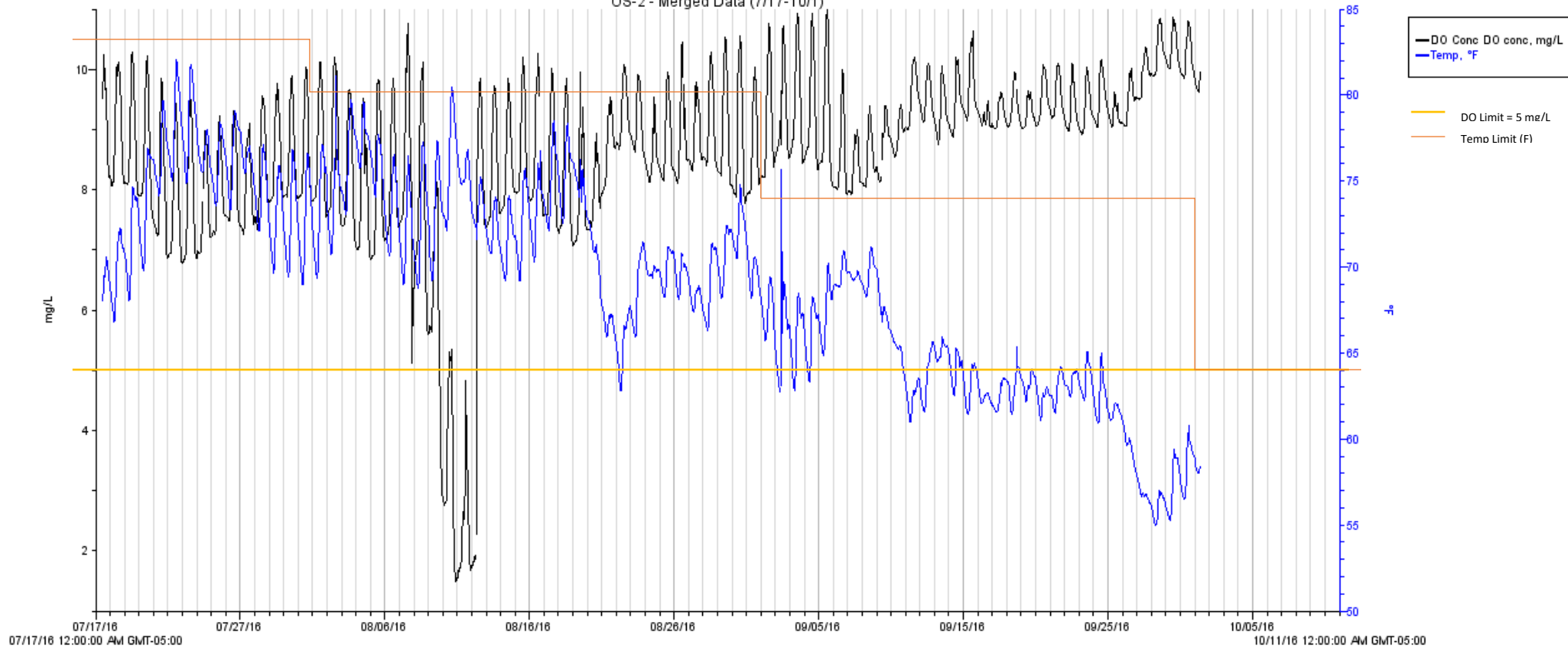
Power Dam - 2015 (4/26 to 7/29)







US-2 - Merged Data (7/17-10/1)



Daily Statistics - Hwy 8 2015							
Date	Samples	DO (mg/L)			Temperature (F)		
		Min	Max	Avg	Min	Max	Avg
4/26/2015	4	11.78	12.32	12.02	49.4	49.69	49.58
4/27/2015	24	11.89	12.68	12.29	46.96	50.73	48.52
4/28/2015	24	11.78	12.57	12.25	48.11	52.34	49.91
4/29/2015	24	11.11	11.8	11.41	49.95	53.32	51.35
4/30/2015	24	11.01	11.81	11.47	50.29	53.91	51.76
5/1/2015	24	10.7	11.46	11.21	51.04	55.28	52.98
5/2/2015	24	10.41	11.19	10.85	52.26	56.42	54.14
5/3/2015	24	9.94	10.57	10.35	53.67	58.26	55.69
5/4/2015	24	9.48	10.17	9.84	56.1	59.38	57.68
5/5/2015	24	9.21	10.26	9.73	56.13	60.89	58.31
5/6/2015	24	8.89	10.49	9.72	57.18	60.51	58.95
5/7/2015	24	8.84	10.17	9.56	58.29	62.32	60.06
5/8/2015	24	8.8	9.38	9.04	59.89	62.29	61.26
5/9/2015	24	8.67	10.05	9.36	59.46	62.12	60.86
5/10/2015	24	9.13	10.47	9.74	58.75	61.58	60.23
5/11/2015	24	10.09	10.57	10.3	58.31	60.81	59.23
5/12/2015	24	10.04	10.9	10.45	57.91	59.22	58.51
5/13/2015	24	10.56	11.31	10.9	55.75	59.89	57.89
5/14/2015	24	10.56	11.29	10.92	56.53	59.52	57.99
5/15/2015	24	10.61	11.04	10.85	56.25	58.06	57.25
5/16/2015	24	10.53	11.07	10.82	57.01	59.8	58.02
5/17/2015	24	10.38	10.88	10.63	57.99	59.66	58.85
5/18/2015	24	10.27	11.01	10.58	58.6	61.58	59.87
5/19/2015	24	10.25	11.47	10.84	57.32	61.3	58.88
5/20/2015	24	10.37	11.13	10.78	56.4	59.96	58.16
5/21/2015	24	8.26	10.78	9.82	57.61	61.22	59.54
5/22/2015	24	6.12	8.47	7.85	57.26	61.41	59.48
5/23/2015	24	6.84	7.62	7.25	58.5	62.68	60.47
5/24/2015	24	5.93	7.07	6.33	61.3	62.96	62.21
5/25/2015	24	4.63	6.07	5.11	60.8	62.63	61.67
5/26/2015	24	4.64	8.19	6.16	60.96	62.53	61.76
5/27/2015	24	4.01	7.8	5.61	61.01	62.96	61.78
5/28/2015	24	6.49	8.9	8.44	61.07	63.26	61.92
5/29/2015	24	7.95	8.63	8.34	62.32	64.7	63.15
5/30/2015	24	7.84	8.31	8.17	62.99	64.13	63.52
5/31/2015	24	7.77	8.43	8.19	61.07	64.64	62.66
6/1/2015	24	7.62	8.27	8	60.42	64.68	62.38
6/2/2015	24	7.4	7.95	7.72	60.83	64.85	62.75
6/3/2015	24	6.69	7.65	7.22	61.97	65.73	63.73
6/4/2015	24	6.84	7.44	7.23	63.28	65.56	64.08
6/5/2015	22	6.76	8.94	7.44	63.43	66.48	64.5
6/6/2015	24	8.11	8.65	8.39	62.31	66.9	64.61

