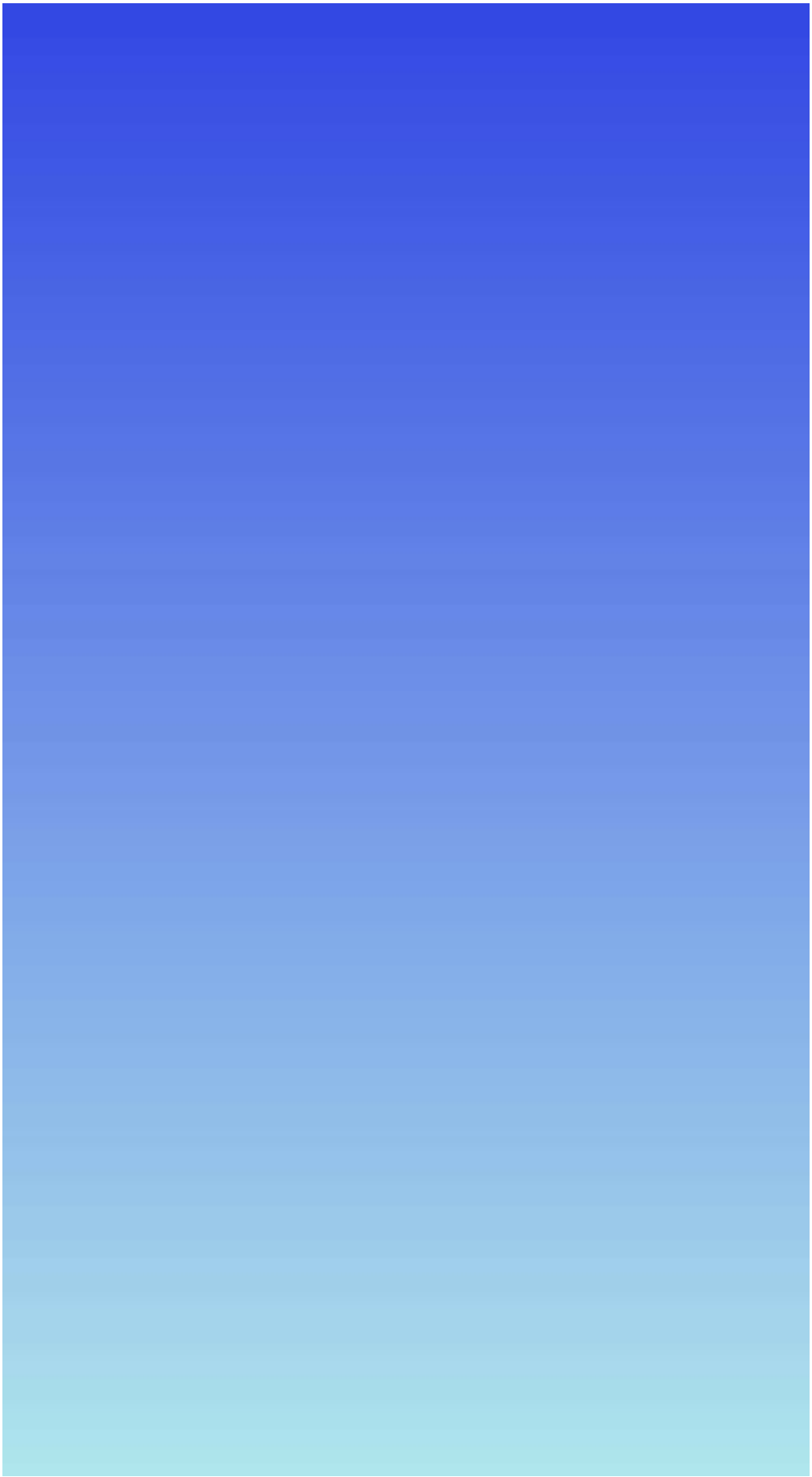

AIR SCIENCES INC.

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Baseline Meteorological, Upper-Air, and Air Quality Data Report: Resolution Copper Mining Project

October 1 – December 31, 2017

PREPARED FOR:
RESOLUTION COPPER,
A MEMBER OF THE RIO TINTO GROUP

PROJECT NO. 262-34-2
JANUARY 2018

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1.0 INTRODUCTION

This report summarizes the meteorological, upper-air (SoDAR[1]), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), ozone (O_3), and particulate matter (PM) data collected at the Resolution Copper Project near Superior, Arizona, for the fourth quarter, October 1 through December 31, 2017. Monitoring was performed in accordance with the *Resolution Copper Mining Monitoring Plan, March 2016* ("Monitoring Plan") (approved by the Pinal County Air Quality Control District [PCAQCD] on July 28, 2016).

Resolution Copper Mining LLC (RCML) has implemented a meteorological and air quality monitoring program to support several efforts during the pre-feasibility and other mine development phases: environmental assessments, impact analyses, and documents required by the National Environmental Policy Act (NEPA); meteorological and air quality data to be processed and used as input for AERMOD (American Meteorological Society/Environmental Protection Agency Regulatory Model) dispersion modeling; and air quality baseline data and AERMOD analyses in support of RCML's application to the PCAQCD for air permit(s).

1.1 Location

The Resolution Copper Project is located near Superior, Arizona. Currently there are four monitoring stations. The East Plant station is located at the main project site, east of Superior. The West Plant station is located at RCML's facilities directly north of Superior, Arizona. The Hewitt station is located approximately six miles west of Superior, Arizona. The Far West station is located 16 miles southwest of Superior, Arizona. The topography ranges from flat to hilly to mountainous.

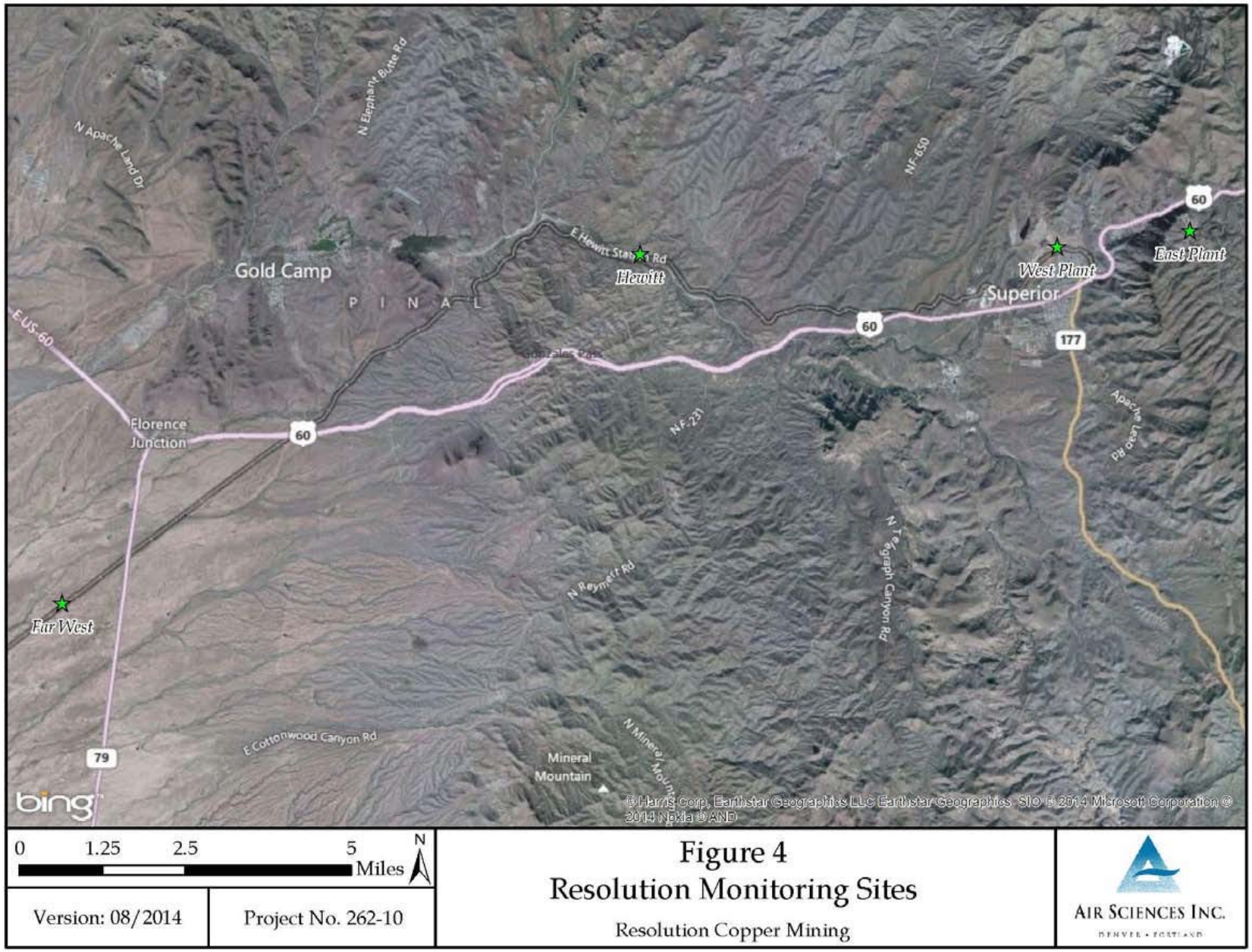
The monitoring station locations are listed by coordinates in Table 1 and are shown in Figure 1.

Table 1. Monitoring Station Locations

Station	Location	Latitude (Deg)	Longitude (Deg)	Elevation (ft)	Method of Determination
East Plant	S32 T1S R13E	33.3037	-111.0674	4,176	GPS
West Plant	S35 T1S R12E	33.2994	-111.1020	2,968	GPS
Hewitt Meteorological	S35 T1S R11E	33.2978	-111.2109	2,235	GPS
Hewitt SoDAR	S35 T1S R11E	33.2981	-111.2114	2,236	GPS
Far West	S36 T2S R9E	33.2107	-111.3769	1,754	GPS

[1] Sonic Detection and Ranging (SoDAR) systems use acoustic pulses to measure wind profiles at various sample heights above the ground.

Figure 1. Resolution Monitoring Site Locations



1.2 Monitoring Program Description

Meteorological sensors and air quality instrumentation at the East Plant, West Plant, and Far West stations are mounted on 10-meter, open-lattice towers or housed in climate-controlled, insulated shelters. Meteorological sensors at the Hewitt station are mounted on a 20-meter, open-lattice tower, and the SoDAR is housed within a weatherproof enclosure. Sensors for all four sites are listed by height in meters, from ground level, in Table 2.

Table 2. Sensors and Heights (meters)

		East Plant	West Plant	Hewitt	Far West
AERMOD Meteorological Data	Horizontal wind speed (meters per second [m/s])	10	10	10, 20	10
	Horizontal wind direction (degrees [°])	10	10	10, 20	10
	Horizontal wind direction standard deviation (sigma theta)	10	10	10, 20	10
	Air temperature (degrees Celsius [°C])	2	2	2	2
	Vertical temperature difference (ΔT, Delta T; °C)	2, 10	2, 10	2, 10	2, 10
	Relative humidity (percent [%])	2	2	2	2
	Solar radiation (watts per square meter [W/m^2])	2	2	2	3
	Barometric pressure (millimeters of mercury [mmHg])	1	1	1	1
	Precipitation (inches [in])	Ground	Ground	--	--
Upper-Air Data	Wind speed by vector component (u, v, w; m/s)	--	--	1	--
	Wind direction by sub-hourly scalar mean (direction [°])	--	--	1	--
	Standard deviation of vector component (u, v, w)	--	--	1	--
Ambient Air Data	FEM* Particulate matter less than 10 microns (PM_{10})	3	2	--	--
	FEM* Particulate matter less than 2.5 Microns ($PM_{2.5}$)	3	2	--	--
	Nitrogen dioxide (NO_2)	3	--	--	--
	Sulfur dioxide (SO_2)	3	--	--	--
	Ozone (O_3)	3	--	--	--

*Federal Equivalent Method (FEM)

1.2.1 Meteorological and Upper-Air Data

Meteorological data are recorded by digital data acquisition systems equipped with broadband modems for data transfer. The meteorological parameters are sampled on-site at one-second intervals and are digitally processed into 15-minute averages. The 15-minute averages are transmitted to Air Sciences Inc. (Air Sciences) for quality assurance checks and are used as input for the calculation of one-hour averages.

Upper-air data are computed and recorded as 15-minute averages using the SoDAR computer and internally programmed algorithms. These averages are temporarily stored on the SoDAR computer and securely transmitted every 24 hours via cellular broadband Internet to the Air Sciences server.

Appendix A lists hourly meteorological data from October 1 through December 31, 2017. In addition, Section 3.0 provides a summary and discussion of the meteorological and upper-air data during this quarter.

Meteorological and upper-air parameters are collected in support of air quality data. All sensors are audited, and data undergo quality control procedures according to the guidelines outlined in the Monitoring Plan.

1.2.2 NO_2 Data

NO_2 is measured at the East Plant using the Teledyne T200 Chemiluminescence NO_2 Analyzer, which holds an Environmental Protection Agency (EPA) equivalency designation as a Reference Method (RFNA-1194-099). This instrument is designed to measure oxides of nitrogen (NO_X) (with nitrogen dioxide, NO_2, as an indicator) at trace levels in ambient air. The instrument is operated continuously to collect hourly NO, NO_2, and NO_X concentrations. Data are transferred via FTP script every hour to the Air Sciences server and made available to authorized persons via a data web-portal. Appendix C lists hourly NO_2 data for the East Plant from October 1 through December 31, 2017.

Level 1 zero and span checks and Level 2 zero and span precision checks are conducted by the site operator biweekly or as needed. Second-party audits, adjustments, and general maintenance on the NO_2 monitor are performed according to the guidelines outlined in the Monitoring Plan.

1.2.3 SO_2 Data

SO_2 is measured at the East Plant using the Teledyne T100 UV Fluorescence SO_2 Analyzer, which holds an EPA designation as an Automated Equivalent Method (EQSA-0495-100). The instrument is operated continuously to collect hourly SO_2 concentrations. Data are transferred via FTP script every hour to the Air Sciences server and made available to authorized persons via a data web-portal. Appendix C lists hourly SO_2 data for the East Plant from October 1 through December 31, 2017.

Level 1 zero and span checks and Level 2 zero and span precision checks are conducted by the site operator biweekly or as needed. Second-party audits, adjustments, and general maintenance on the SO_2 monitor are performed according to the guidelines outlined in the Monitoring Plan.

1.2.4 O_3 Data

O_3 is measured at the East Plant using the Teledyne T400 UV Absorption O_3 Analyzer, which holds an EPA designation as an Automated Equivalent Method (EQOA-0992-087). The instrument is operated continuously to collect hourly O_3 concentrations. Data are transferred via FTP script every hour to the Air Sciences server and made available to authorized persons via a data web-portal. Appendix C lists hourly and rolling 8-hour average O_3 data for the East Plant from October 1 through December 31, 2017.

Level 1 zero and span checks and Level 2 zero and span precision checks are conducted by the site operator biweekly or as needed. Second-party audits, adjustments, and general maintenance on the O_3 monitor are performed according to the guidelines outlined in the Monitoring Plan.

1.2.5 PM Data

PM_{10} and $PM_{2.5}$ are measured at the East Plant and West Plant sites using Met One Instruments' Beta Attenuation Monitors (BAM). At each site, one BAM is configured as a $PM_{2.5}$ FEM, which holds the EPA designation EQPM-0308-170, and the other BAM is configured as a PM_{10} FEM, which holds the EPA designation EQPM-0798-122. The instruments are operated continuously to collect hourly $PM_{2.5}$ and PM_{10} concentrations. Data are transferred via FTP script every hour to the Air Sciences server and made available to authorized persons via a data web-portal. Appendix B lists hourly $PM_{2.5}$ and PM_{10} data from October 1 through December 31, 2017.

The accuracy of the monitor is assessed through monthly audits of the flow rate by using a certified flow transfer standard.

Second-party audits, adjustments, and general maintenance on the PM monitors are performed according to the guidelines outlined in the Monitoring Plan.

2.0 DATA RECOVERY RATES

Data recovery rates for all parameters at all the stations are presented in Table 3. Meteorological and upper-air data recoveries are calculated by dividing the amount of valid hourly averages by the available hourly periods in the quarter. Particulate and gaseous data recoveries are calculated by dividing the amount of valid 24-hour averages (for PM_{10} and $PM_{2.5}$), valid 24-hour maximum values (for SO_2 and NO_2), and valid daily rolling 8-hour maximum values (for O_3) by the number of days in the quarter. Particulate and gaseous 24-hour averages or maximums are valid if greater than 75 percent of the hourly readings are valid for that day (at least 18 out of 24 hours).

Table 3. Data Recovery Rates
October 1 through December 31, 2017 (percent)

	East Plant		West Plant		Hewitt		Far West		
Parameter*	**Recorded Observations**	**Recovery Rate**	**Recorded Observations**	**Recovery Rate**	**Recorded Observations**	**Recovery Rate**	**Recorded Observations**	**Recovery Rate**	**Minimum Required Recovery Rate**
Meteorological									
Wind speed (10 m)	2,207	99.9	2,207	99.9	0	0.0**	2,208	100	90
Wind direction (10 m)	2,207	99.9	2,207	99.9	0	0.0**	2,208	100	90
Wind speed (20 m)	--	--	--	--	2,208	100	--	--	90
Wind direction (20 m)	--	--	--	--	2,208	100	--	--	90
Temperature (2 m)	2,208	100	2,208	100	2,208	100	2,208	100	90
Delta temperature	2,192	99.3	2,182	98.8	2,208	100	2,208	100	90
Relative humidity	2,208	100	2,208	100	2,208	100	2,208	100	90
Barometric pressure	2,208	100	2,208	100	2,208	100	2,208	100	90
Precipitation	2,208	100	2,208	100	--	--	--	--	90
Solar radiation	2,208	100	2,208	100	2,208	100	2,208	100	90
Upper-Air (SoDAR)									
Wind speed (20-190 m)	--	--	--	--	2,163-2,165	97.9-98.0	--	--	90
Wind direction (20-190 m)	--	--	--	--	2,163-2,165	97.9-98.0	--	--	90
Gaseous									
NO_2	69	75.0	--	--	--	--	--	--	75
O_3	66	71.7**	--	--	--	--	--	--	75
SO_2	62	67.4**	--	--	--	--	--	--	75
Particulate									
PM_{10}	86	93.5	82	89.1	--	--	--	--	75
$PM_{2.5}$	86	93.5	90	97.8	--	--	--	--	75

* Meteorological and upper-air parameters are observed hourly (2,208 hours in this period).
NO_2, O_3, SO_2, and PM parameters are observed every 24 hours (92 days in this period).
** Entries in red indicate recovery rates that do not meet the minimum requirement.

2.1 Data Loss

2.1.1 Meteorological Data Loss

2.1.1.1 East Plant Meteorological Data Loss

East Plant wind speed, wind direction, and delta temperature data that were invalidated during the fourth quarter of 2017 were due to zero winds or facility power outages.

2.1.1.2 West Plant Meteorological Data Loss

West Plant wind speed, wind direction, and delta temperature data that were invalidated during the fourth quarter of 2017 were due to zero winds or facility power outages.

2.1.1.3 Hewitt Station Meteorological and Upper-Air Data Loss

The Hewitt Station's 10-meter wind monitor was relocated to the 20-meter level to maintain wind data collection at 20 meters during the fourth quarter of 2017. No 10-meter wind data for the fourth quarter of 2017 were collected.

Invalid and/or missing Hewitt Station tower/SoDAR data during the fourth quarter of 2017 were due to routine inspections, audit activities, or atmospheric disturbances, such as precipitation or surface noise detected and invalidated by the SoDAR system.

2.1.1.4 Far West Meteorological Data Loss

No Far West meteorological data were invalidated during the fourth quarter of 2017.

2.1.2 NO_2 Data Loss

NO_2 data were invalidated due to Level 1 and Level 2 zero/span checks and weekly services during the fourth quarter of 2017. Additional NO_2 data were invalidated or missing due to quarterly audit activities, facility power outages, shelter HVAC failure, or data quality assurance and control procedures.

2.1.3 SO_2 Data Loss

SO_2 data were invalidated due to Level 1 and Level 2 zero/span checks and weekly services during the fourth quarter of 2017. Additional SO_2 data were invalidated or missing due to quarterly audit activities, shelter HVAC failure, and facility power outages. The majority of the invalid SO_2 data was a result of data quality assurance and control procedures.

2.1.4 O_3 Data Loss

O_3 data were invalidated due to Level 1 and Level 2 zero/span checks and weekly services during the fourth quarter of 2017. Additional O_3 data were invalidated or missing due to quarterly audit activities, shelter HVAC failure, and facility power outages. The majority of the invalid O_3 data was a result of data quality assurance and control procedures.

2.1.5 PM Data Loss

2.1.5.1 East Plant PM Data Loss

The 24-hour average PM_{10} and $PM_{2.5}$ data were invalidated or missing at the East Plant station during the fourth quarter of 2017 due to shelter HVAC failure and facility power outages. Invalid hourly PM_{10} and $PM_{2.5}$ data at the East Plant station were due to monthly flow verifications, regularly scheduled maintenance, audit activates, power outages, or internal instrument errors.

2.1.5.2 West Plant PM Data Loss

The 24-hour average PM_{10} and $PM_{2.5}$ data were invalidated or missing at the West Plant station during the fourth quarter of 2017 due to instrumentation errors and facility power outages. Invalid hourly PM_{10} and $PM_{2.5}$ data at the West Plant station were due to monthly flow verifications, regularly scheduled maintenance, audit activates, power outages, or internal instrument errors.

2.2 Quality Control

Quality assurance, equipment calibration, and audit procedures were conducted in accordance with the following documents:

- Quality Assurance Handbook for Air Pollution Measurement Systems, Volume II: Ambient Air Quality Monitoring Program (EPA-454/B-17-001, January 2017)
- Quality Assurance Handbook for Air Pollution Measurement Systems, Volume IV: Meteorological Measurements (EPA-454/B-08-002, March 2008)
- Transfer Standards for the Calibration of Ambient Air Monitoring Analyzers for Ozone – Technical Assistance Document (EPA-454/B-13-004, October 2013)
- Code of Federal Regulations (40 CFR Parts 50 and 58)
- Ambient Monitoring Guidelines for Prevention of Significant Deterioration (PSD) (EPA-450/4-87-007, May 1987)
- Meteorological Monitoring Guidance for Regulatory Modeling Applications (EPA-454/R-99-005, February 2000)

Audits and/or calibrations of meteorological instrumentation are required every six months.

Audits and/or calibrations of the particulate air quality monitors and gaseous analyzers are required every three months.

Site checks on the meteorological sensors, SoDAR, particulate instruments, and gaseous analyzers continue to be conducted on a weekly basis. Copies of the flow verifications and site check forms can be found in Appendix D through Appendix G.

3.0 METEOROLOGICAL AND UPPER-AIR DATA SUMMARY AND DISCUSSION

3.1 Meteorological and Upper-Air Data Summary

Meteorological and upper-air data from October 1 through December 31, 2017, have been compiled and summarized in graphical and tabular form. Meteorological and upper-air data summary sheets (Figure 2 through Figure 5) are comprised of the following:

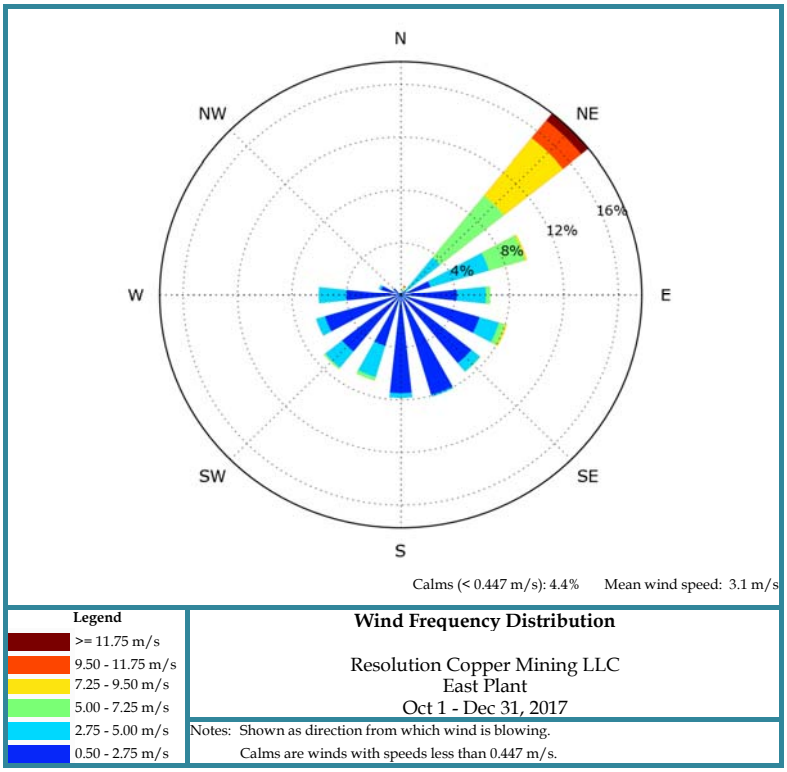
Wind Rose – The Wind Rose graphically depicts the percentage of winds that come from each of the 16 directions for the reported period. Wind speeds are divided into six subcategories ranging from less than 0.5 m/s (the measurement threshold of the instrument) to greater than 11.75 m/s.

Wind Frequency Table – The Wind Frequency Table shows the percentage of occurrence of winds for each of the 16 directions that occur in each of the six Wind Speed Class Intervals.

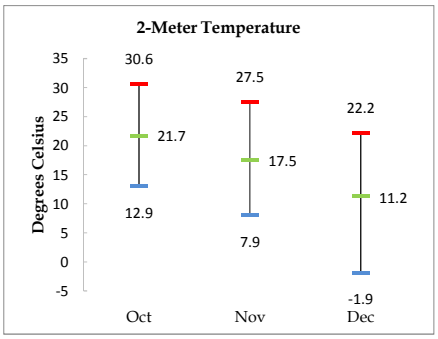
Meteorology Charts – The Meteorology Charts graphically summarize recorded hourly meteorological parameters by month. Chart types include stock-ticker charts (with high, low, and average hourly values for each month) and bar charts.

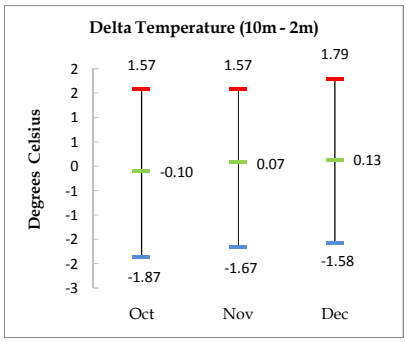
Figure 2: East Plant Meteorological Data Summary

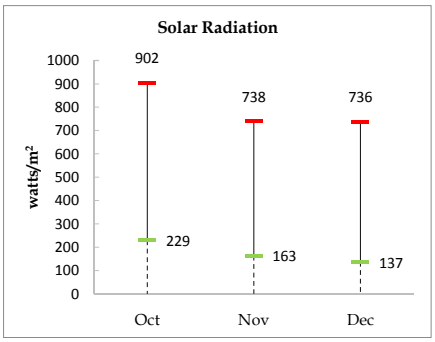
Meteorological Data: Oct 1 - Dec 31, 2017

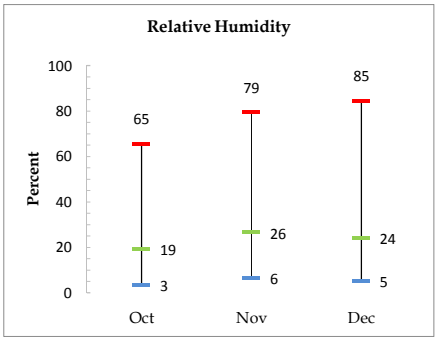


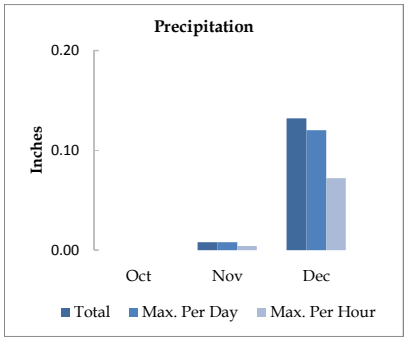
Direction	Speed Class Intervals (m/s) (percent of occurrence) 0.5 <1.5	1.5 <3	3 <5	5 <7	7 <10	>=10	All	Mean Speed
N	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.9
NNE	0.1	0.2	0.1	0.0	0.2	0.1	0.8	5.1
NE	0.2	0.5	3.0	5.5	6.8	1.8	17.7	7.0
ENE	0.5	2.6	3.6	2.6	0.3	0.0	9.7	4.0
E	1.0	3.5	1.7	0.3	0.0	0.0	6.6	2.7
ESE	2.8	3.6	1.1	0.5	0.1	0.0	8.1	2.3
SE	4.8	2.0	0.7	0.0	0.0	0.0	7.5	1.5
SSE	7.0	1.0	0.1	0.0	0.0	0.0	8.1	1.0
S	5.9	1.7	0.3	0.0	0.0	0.0	7.8	1.2
SSW	1.9	2.3	2.3	0.3	0.0	0.0	6.8	2.5
SW	1.4	5.0	0.7	0.1	0.0	0.0	7.3	2.3
WSW	1.6	4.3	0.5	0.0	0.0	0.0	6.5	2.0
W	1.1	3.4	1.5	0.0	0.0	0.0	6.0	2.4
WNW	0.6	0.9	0.1	0.0	0.0	0.0	1.7	1.6
NW	0.3	0.5	0.0	0.0	0.0	0.0	0.7	1.7
NNW	0.1	0.1	0.0	0.0	0.0	0.0	0.2	1.6
All	29.6	31.5	15.9	9.4	7.3	1.9	95.6	3.1











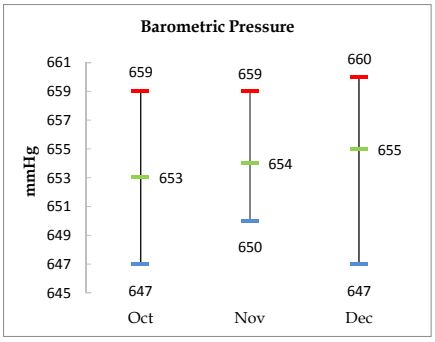
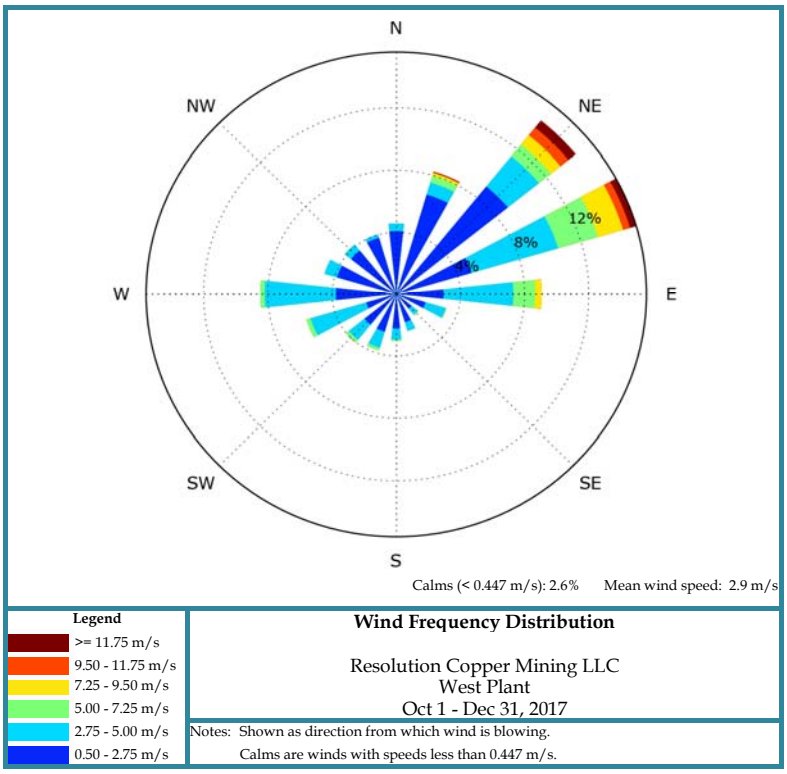
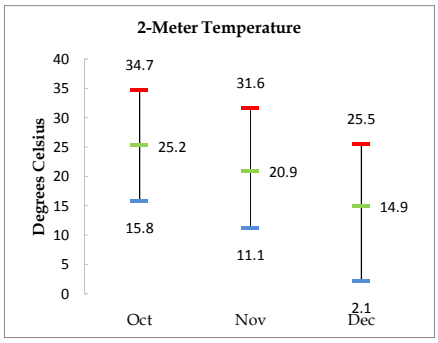


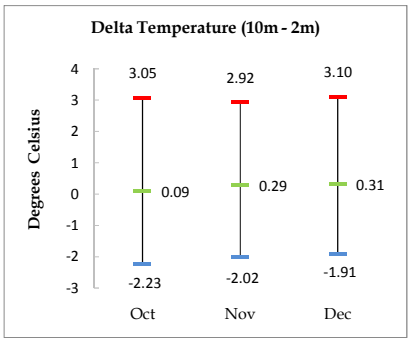
Figure 3: West Plant Meteorological Data Summary

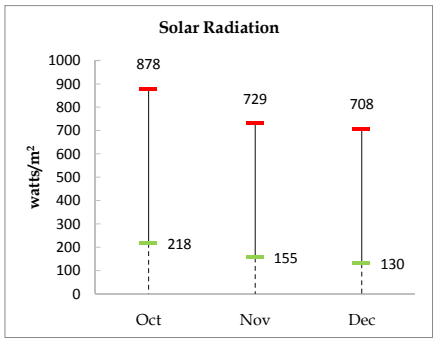
Meteorological Data: Oct 1 - Dec 31, 2017

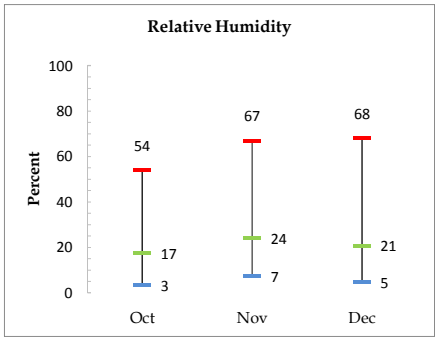


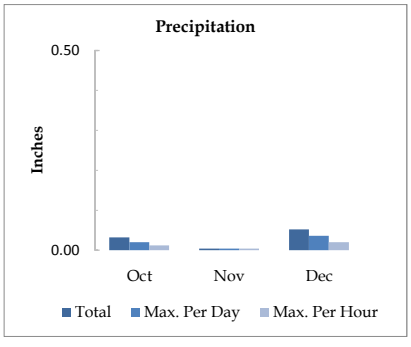
	Speed Class Intervals (m/s) (percent of occurrence)							Mean
Direction	0.5 <1.5	1.5 <3	3 <5	5 <7	7 <10	>=10	All	Speed
N	3.6	0.5	0.5	0.0	0.0	0.0	4.6	1.3
NNE	4.7	2.1	0.7	0.4	0.2	0.1	8.2	2.1
NE	4.6	4.9	1.9	0.8	1.0	1.1	14.4	3.4
ENE	2.0	3.4	5.1	2.4	2.0	0.6	15.6	4.4
E	1.0	2.4	3.9	1.3	0.5	0.0	9.1	3.7
ESE	0.8	1.4	1.0	0.0	0.0	0.0	3.3	2.5
SE	0.1	1.4	0.2	0.0	0.0	0.0	1.8	2.4
SSE	0.7	1.3	0.5	0.0	0.0	0.0	2.5	2.1
S	1.2	1.1	0.6	0.1	0.0	0.0	3.0	2.1
SSW	0.9	2.0	0.7	0.2	0.0	0.0	3.8	2.4
SW	0.8	1.9	1.1	0.2	0.0	0.0	4.0	2.6
WSW	0.3	2.0	3.2	0.3	0.0	0.0	5.8	3.2
W	0.7	4.0	3.5	0.3	0.0	0.0	8.5	2.9
WNW	1.6	2.7	0.4	0.0	0.0	0.0	4.7	1.8
NW	2.7	1.2	0.2	0.0	0.0	0.0	4.1	1.5
NNW	3.4	0.5	0.1	0.0	0.0	0.0	4.0	1.1
All	29.1	33.1	23.5	6.0	3.8	1.8	97.4	2.9











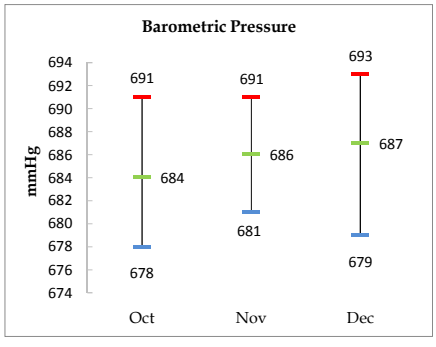
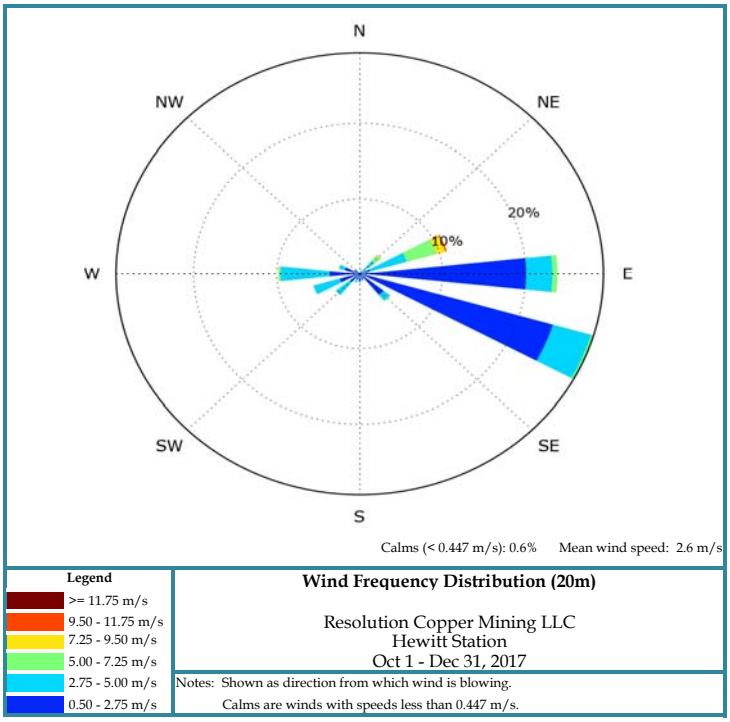


Figure 4: Hewitt Station Meteorological Data Summary

Meteorological Data: Oct 1 - Dec 31, 2017



20 Meters

Direction	Speed Class Intervals (m/s) (percent of occurrence) 0.5 <1.5	1.5 <3	3 <5	5 <7	7 <10	>=10	All	Mean Speed
N	0.2	0.0	0.0	0.0	0.0	0.0	0.2	1.5
NNE	0.2	0.1	0.3	0.0	0.0	0.0	0.6	2.5
NE	0.3	0.3	1.7	1.0	0.1	0.0	3.3	4.3
ENE	0.6	0.9	4.3	3.6	1.3	0.1	10.9	4.9
E	8.8	11.6	2.8	0.6	0.0	0.0	23.8	1.9
ESE	6.9	18.4	3.7	0.3	0.0	0.0	29.3	2.1
SE	1.8	2.3	0.6	0.0	0.0	0.0	4.7	2.0
SSE	0.4	0.6	0.0	0.0	0.0	0.0	1.0	1.8
S	0.7	0.4	0.1	0.0	0.0	0.0	1.2	1.6
SSW	0.3	0.7	0.3	0.0	0.0	0.0	1.3	2.4
SW	0.5	1.3	1.8	0.0	0.0	0.0	3.7	2.9
WSW	0.6	2.5	2.6	0.0	0.0	0.0	5.8	2.8
W	0.6	4.2	4.8	0.3	0.0	0.0	9.8	3.0
WNW	0.5	1.5	0.5	0.0	0.0	0.0	2.6	2.4
NW	0.4	0.4	0.0	0.0	0.0	0.0	0.8	1.5
NNW	0.1	0.1	0.0	0.0	0.0	0.0	0.2	2.1
All	22.9	45.3	23.8	5.8	1.4	0.1	99.4	2.6

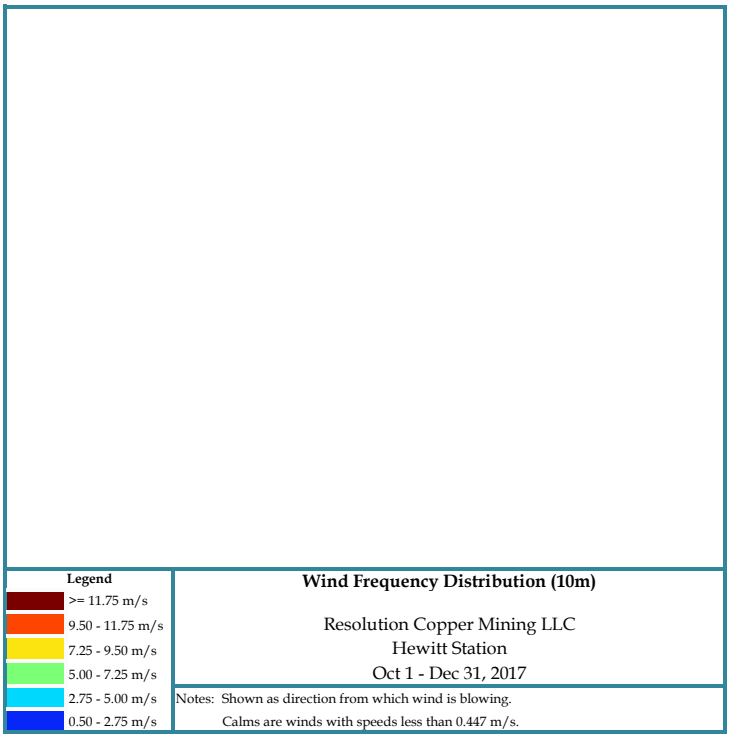


Figure 4: Hewitt Station Meteorological Data Summary (Continued)

Meteorological Data: Oct 1 - Dec 31, 2017

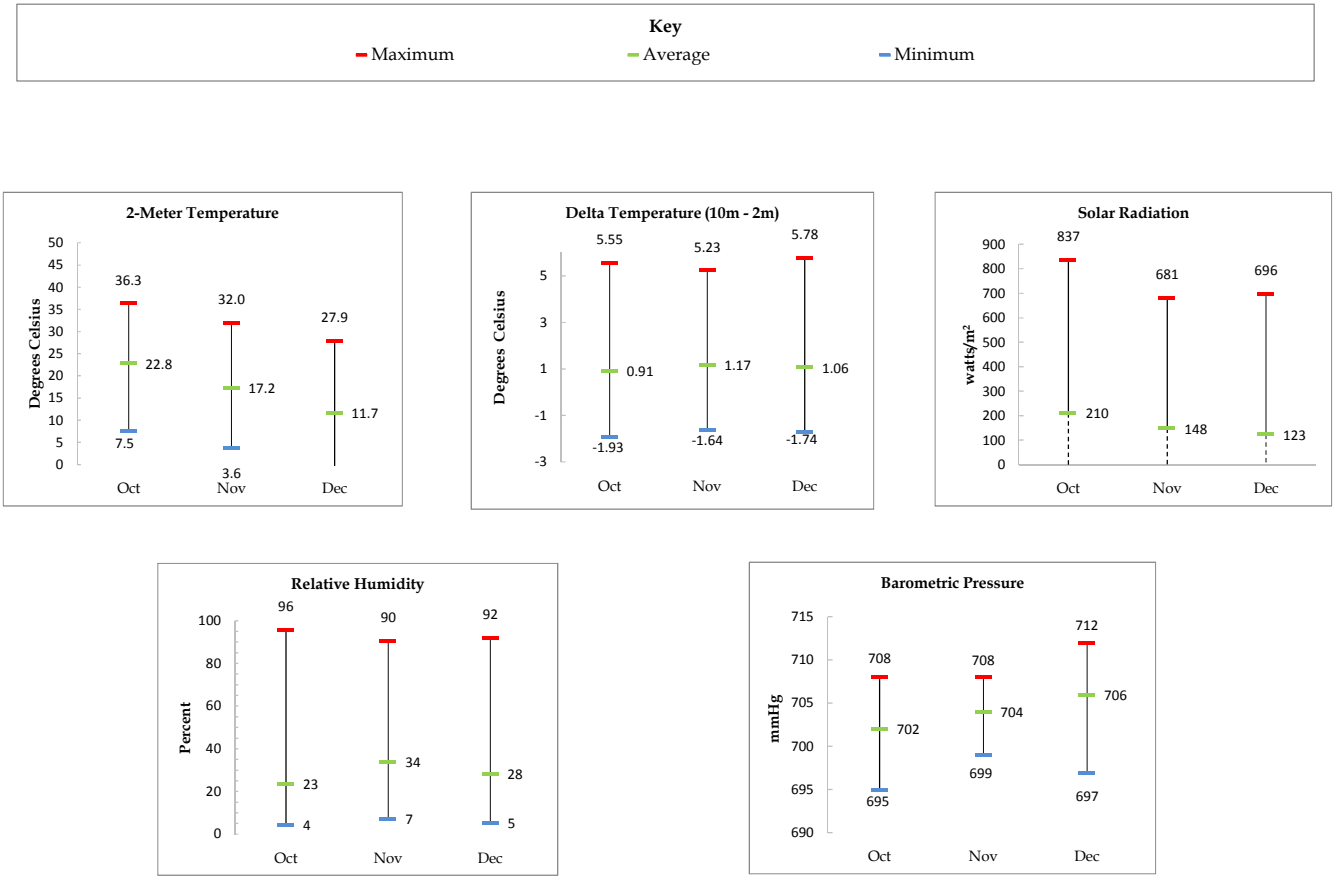
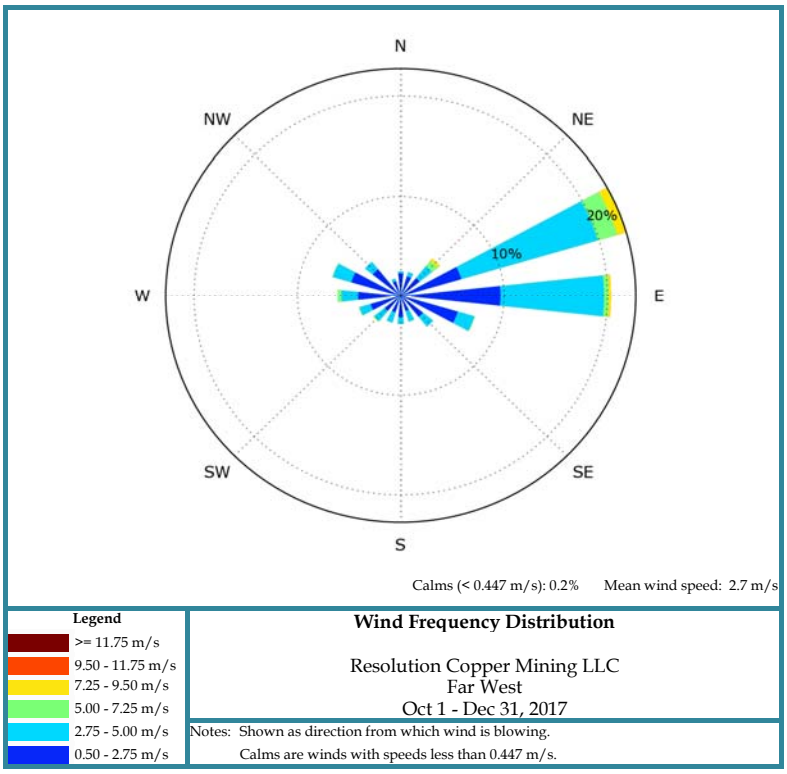
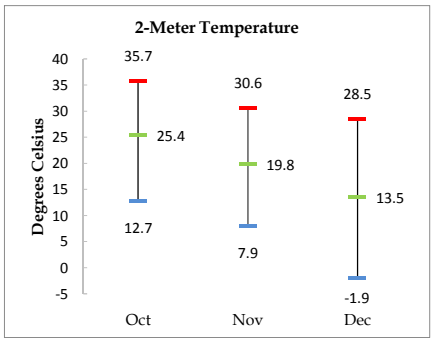


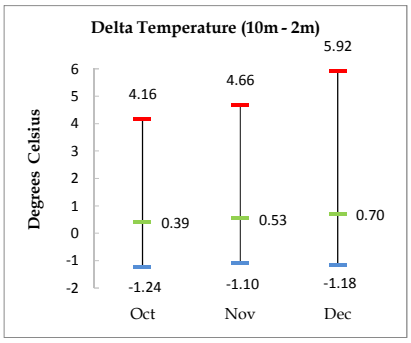
Figure 5: Far West Meteorological Data Summary

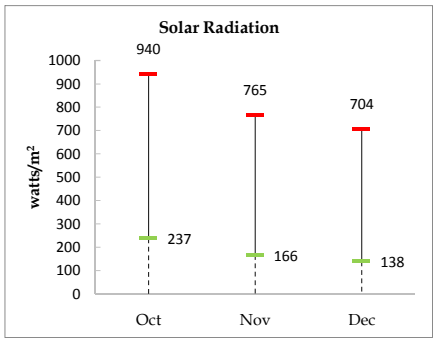
Meteorological Data: Oct 1 - Dec 31, 2017

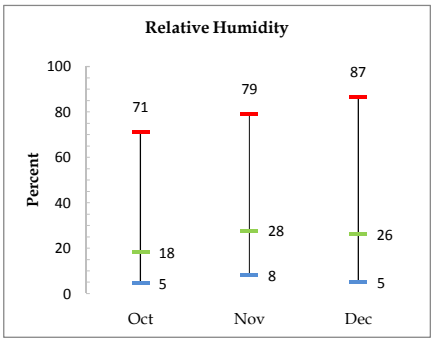


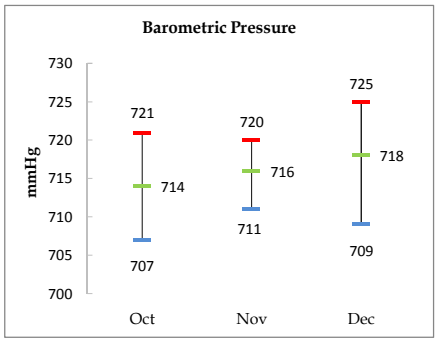
Direction	Speed Class Intervals (m/s) (percent of occurrence) 0.5 <1.5	1.5 <3	3 <5	5 <7	7 <10	>=10	All	Mean Speed
N	0.7	1.7	0.1	0.0	0.0	0.0	2.5	1.9
NNE	0.6	1.6	0.3	0.0	0.0	0.0	2.5	2.0
NE	0.4	2.0	1.5	0.7	0.3	0.0	4.8	3.4
ENE	0.7	8.3	10.9	1.9	1.0	0.0	22.7	3.5
E	1.0	11.8	6.9	0.5	0.2	0.0	20.3	2.9
ESE	1.3	4.9	1.2	0.0	0.0	0.0	7.5	2.3
SE	0.8	2.1	1.2	0.0	0.0	0.0	4.0	2.4
SSE	0.5	1.3	1.0	0.0	0.0	0.0	2.8	2.5
S	0.8	1.6	0.5	0.0	0.0	0.0	2.9	2.2
SSW	0.6	1.4	0.9	0.0	0.0	0.0	2.9	2.4
SW	0.9	1.5	1.0	0.1	0.0	0.0	3.4	2.5
WSW	0.9	2.5	0.8	0.0	0.0	0.0	4.2	2.3
W	1.2	3.4	1.2	0.4	0.0	0.0	6.1	2.5
WNW	1.0	4.4	1.4	0.0	0.0	0.0	6.9	2.3
NW	0.6	3.3	0.5	0.0	0.0	0.0	4.4	2.2
NNW	0.4	1.4	0.0	0.0	0.0	0.0	1.9	2.0
All	12.3	53.0	29.4	3.7	1.4	0.0	99.8	2.7











3.2 Meteorological and Upper-Air Data Discussion

The meteorological data collected at the Resolution Copper Project met all data recovery objectives for the fourth quarter of 2017, except for 10-meter wind speed data from the Hewitt Station.