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6/7/2015	24	7.91	8.34	8.13	63.83	66.63	64.87
6/8/2015	24	7.99	8.49	8.26	64.1	65.56	64.8
6/9/2015	24	7.93	8.45	8.22	63.99	67.38	65.35
6/10/2015	24	7.94	8.29	8.1	65.05	67.72	66.3
6/11/2015	24	7.85	8.26	8.1	65.25	67.57	65.96
6/12/2015	24	7.87	8.24	8.07	64.85	68.87	66.19
6/13/2015	24	7.73	8.26	8	65.13	68.58	66.37
6/14/2015	24	7.74	8.1	7.93	65.41	68.09	66.33
6/15/2015	24	7.65	8.01	7.85	65.81	68.03	66.74
6/16/2015	24	7.84	8.33	8.09	64.7	69.02	66.4
6/17/2015	24	7.76	8.2	8.01	65.68	69.07	67.39
6/18/2015	14	7.52	7.91	7.7	66.72	69	67.62
6/19/2015	1			8.28			70.52
6/20/2015	1			8.26			67.28
6/21/2015	0						
6/22/2015	2	8.17	8.48	8.325	66.92	73.4	70.16
6/23/2015	2	8.29	8.41	8.35	68.36	70.16	69.26
6/24/2015	2	8.27	8.3	8.29	69.62	70.34	69.98
6/25/2015	2	8.11	8.28	8.19	67.64	68.72	68.18
6/26/2015	0						
6/27/2015	0						
6/28/2015	0						
6/29/2015	0						
6/30/2015	1			8.21			70.52
7/1/2015	2	8.27	8.55	8.41	66.38	70.7	68.54
7/2/2015	2	8.31	8.44	8.37	66.92	69.62	68.27
7/3/2015	1			8.13			67.64
7/4/2015	1			8.21			71.78
7/5/2015	1			7.94			69.98
7/6/2015	1			7.89			70.7
7/7/2015	1			8.36			67.1
7/8/2015	6	7.11	7.38	7.28	70.59	71.56	71.29
7/9/2015	23	6.7	7.37	7.08	68.46	71.87	70.4
7/10/2015	24	6.74	7.2	7.02	68.94	72.9	70.77
7/11/2015	24	6.29	6.71	6.47	70.42	73.65	72.03
7/12/2015	24	6.01	6.48	6.3	71.21	73.6	72.54
7/13/2015	24	5.96	6.34	6.1	71.72	74.01	72.76
7/14/2015	1			6.03			73.96
7/15/2015	10	7.02	8.67	7.55	70.57	74.49	72.98
7/16/2015	24	6.68	6.99	6.81	71.06	73.85	72.82
7/17/2015	24	6.43	6.78	6.64	71.78	74.46	72.95
7/18/2015	24	6.44	7.14	6.73	72.5	75.48	73.83
7/19/2015	24	6.79	7.44	7.08	73.43	75.32	74.7
7/20/2015	24	6.36	7.39	7	73.18	75.76	74.53
7/21/2015	24	6.19	6.85	6.49	72.7	75.35	74.06
7/22/2015	24	5.65	6.38	6	72.9	75.77	74.23
7/23/2015	24	5.24	5.99	5.67	74.62	77.78	75.73

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7/24/2015	24	5.41	6.17	5.75	75.95	77.03	76.38
7/25/2015	24	5.34	6.06	5.63	75.37	79.09	76.8
7/26/2015	24	5.1	5.81	5.51	76.2	79.91	77.54
7/27/2015	24	4.85	5.45	5.17	77.19	80.68	78.21
7/28/2015	24	4.67	5.35	4.94	77.77	79.38	78.35
7/29/2015	14	4.8	5.29	4.99	76.84	77.82	77.12

Daily Statistics - Hwy 8 2016										
Date	Samples	DO (mg/L)			DO Adj (mg/L)			Temperature (F)		
		Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
7/17/2016	11	8.47	8.81	8.67	8.49	8.82	8.68	72.61	73.54	73.06
7/18/2016	24	8.33	8.93	8.59	8.35	8.99	8.64	71.89	74.91	73.24
7/19/2016	24	8.36	9.07	8.67	8.43	9.18	8.76	72.54	75.42	73.85
7/20/2016	24	8.34	8.97	8.58	8.46	9.12	8.72	73.65	77.22	75.08
7/21/2016	24	8.06	8.76	8.32	8.22	8.96	8.49	75.96	78.01	76.6
7/22/2016	24	8	8.77	8.35	8.2	9.01	8.57	75.92	79.16	77.24
7/23/2016	24	7.99	8.76	8.3	8.23	9.05	8.57	76.39	79.41	77.73
7/24/2016	24	7.95	8.52	8.17	8.23	8.76	8.42	76.86	78.73	77.69
7/25/2016	24	7.92	8.69	8.27	8.16	8.97	8.53	76.57	79.2	77.76
7/26/2016	24	8.03	8.6	8.27	8.34	8.93	8.57	76.82	79.84	78.15
7/27/2016	24	7.92	8.35	8.08	8.24	8.71	8.42	76.86	78.94	78.06
7/28/2016	24	7.99	8.52	8.2	8.35	8.93	8.59	75.85	77.97	76.8
7/29/2016	24	8.07	8.63	8.29	8.47	9.09	8.72	75.7	78.12	76.74
7/30/2016	24	8.08	8.62	8.31	8.53	9.13	8.79	75.67	78.01	76.77
7/31/2016	24	8.14	8.75	8.38	8.63	9.31	8.9	75.52	78.04	76.63
8/1/2016	24	8.16	9.01	8.51	8.7	9.63	9.09	75.56	78.12	76.68
8/2/2016	24	7.91	8.93	8.45	7.95	9.01	8.79	76.03	80.67	77.13
8/3/2016	24	8.08	8.89	8.41	8.14	8.96	8.47	76.75	79.92	78.04
8/4/2016	24	7.82	8.51	8.18	7.9	8.6	8.26	77.68	79.88	78.64
8/5/2016	24	7.98	8.7	8.29	8.07	8.81	8.39	76.32	77.68	77.1
8/6/2016	24	8.06	8.58	8.26	8.17	8.71	8.38	75.13	78.44	76.54
8/7/2016	24	8.06	8.65	8.3	8.19	8.8	8.45	74.8	78.87	76.66
8/8/2016	24	8	8.8	8.29	8.15	8.98	8.45	75.02	79.12	76.93
8/9/2016	24	8	8.65	8.25	8.17	8.85	8.43	75.09	78.91	76.91
8/10/2016	24	7.87	8.45	8.1	8.06	8.66	8.3	76.78	79.59	77.95
8/11/2016	24	7.73	8.07	7.9	7.93	8.29	8.12	76.57	78.22	77.74
8/12/2016	25	7.86	8.46	8.12	8.08	8.66	8.33	73.08	76.35	75.81
8/13/2016	24	8.09	8.48	8.25	8.29	8.71	8.47	74.62	76.21	75.42
8/14/2016	24	8.2	8.58	8.36	8.43	8.83	8.59	74.01	76.42	75.24
8/15/2016	24	8.22	8.76	8.44	8.47	9.04	8.7	74.34	77.07	75.72
8/16/2016	24	8.2	8.69	8.43	8.47	8.98	8.71	74.08	76.32	75.52
8/17/2016	24	8.2	8.71	8.4	8.49	9.03	8.7	74.59	77.86	76.07
8/18/2016	24	8.11	8.74	8.34	8.41	9.08	8.66	75.81	78.22	76.81
8/19/2016	25	8.02	8.43	8.17	8.28	8.58	8.42	75.38	76.78	76.29
8/20/2016	24	7.97	8.25	8.12	8.1	8.37	8.24	72.36	75.24	74.05
8/21/2016	24	8.22	8.9	8.58	8.33	9	8.68	71.38	73.26	72.27
8/22/2016	24	8.59	9.09	8.78	8.66	9.16	8.85	70.27	73.8	72.16
8/23/2016	24	8.6	9.14	8.81	8.65	9.18	8.85	70.7	73.72	72.34
8/24/2016	24	8.53	8.86	8.68	8.55	8.87	8.69	70.77	72.61	71.45
8/25/2016	24	8.65	9.1	8.82	8.63	9.08	8.8	70.16	73	71.54
8/26/2016	24	8.69	9.22	8.9	8.61	9.11	8.8	70.12	72.57	71.48
8/27/2016	24	8.75	9.07	8.88	8.59	8.91	8.71	70.12	71.6	70.93
8/28/2016	24	8.7	9.15	8.87	8.56	9.01	8.73	70.09	73.44	71.74
8/29/2016	24	8.56	9.11	8.82	8.46	8.99	8.7	71.2	73.44	72.38
8/30/2016	24	8.46	8.9	8.64	8.37	8.81	8.55	72.57	73.83	73.08
8/31/2016	24	8.43	9.02	8.72	8.35	8.95	8.65	70.66	72.28	71.43
9/1/2016	24	8.64	9.1	8.83	8.58	9.06	8.78	70.16	71.6	70.7
9/2/2016	24	8.71	9.31	8.98	8.32	8.84	8.68	67.35	72.14	70.41
9/3/2016	24	8.69	9.24	8.91	8.27	8.82	8.5	70.27	72.39	71.09
9/4/2016	24	8.65	9.19	8.88	8.27	8.81	8.51	70.38	71.78	70.92
9/5/2016	24	8.54	9.15	8.81	8.24	8.82	8.48	70.12	72.14	70.9
9/6/2016	24	8.46	8.8	8.59	8.17	8.52	8.32	70.63	71.38	71.06

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9/7/2016	24	8.63	8.82	8.71	8.38	8.59	8.47	69.94	70.59	70.3
9/8/2016	24	8.67	9.08	8.87	8.46	8.88	8.67	69.84	71.89	70.69
9/9/2016	25	8.93	9.18	9.08	8.75	8.96	8.87	66.92	70.16	69.22
9/10/2016	24	9	9.19	9.07	8.77	8.96	8.84	67.46	69.12	68.49
9/11/2016	24	9.07	9.45	9.24	8.82	9.2	9	66.16	69.15	67.67
9/12/2016	24	9.09	9.49	9.25	8.84	9.23	8.99	66.06	68.58	67.5
9/13/2016	24	9.16	9.45	9.3	8.9	9.18	9.04	66.63	67.68	67.05
9/14/2016	24	9.14	9.56	9.36	8.86	9.27	9.08	65.12	67.96	66.56
9/15/2016	24	9.07	9.44	9.25	8.78	9.15	8.96	65.19	67.6	66.62
9/16/2016	24	9.06	9.29	9.14	8.77	8.99	8.85	65.77	67.28	66.15
9/17/2016	24	9.19	9.47	9.33	8.89	9.15	9.02	65.34	67.28	66.28
9/18/2016	24	9.23	9.58	9.42	9.06	9.33	9.16	64.87	68.4	66.17
9/19/2016	24	9.22	9.43	9.31	9.1	9.3	9.18	64.98	66.45	65.76
9/20/2016	24	9.16	9.48	9.34	9.02	9.34	9.2	64.15	66.52	65.43
9/21/2016	24	9.09	9.51	9.25	8.95	9.36	9.11	64.83	66.96	66.01
9/22/2016	24	9.04	9.31	9.17	8.89	9.16	9.02	64.83	66.67	65.91
9/23/2016	24	9.1	9.53	9.29	8.95	9.37	9.13	64.58	66.99	65.95
9/24/2016	24	9.2	9.58	9.35	9.04	9.41	9.18	64.11	66.56	65.53
9/25/2016	24	9.21	9.3	9.25	9.04	9.13	9.08	64.47	65.95	64.96
9/26/2016	24	9.25	9.42	9.34	9.07	9.24	9.16	62.46	64.69	63.47
9/27/2016	24	9.43	9.57	9.5	9.24	9.37	9.3	61.56	62.35	61.82
9/28/2016	24	9.49	9.8	9.66	9.29	9.59	9.45	60.84	62.24	61.51
9/29/2016	24	9.7	10.03	9.84	9.48	9.81	9.63	60.01	62.82	61.49
9/30/2016	24	9.69	10.09	9.86	9.46	9.86	9.64	59.9	62.38	61.4
10/1/2016	9	9.65	9.78	9.7	9.42	9.55	9.48	60.44	61.99	61.27