On July 12, 2017, the Hewitt Station's 10-meter wind monitor was relocated to the 20-meter height to ensure wind data collection at 20 meters. Wind data at 10 meters were not collected at Hewitt Station during the fourth quarter of 2017. A refurbished wind monitor was deployed on the Hewitt Station tower at the 10-meter level during audit activities in January 2018.

3.2.1 Upper-Air and Anemometer Data Comparison

To quantify the reasonableness of the measured upper-air data, the SoDAR 20-meter wind data were compared to the adjacent tower's 20-meter wind data.

Bivariate scatter plots with linear regressions compare the wind speed, zonal components (u), and meridional components (v). Figure 6 through Figure 8 show a linear relation between the SoDAR's 20-meter upper-air data and the tower's 20-meter anemometer data, with a few outliers.

Further data analysis and/or approval for acceptance of the upper-air SoDAR data collected for the fourth quarter of 2017 may be required.

Figure 6. Wind Speed Comparison
October 1 – December 31, 2017

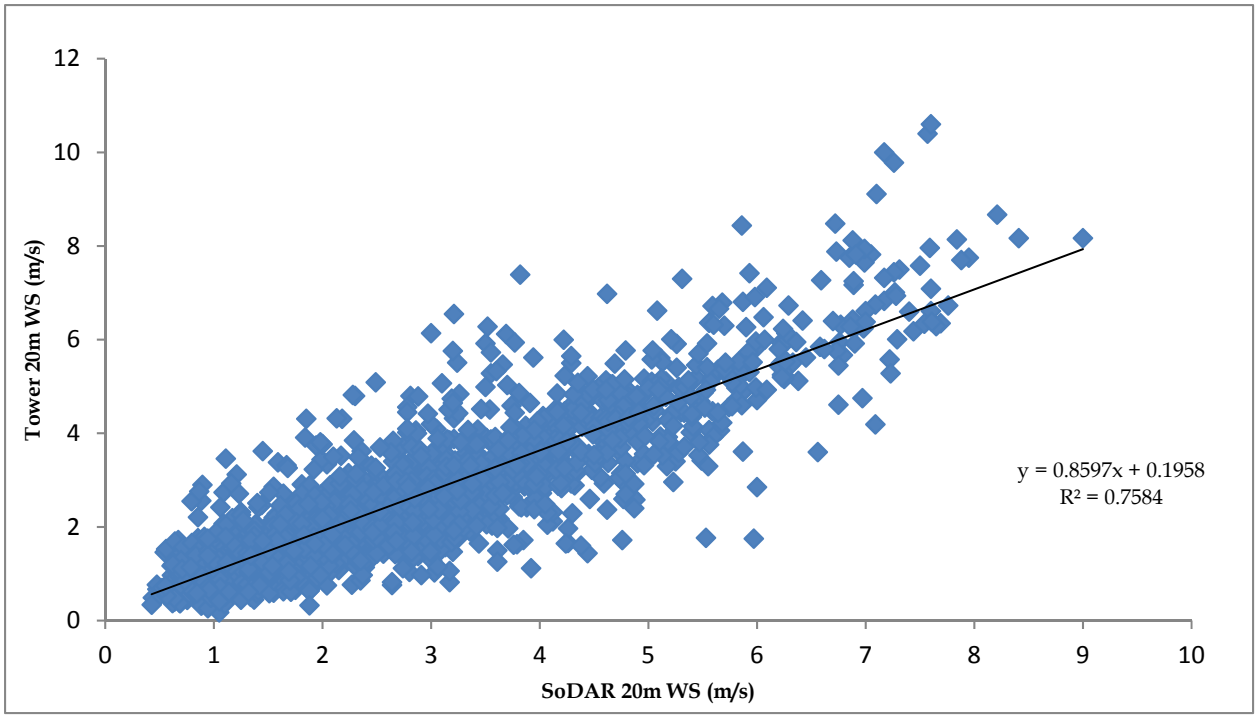


Figure 7. Zonal Component (u) Comparison
October 1 – December 31, 2017

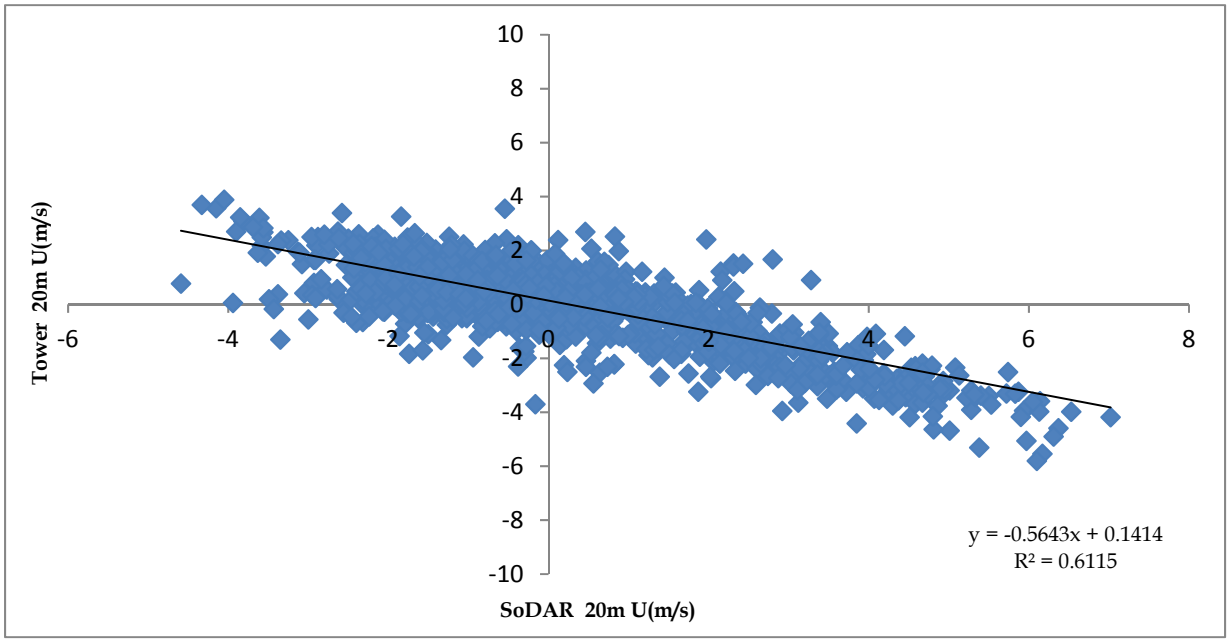
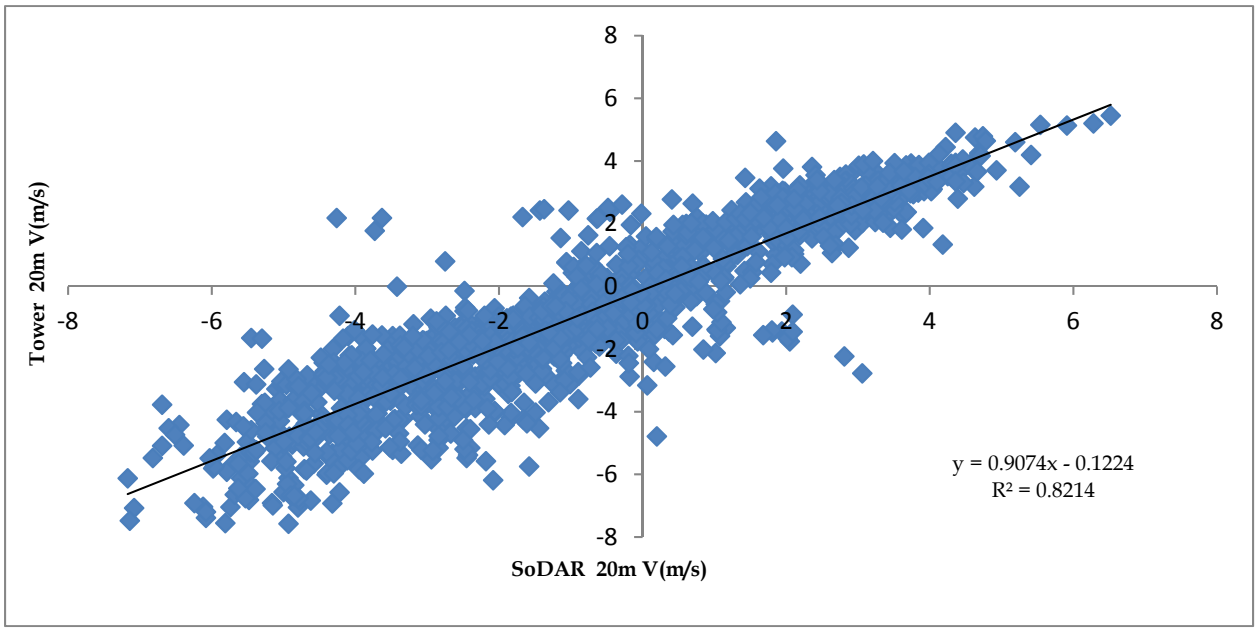


Figure 8. Meridional Component (v) Comparison
October 1 – December 31, 2017

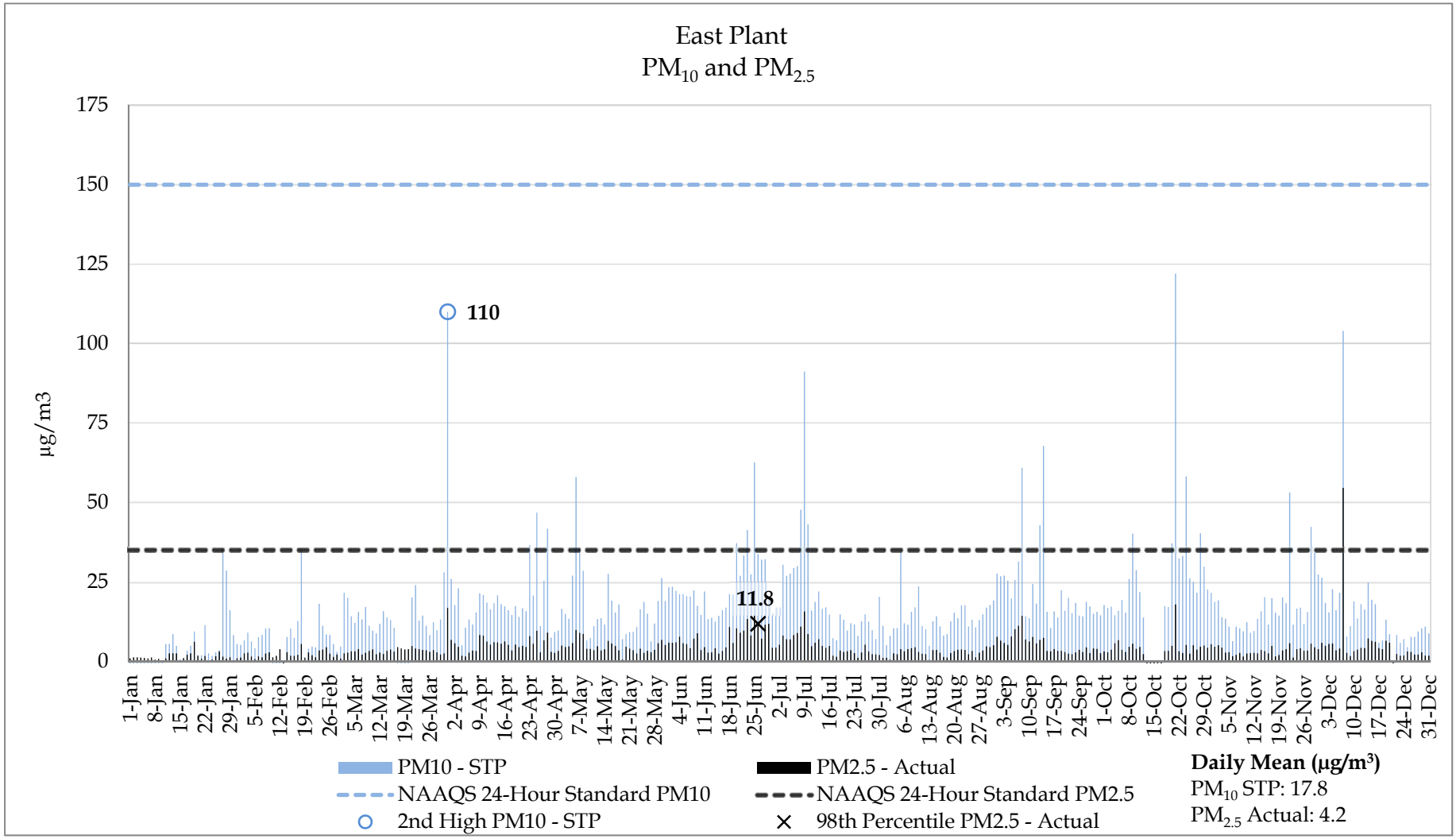


4.0 PM DATA SUMMARY AND DISCUSSION

4.1 East Plant PM Data Summary

Figure 9 shows the PM_{10} and $PM_{2.5}$ data collected at the East Plant site for all four quarters of 2017 and compares the data to the PM_{10} and $PM_{2.5}$ National Ambient Air Quality Standards (See Section 4.3 for PM NAAQS details). The second-high 24-hour average for PM_{10} (110 µg/m³) and the 98th percentile for $PM_{2.5}$ (11.8 µg/m³) are labeled. The daily mean value for PM_{10} Standard Temperature Pressure (STP) was 17.8 micrograms per cubic meter (µg/m³), and the daily mean value for $PM_{2.5}$ Actual was 4.2 µg/m³.

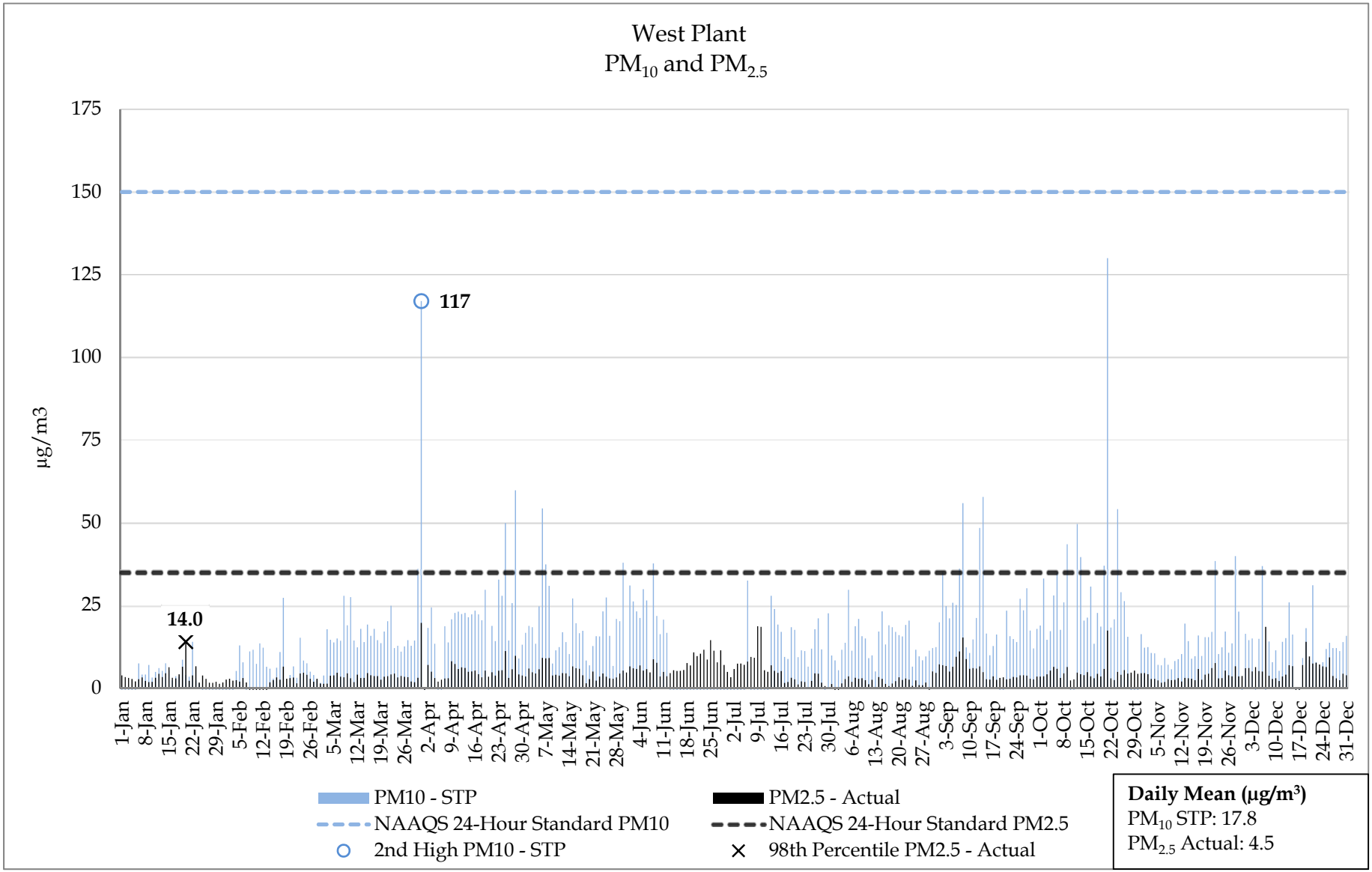
Figure 9. East Plant Particulate Data: All Four Quarters of 2017



4.2 West Plant PM Data Summary

Figure 10 shows the PM_{10} and $PM_{2.5}$ data collected at the West Plant site for all four quarters of 2017 and compares the data to the PM_{10} and $PM_{2.5}$ NAAQS. The second-high 24-hour average for PM_{10} (117 µg/m³) and the 98th percentile for $PM_{2.5}$ (14.0 µg/m³) are labeled. The daily mean value for PM_{10} STP was 17.8 µg/m³, and the daily mean value for $PM_{2.5}$ Actual was 4.5 µg/m³.

Figure 10. West Plant Particulate Data: All Four Quarters of 2017



4.3 PM Data Discussion

4.3.1 PM_{10}

The NAAQS for PM_{10} is 150 $\mu g/m^3$ for a 24-hour average concentration. The standard is met when the expected number of days per calendar year with a 24-hour average concentration above 150 $\mu g/m^3$ is equal to or less than one (second-high value).

As shown in Figure 9 and Figure 10, the second-high PM_{10} concentrations recorded at the East Plant and West Plant sites are 110 $\mu g/m^3$ and 117 $\mu g/m^3$, respectively. The second-high PM_{10} values at the East Plant and West Plant sites are both below the NAAQS of 150 $\mu g/m^3$.

The Far West site's PM_{10} monitoring activities were discontinued at the end of the second quarter of 2017.

4.3.2 $PM_{2.5}$

The annual primary and secondary $PM_{2.5}$ standards are met when the annual arithmetic mean concentration is less than or equal to 12.0 $\mu g/m^3$. The 24-hour primary and secondary $PM_{2.5}$ standards are met when the 98th percentile 24-hour concentration is less than or equal to 35 $\mu g/m^3$.

The $PM_{2.5}$ arithmetic mean concentrations for the East Plant and West Plant sites are 4.2 $\mu g/m^3$ and 4.5 $\mu g/m^3$, respectively. The $PM_{2.5}$ arithmetic mean values at the East Plant and West Plant sites are below the NAAQS of 12 $\mu g/m^3$.

Figure 9 and Figure 10 also show the 98^{th} percentile $PM_{2.5}$ concentrations at the East Plant and West Plant sites, which were 11.8 $\mu g/m^3$, and 14.0 $\mu g/m^3$, respectively. The 98^{th} percentiles of the East Plant and West Plant sites' 24-hour $PM_{2.5}$ concentrations are also below the NAAQS of 35 $\mu g/m^3$.

The Far West site's $PM_{2.5}$ monitoring activities were discontinued at the end of the second quarter of 2017.

5.0 NO_2 DATA SUMMARY AND DISCUSSION

5.1 NO_2 Data Summary

Figure 11 and Figure 12 present the NO_2 hourly concentrations for each calendar day at the East Plant site for all four quarters of 2017. Figure 11 shows the daily maximum hourly NO_2 concentrations compared to the one-hour NO_2 NAAQS (100 ppb). Figure 12 shows the mean hourly NO_2 concentrations compared with the annual NO_2 NAAQS (53 ppb).

Figure 11. NO_2 Maximum Hourly Concentration for Each Calendar Day: All Four Quarters of 2017

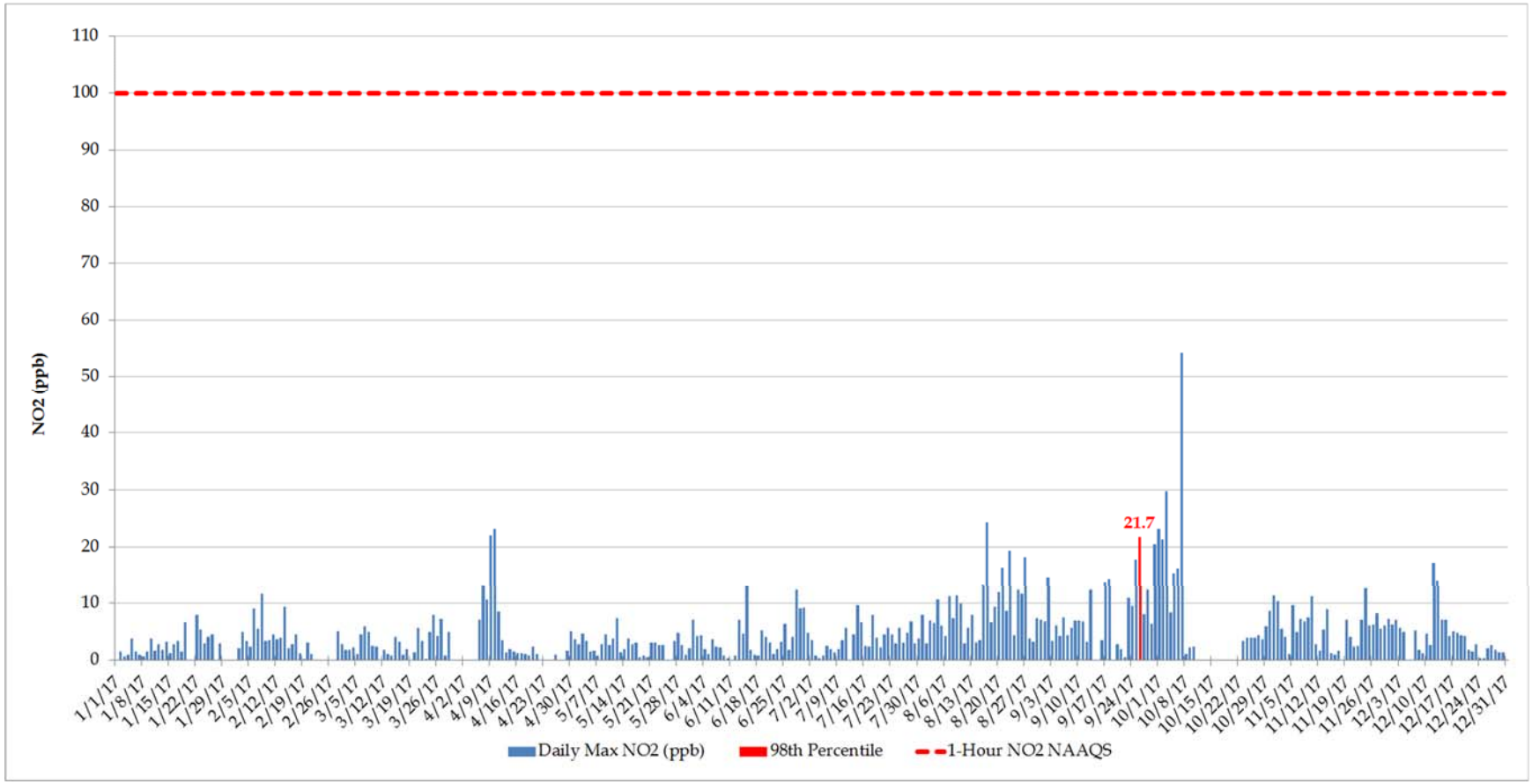
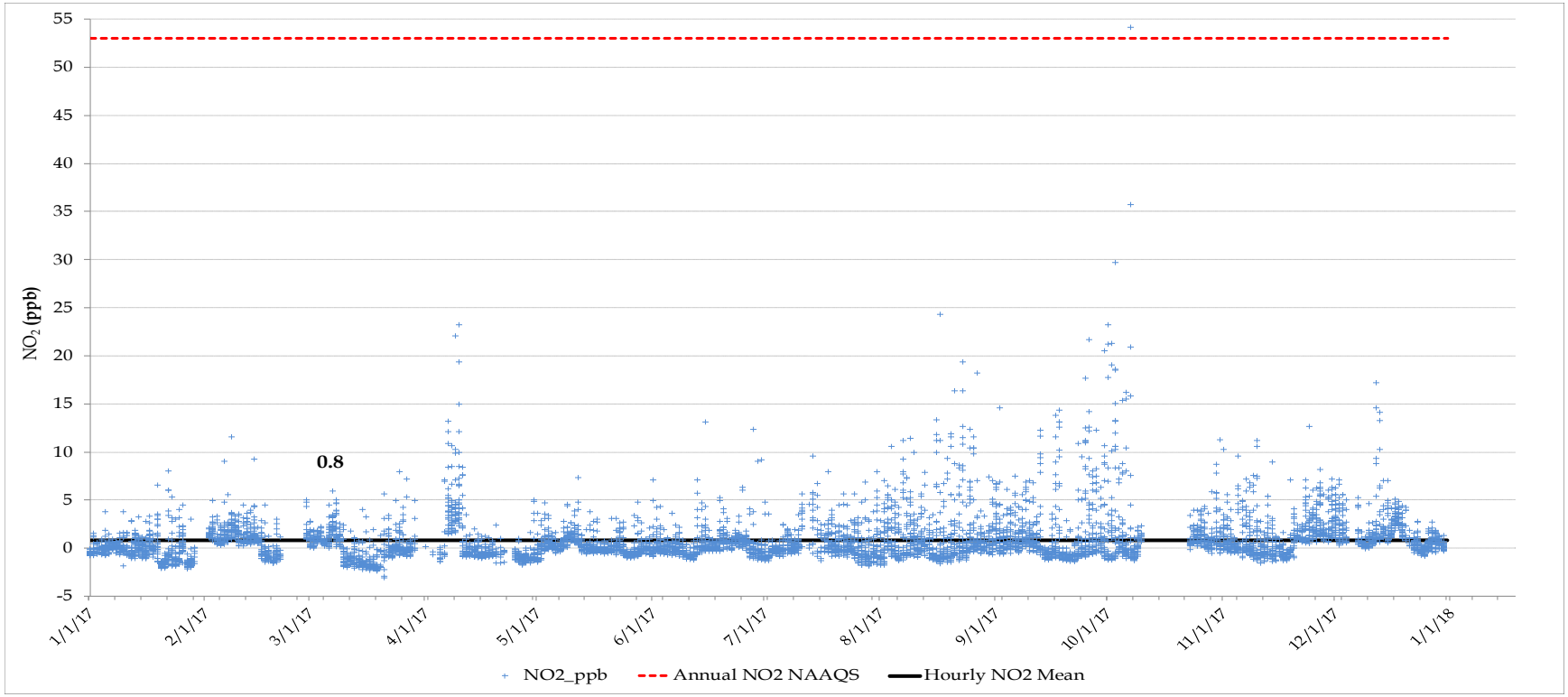


Figure 12. NO_2 Mean Hourly Concentrations: All Four Quarters of 2017



5.2 NO_2 Data Discussion

The level of the 1-hour NAAQS for oxides of nitrogen is 100 ppb, measured in the ambient air as NO_2. The 1-hour NAAQS is met when the three-year average of the annual 98th percentile of the daily maximum 1-hour average concentration is less than or equal to 100 ppb.

The level of the annual NAAQS for oxides of nitrogen is 53 ppb, measured in the ambient air as NO_2. The annual NAAQS is met when the annual average concentration in a calendar year is less than or equal to 53 ppb.

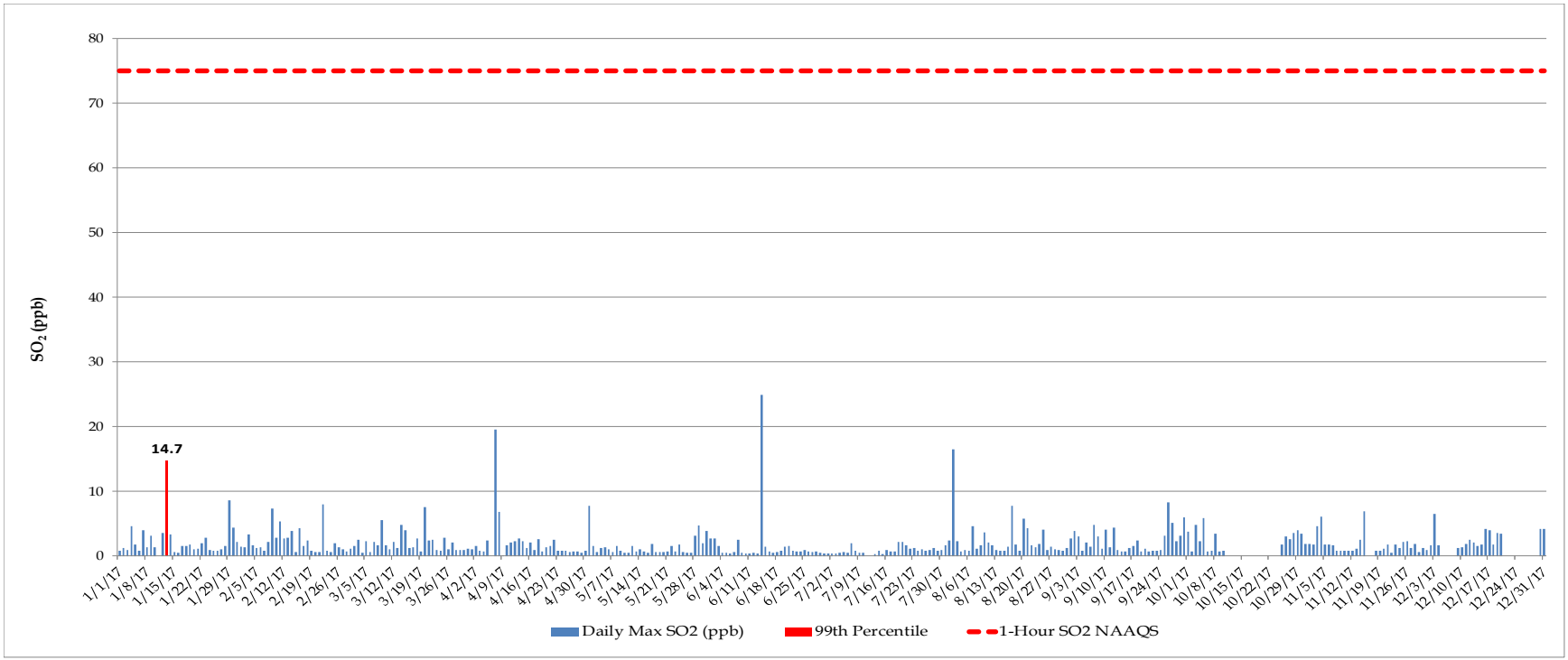
As shown in Figure 11, the 1-hour average NO_2 concentrations for the first four quarters of 2017 are less than the NAAQS 1-hour primary standard of 100. As shown in Figure 12, the hourly NO_2 average is 0.8 ppb for the first four quarters of 2017, which is below the annual NO_2 NAAQS of 53 ppb. Slightly negative concentrations are typical when the analyzer is operating near the zero-calibration set-point.

6.0 SO_2 DATA SUMMARY AND DISCUSSION

6.1 SO_2 Data Summary

Figure 13 presents the maximum hourly SO_2 concentrations for each calendar day collected at the East Plant site for all four quarters of 2017, and it shows the 99th percentile (14.7 ppb) compared to the one-hour SO_2 NAAQS (75 ppb).

Figure 13. SO_2 Maximum Hourly Concentration for Each Calendar Day: All Four Quarters of 2017



6.2 SO_2 Data Discussion

The level of the primary 1-hour NAAQS for oxides of sulfur is 75 ppb measured in the ambient air as sulfur dioxide (SO_2). The 1-hour primary standard is met at an ambient air quality monitoring site when the three-year average of the annual (99th percentile) daily maximum 1-hour average concentration is less than or equal to 75 ppb.

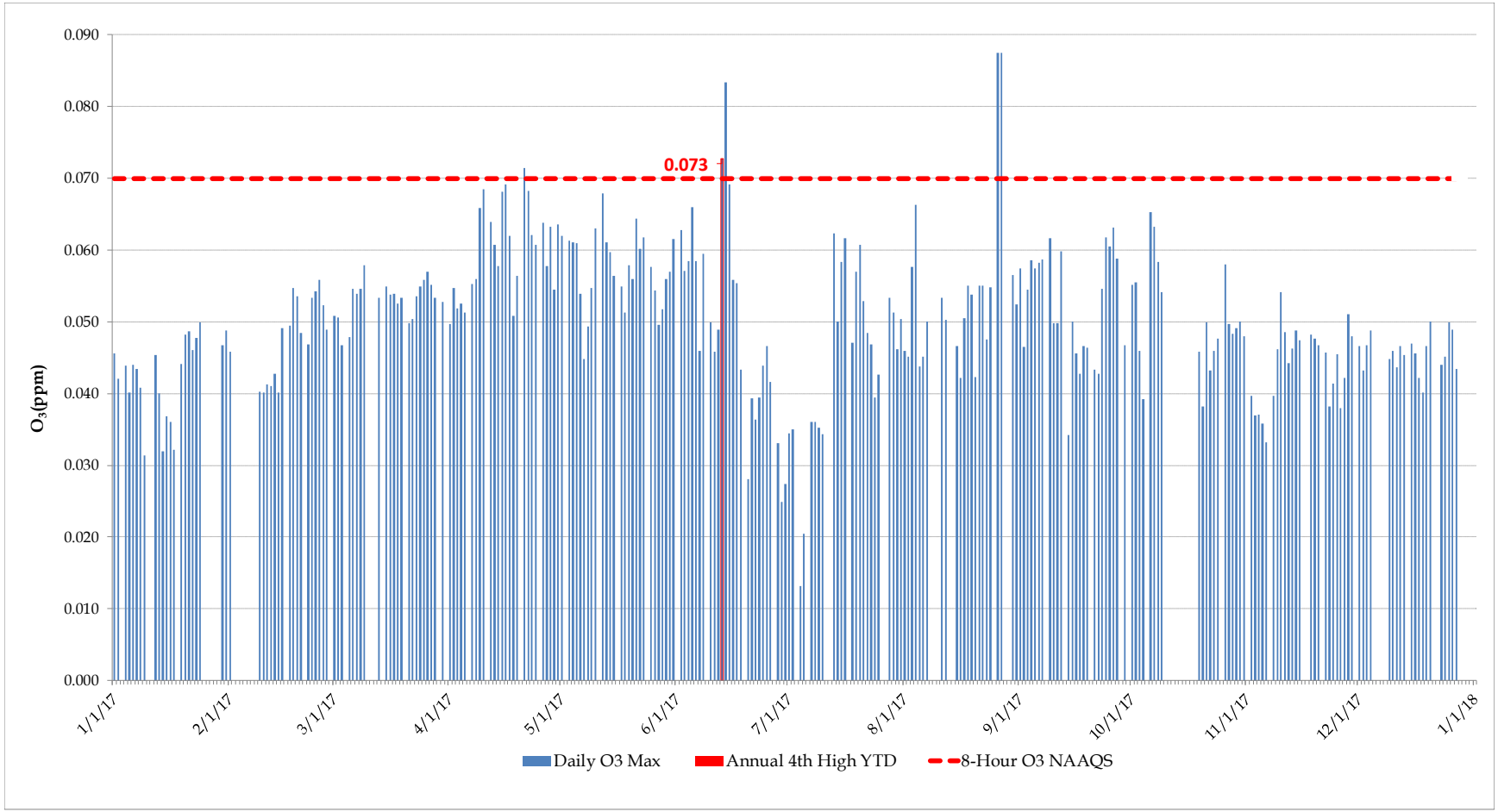
As shown in Figure 13, the 99th percentile 1-hour maximum concentration for all four quarters of 2017 is 14.7 ppb, which is below the 1-hour SO_2 NAAQS of 75 ppb.

7.0 O_3 DATA SUMMARY AND DISCUSSION

7.1 O_3 Data Summary

Figure 14 presents the daily rolling 8-hour maximum O_3 data collected at the East Plant site for all four quarters of 2017, and it shows the fourth-highest rolling 8-hour average (0.073 parts per million [ppm]) compared to the eight-hour O_3 NAAQS (0.070 ppm).

Figure 14. O_3 Daily Rolling 8-Hour Maximum: All Four Quarters of 2017



7.2 O_3 Data Discussion

The level of the primary and secondary 8-hour NAAQS for O_3 was changed from 0.075 ppm to 0.07 ppm in the EPA's final ruling signed on October 1, 2015. The updated NAAQS of 0.070 ppm was effective December 28, 2015.

The 8-hour primary and secondary standard is met at an ambient air quality monitoring site when the three-year average of the annual fourth-highest daily maximum 8-hour average O_3 concentration is less than or equal to 0.070 ppm.

Figure 14 shows that the averaged fourth-high maximum recorded at the East Plant is 0.073 ppm. This concentration is above the NAAQS 8-hour O_3 standard of 0.070 ppm. Parts of Pinal County and the adjacent Maricopa County have been designated as non-attainment areas for 8-hour O_3 by the Arizona Department of Environmental Quality (ADEQ).

Appendix A – Meteorological Data: Hourly

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, BP_mmHg"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	651	651	651	651	651	651	651	651	651	651	651	651	650	650	649	649	648	648	648	648	648	648	648	648	650	651	648
2	648	648	648	647	647	648	648	648	649	649	649	649	649	648	648	648	648	648	648	649	649	649	649	650	648	650	647
3	650	650	650	650	650	651	651	652	652	653	653	652	652	652	652	651	652	652	652	652	652	653	653	653	652	653	650
4	653	653	653	653	653	654	654	654	655	655	655	655	654	654	654	653	653	653	653	653	653	654	654	653	654	655	653
5	653	653	653	653	653	653	653	653	654	654	653	653	653	652	652	652	652	652	652	652	652	652	652	652	653	654	652
6	652	652	652	652	652	653	653	653	654	654	654	654	653	653	652	652	652	652	652	652	652	652	652	652	653	654	652
7	652	652	652	652	651	651	652	652	652	652	652	652	651	651	650	650	650	650	650	650	650	650	650	650	651	652	650
8	649	649	649	649	649	649	649	650	650	650	650	650	649	649	648	648	648	647	647	648	648	648	648	649	649	650	647
9	649	649	649	649	649	650	651	651	652	652	652	652	652	651	652	652	652	652	652	653	653	654	654	654	651	654	649
10	654	654	654	654	654	654	655	655	655	655	655	655	655	654	654	653	653	653	653	653	653	653	653	653	654	655	653
11	653	653	653	652	652	653	653	653	654	654	654	654	653	652	652	652	652	652	652	652	652	652	652	652	653	654	652
12	652	652	652	652	652	652	653	653	654	654	654	654	653	653	653	653	653	652	652	653	653	653	653	653	653	654	652
13	654	654	654	653	654	654	654	654	655	655	655	655	654	654	653	653	653	653	653	653	653	654	654	654	654	655	653
14	654	654	654	654	654	654	654	655	655	656	656	656	655	655	655	655	654	655	655	655	655	656	656	656	655	656	654
15	656	656	656	656	656	656	657	657	658	658	658	658	658	657	657	657	657	657	657	657	657	658	658	658	657	658	656
16	658	658	658	658	658	658	658	658	659	659	658	658	657	657	656	656	656	656	656	656	657	657	657	657	657	659	656
17	657	656	656	656	656	656	656	657	657	657	657	656	656	655	655	655	654	654	654	654	655	655	655	654	656	657	654
18	654	654	654	654	654	654	654	654	655	655	655	655	654	654	653	653	653	653	653	653	653	653	653	653	654	655	653
19	652	652	652	652	652	652	652	652	653	653	653	652	652	651	651	651	650	650	650	650	651	651	651	651	651	653	650
20	650	651	650	650	650	650	651	651	651	651	651	651	650	650	649	649	649	649	649	649	649	650	650	650	650	651	649
21	650	650	650	651	651	651	652	652	653	654	654	654	654	654	653	654	654	654	655	655	655	656	656	656	653	656	650
22	656	656	656	657	657	657	657	658	658	659	659	659	658	658	658	658	657	657	657	658	658	658	658	658	658	659	656
23	657	657	657	657	657	657	658	658	659	659	658	658	658	657	657	657	657	657	657	657	658	657	657	657	657	659	657
24	657	657	657	657	657	657	657	658	658	658	658	658	657	657	657	657	656	656	656	657	657	657	657	657	657	658	656
25	657	656	656	656	656	656	656	656	656	656	656	656	655	654	654	654	653	653	653	653	653	653	653	653	655	657	653
26	653	653	652	652	652	653	653	653	653	653	653	653	652	652	652	652	652	652	652	652	652	652	652	652	652	653	652
27	652	652	652	652	652	652	653	653	654	654	654	653	653	652	652	652	652	652	652	652	652	652	652	652	652	654	652
28	652	652	652	652	652	652	652	653	653	653	653	653	652	652	652	651	651	652	652	652	652	652	652	652	652	653	651
29	652	652	652	652	652	652	652	653	653	653	653	653	652	652	651	651	651	651	651	651	651	651	651	651	652	653	651
30	651	651	651	651	651	651	651	651	651	651	651	651	650	650	650	649	649	649	649	649	650	650	650	650	650	651	649
31	650	651	650	650	651	651	651	652	652	652	652	652	652	651	651	651	651	651	651	651	651	652	652	652	651	652	650
Avg	653	653	653	653	653	653	653	654	654	654	654	654	653	653	653	652	652	652	652	653	653	653	653	653	653	--	--
Max	658	658	658	658	658	658	658	658	659	659	659	659	658	658	658	658	657	657	657	658	658	658	658	658	--	659	--
Min	648	648	648	647	647	648	648	648	649	649	649	649	649	648	648	648	648	647	647	648	648	648	648	648	--	--	647

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, BP_mmHg"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	652	652	652	652	652	652	652	652	653	653	653	653	652	651	651	651	651	651	651	652	652	652	653	653	652	653	651
2	653	653	653	653	653	653	653	654	654	655	655	655	654	654	654	654	654	654	654	654	655	655	655	655	654	655	653
3	655	655	655	655	655	655	655	656	656	656	656	656	656	655	655	655	655	654	654	654	654	654	654	654	655	656	654
4	654	654	653	653	653	653	653	654	654	654	654	654	653	653	652	652	652	652	652	652	653	653	653	653	653	654	652
5	653	653	653	653	653	653	653	654	654	655	655	655	654	654	653	653	653	653	654	654	654	654	654	654	654	655	653
6	654	654	654	654	654	654	654	655	656	656	656	656	655	655	655	654	654	655	655	655	655	655	656	655	655	656	654
7	655	655	655	655	655	655	655	656	656	656	656	656	655	655	655	655	655	655	655	655	655	655	655	655	655	656	655
8	655	655	655	654	654	654	655	655	655	655	655	655	655	654	654	654	654	654	654	654	654	654	654	654	654	655	654
9	654	654	653	654	654	654	654	654	654	655	655	654	654	653	653	653	653	653	653	653	653	653	653	653	654	655	653
10	653	653	653	652	652	653	653	653	654	654	653	653	653	652	652	652	652	652	652	652	652	653	653	653	653	654	652
11	653	653	652	652	653	653	653	654	654	654	655	654	654	653	653	653	653	653	654	654	654	654	654	654	654	655	652
12	654	654	654	654	655	655	655	655	656	656	656	656	655	655	655	655	655	655	655	655	655	656	656	656	655	656	654
13	655	655	655	655	655	655	656	656	657	657	657	657	656	656	656	656	656	656	656	656	656	656	656	656	656	657	655
14	655	655	655	655	655	655	655	656	656	656	656	656	655	654	654	654	654	654	654	654	654	654	654	654	655	656	654
15	654	654	654	654	653	654	654	654	654	655	655	655	654	654	654	654	654	654	654	654	654	654	654	654	654	655	653
16	654	654	654	653	653	653	653	654	654	655	655	655	654	654	653	653	653	653	653	653	654	654	654	654	654	655	653
17	654	653	653	653	653	653	653	654	654	654	654	654	654	654	653	653	653	653	653	653	653	654	654	654	654	654	653
18	654	654	654	655	655	655	655	656	656	657	657	657	656	656	655	655	655	655	655	655	655	656	655	655	655	657	654
19	655	655	655	655	654	654	655	655	655	656	655	655	654	653	653	653	653	653	653	653	654	654	654	654	654	656	653
20	654	654	654	654	654	654	654	654	655	655	655	655	654	654	654	654	653	653	654	654	654	654	654	654	654	655	653
21	654	654	654	654	654	655	655	655	656	656	657	656	656	655	655	655	655	655	656	656	656	656	656	656	655	657	654
22	656	656	656	657	657	657	657	658	658	659	659	658	658	657	657	657	657	657	657	657	657	657	657	657	657	659	656
23	657	657	657	657	657	656	656	657	657	657	657	656	656	655	654	654	654	654	654	654	654	654	654	654	655	657	654
24	654	654	654	653	653	653	653	653	654	654	654	654	653	653	653	653	652	652	653	653	653	653	654	654	653	654	652
25	654	654	654	654	655	655	655	655	656	657	657	656	656	655	655	655	655	656	656	656	656	656	657	657	656	657	654
26	657	657	657	657	656	656	657	657	657	658	658	657	656	656	655	655	655	654	654	654	654	654	654	654	656	658	654
27	654	653	653	653	653	653	653	653	653	653	653	652	651	651	650	650	650	650	650	650	650	650	651	651	652	654	650
28	650	651	651	651	651	652	652	652	653	654	654	654	654	653	653	653	653	653	654	654	654	654	654	655	653	655	650
29	655	654	655	655	655	655	655	655	656	656	656	656	655	655	655	655	655	655	655	656	656	656	656	656	655	656	654
30	656	656	655	655	655	655	656	656	656	657	657	657	656	655	655	654	655	655	655	655	655	655	655	654	655	657	654
Avg	654	654	654	654	654	654	654	655	655	655	655	655	655	654	654	654	654	654	654	654	654	654	654	654	654	--	--
Max	657	657	657	657	657	657	657	658	658	659	659	658	658	657	657	657	657	657	657	657	657	657	657	657	--	659	--
Min	650	651	651	651	651	652	652	652	653	653	653	652	651	651	650	650	650	650	650	650	650	650	651	651	--	--	650