Daily Statistics - US-2 2015							
Date	Samples	DO (mg/L)			Temperature (F)		
		Min	Max	Avg	Min	Max	Avg
4/26/2015	3	13.5	14.8	14.06	50.02	50.15	50.07
4/27/2015	24	12.64	14.04	13.41	46.55	52.24	49.24
4/28/2015	24	12.44	13.58	12.91	48.37	54.04	51.13
4/29/2015	24	11.98	13.09	12.49	50.99	54.86	53.21
4/30/2015	24	11.79	12.92	12.34	51.04	55.04	53.26
5/1/2015	24	11.74	13.01	12.31	51.37	55.23	53.52
5/2/2015	24	11.49	12.4	11.92	52.85	57.42	54.96
5/3/2015	24	10.66	12.03	11.35	55.66	61.57	58.07
5/4/2015	24	10.12	11.5	10.69	58.49	61.97	60.53
5/5/2015	24	9.97	11.98	10.76	56.94	61.7	59.47
5/6/2015	24	9.99	12.22	10.92	56.39	60.67	58.51
5/7/2015	24	10.36	11.83	11.11	57.29	63.32	59.62
5/8/2015	24	10.1	11.19	10.58	61.4	64.47	62.82
5/9/2015	24	10.02	11.72	10.81	60.05	63.95	61.59
5/10/2015	22	10.68	12.42	11.39	56.46	60.51	57.83
5/11/2015	24	11.17	12.34	11.69	53.91	56.81	55.17
5/12/2015	24	11.71	13.01	12.25	52.4	53.82	52.98
5/13/2015	24	12.26	13.46	12.8	49.63	55.46	52.12
5/14/2015	24	11.74	13.16	12.33	52.7	55.33	53.99
5/15/2015	24	11.62	12.62	12.08	53.36	54.9	54.11
5/16/2015	24	11.36	12.41	11.84	54.5	57.96	55.61
5/17/2015	24	10.81	11.62	11.2	57.5	58.73	57.95
5/18/2015	24	10.66	11.64	11.09	58.04	62.05	59.84
5/19/2015	24	10.53	12.37	11.33	55.89	61.78	58.12
5/20/2015	24	11.64	12.86	12.19	52.13	56.58	54.55
5/21/2015	22	11.36	12.98	11.99	54.34	57.07	55.67
5/22/2015	24	12.05	13.17	12.54	53.83	59.08	56.18
5/23/2015	24	11.37	12.5	11.94	55.59	61.45	58.4
5/24/2015	24	10.6	11.86	11.18	60.68	63.87	62.14
5/25/2015	24	10.25	11.35	10.7	60.33	63.57	61.64
5/26/2015	24	10.9	11.74	11.28	58.61	60.59	59.59
5/27/2015	24	10.66	11.3	10.97	58.21	61.03	59.37
5/28/2015	24	10.1	10.98	10.57	59.68	63.98	61.29
5/29/2015	24	9.54	10.46	10.11	62.4	65.36	63.53
5/30/2015	24	9.82	10.68	10.22	62.56	65.39	63.59
5/31/2015	24	10.26	11.36	10.94	58.31	62.27	60.12
6/1/2015	24	11.08	12.14	11.53	57.77	61.52	59.66
6/2/2015	24	10.86	11.77	11.34	58.41	62.7	60.25
6/3/2015	24	10.4	11.35	10.93	59.92	64.81	61.94
6/4/2015	23	10.2	10.9	10.51	61.86	64.88	62.98
6/5/2015	24	10.25	11.11	10.61	60.92	64.27	62.45
6/6/2015	24	10.01	11.34	10.65	59.8	64.79	62.54

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6/7/2015	24	9.48	10.79	10.16	61.03	64.77	62.57
6/8/2015	24	10.29	11.16	10.68	59.8	62.53	60.92
6/9/2015	24	10.34	11.1	10.66	58.87	63.52	60.68
6/10/2015	24	9.84	10.4	10.09	62.19	66.03	63.74
6/11/2015	24	9.34	10.34	9.92	62.53	66.01	63.57
6/12/2015	24	10.05	1091	10.51	60.14	65.55	62.22
6/13/2015	24	9.47	10.39	9.97	62.53	65.57	63.6
6/14/2015	24	9.76	10.64	10.17	61.89	65.25	62.99
6/15/2015	24	9.35	10.1	9.7	63.86	65.33	64.75
6/16/2015	24	9.86	11.37	10.6	62.41	66.71	64.46
6/17/2015	24	9.94	11.14	10.49	63.91	68.07	66.04
6/18/2015	23	9.9	11.13	10.3	64.53	68.53	66.62
6/19/2015	24	9.71	11.33	10.39	63.04	67.66	65.59
6/20/2015	24	9.75	10.93	10.3	63.17	67.01	64.33
6/21/2015	24	10.14	11.34	10.68	61.69	65.64	63.1
6/22/2015	24	9.92	10.87	10.38	62.85	65.93	63.96
6/23/2015	24	10.04	11.43	10.62	62.32	67.83	64.48
6/24/2015	24	9.7	11.03	10.26	65.45	69.37	67.28
6/25/2015	24	9.53	11.19	10.22	66.11	68.69	66.92
6/26/2015	24	9.87	11.34	10.51	64.22	68.95	66.58
6/27/2015	24	9.79	11.29	10.47	65.12	69.88	67.42
6/28/2015	24	9.56	11.09	10.25	66.41	69.51	67.61
6/29/2015	24	9.59	11.1	10.15	65.49	69.31	67.6
6/30/2015	24	9.58	11.22	10.34	64.35	68.04	65.8
7/1/2015	24	10.46	12.07	11.11	60.81	65.98	63.2
7/2/2015	22	10.35	11.98	11.01	62.16	67.1	64.5
7/3/2015	24	10.01	11.58	10.69	64.34	67.06	65.65
7/4/2015	24	9.72	11.26	10.39	65.1	69.97	67.19
7/5/2015	24	9.29	11.03	9.99	67.08	72.39	69.33
7/6/2015	24	8.74	9.71	9.22	68.14	72.25	70.23
7/7/2015	24	9.39	11.25	10.3	64.15	67.94	65.31
7/8/2015	24	10.45	11.8	11.04	61.43	66.08	63.84
7/9/2015	23	10.35	11.74	10.87	63.47	68.7	65.75
7/10/2015	24	10.11	11.39	10.56	65.9	71.18	68.12
7/11/2015	24	9.67	10.93	10.14	68.67	74.05	70.86
7/12/2015	24	9.06	10.58	9.72	71.05	73.97	72.64
7/13/2015	24	8.87	10.27	9.43	70.75	73.73	72.15
7/14/2015	0						
7/15/2015	9	9.16	11.28	10.52	68.63	73.61	70.07
7/16/2015	24	10.12	11.43	10.68	65.71	69.8	67.92
7/17/2015	24	9.75	11.02	10.27	67.44	71.11	69.01
7/18/2015	24	9.42	10.99	9.93	69.04	73.58	71.21
7/19/2015	24	8.95	10.47	9.62	71.56	74.78	73.47
7/20/2015	14	8.87	9.88	9.12	71.51	74.26	72.85
7/21/2015	0						
7/22/2015	2	8.38	8.59	8.48	69.44	74.48	71.96
7/23/2015	1			8.21			69.8

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7/24/2015	1			8.42			71.78
7/25/2015	0						
7/26/2015	1			7.17			77.36
7/27/2015	1			8.59			80.6
7/28/2015	1			8.47			75.92
7/29/2015	1			7.95			74.3

Daily Statistics - US2 2016							
Date	Samples	DO (mg/L)			Temperature (F)		
		Min	Max	Avg	Min	Max	Avg
7/17/2016	12	8.21	10.25	9.21	68.04	70.58	69.54
7/18/2016	24	8.06	10.11	8.92	66.78	72.25	69.7
7/19/2016	24	7.89	10.28	8.83	68.07	74.66	71.75
7/20/2016	24	7.52	10.23	8.64	69.8	76.89	73.78
7/21/2016	24	6.87	9.85	7.99	74.12	79.66	76.65
7/22/2016	24	6.77	9.43	7.74	75.02	82.04	78.24
7/23/2016	24	6.79	9.52	7.82	74.88	81.79	78.35
7/24/2016	23	6.86	8.97	7.7	75.49	77.97	76.59
7/25/2016	24	7.21	9.22	8	73.58	78.4	76.07
7/26/2016	24	7.43	9.3	8.14	73.33	79.09	76.61
7/27/2016	24	7.25	9.11	7.95	74.62	77.97	76.31
7/28/2016	24	7.34	9.56	8.32	72.1	77.14	74.35
7/29/2016	24	7.81	9.76	8.54	69.62	75.92	72.76
7/30/2016	24	7.86	9.89	8.6	69.44	76.82	72.89
7/31/2016	24	7.82	10.04	8.61	68.97	76.6	72.88
8/1/2016	24	7.55	10.12	8.61	69.33	77.14	73.43
8/2/2016	25	7.42	10.21	8.5	70.74	81.1	74.17
8/3/2016	23	7.04	9.66	8.14	73.08	79.77	76.28
8/4/2016	24	6.85	9.52	7.94	75.74	79.59	77.33
8/5/2016	24	6.85	9.82	8.06	73.18	77.68	75.6
8/6/2016	24	7.19	9.85	8.23	70.66	76.53	73.42
8/7/2016	24	5.11	10.76	8.32	69.01	76.46	72.17
8/8/2016	24	5.61	10.11	7.69	68.76	77.29	72.85
8/9/2016	24	2.84	8.13	5.89	69.22	77.36	73.08
8/10/2016	24	1.48	5.35	3.32	72.1	80.46	76.09
8/11/2016	24	1.54	4.83	2.4	73.54	76.86	75.39
8/12/2016	24	1.72	9.84	6.33	71.6	75.2	73.29
8/13/2016	24	7.39	9.73	8.29	70.77	74.08	72.02
8/14/2016	24	7.63	9.85	8.52	69.19	74.12	71.56
8/15/2016	24	7.86	10.2	8.67	69.19	75.74	72.71
8/16/2016	24	7.57	10.26	8.53	70.3	76.78	73.27
8/17/2016	22	7.31	10.01	8.22	72.14	78.48	75.01
8/18/2016	24	7.12	9.84	8.2	72.57	78.33	75.43
8/19/2016	25	7.06	9.95	8.01	72.93	76.24	74.83
8/20/2016	24	7.33	8.94	7.9	68	72.82	70.95
8/21/2016	24	7.94	9.53	8.71	65.55	67.75	66.71
8/22/2016	24	8.67	10.07	9.25	62.85	67.78	65.48
8/23/2016	23	8.5	9.91	9.05	65.91	71.46	68.73
8/24/2016	24	8.13	9.53	8.57	69.33	70.45	69.75
8/25/2016	24	8.14	9.96	8.8	68.29	71.2	69.93
8/26/2016	24	8.11	10.44	8.88	68.14	70.81	69.68
8/27/2016	24	8.31	9.78	8.87	67.39	69.33	68.28