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, BP_mmHg"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	654	654	654	654	654	654	654	654	655	655	655	655	654	654	654	654	654	654	654	654	654	654	655	654	654	655	654
2	654	654	654	654	654	654	654	654	655	655	655	655	655	654	654	654	654	654	654	654	654	654	654	654	654	655	654
3	654	654	654	654	653	653	653	654	654	654	654	654	653	652	652	652	651	651	651	651	651	651	651	651	653	654	651
4	651	651	651	651	651	651	651	651	652	652	652	652	651	651	651	651	651	651	651	651	651	652	652	652	651	652	651
5	652	652	653	653	653	653	653	654	654	655	655	654	654	654	654	654	654	654	654	654	655	655	655	655	656	654	656	652
6	655	655	655	655	655	655	655	655	656	656	656	655	655	654	654	654	654	654	655	655	655	655	655	655	655	656	654
7	655	655	655	655	656	656	656	657	657	657	657	657	657	657	657	657	657	658	658	659	659	659	659	659	657	659	655
8	659	659	659	659	659	659	659	659	660	660	660	659	659	658	658	658	658	658	658	659	659	659	659	659	659	660	658
9	659	659	659	659	659	659	659	660	660	660	660	660	659	659	659	658	658	658	658	659	659	659	659	659	659	660	658
10	659	659	659	659	658	659	659	659	660	660	660	659	659	658	658	658	657	658	658	658	658	658	658	658	658	660	657
11	658	658	658	658	658	658	658	659	659	659	659	659	658	658	658	658	658	658	658	658	658	658	658	658	658	659	658
12	658	658	659	658	658	658	658	658	659	659	659	658	657	657	656	656	656	656	656	656	655	655	655	655	657	659	655
13	654	654	654	654	654	654	654	654	654	655	655	654	653	653	652	652	652	652	652	652	652	652	652	651	653	655	651
14	651	651	651	651	651	651	651	651	652	652	652	652	651	651	651	651	652	652	653	653	654	654	655	655	652	655	651
15	655	656	656	656	656	656	656	656	657	657	657	657	656	656	655	655	654	654	654	654	653	653	653	653	655	657	653
16	652	652	651	650	650	649	649	648	648	648	649	648	648	647	647	647	647	647	648	648	648	648	648	648	649	652	647
17	648	648	648	648	649	649	649	649	650	650	650	650	650	650	650	650	650	651	651	651	652	652	652	652	650	652	648
18	652	652	652	652	652	653	653	654	654	655	655	655	654	654	654	654	654	655	655	655	655	655	655	655	654	655	652
19	655	655	655	655	655	655	656	656	656	657	657	657	656	656	656	656	656	656	656	656	656	656	656	656	656	657	655
20	656	656	655	655	655	655	655	655	655	656	656	655	654	653	653	652	652	652	651	651	651	651	650	650	654	656	650
21	650	649	649	649	649	649	649	650	650	650	650	650	650	649	650	650	650	651	651	652	652	652	653	653	650	653	649
22	653	653	654	654	654	654	654	655	656	657	657	657	657	657	657	656	656	656	657	657	657	657	657	657	656	657	653
23	657	657	657	657	657	657	657	657	657	658	658	657	657	656	656	656	656	656	656	656	656	656	656	657	657	658	656
24	656	656	656	656	656	656	656	657	657	657	657	657	656	656	656	655	655	656	655	656	656	656	656	656	656	657	655
25	655	655	655	655	655	655	655	655	655	656	656	656	655	655	654	654	654	654	654	655	654	655	655	655	655	656	654
26	655	654	655	655	654	654	655	655	655	656	656	656	655	655	655	655	655	655	655	656	656	656	656	656	655	656	654
27	656	656	656	656	656	656	656	657	657	657	658	657	657	656	656	656	656	656	656	656	656	657	657	657	656	658	656
28	657	656	656	656	656	656	657	657	657	658	658	658	657	656	656	656	656	656	656	656	657	657	657	657	657	658	656
29	657	657	657	657	656	657	657	657	657	658	658	658	657	657	656	656	656	656	656	656	657	656	656	657	656	657	658	656
30	656	656	656	656	656	656	656	656	656	657	657	656	655	655	654	654	654	654	654	654	654	654	655	655	655	657	654
31	655	655	654	654	654	654	654	655	655	655	656	655	655	655	655	655	655	655	655	655	655	656	656	656	655	656	654
Avg	655	655	655	655	655	655	655	655	655	656	656	656	655	655	654	654	654	654	655	655	655	655	655	655	655	--	--
Max	659	659	659	659	659	659	659	660	660	660	660	660	659	659	659	658	658	658	658	659	659	659	659	659	--	660	--
Min	648	648	648	648	649	649	649	648	648	648	649	648	648	647	647	647	647	647	648	648	648	648	648	648	--	--	647

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, DeltaTemp_C"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.92	0.96	0.92	1.18	0.93	1.09	0.66	-0.25	-0.54	-1.09	-1.15	-1.20	-1.12	-1.21	-0.95	-0.94	-0.55	-0.10	0.19	0.26	0.27	0.23	0.25	0.20	-0.04	1.18	-1.21
2	0.29	0.29	0.28	0.33	0.38	0.41	0.35	-0.04	-0.54	-0.85	-0.89	-1.06	-1.31	-1.34	-1.08	-0.93	-0.57	-0.16	0.14	0.14	0.37	0.67	0.85	0.62	-0.15	0.85	-1.34
3	0.43	0.93	0.51	0.57	0.67	0.45	0.69	-0.60	-0.89	-1.26	-1.51	-1.56	-1.58	-1.43	-1.35	-1.12	-0.71	-0.07	0.30	0.28	0.34	0.48	0.68	0.93	-0.20	0.93	-1.58
4	0.60	0.54	0.44	0.72	0.69	0.93	0.69	-0.24	-0.89	-1.37	-1.40	-1.66	-1.60	-1.46	-1.17	-0.91	-0.66	-0.14	0.05	0.23	0.54	0.54	0.62	0.61	-0.18	0.93	-1.66
5	0.66	0.53	0.43	0.51	0.64	0.59	0.34	-0.54	-0.71	-1.25	-0.97	-1.01	-1.10	-1.22	-1.07	-0.96	-0.62	-0.15	0.06	0.15	0.34	0.32	0.31	0.46	-0.18	0.66	-1.25
6	0.94	0.72	0.62	0.90	0.56	0.94	0.58	-0.25	-0.35	-0.84	-0.90	-1.02	-1.08	-1.10	-1.06	-0.91	-0.62	-0.07	0.10	0.11	0.42	0.40	0.90	0.71	-0.01	0.94	-1.10
7	0.44	0.56	0.50	0.44	0.35	0.36	0.29	-0.21	-0.77	-1.26	-1.58	-1.86	-1.79	-1.55	-1.26	-1.19	-0.71	-0.06	0.09	0.21	0.69	1.21	0.97	0.92	-0.22	1.21	-1.86
8	0.87	0.75	0.85	0.91	0.82	0.79	0.64	-0.08	-0.76	-1.13	-0.95	-1.21	-1.16	-1.31	-1.11	-0.91	-0.49	0.01	0.33	0.41	0.54	0.23	0.21	0.30	-0.06	0.91	-1.31
9	0.44	0.38	0.27	0.31	0.40	0.42	0.44	-0.09	-0.40	-0.66	-1.23	-1.44	-1.39	-1.28	-1.00	-1.05	-0.87	0.02	0.28	0.19	0.12	0.12	0.13	0.13	-0.24	0.44	-1.44
10	0.13	0.14	0.17	0.18	0.18	0.17	0.14	-0.34	-0.73	-1.16	-1.46	-1.36	-1.32	-1.34	-1.16	-0.90	-0.54	0.00	0.33	0.36	0.34	0.30	0.26	0.26	-0.31	0.36	-1.46
11	0.27	0.24	0.20	0.24	0.18	0.17	0.11	-0.29	-0.71	-1.23	-1.41	-1.51	-1.66	-1.32	-1.21	-0.75	-0.52	0.01	0.36	0.56	0.55	0.85	1.00	0.89	-0.21	1.00	-1.66
12	0.75	0.79	0.73	0.54	0.67	0.73	1.06	0.42	-0.66	-1.00	-1.11	-1.24	-1.08	-1.17	-0.93	-0.89	-0.56	-0.04	0.25	0.78	0.96	0.94	0.85	0.85	0.07	1.06	-1.24
13	0.89	0.84	1.57	0.75	0.60	0.95	0.96	0.09	-0.73	-1.21	-1.37	-1.09	-1.05	-1.28	-1.02	-0.77	-0.52	0.04	0.32	0.76	0.88	0.41	0.56	0.36	0.04	1.57	-1.37
14	0.78	0.96	0.80	0.71	0.70	0.62	0.47	0.05	-0.58	-0.62	-0.85	-1.23	-1.10	-1.17	-1.05	-0.89	-0.59	-0.01	0.07	0.17	0.69	0.92	0.91	0.49	0.01	0.96	-1.23
15	0.36	0.34	0.32	0.28	0.28	0.30	0.26	-0.20	-0.57	-1.04	-1.37	-1.58	-1.57	-1.64	-1.47	-1.26	-0.77	0.22	0.51	0.42	0.37	0.42	0.30	0.29	-0.28	0.51	-1.64
16	0.26	0.26	0.28	0.20	0.20	0.21	0.17	-0.25	-0.65	-1.07	-1.31	-1.53	-1.58	-1.58	-1.40	-1.11	-0.64	0.13	0.39	0.40	0.39	0.47	0.41	0.44	-0.29	0.47	-1.58
17	0.39	0.35	0.33	0.30	0.26	0.28	0.25	-0.25	-0.74	-1.19	-1.44	-1.78	-1.87	-1.48	-1.16	-0.84	-0.26	0.03	0.24	0.68	0.76	0.65	0.68	0.91	-0.21	0.91	-1.87
18	0.51	0.73	0.87	0.79	0.82	0.88	0.89	0.21	-0.52	-0.65	-0.69	-1.15	-1.14	-1.30	-0.83	-0.73	-0.23	0.00	0.06	0.22	0.57	0.80	0.51	0.61	0.05	0.89	-1.30
19	0.59	0.70	0.85	0.64	1.05	1.23	1.14	0.20	-0.21	-0.43	-0.42	0.04	-1.08	-0.77	-0.75	-0.43	-0.29	0.15	0.54	0.76	0.86	0.93	1.09	0.89	0.30	1.23	-1.08
20	1.28	0.88	0.75	0.89	0.84	1.17	0.66	-0.09	-0.99	-0.87	-1.32	-1.35	-1.18	-1.09	-1.02	-0.72	-0.42	-0.02	0.04	0.10	0.17	0.10	0.09	0.16	-0.08	1.28	-1.35
21	0.13	0.16	0.21	0.41	0.48	0.38	0.70	-0.04	-0.77	-0.53	-0.75	-0.75	-0.95	-0.98	-0.93	-0.69	-0.39	-0.06	0.02	0.08	0.47	0.79	0.78	0.49	-0.07	0.79	-0.98
22	0.35	0.36	0.43	0.34	0.36	0.40	0.31	-0.09	-0.61	-1.06	-1.34	-1.58	-1.81	-1.74	-1.69	-1.37	-0.57	0.04	0.19	0.78	0.87	0.65	0.48	0.34	-0.25	0.87	-1.81
23	0.29	0.35	0.56	0.44	0.46	0.36	0.45	-0.05	-0.47	-0.81	-1.12	-1.48	-1.55	-1.28	-0.87	-0.69	-0.28	0.13	0.65	0.81	1.06	0.46	0.41	0.35	-0.08	1.06	-1.55
24	0.33	0.26	0.24	0.26	0.28	0.25	0.23	-0.13	-0.49	-0.82	-1.08	-1.19	-1.29	-1.21	-1.05	-0.73	-0.27	0.22	0.25	0.22	0.19	0.24	0.27	0.29	-0.20	0.33	-1.29
25	0.25	0.24	0.25	0.23	0.23	--	--	--	--	-1.06	-1.12	-1.14	-1.26	-1.36	-1.38	-1.08	-0.58	0.33	0.48	0.54	0.57	0.67	0.85	1.15	-0.16	1.15	-1.38
26	1.06	1.23	1.21	0.66	0.84	1.38	1.01	0.30	-0.65	-0.85	-0.81	-1.13	-1.00	-0.99	-0.94	-0.64	-0.28	0.08	0.11	0.20	0.26	0.30	0.28	0.22	0.08	1.38	-1.13
27	0.47	0.85	1.00	0.75	0.44	0.34	0.32	-0.02	-0.55	-0.90	-1.31	-1.69	-1.76	-1.63	-1.17	-0.96	-0.34	0.06	0.10	0.23	0.66	0.82	0.69	0.76	-0.12	1.00	-1.76
28	0.51	0.46	0.41	0.30	0.27	0.22	0.16	-0.14	-0.61	-1.02	-1.25	-1.35	-1.53	-1.60	-1.46	-1.14	-0.38	0.10	0.26	0.66	0.59	1.02	0.77	0.72	-0.17	1.02	-1.60
29	0.44	0.27	0.23	0.32	0.29	0.28	0.29	-0.19	-0.64	-1.12	-1.53	-1.79	-1.76	-1.25	-1.00	-0.73	-0.36	0.14	0.36	0.50	0.65	0.94	0.82	0.79	-0.17	0.94	-1.79
30	0.88	0.66	0.70	1.06	1.12	1.31	0.78	-0.03	-0.60	-0.68	-0.53	-0.50	-0.70	-1.39	-1.14	-0.68	-0.15	0.23	0.77	1.11	0.55	0.80	0.73	0.55	0.20	1.31	-1.39
31	0.26	0.13	0.49	0.83	0.71	0.72	0.65	-0.16	-1.14	-1.15	-1.42	-1.52	-1.26	-0.74	-0.68	-0.39	-0.25	0.04	0.22	0.69	1.06	0.82	0.83	0.76	-0.02	1.06	-1.52
Avg	0.54	0.54	0.56	0.55	0.54	0.61	0.52	-0.11	-0.65	-0.97	-1.15	-1.29	-1.34	-1.30	-1.11	-0.88	-0.48	0.04	0.26	0.42	0.55	0.60	0.60	0.56	-0.10	--	--
Max	1.28	1.23	1.57	1.18	1.12	1.38	1.14	0.42	-0.21	-0.43	-0.42	0.04	-0.70	-0.74	-0.68	-0.39	-0.15	0.33	0.77	1.11	1.06	1.21	1.09	1.15	--	1.57	--
Min	0.13	0.13	0.17	0.18	0.18	0.17	0.11	-0.60	-1.14	-1.37	-1.58	-1.86	-1.87	-1.74	-1.69	-1.37	-0.87	-0.16	0.02	0.08	0.12	0.10	0.09	0.13	--	--	-1.87

-- Inidactes Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, DeltaTemp_C"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.66	0.86	0.66	0.72	0.81	0.98	0.68	0.00	-0.65	-1.11	-1.32	-1.40	-1.07	-1.17	-1.00	-0.78	-0.31	0.10	0.17	0.25	0.29	0.48	0.29	0.27	-0.07	0.98	-1.40
2	0.50	0.57	0.61	0.53	0.76	0.88	0.99	0.49	-0.54	-0.99	-1.08	-1.42	-1.32	-1.39	-1.23	-0.78	-0.38	0.06	0.21	0.62	0.57	0.61	1.12	1.21	0.02	1.21	-1.42
3	1.25	1.34	1.16	0.42	0.43	0.49	0.48	-0.01	-0.67	-0.96	-1.11	-1.27	-1.28	-0.97	-1.09	-0.63	-0.17	0.08	0.34	0.43	0.65	0.79	0.70	0.65	0.04	1.34	-1.28
4	0.79	0.82	0.77	0.63	0.44	0.67	0.62	0.57	-0.07	-0.51	-0.66	-0.51	-0.73	-0.61	-0.61	-0.55	-0.29	-0.05	0.14	0.34	0.19	0.10	0.10	0.09	0.07	0.82	-0.73
5	0.08	0.06	0.03	0.04	0.06	0.01	0.23	0.00	-0.37	-0.47	-0.68	-1.14	-1.20	-1.08	-1.06	-0.47	-0.21	-0.02	0.16	0.40	0.25	0.19	0.29	0.32	-0.19	0.40	-1.20
6	0.58	0.74	0.95	0.46	0.50	0.65	0.46	0.26	-0.12	-0.91	-0.75	-0.97	-1.11	-1.13	-1.03	-0.86	-0.30	0.11	0.22	0.49	0.32	0.27	0.16	0.21	-0.03	0.95	-1.13
7	0.30	0.24	0.55	1.00	0.47	0.49	0.72	0.33	-0.02	-0.43	-0.60	-0.57	-0.62	-0.63	-0.53	-0.30	-0.16	0.01	0.10	0.27	0.36	0.32	0.57	0.51	0.10	1.00	-0.63
8	0.28	0.01	0.13	0.29	0.44	1.03	0.62	0.13	-0.71	-1.12	-1.37	-0.98	-1.05	-1.00	-0.95	-0.57	-0.27	-0.01	0.05	0.34	0.49	0.66	0.41	0.77	-0.10	1.03	-1.37
9	0.67	0.65	0.42	0.33	0.47	0.51	0.48	-0.02	-0.70	-1.05	-1.35	-1.42	-1.37	-1.25	-1.17	-0.89	-0.29	0.07	0.10	0.40	0.49	0.75	0.78	0.87	-0.11	0.87	-1.42
10	0.80	0.86	0.81	1.23	0.72	0.63	0.70	0.02	-0.63	-1.07	-1.34	-1.09	-0.89	-0.98	-0.93	-0.68	-0.32	0.13	0.25	0.41	0.66	0.53	0.44	0.55	0.03	1.23	-1.34
11	0.70	0.91	0.91	0.85	0.87	0.82	1.08	0.90	-0.47	-0.86	-0.66	-0.77	-0.89	-1.10	-1.06	-0.74	-0.21	0.30	0.24	1.02	0.90	1.32	1.08	1.44	0.27	1.44	-1.10
12	1.00	1.57	1.28	0.93	0.69	0.77	0.84	0.64	-0.02	-0.80	-1.55	-1.24	-1.53	-1.27	-1.12	-0.58	-0.11	0.31	0.91	0.90	1.06	1.02	0.84	0.78	0.22	1.57	-1.55
13	0.96	1.10	0.80	0.91	0.92	0.92	0.97	0.73	-0.23	-1.00	-1.29	-1.00	-0.64	-0.78	-0.57	-0.43	-0.17	0.06	0.16	0.65	0.67	0.42	0.87	0.94	0.21	1.10	-1.29
14	0.82	0.63	0.76	1.17	1.00	1.12	0.92	0.93	-0.42	-1.00	-1.01	-0.79	-0.98	-1.03	-0.89	-0.57	-0.21	0.10	0.41	0.81	0.86	0.72	0.85	0.82	0.21	1.17	-1.03
15	0.80	1.04	1.01	0.92	1.13	0.80	0.92	0.35	-0.39	-0.97	-1.24	-1.22	-1.45	-1.27	-0.78	-0.65	-0.13	0.49	0.71	0.61	0.96	0.94	0.54	1.05	0.17	1.13	-1.45
16	0.86	1.08	1.02	1.10	0.84	0.79	0.69	0.82	-0.61	-0.96	-1.22	-0.92	-0.82	-0.94	--	-0.77	-0.19	0.24	0.61	0.91	0.86	0.82	1.16	1.36	0.29	1.36	-1.22
17	0.61	0.71	1.03	0.77	0.98	0.99	0.76	0.55	-0.51	-0.73	-0.85	-0.96	-0.84	-0.62	-0.51	-0.33	-0.14	0.00	0.16	0.16	0.11	0.18	0.19	0.13	0.08	1.03	-0.96
18	0.06	0.27	0.54	0.84	0.58	0.29	0.19	0.02	-0.33	-0.68	-1.03	-1.32	-1.55	-1.45	-1.20	-0.87	-0.03	0.42	0.42	0.33	0.31	0.68	0.44	0.30	-0.12	0.84	-1.55
19	0.22	0.27	0.26	0.28	0.28	0.31	0.29	0.03	-0.45	-0.81	-1.05	-1.20	-1.25	-1.12	-1.02	-0.63	0.03	0.43	0.58	0.47	0.48	0.49	0.54	0.51	-0.09	0.58	-1.25
20	0.47	0.46	0.44	0.43	0.41	0.30	0.37	0.09	-0.50	-0.94	-1.14	-1.67	-1.29	-1.04	-0.79	-0.56	-0.08	0.12	0.19	0.90	0.60	0.95	0.86	1.04	-0.02	1.04	-1.67
21	1.16	1.21	0.95	0.96	1.26	0.99	0.57	0.18	-0.22	-0.60	-0.84	-1.27	-1.52	-1.28	-0.66	-0.34	-0.01	0.59	0.91	0.53	0.38	0.39	0.35	0.38	0.17	1.26	-1.52
22	0.34	0.34	0.30	0.30	0.34	0.30	0.33	0.18	-0.27	-0.73	-0.97	-1.16	-1.35	-1.27	-1.15	-0.72	0.04	0.45	0.59	0.54	0.44	0.34	0.36	0.43	-0.08	0.59	-1.35
23	0.37	0.36	0.34	0.36	0.37	0.36	0.34	0.12	-0.34	-0.67	-0.99	-1.30	-1.32	-1.37	-0.96	-0.32	0.03	0.68	0.74	0.93	1.04	1.24	1.11	1.51	0.11	1.51	-1.37
24	1.24	1.54	1.37	1.35	0.83	0.93	1.03	0.59	-0.68	-0.95	-1.17	-0.69	-1.11	-0.82	-0.90	-0.71	-0.13	0.20	0.29	0.70	1.18	0.85	1.01	1.26	0.30	1.54	-1.17
25	1.34	1.37	1.56	1.00	1.18	0.90	0.85	0.50	-0.57	-0.95	-1.07	-1.19	-0.77	-0.73	-0.61	-0.40	-0.08	0.19	0.81	0.83	1.03	1.02	1.39	1.49	0.38	1.56	-1.19
26	0.81	0.67	0.57	0.58	0.69	0.86	0.59	0.37	-0.29	-0.71	-1.08	-1.28	-1.45	-1.37	-1.07	-0.76	0.16	1.17	0.85	0.73	0.96	0.84	0.83	0.91	0.15	1.17	-1.45
27	0.91	1.07	1.02	1.04	1.20	1.08	0.81	0.92	-0.28	-0.91	-1.16	-1.33	-1.26	-1.14	-0.56	-0.24	0.02	0.28	0.28	0.24	0.23	0.23	0.07	0.06	0.11	1.20	-1.33
28	0.12	0.12	0.11	0.40	0.77	1.01	0.72	0.50	-0.57	-0.96	-1.32	-1.41	-1.30	-1.31	-1.15	-0.43	0.06	0.49	0.57	0.72	1.06	0.67	0.80	0.88	0.02	1.06	-1.41
29	0.98	0.58	0.43	0.48	0.44	0.26	0.27	0.16	-0.16	-0.45	-0.87	-1.12	-1.09	-0.93	-0.70	-0.47	-0.06	0.09	0.14	0.17	0.16	0.16	0.15	0.13	-0.05	0.98	-1.12
30	0.18	0.15	0.15	0.12	0.12	0.12	0.16	0.07	-0.01	-0.14	-0.45	-0.56	-0.63	-0.29	-0.23	-0.13	0.00	0.15	0.40	0.23	0.16	0.22	0.21	0.22	0.01	0.40	-0.63
Avg	0.66	0.72	0.70	0.68	0.67	0.68	0.62	0.35	-0.39	-0.81	-1.04	-1.11	-1.12	-1.04	-0.88	-0.57	-0.13	0.24	0.39	0.54	0.59	0.61	0.62	0.70	0.07	--	--
Max	1.34	1.57	1.56	1.35	1.26	1.12	1.08	0.93	-0.01	-0.14	-0.45	-0.51	-0.62	-0.29	-0.23	-0.13	0.16	1.17	0.91	1.02	1.18	1.32	1.39	1.51	--	1.57	--
Min	0.06	0.01	0.03	0.04	0.06	0.01	0.16	-0.02	-0.71	-1.12	-1.55	-1.67	-1.55	-1.45	-1.23	-0.89	-0.38	-0.05	0.05	0.16	0.11	0.10	0.07	0.06	--	--	-1.67

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, DeltaTemp_C"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.21	0.19	0.16	0.15	0.15	0.14	0.13	0.12	0.00	-0.05	-0.14	0.07	-0.08	-0.28	-0.44	-0.25	0.06	0.60	0.87	0.84	1.12	1.16	0.76	0.90	0.27	1.16	-0.44
2	0.96	0.71	0.82	0.55	0.45	0.65	0.62	0.41	0.08	-0.74	-0.58	-0.78	-1.25	-0.88	-0.82	-0.68	-0.16	0.38	0.56	0.50	0.52	0.47	0.46	0.50	0.11	0.96	-1.25
3	0.58	0.61	0.71	0.78	0.82	0.90	0.88	0.84	-0.31	-0.92	-0.78	-0.86	-0.89	-0.95	-0.78	-0.39	-0.19	0.25	0.29	0.70	0.51	1.05	0.72	0.53	0.17	1.05	-0.95
4	0.43	0.33	0.31	0.35	0.84	1.16	1.40	0.99	-0.19	-0.91	-0.97	-0.77	-1.11	-0.95	-0.80	-0.38	-0.17	0.06	0.30	0.40	0.35	0.66	0.67	0.82	0.12	1.40	-1.11
5	0.64	0.31	0.21	0.10	0.03	0.03	0.02	0.00	-0.05	-0.16	-0.35	-0.31	-0.23	-0.21	-0.10	-0.19	-0.01	0.09	0.13	0.17	0.17	0.17	0.08	0.09	0.03	0.64	-0.35
6	0.22	0.16	0.21	0.22	0.20	0.20	0.19	0.09	-0.36	-0.68	-0.91	-1.04	-1.19	-1.11	-0.94	-0.68	0.09	0.45	0.31	0.24	--	--	0.24	0.24	-0.18	0.45	-1.19
7	0.21	0.15	0.12	0.10	0.12	0.14	0.11	0.01	-0.27	-0.47	-0.55	-0.88	-0.80	-0.70	-0.62	-0.40	0.01	0.19	0.23	0.36	0.34	0.26	0.28	0.29	-0.07	0.36	-0.88
8	0.33	0.29	0.32	0.32	0.35	0.42	0.44	0.14	-0.56	-0.93	-1.22	-1.49	-1.55	-1.33	-1.10	-0.51	-0.10	0.09	0.17	0.82	0.96	1.17	0.68	0.65	-0.07	1.17	-1.55
9	0.40	0.54	0.39	0.32	0.34	0.33	0.30	0.24	-0.21	-0.59	-0.82	-0.99	-1.11	-0.98	-0.87	-0.47	-0.01	0.20	0.22	0.20	0.27	0.44	0.35	0.31	-0.05	0.54	-1.11
10	0.26	0.22	0.27	0.28	0.28	0.27	0.24	0.26	-0.02	-0.38	-0.66	-0.67	-0.53	-0.39	-0.25	-0.12	0.08	0.23	0.20	0.19	0.22	0.28	0.29	0.22	0.03	0.29	-0.67
11	0.21	0.17	0.18	0.16	0.16	0.15	0.22	0.18	-0.06	-0.58	-0.88	-1.36	-1.57	-1.31	-1.04	-0.66	0.17	0.44	0.41	0.65	0.63	0.46	0.42	0.34	-0.11	0.65	-1.57
12	0.36	0.38	0.29	0.32	0.29	0.23	0.30	0.20	-0.09	-0.37	-0.63	-0.52	-0.52	-0.47	-0.28	-0.38	0.05	0.20	0.31	0.28	0.33	0.32	0.28	0.30	0.05	0.38	-0.63
13	0.30	0.31	0.29	0.25	0.28	0.27	0.29	0.25	-0.24	-0.74	-1.13	-1.26	-1.36	-1.42	-1.20	-0.67	-0.08	0.38	0.64	0.71	0.50	0.91	1.34	1.18	-0.01	1.34	-1.42
14	1.72	0.64	0.73	0.84	0.84	0.75	1.27	--	--	-0.83	-0.93	-0.84	-0.90	-0.89	-0.71	-0.36	-0.01	0.21	0.27	0.27	0.30	0.22	0.19	0.20	0.14	1.72	-0.93
15	0.26	0.51	0.34	0.31	0.26	0.18	0.25	0.15	-0.26	-0.64	-0.95	-1.18	-1.35	-1.32	-1.14	-0.83	-0.08	0.47	0.41	0.54	0.51	0.44	0.47	0.36	-0.09	0.54	-1.35
16	0.31	0.38	0.27	0.33	0.29	0.25	0.24	0.11	-0.10	-0.43	-0.54	-0.39	-0.54	-0.51	-0.58	-0.57	-0.10	0.36	0.58	0.65	0.88	0.82	0.91	0.71	0.14	0.91	-0.58
17	0.96	1.09	0.50	0.39	0.14	0.21	0.29	0.19	0.08	-0.17	-0.37	-0.48	-0.30	-0.13	-0.21	-0.42	-0.18	0.07	0.17	0.19	0.26	0.30	0.22	0.26	0.13	1.09	-0.48
18	0.27	0.29	0.45	0.41	0.38	0.33	0.18	0.32	-0.19	-0.64	-0.96	-1.17	-1.12	-0.83	-1.02	-0.59	-0.29	0.04	0.15	0.54	0.70	0.78	0.55	0.70	-0.03	0.78	-1.17
19	0.75	0.61	0.90	0.85	0.85	0.72	0.77	1.06	-0.06	-0.68	-0.68	-0.94	-0.90	-0.80	-0.84	-0.66	-0.19	0.09	0.16	0.58	0.73	0.73	0.77	0.76	0.19	1.06	-0.94
20	0.94	1.20	1.01	1.13	1.36	0.83	1.02	0.95	-0.13	-0.85	-1.08	-1.27	-1.24	-1.15	-0.96	-0.68	-0.18	0.19	0.60	0.59	0.52	0.66	0.56	0.52	0.19	1.36	-1.27
21	0.37	0.32	0.21	0.12	0.09	0.05	-0.07	-0.08	-0.17	--	--	--	--	--	--	--	-0.21	0.07	0.07	0.20	0.19	0.63	0.97	0.67	0.20	0.97	-0.21
22	0.61	1.16	0.66	0.70	0.76	0.81	0.98	0.50	-0.24	-0.82	-1.14	-0.92	-0.84	-0.81	-0.60	-0.47	-0.12	0.05	0.12	0.50	0.75	0.55	0.35	0.35	0.12	1.16	-1.14
23	0.58	0.70	0.63	0.54	0.53	0.34	0.25	0.24	0.02	-0.31	-0.55	-0.69	-0.81	-1.13	-1.13	-0.45	-0.01	0.31	0.92	1.17	0.92	0.90	0.97	0.71	0.19	1.17	-1.13
24	1.37	1.04	0.92	0.80	0.79	0.88	0.92	1.01	-0.07	-0.76	-0.99	-1.27	-1.50	-0.97	-0.81	-0.69	-0.02	0.59	0.98	0.81	0.94	0.91	0.75	1.02	0.28	1.37	-1.50
25	0.97	1.10	0.86	1.13	0.88	1.20	1.17	1.24	0.59	-0.61	-1.10	-1.12	-0.62	-0.55	-0.38	-0.20	-0.02	0.83	1.04	1.12	0.95	0.91	0.95	1.13	0.48	1.24	-1.12
26	1.02	0.93	1.00	1.00	0.96	1.02	0.89	0.77	0.09	-0.88	-1.00	-0.80	-0.75	-0.92	-0.82	-0.57	-0.14	0.28	0.71	0.78	0.63	1.05	0.97	1.15	0.31	1.15	-1.00
27	0.82	0.65	0.45	0.32	0.30	0.43	0.42	0.39	0.22	-0.41	-0.86	-1.06	-1.10	-1.22	-0.97	-0.58	0.12	0.83	1.18	1.35	0.77	0.58	0.62	1.11	0.18	1.35	-1.22
28	1.06	0.84	0.96	0.77	0.68	0.69	0.53	0.42	-0.15	-0.51	-0.83	-1.12	-1.08	-1.23	-0.95	-0.42	0.04	0.77	1.08	0.97	0.85	0.83	1.15	0.87	0.26	1.15	-1.23
29	0.92	0.85	0.83	0.65	0.71	0.52	0.50	0.42	-0.01	-0.49	-0.80	-1.27	-1.58	-1.12	-0.79	-0.53	0.00	0.56	1.05	0.92	1.09	1.33	1.11	1.24	0.26	1.33	-1.58
30	1.31	1.46	1.79	1.09	1.11	1.09	1.16	0.88	-0.13	-0.76	-1.02	-1.16	-1.21	-0.78	-0.80	-0.46	-0.04	0.55	0.84	1.18	1.22	1.09	0.84	1.12	0.43	1.79	-1.21
31	0.74	0.89	0.83	1.08	0.98	0.86	0.99	1.02	0.70	0.10	-0.63	-0.78	-0.42	-0.46	-0.52	-0.32	-0.02	0.71	0.60	0.99	0.86	0.86	0.85	0.92	0.45	1.08	-0.78
Avg	0.65	0.61	0.57	0.53	0.52	0.52	0.55	0.44	-0.07	-0.57	-0.80	-0.91	-0.95	-0.86	-0.75	-0.49	-0.06	0.34	0.50	0.63	0.63	0.70	0.64	0.65	0.13	--	--
Max	1.72	1.46	1.79	1.13	1.36	1.20	1.40	1.24	0.70	0.10	-0.14	0.07	-0.08	-0.13	-0.10	-0.12	0.17	0.83	1.18	1.35	1.22	1.33	1.34	1.24	--	1.79	--
Min	0.21	0.15	0.12	0.10	0.03	0.03	-0.07	-0.08	-0.56	-0.93	-1.22	-1.49	-1.58	-1.42	-1.20	-0.83	-0.29	0.04	0.07	0.17	0.17	0.17	0.08	0.09	--	--	-1.58

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, Precip_Inches"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	Max	Min
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	--
Max	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0	--
Min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	--	0

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, Precip_Inches"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	Max	Min
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0.004	0	0	0	0	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.008	0.004	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0.004	0	0	0	0	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.008	--	--
Max	0	0	0.004	0	0	0	0	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0.004	--
Min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	--	0

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, Precip_Inches"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	Max	Min
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.008	0.008	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.004	0	0	0.004	0.004	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0.02	0	0.072	0.02	0.004	0	0	0	0	0	0	0.004	0	0	0	0	0	0	0	0	0	0	0.12	0.072	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0.02	0.008	0.072	0.02	0.004	0	0	0	0	0	0	0.004	0	0	0	0	0	0	0	0.004	0	0	0.132	--	--
Max	0	0	0.02	0.008	0.072	0.02	0.004	0	0	0	0	0	0	0.004	0	0	0	0	0	0	0	0.004	0	0	--	0.072	--
Min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	--	0

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, RH_Percent"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	22	21	18	20	21	22	24	21	20	18	14	12	11	10	10	10	11	11	12	11	12	13	14	18	16	24	10
2	21	22	23	22	19	13	13	15	20	22	20	16	16	14	13	13	16	19	22	23	25	28	29	32	20	32	13
3	32	33	34	35	35	36	34	30	25	21	18	15	11	11	12	11	10	11	12	13	16	18	22	23	21	36	10
4	25	27	27	29	29	30	31	28	23	21	21	19	18	17	17	18	18	20	23	24	27	27	28	28	24	31	17
5	30	33	33	33	32	32	33	29	29	29	24	21	19	18	19	19	20	23	24	24	25	25	24	25	26	33	18
6	28	21	27	23	18	19	22	19	15	14	12	9	9	8	7	6	6	6	8	10	11	9	11	10	14	28	6
7	8	7	8	8	9	9	9	9	8	6	6	6	4	3	3	4	4	5	6	6	7	9	9	10	7	10	3
8	10	10	11	12	12	13	13	11	9	8	6	6	5	5	4	5	6	6	7	8	8	9	10	12	9	13	4
9	12	15	19	23	25	27	27	26	24	24	24	23	22	21	21	20	14	14	11	9	10	10	10	11	18	27	9
10	12	13	13	13	13	14	14	13	13	13	14	15	15	16	16	15	16	17	20	21	22	24	26	28	17	28	12
11	30	32	32	33	33	34	35	31	28	25	22	19	18	18	19	20	21	21	22	23	21	24	27	26	26	35	18
12	26	27	27	28	30	31	31	29	25	20	19	15	14	11	8	5	6	8	9	10	11	11	11	12	18	31	5
13	13	14	15	16	18	19	19	16	13	10	9	9	11	12	13	13	13	13	14	16	17	18	19	20	15	20	9
14	22	23	24	26	27	27	27	25	20	17	16	13	11	10	11	10	9	11	13	15	17	18	14	7	17	27	7
15	6	6	7	7	7	7	7	7	6	6	5	5	5	5	6	6	7	8	9	10	12	14	16	17	8	17	5
16	17	18	18	19	20	21	21	19	18	19	19	17	16	17	18	19	21	24	26	28	29	31	32	32	22	32	16
17	33	34	35	35	36	37	37	34	31	28	26	23	20	18	17	17	17	20	22	25	27	30	31	33	28	37	17
18	34	35	35	35	36	35	35	37	27	21	19	16	14	13	12	10	12	16	17	18	20	20	20	19	23	37	10
19	19	21	22	22	23	22	23	20	20	19	18	22	20	17	16	16	16	17	19	20	21	23	25	26	20	26	16
20	29	31	32	28	32	32	32	27	24	23	22	20	20	20	21	22	24	26	32	32	33	36	39	41	28	41	20
21	43	45	47	49	50	47	49	46	35	33	32	31	28	28	27	27	28	31	32	33	36	37	33	31	37	50	27
22	19	16	12	10	9	9	9	8	7	7	7	7	7	6	6	6	6	8	9	11	10	10	11	13	9	19	6
23	13	13	11	11	11	13	13	12	10	9	8	6	6	6	6	7	8	9	10	11	11	11	10	10	10	13	6
24	11	12	12	12	13	14	15	14	14	15	15	15	13	12	13	12	13	15	17	20	20	21	21	22	15	22	11
25	22	22	23	24	24	24	25	23	21	19	17	15	14	13	13	13	14	16	17	19	20	21	23	24	19	25	13
26	24	25	26	26	26	27	28	26	20	16	16	14	13	12	12	12	12	13	15	17	15	15	15	15	18	28	12
27	17	19	20	20	21	18	18	15	15	15	14	13	11	10	9	10	10	12	13	14	17	17	18	17	15	21	9
28	16	16	21	25	26	27	28	25	22	20	17	14	12	11	10	10	10	13	14	16	17	17	18	19	18	28	10
29	19	20	22	22	22	24	25	24	21	19	17	15	13	11	10	10	10	13	15	16	17	18	20	19	17	25	10
30	20	20	21	22	23	26	27	24	25	27	25	24	21	17	16	17	18	19	21	23	18	21	24	27	22	27	16
31	37	52	60	65	63	57	56	47	42	36	32	28	26	28	27	26	26	26	26	29	30	32	34	35	38	65	26
Avg	22	23	24	24	25	25	25	23	20	19	17	16	14	14	13	13	14	15	17	18	19	20	21	21	19	--	--
Max	43	52	60	65	63	57	56	47	42	36	32	31	28	28	27	27	28	31	32	33	36	37	39	41	--	65	--
Min	6	6	7	7	7	7	7	7	6	6	5	5	4	3	3	4	4	5	6	6	7	9	9	7	--	--	3

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, RH_Percent"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	35	35	35	35	38	39	39	36	32	29	37	37	32	28	28	28	29	32	34	35	34	34	41	48	35	48	28
2	53	55	57	61	63	65	66	62	49	47	45	40	37	33	32	33	37	46	49	52	54	55	54	48	50	66	32
3	50	52	53	58	60	62	62	53	47	43	43	39	35	30	30	27	31	33	36	36	34	32	33	36	42	62	27
4	34	36	36	35	36	36	36	35	27	28	31	31	27	25	27	28	30	29	30	31	37	44	47	50	34	50	25
5	52	56	61	66	68	67	73	71	64	60	54	44	40	38	32	35	41	45	45	47	46	47	46	44	52	73	32
6	44	45	51	51	51	51	51	49	45	39	33	31	28	26	25	24	27	31	33	34	34	34	34	36	38	51	24
7	36	37	39	43	46	46	48	49	47	43	40	39	38	37	37	38	40	42	43	44	46	46	45	48	42	49	36
8	45	48	67	75	79	77	77	68	57	48	42	40	40	40	38	38	39	42	43	46	50	48	45	49	52	79	38
9	48	47	42	43	44	46	47	45	40	36	32	27	23	22	20	19	27	32	33	37	40	41	41	41	36	48	19
10	40	42	42	46	47	49	49	46	39	33	29	25	24	22	22	20	22	24	28	32	35	35	30	27	34	49	20
11	29	32	32	33	35	36	37	36	29	24	22	20	16	17	13	10	10	12	16	19	20	19	17	14	23	37	10
12	14	17	20	23	25	26	25	23	19	17	14	14	13	14	13	12	13	15	18	18	18	19	19	19	18	26	12
13	19	20	21	21	23	24	23	25	23	18	14	14	13	13	13	13	14	15	18	20	20	20	20	17	18	25	13
14	16	14	14	16	15	17	20	19	18	16	14	12	11	11	9	10	13	16	17	19	20	20	20	19	16	20	9
15	19	18	17	16	19	21	22	20	17	13	11	10	8	6	7	9	9	11	12	14	15	12	13	15	14	22	6
16	15	16	17	18	19	19	18	15	13	12	10	10	9	9	9	10	11	12	14	16	16	17	17	18	14	19	9
17	20	20	21	22	22	23	23	22	19	17	17	16	18	21	22	22	23	24	26	27	28	28	29	34	23	34	16
18	42	47	49	51	52	48	45	43	32	27	22	18	15	14	12	11	11	11	10	9	10	11	12	12	26	52	9
19	12	13	14	16	17	18	21	24	23	21	19	17	14	13	12	12	12	12	14	16	16	17	17	18	16	24	12
20	19	19	20	20	20	20	22	21	18	17	16	14	15	14	13	13	14	16	17	20	18	21	21	21	18	22	13
21	21	21	22	22	23	23	22	20	11	7	7	8	8	9	11	12	14	15	15	15	17	17	16	16	16	23	7
22	16	16	17	18	16	16	16	16	15	14	13	12	11	11	10	10	12	13	14	15	15	16	16	17	14	18	10
23	19	20	23	25	24	24	25	25	23	22	20	18	15	13	12	14	15	18	20	21	22	22	20	20	20	25	12
24	19	22	24	23	23	24	25	24	19	16	13	13	13	13	13	14	15	18	19	21	24	24	25	25	20	25	13
25	27	27	27	26	27	27	29	27	22	18	15	12	13	14	15	15	17	19	22	23	22	20	21	24	21	29	12
26	22	18	15	15	16	16	14	15	14	14	13	11	10	8	7	7	9	12	14	15	16	16	17	18	14	22	7
27	18	19	19	18	20	21	20	18	14	13	12	11	10	10	10	14	15	15	16	19	19	22	29	38	17	38	10
28	39	40	43	45	50	51	48	43	36	31	25	20	18	19	16	18	18	20	21	20	17	16	16	17	29	51	16
29	18	18	17	18	19	20	21	23	23	23	22	19	19	19	18	19	20	21	21	22	22	22	22	23	20	23	17
30	23	22	22	23	23	24	24	24	24	23	21	20	21	23	24	24	24	24	26	26	26	27	26	25	24	27	20
Avg	29	30	31	33	34	34	35	33	29	26	24	21	20	19	18	19	20	23	24	26	26	27	27	28	26	--	--
Max	53	56	67	75	79	77	77	71	64	60	54	44	40	40	38	38	41	46	49	52	54	55	54	50	--	79	--
Min	12	13	14	15	15	16	14	15	11	7	7	8	8	6	7	7	9	11	10	9	10	11	12	12	--	--	6

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, RH_Percent"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	25	24	25	25	26	25	25	26	25	25	25	32	40	35	32	28	28	30	29	30	31	30	32	32	29	40	24
2	33	32	31	32	31	30	29	30	30	26	23	23	21	21	20	20	21	24	28	28	28	28	25	25	27	33	20
3	26	29	32	33	34	35	36	36	32	28	27	28	27	27	28	30	31	32	34	37	38	38	37	38	32	38	26
4	39	40	42	43	47	50	52	52	46	41	35	34	33	33	35	38	41	46	48	49	50	54	55	50	44	55	33
5	48	43	29	25	23	21	20	20	20	19	19	21	21	23	25	28	31	35	39	41	35	36	33	33	29	48	19
6	34	28	29	33	33	32	30	29	25	25	25	27	32	32	32	30	19	9	9	9	9	10	12	11	24	34	9
7	9	10	12	13	14	14	15	16	16	16	14	13	13	11	9	8	8	9	11	11	12	14	15	16	12	16	8
8	17	18	19	20	22	24	25	25	22	20	18	16	14	13	12	11	13	15	16	18	20	20	17	16	18	25	11
9	17	18	17	16	15	16	19	19	16	16	15	14	13	12	11	11	13	15	15	15	16	15	16	17	15	19	11
10	15	16	16	15	15	15	15	14	13	12	11	9	7	7	6	6	7	8	10	11	11	12	12	12	11	16	6
11	12	12	13	13	13	14	13	13	12	12	11	9	8	7	8	8	8	8	10	10	9	12	14	15	11	15	7
12	12	9	8	8	8	11	12	12	11	11	10	7	7	7	8	8	8	8	8	7	8	10	11	12	9	12	7
13	13	14	16	16	15	14	15	13	11	11	9	8	8	8	9	9	10	11	12	13	14	15	15	17	12	17	8
14	16	17	18	18	19	19	20	22	23	15	13	13	14	17	19	21	22	23	23	24	25	26	26	26	20	26	13
15	28	30	30	30	27	26	26	28	27	26	24	21	19	18	16	16	17	19	20	21	21	24	26	27	24	30	16
16	28	28	30	32	32	33	33	34	33	28	22	21	18	16	16	15	17	18	20	22	24	25	25	27	25	34	15
17	30	34	65	74	83	85	81	81	80	79	77	75	73	73	71	61	62	74	77	80	79	75	77	77	72	85	30
18	76	76	80	78	76	70	82	81	62	43	34	32	29	32	39	43	50	56	57	62	65	66	68	69	59	82	29
19	70	68	65	64	60	59	56	59	54	46	37	36	37	35	37	37	41	48	51	56	59	60	56	54	52	70	35
20	49	42	37	44	47	41	42	44	38	33	29	29	28	25	23	25	29	30	36	36	35	35	34	33	35	49	23
21	31	29	30	35	55	61	60	62	63	45	39	37	36	34	31	29	30	32	31	29	28	32	34	34	39	63	28
22	37	39	39	38	39	42	40	39	36	32	30	26	24	23	22	22	25	27	30	32	32	31	30	31	32	42	22
23	30	31	32	29	30	26	27	28	27	25	24	22	20	16	14	16	19	20	21	19	19	18	17	15	23	32	14
24	16	17	18	18	22	22	19	21	19	15	10	8	8	7	8	8	12	14	15	14	14	15	13	13	15	22	7
25	12	12	13	16	14	15	16	16	15	13	10	8	7	8	10	11	11	12	13	14	14	13	12	11	12	16	7
26	10	9	8	9	10	10	15	14	13	11	9	9	8	8	8	9	10	11	12	13	13	13	11	13	11	15	8
27	14	15	15	15	16	17	17	17	16	14	11	10	10	9	8	9	10	14	16	17	15	14	14	16	14	17	8
28	16	16	18	19	21	21	21	20	15	11	11	10	7	5	5	7	8	10	10	9	9	9	12	12	13	21	5
29	11	12	12	12	11	12	13	13	11	9	8	6	7	6	6	6	7	8	10	10	10	10	11	12	10	13	6
30	12	11	14	15	15	14	14	13	10	9	8	7	6	5	6	7	8	9	10	9	9	10	10	10	10	15	5
31	10	9	10	10	10	11	12	12	11	12	10	7	8	7	7	8	9	10	11	12	11	12	11	10	10	12	7
Avg	26	26	27	27	29	29	29	29	27	23	21	20	19	19	19	19	20	22	24	24	25	25	25	25	24	--	--
Max	76	76	80	78	83	85	82	81	80	79	77	75	73	73	71	61	62	74	77	80	79	75	77	77	--	85	--
Min	9	9	8	8	8	10	12	12	10	9	8	6	6	5	5	6	7	8	8	7	8	9	10	10	--	--	5

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, SR_Wm2_2m"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	35.8	247	480	677	816	887	894	831	697	511	288	67.5	0.203	0	0	0	0	0	268	894	0
2	0	0	0	0	0	0	36.2	250	478	674	813	889	888	820	689	504	281	63.1	0.15	0	0	0	0	0	266	889	0
3	0	0	0	0	0	0	33	243	474	672	812	884	889	824	685	501	277	59.4	0.037	0	0	0	0	0	265	889	0
4	0	0	0	0	0	0	26	223	450	643	781	850	853	787	656	475	261	55.4	0.123	0	0	0	0	0	253	853	0
5	0	0	0	0	0	0	31.7	209	353	633	762	835	838	775	646	464	249	50.3	0.0085	0	0	0	0	0	244	838	0
6	0	0	0	0	0	0	29.9	235	470	671	813	883	886	823	685	497	269	48.7	0	0	0	0	0	0	263	886	0
7	0	0	0	0	0	0	31.3	248	484	688	834	902	895	824	689	497	268	44.7	0	0	0	0	0	0	267	902	0
8	0	0	0	0	0	0	28.5	238	468	670	809	879	879	815	676	482	255	42.6	0	0	0	0	0	0	260	879	0
9	0	0	0	0	0	0	23.2	216	440	629	766	840	841	776	644	453	237	39.9	0	0	0	0	0	0	246	841	0
10	0	0	0	0	0	0	24.1	223	455	647	785	854	852	787	568	411	218	45.9	0	0	0	0	0	0	245	854	0
11	0	0	0	0	0	0	25.5	205	450	629	712	831	823	751	633	442	226	34.6	0	0	0	0	0	0	240	831	0
12	0	0	0	0	0	0	19.9	113	426	610	672	833	843	787	558	480	229	31.5	0	0	0	0	0	0	233	843	0
13	0	0	0	0	0	0	20.2	207	429	625	759	827	827	761	627	443	224	29.5	0	0	0	0	0	0	241	827	0
14	0	0	0	0	0	0	20.1	209	434	634	778	845	841	777	638	445	223	28.8	0	0	0	0	0	0	245	845	0
15	0	0	0	0	0	0	21.3	218	446	643	783	852	849	776	631	436	216	26.1	0	0	0	0	0	0	246	852	0
16	0	0	0	0	0	0	18.8	206	429	622	761	829	813	756	615	426	210	25	0	0	0	0	0	0	238	829	0
17	0	0	0	0	0	0	15.8	200	417	611	743	770	804	705	477	312	135	20.6	0	0	0	0	0	0	217	804	0
18	0	0	0	0	0	0	4.23	169	396	591	715	802	807	740	484	359	137	17.1	0	0	0	0	0	0	217	807	0
19	0	0	0	0	0	0	15.9	168	107	244	202	80.7	630	566	396	188	176	20.1	0	0	0	0	0	0	116	630	0
20	0	0	0	0	0	0	13.4	182	402	595	731	799	793	723	589	407	195	18.6	0	0	0	0	0	0	227	799	0
21	0	0	0	0	0	0	11.7	155	389	576	717	789	775	703	569	391	178	20.1	0	0	0	0	0	0	220	789	0
22	0	0	0	0	0	0	14	192	414	605	740	808	800	726	588	401	180	15	0	0	0	0	0	0	229	808	0
23	0	0	0	0	0	0	13.2	194	418	610	750	818	810	731	594	406	177	12.2	0	0	0	0	0	0	231	818	0
24	0	0	0	0	0	0	10.7	181	403	591	725	793	787	718	580	396	169	9.85	0	0	0	0	0	0	223	793	0
25	0	0	0	0	0	0	9.85	173	394	583	719	787	782	709	571	385	159	7.61	0	0	0	0	0	0	220	787	0
26	0	0	0	0	0	0	7.62	146	380	570	710	777	773	703	566	382	157	6.35	0	0	0	0	0	0	216	777	0
27	0	0	0	0	0	0	7.52	169	389	573	709	776	773	701	564	377	152	6.1	0	0	0	0	0	0	217	776	0
28	0	0	0	0	0	0	4.28	150	377	566	702	769	763	689	550	366	146	5.97	0	0	0	0	0	0	212	769	0
29	0	0	0	0	0	0	5.91	160	378	565	698	762	756	681	549	364	144	5.3	0	0	0	0	0	0	211	762	0
30	0	0	0	0	0	0	6.22	120	361	407	312	240	402	662	499	228	73.2	14.3	0	0	0	0	0	0	139	662	0
31	0	0	0	0	0	0	4.22	162	376	556	674	763	647	323	347	190	104	10.4	0	0	0	0	0	0	173	763	0
Avg	0	0	0	0	0	0	18.4	194	412	600	719	782	800	734	589	407	200	28.5	0.0168	0	0	0	0	0	229	--	--
Max	0	0	0	0	0	0	36.2	250	484	688	834	902	895	831	697	511	288	67.5	0.203	0	0	0	0	0	--	902	--
Min	0	0	0	0	0	0	4.22	113	107	244	202	80.7	402	323	347	188	73.2	5.3	0	0	0	0	0	0	--	--	0

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, SR_Wm2_2m"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	2.22	118	342	526	676	738	736	665	531	350	136	6.34	0	0	0	0	0	0	201	738	0
2	0	0	0	0	0	0	1.29	52.8	340	389	530	713	701	666	528	348	133	6.11	0	0	0	0	0	0	184	713	0
3	0	0	0	0	0	0	2.93	137	280	435	644	658	685	580	483	276	86.9	5.92	0	0	0	0	0	0	178	685	0
4	0	0	0	0	0	0	0.899	52.2	228	262	349	299	495	311	278	287	125	7.53	0	0	0	0	0	0	112	495	0
5	0	0	0	0	0	0	0.567	57.4	253	347	604	713	695	675	518	165	66.9	7.56	0	0	0	0	0	0	171	713	0
6	0	0	0	0	0	0	0.483	55.7	160	400	568	710	722	557	508	338	114	3.58	0	0	0	0	0	0	172	722	0
7	0	0	0	0	0	0	0.0318	35.4	123	201	294	379	410	320	282	136	55.8	3.06	0	0	0	0	0	0	93.3	410	0
8	0	0	0	0	0	0	1.22	118	326	509	643	572	690	640	493	266	121	5.56	0	0	0	0	0	0	183	690	0
9	0	0	0	0	0	0	0.242	115	331	514	646	715	709	640	505	326	112	2.67	0	0	0	0	0	0	192	715	0
10	0	0	0	0	0	0	0.384	120	332	508	640	676	647	628	501	318	113	1.71	0	0	0	0	0	0	187	676	0
11	0	0	0	0	0	0	0.189	101	317	504	639	709	703	636	505	324	109	1.46	0	0	0	0	0	0	190	709	0
12	0	0	0	0	0	0	0.0925	57.3	198	435	626	659	695	603	498	308	100	3.26	0	0	0	0	0	0	174	695	0
13	0	0	0	0	0	0	0.151	53.9	232	463	620	467	590	530	343	323	121	4.81	0	0	0	0	0	0	156	620	0
14	0	0	0	0	0	0	0.0075	95.2	254	492	622	697	670	605	462	314	111	3.16	0	0	0	0	0	0	180	697	0
15	0	0	0	0	0	0	0.0765	75	285	460	612	655	679	632	364	261	91	1.83	0	0	0	0	0	0	172	679	0
16	0	0	0	0	0	0	0.042	98.3	300	475	613	677	676	609	469	286	96.6	1.38	0	0	0	0	0	0	179	677	0
17	0	0	0	0	0	0	0.24	76.4	238	334	473	532	510	378	293	127	56.1	0.895	0	0	0	0	0	0	126	532	0
18	0	0	0	0	0	0	0	94.4	312	498	634	703	701	635	502	320	100	1.26	0	0	0	0	0	0	188	703	0
19	0	0	0	0	0	0	0	91.8	308	496	631	701	698	631	497	317	98.6	1.35	0	0	0	0	0	0	186	701	0
20	0	0	0	0	0	0	0	84.2	295	444	442	662	587	568	430	275	68.5	2.36	0	0	0	0	0	0	161	662	0
21	0	0	0	0	0	0	0	58.1	256	399	482	631	628	556	447	264	77.2	3.12	0	0	0	0	0	0	158	631	0
22	0	0	0	0	0	0	0.0393	76	255	465	594	659	659	591	464	290	83	1.36	0	0	0	0	0	0	172	659	0
23	0	0	0	0	0	0	0	84.3	288	471	603	671	670	602	471	299	82	0.978	0	0	0	0	0	0	177	671	0
24	0	0	0	0	0	0	0	77.5	277	457	585	654	651	587	460	287	77.8	1.05	0	0	0	0	0	0	171	654	0
25	0	0	0	0	0	0	0	70.3	271	452	585	650	653	591	464	290	79.3	1.12	0	0	0	0	0	0	171	653	0
26	0	0	0	0	0	0	0	60	263	437	558	647	652	586	458	280	73.1	0.978	0	0	0	0	0	0	167	652	0
27	0	0	0	0	0	0	0	71.5	269	450	585	653	653	598	344	144	37.2	0.548	0	0	0	0	0	0	159	653	0
28	0	0	0	0	0	0	0	66	268	453	587	651	647	555	466	197	57.4	1.46	0	0	0	0	0	0	165	651	0
29	0	0	0	0	0	0	0	20.7	166	223	452	490	467	378	259	180	47.3	0.75	0	0	0	0	0	0	112	490	0
30	0	0	0	0	0	0	0	9.57	41.2	103	204	245	262	169	104	76.1	30.4	0.63	0	0	0	0	0	0	51.9	262	0
Avg	0	0	0	0	0	0	0.37	76.1	260	420	558	620	632	557	431	266	88.7	2.79	0	0	0	0	0	0	163	--	--
Max	0	0	0	0	0	0	2.93	137	342	526	676	738	736	675	531	350	136	7.56	0	0	0	0	0	0	--	738	--
Min	0	0	0	0	0	0	0	9.57	41.2	103	204	245	262	169	104	76.1	30.4	0.548	0	0	0	0	0	0	--	--	0

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, SR_Wm2_2m"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	0	14.2	52.4	72.2	96	67.5	116	138	211	107	24.8	0.997	0	0	0	0	0	0	37.5	211	0
2	0	0	0	0	0	0	0	3.88	78.8	369	273	375	544	368	336	263	91.1	1.25	0	0	0	0	0	0	113	544	0
3	0	0	0	0	0	0	0	43	222	387	513	561	592	544	337	204	81.2	1.45	0	0	0	0	0	0	145	592	0
4	0	0	0	0	0	0	0	24.3	216	395	542	608	622	493	386	185	75.2	1.36	0	0	0	0	0	0	148	622	0
5	0	0	0	0	0	0	0	2.81	23.6	86.8	175	143	96.6	86	59.5	106	39.2	2.46	0	0	0	0	0	0	34.2	175	0
6	0	0	0	0	0	0	0	34.5	234	415	549	621	623	566	447	280	87.4	1.07	0	0	0	0	0	0	161	623	0
7	0	0	0	0	0	0	0	54.1	257	446	582	652	657	598	472	299	95.8	1.36	0	0	0	0	0	0	171	657	0
8	0	0	0	0	0	0	0	47.9	238	420	553	623	629	573	451	283	89.9	1.16	0	0	0	0	0	0	163	629	0
9	0	0	0	0	0	0	0	47.5	239	423	557	630	636	579	457	287	71.3	0.421	0	0	0	0	0	0	164	636	0
10	0	0	0	0	0	0	0	15.4	179	357	541	514	443	307	253	157	53	1.45	0	0	0	0	0	0	118	541	0
11	0	0	0	0	0	0	0	7.81	140	399	531	720	736	628	471	266	71.5	1.67	0	0	0	0	0	0	166	736	0
12	0	0	0	0	0	0	0	12.6	182	371	459	416	435	386	227	275	93.1	2.01	0	0	0	0	0	0	119	459	0
13	0	0	0	0	0	0	0	41.1	231	416	552	625	631	573	450	284	92.5	1	0	0	0	0	0	0	162	631	0
14	0	0	0	0	0	0	0	25.4	158	398	530	599	601	545	428	273	93.1	2.67	0	0	0	0	0	0	152	601	0
15	0	0	0	0	0	0	0	35.5	222	407	543	617	623	566	447	280	94	1.23	0	0	0	0	0	0	160	623	0
16	0	0	0	0	0	0	0	32.7	120	272	273	202	261	230	260	240	58.8	0.575	0	0	0	0	0	0	81.2	273	0
17	0	0	0	0.358	0.0018	0.278	0.228	9.48	71.7	186	241	283	163	128	143	341	133	6.01	0	0	0	0	0	0	71.1	341	0
18	0	0	0	0	0	0	0	6.29	184	371	525	605	612	562	449	283	101	2.52	0	0	0	0	0	0	154	612	0
19	0	0	0	0	0	0	0	35.5	199	383	524	606	618	565	451	286	99.4	1.9	0	0	0	0	0	0	157	618	0
20	0	0	0	0	0	0	0	30.1	207	393	535	613	622	573	459	293	102	1.74	0	0	0	0	0	0	159	622	0
21	0	0	0	0	0	0	0	4.05	133	397	546	624	639	580	476	305	108	2.47	0	0	0	0	0	0	159	639	0
22	0	0	0	0	0	0	0	28.4	207	394	540	621	635	584	471	305	111	2.06	0	0	0	0	0	0	162	635	0
23	0	0	0	0	0	0	0	12.4	113	245	326	384	404	506	423	198	51.9	2.16	0	0	0	0	0	0	111	506	0
24	0	0	0	0	0	0	0	26.4	203	388	529	608	625	568	457	313	91	7.52	0	0	0	0	0	0	159	625	0
25	0	0	0	0	0	0	0	22.1	164	388	562	623	482	320	230	141	91.3	5.6	0	0	0	0	0	0	126	623	0
26	0	0	0	0	0	0	0	23.7	198	390	533	611	628	512	442	216	87.4	5.19	0	0	0	0	0	0	152	628	0
27	0	0	0	0	0	0	0	11.1	105	340	547	592	536	523	438	248	88.3	1.71	0	0	0	0	0	0	143	592	0
28	0	0	0	0	0	0	0	27.7	209	400	546	631	648	596	479	313	119	2.01	0	0	0	0	0	0	165	648	0
29	0	0	0	0	0	0	0	26.2	206	396	542	626	640	589	481	313	122	2.2	0	0	0	0	0	0	164	640	0
30	0	0	0	0	0	0	0	26.3	205	392	539	625	644	595	485	320	125	2.2	0	0	0	0	0	0	165	644	0
31	0	0	0	0	0	0	0	14	123	244	343	451	392	344	349	192	67.6	3.29	0	0	0	0	0	0	105	451	0
Avg	0	0	0	0.0116	0	0.009	0.0074	24.1	172	353	472	532	533	475	385	253	87.4	2.28	0	0	0	0	0	0	137	--	--
Max	0	0	0	0.358	0.0018	0.278	0.228	54.1	257	446	582	720	736	628	485	341	133	7.52	0	0	0	0	0	0	--	736	--
Min	0	0	0	0	0	0	0	2.81	23.6	72.2	96	67.5	96.6	86	59.5	106	24.8	0.421	0	0	0	0	0	0	--	--	0

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, Temp_2m_C"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	19.8	19.8	20.4	19.1	18.3	18.3	18.1	19.4	22.1	23.4	24.5	25.5	26.3	27.0	27.0	27.3	27.2	26.7	25.9	25.2	24.4	23.6	22.6	21.7	23.1	27.3	18.1
2	20.9	20.4	20.1	20.1	19.8	19.8	19.9	20.3	21.0	21.9	22.6	23.6	24.4	25.2	25.6	25.5	24.8	23.7	22.5	21.9	21.1	19.4	19.6	17.9	21.7	25.6	17.9
3	18.0	18.2	17.6	17.4	17.2	17.0	17.0	19.1	21.1	23.2	24.7	26.1	27.3	28.0	28.5	28.9	28.5	27.2	26.1	25.5	24.8	24.1	23.5	21.3	22.9	28.9	17.0
4	21.2	21.3	21.1	20.7	20.6	20.1	19.3	20.6	24.5	27.1	28.0	29.4	29.9	30.6	30.6	30.0	29.3	27.9	26.9	26.1	24.6	24.5	24.1	24.2	25.1	30.6	19.3
5	24.4	23.9	23.6	23.1	23.2	23.1	22.8	24.2	25.8	27.5	28.0	28.9	29.6	30.1	29.9	29.6	28.9	27.6	26.7	26.2	25.6	25.3	25.0	24.1	26.1	30.1	22.8
6	22.9	22.8	21.2	21.9	22.3	21.2	19.8	21.1	23.5	24.7	25.6	26.6	27.0	27.5	27.8	27.5	26.9	25.5	24.5	24.0	23.5	23.6	20.3	19.6	23.8	27.8	19.6
7	19.8	20.4	19.3	19.0	19.1	18.9	18.8	20.0	21.7	23.4	24.6	26.2	27.5	28.3	28.6	28.6	27.9	26.0	24.5	23.7	22.5	20.8	20.3	19.8	22.9	28.6	18.8
8	19.2	18.6	17.8	16.9	16.8	15.8	15.8	17.7	20.9	23.0	24.4	25.6	26.0	26.7	27.0	26.8	26.3	25.4	24.2	23.2	22.9	22.8	21.9	20.7	21.9	27.0	15.8
9	19.7	19.0	18.4	17.9	17.5	17.2	16.9	17.4	18.4	19.4	20.5	21.7	22.4	23.0	23.1	23.6	22.9	21.3	20.0	18.4	16.9	16.2	15.8	15.3	19.3	23.6	15.3
10	14.9	14.4	14.2	14.2	13.9	13.5	13.3	14.6	15.9	17.8	20.1	22.1	23.5	24.3	24.5	24.7	24.4	23.3	21.1	20.2	19.7	19.3	18.6	18.0	18.8	24.7	13.3
11	17.3	16.9	16.4	16.1	15.9	15.6	15.4	16.9	19.0	21.0	23.5	25.7	27.4	28.2	28.5	28.1	27.4	26.3	25.4	24.9	24.2	22.1	20.9	21.0	21.8	28.5	15.4
12	20.6	20.1	19.8	19.5	19.2	18.7	18.1	19.1	21.9	24.4	25.1	26.2	26.6	27.1	27.0	27.2	26.7	25.5	24.5	22.8	21.2	21.0	21.1	20.6	22.7	27.2	18.1
13	20.2	20.4	19.5	19.4	19.0	18.6	18.3	19.7	22.7	25.2	26.5	26.9	27.0	27.8	27.4	27.1	26.6	25.4	24.3	22.8	21.4	21.1	20.7	20.7	22.9	27.8	18.3
14	19.4	19.0	19.1	18.7	18.5	18.5	18.0	18.5	21.8	23.5	24.3	25.6	26.2	26.8	27.0	27.1	26.4	24.7	23.7	23.0	21.3	20.3	20.8	22.1	22.3	27.1	18.0
15	21.3	20.7	20.3	19.9	19.3	18.9	18.6	19.1	20.3	22.2	23.6	25.6	27.8	28.9	29.2	29.2	28.7	26.8	25.2	23.8	23.1	22.6	21.7	20.9	23.2	29.2	18.6
16	20.1	19.1	18.9	18.4	18.0	17.9	17.7	18.9	21.1	22.7	24.0	25.4	26.6	27.5	28.2	28.4	27.5	25.5	24.1	23.2	22.4	21.9	21.6	21.3	22.5	28.4	17.7
17	21.1	20.9	20.6	20.6	20.2	19.8	19.7	20.8	22.5	24.4	25.9	27.7	29.0	29.5	29.5	29.1	28.2	27.2	26.0	24.9	23.9	23.0	22.3	21.1	24.1	29.5	19.7
18	21.1	20.8	20.5	20.7	20.0	19.6	19.1	19.2	23.3	25.7	26.3	27.6	28.4	28.7	28.3	28.2	27.0	25.9	25.2	24.5	23.0	23.0	23.0	23.2	23.8	28.7	19.1
19	22.7	21.6	21.0	20.9	20.1	20.2	19.5	21.0	22.1	23.0	23.9	23.4	25.5	26.3	26.7	26.2	26.1	25.1	23.9	23.3	22.5	21.6	20.1	20.1	22.8	26.7	19.5
20	19.1	18.2	18.0	19.0	17.2	16.7	16.5	17.5	20.2	21.1	22.7	23.8	23.8	23.8	24.0	23.8	23.1	22.1	20.3	19.3	18.6	17.8	17.4	16.8	20.0	24.0	16.5
21	15.9	15.1	14.6	14.0	13.5	14.0	12.9	13.3	16.2	16.7	17.7	18.6	20.0	20.7	21.3	21.1	20.5	19.5	18.8	18.3	17.2	15.9	16.2	16.1	17.0	21.3	12.9
22	16.2	15.0	14.9	15.5	16.2	16.2	15.9	18.0	19.5	20.8	22.0	23.7	25.2	26.3	26.9	27.2	26.5	24.7	23.3	21.0	20.8	20.2	19.9	19.8	20.7	27.2	14.9
23	19.4	19.3	22.2	22.4	21.4	18.4	18.0	19.5	21.6	23.7	25.6	28.0	29.6	30.4	29.6	29.4	28.5	27.2	25.8	23.8	23.7	23.5	24.4	24.0	24.1	30.4	18.0
24	23.5	23.3	22.8	22.1	21.1	20.5	19.9	20.4	21.2	22.1	24.2	25.1	26.0	26.7	26.8	26.7	26.1	24.1	22.3	21.5	21.4	20.9	20.1	19.3	22.8	26.8	19.3
25	18.9	18.4	18.2	17.5	17.2	16.9	16.4	17.7	19.2	20.6	22.5	24.1	25.0	26.0	26.6	26.6	25.8	23.6	22.1	21.0	19.9	19.2	18.2	18.1	20.8	26.6	16.4
26	17.9	17.4	17.2	16.9	17.2	16.5	15.6	16.6	19.9	22.8	23.3	24.5	24.9	25.0	25.2	24.9	24.3	23.2	22.3	21.8	21.9	21.7	21.4	21.2	21.0	25.2	15.6
27	20.4	18.1	17.2	15.6	16.1	16.6	16.1	17.7	19.6	20.7	22.4	23.8	25.0	25.4	25.7	25.4	24.5	23.0	21.9	21.3	19.4	18.5	17.8	17.4	20.4	25.7	15.6
28	17.4	17.8	16.1	14.8	14.5	14.2	13.9	15.1	16.8	18.4	20.1	21.7	23.5	24.5	25.3	25.4	24.7	23.2	22.2	20.3	19.3	18.8	18.4	17.8	19.3	25.4	13.9
29	17.9	17.4	16.7	16.5	16.5	15.8	15.2	15.7	17.4	19.4	21.5	23.6	25.1	25.5	25.7	25.5	25.0	23.6	22.2	21.6	21.1	20.3	18.6	18.4	20.3	25.7	15.2
30	17.6	17.4	16.7	17.0	16.5	16.6	15.7	16.4	18.7	20.0	19.9	20.0	20.6	22.6	23.0	22.5	21.7	21.1	19.8	18.6	19.7	18.1	16.9	16.5	18.9	23.0	15.7
31	17.2	15.7	14.1	13.2	13.1	13.4	13.0	14.0	16.1	17.8	18.7	19.8	20.2	19.6	19.6	19.2	18.6	17.9	17.2	15.8	15.5	14.9	14.7	14.9	16.4	20.2	13.0
Avg	19.6	19.1	18.7	18.4	18.1	17.7	17.3	18.4	20.5	22.2	23.4	24.7	25.7	26.4	26.6	26.5	25.8	24.5	23.3	22.3	21.5	20.8	20.3	19.8	21.7	--	--
Max	24.4	23.9	23.6	23.1	23.2	23.1	22.8	24.2	25.8	27.5	28.0	29.4	29.9	30.6	30.6	30.0	29.3	27.9	26.9	26.2	25.6	25.3	25.0	24.2	--	30.6	--
Min	14.9	14.4	14.1	13.2	13.1	13.4	12.9	13.3	15.9	16.7	17.7	18.6	20.0	19.6	19.6	19.2	18.6	17.9	17.2	15.8	15.5	14.9	14.7	14.9	--	--	12.9

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, Temp_2m_C"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	14.6	14.4	14.5	14.4	13.1	13.0	12.7	13.6	16.1	18.7	19.2	19.8	20.1	20.9	20.9	20.5	19.6	18.6	18.1	17.8	17.4	17.0	16.2	15.6	17.0	20.9	12.7
2	14.7	13.4	13.2	12.3	12.2	12.0	12.3	13.0	15.4	17.3	18.2	19.0	19.4	20.0	20.4	19.7	18.9	17.8	17.1	16.0	15.2	15.0	14.9	15.8	16.0	20.4	12.0
3	15.4	15.0	14.7	13.6	13.2	13.1	12.9	13.9	15.8	17.6	19.0	19.8	20.6	20.9	21.3	20.9	19.7	19.0	17.8	17.2	17.5	17.9	17.9	17.0	17.2	21.3	12.9
4	17.8	17.3	17.3	17.4	17.0	16.9	16.9	16.8	19.5	19.7	19.6	19.5	20.1	20.4	20.4	20.5	20.1	19.6	19.1	18.7	17.8	17.2	16.9	16.6	18.5	20.5	16.6
5	16.3	15.8	15.4	15.1	14.8	14.5	13.6	14.0	14.8	15.3	16.5	18.1	18.8	19.1	19.5	18.5	17.6	16.9	16.4	15.9	15.8	15.5	15.2	15.1	16.2	19.5	13.6
6	14.7	14.1	12.4	12.4	12.1	12.1	12.0	12.4	13.6	16.1	17.6	18.5	19.4	20.2	20.5	20.5	19.3	18.2	17.6	17.2	17.6	17.7	17.7	17.3	16.3	20.5	12.0
7	17.0	16.6	15.9	14.8	15.9	15.7	14.9	14.8	15.7	17.2	18.5	18.8	19.2	19.6	19.5	19.1	18.5	17.9	17.4	17.0	16.6	16.3	16.4	15.4	17.0	19.6	14.8
8	16.2	15.7	13.5	12.6	11.8	11.7	11.4	12.1	14.9	17.5	19.0	19.2	19.5	19.9	20.5	20.2	19.8	18.9	18.2	17.0	15.7	15.8	16.8	15.1	16.4	20.5	11.4
9	14.6	15.0	15.7	15.6	15.3	14.5	14.2	15.1	17.3	19.3	20.8	22.1	22.8	23.5	23.8	23.6	22.1	20.6	19.8	18.5	17.3	16.5	16.5	16.2	18.4	23.8	14.2
10	16.5	15.5	15.2	13.8	13.7	13.5	13.7	14.6	17.7	19.9	21.4	22.5	22.6	23.1	23.4	22.9	22.0	20.6	19.6	18.9	18.4	18.6	18.7	18.3	18.5	23.4	13.5
11	16.9	15.6	15.2	15.1	14.5	14.1	13.8	13.8	17.0	19.8	20.5	21.2	22.2	22.9	23.2	22.8	21.9	20.5	19.8	17.4	17.0	16.1	15.9	16.2	18.1	23.2	13.8
12	16.2	14.8	13.4	13.3	13.1	12.6	12.2	13.9	16.9	19.4	22.5	23.7	24.7	24.8	25.1	24.4	23.5	22.2	20.4	19.4	19.4	18.5	18.8	18.4	18.8	25.1	12.2
13	18.3	18.9	17.7	18.1	17.3	16.5	17.0	16.3	18.4	21.8	23.7	24.0	24.1	24.7	24.2	24.0	23.5	22.3	21.4	19.8	19.2	18.7	18.4	18.4	20.3	24.7	16.3
14	17.9	17.8	17.4	16.4	16.9	16.4	15.8	16.3	18.9	21.2	22.8	23.0	23.8	24.2	24.2	23.5	22.4	20.7	19.7	18.0	17.2	17.0	16.7	16.3	19.3	24.2	15.8
15	15.9	15.6	15.6	15.0	13.5	13.3	12.8	14.1	16.5	19.7	21.7	22.7	24.1	24.4	23.8	23.3	22.1	20.5	19.5	19.2	18.4	19.4	19.9	17.3	18.7	24.4	12.8
16	17.1	16.6	16.1	14.7	14.1	14.2	15.2	16.3	18.4	20.6	22.8	23.5	23.8	24.4	25.3	24.1	22.8	21.4	20.3	18.4	17.9	17.6	18.3	17.3	19.2	25.3	14.1
17	16.4	16.5	15.7	15.6	15.0	14.7	14.6	15.1	17.4	19.1	20.1	20.4	20.3	20.1	19.9	19.1	18.4	18.0	17.5	17.3	17.3	17.0	16.6	16.2	17.4	20.4	14.6
18	15.7	15.2	13.9	12.6	11.8	11.9	11.4	10.8	11.4	12.6	14.1	15.5	17.0	17.8	17.9	17.8	16.7	15.3	14.0	13.6	12.5	11.1	10.6	10.8	13.8	17.9	10.6
19	10.6	11.3	11.8	11.2	10.8	11.1	10.7	10.4	11.6	13.5	14.9	16.3	17.7	18.1	18.8	18.2	16.9	15.4	14.6	13.9	14.1	13.5	12.7	12.4	13.8	18.8	10.4
20	12.4	12.0	11.7	11.8	11.7	11.7	11.0	11.2	13.2	14.7	16.2	18.3	19.2	19.6	19.5	19.3	18.4	17.3	16.5	14.9	15.9	13.8	13.8	13.5	14.9	19.6	11.0
21	13.1	12.8	11.7	11.9	11.0	11.1	11.2	12.1	15.5	18.4	19.7	21.0	22.3	23.2	21.9	20.4	19.6	18.8	19.2	19.3	19.7	19.1	19.0	18.5	17.1	23.2	11.0
22	18.1	18.2	17.7	16.8	15.9	15.5	15.5	15.6	16.8	18.3	19.3	20.6	21.9	23.3	23.6	23.5	21.8	20.0	18.6	18.2	18.2	17.6	17.9	19.0	18.8	23.6	15.5
23	18.7	18.2	17.9	18.0	18.2	18.2	17.9	18.0	19.2	19.8	21.0	23.0	24.7	26.2	25.9	24.6	23.6	21.9	20.7	19.6	18.6	17.9	18.0	18.1	20.3	26.2	17.9
24	18.6	16.7	15.5	15.6	15.0	14.6	14.0	14.2	17.5	20.4	22.8	23.0	23.8	23.8	24.0	23.7	22.5	21.2	20.4	19.5	17.0	17.1	16.7	17.0	18.9	24.0	14.0
25	16.1	15.8	15.9	15.7	14.8	14.8	13.8	14.5	17.3	20.5	22.8	24.7	24.3	24.3	23.9	23.5	22.6	21.3	19.4	18.6	18.4	18.0	17.7	16.3	19.0	24.7	13.8
26	17.0	18.1	18.3	17.2	16.5	16.8	17.9	17.9	19.5	20.8	22.3	24.2	26.3	27.5	27.5	27.2	25.5	22.2	20.5	19.0	18.0	18.5	17.4	16.6	20.5	27.5	16.5
27	16.7	15.8	16.1	16.2	15.1	14.7	15.4	16.2	18.9	20.8	21.8	22.7	24.2	24.7	23.8	21.8	20.5	19.7	18.9	17.9	17.4	16.6	14.6	12.9	18.5	24.7	12.9
28	12.9	13.0	12.0	10.7	9.0	8.4	7.9	8.6	11.8	14.4	15.9	17.5	18.4	18.9	19.9	18.9	18.0	16.5	15.2	14.8	14.9	14.4	14.2	14.1	14.2	19.9	7.9
29	13.8	14.3	14.5	14.1	13.5	13.0	12.8	12.6	13.3	14.4	15.5	17.9	18.3	18.6	18.8	18.4	17.2	16.2	16.0	15.8	15.9	16.0	15.8	15.6	15.5	18.8	12.6
30	15.7	15.8	15.7	15.5	15.4	15.2	15.2	15.0	15.1	16.0	17.3	18.4	19.5	20.5	20.2	20.3	19.2	17.2	16.5	16.7	16.1	16.1	16.1	15.9	16.9	20.5	15.0
Avg	15.9	15.5	15.1	14.6	14.1	13.9	13.7	14.1	16.2	18.2	19.6	20.6	21.4	22.0	22.1	21.5	20.5	19.2	18.3	17.5	17.1	16.7	16.5	16.1	17.5	--	--
Max	18.7	18.9	18.3	18.1	18.2	18.2	17.9	18.0	19.5	21.8	23.7	24.7	26.3	27.5	27.5	27.2	25.5	22.3	21.4	19.8	19.7	19.4	19.9	19.0	--	27.5	--
Min	10.6	11.3	11.7	10.7	9.0	8.4	7.9	8.6	11.4	12.6	14.1	15.5	17.0	17.8	17.9	17.8	16.7	15.3	14.0	13.6	12.5	11.1	10.6	10.8	--	--	7.9

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, Temp_2m_C"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	16.0	16.2	16.1	15.9	15.4	15.5	15.4	15.2	15.6	16.3	16.9	16.3	15.8	17.1	17.7	18.0	17.2	16.3	15.8	15.2	14.6	15.4	14.3	14.2	15.9	18.0	14.2
2	14.0	14.4	15.0	14.3	14.2	14.5	15.4	15.4	15.4	18.1	19.6	20.1	21.2	21.3	21.4	21.2	20.4	18.9	17.0	17.0	16.9	16.9	18.1	17.9	17.4	21.4	14.0
3	17.7	16.1	15.0	14.4	14.1	13.6	13.3	13.1	14.8	17.3	18.3	18.6	19.3	19.6	19.4	18.5	18.1	17.1	16.7	15.0	14.7	14.9	15.4	15.4	16.3	19.6	13.1
4	14.9	14.5	14.0	13.5	12.2	11.5	10.9	11.1	11.3	14.1	15.4	15.8	16.5	16.5	16.2	15.0	14.1	13.2	12.5	12.1	11.4	10.0	9.6	9.4	13.1	16.5	9.4
5	8.4	8.3	8.2	8.5	8.6	8.5	8.5	8.3	8.2	8.5	9.4	9.6	9.5	10.2	10.0	10.6	10.7	10.4	10.4	10.5	10.2	10.4	10.3	9.8	9.4	10.7	8.2
6	9.5	8.9	8.8	8.8	8.4	7.9	7.8	7.4	8.5	10.0	11.0	12.6	13.9	14.9	15.1	15.0	14.5	13.2	11.9	10.9	10.8	10.1	9.4	8.7	10.7	15.1	7.4
7	8.0	7.0	6.0	5.2	4.4	3.6	3.2	2.7	3.0	3.7	5.1	6.7	7.5	8.3	9.0	8.9	8.2	7.3	6.7	6.3	6.2	6.3	6.0	5.7	6.0	9.0	2.7
8	4.9	4.5	4.5	4.9	4.8	4.6	4.5	4.3	6.0	8.0	9.6	11.3	12.8	13.5	14.0	13.4	12.0	10.6	9.4	8.0	7.8	8.5	9.6	9.7	8.4	14.0	4.3
9	9.1	8.8	8.9	9.3	9.5	8.8	7.9	8.1	9.5	10.2	11.5	13.3	15.0	16.4	16.8	16.5	14.7	12.7	12.6	12.8	12.5	12.6	11.9	11.6	11.7	16.8	7.9
10	11.8	11.1	11.0	10.8	10.5	10.6	10.5	10.6	11.6	13.2	14.5	16.0	17.3	17.3	17.3	16.8	15.7	14.5	13.3	13.2	13.4	12.6	12.6	12.5	13.3	17.3	10.5
11	12.0	11.7	11.5	11.2	10.9	10.5	10.7	10.9	11.6	12.6	13.5	15.5	17.8	18.3	17.7	17.6	16.7	15.1	13.5	12.3	13.1	12.9	12.6	12.5	13.4	18.3	10.5
12	12.3	11.3	9.9	10.2	10.8	10.6	10.2	10.0	10.8	13.1	15.0	16.2	16.0	16.4	15.5	15.6	15.3	14.3	14.4	14.4	13.9	13.1	12.0	11.4	13.0	16.4	9.9
13	11.1	10.6	10.2	10.6	10.3	9.9	9.7	9.7	11.0	12.8	14.7	16.0	17.0	18.0	18.9	18.8	17.4	15.7	14.1	12.8	12.5	11.9	12.1	10.6	13.2	18.9	9.7
14	10.6	10.3	10.2	9.4	8.8	9.1	8.4	7.9	7.4	11.0	12.9	13.7	15.0	15.5	15.3	14.6	13.6	12.6	12.0	11.7	11.1	11.0	10.6	10.3	11.4	15.5	7.4
15	9.6	8.7	8.7	7.4	7.2	6.4	6.6	6.7	7.7	9.1	10.5	11.9	13.2	13.9	14.7	15.0	13.5	11.4	10.4	9.0	8.9	8.2	7.5	7.8	9.8	15.0	6.4
16	7.3	6.9	6.2	6.0	5.9	5.6	5.7	5.3	5.8	7.2	8.8	9.1	10.1	10.9	11.5	12.8	11.7	10.6	9.7	8.8	8.7	7.9	8.4	8.7	8.3	12.8	5.3
17	8.8	8.9	7.5	6.4	5.0	4.9	5.0	4.4	4.4	5.2	5.9	6.3	6.6	7.0	7.3	8.7	8.3	6.9	6.2	5.9	5.8	6.2	5.8	5.8	6.4	8.9	4.4
18	5.6	5.3	4.6	4.8	4.9	5.7	3.9	3.1	5.2	8.6	9.8	11.2	11.9	11.9	12.0	11.4	10.5	9.3	8.7	7.7	7.0	6.7	6.1	5.9	7.6	12.0	3.1
19	5.7	5.9	5.4	4.7	4.8	4.9	4.9	4.1	5.3	7.9	10.0	11.0	11.4	11.7	11.7	11.4	10.5	9.3	8.6	7.2	6.3	6.1	6.2	6.2	7.6	11.7	4.1
20	5.9	5.8	5.0	5.3	4.1	3.8	3.9	3.3	5.6	9.2	10.9	12.3	13.3	14.3	14.7	14.4	13.4	12.0	10.7	11.3	11.4	11.1	11.1	10.7	9.3	14.7	3.3
21	11.0	10.8	10.4	9.2	6.2	5.3	4.6	3.8	2.9	3.5	4.8	5.5	5.6	5.6	5.9	5.5	3.9	2.8	2.5	2.0	1.8	0.6	-0.2	0.0	4.7	11.0	-0.2
22	-0.8	-1.0	-0.6	-0.9	-1.1	-1.9	-1.4	-0.6	1.3	3.5	5.1	5.9	6.8	7.4	7.3	7.4	6.6	5.6	4.8	4.1	4.0	4.3	4.8	4.1	3.1	7.4	-1.9
23	4.5	3.9	3.4	4.1	3.8	4.7	4.7	5.2	5.6	6.9	7.7	9.1	10.8	13.2	14.5	13.0	11.2	9.6	8.7	8.5	8.1	8.1	7.9	8.4	7.7	14.5	3.4
24	7.9	7.6	7.5	7.7	6.7	7.0	7.2	6.6	8.7	12.0	14.8	17.3	18.3	18.6	18.6	18.7	16.3	15.1	13.8	14.2	13.2	12.3	12.0	11.3	12.2	18.7	6.6
25	11.5	11.4	11.5	9.9	9.9	9.2	9.8	10.1	10.4	12.9	15.5	16.8	16.6	16.4	15.8	15.5	15.2	13.9	13.0	11.7	11.2	11.2	10.9	10.6	12.5	16.8	9.2
26	10.5	10.4	10.4	10.2	10.0	10.0	8.2	8.9	9.6	12.9	15.3	16.3	16.7	17.3	16.9	16.2	15.4	14.1	13.3	12.4	12.0	11.5	11.3	10.2	12.5	17.3	8.2
27	10.4	10.5	10.4	10.6	10.2	9.7	10.0	10.2	11.3	14.0	16.8	17.8	18.5	19.7	20.3	19.7	18.3	15.7	13.1	12.3	13.7	14.3	13.8	12.7	13.9	20.3	9.7
28	12.5	12.5	11.7	11.1	9.7	9.7	9.0	8.7	11.1	15.9	17.3	18.6	20.2	21.9	22.0	20.7	19.6	17.7	16.0	15.7	15.4	15.3	13.2	13.7	15.0	22.0	8.7
29	13.6	12.2	12.2	11.6	11.5	10.8	9.8	9.7	13.1	15.7	18.1	20.5	21.4	22.2	21.8	21.7	20.5	19.0	16.8	15.8	15.8	15.0	14.0	13.3	15.7	22.2	9.7
30	12.7	12.7	10.8	10.6	10.0	9.5	9.4	10.4	12.3	15.7	18.3	19.9	20.8	21.4	21.3	20.2	19.4	17.8	16.4	16.2	15.6	13.9	13.5	13.0	15.1	21.4	9.4
31	12.2	12.2	11.8	11.6	10.8	10.4	9.5	9.2	10.0	12.4	15.4	17.1	17.2	17.3	17.5	17.2	16.4	15.2	14.2	12.5	13.2	12.5	12.3	12.4	13.4	17.5	9.2
Avg	10.0	9.6	9.2	8.9	8.5	8.2	8.0	7.9	8.9	11.0	12.7	13.8	14.6	15.3	15.4	15.2	14.2	12.8	11.8	11.2	11.0	10.7	10.4	10.1	11.2	--	--
Max	17.7	16.2	16.1	15.9	15.4	15.5	15.4	15.4	15.6	18.1	19.6	20.5	21.4	22.2	22.0	21.7	20.5	19.0	17.0	17.0	16.9	16.9	18.1	17.9	--	22.2	--
Min	-0.8	-1.0	-0.6	-0.9	-1.1	-1.9	-1.4	-0.6	1.3	3.5	4.8	5.5	5.6	5.6	5.9	5.5	3.9	2.8	2.5	2.0	1.8	0.6	-0.2	0.0	--	--	-1.9

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, WD_10m"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	161	175	207	156	171	184	148	139	201	197	216	232	230	214	223	209	229	199	216	213	213	209	214	221	200	232	139
2	204	197	200	200	204	204	200	221	219	218	225	213	201	213	209	196	179	208	184	303	334	178	233	154	208	334	154
3	95	176	106	148	167	118	74	61	109	131	135	149	197	199	195	190	201	212	222	225	246	237	230	160	169	246	61
4	181	145	117	164	188	--	166	122	103	108	127	134	147	180	243	243	210	256	259	263	138	163	126	160	167	263	103
5	137	133	121	112	164	180	150	101	104	116	248	248	271	268	235	225	262	225	275	269	273	295	284	256	216	295	101
6	261	246	95	285	271	241	174	83	254	234	244	265	243	257	230	216	237	265	270	274	276	301	158	99	246	301	83
7	94	42	49	42	36	38	39	40	46	48	54	44	28	52	183	224	227	255	266	275	290	220	86	129	44	290	28
8	157	170	172	167	154	152	142	145	112	113	233	215	211	215	201	223	206	174	156	93	183	198	214	215	177	233	93
9	197	201	233	228	224	230	223	203	261	277	229	216	224	250	256	290	43	37	37	38	38	37	36	35	251	290	35
10	35	37	40	43	47	61	73	52	55	48	51	82	104	100	115	110	115	97	52	57	68	64	58	54	67	115	35
11	52	52	55	54	65	79	84	69	67	56	72	100	130	213	246	236	210	159	171	234	250	190	199	189	124	250	52
12	167	170	126	197	153	159	138	117	105	143	197	214	251	237	241	262	219	283	305	197	177	175	173	186	188	305	105
13	172	177	190	178	171	152	143	138	106	120	95	234	272	214	245	272	246	190	238	253	147	105	125	--	180	272	95
14	162	180	184	116	159	164	98	146	139	302	245	225	258	230	229	234	243	254	266	277	156	173	90	37	197	302	37
15	32	35	35	35	40	42	47	56	57	51	47	45	67	83	73	38	22	24	53	81	75	49	44	47	49	83	22
16	59	61	55	61	60	58	52	57	54	52	51	48	52	45	45	51	35	35	42	56	86	80	76	66	56	86	35
17	53	51	52	50	55	53	52	53	52	44	43	50	90	130	153	201	267	181	215	248	184	180	122	175	94	267	43
18	158	197	187	163	167	188	185	172	141	217	258	238	236	255	248	248	237	261	267	283	173	196	258	201	214	283	141
19	172	165	114	151	152	143	127	95	92	111	108	135	153	266	213	181	192	185	207	238	139	203	131	192	159	266	92
20	157	184	78	252	156	149	87	99	73	200	187	205	209	203	209	207	206	200	248	312	230	325	316	69	191	325	69
21	210	276	235	70	110	247	7	157	114	260	263	264	264	257	265	267	255	277	270	269	290	177	117	128	244	290	7
22	120	80	68	103	88	90	106	52	56	57	50	44	45	30	56	41	274	271	274	174	130	76	81	98	73	274	30
23	105	113	45	40	52	124	103	92	91	77	66	48	40	308	255	256	265	262	302	76	81	90	40	41	63	308	40
24	39	33	31	37	40	39	47	51	52	46	48	48	48	47	47	49	50	51	54	51	65	55	48	46	47	65	31
25	49	49	47	49	49	50	51	54	58	54	69	103	100	78	64	77	44	42	66	100	136	142	155	149	74	155	42
26	150	161	149	152	175	158	168	149	111	148	240	239	275	270	204	228	244	258	286	271	281	223	258	264	213	286	111
27	299	105	146	116	115	116	110	73	61	75	63	49	51	31	318	231	249	268	265	270	160	147	117	136	105	318	31
28	119	51	70	56	50	60	92	77	60	59	62	67	58	42	44	66	208	239	272	142	169	131	113	92	81	272	42
29	88	98	108	58	56	62	48	59	57	53	48	51	95	292	257	255	237	203	227	252	269	291	173	178	83	292	48
30	193	142	63	190	149	199	112	82	147	195	209	197	181	191	191	192	204	89	166	173	196	155	82	157	165	209	63
31	194	169	136	112	78	74	61	90	70	124	148	196	197	230	292	270	157	217	275	150	206	172	193	160	163	292	61
Avg	136	133	106	112	118	124	104	95	89	100	120	158	175	229	225	227	226	229	254	244	182	166	132	137	147	--	--
Max	299	276	235	285	271	247	223	221	261	302	263	265	275	308	318	290	274	283	305	312	334	325	316	264	--	334	--
Min	32	33	31	35	36	38	7	40	46	44	43	44	28	30	44	38	22	24	37	38	38	37	36	35	--	--	7

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, WD_10m"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	188	174	178	170	160	156	138	139	102	114	197	204	236	223	231	200	230	159	186	203	219	223	258	263	191	263	102
2	293	121	191	152	161	154	159	166	110	107	193	185	197	197	197	246	222	190	230	200	182	158	190	202	183	293	107
3	203	205	195	78	102	139	122	117	94	112	196	188	197	231	203	206	235	271	113	143	169	156	148	127	164	271	78
4	106	148	106	132	134	137	134	155	198	211	219	214	222	206	216	232	180	220	218	217	239	271	291	280	196	291	106
5	272	240	265	248	228	231	255	240	243	252	255	229	227	243	233	211	223	232	221	217	246	284	287	267	243	287	211
6	236	190	112	108	144	212	160	151	126	108	235	258	226	212	230	217	217	176	220	255	224	181	218	215	197	258	108
7	214	241	345	79	355	21	112	144	138	120	158	258	273	233	214	340	207	217	233	149	42	196	215	151	193	355	21
8	205	222	256	124	103	198	172	139	106	53	41	251	244	256	246	274	255	274	270	223	134	172	243	173	210	274	41
9	140	108	92	104	84	103	82	77	75	90	125	117	149	131	148	235	258	260	269	301	161	169	184	171	134	301	75
10	179	161	148	155	152	140	119	116	84	91	128	198	255	266	235	225	213	219	250	265	282	283	278	285	200	285	84
11	165	138	192	192	154	168	152	140	136	106	253	271	285	220	225	243	232	257	270	180	189	181	207	181	196	285	106
12	169	168	181	141	136	142	152	123	100	65	53	122	144	123	145	254	270	267	317	187	194	164	166	150	154	317	53
13	157	278	177	186	176	158	188	145	109	115	127	156	269	254	258	271	267	269	279	130	184	127	195	142	188	279	109
14	172	151	151	168	180	160	152	147	144	121	156	257	245	233	224	240	236	261	270	140	192	170	170	155	184	270	121
15	180	158	169	170	174	154	143	88	123	115	117	116	130	199	200	228	251	255	269	262	318	287	304	199	184	318	88
16	151	187	163	152	140	129	131	131	120	96	117	268	271	251	229	229	233	223	259	204	212	165	217	6	185	271	6
17	130	202	144	115	132	179	157	192	130	119	216	172	216	197	218	97	122	144	58	70	214	255	285	299	165	299	58
18	290	324	72	201	131	43	38	36	35	37	41	43	44	45	46	39	39	50	55	54	71	153	112	91	54	324	35
19	87	72	57	54	57	51	48	46	48	47	45	42	43	42	45	35	36	38	44	60	52	67	74	91	53	91	35
20	85	89	77	56	52	57	65	67	67	57	53	56	123	290	241	253	255	267	278	273	282	161	182	182	74	290	52
21	125	190	200	195	169	144	131	104	89	45	63	56	42	43	261	265	264	261	64	47	46	52	39	45	87	265	39
22	61	52	55	54	51	50	46	46	44	48	51	54	48	69	56	76	43	46	47	57	60	76	92	46	55	92	43
23	47	46	45	42	45	42	39	55	56	70	65	57	50	39	312	264	262	265	100	159	177	172	181	190	63	312	39
24	180	173	178	158	131	125	152	144	125	115	124	253	235	255	230	229	253	252	276	277	204	160	182	170	189	277	115
25	135	166	197	184	190	159	117	135	130	102	85	121	259	260	263	264	266	272	174	187	171	174	142	170	176	272	85
26	141	113	101	85	110	98	86	85	64	57	50	45	46	91	151	178	172	141	129	146	145	132	163	161	113	178	45
27	137	149	136	138	148	146	126	127	152	110	111	130	182	209	205	103	196	225	204	166	194	156	280	288	161	288	103
28	288	293	266	248	126	166	142	119	89	74	93	49	55	51	201	252	120	109	103	122	109	122	123	124	118	293	49
29	119	84	86	83	79	70	64	63	52	52	51	52	44	43	47	50	53	80	94	84	77	69	55	72	67	119	43
30	82	75	69	75	75	72	68	58	60	51	67	71	58	245	309	25	177	91	103	89	57	80	94	85	73	309	25
Avg	157	158	144	134	128	130	122	116	101	89	109	145	215	224	223	240	229	231	226	172	177	163	191	166	154	--	--
Max	293	324	345	248	355	231	255	240	243	252	255	271	285	290	312	340	270	274	317	301	318	287	304	299	--	355	--
Min	47	46	45	42	45	21	38	36	35	37	41	42	42	39	45	25	36	38	44	47	42	52	39	6	--	--	6