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8/28/2016	24	8.34	10.28	9.03	66.27	71.42	68.98
8/29/2016	24	8.07	10.53	8.97	68.18	72.43	70.53
8/30/2016	24	7.78	10.56	8.79	70.52	74.77	72.26
8/31/2016	24	7.89	10.03	8.69	68.18	71.46	69.71
9/1/2016	23	8.2	10.76	8.98	65.73	69.4	67.39
9/2/2016	25	8.52	10.72	9.26	62.78	75.7	66.25
9/3/2016	24	8.43	10.93	9.38	62.85	68.5	65.89
9/4/2016	24	8.34	10.93	9.35	63.36	68.29	66.11
9/5/2016	24	8.06	10.98	9.22	64.83	70.2	67.44
9/6/2016	24	7.92	9.99	8.51	68.83	70.92	69.55
9/7/2016	24	7.92	9	8.33	69.04	69.76	69.43
9/8/2016	24	8.04	9.39	8.52	68.29	71.17	69.58
9/9/2016	25	8.13	9.39	8.76	66.31	69.8	67.53
9/10/2016	24	8.54	9.42	8.92	63.46	66.16	65.13
9/11/2016	24	9	10.2	9.56	60.98	63.57	62.49
9/12/2016	23	9.12	10.1	9.48	61.59	65.66	63.6
9/13/2016	24	8.75	10.05	9.28	64.51	65.95	65.12
9/14/2016	23	8.87	10.21	9.41	62.56	65.3	64.05
9/15/2016	24	9.15	10.64	9.69	61.41	64.4	63.16
9/16/2016	24	9.03	9.48	9.19	62.06	63.32	62.42
9/17/2016	24	9.01	9.62	9.25	61.56	63.54	62.54
9/18/2016	25	9.04	9.96	9.37	61.45	65.34	63.13
9/19/2016	24	9.01	9.65	9.26	62.17	64.04	63.24
9/20/2016	24	9.06	10.07	9.51	61.09	63.25	62.39
9/21/2016	24	9.18	10.1	9.52	61.48	64.18	62.92
9/22/2016	24	8.97	10.1	9.33	62.42	64.04	63.31
9/23/2016	24	8.92	10.03	9.38	62.2	65.08	63.49
9/24/2016	24	9.04	10.16	9.53	60.94	64.98	62.44
9/25/2016	24	9.03	9.62	9.24	61.02	62.1	61.53
9/26/2016	24	9.05	10.01	9.47	57.88	60.84	59.46
9/27/2016	24	9.5	10.37	9.9	56.16	57.67	56.74
9/28/2016	24	9.89	10.85	10.32	54.97	56.98	56.09
9/29/2016	24	9.99	10.87	10.32	55.29	59.4	57.38
9/30/2016	24	9.82	10.81	10.2	56.52	60.76	58.45
10/1/2016	9	9.61	9.96	9.72	58.06	58.6	58.23

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Daily Statistics - Power Dam 2015							
Date	Samples	DO (mg/L)			Temperature (F)		
		Min	Max	Avg	Min	Max	Avg
4/26/2015	1			15.21			48.98
4/27/2015	24	13.88	15.06	14.45	47.5	50.09	48.7
4/28/2015	24	13.22	13.74	13.54	48.81	51.61	50.05
4/29/2015	24	12.71	13.17	12.91	50.52	52.83	51.71
4/30/2015	24	12.44	12.84	12.64	50.74	52.99	52.06
5/1/2015	24	12.11	12.52	12.35	52.09	54.28	53.04
5/2/2015	24	11.8	12.13	11.98	53.48	55.32	54.36
5/3/2015	24	11.39	11.77	11.57	55.26	57.14	55.96
5/4/2015	24	10.92	11.41	11.09	57.42	59.17	58.33
5/5/2015	24	10.86	11.23	11.03	57.7	59.52	58.78
5/6/2015	24	10.51	11.2	10.84	58.63	60.29	59.48
5/7/2015	24	10.56	10.96	10.77	59.48	61.07	60.02
5/8/2015	24	10.07	10.53	10.28	61.28	62.15	61.92
5/9/2015	24	9.92	10.83	10.29	60.86	62.04	61.44
5/10/2015	22	10.08	10.74	10.36	59.46	61.16	60.43
5/11/2015	24	10.52	10.76	10.64	58.07	60.16	59.29
5/12/2015	24	10.58	10.83	10.69	57.74	58.08	57.98
5/13/2015	24	10.88	11.31	11.15	56.11	57.55	56.78
5/14/2015	24	10.93	11.36	11.13	57.04	58.27	57.79
5/15/2015	24	11.04	11.29	11.13	56.81	57.41	57.08
5/16/2015	24	10.78	11.07	10.95	56.87	58.11	57.56
5/17/2015	24	10.64	10.98	10.78	58.15	59.18	58.82
5/18/2015	24	10.54	10.78	10.65	58.69	60.35	59.48
5/19/2015	24	10.51	11.18	10.75	58.1	60.83	59.8
5/20/2015	24	10.9	11.28	11.11	57.44	58.42	57.84
5/21/2015	22	10.53	11.12	10.81	58.08	59.75	58.92
5/22/2015	24	10.39	10.66	10.51	59.03	60.41	59.53
5/23/2015	24	10.24	10.77	10.46	59.05	61.34	60.12
5/24/2015	24	9.86	10.49	10.11	60.64	63.28	62.04
5/25/2015	24	9.68	10.01	9.82	62.05	62.81	62.38
5/26/2015	24	9.7	9.87	9.78	61.44	62.35	61.83
5/27/2015	24	9.78	10.19	9.96	60.89	62.79	61.7
5/28/2015	24	9.93	10.29	10.15	60.96	63.37	61.95
5/29/2015	24	9.71	10.07	9.92	62.44	64.84	63.14
5/30/2015	24	9.6	9.93	9.78	63.14	64.83	63.73
5/31/2015	24	9.83	10.3	10.08	60.74	63.71	62.17
6/1/2015	22	9.87	10.33	10.1	60.24	63.5	61.76
6/2/2015	24	9.8	10.13	9.98	61.04	63.48	62.34
6/3/2015	24	9.72	10.01	9.84	62.41	64.64	63.36
6/4/2015	20	9.49	9.8	9.59	63.54	65.16	64.32
6/5/2015	24	9.11	9.48	9.32	63.48	65.1	64.03
6/6/2015	24	8.98	9.49	9.25	63.26	65.5	64.54