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, WD_10m"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	70	62	71	69	77	79	83	73	83	105	85	85	115	93	78	79	126	110	187	174	157	187	162	153	104	187	62
2	124	151	146	156	128	102	102	169	113	104	108	73	43	38	47	65	139	92	129	132	71	128	189	199	115	199	38
3	216	87	48	177	175	175	175	184	141	111	217	248	228	222	220	228	223	216	254	119	156	185	215	255	194	255	48
4	13	267	263	251	313	244	305	260	157	124	176	252	231	215	207	224	206	191	229	254	258	108	225	181	230	313	13
5	170	121	126	94	83	54	57	82	66	62	54	48	44	54	55	57	47	45	48	50	53	51	54	65	66	170	44
6	57	54	48	54	62	64	45	53	52	48	49	47	47	47	46	54	32	37	41	39	34	42	49	49	48	64	32
7	44	43	44	41	43	51	46	50	53	50	41	48	43	47	45	49	46	51	51	44	43	41	39	44	46	53	39
8	65	103	101	102	105	96	131	53	57	64	62	59	40	39	15	275	271	271	270	112	111	145	98	115	82	275	15
9	89	80	80	69	50	62	73	51	43	48	48	50	49	72	71	83	66	64	69	102	82	50	55	61	65	102	43
10	54	55	48	53	46	53	55	54	54	55	50	70	105	118	93	66	62	53	70	73	63	59	51	50	62	118	46
11	56	69	64	57	57	58	54	61	44	46	52	49	49	38	38	40	43	74	88	118	103	54	52	44	58	118	38
12	52	89	97	102	66	68	62	70	71	45	59	110	112	107	77	49	49	68	52	81	59	44	47	44	70	112	44
13	48	55	49	49	45	63	63	52	56	70	56	46	40	41	60	234	247	267	275	149	160	143	286	199	60	286	40
14	194	187	161	159	179	145	172	118	147	113	54	44	51	44	29	33	33	29	35	44	67	124	109	94	95	194	29
15	73	51	46	48	53	63	56	49	54	54	46	37	36	37	62	81	53	53	75	97	72	72	82	69	59	97	36
16	77	79	79	56	53	55	58	79	85	96	108	102	112	113	131	186	141	113	144	153	183	131	82	43	101	186	43
17	116	147	123	87	107	60	48	44	45	54	47	46	53	108	116	105	101	66	55	51	47	43	77	62	74	147	43
18	54	77	107	84	66	61	95	126	101	64	71	83	349	247	224	254	240	260	274	154	197	207	183	195	131	349	54
19	163	178	166	179	175	190	186	165	148	116	237	236	243	260	211	232	244	231	259	163	140	152	167	154	191	260	116
20	199	164	140	168	141	127	157	156	150	114	121	126	101	140	220	233	222	228	234	197	202	211	202	195	173	234	101
21	190	210	215	223	131	96	117	182	208	217	207	199	196	122	187	244	233	191	216	230	267	119	165	178	192	267	96
22	126	71	186	197	174	83	82	134	149	96	43	307	262	253	260	263	265	268	284	345	241	73	79	97	172	345	43
23	121	100	105	109	103	82	81	82	84	70	70	68	68	70	54	63	97	151	177	184	179	179	180	166	107	184	54
24	175	176	161	152	127	135	143	134	109	101	101	95	64	229	224	177	267	186	126	217	81	164	159	156	150	267	64
25	140	146	181	157	153	137	167	204	162	131	118	142	255	238	246	218	128	200	213	157	151	187	143	180	171	255	118
26	165	166	182	163	156	177	163	157	135	128	117	249	248	230	243	233	242	265	314	189	164	168	169	143	185	314	117
27	134	113	102	92	91	104	82	105	126	101	47	50	44	40	353	193	51	120	171	154	118	90	83	117	97	353	40
28	106	100	107	125	133	139	127	135	111	86	68	49	38	65	316	258	266	357	109	89	88	75	90	83	92	357	38
29	101	142	128	128	130	128	131	133	105	70	81	62	62	208	252	253	266	284	90	172	172	189	186	168	142	284	62
30	184	183	180	144	143	168	155	133	119	106	101	107	104	242	248	260	264	268	247	270	246	121	174	178	178	270	101
31	156	187	157	168	146	148	136	138	141	143	126	138	263	266	254	249	261	258	133	169	179	158	156	184	174	266	126
Avg	112	114	116	116	105	100	100	107	101	87	80	73	61	90	78	211	207	147	141	134	126	120	125	126	107	--	--
Max	216	267	263	251	313	244	305	260	208	217	237	307	349	266	353	275	271	357	314	345	267	211	286	255	--	357	--
Min	13	43	44	41	43	51	45	44	43	45	41	37	36	37	15	33	32	29	35	39	34	41	39	43	--	--	13

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, WS_ms_10m"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.7	0.6	1.1	0.9	0.3	0.3	0.4	0.6	3.2	3.0	2.9	2.8	3.6	3.9	3.0	4.0	3.7	3.2	4.1	4.4	4.1	4.9	5.0	5.8	2.8	5.8	0.3
2	4.7	5.2	5.1	4.9	4.4	4.5	5.0	3.8	3.9	4.0	3.9	4.2	4.3	4.3	4.3	3.5	2.4	1.9	1.5	1.5	1.5	0.7	0.7	0.6	3.4	5.2	0.6
3	0.2	0.8	0.3	0.3	0.5	0.5	0.5	0.9	2.2	3.5	3.5	3.7	5.1	5.7	5.0	4.9	2.7	2.7	2.8	2.9	1.5	0.9	1.3	0.8	2.2	5.7	0.2
4	0.3	0.2	0.3	0.4	0.2	--	0.6	1.2	1.7	2.1	2.4	2.8	3.6	2.8	3.1	2.7	2.3	3.3	3.0	1.6	0.7	0.7	0.7	0.5	1.6	3.6	0.2
5	0.8	0.8	0.9	1.3	0.9	0.8	0.7	0.5	1.0	2.8	2.6	2.7	2.5	2.5	2.6	2.2	2.1	2.0	1.7	1.8	1.4	1.0	1.3	1.0	1.6	2.8	0.5
6	0.3	1.4	0.4	0.5	0.9	0.4	0.3	0.4	1.5	2.1	2.4	2.5	2.7	3.1	2.9	2.9	2.2	2.4	2.9	3.2	2.2	1.3	1.2	2.1	1.8	3.2	0.3
7	3.1	6.6	5.4	7.3	8.5	8.0	7.9	7.0	5.3	5.6	5.4	4.3	2.1	1.8	2.2	2.6	2.4	2.4	3.6	3.2	1.5	0.8	0.1	0.2	4.1	8.5	0.1
8	0.3	0.6	0.7	0.7	0.7	1.1	0.8	0.8	1.3	2.7	2.1	2.3	3.0	3.4	3.7	2.9	2.3	2.1	1.7	1.1	1.3	2.6	3.5	2.9	1.9	3.7	0.3
9	4.1	3.4	2.5	2.4	1.8	1.3	1.2	1.5	1.5	1.8	2.4	2.1	2.3	2.2	2.6	2.0	4.2	3.9	5.5	7.5	10.3	10.8	11.3	11.4	4.2	11.4	1.2
10	11.5	10.5	9.3	9.4	8.3	5.1	4.4	7.0	7.1	8.3	7.7	6.2	5.4	4.8	3.9	3.4	2.9	3.7	4.0	3.5	3.0	3.5	4.4	5.2	5.9	11.5	2.9
11	5.3	5.8	5.7	5.4	4.3	4.6	4.8	4.6	5.1	6.0	5.2	3.9	2.4	2.1	3.5	2.5	2.2	1.2	0.8	0.7	1.1	0.7	0.9	0.6	3.3	6.0	0.6
12	0.7	0.4	0.3	0.3	0.4	0.4	1.1	0.3	1.1	2.3	3.3	3.2	2.6	3.0	2.4	2.3	1.4	2.1	1.2	0.4	0.9	0.8	1.0	1.2	1.4	3.3	0.3
13	1.1	0.5	0.4	0.4	0.8	0.9	0.9	0.9	1.0	2.3	1.8	2.4	2.2	2.7	2.4	2.5	1.7	1.4	0.9	0.5	0.6	0.3	0.1	--	1.3	2.7	0.1
14	0.6	0.7	0.4	0.3	0.2	0.1	0.3	0.4	0.7	1.7	2.3	2.7	2.4	3.1	2.9	2.3	2.2	2.7	4.0	2.7	0.4	0.8	2.7	7.1	1.8	7.1	0.1
15	7.8	7.8	8.6	9.2	9.8	9.3	9.1	6.4	6.4	7.4	8.3	7.1	5.3	3.1	3.2	2.8	2.9	3.3	2.6	2.1	2.9	5.1	7.0	6.8	6.0	9.8	2.1
16	4.7	4.4	5.6	5.7	5.7	6.3	7.7	6.0	7.3	8.5	8.3	8.0	7.3	6.9	5.5	4.3	4.8	4.8	4.6	3.3	2.0	2.2	2.5	3.0	5.4	8.5	2.0
17	4.6	5.1	5.3	6.0	5.2	5.4	5.4	5.2	5.8	6.1	6.2	4.1	3.0	2.5	2.3	1.9	1.8	1.7	0.7	1.6	0.8	0.3	0.3	0.6	3.4	6.2	0.3
18	0.5	0.5	0.8	0.5	0.9	1.3	1.5	1.5	0.7	1.8	2.4	2.7	2.6	2.6	2.3	2.0	2.1	2.6	3.0	1.3	0.6	0.9	1.6	1.2	1.6	3.0	0.5
19	0.8	1.0	0.6	0.8	1.0	1.2	1.0	0.7	1.2	2.1	1.8	3.2	2.4	2.5	3.4	2.2	2.3	1.6	0.5	0.5	0.2	0.7	0.7	0.8	1.4	3.4	0.2
20	0.5	0.7	0.5	0.6	0.6	0.6	0.4	0.5	1.7	2.9	3.2	4.2	3.7	3.9	4.4	5.4	4.8	4.2	2.3	2.5	1.8	2.3	2.4	1.7	2.3	5.4	0.4
21	1.9	1.2	0.6	0.6	0.8	0.7	0.7	0.8	1.0	2.7	2.8	3.0	3.0	2.9	2.8	3.2	2.9	3.7	3.7	3.1	1.1	1.2	1.5	2.6	2.0	3.7	0.6
22	3.3	2.6	3.4	3.3	4.0	4.2	4.0	5.9	5.3	5.3	6.6	5.9	3.2	2.5	2.2	2.4	2.3	3.2	3.1	1.0	1.0	1.8	2.6	3.7	3.5	6.6	1.0
23	4.2	3.8	7.9	9.0	7.0	4.7	3.9	5.3	5.5	6.1	6.7	5.9	5.1	2.8	3.5	3.5	3.8	2.9	1.7	2.1	3.0	3.6	9.1	10.0	5.0	10.0	1.7
24	11.2	11.9	11.4	11.2	9.9	10.3	9.4	9.4	11.6	10.9	10.3	10.7	9.9	9.3	8.8	8.6	6.2	5.8	5.6	8.4	5.8	7.6	7.2	7.5	9.1	11.9	5.6
25	8.5	8.3	8.4	7.9	8.3	8.1	8.0	7.3	6.7	7.5	7.3	6.4	5.4	4.4	3.7	2.7	3.0	3.8	1.8	1.4	1.4	1.4	1.3	1.3	5.2	8.5	1.3
26	1.3	1.2	1.0	1.2	0.7	1.0	1.1	0.9	0.8	1.2	2.3	2.7	2.2	2.8	2.4	2.6	2.3	2.2	2.4	1.7	1.9	1.4	1.9	2.7	1.7	2.8	0.7
27	1.7	0.6	0.8	1.8	3.0	4.1	3.3	4.8	5.9	5.3	5.1	4.5	3.3	3.0	2.0	2.9	2.2	2.5	3.4	2.5	1.0	1.2	1.3	1.7	2.8	5.9	0.6
28	1.8	4.9	2.8	4.0	5.9	6.0	5.0	5.0	5.8	5.9	5.9	5.8	5.3	4.5	3.2	2.1	2.0	2.1	1.4	0.6	0.5	0.8	1.4	1.9	3.5	6.0	0.5
29	3.1	4.4	4.4	4.9	5.6	4.0	5.9	4.4	5.4	5.7	5.3	3.9	2.6	1.6	2.6	1.9	2.3	2.1	1.5	0.9	0.8	0.4	0.6	0.5	3.1	5.9	0.4
30	0.7	0.5	0.4	1.1	0.8	2.1	0.9	0.5	2.3	3.6	2.5	1.7	1.8	3.0	2.6	2.4	1.3	0.3	0.7	1.2	3.3	1.5	0.7	0.7	1.5	3.6	0.3
31	3.5	2.0	1.3	1.1	1.1	0.7	1.0	1.1	1.8	3.5	2.9	2.6	3.1	1.7	1.9	1.6	1.2	1.1	1.0	0.6	0.6	0.5	0.9	0.8	1.6	3.5	0.5
Avg	3.0	3.2	3.1	3.3	3.3	3.3	3.1	3.1	3.6	4.4	4.4	4.1	3.7	3.4	3.3	3.0	2.7	2.7	2.5	2.3	1.9	2.0	2.5	2.9	3.1	--	--
Max	11.5	11.9	11.4	11.2	9.9	10.3	9.4	9.4	11.6	10.9	10.3	10.7	9.9	9.3	8.8	8.6	6.2	5.8	5.6	8.4	10.3	10.8	11.3	11.4	--	11.9	--
Min	0.2	0.2	0.3	0.3	0.2	0.1	0.3	0.3	0.7	1.2	1.8	1.7	1.8	1.6	1.9	1.6	1.2	0.3	0.5	0.4	0.2	0.3	0.1	0.2	--	--	0.1

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, WS_ms_10m"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.6	0.4	0.4	0.7	0.8	0.8	1.0	0.8	1.0	2.1	4.2	3.4	3.2	2.4	2.4	2.5	2.4	1.3	1.3	1.3	1.5	2.3	1.6	1.3	1.7	4.2	0.4
2	0.4	0.4	0.5	0.7	0.9	1.0	1.0	0.5	0.8	1.9	3.7	3.8	3.4	3.4	2.9	2.7	2.1	1.5	0.8	0.8	0.6	0.5	0.8	2.1	1.6	3.8	0.4
3	2.1	1.7	1.6	0.4	0.4	0.6	0.5	0.7	1.2	2.0	2.7	2.9	2.7	2.6	2.2	2.2	1.3	1.2	0.9	1.0	0.6	0.6	0.5	0.6	1.4	2.9	0.4
4	0.7	0.9	0.6	0.7	0.6	0.7	0.9	1.0	4.2	3.3	3.1	2.7	2.4	3.4	2.9	2.6	2.2	2.8	1.9	2.8	1.9	1.4	1.0	2.0	2.0	4.2	0.6
5	1.3	0.9	0.8	0.6	1.2	1.6	1.2	1.0	1.3	1.4	1.8	2.6	2.8	2.7	2.1	2.4	2.1	2.4	2.6	2.2	1.2	1.2	0.9	0.9	1.6	2.8	0.6
6	0.4	0.3	0.3	0.3	0.4	0.2	0.4	0.1	0.2	1.0	1.5	1.9	2.3	2.2	2.0	2.5	2.2	1.7	1.3	0.8	0.9	0.8	2.4	1.2	1.1	2.5	0.1
7	2.2	1.3	0.4	0.6	0.5	0.8	0.6	0.6	0.6	0.7	0.9	1.5	1.9	1.9	1.5	1.6	1.0	1.5	1.1	0.6	0.5	0.7	1.3	0.7	1.0	2.2	0.4
8	1.7	2.4	1.4	1.1	0.8	0.9	0.9	1.5	2.3	3.4	4.7	2.2	2.5	3.2	2.6	2.4	2.1	3.0	3.1	1.3	1.0	1.0	1.5	0.7	2.0	4.7	0.7
9	1.2	1.4	1.8	1.4	1.7	1.8	1.9	2.5	3.0	3.2	3.4	2.8	1.7	1.9	1.3	2.0	2.1	2.6	3.2	1.8	0.4	0.7	0.8	0.5	1.9	3.4	0.4
10	0.4	0.8	0.9	1.1	1.3	1.3	1.5	1.9	2.5	2.7	2.7	2.0	2.4	1.9	2.3	1.9	1.9	1.6	1.7	1.2	0.7	0.6	0.7	0.9	1.5	2.7	0.4
11	0.7	0.5	0.7	0.4	0.5	0.5	0.8	0.8	0.7	1.1	2.4	2.5	1.9	2.1	2.2	2.1	1.5	1.4	2.5	0.5	0.7	0.9	0.9	1.0	1.2	2.5	0.4
12	1.2	1.7	1.9	1.8	1.8	1.6	1.7	1.9	2.3	3.1	2.9	3.8	3.1	2.6	2.5	1.8	2.3	2.8	1.3	1.0	0.9	0.8	0.6	1.0	1.9	3.8	0.6
13	0.9	0.7	0.7	0.6	1.1	1.0	0.8	1.2	1.6	1.7	2.1	1.9	2.2	2.6	2.0	2.7	2.3	3.1	3.0	0.6	0.5	0.5	0.5	0.3	1.4	3.1	0.3
14	0.8	0.5	0.5	0.9	0.4	0.5	0.5	0.8	0.9	1.5	2.1	2.3	2.0	2.4	2.0	2.3	1.6	1.9	1.1	0.4	0.8	0.5	0.6	0.5	1.2	2.4	0.4
15	0.8	0.9	0.7	1.2	1.5	0.9	1.4	1.3	1.4	2.0	2.5	2.9	1.9	2.3	1.9	1.6	1.7	2.0	1.8	1.2	0.5	0.5	0.9	1.0	1.4	2.9	0.5
16	0.4	0.8	1.0	1.4	1.1	1.0	1.1	1.4	1.6	1.5	2.4	2.2	2.3	2.2	2.0	1.8	1.7	1.3	1.3	1.1	0.6	0.3	0.3	0.3	1.3	2.4	0.3
17	0.4	0.2	0.3	0.2	0.5	0.6	0.5	0.6	0.7	1.1	2.7	1.9	2.1	2.7	2.9	2.1	1.6	1.7	1.6	1.2	1.4	1.5	1.7	3.0	1.4	3.0	0.2
18	3.4	1.9	1.3	1.1	1.6	7.9	9.9	9.9	9.8	9.1	8.2	7.3	5.5	4.7	4.9	4.2	4.7	4.5	4.5	6.0	3.6	2.0	2.4	3.3	5.1	9.9	1.1
19	4.1	3.6	5.4	5.8	5.8	6.6	7.4	8.1	8.6	8.1	8.6	8.0	7.7	7.7	6.0	6.0	5.7	5.0	3.6	3.1	4.4	2.9	2.4	2.5	5.7	8.6	2.4
20	2.3	2.3	2.5	3.9	4.7	4.1	2.9	2.7	3.2	4.2	3.2	2.8	2.1	1.7	1.8	2.0	1.8	2.7	2.6	0.7	1.6	0.6	0.8	1.2	2.4	4.7	0.6
21	0.6	1.3	1.4	1.3	1.5	1.7	2.2	3.8	4.4	4.7	3.9	5.1	3.8	2.8	3.3	4.9	4.8	1.9	2.5	5.3	6.8	6.8	9.3	8.3	3.9	9.3	0.6
22	5.8	8.4	8.0	7.1	6.0	8.3	7.7	6.3	6.5	7.3	7.8	6.7	6.2	3.9	4.0	3.0	4.7	4.6	3.4	3.3	4.4	3.8	4.3	8.1	5.8	8.4	3.0
23	7.7	7.6	7.8	8.3	7.9	8.4	8.6	6.3	6.1	6.1	5.9	5.9	6.5	4.1	2.7	3.5	2.6	1.5	0.2	0.5	1.2	1.1	1.2	1.1	4.7	8.6	0.2
24	1.0	1.6	1.7	1.6	1.2	1.5	1.5	1.5	1.7	1.5	1.4	2.7	2.8	2.7	2.2	2.4	2.2	1.9	1.6	1.5	1.0	0.7	0.7	0.5	1.6	2.8	0.5
25	0.5	1.0	0.7	1.4	1.8	1.2	1.2	1.4	1.7	2.3	2.8	1.6	3.3	3.3	3.4	3.0	3.2	3.2	0.7	0.9	0.9	1.2	0.9	2.0	1.8	3.4	0.5
26	2.2	2.1	2.8	2.4	2.1	2.1	2.2	2.0	3.4	4.8	5.1	5.4	4.2	2.8	2.3	1.6	1.1	1.0	1.4	1.6	1.4	1.5	1.4	1.3	2.4	5.4	1.0
27	1.4	1.4	1.4	1.3	1.5	1.3	0.9	1.3	1.7	2.5	3.0	3.5	3.6	3.4	3.1	1.7	1.7	1.2	1.5	1.1	1.3	2.0	3.3	3.0	2.0	3.6	0.9
28	2.5	2.3	2.3	1.7	0.8	1.1	1.1	1.3	2.1	3.0	3.1	5.0	2.9	2.4	1.9	1.9	1.5	1.7	1.4	0.9	0.9	1.4	1.3	1.1	1.9	5.0	0.8
29	1.2	2.1	2.2	2.4	2.9	3.0	3.5	3.9	5.8	5.0	5.7	5.5	5.8	5.9	4.7	4.3	3.6	2.3	2.4	2.7	2.5	2.6	3.6	3.0	3.6	5.9	1.2
30	2.4	2.8	2.7	2.6	2.7	3.0	3.2	4.5	4.1	4.9	3.0	2.9	2.6	1.8	2.3	1.2	1.9	1.6	2.2	2.6	3.2	2.3	2.5	3.0	2.8	4.9	1.2
Avg	1.7	1.8	1.8	1.8	1.9	2.2	2.3	2.4	2.8	3.2	3.6	3.5	3.3	3.0	2.7	2.6	2.4	2.2	1.9	1.7	1.6	1.5	1.7	1.9	2.3	--	--
Max	7.7	8.4	8.0	8.3	7.9	8.4	9.9	9.9	9.8	9.1	8.6	8.0	7.7	7.7	6.0	6.0	5.7	5.0	4.5	6.0	6.8	6.8	9.3	8.3	--	9.9	--
Min	0.4	0.2	0.3	0.2	0.4	0.2	0.4	0.1	0.2	0.7	0.9	1.5	1.7	1.7	1.3	1.2	1.0	1.0	0.2	0.4	0.4	0.3	0.3	0.3	--	--	0.1

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, WS_ms_10m"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	2.7	2.8	2.4	2.3	2.9	2.3	2.5	2.6	2.6	1.9	2.1	2.2	1.7	1.2	2.0	1.4	0.8	1.1	0.9	1.0	1.0	0.9	1.0	1.1	1.8	2.9	0.8
2	0.9	1.1	1.4	1.3	1.3	1.5	2.3	1.5	2.0	1.6	1.3	3.0	3.7	4.2	4.0	3.0	2.4	0.9	0.7	0.6	0.6	0.6	2.3	1.9	1.8	4.2	0.6
3	2.3	0.8	0.6	0.4	0.1	0.2	0.6	0.4	0.4	1.0	2.0	2.0	3.0	2.2	2.6	2.7	2.2	2.4	0.9	0.5	0.6	1.9	1.5	1.3	1.4	3.0	0.1
4	0.9	1.2	0.7	0.8	0.2	0.3	0.5	0.4	1.0	2.0	1.4	2.6	2.9	2.9	2.3	2.1	2.2	1.2	1.2	1.1	1.0	0.7	1.1	1.3	1.3	2.9	0.2
5	1.3	2.1	2.0	3.1	2.9	6.6	5.5	3.6	4.5	5.7	6.3	7.2	8.1	5.8	4.9	4.0	6.0	7.2	6.7	6.7	5.7	6.3	5.7	3.5	5.1	8.1	1.3
6	4.4	5.8	7.6	5.5	4.2	5.1	9.3	7.9	7.8	9.1	9.8	8.9	7.6	7.7	6.3	4.5	4.2	6.1	8.4	11.2	12.4	11.1	10.9	11.7	7.8	12.4	4.2
7	13.1	15.9	16.5	17.1	15.3	12.3	15.2	15.8	15.1	16.9	16.3	14.7	14.8	13.1	10.6	8.9	9.8	11.1	9.4	6.8	8.1	9.2	7.7	6.6	12.5	17.1	6.6
8	3.5	3.3	2.7	2.8	2.9	2.4	3.8	3.1	2.7	3.8	4.0	3.5	3.6	3.4	2.3	1.8	3.2	3.5	2.6	0.8	1.1	1.2	2.6	2.5	2.8	4.0	0.8
9	4.5	3.3	4.3	4.7	7.1	4.9	3.3	6.2	7.9	9.3	9.6	8.8	7.6	5.5	4.9	4.9	5.0	4.4	5.4	6.3	4.1	5.7	6.0	5.3	5.8	9.6	3.3
10	10.3	9.6	9.9	8.6	10.1	8.9	8.8	8.5	7.5	8.5	10.5	7.6	5.9	6.8	5.6	5.6	6.4	8.5	5.3	6.0	5.6	6.9	9.0	9.7	7.9	10.5	5.3
11	7.7	5.9	7.0	6.4	6.4	5.3	6.3	5.6	8.8	8.8	8.2	8.0	6.2	6.7	6.3	5.0	4.6	2.6	3.0	1.9	2.2	5.2	5.9	9.1	6.0	9.1	1.9
12	6.3	3.9	4.0	4.1	4.9	5.4	5.2	5.0	5.5	9.6	6.4	8.3	9.4	8.6	7.2	8.4	7.0	7.2	7.6	5.1	6.8	8.1	9.1	9.7	6.8	9.7	3.9
13	8.6	6.9	9.0	8.1	8.5	5.8	5.2	6.6	5.5	3.9	4.8	5.3	5.5	3.6	0.9	1.8	2.0	2.8	1.1	0.5	0.4	0.1	0.7	0.6	4.1	9.0	0.1
14	0.4	0.5	0.3	0.8	0.6	0.3	0.5	0.3	1.5	2.5	5.3	10.2	8.7	7.5	6.9	9.3	8.3	8.3	8.7	8.3	5.6	6.7	6.5	5.4	4.7	10.2	0.3
15	4.3	4.5	7.8	6.6	9.3	7.1	7.7	9.2	7.0	6.2	7.3	6.2	5.2	4.9	2.4	2.2	3.6	2.4	1.7	1.8	2.5	2.8	2.7	3.2	4.9	9.3	1.7
16	3.3	2.4	3.5	4.5	5.4	5.1	4.3	3.6	3.4	3.8	3.7	3.4	2.5	2.0	1.8	2.5	1.9	1.4	1.0	0.7	0.5	0.7	0.8	0.5	2.6	5.4	0.5
17	0.9	1.1	2.6	2.7	4.5	6.0	6.3	7.0	7.0	6.2	7.5	7.5	7.5	5.1	5.1	5.7	5.2	4.5	5.0	5.5	5.4	6.5	4.1	4.3	5.1	7.5	0.9
18	5.2	3.2	2.3	2.2	2.3	4.6	2.6	1.8	1.3	2.8	3.0	2.5	1.4	2.2	3.1	2.2	2.3	2.7	2.4	0.3	0.2	0.5	0.8	0.9	2.2	5.2	0.2
19	0.6	0.9	0.8	1.2	1.2	0.9	0.5	0.9	0.8	0.9	1.6	3.0	3.2	2.3	2.0	2.3	2.5	1.4	0.7	0.6	0.5	0.4	0.8	0.4	1.3	3.2	0.4
20	1.0	0.9	1.1	0.9	1.2	1.2	1.2	1.6	1.1	2.0	3.3	2.7	2.4	2.6	2.6	2.6	2.4	2.7	1.8	2.6	3.1	3.0	4.0	3.7	2.2	4.0	0.9
21	4.6	4.4	6.1	5.3	1.8	1.7	1.6	2.0	2.6	3.2	3.1	3.0	3.5	3.1	3.0	2.6	2.5	1.6	1.5	1.2	1.2	0.5	0.8	0.9	2.6	6.1	0.5
22	1.1	1.6	1.0	1.4	0.8	1.4	1.5	1.4	1.3	2.0	3.7	2.0	2.2	2.9	3.2	3.3	4.2	3.8	3.3	1.8	1.2	2.3	3.6	2.5	2.2	4.2	0.8
23	1.8	1.0	1.8	2.6	1.9	2.8	3.6	2.7	3.4	3.6	3.6	3.5	3.0	2.4	3.0	2.8	2.1	1.9	2.1	1.8	2.1	1.4	1.0	0.8	2.4	3.6	0.8
24	1.3	1.3	1.1	0.8	1.9	1.5	1.6	1.6	2.0	2.2	1.6	2.2	2.5	2.2	1.7	2.5	3.0	0.5	0.6	0.5	0.2	0.5	0.5	0.8	1.4	3.0	0.2
25	0.7	0.7	0.6	0.7	1.0	1.1	0.8	0.5	0.4	0.8	1.7	1.9	2.1	1.6	1.6	1.0	0.7	0.9	0.5	0.5	0.5	0.3	0.4	0.8	0.9	2.1	0.3
26	0.5	0.4	0.8	0.8	0.7	0.7	1.0	0.6	0.6	1.4	1.2	2.2	2.2	2.2	1.7	1.7	1.7	1.8	0.7	0.5	0.7	0.5	1.0	1.5	1.1	2.2	0.4
27	1.4	1.6	2.2	2.9	2.8	2.0	2.4	3.1	3.6	3.6	6.4	6.3	5.7	4.1	1.1	1.0	0.7	1.1	1.3	1.4	2.2	2.5	1.9	1.4	2.6	6.4	0.7
28	1.3	1.7	1.9	2.6	2.5	2.8	3.5	3.6	3.7	3.3	4.9	5.2	5.5	3.2	2.3	3.2	2.6	1.5	1.0	1.1	1.4	2.1	1.9	2.6	2.7	5.5	1.0
29	2.6	2.1	2.6	3.5	3.0	3.4	3.3	3.1	4.6	4.6	4.2	3.2	2.0	1.5	2.6	2.4	2.9	1.9	0.9	1.1	1.3	1.8	1.6	1.5	2.6	4.6	0.9
30	1.2	1.7	1.8	1.4	1.7	2.0	1.6	1.8	1.7	2.0	1.7	2.6	2.2	1.9	2.6	2.5	2.6	2.7	1.2	1.2	0.8	0.4	0.5	0.5	1.7	2.7	0.4
31	0.6	0.8	0.6	0.7	0.9	1.1	1.3	1.1	1.0	0.9	1.3	1.2	2.2	1.8	1.5	1.8	2.0	1.1	0.4	0.8	0.8	0.8	0.8	0.8	1.1	2.2	0.4
Avg	3.2	3.0	3.5	3.5	3.6	3.4	3.7	3.6	3.8	4.3	4.8	4.9	4.6	4.0	3.5	3.4	3.4	3.3	2.8	2.6	2.6	3.0	3.1	3.1	3.5	--	--
Max	13.1	15.9	16.5	17.1	15.3	12.3	15.2	15.8	15.1	16.9	16.3	14.7	14.8	13.1	10.6	9.3	9.8	11.1	9.4	11.2	12.4	11.1	10.9	11.7	--	17.1	--
Min	0.4	0.4	0.3	0.4	0.1	0.2	0.5	0.3	0.4	0.8	1.2	1.2	1.4	1.2	0.9	1.0	0.7	0.5	0.4	0.3	0.2	0.1	0.4	0.4	--	--	0.1

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, BP_mmHg"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	682	682	682	682	682	682	682	683	683	683	683	682	681	681	680	680	679	679	678	679	679	679	679	679	681	683	678
2	679	679	679	679	679	679	679	680	680	680	680	680	680	679	679	679	679	679	679	680	680	681	681	681	680	681	679
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Avg	684	684	684	684	684	684	685	685	685	686	685	685	685	684	684	683	683	683	684	684	684	684	684	684	684	--	--
Max	689	689	689	689	689	689	689	690	690	691	691	690	690	689	689	689	688	689	689	689	689	689	689	689	--	691	--
Min	679	679	679	679	679	679	679	680	680	680	680	680	680	679	679	679	679	678	678	679	679	679	679	679	--	--	678

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, BP_mmHg"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	683	683	684	683	684	684	684	684	685	685	685	684	684	683	683	683	683	683	683	684	684	684	685	685	684	685	683
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Avg	686	686	686	686	686	686	686	687	687	687	687	687	686	686	685	685	685	685	686	686	686	686	686	686	686	--	--
Max	688	688	688	688	688	688	689	689	690	690	691	690	690	689	688	688	688	688	689	689	689	689	688	688	--	691	--
Min	683	683	683	683	684	684	684	684	685	685	684	683	683	682	682	682	681	681	682	682	682	682	683	683	--	--	681

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, BP_mmHg"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	686	686	686	686	685	686	686	686	687	687	687	687	686	685	685	685	685	685	686	686	686	686	686	686	686	687	685
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Avg	687	687	687	687	687	687	688	688	688	688	688	688	687	687	687	687	687	687	687	687	687	687	688	688	687	--	--
Max	693	693	692	692	692	692	693	693	693	693	693	693	692	691	691	691	691	691	692	692	693	693	693	693	--	693	--
Min	681	681	681	681	681	681	681	681	681	681	681	681	680	680	679	679	679	680	680	680	680	681	681	681	--	--	679

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, DeltaTemp_C"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.42	1.59	1.47	2.13	1.46	1.37	1.12	-0.14	-1.15	-1.62	-1.97	-1.76	-2.09	-1.56	-1.42	-1.50	-0.96	-0.38	0.16	0.41	0.58	0.77	0.62	0.40	-0.04	2.13	-2.09
2	0.68	0.58	0.47	0.91	0.95	0.88	0.99	0.43	-0.90	-1.65	-2.16	-1.82	-1.90	-1.90	-1.42	-1.20	-0.80	-0.44	-0.02	0.35	1.73	0.81	1.39	0.92	-0.13	1.73	-2.16
3	0.76	0.98	1.30	1.66	1.11	0.61	0.56	-0.30	-1.37	-1.80	-2.08	-2.23	-2.19	-2.21	-1.93	-1.59	-0.90	-0.34	0.44	1.11	1.83	1.60	2.21	1.32	-0.06	2.21	-2.23
4	0.98	1.46	1.46	1.47	1.97	2.14	1.53	-0.14	-0.91	-1.26	-1.01	-1.76	-1.99	-1.75	-1.56	-0.99	-0.73	-0.35	0.14	0.52	0.58	0.23	0.26	0.40	0.03	2.14	-1.99
5	0.19	0.12	0.35	0.34	0.20	0.22	0.13	-0.13	-0.47	-0.73	-0.92	-1.32	-1.16	-1.18	-1.11	-1.07	-0.78	-0.41	0.02	0.36	0.96	1.41	1.43	1.40	-0.09	1.43	-1.32
6	1.69	1.63	1.80	2.02	2.13	2.80	1.91	0.97	-0.86	-0.95	-0.93	-1.15	-1.15	-1.37	-1.18	-1.04	-0.70	-0.32	0.25	1.25	2.04	1.28	1.26	0.85	0.51	2.80	-1.37
7	0.44	0.46	0.45	0.45	0.40	0.42	0.37	0.14	-0.65	-0.81	-1.21	-2.23	-1.90	-1.50	-1.28	-0.92	-0.79	-0.32	0.41	2.01	2.25	2.05	2.27	2.17	0.11	2.27	-2.23
8	2.65	2.63	1.96	1.07	0.76	1.00	1.20	0.21	-1.46	-1.33	-1.55	-1.64	-1.93	-1.40	-1.00	-1.20	-0.70	-0.23	0.64	1.43	2.62	0.96	0.91	0.52	0.26	2.65	-1.93
9	0.71	0.67	0.50	1.06	1.39	1.44	1.52	0.07	-0.98	-1.74	-1.31	-1.21	-1.67	-1.10	-1.16	-1.04	-0.69	-0.31	-0.04	-0.01	0.01	0.02	0.03	0.06	-0.16	1.52	-1.74
10	0.10	0.13	0.25	0.28	0.22	0.16	0.07	-0.09	-0.59	-0.90	-1.09	-1.62	-1.80	-1.56	-1.42	-1.12	-0.55	-0.06	0.15	0.23	0.24	0.19	0.15	0.10	-0.36	0.28	-1.80
11	0.08	0.11	0.08	0.10	0.06	0.02	0.02	-0.08	-0.44	-0.74	-1.06	-1.89	-1.73	-1.79	-1.67	-1.03	-0.68	-0.25	0.27	1.38	1.99	1.42	1.56	1.79	-0.10	1.99	-1.89
12	1.12	1.73	1.80	1.48	1.56	0.89	0.73	0.74	-1.29	-1.47	-1.74	-1.61	-1.66	-1.19	-1.04	-1.00	-0.65	-0.25	0.89	1.36	1.21	1.55	1.86	1.86	0.29	1.86	-1.74
13	1.88	2.45	1.72	2.36	2.02	2.11	2.18	0.80	-0.70	-0.97	-1.19	-1.89	-1.22	-1.13	-1.11	-0.87	-0.72	-0.27	0.62	1.66	1.84	1.66	1.90	2.06	0.64	2.45	-1.89
14	2.11	2.16	2.10	2.16	2.15	1.80	2.24	1.41	-0.74	-0.86	-1.42	-1.13	-1.08	-1.10	-1.29	-0.91	-0.67	-0.28	0.12	0.93	2.08	1.49	0.88	0.56	0.53	2.24	-1.42
15	0.61	0.91	0.81	0.80	0.50	0.43	0.40	0.33	-0.45	-0.72	-0.93	-1.37	-1.68	-1.52	-1.35	-0.95	-0.67	0.10	0.51	0.31	0.34	0.21	0.12	0.09	-0.13	0.91	-1.68
16	0.16	0.07	0.18	0.16	0.17	0.14	0.31	0.06	-0.37	-0.77	-1.04	-1.22	-1.45	-1.52	-1.28	-1.02	-0.62	0.01	0.12	0.34	0.16	0.12	0.15	0.13	-0.29	0.34	-1.52
17	0.14	0.12	0.20	0.21	0.37	0.23	0.27	0.14	-0.35	-0.70	-0.94	-1.82	-1.66	-1.77	-1.37	-1.02	-0.41	-0.10	0.19	0.76	1.32	0.82	1.23	0.83	-0.14	1.32	-1.82
18	1.09	1.14	1.60	1.68	1.64	0.97	1.34	0.71	-1.34	-0.69	-1.02	-1.10	-1.32	-1.06	-0.65	-0.73	-0.42	-0.12	0.05	0.46	0.76	0.34	0.43	0.49	0.18	1.68	-1.34
19	0.79	0.59	0.76	0.68	0.76	0.54	0.48	0.16	-0.14	-0.48	-0.48	-0.14	-1.31	-1.55	-1.23	-0.93	-0.60	-0.03	0.51	2.03	1.98	1.62	1.37	1.69	0.29	2.03	-1.55
20	2.01	1.69	1.68	1.93	2.16	1.80	1.19	0.55	-1.46	-1.68	-2.00	-2.20	-1.63	-1.45	-1.57	-1.33	-0.76	-0.26	-0.11	-0.01	0.54	0.29	0.44	0.68	0.02	2.16	-2.20
21	0.38	0.26	0.91	0.23	0.52	1.11	1.05	0.07	-0.65	-0.87	-0.90	-1.08	-0.95	-0.97	-0.84	-0.85	-0.69	-0.34	-0.02	0.48	1.10	0.72	0.76	0.88	0.01	1.11	-1.08
22	0.65	0.81	1.13	0.86	0.72	0.91	0.51	0.42	-0.68	-1.03	-1.62	-1.47	-1.50	-1.02	-1.14	-0.90	-0.57	-0.12	0.86	1.91	1.42	1.27	1.11	0.79	0.14	1.91	-1.62
23	0.75	0.97	1.27	1.27	0.95	1.50	1.41	1.13	-0.50	-1.21	-1.59	-1.34	-1.32	-0.46	-0.44	-0.49	-0.28	0.29	2.02	1.51	0.45	0.70	0.64	0.47	0.32	2.02	-1.59
24	0.26	0.18	0.19	0.20	0.26	0.28	0.27	0.06	-0.52	-0.81	-1.15	-1.40	-1.41	-1.38	-1.11	-0.73	-0.24	0.14	0.24	0.15	0.13	0.13	0.15	0.09	-0.25	0.28	-1.41
25	0.08	0.08	0.11	0.11	0.09	0.11	0.14	0.09	-0.45	-0.80	-1.25	-1.32	-1.47	-1.48	-1.26	-1.07	-0.41	0.10	0.36	0.42	0.40	0.44	0.55	0.53	-0.25	0.55	-1.48
26	0.50	0.58	0.48	0.76	1.37	1.23	1.44	0.48	-1.15	-1.05	-0.98	-0.82	-0.76	-0.85	-0.69	-0.54	-0.29	0.07	0.89	1.07	1.54	1.90	2.75	1.83	0.41	2.75	-1.15
27	2.62	3.05	1.45	0.60	0.52	0.60	0.83	0.85	-0.24	-1.13	-1.45	-1.60	-1.38	-1.23	-0.56	-0.98	-0.37	0.04	0.70	1.82	1.53	0.62	1.28	1.04	0.36	3.05	-1.60
28	1.12	1.47	0.55	0.33	0.39	0.26	0.20	0.08	-0.81	-1.04	-1.21	-1.46	-1.29	-1.54	-1.01	-0.77	-0.47	0.00	0.81	1.74	1.28	0.87	0.82	0.54	0.04	1.74	-1.54
29	0.29	0.20	0.21	0.34	0.38	0.22	0.21	0.05	-0.27	-0.52	-0.87	-1.35	-1.44	-0.95	-1.35	-1.06	-0.87	-0.07	0.69	1.44	2.15	1.83	2.36	2.29	0.16	2.36	-1.44
30	2.15	2.26	1.65	2.01	1.85	2.12	1.84	1.01	-0.72	-1.15	-1.13	-0.91	-1.10	-1.30	-1.22	-0.69	-0.37	0.12	0.95	0.67	0.72	0.69	0.37	0.43	0.43	2.26	-1.30
31	0.08	0.22	0.65	0.54	0.52	0.48	0.83	0.38	-1.18	-1.65	-2.02	-1.67	-1.35	-0.75	-0.56	-0.39	-0.24	-0.03	0.66	0.87	0.69	1.28	1.05	0.92	-0.03	1.28	-2.02
Avg	0.92	1.01	0.95	0.97	0.95	0.93	0.88	0.34	-0.77	-1.07	-1.30	-1.47	-1.50	-1.34	-1.17	-0.97	-0.60	-0.14	0.43	0.94	1.18	0.95	1.04	0.91	0.09	--	--
Max	2.65	3.05	2.10	2.36	2.16	2.80	2.24	1.41	-0.14	-0.48	-0.48	-0.14	-0.76	-0.46	-0.44	-0.39	-0.24	0.29	2.02	2.03	2.62	2.05	2.75	2.29	--	3.05	--
Min	0.08	0.07	0.08	0.10	0.06	0.02	0.02	-0.30	-1.46	-1.80	-2.16	-2.23	-2.19	-2.21	-1.93	-1.59	-0.96	-0.44	-0.11	-0.01	0.01	0.02	0.03	0.06	--	--	-2.23

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, DeltaTemp_C"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.09	1.88	1.71	1.23	1.77	1.01	0.49	0.46	-0.65	-1.30	-2.02	-1.54	-1.32	-0.84	-0.71	-0.68	-0.37	-0.03	0.41	1.28	1.92	1.21	1.48	1.46	0.33	1.92	-2.02
2	1.78	1.27	0.61	0.40	0.51	0.40	0.37	0.23	-0.95	-1.26	-1.98	-1.92	-1.67	-1.64	-1.19	-0.93	-0.50	-0.18	0.13	0.95	0.70	0.97	0.81	1.03	-0.09	1.78	-1.98
3	1.37	1.74	1.56	0.98	1.17	0.86	0.79	0.74	-0.70	-1.19	-1.76	-1.96	-1.89	-1.21	-0.80	-0.54	-0.34	-0.09	0.27	0.11	0.35	0.54	0.54	0.55	0.04	1.74	-1.96
4	0.33	0.35	0.35	0.37	0.80	0.48	0.59	0.50	-0.42	-0.50	-0.87	-0.74	-1.20	-1.49	-0.87	-0.93	-0.66	-0.29	-0.01	1.09	0.32	0.53	0.85	0.98	-0.02	1.09	-1.49
5	0.90	0.38	0.15	0.23	0.27	0.08	0.95	0.10	-0.47	-0.82	-1.04	-1.88	-1.15	-0.89	-1.02	-0.67	-0.49	-0.29	0.09	0.73	1.12	1.35	1.80	1.16	0.02	1.80	-1.88
6	1.56	1.87	1.56	1.29	1.22	1.28	1.15	0.36	-0.24	-0.82	-1.22	-1.35	-1.23	-0.73	-0.74	-0.79	-0.52	-0.10	0.11	0.31	0.23	0.31	0.43	0.77	0.20	1.87	-1.35
7	0.87	1.45	1.75	1.27	0.84	0.78	0.87	0.49	-0.14	-0.55	-0.70	-0.92	-0.97	-0.78	-0.51	-0.39	-0.20	0.00	0.17	0.28	0.38	0.33	0.48	0.86	0.24	1.75	-0.97
8	0.02	-0.02	0.17	0.33	0.46	0.54	1.07	0.66	-0.66	-1.03	-1.14	-0.98	-0.80	-1.23	-0.75	-0.57	-0.38	-0.10	0.25	1.16	0.33	0.30	0.53	1.07	-0.03	1.16	-1.23
9	0.61	0.17	0.14	0.39	0.02	0.26	0.83	0.09	-0.41	-0.76	-1.57	-1.44	-1.51	-1.25	-0.96	-0.72	-0.35	0.02	0.43	1.39	1.82	1.58	1.20	1.61	0.07	1.82	-1.57
10	1.79	2.10	0.72	0.55	0.60	0.52	0.58	0.50	-0.72	-1.09	-1.21	-1.24	-0.73	-0.70	-0.55	-0.55	-0.42	0.09	0.53	1.79	1.94	1.59	1.56	1.77	0.39	2.10	-1.24
11	2.02	2.10	2.19	2.07	2.24	1.72	1.03	0.67	-0.66	-0.93	-1.04	-1.08	-0.84	-0.82	-0.62	-0.73	-0.41	0.17	0.84	1.87	1.84	1.66	1.64	1.57	0.69	2.24	-1.08
12	2.38	2.58	1.67	1.90	0.61	0.58	0.61	0.59	-0.11	-0.44	-0.96	-1.54	-1.94	-1.65	-0.69	-0.65	-0.33	0.13	1.13	1.69	0.88	1.26	1.12	0.70	0.40	2.58	-1.94
13	0.90	2.03	1.55	1.20	1.50	0.72	1.22	1.04	-0.37	-0.93	-1.17	-0.68	-1.08	-0.63	-0.50	-0.65	-0.28	0.07	0.88	1.76	1.38	1.96	2.42	2.23	0.61	2.42	-1.17
14	2.02	2.06	2.72	1.55	2.51	2.58	2.43	0.62	-0.06	-0.97	-1.36	-0.93	-0.75	-0.66	-0.57	-0.64	-0.24	0.16	1.40	2.21	1.07	1.67	1.69	1.71	0.84	2.72	-1.36
15	2.16	0.91	1.21	2.29	1.01	0.67	0.75	0.58	-0.26	-0.89	-1.15	-1.51	-1.54	-1.34	-0.74	-0.41	-0.09	0.29	1.14	1.51	1.06	1.58	1.60	2.39	0.47	2.39	-1.54
16	1.86	2.45	2.23	1.52	0.91	0.88	1.03	0.74	-0.69	-1.25	-1.19	-1.16	-0.95	-0.60	-0.42	-0.41	-0.21	0.22	1.07	1.79	1.32	1.87	2.67	2.23	0.66	2.67	-1.25
17	2.11	2.59	2.54	2.36	2.66	2.18	1.75	0.74	-0.35	-0.59	-1.36	-0.52	-0.52	-0.63	-0.63	-0.36	-0.17	-0.05	0.30	0.68	0.79	1.04	1.35	0.93	0.70	2.66	-1.36
18	0.82	1.07	0.88	1.14	0.81	0.43	0.22	0.16	-0.62	-1.17	-1.35	-1.10	-0.90	-0.88	-1.04	-0.98	-0.33	0.18	0.22	0.24	0.62	0.33	0.37	0.43	-0.02	1.14	-1.35
19	0.36	0.19	0.16	0.16	0.16	0.23	0.15	0.11	-0.27	-0.52	-0.74	-0.85	-1.16	-1.34	-1.09	-0.87	-0.17	0.25	0.46	0.39	0.60	1.18	1.26	0.45	-0.04	1.26	-1.34
20	0.30	0.33	0.23	0.34	0.32	0.20	0.19	0.13	-0.46	-0.52	-0.66	-1.50	-1.50	-1.32	-1.05	-0.78	-0.12	0.26	1.04	1.58	1.33	1.47	2.15	1.91	0.16	2.15	-1.50
21	2.32	1.63	2.17	2.27	1.93	1.43	0.97	0.70	-0.16	-0.96	-0.56	-0.77	-0.92	-0.48	-0.46	-0.38	-0.09	0.19	0.77	0.53	0.80	0.98	0.82	0.56	0.55	2.32	-0.96
22	0.71	0.54	0.32	0.18	0.18	0.21	0.21	0.13	-0.37	-0.88	-1.16	-1.32	-1.22	-1.12	-0.81	-0.89	-0.25	0.32	1.05	0.89	0.47	0.39	0.30	0.51	-0.07	1.05	-1.32
23	0.93	1.39	2.44	1.17	1.34	0.96	0.96	0.87	0.21	-0.65	-1.00	-1.33	-1.22	-0.92	-0.47	-0.50	-0.26	0.31	1.68	2.02	2.25	1.49	1.62	2.39	0.65	2.44	-1.33
24	2.31	2.92	1.55	1.05	0.59	0.84	0.66	0.73	-0.16	-0.87	-0.86	-1.07	-0.67	-0.71	-0.66	-0.73	-0.28	0.21	1.05	2.28	1.50	0.92	1.25	1.41	0.55	2.92	-1.07
25	2.71	2.24	2.03	2.27	1.47	1.44	0.95	0.69	-0.50	-0.68	-0.62	-0.93	-0.58	-0.60	-0.65	-0.56	-0.38	0.13	1.64	1.57	2.03	2.11	1.65	1.81	0.80	2.71	-0.93
26	0.99	1.36	1.73	1.07	1.38	1.47	2.23	1.97	0.27	-0.25	-0.88	-1.25	-1.23	-1.23	-1.27	-0.88	-0.14	0.94	0.79	0.84	0.61	0.71	0.81	0.80	0.45	2.23	-1.27
27	0.67	0.63	0.60	0.67	0.63	0.84	0.72	0.39	-0.60	-1.18	-1.64	-1.90	-1.77	-1.63	-0.93	-0.30	-0.04	0.35	0.63	0.62	1.19	1.01	0.37	0.64	0.00	1.19	-1.90
28	0.83	1.36	0.61	1.42	1.65	0.85	0.64	0.74	0.07	-0.54	-1.35	-1.55	-1.19	-0.82	-0.92	-0.77	-0.23	0.33	0.76	0.44	0.34	0.29	0.29	0.23	0.15	1.65	-1.55
29	0.24	0.13	0.09	0.08	0.11	0.09	0.07	0.08	-0.08	-0.33	-0.58	-0.86	-0.73	-0.77	-0.58	-0.48	-0.17	0.02	0.08	0.06	0.07	0.12	0.09	0.02	-0.14	0.24	-0.86
30	0.04	0.18	0.06	0.00	0.24	0.31	0.46	0.23	0.00	-0.13	-0.34	-0.61	-0.59	-0.29	-0.19	-0.11	-0.19	-0.04	0.13	0.11	0.09	0.12	0.33	0.13	0.00	0.46	-0.61
Avg	1.23	1.33	1.19	1.06	1.00	0.83	0.83	0.53	-0.35	-0.80	-1.12	-1.21	-1.12	-0.97	-0.75	-0.63	-0.29	0.11	0.65	1.07	0.98	1.03	1.12	1.14	0.29	--	--
Max	2.71	2.92	2.72	2.36	2.66	2.58	2.43	1.97	0.27	-0.13	-0.34	-0.52	-0.52	-0.29	-0.19	-0.11	-0.04	0.94	1.68	2.28	2.25	2.11	2.67	2.39	--	2.92	--
Min	0.02	-0.02	0.06	0.00	0.02	0.08	0.07	0.08	-0.95	-1.30	-2.02	-1.96	-1.94	-1.65	-1.27	-0.98	-0.66	-0.29	-0.01	0.06	0.07	0.12	0.09	0.02	--	--	-2.02

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, DeltaTemp_C"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.07	0.06	0.04	0.01	0.05	0.06	0.07	0.05	-0.08	-0.15	-0.19	0.02	-0.13	-0.32	-0.46	-0.38	0.00	0.28	0.99	1.07	0.54	0.71	1.10	0.57	0.17	1.10	-0.46
2	0.39	0.30	0.42	0.29	0.22	0.24	0.18	0.26	-0.01	-1.06	-0.97	-1.02	-0.79	-1.06	-0.76	-0.70	-0.18	0.46	0.22	0.27	0.54	0.55	0.52	0.72	-0.04	0.72	-1.06
3	1.03	1.54	2.08	1.61	1.39	1.56	1.04	1.59	0.17	-0.97	-0.83	-0.75	-0.76	-0.87	-0.75	-0.66	-0.61	0.11	1.22	1.26	1.08	1.65	1.82	1.74	0.61	2.08	-0.97
4	1.91	2.34	2.34	2.31	2.05	2.21	1.79	1.70	-0.10	-0.78	-1.44	-1.52	-1.24	-0.85	-0.64	-0.51	-0.33	-0.04	0.33	0.52	1.23	0.91	0.44	0.75	0.56	2.34	-1.52
5	1.10	0.42	0.30	0.19	0.23	0.17	0.09	0.04	-0.05	-0.14	-0.25	-0.35	-0.29	-0.25	-0.21	-0.26	-0.11	0.01	0.07	0.12	0.08	0.05	0.00	-0.02	0.04	1.10	-0.35
6	0.14	0.13	0.15	0.20	0.11	0.18	0.24	0.10	-0.38	-0.78	-1.08	-1.29	-1.27	-1.11	-0.94	-0.76	-0.25	0.15	0.13	0.07	0.11	0.09	0.14	0.20	-0.24	0.24	-1.29
7	0.15	0.11	0.09	0.13	--	--	0.04	0.01	-0.25	-0.56	-0.63	-0.83	-0.84	-0.84	-0.76	-0.54	-0.22	0.03	0.10	0.34	0.29	0.28	0.37	0.42	-0.14	0.42	-0.84
8	0.62	0.58	0.64	1.21	0.86	0.78	1.61	1.29	0.27	-0.85	-1.10	-0.65	-0.80	-0.74	-0.63	-0.55	-0.36	0.00	0.71	1.37	1.01	1.61	1.42	2.38	0.45	2.38	-1.10
9	1.07	1.21	1.07	0.53	0.25	0.33	0.30	0.31	-0.13	-0.51	-0.62	-1.09	-1.04	-1.04	-0.78	-0.53	-0.12	0.07	0.13	0.17	0.28	0.32	0.16	0.19	0.02	1.21	-1.09
10	0.14	0.09	0.13	0.17	0.13	0.15	0.17	0.16	-0.13	-0.40	-0.87	-0.91	-0.74	-0.69	-0.40	-0.22	-0.02	0.06	0.13	0.13	0.12	0.13	0.15	0.27	-0.09	0.27	-0.91
11	0.28	0.23	0.27	0.38	0.18	0.07	0.13	0.15	-0.10	-0.50	-0.74	-1.04	-0.91	-1.13	-1.03	-0.85	-0.20	0.29	0.60	1.26	0.91	1.78	1.25	1.38	0.11	1.78	-1.13
12	1.04	0.85	1.18	0.55	0.46	0.26	0.22	0.12	-0.01	-0.11	-0.36	-0.59	-0.71	-0.49	-0.28	-0.30	-0.09	0.05	0.10	0.20	0.18	0.17	0.45	0.73	0.15	1.18	-0.71
13	0.44	0.18	0.40	0.66	0.33	0.42	0.67	0.81	0.23	-0.37	-0.74	-1.16	-1.37	-1.20	-1.23	-0.95	-0.30	0.43	1.80	2.19	2.02	1.92	2.33	1.96	0.39	2.33	-1.37
14	2.34	2.37	2.56	2.14	1.57	1.63	2.20	2.04	0.16	-0.95	-1.23	-0.98	-0.99	-1.09	-0.64	-0.61	-0.41	0.00	0.05	0.08	0.14	0.12	0.14	0.32	0.46	2.56	-1.23
15	0.31	0.20	0.24	0.21	0.15	0.11	0.21	0.23	-0.23	-0.74	-0.94	-1.32	-1.33	-1.03	-0.74	-0.78	-0.37	0.17	0.32	0.43	0.41	0.26	0.21	0.44	-0.15	0.44	-1.33
16	0.21	0.24	0.11	0.09	0.11	0.11	0.06	0.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.12	0.24	0.06
17	--	--	--	--	--	--	--	--	-0.03	-0.25	-0.42	-0.48	-0.40	-0.29	-0.26	-0.51	-0.24	-0.06	0.03	-0.01	0.10	0.19	0.05	0.10	-0.15	0.19	-0.51
18	0.08	0.09	0.20	0.19	0.48	0.61	0.43	0.48	0.11	-0.70	-0.83	-1.16	-0.69	-0.68	-0.67	-0.62	-0.42	-0.16	0.13	1.03	1.04	0.76	0.49	0.65	0.03	1.04	-1.16
19	0.96	1.30	1.80	1.23	1.41	1.39	1.39	1.26	0.22	-0.67	-0.90	-1.13	-0.82	-0.71	-0.67	-0.73	-0.41	-0.12	0.15	0.83	0.45	0.86	0.69	1.36	0.38	1.80	-1.13
20	1.57	1.30	0.87	0.54	0.40	0.42	0.33	0.32	0.01	-0.90	-1.19	-1.16	-1.91	-1.70	-1.32	-0.94	-0.60	0.13	0.69	0.58	0.67	1.18	0.88	0.81	0.04	1.57	-1.91
21	0.45	0.83	0.50	0.32	0.22	0.13	-0.09	-0.15	-0.19	-0.53	-0.81	-0.91	-0.86	-0.76	-0.83	-0.69	-0.44	-0.18	-0.11	0.13	0.93	1.16	0.74	0.89	-0.01	1.16	-0.91
22	0.91	0.94	0.89	0.96	0.99	0.75	0.44	0.82	-0.06	-0.87	-0.86	-0.93	-0.96	-0.76	-0.56	-0.60	-0.42	-0.13	0.11	0.57	0.74	0.94	0.89	0.97	0.20	0.99	-0.96
23	1.08	0.41	0.57	1.31	0.73	0.44	0.40	0.38	0.06	-0.35	-0.56	-0.72	-0.84	-0.86	-0.91	-0.42	-0.07	0.18	0.34	1.35	1.18	1.69	1.87	2.11	0.39	2.11	-0.91
24	1.73	1.80	1.79	1.86	0.89	0.69	1.56	0.98	0.04	-0.53	-1.16	-0.72	-0.80	-0.66	-0.57	-0.59	-0.33	0.08	0.77	1.04	2.18	1.46	2.03	1.07	0.61	2.18	-1.16
25	0.74	1.41	1.86	1.70	2.09	1.25	1.27	1.62	1.10	-0.32	-0.90	-1.21	-0.85	-0.43	-0.39	-0.24	-0.22	0.64	2.24	2.02	1.62	2.38	2.31	2.43	0.92	2.43	-1.21
26	2.17	2.56	2.61	1.55	1.74	1.75	1.78	1.71	1.00	-0.31	-0.85	-1.13	-0.94	-0.66	-0.52	-0.40	-0.25	0.02	0.64	0.58	0.96	1.01	1.97	1.07	0.75	2.61	-1.13
27	1.04	1.55	0.53	0.56	0.59	0.81	0.96	1.59	1.20	-0.20	-0.95	-0.95	-1.17	-0.98	-0.42	-0.35	-0.13	1.18	1.17	1.34	0.97	1.50	2.13	1.79	0.57	2.13	-1.17
28	0.93	1.80	0.72	1.09	2.07	2.19	1.84	1.74	1.19	0.02	-0.29	-0.52	-0.42	-1.03	-0.55	-0.47	-0.21	0.82	1.41	2.08	1.00	1.03	1.58	0.79	0.78	2.19	-1.03
29	2.59	2.40	1.62	1.62	1.83	1.42	1.53	1.03	0.11	-0.13	-0.59	-0.95	-0.80	-0.75	-0.59	-0.46	-0.22	0.61	2.44	2.62	1.53	3.10	2.04	1.20	0.97	3.10	-0.95
30	0.70	2.05	1.17	0.65	0.54	0.77	0.67	0.49	0.16	-0.67	-1.18	-1.43	-1.05	-1.03	-0.58	-0.49	-0.32	0.21	1.97	2.05	2.48	2.96	2.72	2.38	0.63	2.96	-1.43
31	2.42	2.82	2.16	1.43	1.91	0.92	1.16	0.61	0.40	-0.25	-0.80	-1.13	-1.06	-0.54	-0.49	-0.41	-0.17	0.66	1.68	1.70	0.76	1.66	2.61	2.41	0.85	2.82	-1.13
Avg	0.95	1.07	0.98	0.86	0.83	0.75	0.76	0.73	0.16	-0.52	-0.81	-0.93	-0.89	-0.82	-0.65	-0.55	-0.27	0.20	0.69	0.91	0.85	1.08	1.12	1.07	0.31	--	--
Max	2.59	2.82	2.61	2.31	2.09	2.21	2.20	2.04	1.20	0.02	-0.19	0.02	-0.13	-0.25	-0.21	-0.22	0.00	1.18	2.44	2.62	2.48	3.10	2.72	2.43	--	3.10	--
Min	0.07	0.06	0.04	0.01	0.05	0.06	-0.09	-0.15	-0.38	-1.06	-1.44	-1.52	-1.91	-1.70	-1.32	-0.95	-0.61	-0.18	-0.11	-0.01	0.08	0.05	0.00	-0.02	--	--	-1.91

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, Precip_Inches"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	Max	Min
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0.012	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0.004	0	0	0.02	0.012	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0.012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.012	0.012	0
Total	0	0.012	0	0	0	0	0	0.012	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0.004	0	0	0.032	--	--
Max	0	0.012	0	0	0	0	0	0.012	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0.004	0	0	--	0.012	--
Min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	--	0

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, Precip_Inches"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	Max	Min
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.004	0.004	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.004	--	--
Max	0	0	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0.004	--
Min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	--	0

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, Precip_Inches"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total	Max	Min
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0.004	0.012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.016	0.012	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0.004	0.004	0.02	0	0	0	0	0	0	0	0	0.004	0.004	0	0	0	0	0	0	0	0	0	0.036	0.02	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.004	0.012	0.004	0.004	0.02	0	0	0	0	0	0	0	0	0.004	0.004	0	0	0	0	0	0	0	0	0	0.052	--	--
Max	0.004	0.012	0.004	0.004	0.02	0	0	0	0	0	0	0	0	0.004	0.004	0	0	0	0	0	0	0	0	0	--	0.02	--
Min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	--	0

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, RH_Percent"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	18	18	20	19	21	24	26	24	20	18	15	13	13	11	11	11	11	11	13	14	14	15	16	19	17	26	11
2	21	22	24	25	23	16	15	15	18	19	17	16	16	15	13	13	16	18	20	22	25	27	28	29	20	29	13
3	30	32	33	34	34	32	30	26	22	18	18	16	12	10	12	11	11	11	13	15	17	19	22	23	21	34	10
4	26	28	28	28	30	30	29	25	23	22	23	23	24	16	15	16	16	18	21	23	23	23	24	23	23	30	15
5	25	26	26	28	30	30	30	28	24	22	21	19	17	16	17	18	18	20	21	23	24	25	26	27	23	30	16
6	27	24	21	20	21	21	20	18	15	13	11	8	8	7	6	6	5	6	8	10	12	12	10	6	13	27	5
7	6	6	6	7	6	6	7	9	7	5	5	4	4	3	3	4	4	5	6	7	8	9	9	9	6	9	3
8	10	10	10	10	9	9	12	9	8	7	6	5	5	4	4	5	5	6	7	8	9	9	10	11	8	12	4
9	12	13	16	20	23	24	26	25	21	20	21	22	20	20	20	20	16	11	10	8	8	8	8	9	17	26	8
10	8	8	9	9	10	10	11	11	11	11	12	13	13	13	14	14	14	15	16	17	17	18	19	20	13	20	8
11	21	23	23	24	24	25	26	25	23	21	19	17	15	16	16	18	18	18	19	21	23	22	23	24	21	26	15
12	23	24	24	24	26	25	26	26	21	18	17	12	12	9	6	5	6	7	9	10	11	10	11	11	16	26	5
13	12	12	13	15	16	17	18	16	13	11	9	9	9	11	12	11	11	11	13	15	16	17	18	19	14	19	9
14	20	21	22	23	24	25	27	25	20	16	15	12	10	10	10	9	9	10	12	15	16	17	17	16	17	27	9
15	10	9	8	7	7	7	6	7	6	5	5	5	5	5	5	5	6	6	7	8	9	10	12	13	7	13	5
16	14	15	15	15	15	15	17	16	15	16	15	15	15	15	15	16	16	19	21	23	23	23	24	25	17	25	14
17	25	26	26	28	31	31	32	31	26	24	21	20	18	16	15	15	16	17	20	23	26	27	29	30	24	32	15
18	32	31	32	32	31	29	32	30	24	20	18	14	13	11	12	11	12	15	16	17	18	19	18	18	21	32	11
19	18	18	18	20	19	18	19	18	17	17	17	18	15	15	14	14	14	15	17	19	21	21	23	26	18	26	14
20	28	29	29	27	28	27	27	26	21	20	19	17	16	17	18	19	21	24	29	29	32	33	36	38	25	38	16
21	41	41	43	43	45	46	44	42	33	29	28	27	26	25	24	24	25	27	28	30	32	33	31	31	33	46	24
22	14	12	13	11	10	9	8	9	7	6	6	6	6	6	6	6	6	7	9	11	11	10	10	11	9	14	6
23	12	12	14	13	13	12	12	12	9	7	6	6	5	8	8	8	8	9	11	10	9	10	12	10	10	14	5
24	10	10	9	8	8	9	10	10	11	12	12	12	11	11	11	10	10	12	13	15	17	17	17	17	12	17	8
25	17	17	17	17	17	17	18	19	18	16	15	14	13	12	12	11	11	13	14	15	15	16	17	17	15	19	11
26	18	19	19	21	23	24	25	22	18	16	15	14	13	12	12	12	11	13	16	17	18	19	19	20	17	25	11
27	20	20	18	15	16	14	15	17	15	13	12	11	10	10	11	10	10	12	14	15	16	15	16	15	14	20	10
28	15	15	15	18	17	18	20	19	16	16	14	13	11	10	9	9	10	12	14	15	15	15	14	14	14	20	9
29	14	16	17	17	17	18	18	19	17	16	14	13	11	10	10	9	9	12	14	16	18	19	19	20	15	20	9
30	21	20	20	21	21	23	27	30	24	23	22	21	19	16	15	15	16	17	20	21	19	19	21	25	21	30	15
31	31	54	52	48	43	45	48	47	35	30	28	26	24	27	26	25	24	23	25	29	33	35	32	31	34	54	23
Avg	19	20	21	21	21	21	22	21	18	16	15	14	13	13	12	12	12	14	15	17	18	19	19	20	17	--	--
Max	41	54	52	48	45	46	48	47	35	30	28	27	26	27	26	25	25	27	29	30	33	35	36	38	--	54	--
Min	6	6	6	7	6	6	6	7	6	5	5	4	4	3	3	4	4	5	6	7	8	8	8	6	--	--	3

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, RH_Percent"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	28	29	31	33	34	33	32	34	31	27	31	32	28	27	27	26	26	29	31	34	36	35	37	43	31	43	26
2	49	52	52	51	53	52	52	53	45	40	36	34	32	30	31	32	35	41	43	45	46	48	44	46	43	53	30
3	49	49	51	52	53	54	55	54	44	39	37	34	29	27	27	25	28	30	31	28	32	31	31	30	38	55	25
4	30	30	29	32	32	32	33	32	29	27	28	28	22	21	23	25	25	26	28	30	33	38	41	45	30	45	21
5	47	48	52	55	57	59	63	62	57	52	48	37	36	34	29	31	36	38	40	43	45	46	45	46	46	63	29
6	46	46	46	45	45	46	46	43	42	35	30	29	25	24	23	23	25	28	30	30	30	33	33	33	35	46	23
7	35	36	38	41	42	43	44	43	41	38	36	35	35	34	34	35	36	38	39	39	41	41	41	42	39	44	34
8	41	44	61	62	60	64	65	67	53	45	39	37	40	37	36	36	36	38	40	43	40	40	43	45	46	67	36
9	41	38	35	36	35	36	40	37	34	32	28	24	22	21	20	21	26	29	31	36	39	39	38	40	32	41	20
10	39	40	36	35	36	37	39	39	33	30	26	24	23	22	21	20	20	23	26	31	34	37	32	33	31	40	20
11	34	33	33	36	37	36	32	32	29	25	21	18	18	17	13	10	10	13	16	20	20	20	18	16	23	37	10
12	15	14	14	14	16	17	18	17	15	15	14	13	13	13	12	12	13	15	18	19	18	17	19	17	15	19	12
13	18	20	21	22	22	20	23	24	19	17	15	15	13	13	14	13	13	16	18	20	21	21	21	22	18	24	13
14	20	20	18	17	19	19	19	18	18	15	14	13	13	12	11	11	13	15	18	19	19	20	21	19	17	21	11
15	20	15	15	18	15	15	15	16	15	14	12	11	9	8	9	10	11	12	15	16	16	16	16	16	14	20	8
16	16	17	17	16	15	15	14	13	11	11	11	10	10	11	12	11	11	13	15	16	17	18	19	20	14	20	10
17	20	20	21	22	23	24	25	22	21	18	15	17	19	20	20	20	21	23	25	25	26	28	30	33	22	33	15
18	38	40	42	42	44	44	34	32	25	19	16	15	13	12	9	9	9	9	8	8	9	9	10	10	21	44	8
19	12	12	13	13	14	14	16	17	16	16	15	13	11	11	10	10	10	10	11	12	14	16	15	14	13	17	10
20	15	15	16	16	18	17	18	18	16	15	15	13	13	14	13	13	15	16	19	20	21	22	23	23	17	23	13
21	22	23	22	23	22	21	19	17	17	13	12	10	9	12	12	13	14	15	16	17	17	18	18	16	17	23	9
22	15	15	13	13	12	11	12	12	12	11	11	10	10	10	10	9	10	11	13	13	13	13	15	17	12	17	9
23	19	20	23	22	24	23	24	25	22	19	18	15	13	13	13	14	14	17	21	22	23	20	20	20	19	25	13
24	21	22	21	20	18	20	18	20	18	17	14	12	13	13	13	13	14	17	19	21	22	21	22	24	18	24	12
25	25	25	25	25	25	24	23	23	20	19	15	14	13	14	15	15	15	18	21	23	24	24	22	21	20	25	13
26	18	16	15	12	14	14	15	15	13	12	11	10	9	7	7	7	9	12	11	11	11	12	12	13	12	18	7
27	12	12	13	13	14	16	15	14	13	12	11	10	10	9	10	13	15	16	18	19	21	21	27	34	15	34	9
28	38	39	40	44	44	45	39	37	34	29	22	18	16	18	17	16	21	23	23	15	12	11	12	12	26	45	11
29	13	13	13	13	13	14	16	17	17	17	17	16	16	15	15	15	16	18	17	17	17	18	18	19	16	19	13
30	18	19	18	18	19	21	21	21	19	18	18	17	19	21	22	21	21	22	23	22	22	22	23	22	20	23	17
Avg	27	27	28	29	29	30	30	29	26	23	21	19	18	18	18	18	19	21	23	24	25	25	26	26	24	--	--
Max	49	52	61	62	60	64	65	67	57	52	48	37	40	37	36	36	36	41	43	45	46	48	45	46	--	67	--
Min	12	12	13	12	12	11	12	12	11	11	11	10	9	7	7	7	9	9	8	8	9	9	10	10	--	--	7

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, RH_Percent"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	21	20	19	19	20	20	20	21	20	21	21	25	27	25	24	23	23	24	26	26	24	26	27	25	23	27	19
2	22	24	24	23	23	22	24	24	25	21	20	19	18	17	18	17	18	20	21	22	23	23	23	23	21	25	17
3	24	27	30	31	32	35	36	37	32	28	26	25	24	24	25	26	26	29	32	33	34	35	36	37	30	37	24
4	39	40	42	43	45	46	47	49	43	37	33	29	29	30	33	35	37	41	43	45	46	47	49	48	41	49	29
5	44	40	29	27	27	25	25	24	24	24	24	22	21	23	25	27	29	31	34	36	36	36	35	35	29	44	21
6	34	32	33	37	35	33	36	39	37	34	31	28	28	27	28	26	17	8	7	7	7	8	8	6	24	39	6
7	5	7	9	9	9	10	12	14	14	13	11	10	10	9	7	6	6	7	8	9	9	11	13	14	10	14	5
8	16	15	16	19	20	21	24	25	22	17	15	16	14	12	11	11	12	14	15	17	17	19	20	19	17	25	11
9	17	19	18	14	10	11	12	13	12	11	11	10	10	10	9	9	10	11	12	11	12	12	12	13	12	19	9
10	9	9	10	10	9	10	11	12	10	9	8	7	6	6	5	5	5	5	5	6	6	7	7	8	8	12	5
11	8	9	9	10	8	8	8	8	7	7	8	7	7	6	7	7	7	6	7	9	8	9	11	11	8	11	6
12	12	11	9	8	7	9	8	9	8	6	7	6	5	5	6	6	6	6	6	6	6	7	8	9	7	12	5
13	8	8	10	12	12	12	13	14	12	9	8	7	7	7	8	9	9	10	12	12	13	14	15	14	11	15	7
14	15	16	17	16	16	17	20	23	19	14	11	11	12	14	15	17	18	19	20	20	20	22	22	22	17	23	11
15	23	23	24	23	22	20	22	23	22	21	19	17	15	14	14	14	14	15	16	17	16	16	17	20	19	24	14
16	20	19	20	21	20	20	19	22	22	21	18	16	15	13	13	14	15	15	16	18	21	22	23	25	19	25	13
17	30	33	54	49	68	63	57	56	54	56	56	53	55	60	60	51	51	54	55	55	53	55	56	53	54	68	30
18	54	57	60	60	61	63	64	61	60	47	33	26	27	33	37	41	44	48	50	54	56	56	58	56	50	64	26
19	59	59	58	54	55	54	57	56	51	43	42	36	33	32	34	34	36	42	45	47	48	47	37	35	46	59	32
20	31	29	28	34	32	31	29	27	29	25	22	23	22	19	20	23	24	31	34	32	34	35	33	32	28	35	19
21	30	31	31	35	48	54	53	55	55	39	35	33	32	29	29	27	26	28	28	25	27	28	28	30	35	55	25
22	30	32	33	33	34	30	32	35	32	28	26	25	22	21	22	22	22	24	26	30	32	33	29	26	28	35	21
23	27	24	24	25	22	20	19	20	20	17	16	15	14	12	10	12	14	16	19	19	17	17	17	18	18	27	10
24	17	16	15	16	15	15	16	14	13	11	9	9	7	8	9	9	11	13	15	16	18	18	16	12	13	18	7
25	10	11	13	15	15	13	15	16	15	11	9	8	6	8	10	11	11	12	15	16	14	13	12	11	12	16	6
26	11	11	9	10	12	14	14	15	14	11	9	8	7	8	9	9	10	11	12	14	12	10	9	11	11	15	7
27	11	12	13	13	14	14	14	15	16	13	10	8	7	8	10	10	11	14	13	14	14	15	15	14	12	16	7
28	13	14	13	14	17	18	18	17	16	14	10	8	6	5	7	8	9	12	10	10	8	7	9	9	11	18	5
29	9	9	10	10	11	9	10	10	9	9	7	6	6	6	6	6	7	7	10	11	10	11	10	9	9	11	6
30	9	11	10	10	10	10	9	9	9	7	7	6	6	5	7	7	8	9	11	13	13	13	14	13	9	14	5
31	13	13	11	10	12	12	10	9	10	9	9	8	7	8	8	8	9	10	11	11	10	10	10	9	10	13	7
Avg	22	22	23	23	24	24	24	25	24	20	18	17	16	16	17	17	18	19	20	21	21	22	22	22	21	--	--
Max	59	59	60	60	68	63	64	61	60	56	56	53	55	60	60	51	51	54	55	55	56	56	58	56	--	68	--
Min	5	7	9	8	7	8	8	8	7	6	7	6	5	5	5	5	5	5	5	6	6	7	7	6	--	--	5

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, SR_Wm2_2m"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	6.36	191	442	641	783	861	873	814	693	508	290	77.6	0.0742	0	0	0	0	0	258	873	0
2	0	0	0	0	0	0	5.84	188	442	639	782	862	866	799	681	505	285	75.2	0.0483	0	0	0	0	0	255	866	0
3	0	0	0	0	0	0	6.3	182	443	639	781	859	869	803	679	500	280	71	0	0	0	0	0	0	255	869	0
4	0	0	0	0	0	0	7.99	164	416	608	747	821	832	771	650	479	266	66.3	0.011	0	0	0	0	0	243	832	0
5	0	0	0	0	0	0	17.5	149	337	587	728	808	819	758	639	465	255	60	0	0	0	0	0	0	234	819	0
6	0	0	0	0	0	0	5.63	162	432	630	777	858	868	805	680	499	277	62.3	0	0	0	0	0	0	252	868	0
7	0	0	0	0	0	0	4.16	157	446	650	796	876	878	811	684	498	274	60.2	0	0	0	0	0	0	256	878	0
8	0	0	0	0	0	0	4.77	149	435	631	776	852	860	795	672	483	260	54.3	0	0	0	0	0	0	249	860	0
9	0	0	0	0	0	0	6.28	136	403	593	733	808	817	755	634	452	238	48.7	0	0	0	0	0	0	234	817	0
10	0	0	0	0	0	0	6.03	137	420	611	748	825	832	768	548	418	218	54.2	0	0	0	0	0	0	233	832	0
11	0	0	0	0	0	0	7.55	121	413	598	688	803	801	757	620	442	230	44.6	0	0	0	0	0	0	230	803	0
12	0	0	0	0	0	0	5.57	92	403	573	698	810	819	761	681	461	239	45.4	0	0	0	0	0	0	233	819	0
13	0	0	0	0	0	0	4.64	123	396	588	725	799	807	744	621	443	230	39.6	0	0	0	0	0	0	230	807	0
14	0	0	0	0	0	0	4.29	122	402	597	740	815	820	755	628	446	230	40	0	0	0	0	0	0	233	820	0
15	0	0	0	0	0	0	3.54	123	413	610	748	822	823	751	621	434	219	35.2	0	0	0	0	0	0	233	823	0
16	0	0	0	0	0	0	3.57	116	398	591	728	797	790	729	601	418	210	33	0	0	0	0	0	0	226	797	0
17	0	0	0	0	0	0	4.52	114	382	574	705	744	783	668	478	295	132	19.5	0	0	0	0	0	0	204	783	0
18	0	0	0	0	0	0	3.16	97.1	367	558	676	772	780	724	448	301	150	14.9	0	0	0	0	0	0	204	780	0
19	0	0	0	0	0	0	7.42	97.2	101	226	165	129	778	552	329	255	179	23.3	0	0	0	0	0	0	118	778	0
20	0	0	0	0	0	0	2.86	101	371	560	696	769	771	704	582	400	194	21.5	0	0	0	0	0	0	216	771	0
21	0	0	0	0	0	0	7	100	353	533	674	748	741	684	560	384	177	22.2	0	0	0	0	0	0	208	748	0
22	0	0	0	0	0	0	2.03	91.2	377	572	708	775	775	709	585	400	192	22.2	0	0	0	0	0	0	217	775	0
23	0	0	0	0	0	0	1.58	88.7	385	577	713	780	782	717	590	401	186	19.3	0	0	0	0	0	0	218	782	0
24	0	0	0	0	0	0	2	85.1	373	564	698	767	768	699	573	393	185	23.8	0	0	0	0	0	0	214	768	0
25	0	0	0	0	0	0	2.16	80.3	363	556	690	757	757	688	562	380	174	19.8	0	0	0	0	0	0	210	757	0
26	0	0	0	0	0	0	2.43	77.3	349	538	674	748	754	688	564	380	175	16.9	0	0	0	0	0	0	207	754	0
27	0	0	0	0	0	0	1.56	73.2	353	540	676	745	749	679	560	375	172	16	0	0	0	0	0	0	206	749	0
28	0	0	0	0	0	0	1.8	73.4	347	535	673	740	740	671	544	364	163	13.7	0	0	0	0	0	0	203	740	0
29	0	0	0	0	0	0	1.27	68.4	346	534	670	734	732	664	541	357	158	12.7	0	0	0	0	0	0	201	734	0
30	0	0	0	0	0	0	2.41	68.8	332	356	302	213	450	640	426	230	73.3	19.3	0	0	0	0	0	0	130	640	0
31	0	0	0	0	0	0	1.27	80	340	528	641	715	597	344	379	193	99.1	10.1	0	0	0	0	0	0	164	715	0
Avg	0	0	0	0	0	0	4.63	116	380	566	688	755	785	716	582	405	207	36.9	0.0043	0	0	0	0	0	218	--	--
Max	0	0	0	0	0	0	17.5	191	446	650	796	876	878	814	693	508	290	77.6	0.0742	0	0	0	0	0	--	878	--
Min	0	0	0	0	0	0	1.27	68.4	101	226	165	129	450	344	329	193	73.3	10.1	0	0	0	0	0	0	--	--	0

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, SR_Wm2_2m"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	0.881	60.5	316	489	642	710	715	650	527	349	150	10.5	0	0	0	0	0	0	192	715	0
2	0	0	0	0	0	0	0.988	56.5	319	373	620	612	729	642	522	344	146	9.64	0	0	0	0	0	0	182	729	0
3	0	0	0	0	0	0	1.05	52.6	245	406	618	608	682	561	474	264	83.5	4.6	0	0	0	0	0	0	167	682	0
4	0	0	0	0	0	0	0.885	49.1	209	209	317	274	610	437	359	340	170	11.2	0	0	0	0	0	0	124	610	0
5	0	0	0	0	0	0	0.679	45.1	157	403	407	702	681	667	506	153	67	8.34	0	0	0	0	0	0	158	702	0
6	0	0	0	0	0	0	0.517	46.6	152	379	544	684	704	548	510	337	126	4.47	0	0	0	0	0	0	168	704	0
7	0	0	0	0	0	0	0.104	35.9	121	196	287	374	423	298	269	125	51.9	2.54	0	0	0	0	0	0	91	423	0
8	0	0	0	0	0	0	0.655	34.7	290	470	607	680	696	600	485	255	127	5.07	0	0	0	0	0	0	177	696	0
9	0	0	0	0	0	0	0.254	30.9	300	480	611	681	688	623	501	323	130	7.7	0	0	0	0	0	0	182	688	0
10	0	0	0	0	0	0	0.209	29.1	295	470	601	654	617	613	499	319	122	4.26	0	0	0	0	0	0	176	654	0
11	0	0	0	0	0	0	0.205	26.4	287	471	604	678	683	621	502	326	114	6.06	0	0	0	0	0	0	180	683	0
12	0	0	0	0	0	0	0.0512	40.3	181	408	595	638	679	595	498	307	86.7	2.79	0	0	0	0	0	0	168	679	0
13	0	0	0	0	0	0	0.117	47.9	213	434	577	441	566	519	344	321	114	3.73	0	0	0	0	0	0	149	577	0
14	0	0	0	0	0	0	0.0375	32.2	222	464	588	667	656	608	453	324	94	3.06	0	0	0	0	0	0	171	667	0
15	0	0	0	0	0	0	0.0338	26.5	257	421	551	642	674	633	349	266	77.1	1.2	0	0	0	0	0	0	162	674	0
16	0	0	0	0	0	0	0	16.3	273	447	579	650	663	617	474	296	90.7	4.32	0	0	0	0	0	0	171	663	0
17	0	0	0	0	0	0	0.35	32.2	205	290	424	431	512	501	310	121	51.3	0.455	0	0	0	0	0	0	120	512	0
18	0	0	0	0	0	0	0	14.5	273	461	594	667	675	617	492	313	94.7	3.99	0	0	0	0	0	0	175	675	0
19	0	0	0	0	0	0	0	13.4	270	464	600	671	679	617	487	308	92.8	3.56	0	0	0	0	0	0	175	679	0
20	0	0	0	0	0	0	0	20.9	260	419	414	634	553	563	423	274	63.4	2.1	0	0	0	0	0	0	151	634	0
21	0	0	0	0	0	0	0	24.5	214	365	455	610	608	546	436	236	68.9	2.32	0	0	0	0	0	0	149	610	0
22	0	0	0	0	0	0	0.00675	25.7	225	437	565	628	639	575	454	283	84.5	2.15	0	0	0	0	0	0	163	639	0
23	0	0	0	0	0	0	0	12.8	244	440	576	648	650	588	463	294	87.4	2.37	0	0	0	0	0	0	167	650	0
24	0	0	0	0	0	0	0	10.5	236	423	552	625	634	578	456	287	86.7	2.58	0	0	0	0	0	0	162	634	0
25	0	0	0	0	0	0	0	10.5	231	417	549	623	633	577	451	285	85.7	2.3	0	0	0	0	0	0	161	633	0
26	0	0	0	0	0	0	0	14	224	408	533	617	626	566	443	274	81.5	2.51	0	0	0	0	0	0	158	626	0
27	0	0	0	0	0	0	0	9.46	226	418	550	627	637	584	326	138	33.9	0.271	0	0	0	0	0	0	148	637	0
28	0	0	0	0	0	0	0	11.2	220	416	550	619	620	541	452	183	53.8	0.961	0	0	0	0	0	0	153	620	0
29	0	0	0	0	0	0	0	18.6	164	199	443	459	462	358	258	175	41.5	0.463	0	0	0	0	0	0	107	462	0
30	0	0	0	0	0	0	0	9.7	41.1	106	211	264	264	164	107	75.9	28.1	0.384	0	0	0	0	0	0	52.9	264	0
Avg	0	0	0	0	0	0	0.234	28.6	229	393	525	594	622	553	428	263	90.1	3.86	0	0	0	0	0	0	155	--	--
Max	0	0	0	0	0	0	1.05	60.5	319	489	642	710	729	667	527	349	170	11.2	0	0	0	0	0	0	--	729	--
Min	0	0	0	0	0	0	0	9.46	41.1	106	211	264	264	164	107	75.9	28.1	0.271	0	0	0	0	0	0	--	--	0

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, SR_Wm2_2m"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	0	14.7	48.9	66.7	92.8	68.1	120	134	210	93.2	23.6	1.29	0	0	0	0	0	0	36.4	210	0
2	0	0	0	0	0	0	0.0005	3.49	86.2	358	271	384	549	378	335	272	67.4	1.04	0	0	0	0	0	0	113	549	0
3	0	0	0	0	0	0	0	10.6	176	358	482	543	575	540	317	205	76.8	0.85	0	0	0	0	0	0	137	575	0
4	0	0	0	0	0	0	0	11.7	169	360	517	586	607	481	375	182	75.8	1.48	0	0	0	0	0	0	140	607	0
5	0	0	0	0	0	0	0	2.52	24.3	84.5	151	133	90.7	78.1	77.6	108	36.7	1.85	0	0	0	0	0	0	32.8	151	0
6	0	0	0	0	0	0	0	8.89	176	386	532	609	609	553	439	276	88.4	1.78	0	0	0	0	0	0	153	609	0
7	0	0	0	0	0	0	0	8.34	189	416	560	634	647	586	471	301	101	2.49	0	0	0	0	0	0	163	647	0
8	0	0	0	0	0	0	0	7.4	177	393	530	608	622	565	450	287	96.5	1.91	0	0	0	0	0	0	156	622	0
9	0	0	0	0	0	0	0	6.19	175	393	532	611	624	571	454	287	70.1	0.341	0	0	0	0	0	0	155	624	0
10	0	0	0	0	0	0	0	11.8	153	330	513	483	440	288	241	151	48.9	1.08	0	0	0	0	0	0	111	513	0
11	0	0	0	0	0	0	0	7.42	131	349	498	708	671	564	379	289	77.6	1.31	0	0	0	0	0	0	153	708	0
12	0	0	0	0	0	0	0	8.82	140	260	405	434	396	353	214	288	86.5	1.57	0	0	0	0	0	0	108	434	0
13	0	0	0	0	0	0	0	5.3	160	385	524	605	619	566	450	288	100	1.57	0	0	0	0	0	0	154	619	0
14	0	0	0	0	0	0	0	8.45	137	368	504	580	588	532	419	266	92.3	2.55	0	0	0	0	0	0	146	588	0
15	0	0	0	0	0	0	0	5.91	152	377	518	596	609	555	441	283	98.2	1.99	0	0	0	0	0	0	152	609	0
16	0	0	0	0	0	0	0	16	111	255	244	204	256	213	279	225	52.2	0.485	0	0	0	0	0	0	77.3	279	0
17	0	0	0	0	0.191	0	0	9.14	75.9	134	240	281	159	127	139	335	128	4.69	0	0	0	0	0	0	68	335	0
18	0	0	0	0	0	0	0	5.3	143	346	494	576	594	551	440	282	103	3.83	0	0	0	0	0	0	147	594	0
19	0	0	0	0	0	0	0	6.81	132	347	490	575	594	553	442	286	103	2.91	0	0	0	0	0	0	147	594	0
20	0	0	0	0	0	0	0	5.42	135	362	505	587	606	559	446	291	106	3.21	0	0	0	0	0	0	150	606	0
21	0	0	0	0	0	0	0	4	99	359	514	601	624	578	466	302	112	4	0	0	0	0	0	0	153	624	0
22	0	0	0	0	0	0	0	5.67	134	361	510	599	615	570	459	300	113	3.14	0	0	0	0	0	0	153	615	0
23	0	0	0	0	0	0	0	7.28	105	236	312	382	394	487	409	183	49.6	1.72	0	0	0	0	0	0	107	487	0
24	0	0	0	0	0	0	0	4.46	130	359	503	578	603	556	446	308	101	8.04	0	0	0	0	0	0	150	603	0
25	0	0	0	0	0	0	0	9.47	98.4	351	527	600	448	307	220	137	99	7.37	0	0	0	0	0	0	117	600	0
26	0	0	0	0	0	0	0	4.04	125	360	503	586	607	498	427	215	77.8	3.69	0	0	0	0	0	0	142	607	0
27	0	0	0	0	0	0	0	9.26	95.1	317	518	554	519	520	412	255	92.2	1.54	0	0	0	0	0	0	137	554	0
28	0	0	0	0	0	0	0	3.31	126	367	515	604	628	579	470	310	120	3.89	0	0	0	0	0	0	155	628	0
29	0	0	0	0	0	0	0	3.6	122	363	510	599	620	576	467	311	124	4.51	0	0	0	0	0	0	154	620	0
30	0	0	0	0	0	0	0	3.87	126	363	512	599	625	581	474	315	126	5.12	0	0	0	0	0	0	155	625	0
31	0	0	0	0	0	0	0	7.13	105	246	343	433	372	335	334	185	62.8	3.23	0	0	0	0	0	0	101	433	0
Avg	0	0	0	0	0.0062	0	0	7.3	128	323	447	514	517	462	374	252	87.4	2.73	0	0	0	0	0	0	130	--	--
Max	0	0	0	0	0.191	0	0	16	189	416	560	708	671	586	474	335	128	8.04	0	0	0	0	0	0	--	708	--
Min	0	0	0	0	0	0	0	2.52	24.3	66.7	92.8	68.1	90.7	78.1	77.6	93.2	23.6	0.341	0	0	0	0	0	0	--	--	0