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6/7/2015	24	8.79	9.36	9.08	64.04	66.04	65.06
6/8/2015	24	8.86	9.25	9.06	63.96	65.06	64.51
6/9/2015	24	8.89	9.39	9.15	63.6	66.13	64.52
6/10/2015	24	8.83	9.26	9.04	65.17	67.08	66.04
6/11/2015	24	8.58	9.15	8.9	65.17	67.27	65.98
6/12/2015	24	8.77	9.39	9.27	64.31	67.2	65.28
6/13/2015	24	9.06	9.29	9.17	65.36	67.71	66.49
6/14/2015	24	8.93	9.26	9.12	65.41	66.36	65.64
6/15/2015	24	8.87	9.19	9.05	66.37	67.13	66.83
6/16/2015	24	9.17	9.41	9.27	65.17	67.3	66.08
6/17/2015	24	9.13	9.37	9.22	66.49	68.27	67.44
6/18/2015	22	6.79	9.15	8.45	67.54	68.73	68.21
6/19/2015	24	6.83	6.97	6.88	67.08	68.78	67.89
6/20/2015	24	6.7	6.96	6.81	67.09	68.81	68.21
6/21/2015	24	6.81	6.93	6.86	66.36	67.69	66.78
6/22/2015	24	6.69	6.84	6.75	67.3	68.56	68
6/23/2015	24	6.75	6.85	6.79	66.76	68.14	67.28
6/24/2015	24	6.66	6.89	6.78	68.21	69.27	68.94
6/25/2015	24	6.6	6.77	6.7	68.86	69.84	69.31
6/26/2015	24	6.71	6.79	6.74	68.56	69.71	69.02
6/27/2015	24	6.62	6.75	6.68	69.74	70.5	70.14
6/28/2015	24	6.49	6.69	6.58	70.28	71.04	70.73
6/29/2015	24	6.42	6.62	6.56	70.3	70.98	70.55
6/30/2015	24	6.46	6.68	6.53	69.44	70.94	70.38
7/1/2015	24	6.64	6.81	6.73	67.55	69.4	68.43
7/2/2015	15	6.63	6.85	6.75	68.61	69.25	68.97
7/3/2015	0						
7/4/2015	0						
7/5/2015	0						
7/6/2015	0						
7/7/2015	0						
7/8/2015	0						
7/9/2015	0						
7/10/2015	0						
7/11/2015	0						
7/12/2015	0						
7/13/2015	0						
7/14/2015	0						
7/15/2015	6	8.09	8.32	8.24	71.94	72.28	72.11
7/16/2015	24	8.13	8.43	8.26	71.81	73.02	72.43
7/17/2015	24	7.99	8.3	8.14	72.14	73.38	72.68
7/18/2015	24	7.75	8.06	7.94	72.87	74.66	73.6
7/19/2015	24	7.66	7.94	7.81	74.04	75.68	74.71
7/20/2015	24	7.58	7.9	7.8	74.33	75.34	74.82
7/21/2015	24	7.7	7.91	7.8	74.23	75.02	74.59
7/22/2015	24	7.78	7.96	7.88	73.03	74.81	73.83
7/23/2015	24	7.63	7.86	7.78	74.27	76.13	74.91

PowerDam-2015

7/24/2015	24	7.46	7.7	7.61	75.78	76.7	76.16
7/25/2015	24	7.42	7.7	7.57	75.97	77.47	76.63
7/26/2015	24	7.29	7.67	7.48	77.04	78.46	77.53
7/27/2015	24	7.12	7.91	7.47	77.33	78.68	78
7/28/2015	24	7.14	8.27	7.43	78.24	78.99	78.67
7/29/2015	15	7.17	7.41	7.27	77.8	78.45	78.2