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, Temp_2m_C"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	23.2	22.9	21.8	21.7	21.5	20.8	21.4	23.0	25.9	27.5	29.0	29.8	31.1	31.2	31.2	31.8	31.4	30.6	28.7	27.2	26.3	25.2	24.4	23.5	26.3	31.8	20.8
2	22.9	22.6	22.4	21.8	21.4	21.5	21.6	22.3	24.8	26.4	27.7	28.1	28.6	29.4	29.7	29.5	28.4	27.4	25.7	24.5	23.0	22.6	21.9	22.0	24.8	29.7	21.4
3	21.5	20.9	20.5	19.9	20.1	20.5	21.0	22.7	25.4	27.4	28.8	30.2	31.6	32.9	33.1	33.0	32.3	31.0	28.8	27.4	26.2	25.8	24.8	25.2	26.3	33.1	19.9
4	24.9	23.4	23.2	22.9	22.3	21.9	22.2	24.9	27.9	30.4	31.1	32.9	33.8	34.2	34.7	33.6	32.7	31.5	29.9	28.8	28.3	28.3	28.0	28.6	28.4	34.7	21.9
5	28.0	27.6	27.6	26.9	25.8	25.6	25.2	25.9	27.5	29.6	31.1	32.6	33.3	33.6	33.6	33.2	32.5	31.3	29.9	28.6	27.4	26.6	26.0	25.2	28.9	33.6	25.2
6	24.7	24.3	23.8	23.3	22.3	21.8	22.0	23.2	26.8	28.2	29.2	30.1	30.6	31.4	31.5	31.4	30.6	29.3	27.5	25.8	24.5	23.8	24.3	25.3	26.5	31.5	21.8
7	24.6	24.1	23.3	22.4	23.9	24.1	23.3	22.1	24.7	26.7	28.5	30.4	31.3	31.8	32.1	31.8	31.4	29.6	27.1	24.8	23.8	22.7	21.8	21.7	26.2	32.1	21.7
8	21.1	20.8	20.8	21.2	21.4	21.0	18.8	22.2	25.0	26.7	28.4	29.6	30.5	30.5	30.4	31.0	30.2	29.1	26.7	25.0	23.9	24.3	23.5	23.2	25.2	31.0	18.8
9	21.9	21.3	21.2	19.8	19.4	19.1	18.6	19.9	22.4	24.1	24.5	25.0	26.2	26.2	26.7	26.9	26.7	25.5	24.1	22.6	21.3	20.7	20.5	20.4	22.7	26.9	18.6
10	20.2	19.9	20.3	20.3	19.9	19.7	19.4	19.8	20.6	22.0	23.6	25.8	27.2	28.3	28.8	28.8	28.2	27.2	25.9	25.3	25.0	24.6	24.0	23.7	23.7	28.8	19.4
11	23.2	22.6	22.2	22.1	22.0	21.5	21.1	21.7	22.9	24.7	26.7	29.4	31.3	32.2	32.8	32.0	31.2	30.2	28.7	26.9	25.4	25.2	24.3	23.6	26.0	32.8	21.1
12	24.0	23.3	23.0	22.4	21.6	22.2	22.1	22.0	26.1	28.3	29.3	30.4	30.9	30.8	30.9	30.9	30.3	29.1	26.8	25.3	24.0	23.8	23.2	23.0	26.0	30.9	21.6
13	22.3	22.0	22.0	21.1	21.0	20.4	20.1	21.8	25.0	27.4	29.5	30.9	30.8	31.1	31.2	30.8	30.3	29.2	26.9	25.0	24.1	23.4	22.7	22.5	25.5	31.2	20.1
14	21.9	21.5	21.0	20.8	20.4	20.2	19.2	20.4	24.3	26.8	28.5	28.9	29.6	30.2	30.7	30.6	29.8	28.3	26.6	25.0	23.3	23.2	22.5	23.1	24.9	30.7	19.2
15	23.7	22.7	22.2	22.1	22.3	22.1	22.2	22.1	24.7	27.2	28.5	29.7	31.5	32.6	32.9	32.7	32.4	31.0	29.0	29.0	28.6	28.1	27.4	26.5	27.1	32.9	22.1
16	25.1	24.5	23.7	23.8	23.7	23.6	21.9	23.4	25.1	26.6	28.1	29.1	30.3	31.2	31.8	32.0	31.6	30.1	28.9	27.3	27.5	27.3	27.1	26.9	27.1	32.0	21.9
17	26.5	26.3	26.0	25.1	23.8	23.8	23.5	23.7	26.3	28.0	29.7	31.4	32.3	33.5	33.3	32.8	31.8	30.6	29.4	27.8	26.4	26.1	25.1	24.6	27.8	33.5	23.5
18	24.0	23.8	23.5	23.2	23.3	23.6	22.3	23.4	27.6	28.8	30.2	31.1	31.9	32.1	31.4	31.5	30.7	29.3	28.2	27.4	26.7	26.2	26.5	25.8	27.2	32.1	22.3
19	25.7	25.2	25.3	23.8	24.4	24.4	23.8	24.6	26.0	26.7	27.0	27.4	30.1	30.9	30.7	30.5	30.0	28.6	26.9	24.8	24.1	23.7	23.5	22.8	26.3	30.9	22.8
20	22.0	21.6	21.3	20.9	19.9	19.8	19.8	20.4	24.0	25.4	26.7	28.2	28.2	27.8	28.4	28.2	27.1	25.7	23.5	22.4	21.0	20.2	19.7	18.9	23.4	28.4	18.9
21	18.3	17.9	17.0	17.2	16.5	15.8	15.9	16.3	18.8	20.2	21.3	22.6	23.2	24.1	24.6	24.7	24.3	23.2	22.0	21.0	19.9	19.5	19.3	18.9	20.1	24.7	15.8
22	20.4	19.3	18.3	18.8	18.9	19.0	20.5	19.7	22.6	24.6	26.4	27.4	28.9	29.3	30.4	30.7	29.7	27.9	25.5	23.4	23.2	23.3	24.0	23.7	24.0	30.7	18.3
23	23.6	23.5	21.6	21.5	21.4	21.7	21.0	21.6	25.7	28.3	30.4	32.0	33.0	32.3	31.9	32.2	31.7	30.2	27.5	27.6	29.2	27.1	25.3	28.1	27.0	33.0	21.0
24	28.3	28.0	27.6	27.7	27.3	26.6	26.5	26.5	25.8	26.6	28.1	29.0	29.6	30.4	30.6	30.3	30.0	28.7	27.2	26.4	25.8	25.6	25.1	24.8	27.6	30.6	24.8
25	24.2	24.0	23.9	23.8	23.3	23.3	22.8	22.2	23.0	24.4	26.1	27.5	28.7	29.6	30.2	30.7	29.8	28.3	27.1	26.4	25.7	25.1	24.5	24.2	25.8	30.7	22.2
26	23.7	23.2	22.7	21.8	20.8	19.8	19.5	21.0	24.4	25.7	26.9	27.6	28.0	28.5	28.5	28.3	27.8	26.4	24.6	24.2	23.0	21.6	21.5	21.1	24.2	28.5	19.5
27	20.1	20.1	20.7	21.1	20.6	20.9	20.1	19.7	22.1	24.7	26.4	27.5	28.3	28.6	28.5	29.0	28.0	26.2	24.4	22.8	22.2	22.8	21.1	21.3	23.6	29.0	19.7
28	21.1	20.9	21.6	20.5	20.9	20.2	19.4	20.0	21.9	22.5	23.8	25.2	26.7	28.2	28.7	28.8	28.2	26.5	24.7	22.9	22.4	22.5	23.6	23.8	23.5	28.8	19.4
29	23.4	22.3	21.7	21.9	21.8	20.9	20.6	20.5	21.9	23.4	25.0	27.0	28.5	28.7	29.6	29.5	29.2	27.1	25.0	23.6	22.1	21.4	21.0	20.3	24.0	29.6	20.3
30	19.9	19.8	20.0	19.3	19.2	18.2	18.3	18.6	22.2	23.7	23.7	23.6	24.3	25.8	26.3	25.9	25.4	24.8	22.9	22.0	21.9	21.5	21.2	20.5	22.0	26.3	18.2
31	20.4	18.5	18.0	18.0	18.1	17.0	16.2	16.2	19.9	21.8	22.9	23.1	23.7	22.9	22.9	22.6	22.0	21.3	20.2	19.4	18.5	17.8	18.5	17.8	19.9	23.7	16.2
Avg	23.1	22.5	22.2	21.8	21.6	21.3	21.0	21.7	24.2	26.0	27.3	28.5	29.5	30.0	30.3	30.2	29.5	28.2	26.5	25.2	24.3	23.9	23.4	23.3	25.2	--	--
Max	28.3	28.0	27.6	27.7	27.3	26.6	26.5	26.5	27.9	30.4	31.1	32.9	33.8	34.2	34.7	33.6	32.7	31.5	29.9	29.0	29.2	28.3	28.0	28.6	--	34.7	--
Min	18.3	17.9	17.0	17.2	16.5	15.8	15.9	16.2	18.8	20.2	21.3	22.6	23.2	22.9	22.9	22.6	22.0	21.3	20.2	19.4	18.5	17.8	18.5	17.8	--	--	15.8

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, Temp_2m_C"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	18.0	17.3	17.1	16.3	16.1	16.9	17.9	17.6	19.3	21.8	23.5	23.6	24.0	23.9	24.0	23.9	23.3	22.2	21.1	19.9	18.8	18.9	17.9	17.1	20.0	24.0	16.1
2	16.5	16.5	16.6	16.7	16.5	17.1	17.3	16.9	19.4	21.3	22.7	23.0	23.4	23.8	23.7	23.5	22.5	21.3	20.5	19.3	18.9	18.0	18.8	18.0	19.7	23.8	16.5
3	17.3	17.1	16.8	16.5	16.0	15.8	15.8	16.0	19.1	21.3	23.1	24.0	24.8	24.6	24.5	24.1	23.3	22.4	21.7	22.0	21.1	21.1	20.8	21.4	20.4	24.8	15.8
4	21.4	21.5	21.7	20.4	20.2	20.3	19.9	20.1	21.2	22.6	23.2	23.1	24.3	25.1	24.3	24.6	24.2	23.3	22.5	20.8	20.0	19.6	19.2	18.6	21.8	25.1	18.6
5	18.3	18.5	18.3	17.9	17.4	17.1	16.1	17.1	17.6	19.0	20.3	22.5	22.1	22.5	23.0	22.2	21.4	20.8	19.7	18.6	18.1	17.1	16.6	15.9	19.1	23.0	15.9
6	15.8	15.7	15.5	15.3	15.1	15.0	15.2	16.3	17.3	19.3	21.3	22.3	23.2	23.3	23.7	23.9	23.1	21.7	20.9	20.7	20.6	19.8	19.7	20.0	19.4	23.9	15.0
7	19.2	18.5	18.2	17.1	17.1	17.4	17.6	18.3	19.4	20.8	21.9	22.6	23.1	23.2	22.9	22.6	21.9	21.1	20.5	20.3	19.8	19.5	19.4	19.1	20.1	23.2	17.1
8	19.2	18.7	16.7	16.4	16.3	15.4	14.8	14.4	17.3	19.7	22.0	22.6	22.6	23.5	23.6	23.6	23.3	22.2	21.1	19.8	20.4	19.9	18.8	18.2	19.6	23.6	14.4
9	19.0	19.7	20.2	20.0	20.4	19.7	18.5	19.6	21.0	22.5	24.5	25.7	26.6	26.8	26.8	26.6	25.5	23.9	22.6	20.5	19.5	19.3	19.3	18.5	21.9	26.8	18.5
10	18.5	17.9	19.4	19.4	19.2	19.0	18.6	18.8	21.4	23.3	24.9	25.9	25.7	26.4	26.4	26.1	25.6	23.8	22.3	20.4	19.7	19.1	19.5	18.3	21.7	26.4	17.9
11	18.0	17.9	17.4	17.0	16.4	16.7	17.6	18.3	19.6	22.4	24.2	25.0	25.4	26.0	26.2	26.3	25.6	23.8	22.0	20.0	19.3	19.1	18.9	18.7	20.9	26.3	16.4
12	18.4	18.1	18.5	17.9	19.0	19.0	18.8	19.4	21.0	23.2	25.7	27.8	28.9	29.2	28.0	27.7	26.9	25.4	23.5	22.0	22.1	22.0	20.8	22.3	22.7	29.2	17.9
13	21.9	20.1	20.0	20.0	19.8	21.0	19.5	19.2	22.5	24.6	26.4	27.0	27.9	27.7	27.3	27.6	27.0	25.4	23.6	22.2	21.3	20.6	20.1	19.3	23.0	27.9	19.2
14	19.4	19.1	19.1	19.3	18.3	18.0	17.9	20.2	21.6	24.8	26.2	26.4	26.9	27.2	27.1	27.1	25.5	23.8	21.8	20.3	19.9	19.2	18.7	18.7	21.9	27.2	17.9
15	17.8	19.3	19.2	17.4	18.7	18.8	18.4	18.6	20.1	22.0	24.7	26.3	27.4	27.7	27.0	26.3	25.2	23.7	21.9	20.8	20.6	19.9	19.2	18.9	21.7	27.7	17.4
16	19.0	18.2	18.1	18.7	19.6	19.4	19.4	20.8	22.9	24.4	25.5	26.7	27.3	27.5	27.1	26.9	26.3	24.5	22.7	21.1	20.0	19.6	18.7	18.7	22.2	27.5	18.1
17	18.9	18.8	18.2	17.8	17.1	17.4	17.1	18.3	19.8	21.7	23.8	23.1	23.3	23.8	23.6	22.5	21.9	21.3	20.7	20.2	19.8	19.1	18.1	18.1	20.2	23.8	17.1
18	16.7	17.2	15.8	16.0	15.5	15.0	16.2	15.5	17.2	18.5	19.5	20.3	20.8	21.4	22.1	22.2	21.2	20.1	19.5	18.5	16.8	16.8	17.0	16.4	18.2	22.2	15.0
19	16.2	18.2	17.7	17.2	16.7	17.0	17.1	16.2	17.0	18.1	19.1	20.3	21.9	22.8	22.9	23.2	21.8	20.3	19.3	19.2	17.6	16.4	16.8	17.8	18.8	23.2	16.2
20	17.6	17.1	17.2	16.9	16.3	16.7	16.3	16.2	17.6	18.8	19.7	21.7	23.0	23.1	23.5	23.2	21.7	20.3	18.7	17.5	16.8	16.2	15.8	15.3	18.6	23.5	15.3
21	15.3	14.8	14.9	14.3	14.6	14.9	15.1	15.9	16.7	19.8	20.4	22.8	25.0	23.7	23.9	23.5	22.5	21.3	19.9	18.8	19.0	20.1	20.5	21.8	19.1	25.0	14.3
22	21.8	22.3	23.3	22.6	22.0	21.5	21.4	21.1	21.6	22.6	23.5	24.9	25.7	26.8	27.1	27.5	26.6	24.7	22.7	22.2	22.7	22.4	23.4	21.9	23.4	27.5	21.1
23	20.8	20.0	18.8	19.6	19.4	20.2	19.6	19.4	21.5	23.8	24.6	26.6	28.4	28.4	27.8	27.4	26.9	25.0	22.4	21.0	20.5	21.4	21.1	20.1	22.7	28.4	18.8
24	19.9	19.1	20.2	20.5	20.6	19.7	20.2	19.2	20.5	22.8	25.0	26.6	26.6	27.0	27.2	27.4	26.2	24.2	22.6	20.9	20.3	20.7	20.0	18.7	22.3	27.4	18.7
25	18.5	18.5	18.2	18.1	18.2	18.4	18.6	18.7	21.1	22.4	25.0	26.8	27.1	27.3	27.2	26.8	26.2	24.3	21.9	20.7	20.0	19.9	19.9	20.0	21.8	27.3	18.1
26	21.1	21.5	20.7	21.0	19.8	19.6	18.8	19.1	21.6	23.9	26.5	28.3	30.0	31.1	31.6	30.9	28.9	26.2	25.4	25.1	25.0	24.5	23.7	23.2	24.5	31.6	18.8
27	23.4	23.2	22.5	22.3	21.7	20.2	20.5	21.8	22.4	24.3	25.8	27.4	27.8	28.8	27.6	25.1	23.9	22.6	21.3	20.1	19.1	18.6	16.6	15.0	22.6	28.8	15.0
28	14.5	14.5	14.2	12.2	11.8	11.1	12.2	12.4	13.7	16.2	19.4	21.0	21.9	21.8	23.0	22.6	20.5	18.9	18.1	19.7	19.8	19.9	19.7	20.0	17.5	23.0	11.1
29	19.8	20.2	20.3	19.8	19.4	19.1	18.8	18.5	18.8	19.4	20.2	21.7	22.5	23.0	22.9	22.8	21.8	20.6	20.7	20.6	20.8	20.3	20.3	20.3	20.5	23.0	18.5
30	20.5	20.2	20.4	20.5	19.6	18.8	18.5	18.9	19.9	20.8	21.5	22.8	23.6	23.9	23.9	23.6	21.9	20.2	19.8	20.8	21.0	21.1	20.6	20.9	21.0	23.9	18.5
Avg	18.8	18.6	18.5	18.2	18.0	17.9	17.8	18.1	19.7	21.5	23.1	24.3	25.0	25.4	25.3	25.1	24.1	22.6	21.4	20.5	20.0	19.7	19.3	19.0	20.9	--	--
Max	23.4	23.2	23.3	22.6	22.0	21.5	21.4	21.8	22.9	24.8	26.5	28.3	30.0	31.1	31.6	30.9	28.9	26.2	25.4	25.1	25.0	24.5	23.7	23.2	--	31.6	--
Min	14.5	14.5	14.2	12.2	11.8	11.1	12.2	12.4	13.7	16.2	19.1	20.3	20.8	21.4	22.1	22.2	20.5	18.9	18.1	17.5	16.8	16.2	15.8	15.0	--	--	11.1

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, Temp_2m_C"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	20.8	21.2	21.1	20.9	20.7	20.2	20.2	20.0	20.4	20.6	20.9	20.3	20.2	21.4	22.0	22.3	21.6	20.7	19.3	18.8	19.7	18.8	18.6	19.5	20.4	22.3	18.6
2	20.2	19.6	19.5	20.2	19.8	20.1	19.3	20.2	19.3	22.4	23.1	24.0	24.7	25.5	25.1	25.0	24.2	22.7	22.0	21.6	20.8	21.0	20.8	20.7	21.8	25.5	19.3
3	20.2	18.7	17.4	17.0	16.8	16.5	15.7	15.4	17.5	20.7	21.5	22.1	22.7	23.1	22.9	22.4	22.0	20.4	18.9	18.3	17.7	17.4	16.8	16.8	19.1	23.1	15.4
4	16.1	15.2	14.8	14.5	14.0	13.3	13.2	12.7	15.2	17.2	19.1	20.0	20.2	19.9	19.3	18.5	17.8	16.6	15.7	14.8	13.5	13.1	12.5	12.4	15.8	20.2	12.4
5	12.4	12.5	13.0	13.1	13.1	12.8	12.2	13.0	13.9	14.2	14.7	15.0	14.6	15.3	15.3	15.4	15.8	15.7	15.4	14.8	15.6	16.0	15.3	15.2	14.3	16.0	12.2
6	14.7	14.1	14.2	14.5	13.8	13.4	13.1	13.3	14.2	15.3	15.5	16.6	17.7	18.6	18.9	19.0	18.6	17.5	16.3	15.4	15.8	14.8	14.2	13.5	15.5	19.0	13.1
7	12.7	11.4	10.2	9.6	8.9	8.0	7.3	6.6	6.6	7.5	9.5	10.4	11.1	12.2	12.9	12.9	12.3	11.4	11.2	10.2	10.0	9.3	8.7	8.3	10.0	12.9	6.6
8	7.6	7.8	7.7	7.0	7.7	7.4	6.1	6.1	8.4	11.2	12.9	13.5	14.3	15.2	15.8	15.9	15.1	13.5	11.9	10.9	10.5	9.9	9.7	9.7	10.7	15.9	6.1
9	11.0	9.7	10.7	12.5	14.7	14.2	13.7	13.4	14.6	16.1	16.8	18.3	19.4	20.3	20.5	20.3	18.9	17.7	17.1	17.2	16.8	17.1	16.7	16.4	16.0	20.5	9.7
10	17.7	17.4	17.0	16.3	16.9	16.0	15.2	14.7	15.8	17.4	19.0	20.0	20.7	21.0	20.9	20.6	19.8	19.5	18.9	18.8	18.8	18.4	18.1	17.3	18.2	21.0	14.7
11	16.9	16.2	15.8	15.4	16.7	16.6	16.8	17.0	17.7	18.4	18.3	20.0	21.5	22.5	22.4	22.3	21.3	19.7	18.0	16.2	16.8	15.0	14.9	14.1	17.9	22.5	14.1
12	14.3	13.6	13.6	14.9	15.4	16.1	16.7	15.7	16.6	18.6	18.9	20.0	20.0	20.0	19.4	19.8	19.7	18.8	18.9	18.5	18.5	18.0	16.2	15.3	17.4	20.0	13.6
13	16.1	16.4	14.6	13.5	14.3	13.5	12.7	12.3	13.7	16.6	18.2	20.0	21.0	21.8	22.7	22.6	20.8	18.6	16.2	15.0	14.6	13.8	13.2	13.4	16.5	22.7	12.3
14	12.7	12.1	11.7	11.6	11.9	11.1	10.4	10.5	12.5	15.3	17.4	18.0	18.9	19.5	19.4	18.9	18.0	16.5	16.0	16.0	15.6	14.9	14.6	14.1	14.9	19.5	10.4
15	13.8	13.6	13.2	13.2	12.8	12.1	11.3	11.1	11.7	13.1	14.4	16.1	16.9	17.7	18.0	18.4	18.0	16.2	15.0	13.8	13.8	13.8	13.4	12.3	14.3	18.4	11.1
16	12.5	12.6	12.1	11.7	11.8	11.5	11.8	11.1	10.9	11.4	12.7	13.3	14.2	15.0	16.0	17.0	15.6	14.2	14.0	12.7	12.7	12.9	13.1	12.9	13.1	17.0	10.9
17	11.7	11.9	11.0	11.7	8.8	9.3	10.0	9.7	10.0	10.3	10.4	10.7	10.8	10.8	10.9	12.4	12.0	11.4	11.0	10.9	11.0	10.6	10.6	11.0	10.8	12.4	8.8
18	10.9	10.2	9.6	9.4	8.9	8.5	8.1	8.0	8.4	10.6	12.9	14.5	14.7	15.0	15.1	14.8	14.0	12.8	12.0	10.6	10.0	10.0	9.4	9.4	11.2	15.1	8.0
19	8.5	8.3	7.9	8.1	7.6	7.4	7.1	7.1	7.8	10.9	12.7	14.2	14.8	15.2	14.9	15.0	14.2	12.7	11.9	10.7	10.3	9.8	10.2	9.7	10.7	15.2	7.1
20	9.4	9.5	10.1	10.2	10.8	10.7	10.6	10.4	10.0	13.2	15.0	16.1	17.9	18.6	18.6	18.4	17.4	15.1	13.8	14.3	14.2	13.4	13.5	13.2	13.5	18.6	9.4
21	13.4	12.4	12.0	11.2	8.8	8.1	7.7	7.1	6.0	6.6	7.5	8.0	8.1	8.1	8.2	7.9	7.4	6.5	6.0	5.5	4.5	3.8	3.4	2.9	7.5	13.4	2.9
22	3.0	2.4	2.4	2.4	2.1	3.9	2.5	2.5	4.1	5.5	8.3	8.9	10.1	10.4	10.3	10.5	10.3	8.9	7.9	6.8	5.6	5.4	6.5	7.5	6.2	10.5	2.1
23	7.0	8.4	7.7	7.3	8.0	9.0	9.1	9.2	9.8	11.8	12.7	13.9	14.9	16.7	18.3	17.5	16.0	14.3	12.8	11.7	11.8	11.5	10.7	10.5	11.7	18.3	7.0
24	10.3	10.2	10.8	10.6	11.8	11.8	10.4	11.6	13.5	15.9	18.1	18.9	20.7	20.8	20.5	20.9	19.3	17.4	15.8	14.9	13.5	13.4	13.2	14.6	15.0	20.9	10.2
25	15.4	13.7	12.5	11.7	11.3	12.8	11.4	11.3	11.8	15.7	18.1	20.0	20.1	19.6	18.8	18.3	18.2	16.5	14.1	13.3	13.1	12.7	12.6	12.5	14.8	20.1	11.3
26	12.1	11.9	11.8	12.0	11.3	10.8	10.6	10.9	12.0	15.2	18.1	19.7	20.4	20.1	19.7	19.1	18.5	17.2	15.9	14.8	14.9	14.8	13.6	13.7	15.0	20.4	10.6
27	14.4	14.0	15.0	14.8	14.3	13.9	14.1	13.3	14.4	16.4	19.9	21.9	23.0	23.1	22.3	21.5	20.9	18.4	17.6	16.7	17.0	16.2	15.8	16.1	17.3	23.1	13.3
28	17.0	15.5	17.1	16.0	14.2	13.3	13.1	13.1	14.0	17.0	20.2	22.5	23.7	25.4	24.6	23.5	22.7	20.4	19.0	18.1	18.9	19.2	17.8	18.2	18.5	25.4	13.1
29	16.2	15.9	15.7	15.5	15.1	15.5	14.9	15.8	17.2	18.9	21.3	23.0	24.1	24.5	24.8	24.6	23.8	22.0	18.8	17.7	18.1	16.7	17.6	18.2	19.0	24.8	14.9
30	18.1	15.7	16.3	16.5	16.2	16.0	16.3	16.9	17.1	19.8	21.9	23.5	24.4	25.2	24.0	23.2	22.7	20.8	18.1	16.5	15.4	15.0	14.8	14.5	18.7	25.2	14.5
31	13.6	13.5	13.9	14.2	13.2	13.7	14.5	16.2	15.8	17.4	19.4	20.8	21.2	20.6	20.7	20.6	19.7	18.1	16.5	15.7	16.4	15.3	14.3	14.5	16.7	21.2	13.2
Avg	13.6	13.1	12.9	12.8	12.6	12.5	12.1	12.1	12.9	14.9	16.4	17.5	18.3	18.8	18.8	18.7	18.0	16.5	15.4	14.6	14.4	13.9	13.6	13.5	14.9	--	--
Max	20.8	21.2	21.1	20.9	20.7	20.2	20.2	20.2	20.4	22.4	23.1	24.0	24.7	25.5	25.1	25.0	24.2	22.7	22.0	21.6	20.8	21.0	20.8	20.7	--	25.5	--
Min	3.0	2.4	2.4	2.4	2.1	3.9	2.5	2.5	4.1	5.5	7.5	8.0	8.1	8.1	8.2	7.9	7.4	6.5	6.0	5.5	4.5	3.8	3.4	2.9	--	--	2.1

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, WD_10m"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	46	51	14	53	65	11	56	82	151	170	170	222	218	242	239	224	230	223	204	67	62	90	122	157	130	242	11
2	132	147	146	114	115	101	86	291	212	208	204	230	221	223	240	246	261	269	284	339	56	320	47	58	203	339	47
3	355	303	317	46	66	72	77	77	96	156	159	150	175	190	196	209	225	228	122	48	51	9	53	48	97	355	9
4	49	32	44	342	4	356	34	77	96	148	237	212	196	172	220	259	272	273	288	18	42	221	335	66	351	356	4
5	123	95	61	100	178	86	326	284	236	225	247	235	260	266	251	254	270	279	299	12	58	334	332	58	282	334	12
6	59	66	50	19	36	48	21	286	161	215	256	274	257	249	260	252	269	268	320	14	18	329	9	77	330	329	9
7	62	351	269	289	64	69	63	224	226	250	33	112	156	207	248	259	250	274	340	10	339	331	40	344	319	351	10
8	31	29	58	61	58	48	287	71	144	162	206	214	213	238	259	240	251	272	293	353	55	270	55	206	281	353	29
9	107	65	43	61	51	52	46	80	152	147	208	282	194	243	260	265	295	21	20	36	44	43	40	40	49	295	20
10	46	50	73	77	76	61	57	50	53	51	63	99	83	99	133	113	72	82	69	94	100	95	93	65	77	133	46
11	67	82	59	86	41	40	39	61	59	40	57	78	158	167	214	246	253	262	326	345	53	47	48	32	52	345	32
12	59	62	61	36	25	52	39	357	118	164	169	224	227	249	254	249	266	275	347	348	322	41	25	20	4	357	20
13	12	38	301	15	349	336	327	293	172	192	231	191	244	261	253	254	258	265	335	51	33	355	31	39	314	355	12
14	343	33	30	45	46	31	355	93	176	180	196	260	250	251	248	259	268	278	323	11	43	39	287	280	321	355	11
15	264	87	54	211	275	277	241	278	251	256	50	52	70	144	158	38	135	92	61	65	77	52	36	10	62	278	10
16	219	267	258	323	314	327	306	313	19	40	41	36	42	51	32	68	66	91	190	279	306	315	53	33	358	327	19
17	3	48	48	11	311	323	296	291	307	6	46	89	76	197	209	201	266	270	332	10	36	46	49	7	356	332	3
18	55	41	27	351	52	12	298	8	118	210	230	243	235	248	266	263	256	274	309	11	52	2	62	19	334	351	2
19	30	320	46	247	54	56	16	87	79	171	198	218	218	163	184	216	242	273	333	45	39	45	52	52	58	333	16
20	55	61	60	60	35	45	85	86	106	179	154	183	231	240	224	222	240	248	267	261	359	292	353	15	61	359	15
21	89	352	35	191	330	17	33	102	187	234	252	231	279	263	269	268	264	286	302	30	39	16	70	47	323	352	16
22	76	28	297	266	296	335	79	280	167	84	75	53	100	243	223	231	262	288	301	41	1	29	27	63	356	335	1
23	66	46	66	50	282	18	346	325	71	84	98	146	66	271	270	261	266	290	346	58	48	47	250	46	21	346	18
24	49	42	40	35	54	57	62	62	65	64	63	68	67	63	62	61	58	74	82	56	59	56	61	56	59	82	35
25	58	56	55	43	49	51	23	292	56	65	99	83	79	95	60	162	68	73	78	87	101	99	82	83	71	292	23
26	77	73	74	61	344	277	40	74	118	193	228	258	264	269	262	267	268	273	320	335	312	307	345	305	308	345	40
27	337	39	51	66	74	74	70	297	259	76	78	77	59	64	262	246	281	282	339	28	46	57	4	69	33	339	4
28	43	17	66	85	65	63	84	82	85	80	73	65	59	71	26	271	259	279	330	3	49	47	83	79	53	330	3
29	81	85	80	79	75	60	53	314	336	16	38	116	146	260	189	211	205	267	335	325	334	359	9	30	31	359	9
30	37	60	60	55	54	68	66	70	120	195	178	174	184	194	194	220	260	1	33	98	77	356	75	109	92	356	1
31	136	220	60	84	85	216	55	304	128	164	158	206	228	275	277	271	274	279	14	45	326	354	55	11	310	354	11
Avg	54	45	45	48	38	35	32	13	126	155	151	174	188	223	237	242	259	278	334	24	35	16	38	44	31	--	--
Max	355	352	317	351	349	356	355	357	336	256	256	282	279	275	277	271	295	290	347	353	359	359	353	344	--	359	--
Min	3	17	14	11	4	11	16	8	19	6	33	36	42	51	26	38	58	1	14	3	1	2	4	7	--	--	1

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, WD_10m"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	34	51	19	303	43	62	73	56	203	157	175	226	228	263	258	260	267	279	6	38	52	77	55	59	26	303	6
2	52	51	53	64	25	74	73	104	166	159	177	192	214	192	235	239	250	284	327	40	48	349	63	104	89	349	25
3	82	68	71	118	352	309	300	233	132	156	172	174	190	240	253	260	278	311	54	99	243	261	94	64	188	352	54
4	99	116	81	157	317	22	314	106	190	227	198	239	233	210	249	243	242	239	234	39	20	5	18	341	245	341	5
5	44	60	301	326	281	333	33	315	187	185	168	211	254	264	244	254	249	238	121	53	340	19	26	330	297	340	19
6	353	13	41	43	39	20	26	73	111	183	189	208	230	267	261	251	259	289	315	26	298	332	26	329	335	353	13
7	343	23	18	320	297	324	43	146	149	192	216	210	217	245	263	291	283	282	2	32	66	12	58	50	327	343	2
8	171	241	339	74	76	93	33	261	146	169	211	243	271	237	266	273	276	292	339	34	73	89	355	61	295	355	33
9	72	99	68	61	21	101	65	46	53	98	95	191	205	196	224	240	263	284	314	38	65	34	44	34	65	314	21
10	33	56	66	77	92	83	76	92	113	171	194	236	245	253	269	262	244	280	288	355	20	323	335	356	355	356	20
11	331	23	39	26	17	45	55	60	171	176	194	213	270	250	265	247	264	294	25	47	20	326	352	349	344	352	17
12	26	37	32	46	73	69	81	79	133	160	138	127	132	173	274	267	271	318	3	55	122	51	330	66	69	330	3
13	58	338	26	262	359	65	303	267	90	148	174	220	212	252	278	244	263	303	316	40	321	16	334	354	312	359	16
14	347	345	36	30	26	350	12	78	135	138	200	231	240	279	259	248	274	308	344	43	336	33	13	49	349	350	12
15	46	47	43	26	49	67	64	54	84	183	191	211	211	205	247	277	270	316	339	36	7	356	309	0	10	356	0
16	318	318	25	62	102	68	50	81	81	110	203	224	228	259	269	257	257	304	357	52	335	357	5	4	355	357	4
17	55	55	53	43	53	54	81	39	220	190	182	270	267	273	256	285	271	300	349	325	346	330	354	342	338	354	39
18	58	43	355	3	226	209	43	60	64	73	76	11	326	338	36	112	78	40	4	357	49	333	82	21	35	357	3
19	326	58	62	67	61	59	59	19	358	35	23	13	47	62	65	88	66	80	78	70	341	345	358	43	43	358	13
20	43	278	61	84	80	77	127	70	199	154	75	80	139	223	192	226	269	316	350	11	38	342	338	360	54	360	11
21	15	320	42	28	35	56	36	39	12	157	229	248	319	276	273	268	276	318	333	213	59	287	278	277	323	333	12
22	317	341	35	60	59	70	67	65	64	66	57	55	65	182	62	118	134	88	87	107	100	91	69	335	69	341	35
23	312	329	336	290	307	243	241	295	247	96	74	63	63	234	264	275	271	305	41	42	10	9	287	335	317	336	9
24	320	22	40	61	68	56	74	131	163	191	201	210	267	258	256	243	260	296	349	11	21	31	30	313	346	349	11
25	9	20	10	29	29	46	9	42	95	189	219	219	254	265	283	261	257	316	27	2	2	2	337	22	348	337	2
26	48	53	49	57	54	11	337	339	304	301	156	141	152	149	199	222	282	53	81	81	81	72	78	75	65	339	11
27	85	82	82	81	77	63	59	74	97	99	156	147	177	201	237	269	271	338	323	337	359	265	236	59	79	359	59
28	60	348	319	50	38	82	99	63	230	280	186	104	214	241	232	197	300	26	107	70	85	85	89	161	88	348	26
29	101	76	49	51	49	53	24	299	303	29	28	72	100	57	86	72	86	90	91	80	80	143	85	82	67	303	24
30	111	72	114	183	77	14	49	92	85	82	82	105	119	270	342	324	217	24	53	75	76	76	92	101	78	342	14
Avg	33	31	37	46	39	50	46	59	131	151	167	194	219	240	258	253	264	313	6	40	29	11	19	23	24	--	--
Max	353	348	355	326	359	350	337	339	358	301	229	270	326	338	342	324	300	338	357	357	359	357	358	360	--	360	--
Min	9	13	10	3	17	11	9	19	12	29	23	11	47	57	36	72	66	24	2	2	2	2	5	0	--	--	0

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, WD_10m"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	291	52	47	56	80	101	91	84	84	88	67	67	67	82	101	85	69	82	38	83	64	328	77	67	70	328	38
2	78	91	77	75	80	72	48	98	159	88	165	152	293	111	18	61	124	91	68	78	98	66	56	69	85	293	18
3	76	42	16	16	12	54	34	350	74	156	232	274	263	247	251	244	208	288	53	47	38	62	48	70	22	350	12
4	31	58	58	54	341	62	298	38	71	162	191	200	228	250	266	263	252	285	2	268	26	1	161	282	322	341	1
5	341	55	70	30	282	250	242	270	37	322	250	143	94	82	59	82	79	95	135	325	49	56	4	57	45	341	4
6	66	88	88	68	84	46	23	66	69	73	59	70	58	47	43	51	31	22	36	35	30	37	46	56	54	88	22
7	45	45	49	44	46	48	46	36	43	61	29	33	33	33	41	31	31	26	24	180	129	159	250	251	44	251	24
8	237	118	73	22	65	27	1	16	343	110	77	273	256	249	261	262	288	310	13	44	303	20	340	357	349	357	1
9	26	293	15	43	72	64	74	37	72	38	260	94	76	90	87	83	59	96	119	119	119	71	64	97	71	293	15
10	64	60	73	99	59	84	101	138	103	92	116	109	104	147	78	68	106	202	148	127	80	52	69	302	95	302	52
11	288	250	269	290	28	59	63	69	68	64	60	57	246	99	135	130	86	116	66	11	355	344	312	281	40	355	11
12	291	322	29	42	50	65	60	66	52	22	3	88	85	92	58	48	38	67	61	115	85	5	32	188	52	322	3
13	84	48	297	321	301	306	303	306	317	32	204	96	103	121	176	204	288	316	25	48	27	342	42	38	358	342	25
14	348	0	15	43	48	12	340	9	70	85	179	172	152	202	247	261	216	31	33	43	47	94	65	87	47	348	0
15	77	44	22	42	41	11	302	136	81	72	60	76	81	91	89	232	202	111	91	80	96	166	213	178	86	302	11
16	267	229	260	12	15	124	128	285	140	56	65	68	70	78	132	194	223	66	79	104	87	78	81	129	95	285	12
17	113	53	97	86	91	80	58	76	62	48	57	68	82	90	13	54	81	108	119	316	41	57	79	61	70	316	13
18	61	80	67	53	63	346	353	52	286	196	212	187	255	261	264	262	272	293	356	33	12	32	53	338	350	356	12
19	308	311	14	36	25	347	356	35	184	180	173	209	235	273	263	246	269	297	334	39	69	48	40	359	332	359	14
20	29	32	72	43	69	77	78	77	183	97	98	110	189	195	182	221	224	276	48	77	100	79	111	110	99	276	29
21	108	60	97	232	288	295	271	256	257	247	257	261	263	270	264	265	267	261	193	327	350	29	50	103	273	350	29
22	35	291	49	38	335	36	88	359	50	147	319	238	222	253	252	273	262	293	319	38	324	72	2	50	345	359	2
23	346	79	53	31	52	72	75	133	104	107	101	102	96	75	101	87	86	91	187	40	92	35	16	3	75	346	3
24	293	356	47	309	66	59	14	37	74	83	159	215	202	266	265	242	285	323	87	8	325	0	27	44	2	356	0
25	73	352	--	314	272	4	296	309	303	234	186	176	212	255	284	281	296	255	39	331	21	9	321	11	306	352	4
26	315	288	29	37	339	315	350	322	275	222	199	176	211	261	292	280	273	333	56	259	58	7	32	196	305	350	7
27	2	52	62	70	54	44	37	321	317	297	224	223	119	155	273	289	255	64	32	27	21	349	12	45	15	349	2
28	69	41	77	18	18	343	348	14	318	284	302	263	269	111	262	285	269	335	59	45	345	33	33	20	354	348	14
29	19	23	316	308	19	21	5	45	93	295	238	222	205	233	248	270	270	306	10	35	338	29	51	43	341	338	5
30	51	33	58	68	63	62	74	80	94	84	110	194	210	204	278	291	285	314	29	326	353	358	46	19	38	358	19
31	18	24	55	52	21	236	74	80	60	69	106	179	202	255	268	264	288	11	45	8	93	6	39	54	38	288	6
Avg	24	33	47	34	35	38	29	38	64	86	147	153	176	168	266	266	271	358	52	37	43	35	41	47	42	--	--
Max	348	356	316	321	341	347	356	359	343	322	319	274	293	273	292	291	296	335	356	331	355	358	340	359	--	359	--
Min	2	0	14	12	12	4	1	9	37	22	3	33	33	33	13	31	31	11	2	8	12	0	2	3	--	--	0

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, WS_ms_10m"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	2.0	2.1	0.6	1.6	1.1	1.2	1.4	1.2	1.1	2.1	2.7	3.7	4.3	5.6	5.4	4.7	4.1	3.7	1.6	0.7	0.8	0.9	1.1	1.0	2.3	5.6	0.6
2	1.3	2.7	2.0	1.5	1.1	1.0	0.8	0.5	3.5	5.2	5.1	5.6	4.6	5.0	5.8	6.0	4.6	3.1	2.0	0.6	0.8	0.6	1.2	2.0	2.8	6.0	0.5
3	1.2	0.8	0.6	0.8	1.2	2.7	4.3	5.2	4.2	3.4	4.2	4.2	5.2	5.8	5.7	5.5	4.6	3.1	1.1	0.8	1.6	0.7	1.6	2.3	2.9	5.8	0.6
4	2.0	0.8	1.0	1.0	0.4	0.5	1.4	4.3	2.3	1.6	2.0	2.9	3.7	3.4	4.7	4.7	3.8	3.5	1.5	1.1	1.8	0.9	0.7	2.4	2.2	4.7	0.4
5	1.3	0.9	1.4	2.0	1.0	0.6	0.2	0.6	0.6	1.1	1.9	2.6	3.3	4.0	4.1	3.9	4.3	3.1	1.5	0.7	1.0	0.3	0.2	0.9	1.7	4.3	0.2
6	0.9	1.1	1.3	0.8	0.3	0.6	0.9	0.4	0.9	1.2	2.5	4.0	3.8	4.1	4.4	4.3	4.6	3.3	1.2	0.7	0.9	0.8	1.4	4.1	2.0	4.6	0.3
7	4.9	3.2	2.9	2.5	8.6	7.3	3.4	3.1	1.6	2.3	2.3	4.0	3.0	2.8	3.1	2.9	3.5	3.3	1.0	0.7	0.7	0.4	1.1	0.7	2.9	8.6	0.4
8	0.9	1.1	2.6	3.6	3.8	3.9	0.9	4.2	2.7	1.4	2.5	3.0	3.5	3.7	4.5	4.6	3.9	3.1	1.8	1.1	0.7	0.6	0.6	1.0	2.5	4.6	0.6
9	0.8	1.1	1.0	1.4	1.4	1.9	1.0	1.1	0.9	1.5	1.7	2.1	2.3	2.5	2.9	2.7	3.1	3.8	5.1	8.0	9.0	10.0	10.8	10.4	3.6	10.8	0.8
10	9.4	8.5	8.2	7.2	6.7	6.3	6.7	5.5	9.0	9.7	7.2	6.3	4.8	3.5	3.3	3.2	3.0	4.0	4.1	4.1	4.8	4.6	4.5	4.5	5.8	9.7	3.0
11	4.8	4.3	5.2	4.4	5.4	6.0	6.1	5.0	5.3	5.1	6.2	4.4	2.1	3.0	4.5	4.7	3.9	3.3	1.1	0.8	1.2	1.9	0.5	0.9	3.8	6.2	0.5
12	1.7	1.7	1.8	1.6	1.4	1.9	2.8	0.7	2.6	2.2	3.2	3.8	3.9	4.5	4.0	3.6	3.5	3.3	0.7	0.5	1.0	1.7	0.6	1.2	2.2	4.5	0.5
13	1.1	0.7	0.8	0.2	0.6	0.5	0.7	0.7	0.8	1.0	2.0	2.5	3.2	4.5	4.5	3.4	4.2	3.0	1.0	0.9	0.4	0.5	1.0	1.3	1.6	4.5	0.2
14	0.5	0.9	0.5	2.0	1.8	1.5	0.4	0.3	1.0	1.0	1.8	2.4	3.1	3.1	2.9	3.1	3.8	3.1	1.2	0.6	1.3	1.3	0.8	1.8	1.7	3.8	0.3
15	1.6	1.5	1.2	1.5	2.5	2.5	2.5	2.8	3.5	3.3	5.0	6.4	4.2	2.8	2.5	1.7	1.6	2.0	1.4	3.4	3.3	6.3	5.7	4.1	3.0	6.4	1.2
16	4.2	3.9	3.3	3.7	3.9	3.9	3.3	3.4	6.0	7.3	5.6	4.3	5.2	4.5	3.0	2.3	2.2	2.2	1.0	2.2	2.0	1.5	4.1	4.2	3.6	7.3	1.0
17	3.7	4.4	4.1	2.3	2.4	2.7	2.3	1.4	2.9	3.4	2.2	3.8	2.3	2.8	2.8	2.7	2.5	2.5	1.0	1.1	1.2	1.8	1.9	1.7	2.5	4.4	1.0
18	1.3	1.4	1.3	0.6	1.6	1.8	0.6	0.9	2.3	0.9	1.8	2.7	2.8	3.3	2.8	2.7	3.4	2.4	0.8	0.5	1.5	0.7	2.2	1.8	1.8	3.4	0.5
19	1.1	1.3	2.0	1.0	2.6	3.6	2.1	1.8	3.2	1.5	1.9	2.7	2.4	2.4	3.2	3.3	3.7	2.2	1.0	0.5	1.1	1.0	1.9	1.7	2.0	3.7	0.5
20	1.4	1.9	1.4	1.8	0.9	1.4	1.7	2.4	2.1	2.8	3.1	4.8	5.2	5.0	5.8	5.6	5.3	4.7	5.0	2.9	0.9	1.4	0.6	0.3	2.8	5.8	0.3
21	0.5	0.7	0.9	0.6	0.9	0.8	1.4	1.2	0.8	1.5	1.7	2.2	2.8	3.1	3.4	3.6	4.0	2.9	0.9	0.3	0.6	0.8	1.3	1.8	1.6	4.0	0.3
22	3.6	1.7	1.2	1.5	1.8	2.4	5.6	1.7	0.9	3.0	5.3	3.8	1.9	1.7	2.0	2.1	3.2	2.3	0.5	1.5	1.3	1.7	2.1	3.3	2.3	5.6	0.5
23	3.3	1.8	1.4	1.0	1.6	2.1	1.1	1.1	4.3	5.2	4.2	2.5	2.0	4.0	3.0	2.9	3.0	1.5	0.9	2.8	6.2	2.8	3.3	7.8	2.9	7.8	0.9
24	11.2	12.9	12.0	12.5	9.9	7.7	8.0	12.6	15.5	15.2	13.3	11.7	10.0	8.5	7.8	7.5	5.6	4.2	5.8	7.5	7.2	9.0	10.7	11.5	9.9	15.5	4.2
25	14.1	13.0	12.5	10.1	11.7	11.6	7.2	3.6	4.9	6.5	8.1	6.2	4.6	3.8	2.8	2.2	2.6	2.5	4.1	4.6	4.3	4.2	4.6	4.9	6.5	14.1	2.2
26	5.1	4.8	5.1	2.1	0.9	1.0	1.1	3.0	2.8	1.4	1.8	3.1	4.3	4.5	4.9	5.2	4.8	3.0	0.7	1.3	0.9	0.6	0.7	0.6	2.7	5.2	0.6
27	0.5	1.4	2.8	4.5	4.2	4.4	2.7	1.6	2.5	5.5	4.8	4.1	2.7	2.2	3.0	3.3	3.2	2.8	0.7	1.2	1.4	2.2	1.3	2.0	2.7	5.5	0.5
28	1.6	1.5	5.4	7.2	6.2	6.3	8.5	7.7	8.1	9.4	7.8	7.9	6.1	4.6	2.6	2.2	3.1	2.3	1.1	1.1	2.3	1.9	4.4	4.9	4.8	9.4	1.1
29	8.0	8.6	7.7	7.4	5.8	3.8	3.2	2.6	2.9	3.2	3.7	2.5	2.1	2.0	2.3	1.5	3.0	2.7	0.7	0.6	0.3	0.4	1.0	0.9	3.2	8.6	0.3
30	1.0	1.8	1.5	1.9	1.9	1.0	1.4	0.5	0.8	2.8	3.0	2.2	2.0	2.3	2.3	0.9	1.2	0.5	1.5	1.5	1.2	1.7	3.0	2.1	1.7	3.0	0.5
31	2.0	2.4	3.8	3.4	3.0	1.9	1.8	1.2	1.8	3.2	3.6	2.9	2.6	3.5	3.0	3.5	3.6	1.6	0.8	1.8	0.6	0.6	2.0	0.7	2.3	3.8	0.6
Avg	3.1	3.1	3.1	3.0	3.1	3.1	2.8	2.7	3.3	3.7	3.9	4.0	3.7	3.8	3.8	3.6	3.6	2.9	1.7	1.8	2.0	2.1	2.5	2.9	3.0	--	--
Max	14.1	13.0	12.5	12.5	11.7	11.6	8.5	12.6	15.5	15.2	13.3	11.7	10.0	8.5	7.8	7.5	5.6	4.7	5.8	8.0	9.0	10.0	10.8	11.5	--	15.5	--
Min	0.5	0.7	0.5	0.2	0.3	0.5	0.2	0.3	0.6	0.9	1.7	2.1	1.9	1.7	2.0	0.9	1.2	0.5	0.5	0.3	0.3	0.3	0.2	0.3	--	--	0.2