Daily Statistics - Power Dam 2016										
Date	Samples	DO (mg/L)			DO Adj (mg/L)			Temperature (F)		
		Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
7/17/2016	12	7.85	7.98	7.9	7.85	7.98	7.91	73.22	73.72	73.53
7/18/2016	24	7.86	8.03	7.96	7.88	8.07	8	72.46	73.69	73.09
7/19/2016	24	8.03	8.13	8.08	8.09	8.22	8.16	73.22	74.55	73.87
7/20/2016	24	8.02	8.17	8.08	8.14	8.28	8.2	73.87	75.63	74.71
7/21/2016	24	7.49	8.05	7.79	7.66	8.2	7.95	75.24	77.36	76.36
7/22/2016	24	7.48	7.98	7.63	7.65	8.19	7.82	76.96	78.62	77.63
7/23/2016	24	7.57	7.8	7.65	7.79	8.04	7.88	77.5	78.76	78.09
7/24/2016	24	7.41	7.6	7.52	7.66	7.86	7.77	77.79	78.44	78.08
7/25/2016	24	7.35	7.5	7.42	7.59	7.74	7.67	77.47	78.55	77.98
7/26/2016	24	7.49	7.62	7.57	7.73	7.87	7.82	77.9	78.76	78.26
7/27/2016	24	7.3	7.55	7.43	7.52	7.79	7.66	78.3	78.94	78.67
7/28/2016	24	7.41	7.61	7.5	7.63	7.83	7.72	76.86	78.19	77.35
7/29/2016	24	7.49	7.62	7.56	7.7	7.83	7.77	76.17	77.14	76.68
7/30/2016	24	7.56	7.67	7.62	7.77	7.88	7.82	76.53	77.22	76.85
7/31/2016	24	7.65	7.8	7.71	7.85	8	7.91	76.28	77.29	76.75
8/1/2016	24	7.64	7.89	7.76	7.84	8.09	7.95	76.14	77.25	76.69
8/2/2016	25	7.71	8.17	7.87	7.77	8.18	7.97	76.39	80.35	77.08
8/3/2016	24	7.68	7.99	7.83	7.69	7.99	7.83	76.96	78.62	77.78
8/4/2016	24	7.32	7.75	7.6	7.36	7.78	7.63	78.15	79.41	78.78
8/5/2016	24	7.33	7.71	7.56	7.37	7.78	7.62	77.43	78.91	78.22
8/6/2016	24	7.58	7.75	7.67	7.67	7.85	7.76	76.35	77.58	76.95
8/7/2016	24	7.48	7.71	7.59	7.59	7.84	7.72	75.63	77.54	76.53
8/8/2016	24	7.48	7.77	7.59	7.63	7.94	7.75	75.42	77.54	76.48
8/9/2016	24	7.46	7.76	7.62	7.64	7.96	7.81	75.88	77.72	76.79
8/10/2016	24	7.44	7.71	7.6	7.67	7.94	7.83	76.39	78.37	77.5
8/11/2016	24	7.17	7.51	7.38	7.43	7.75	7.63	77.86	78.58	78.23
8/12/2016	25	7.14	8.38	7.4	7.4	8.67	7.66	73.8	77.79	76.82
8/13/2016	24	7.52	7.67	7.6	7.75	7.87	7.82	75.27	75.92	75.67
8/14/2016	24	7.59	7.75	7.69	7.76	7.91	7.86	75.13	75.92	75.43
8/15/2016	24	7.7	7.99	7.82	7.83	8.1	7.95	75.2	76.64	75.8
8/16/2016	24	7.78	8.05	7.92	7.87	8.12	8.01	75.45	76.57	76.04
8/17/2016	24	7.78	7.97	7.88	7.83	8.03	7.92	75.56	77.04	76.24
8/18/2016	24	7.68	7.85	7.76	7.65	7.84	7.75	75.78	77.58	76.71
8/19/2016	24	7.52	8.2	7.7	7.33	7.99	7.6	76.42	77.43	77.02
8/20/2016	24	7.46	7.62	7.53	7.29	7.44	7.36	73.94	76.64	75.52
8/21/2016	24	7.56	8.38	7.91	7.39	8.22	7.75	71.92	73.69	72.36
8/22/2016	24	8.19	8.56	8.36	8.04	8.41	8.21	71.35	72.61	71.81
8/23/2016	24	8.26	8.61	8.42	8.13	8.49	8.29	72.03	72.86	72.45
8/24/2016	24	8.26	8.56	8.33	8.15	8.44	8.23	71.46	73.04	72.24
8/25/2016	24	8.26	8.44	8.33	8.17	8.36	8.24	71.06	71.89	71.49
8/26/2016	25	8.23	8.75	8.41	8.17	8.6	8.32	71.49	72.39	71.93
8/27/2016	24	8.33	8.57	8.43	8.18	8.42	8.28	70.74	71.71	71.36
8/28/2016	24	8.32	8.47	8.38	8.17	8.32	8.23	70.92	71.92	71.41
8/29/2016	24	8.2	8.41	8.27	8.06	8.26	8.12	71.96	73.29	72.66
8/30/2016	24	7.99	8.3	8.13	7.85	8.16	7.99	72.25	73.87	73.14
8/31/2016	24	8.02	8.14	8.07	7.88	8	7.93	71.74	73.33	72.62
9/1/2016	24	8.17	8.41	8.26	8.03	8.27	8.12	70.77	71.6	71.08
9/2/2016	25	8.2	9.15	8.33	8.06	9.11	8.25	68.54	70.7	70.31
9/3/2016	24	8.13	8.39	8.27	8.09	8.35	8.23	70.16	71.1	70.68
9/4/2016	24	8.13	8.32	8.22	8.09	8.28	8.19	70.77	71.31	71.04
9/5/2016	24	8.1	8.33	8.21	8.07	8.29	8.18	70.77	71.1	70.94
9/6/2016	24	7.98	8.22	8.1	7.95	8.19	8.07	70.99	71.82	71.42

PowerDam-2016

9/7/2016	24	8.14	8.34	8.25	8.11	8.31	8.22	70.52	71.06	70.74
9/8/2016	24	8.25	8.58	8.39	8.22	8.55	8.36	70.45	71.6	70.9
9/9/2016	24	8.38	9.06	8.63	8.35	8.9	8.53	68.11	71.42	69.78
9/10/2016	24	8.57	8.73	8.67	8.42	8.58	8.52	68.25	69.62	68.94
9/11/2016	24	8.71	8.98	8.84	8.56	8.82	8.68	66.78	68.25	67.44
9/12/2016	24	8.77	9.09	8.91	8.61	8.93	8.75	67.03	68.43	67.72
9/13/2016	24	8.87	9.07	8.97	8.71	8.91	8.8	67.03	68.25	67.52
9/14/2016	24	8.93	9.09	9.02	8.77	8.93	8.86	65.98	67.17	66.5
9/15/2016	24	8.8	9.01	8.93	8.64	8.85	8.77	66.34	67.14	66.72
9/16/2016	24	8.76	8.94	8.82	8.6	8.78	8.66	66.06	67.24	66.67
9/17/2016	24	8.83	9.05	8.93	8.67	8.88	8.77	65.77	66.85	66.18
9/18/2016	25	8.94	9.19	9.05	8.77	8.96	8.86	65.23	70.81	66.32
9/19/2016	24	8.88	9.09	8.97	8.66	8.86	8.75	65.62	66.81	66.09
9/20/2016	24	8.87	9.09	8.98	8.66	8.88	8.77	64.8	65.95	65.29
9/21/2016	24	8.89	9.01	8.93	8.69	8.81	8.73	65.52	66.24	65.9
9/22/2016	24	8.79	8.96	8.83	8.6	8.76	8.64	65.99	66.45	66
9/23/2016	24	8.68	9	8.83	8.5	8.82	8.64	65.7	66.42	66.02
9/24/2016	24	8.84	9.05	8.95	8.66	8.87	8.77	65.16	66.09	65.71
9/25/2016	24	8.83	9.04	8.92	8.67	8.86	8.75	64.8	65.84	65.4
9/26/2016	24	8.79	9	8.87	8.63	8.84	8.71	62.78	64.83	63.9
9/27/2016	24	9	9.21	9.1	8.84	9.05	8.94	61.3	62.71	61.84
9/28/2016	24	9.21	9.46	9.29	9.06	9.31	9.13	61.02	61.3	61.18
9/29/2016	24	9.41	9.63	9.51	9.26	9.48	9.37	61.02	61.45	61.21
9/30/2016	24	9.45	9.67	9.57	9.31	9.53	9.43	61.09	61.77	61.51
10/1/2016	10	9.43	9.61	9.5	9.3	9.47	9.37	61.63	61.92	61.82