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, WS_ms_10m"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.4	1.6	0.9	0.5	1.2	2.6	3.8	1.9	1.5	1.8	4.3	3.9	3.6	3.8	4.2	4.2	3.9	2.5	0.7	0.4	1.1	0.7	1.1	0.9	2.2	4.3	0.4
2	1.2	1.7	2.0	2.5	1.6	4.0	4.6	2.1	1.2	1.9	4.0	4.2	3.5	3.2	3.6	3.8	3.3	2.2	1.3	1.1	1.7	0.8	1.4	0.7	2.4	4.6	0.7
3	0.7	0.9	0.7	0.7	1.0	1.3	1.0	0.9	1.5	1.6	3.1	3.2	3.5	3.5	3.7	2.8	2.7	1.5	1.8	3.2	0.5	0.6	0.8	3.3	1.9	3.7	0.5
4	2.2	3.2	1.9	0.8	1.1	1.5	1.0	1.1	0.9	2.3	2.8	3.5	3.3	4.6	3.9	3.8	3.8	2.1	0.3	0.7	0.8	0.4	0.3	0.4	1.9	4.6	0.3
5	0.4	0.3	0.4	0.4	0.4	0.9	0.7	0.5	0.5	0.8	2.3	3.6	4.0	3.6	3.4	3.8	3.3	2.5	0.6	0.7	0.6	0.5	0.7	0.7	1.5	4.0	0.3
6	0.3	0.3	0.4	1.2	0.9	0.4	0.6	1.6	0.7	1.2	1.4	2.0	2.6	3.0	2.9	3.5	3.1	2.5	0.7	1.4	1.0	0.7	0.7	0.5	1.4	3.5	0.3
7	0.5	0.6	1.1	1.0	0.7	1.1	0.6	0.8	0.8	1.1	1.3	1.6	1.9	2.9	2.6	2.7	2.6	1.7	0.8	1.4	0.5	0.6	1.0	0.9	1.3	2.9	0.5
8	1.0	2.3	1.8	3.3	3.4	1.7	0.9	0.8	1.0	1.2	2.6	2.8	3.9	3.1	2.7	2.4	2.8	1.9	0.8	0.9	3.1	1.3	1.7	1.4	2.0	3.9	0.8
9	2.4	2.6	4.0	2.0	1.9	2.1	2.5	2.1	4.3	2.8	2.9	2.2	3.0	2.2	2.0	2.5	3.6	2.2	0.8	0.6	1.1	1.2	1.2	0.7	2.2	4.3	0.6
10	1.1	1.1	3.5	4.2	3.4	4.1	2.6	3.1	2.8	1.7	1.7	2.6	1.8	2.4	4.0	3.7	2.5	2.5	0.6	0.5	0.6	0.3	0.6	0.3	2.2	4.2	0.3
11	0.3	0.7	1.6	0.6	1.0	1.8	3.3	2.9	1.4	1.1	1.3	1.7	1.8	2.5	2.6	2.8	2.6	1.9	0.4	1.4	1.1	0.7	0.9	0.8	1.6	3.3	0.3
12	1.8	1.8	2.3	2.5	5.2	4.2	4.3	2.6	1.8	2.3	2.1	2.8	3.0	3.1	3.6	2.3	2.0	1.5	1.1	1.6	1.0	2.0	1.0	2.6	2.4	5.2	1.0
13	1.5	0.5	0.9	0.5	1.0	2.9	0.5	0.5	3.4	2.0	1.1	1.9	1.4	2.7	2.9	1.7	2.5	1.5	0.9	0.8	0.6	0.6	0.6	0.5	1.4	3.4	0.5
14	0.8	0.6	0.9	1.5	0.3	0.7	1.5	3.5	1.6	2.2	2.1	1.9	2.3	3.0	3.6	3.2	3.5	1.4	0.8	1.6	1.2	1.2	1.1	2.2	1.8	3.6	0.3
15	2.1	2.4	2.1	1.1	2.5	4.0	1.9	3.1	2.1	1.4	1.4	2.5	3.4	2.5	2.9	3.4	2.4	1.0	0.3	1.0	0.8	0.7	0.7	0.7	1.9	4.0	0.3
16	0.5	0.6	1.4	2.1	2.8	3.5	2.8	4.2	4.7	3.0	1.7	2.4	1.9	3.2	3.6	2.8	2.6	1.9	0.8	2.2	0.8	0.8	0.3	0.4	2.1	4.7	0.3
17	2.0	1.9	1.5	0.8	0.9	1.6	1.4	1.5	0.9	0.7	2.6	3.5	3.7	4.7	4.2	3.3	1.9	1.7	1.0	0.8	0.5	0.3	0.6	1.0	1.8	4.7	0.3
18	0.8	1.3	1.3	0.6	1.8	2.4	7.5	7.4	6.7	6.7	3.2	2.5	2.8	3.4	2.7	2.3	2.5	3.0	3.2	2.9	1.7	1.8	3.5	2.8	3.1	7.5	0.6
19	2.8	6.9	8.0	9.5	8.2	6.5	9.2	4.8	4.7	7.1	5.6	3.8	5.7	6.2	5.0	2.4	3.5	4.5	4.6	4.3	2.0	1.0	1.1	3.1	5.0	9.5	1.0
20	2.2	2.1	2.9	4.7	1.5	2.5	2.2	3.3	2.1	2.0	2.1	3.0	2.4	2.9	1.7	2.2	2.4	1.4	0.8	1.2	0.8	0.5	0.4	0.5	2.0	4.7	0.4
21	0.7	0.5	2.0	0.8	1.8	2.4	1.9	3.0	1.1	1.1	1.1	1.2	3.6	3.7	3.4	2.9	2.2	1.7	0.9	1.4	1.4	1.9	2.3	3.0	1.9	3.7	0.5
22	2.8	4.3	7.2	13.2	10.8	12.6	12.1	11.3	9.0	9.1	5.9	3.5	2.7	2.3	1.9	1.4	2.4	1.3	2.0	2.7	5.8	6.8	8.2	2.0	5.9	13.2	1.3
23	1.7	1.5	1.0	1.8	1.3	1.4	1.5	1.7	3.2	7.0	9.8	8.1	4.4	3.0	2.5	2.6	2.0	1.7	0.9	1.1	0.9	1.5	0.6	0.8	2.6	9.8	0.6
24	0.9	0.8	2.4	4.2	4.3	3.8	4.8	2.1	2.1	1.5	1.1	1.6	2.6	3.4	3.8	3.6	3.3	1.8	1.0	0.8	1.5	1.8	1.7	0.6	2.3	4.8	0.6
25	0.4	1.3	0.7	1.3	1.6	2.2	3.0	3.3	4.4	1.0	1.1	1.6	2.4	2.9	3.0	2.4	2.5	1.6	0.8	1.0	0.9	0.9	1.0	1.4	1.8	4.4	0.4
26	2.9	3.2	2.6	3.3	2.5	1.9	1.3	1.2	1.3	2.3	2.6	2.4	2.1	2.1	3.3	2.7	1.8	1.4	3.3	4.4	6.0	5.8	4.1	4.8	2.9	6.0	1.2
27	5.1	5.7	5.5	5.2	5.1	1.7	4.2	6.3	3.3	3.0	2.1	3.6	3.7	4.6	5.7	3.9	2.2	0.8	1.4	0.9	0.7	1.0	1.8	0.9	3.3	6.3	0.7
28	1.2	0.7	1.7	0.7	1.7	0.7	2.7	1.9	1.1	2.1	2.0	2.3	2.4	1.6	2.4	2.2	1.9	1.0	1.4	3.5	5.5	5.2	2.2	2.5	2.1	5.5	0.7
29	3.7	3.6	2.2	2.9	4.4	4.6	4.6	2.9	2.6	3.9	3.3	4.1	2.7	3.5	2.5	2.9	3.2	4.1	4.3	3.6	2.1	1.9	2.9	3.0	3.3	4.6	1.9
30	2.0	1.8	3.1	1.9	2.5	1.4	1.5	3.4	4.6	4.0	4.3	4.0	4.2	2.6	3.0	1.8	2.0	1.8	2.0	4.7	5.9	4.0	2.6	3.2	3.0	5.9	1.4
Avg	1.6	1.9	2.3	2.5	2.6	2.8	3.0	2.9	2.6	2.7	2.8	2.9	3.0	3.2	3.2	2.9	2.7	2.0	1.3	1.8	1.7	1.6	1.6	1.6	2.4	--	--
Max	5.1	6.9	8.0	13.2	10.8	12.6	12.1	11.3	9.0	9.1	9.8	8.1	5.7	6.2	5.7	4.2	3.9	4.5	4.6	4.7	6.0	6.8	8.2	4.8	--	13.2	--
Min	0.3	0.3	0.4	0.4	0.3	0.4	0.5	0.5	0.5	0.7	1.1	1.2	1.4	1.6	1.7	1.4	1.8	0.8	0.3	0.4	0.5	0.3	0.3	0.3	--	--	0.3

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, WS_ms_10m"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	2.7	3.1	4.1	3.0	3.6	3.5	3.8	5.0	3.1	3.9	4.5	4.1	5.8	3.1	2.7	2.2	2.0	3.9	1.2	2.0	4.0	1.6	2.6	4.2	3.3	5.8	1.2
2	5.5	3.0	2.1	5.3	5.3	4.2	2.8	2.6	2.0	3.0	1.5	1.6	2.2	1.7	3.0	2.6	2.8	2.3	3.5	3.3	1.7	1.0	0.9	1.3	2.7	5.5	0.9
3	1.1	1.1	1.0	0.8	0.9	1.8	1.1	0.7	0.8	1.5	1.1	2.0	2.9	3.8	3.8	3.7	2.3	0.7	0.8	1.7	0.9	0.8	0.8	1.0	1.6	3.8	0.7
4	0.9	0.8	0.8	1.0	0.4	1.1	0.5	0.5	2.5	0.8	1.9	2.2	2.8	4.0	4.6	4.1	3.3	1.9	0.7	0.7	0.6	0.7	0.6	0.7	1.6	4.6	0.4
5	0.8	1.8	3.0	2.0	2.2	2.5	2.4	2.6	3.5	2.5	3.0	3.2	3.8	4.7	4.8	5.3	4.7	5.0	3.0	2.9	4.3	6.6	4.5	5.0	3.5	6.6	0.8
6	5.1	4.9	5.6	6.2	5.7	4.6	3.6	9.8	7.5	6.6	9.4	5.6	4.6	3.8	3.9	2.5	2.7	4.9	8.8	12.1	11.2	10.6	8.6	6.2	6.4	12.1	2.5
7	14.8	16.2	15.8	17.8	16.6	11.8	10.6	11.7	13.2	13.6	11.8	6.6	9.1	5.4	7.9	5.0	4.8	6.2	5.8	2.3	2.9	3.0	3.2	3.1	9.1	17.8	2.3
8	1.5	2.7	1.8	1.4	2.1	2.0	1.1	1.7	2.3	3.3	2.3	1.9	3.0	2.1	2.1	2.2	2.3	1.8	1.0	1.7	1.2	0.9	0.9	0.6	1.8	3.3	0.6
9	1.6	2.1	2.3	5.3	8.9	5.7	7.5	4.0	5.1	3.0	2.4	2.5	2.6	3.1	4.1	5.4	4.4	3.6	2.7	4.9	4.7	4.6	7.8	4.6	4.3	8.9	1.6
10	10.8	9.9	6.8	5.9	4.6	5.6	5.1	6.6	4.3	4.9	3.7	4.2	2.7	4.2	3.3	5.1	3.4	3.1	2.7	3.6	5.2	3.5	3.3	4.1	4.9	10.8	2.7
11	2.9	2.4	2.8	4.2	5.4	8.3	7.4	8.4	7.6	8.1	8.9	7.7	3.6	2.6	2.1	2.2	1.9	2.4	1.5	1.5	1.6	1.0	1.0	1.3	4.0	8.9	1.0
12	1.8	1.1	2.6	4.2	4.6	5.5	8.4	9.5	8.8	5.8	4.4	4.0	5.8	6.9	6.9	9.5	6.5	6.3	8.5	3.3	4.8	3.7	2.4	2.1	5.3	9.5	1.1
13	4.8	7.3	3.6	2.3	2.8	2.7	2.7	2.8	2.1	3.3	2.9	2.7	3.4	2.6	2.0	2.0	2.8	1.2	1.0	1.5	1.1	0.4	0.8	1.2	2.5	7.3	0.4
14	0.2	0.4	0.5	1.6	1.8	0.9	0.4	0.8	3.6	2.8	2.5	3.3	3.2	3.8	3.1	3.7	3.9	7.8	9.5	8.2	7.2	4.4	3.7	4.1	3.4	9.5	0.2
15	4.5	6.2	4.3	6.7	7.6	8.4	3.3	3.0	6.5	6.6	5.7	3.4	2.5	1.7	1.4	2.1	2.0	2.9	2.5	3.0	2.2	3.4	3.6	2.9	4.0	8.4	1.4
16	3.0	2.6	2.8	2.4	2.4	2.5	2.3	2.9	3.5	5.1	4.2	4.3	4.4	2.3	2.2	2.4	1.2	3.1	3.7	2.5	2.6	4.3	4.3	2.5	3.1	5.1	1.2
17	1.1	1.3	4.6	4.9	6.6	7.7	5.7	7.9	6.6	4.2	6.1	9.3	5.4	2.7	2.0	4.2	6.2	3.3	3.1	2.7	4.2	5.0	6.6	7.1	4.9	9.3	1.1
18	5.2	2.9	3.0	3.4	2.6	1.5	1.4	1.4	1.1	1.0	1.6	1.6	1.9	3.3	3.3	3.4	3.1	2.0	0.8	0.5	0.8	1.3	1.3	1.2	2.1	5.2	0.5
19	0.6	0.2	0.8	1.5	0.7	0.9	0.6	1.1	0.3	1.0	1.0	1.4	2.2	3.7	3.7	3.0	3.1	2.0	1.3	1.4	1.8	1.9	2.0	1.1	1.6	3.7	0.2
20	1.2	1.4	3.0	2.4	4.7	4.2	5.0	5.1	2.0	4.1	3.3	2.2	3.7	3.3	2.6	3.1	3.7	2.3	1.0	1.6	1.3	1.6	1.5	2.3	2.8	5.1	1.0
21	1.7	0.9	0.8	4.0	1.7	1.4	1.7	2.9	3.6	4.0	4.5	5.6	5.9	6.1	5.7	5.4	4.5	2.2	0.4	0.5	0.3	1.2	1.0	1.0	2.8	6.1	0.3
22	1.0	0.7	1.4	1.4	0.5	2.6	1.4	1.0	1.1	1.2	2.2	2.8	1.8	3.2	2.8	2.3	2.4	1.6	1.7	0.8	0.7	0.9	1.9	2.3	1.6	3.2	0.5
23	1.8	3.8	3.4	1.2	2.8	3.0	2.7	1.6	3.0	2.8	3.5	3.2	4.6	3.0	2.1	3.7	4.0	2.3	1.1	0.4	1.3	0.9	1.0	0.6	2.4	4.6	0.4
24	0.6	0.8	1.7	0.4	3.9	3.5	1.7	2.9	3.7	3.7	1.8	1.2	1.5	2.9	1.8	1.9	2.6	1.7	0.9	0.7	0.2	0.6	1.3	2.5	1.8	3.9	0.2
25	3.7	1.0	--	0.8	0.6	2.7	1.8	0.6	0.4	1.0	1.2	1.6	1.4	2.2	2.3	1.2	1.3	0.5	0.9	0.4	1.4	0.5	0.5	0.7	1.2	3.7	0.4
26	0.9	0.5	0.9	1.6	0.8	0.9	1.3	0.8	0.9	1.2	1.2	1.1	1.6	2.5	2.9	2.3	1.9	1.8	0.8	0.2	1.6	0.7	1.3	0.7	1.3	2.9	0.2
27	1.6	2.7	3.1	3.4	3.0	2.8	2.5	1.0	1.2	1.3	2.2	2.7	2.8	2.2	2.5	2.4	1.3	0.4	1.7	2.0	1.9	1.3	1.3	2.1	2.1	3.4	0.4
28	3.6	2.4	3.4	1.5	1.7	1.4	1.1	1.6	1.5	2.0	2.1	2.1	2.1	2.2	3.6	2.9	1.8	1.1	1.8	1.2	1.2	2.1	2.3	3.2	2.1	3.6	1.1
29	1.3	1.3	1.3	1.4	1.6	2.5	2.1	2.9	2.4	2.5	1.8	2.0	1.2	2.1	1.8	2.0	2.2	1.2	0.5	0.9	0.9	1.0	2.7	2.9	1.8	2.9	0.5
30	3.2	1.1	2.3	4.1	4.7	4.2	4.9	4.9	4.3	4.8	3.2	1.9	2.2	1.8	3.8	2.0	1.8	1.8	0.9	0.4	0.5	0.3	0.7	1.0	2.5	4.9	0.3
31	0.5	1.0	2.3	2.6	1.6	1.3	2.9	3.9	3.1	2.8	2.9	1.8	2.0	1.6	1.4	2.0	1.7	1.5	0.3	1.0	1.4	1.0	0.5	2.2	1.8	3.9	0.3
Avg	2.9	2.8	3.1	3.4	3.6	3.6	3.2	3.6	3.6	3.6	3.5	3.2	3.3	3.2	3.2	3.3	3.0	2.7	2.4	2.2	2.4	2.3	2.4	2.4	3.0	--	--
Max	14.8	16.2	15.8	17.8	16.6	11.8	10.6	11.7	13.2	13.6	11.8	9.3	9.1	6.9	7.9	9.5	6.5	7.8	9.5	12.1	11.2	10.6	8.6	7.1	--	17.8	--
Min	0.2	0.2	0.5	0.4	0.4	0.9	0.4	0.5	0.3	0.8	1.0	1.1	1.2	1.6	1.4	1.2	1.2	0.4	0.3	0.2	0.2	0.3	0.5	0.6	--	--	0.2

-- Indicates Invalid Data

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, BP_mmHg"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	700	700	700	700	700	700	700	700	700	700	700	699	699	698	697	697	696	695	695	696	696	696	696	696	698	700	695
2	696	696	696	696	696	696	697	697	698	698	698	698	697	696	696	696	696	696	696	697	698	698	698	698	697	698	696
3	699	699	699	699	699	700	700	701	701	701	701	701	700	700	699	699	699	699	700	700	700	701	701	701	700	701	699
4	701	702	702	702	702	703	703	703	703	703	703	703	702	702	701	701	701	701	701	701	701	701	702	701	702	703	701
5	701	701	701	701	701	701	702	702	702	702	701	701	701	700	700	700	700	699	699	700	700	700	701	701	701	702	699
6	701	701	701	701	701	701	702	702	703	703	702	702	702	701	701	700	700	700	700	700	701	701	701	701	701	703	700
7	701	701	700	700	700	700	700	701	701	701	701	700	699	699	698	698	698	698	698	698	698	698	698	698	699	701	698
8	698	698	698	698	698	698	698	698	699	699	698	698	698	697	696	696	696	695	695	696	696	697	697	697	697	699	695
9	697	698	698	698	699	699	700	701	701	701	701	701	701	700	700	700	701	701	701	702	703	703	703	703	701	703	697
10	703	703	703	704	704	704	704	705	705	705	704	704	703	703	702	702	701	701	701	701	702	702	702	702	703	705	701
11	702	702	702	701	701	702	702	702	702	702	702	702	701	700	700	700	700	700	700	700	700	701	701	701	701	702	700
12	701	701	701	701	701	701	702	702	702	703	702	702	702	701	701	701	701	701	701	701	701	702	702	702	701	703	701
13	702	702	702	702	703	703	703	704	704	704	704	703	703	702	702	701	701	701	701	702	702	702	703	703	702	704	701
14	703	703	703	703	703	703	704	704	704	704	704	704	704	703	703	703	703	703	703	704	704	705	705	705	704	705	703
15	705	705	705	705	705	706	706	707	707	707	707	707	706	705	705	705	705	705	705	705	706	706	706	707	706	707	705
16	707	707	707	706	706	707	707	707	708	708	707	707	706	705	705	704	704	704	704	705	705	705	705	705	706	708	704
17	705	705	705	705	705	705	705	705	706	705	705	705	704	703	702	702	702	702	702	703	703	703	703	703	704	706	702
18	703	703	702	702	702	703	703	703	704	704	703	703	703	702	702	701	701	701	701	701	701	701	701	701	702	704	701
19	701	701	700	700	700	700	700	701	701	701	701	700	700	699	699	699	698	698	698	699	699	700	699	699	700	701	698
20	699	699	699	699	699	699	700	700	701	700	700	700	699	698	698	698	697	697	698	698	698	699	699	699	699	701	697
21	699	700	700	700	701	701	702	702	703	704	704	704	703	703	703	703	703	704	704	705	705	705	706	706	703	706	699
22	706	706	706	706	707	707	707	708	708	708	708	708	707	707	706	706	706	706	706	706	707	707	707	707	707	708	706
23	706	706	706	706	706	706	707	707	708	708	707	707	706	706	705	705	705	705	705	706	706	706	706	706	706	708	705
24	706	706	706	705	705	706	706	707	707	707	707	707	706	705	705	705	705	705	705	705	706	706	706	706	706	707	705
25	705	705	705	705	705	705	705	706	706	706	705	704	703	703	702	702	701	701	701	701	701	701	702	701	703	706	701
26	701	701	701	701	701	702	702	702	702	702	702	702	701	701	700	700	700	700	700	701	701	701	701	701	701	702	700
27	701	701	701	701	701	701	702	702	703	703	702	702	701	701	700	700	700	700	700	701	701	701	701	701	701	703	700
28	701	701	701	701	701	702	702	702	702	702	702	702	701	700	700	700	700	700	700	701	701	701	701	701	701	702	700
29	701	701	701	701	701	701	702	702	702	702	702	701	701	700	699	699	699	699	699	700	700	700	700	700	701	702	699
30	700	700	700	700	700	700	700	700	701	701	701	700	699	699	698	698	697	697	698	698	698	699	699	699	699	701	697
31	700	700	700	700	700	701	701	701	702	702	702	702	701	701	700	700	700	700	701	701	701	701	701	701	701	702	700
Avg	702	702	702	702	702	702	702	703	703	703	703	702	702	701	701	701	700	700	701	701	701	702	702	702	702	--	--
Max	707	707	707	706	707	707	707	708	708	708	708	708	707	707	706	706	706	706	706	706	707	707	707	707	--	708	--
Min	696	696	696	696	696	696	697	697	698	698	698	698	697	696	696	696	696	695	695	696	696	696	696	696	--	--	695

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, BP_mmHg"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	701	701	701	701	701	701	702	702	703	703	702	702	701	701	700	700	700	700	701	701	702	702	702	702	701	703	700
2	703	703	703	703	703	703	703	704	704	704	705	705	704	704	703	703	703	703	704	704	704	705	705	705	704	705	703
3	705	705	705	705	705	705	705	706	706	706	706	706	705	705	704	704	704	704	704	703	703	704	704	703	705	706	703
4	703	703	703	703	703	702	703	703	704	704	704	703	703	702	702	701	701	701	701	702	702	702	703	703	702	704	701
5	703	703	703	703	703	703	703	704	705	705	705	705	704	703	703	703	703	703	703	704	704	704	704	704	704	705	703
6	704	704	704	704	704	705	705	705	706	706	706	706	705	704	704	704	704	704	704	705	705	705	705	705	705	706	704
7	705	705	705	705	705	705	705	706	706	706	706	705	705	704	704	704	704	704	704	704	704	704	705	704	705	706	704
8	705	705	705	705	704	705	705	705	706	705	705	705	704	704	703	703	703	703	703	703	703	704	704	704	704	706	703
9	703	703	703	703	703	703	703	704	704	704	704	703	703	702	702	702	702	702	702	702	702	703	703	702	703	704	702
10	702	702	702	702	702	702	702	703	703	703	703	702	702	701	701	701	701	701	701	702	702	702	702	702	702	703	701
11	702	702	702	702	702	703	703	703	704	704	704	703	703	702	702	702	702	702	703	703	703	704	704	704	703	704	702
12	704	704	704	704	704	704	705	705	705	705	705	705	704	704	704	703	703	704	704	704	705	705	705	705	704	705	703
13	705	705	705	705	705	705	705	706	706	706	706	706	705	705	705	704	704	704	705	705	705	705	705	705	705	706	704
14	705	705	704	704	704	705	705	705	705	705	705	705	704	703	703	703	703	703	703	703	703	704	704	704	704	705	703
15	703	703	703	703	703	703	703	704	704	704	704	704	703	703	702	702	702	702	703	703	703	703	704	704	703	704	702
16	703	703	703	703	703	703	703	703	704	704	704	703	703	702	702	702	702	702	702	703	703	703	703	703	703	704	702
17	703	703	703	703	703	703	703	703	704	704	704	704	703	703	703	703	702	703	703	703	703	703	704	704	703	704	702
18	704	704	704	705	705	705	706	706	707	707	707	707	706	706	705	705	705	705	705	705	705	706	706	705	705	707	704
19	705	705	705	705	704	704	705	705	706	706	705	705	704	703	702	702	702	702	703	703	703	704	704	704	704	706	702
20	704	704	704	704	704	704	704	704	705	705	705	704	704	704	703	703	703	703	704	704	704	704	705	705	704	705	703
21	705	705	705	705	705	705	705	706	706	707	707	706	705	705	705	705	705	705	705	706	706	706	706	706	705	707	705
22	706	706	706	706	706	707	707	707	708	708	708	708	707	706	706	706	706	706	706	706	707	707	706	706	707	708	706
23	706	706	706	706	706	706	706	706	706	706	706	705	704	704	703	703	703	703	703	703	703	703	703	703	705	706	703
24	703	703	703	702	702	702	703	703	703	703	703	702	702	702	701	701	701	701	702	702	702	703	703	703	702	703	701
25	703	704	704	704	704	704	705	705	706	706	706	705	705	704	704	704	704	704	705	705	705	706	706	706	705	706	703
26	706	706	706	706	706	706	706	707	707	707	706	706	705	704	703	703	703	703	703	703	703	703	703	703	705	707	703
27	702	702	702	702	702	702	702	702	702	702	702	701	700	699	699	699	699	699	699	699	700	700	701	701	701	702	699
28	701	701	701	702	702	702	703	703	704	704	704	704	703	703	703	703	703	703	703	704	704	704	704	704	703	704	701
29	704	704	704	704	704	704	705	705	706	706	706	705	705	704	704	704	704	705	705	705	705	706	706	706	705	706	704
30	705	705	705	705	705	705	706	706	706	706	706	706	705	704	704	703	704	704	704	704	704	704	704	704	705	706	703
Avg	704	704	704	704	704	704	704	704	705	705	705	705	704	703	703	703	703	703	703	703	704	704	704	704	704	--	--
Max	706	706	706	706	706	707	707	707	708	708	708	708	707	706	706	706	706	706	706	706	707	707	706	706	--	708	--
Min	701	701	701	701	701	701	702	702	702	702	702	701	700	699	699	699	699	699	699	699	700	700	701	701	--	--	699

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, BP_mmHg"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	704	704	703	703	703	703	703	704	704	705	704	704	704	703	703	703	703	703	703	704	704	704	704	704	704	705	703
2	704	704	703	703	703	703	704	704	705	705	705	704	704	703	703	702	703	703	703	703	704	704	704	704	704	705	702
3	704	703	704	703	703	703	703	704	704	704	704	703	703	702	701	701	701	701	701	701	701	701	701	701	702	704	701
4	701	701	701	701	701	701	702	702	702	702	702	702	701	701	701	701	701	701	701	702	702	702	703	703	702	703	701
5	703	703	703	703	703	703	704	705	705	705	705	705	705	704	704	704	704	705	705	705	706	706	706	706	705	706	703
6	706	706	706	706	706	706	706	706	707	707	707	706	705	705	704	704	705	705	706	706	706	706	706	707	706	707	704
7	707	707	708	708	708	709	710	710	710	711	711	711	710	710	709	709	710	710	710	711	711	711	712	712	710	712	707
8	711	711	711	711	711	711	711	712	712	712	712	711	710	710	709	709	709	709	710	710	710	710	710	710	711	712	709
9	710	710	710	710	710	710	711	711	711	711	711	711	710	709	709	709	709	709	709	709	709	710	710	710	710	711	709
10	709	709	709	709	709	709	710	710	710	711	710	710	709	708	708	708	708	708	708	708	708	709	709	709	709	711	708
11	709	709	709	709	709	709	709	709	709	710	710	709	708	708	708	708	708	708	708	708	709	709	709	709	709	710	708
12	709	709	709	709	709	709	709	709	709	710	709	708	708	707	706	706	706	706	706	706	706	706	706	705	707	710	705
13	705	705	705	704	704	704	705	705	705	705	705	704	703	702	702	702	702	702	702	702	702	702	702	702	703	705	702
14	702	702	702	702	701	701	702	702	702	703	703	703	702	702	702	702	702	703	703	703	704	705	706	706	703	706	701
15	706	707	707	707	707	707	707	708	708	709	709	708	707	706	705	705	704	704	704	704	704	704	704	703	706	709	703
16	703	702	702	701	700	699	699	699	699	699	699	699	698	697	697	697	697	697	698	698	698	698	699	699	699	703	697
17	699	699	699	699	700	700	700	701	701	702	702	701	701	701	701	701	701	702	702	702	703	703	703	704	701	704	699
18	704	704	704	704	704	704	705	706	706	706	706	706	705	705	705	705	705	706	706	706	707	707	707	707	705	707	704
19	707	707	707	707	707	707	708	708	708	708	708	708	707	707	707	707	707	707	707	708	708	708	708	708	707	708	707
20	707	707	707	707	706	706	707	707	707	707	707	706	705	704	703	703	702	702	702	701	701	701	701	700	704	707	700
21	700	700	700	700	700	701	701	702	702	703	703	702	702	702	702	702	702	703	704	704	704	705	705	706	702	706	700
22	706	706	707	707	707	707	708	708	709	710	710	710	709	709	709	709	709	709	709	709	709	710	710	709	708	710	706
23	709	709	709	709	709	708	709	709	709	709	709	708	708	707	706	706	706	706	707	707	707	707	708	708	708	709	706
24	708	708	708	708	707	707	708	708	708	708	708	707	706	706	706	706	706	706	706	706	706	706	706	706	707	708	706
25	706	706	706	706	705	705	706	706	706	707	707	706	705	705	705	704	704	704	705	705	705	705	705	705	705	707	704
26	705	705	705	705	705	705	706	706	706	707	707	706	706	705	705	705	705	705	706	706	706	707	707	707	706	707	705
27	707	707	707	707	707	707	707	707	707	708	708	707	707	706	706	705	705	706	706	706	707	707	707	707	707	708	705
28	707	707	707	707	706	707	707	707	708	708	708	707	707	706	706	706	706	706	706	706	706	707	707	707	707	708	706
29	707	707	707	706	706	707	707	707	707	708	708	707	707	706	706	706	706	706	706	706	706	706	706	706	707	708	706
30	706	706	706	706	706	706	706	706	706	707	706	706	705	704	704	704	704	704	704	704	704	705	705	705	705	707	704
31	705	705	705	705	705	705	705	705	705	706	706	705	705	705	704	704	705	705	705	705	706	706	706	706	705	706	704
Avg	706	706	706	706	705	706	706	706	706	707	707	706	706	705	705	705	705	705	705	705	705	706	706	706	706	--	--
Max	711	711	711	711	711	711	711	712	712	712	712	711	710	710	709	709	710	710	710	711	711	711	712	712	--	712	--
Min	699	699	699	699	700	699	699	699	699	699	699	699	698	697	697	697	697	697	698	698	698	698	699	699	--	--	697

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, DeltaT"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	2.69	3.18	2.49	3.35	3.59	2.84	2.41	0.18	-0.37	-0.90	-1.15	-1.60	-1.78	-1.80	-1.67	-1.32	-0.60	0.42	2.33	2.79	2.57	2.81	1.32	1.21	0.96	3.59	-1.80
2	2.24	3.82	3.74	2.19	2.60	2.74	2.07	0.14	-0.37	-0.91	-1.34	-1.75	-1.93	-1.85	-1.76	-1.33	-0.60	0.30	3.07	3.57	2.10	2.45	2.98	3.32	1.06	3.82	-1.93
3	2.62	1.72	1.73	2.06	3.17	2.92	3.22	0.20	-0.76	-1.02	-1.24	-1.35	-1.59	-1.58	-1.41	-1.26	-0.52	0.43	3.31	3.88	2.05	1.73	3.47	3.63	1.06	3.88	-1.59
4	2.71	2.68	3.32	3.01	3.04	2.60	2.71	0.48	-0.66	-0.88	-1.19	-1.57	-1.61	-1.66	-1.69	-1.26	-0.56	0.53	3.00	2.57	1.97	2.40	1.91	1.94	0.99	3.32	-1.69
5	1.41	2.15	1.41	1.67	1.87	0.81	0.77	0.04	-0.37	-0.53	-1.18	-1.46	-1.79	-1.84	-1.69	-1.30	-0.53	0.45	2.50	2.93	2.10	2.53	2.96	2.89	0.66	2.96	-1.84
6	2.65	2.69	3.19	3.51	2.80	3.30	2.89	0.30	-0.60	-0.77	-1.19	-1.60	-1.85	-1.91	-1.71	-1.28	-0.46	0.77	3.61	2.34	2.28	2.23	3.17	4.26	1.19	4.26	-1.91
7	3.57	5.54	2.71	1.08	0.64	0.58	0.67	0.35	-0.25	-0.66	-0.91	-1.13	-1.53	-1.80	-1.40	-1.07	-0.41	0.95	3.64	2.39	3.80	3.84	3.25	3.90	1.16	5.54	-1.80
8	3.11	3.96	3.56	3.71	3.06	2.68	2.17	0.30	-0.68	-0.96	-1.14	-1.59	-1.69	-1.73	-1.58	-1.17	-0.33	1.85	5.55	2.43	2.71	2.13	3.57	5.52	1.48	5.55	-1.73
9	4.44	3.49	3.33	4.04	3.37	3.32	2.92	0.20	-0.49	-0.92	-1.50	-1.66	-1.70	-1.77	-1.61	-1.25	-0.48	0.71	0.51	0.17	0.10	0.09	0.07	0.07	0.64	4.44	-1.77
10	0.06	0.06	0.11	0.20	0.27	0.22	0.18	0.03	-0.36	-0.62	-0.78	-0.99	-1.46	-1.39	-1.22	-0.88	-0.48	0.05	0.34	1.05	0.78	3.44	1.22	0.43	0.01	3.44	-1.46
11	0.44	0.45	0.35	0.27	0.39	0.49	0.67	0.27	-0.42	-0.80	-1.12	-1.42	-1.27	-1.59	-1.66	-1.26	-0.50	0.87	3.93	2.49	2.60	3.24	3.13	2.72	0.51	3.93	-1.66
12	2.64	3.13	2.59	2.36	2.63	3.16	2.61	0.56	-0.64	-0.87	-1.27	-1.57	-1.79	-1.62	-1.52	-1.09	-0.34	1.88	4.30	2.40	2.33	3.06	3.36	2.63	1.21	4.30	-1.79
13	3.00	2.88	2.90	3.19	2.73	3.10	2.18	0.68	-0.82	-0.78	-0.91	-1.38	-1.74	-1.63	-1.57	-1.23	-0.29	1.49	4.62	2.77	3.20	3.66	3.05	2.58	1.32	4.62	-1.74
14	3.10	2.99	3.10	2.89	2.56	2.57	2.02	0.28	-0.63	-0.77	-1.06	-1.48	-1.70	-1.69	-1.53	-1.16	-0.35	1.01	4.15	2.22	3.51	2.86	1.58	1.39	1.08	4.15	-1.70
15	3.56	2.77	1.49	1.55	1.49	0.80	0.59	0.21	-0.25	-0.56	-0.75	-0.91	-1.17	-1.30	-1.16	-0.69	-0.05	1.91	3.71	3.42	1.10	2.70	0.70	0.30	0.81	3.71	-1.30
16	0.74	0.77	0.61	0.36	0.31	0.35	0.45	0.14	-0.35	-0.69	-0.77	-0.88	-0.97	-1.07	-0.97	-0.77	-0.38	0.19	1.23	2.27	2.10	1.93	3.98	1.70	0.43	3.98	-1.07
17	1.20	1.70	1.92	1.42	1.56	1.05	0.99	0.30	-0.34	-0.65	-0.91	-1.29	-1.55	-1.09	-0.93	-0.45	0.32	0.89	2.00	2.36	1.75	3.29	3.42	3.19	0.84	3.42	-1.55
18	3.09	2.61	2.99	2.60	2.64	3.51	2.62	1.06	-0.52	-0.69	-1.09	-1.59	-1.54	-1.53	-0.72	-0.46	0.01	0.93	2.45	2.75	1.91	1.96	1.05	1.95	1.08	3.51	-1.59
19	2.16	2.64	2.90	2.63	2.41	1.96	1.42	0.71	1.23	0.20	0.09	-0.18	-1.54	-1.46	-0.92	-1.09	-0.26	2.24	3.88	1.95	3.75	2.04	3.09	2.97	1.37	3.88	-1.54
20	2.85	3.01	3.15	2.99	2.76	2.44	2.52	0.67	-0.59	-0.68	-1.05	-1.54	-1.81	-1.76	-1.47	-1.16	-0.43	0.36	0.46	1.11	1.43	1.44	3.19	4.28	0.92	4.28	-1.81
21	2.74	2.24	1.46	1.40	1.70	1.98	2.01	0.10	-0.56	-0.73	-1.13	-1.52	-1.63	-1.53	-1.57	-1.07	-0.41	0.86	2.12	2.24	1.39	2.17	1.68	0.71	0.61	2.74	-1.63
22	0.61	0.60	1.96	3.11	2.64	3.52	2.06	1.09	-0.22	-0.54	-0.69	-0.94	-1.15	-1.18	-1.33	-0.82	-0.17	1.07	3.05	2.69	3.73	2.63	1.72	0.50	1.00	3.73	-1.33
23	0.48	0.85	0.64	1.20	0.93	0.65	0.62	0.80	-0.23	-0.49	-0.76	-1.21	-1.80	-1.58	-1.42	-0.91	-0.10	2.53	3.40	2.10	0.97	1.75	4.82	2.65	0.66	4.82	-1.80
24	1.76	0.70	1.13	0.22	0.27	0.33	0.31	0.13	-0.22	-0.49	-0.62	-0.71	-0.80	-0.83	-0.77	-0.58	-0.27	0.36	0.52	0.90	0.73	0.68	0.27	0.19	0.13	1.76	-0.83
25	0.15	0.15	0.14	0.15	0.15	0.16	0.30	0.19	-0.31	-0.55	-0.75	-0.97	-1.22	-1.24	-1.26	-0.91	-0.30	0.56	1.98	3.62	2.76	1.76	1.80	0.83	0.30	3.62	-1.26
26	2.71	3.09	3.16	3.06	2.81	2.62	2.39	0.83	-0.58	-0.54	-0.97	-1.45	-1.60	-1.53	-1.35	-0.88	-0.08	1.30	3.36	2.36	2.86	2.99	3.22	2.70	1.27	3.36	-1.60
27	2.82	3.17	3.06	3.28	1.68	0.60	0.40	0.47	-0.10	-0.55	-0.72	-0.99	-1.53	-1.48	-1.23	-0.83	-0.08	1.09	3.33	1.53	2.54	2.39	3.02	2.33	1.01	3.33	-1.53
28	2.65	2.24	0.90	1.54	2.88	0.83	0.75	0.59	-0.26	-0.54	-0.72	-0.89	-1.01	-1.03	-1.21	-0.82	-0.02	2.37	3.61	3.36	3.18	3.29	1.83	1.29	1.03	3.61	-1.21
29	1.16	2.15	1.10	1.53	1.72	2.31	1.42	0.63	-0.25	-0.57	-0.81	-1.08	-1.33	-1.20	-1.03	-0.90	-0.08	1.62	3.33	1.87	2.94	4.08	3.44	3.21	1.05	4.08	-1.33
30	3.01	3.02	2.46	1.68	2.78	2.31	2.47	1.29	-0.49	-0.28	-0.38	-0.24	-0.69	-1.12	-1.03	-0.41	0.69	2.41	3.23	3.27	3.26	2.12	2.23	3.10	1.45	3.27	-1.12
31	1.33	0.55	0.72	0.92	0.99	0.75	0.81	0.35	-0.21	-0.39	-0.80	-1.00	-0.94	-0.50	-0.59	-0.16	0.55	2.24	2.46	2.43	2.33	2.07	2.81	2.38	0.80	2.81	-1.00
Avg	2.18	2.29	2.07	2.04	2.01	1.86	1.60	0.44	-0.38	-0.65	-0.93	-1.22	-1.47	-1.46	-1.32	-0.96	-0.24	1.12	2.87	2.39	2.28	2.44	2.49	2.28	0.91	--	--
Max	4.44	5.54	3.74	4.04	3.59	3.52	3.22	1.29	1.23	0.20	0.09	-0.18	-0.69	-0.50	-0.59	-0.16	0.69	2.53	5.55	3.88	3.80	4.08	4.82	5.52	--	5.55	--
Min	0.06	0.06	0.11	0.15	0.15	0.16	0.18	0.03	-0.82	-1.02	-1.50	-1.75	-1.93	-1.91	-1.76	-1.33	-0.60	0.05	0.34	0.17	0.10	0.09	0.07	0.07	--	--	-1.93

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, DeltaT"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	2.22	2.74	2.03	1.48	1.40	1.36	1.76	0.86	-0.39	-0.55	-0.92	-1.31	-1.48	-1.39	-1.28	-0.78	-0.16	2.42	2.77	1.61	2.03	2.72	2.56	2.49	0.93	2.77	-1.48
2	2.16	2.37	2.69	2.38	2.45	1.81	2.51	1.21	-0.32	-0.39	-0.90	-1.33	-1.64	-1.61	-1.32	-0.93	-0.19	1.79	2.84	1.67	2.94	2.79	2.73	2.68	1.10	2.94	-1.64
3	1.73	2.22	1.83	1.74	1.93	1.71	1.72	0.95	-0.47	-0.56	-0.85	-1.07	-1.37	-1.08	-0.94	-0.63	0.50	2.69	1.78	1.41	1.44	1.88	2.08	1.90	0.86	2.69	-1.37
4	1.06	1.98	1.80	1.33	1.76	1.60	1.13	1.27	0.26	-0.07	-0.26	-0.44	-1.24	-1.35	-0.91	-0.65	-0.08	1.69	2.12	2.03	1.36	1.86	1.52	1.73	0.81	2.12	-1.35
5	1.61	1.96	1.36	1.32	1.90	1.45	2.04	1.49	-0.57	-0.60	-1.19	-1.38	-1.54	-1.62	-1.30	-0.35	-0.04	0.75	2.18	2.28	2.34	2.35	2.58	2.39	0.81	2.58	-1.62
6	2.55	2.79	2.05	2.30	2.06	1.86	1.63	1.08	-0.19	-0.62	-0.54	-1.02	-1.13	-1.29	-1.11	-0.78	0.10	2.51	1.86	1.19	1.44	0.96	1.27	2.18	0.88	2.79	-1.29
7	2.02	1.86	2.39	1.55	0.93	0.96	1.19	1.23	-0.06	-0.32	-0.24	-0.48	-0.75	-0.68	-0.41	-0.01	0.50	2.17	1.99	1.41	1.67	1.16	1.32	1.72	0.88	2.39	-0.75
8	0.95	1.26	1.25	0.73	1.41	1.25	1.48	0.50	-0.53	-0.61	-0.88	-1.41	-1.40	-1.26	-1.17	-0.51	-0.01	1.56	2.73	1.39	2.38	2.45	0.85	2.34	0.61	2.73	-1.41
9	1.58	1.35	0.94	1.27	2.19	2.76	2.56	1.86	-0.36	-0.79	-0.98	-1.17	-1.29	-1.40	-1.05	-0.79	0.02	2.77	3.44	2.44	2.25	3.23	2.70	2.67	1.09	3.44	-1.40
10	2.58	2.07	3.26	2.93	2.89	2.90	3.38	2.56	-0.23	-0.73	-0.92	-1.27	-1.30	-1.24	-1.18	-0.77	0.03	3.27	2.79	1.97	3.01	2.12	2.40	2.50	1.38	3.38	-1.30
11	2.71	2.62	2.04	2.21	2.69	2.79	2.15	1.48	-0.38	-0.81	-0.61	-1.00	-1.14	-1.25	-0.92	-0.43	0.45	4.14	3.38	2.57	3.31	2.95	3.11	3.38	1.48	4.14	-1.25
12	3.00	3.75	3.89	3.94	3.99	3.76	4.43	1.57	-0.05	-0.61	-0.93	-0.99	-1.62	-1.31	-1.07	-0.62	1.10	3.91	3.11	2.96	2.91	2.10	1.70	2.41	1.72	4.43	-1.62
13	3.05	1.56	1.41	1.70	2.49	2.56	2.22	1.05	0.41	-0.70	-0.82	-0.68	-1.12	-1.01	-0.64	-0.64	0.21	2.78	2.98	2.73	3.36	3.35	3.32	3.37	1.37	3.37	-1.12
14	3.23	2.93	2.75	3.06	2.34	2.28	1.81	1.93	-0.29	-0.62	-0.82	-1.08	-1.18	-1.24	-0.92	-0.26	0.79	4.04	2.83	3.67	2.90	2.68	2.73	2.79	1.51	4.04	-1.24
15	2.91	3.71	3.81	3.44	2.78	3.02	2.80	2.38	0.02	-0.68	-0.68	-0.95	-1.14	-1.14	-0.76	-0.42	1.25	4.54	1.86	1.51	2.70	3.59	2.79	2.93	1.68	4.54	-1.14
16	3.22	3.40	2.28	3.06	2.19	3.40	3.39	2.18	-0.26	-0.75	-0.60	-1.02	-1.09	-1.28	-1.04	-0.45	0.46	3.82	3.08	2.95	4.02	3.39	3.34	2.60	1.68	4.02	-1.28
17	2.94	3.34	2.54	2.36	2.09	2.31	1.51	0.69	-0.12	-0.17	-0.36	-0.93	-1.21	-0.88	-0.62	-0.06	0.47	2.29	2.51	1.41	1.70	2.13	2.02	1.93	1.16	3.34	-1.21
18	1.68	1.94	1.85	2.74	2.44	1.11	0.19	0.06	-0.21	-0.42	-0.58	-0.78	-0.91	-0.95	-0.78	-0.52	-0.13	1.79	4.81	4.33	3.55	0.85	1.12	0.62	0.99	4.81	-0.95
19	0.65	0.58	0.47	0.46	0.34	0.35	0.36	0.16	-0.19	-0.45	-0.58	-0.76	-0.79	-0.79	-0.72	-0.48	-0.11	0.54	2.48	2.95	2.21	3.81	2.90	2.28	0.65	3.81	-0.79
20	2.24	1.50	0.82	1.99	0.83	0.73	0.89	0.57	-0.29	-0.59	-0.58	-0.95	-0.91	-1.15	-0.73	-0.50	1.12	3.94	2.50	2.59	1.74	3.30	2.94	2.61	1.03	3.94	-1.15
21	2.53	2.34	3.15	2.04	2.64	2.26	2.75	2.77	0.10	-0.33	-0.62	-0.88	-1.24	-1.31	-1.06	-0.38	0.67	3.33	2.81	1.23	1.63	1.63	3.43	2.94	1.35	3.43	-1.31
22	0.81	0.43	0.41	0.30	0.23	0.17	0.19	0.19	-0.07	-0.35	-0.51	-0.66	-0.87	-0.96	-0.92	-0.60	0.07	1.78	0.54	1.47	1.00	1.42	1.21	1.47	0.28	1.78	-0.96
23	2.83	1.09	1.33	1.64	1.16	1.25	1.61	1.02	-0.02	-0.43	-0.63	-0.84	-1.27	-1.33	-1.06	-0.57	0.30	3.90	1.88	1.61	2.21	2.71	3.07	2.98	1.02	3.90	-1.33
24	3.20	3.87	3.73	2.25	2.86	3.12	3.34	3.18	0.30	-0.67	-0.59	-1.03	-1.28	-1.35	-1.14	-0.69	0.34	4.04	3.52	2.23	3.62	3.18	3.14	2.76	1.75	4.04	-1.35
25	2.99	2.70	2.78	2.78	2.31	3.12	2.37	2.59	-0.11	-0.67	-0.58	-1.02	-1.25	-1.25	-0.99	-0.42	0.49	3.92	2.74	2.63	3.45	2.80	2.07	2.84	1.51	3.92	-1.25
26	3.89	3.26	3.15	2.92	2.25	2.83	2.83	3.79	0.36	-0.43	-0.82	-0.83	-0.90	-1.02	-0.89	-0.27	1.21	4.50	3.27	4.92	5.10	3.76	3.26	2.90	2.04	5.10	-1.02
27	3.73	3.55	4.61	4.91	5.23	4.07	3.60	3.61	0.36	-0.55	-0.79	-1.08	-1.11	-1.32	-0.68	0.12	1.76	3.12	2.53	1.40	1.57	2.82	2.66	1.23	1.89	5.23	-1.32
28	2.86	2.72	1.81	1.72	1.99	2.79	2.41	1.47	-0.21	-0.45	-0.81	-0.95	-1.14	-1.04	-0.89	-0.15	1.31	3.09	3.18	2.50	2.34	2.04	2.84	2.18	1.32	3.18	-1.14
29	1.74	1.24	1.10	1.81	4.44	2.24	2.92	1.60	0.29	-0.15	-0.49	-0.56	-0.78	-0.58	-0.38	-0.22	0.12	0.33	0.48	0.72	0.49	0.52	0.48	0.53	0.75	4.44	-0.78
30	0.64	1.02	0.58	1.62	1.73	1.89	1.09	0.49	0.29	-0.11	-0.42	-0.46	-0.45	-0.29	-0.08	0.51	0.21	0.82	1.19	0.51	0.62	1.96	1.56	0.91	0.66	1.96	-0.46
Avg	2.31	2.27	2.14	2.13	2.20	2.12	2.08	1.53	-0.10	-0.51	-0.68	-0.94	-1.15	-1.15	-0.90	-0.44	0.43	2.74	2.54	2.14	2.38	2.42	2.32	2.28	1.17	--	--
Max	3.89	3.87	4.61	4.91	5.23	4.07	4.43	3.79	0.41	-0.07	-0.24	-0.44	-0.45	-0.29	-0.08	0.51	1.76	4.54	4.81	4.92	5.10	3.81	3.43	3.38	--	5.23	--
Min	0.64	0.43	0.41	0.30	0.23	0.17	0.19	0.06	-0.57	-0.81	-1.19	-1.41	-1.64	-1.62	-1.32	-0.93	-0.19	0.33	0.48	0.51	0.49	0.52	0.48	0.53	--	--	-1.64

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, DeltaT"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.02	1.11	1.66	2.71	1.89	1.50	2.41	1.72	1.85	1.47	0.84	0.15	-0.24	-0.31	-0.43	0.59	1.99	3.15	3.22	1.59	3.24	1.82	2.94	2.84	1.62	3.24	-0.43
2	2.67	1.56	1.18	1.62	2.32	2.48	1.31	0.92	0.47	-0.27	-0.74	-0.84	-0.95	-0.51	-0.83	-0.69	0.83	3.50	2.65	2.44	1.82	1.35	1.23	1.52	1.04	3.50	-0.95
3	2.04	2.54	2.66	2.51	2.24	2.60	2.30	1.97	-0.12	-0.62	-0.84	-0.90	-1.20	-1.33	-0.81	-0.40	0.41	3.08	2.39	2.95	2.57	3.16	2.46	1.68	1.31	3.16	-1.33
4	1.63	1.37	2.22	1.41	1.90	2.03	2.30	1.83	-0.17	-0.41	-0.55	-0.93	-1.48	-1.20	-1.00	-0.36	0.20	2.47	2.60	1.71	1.21	2.19	0.99	2.27	0.93	2.60	-1.48
5	2.26	2.91	2.31	2.13	0.83	0.09	0.06	0.07	-0.01	-0.10	-0.19	-0.17	-0.13	-0.12	-0.21	-0.14	0.05	0.17	0.23	0.39	0.22	0.11	0.10	0.12	0.46	2.91	-0.21
6	0.58	0.18	0.16	0.13	0.18	0.32	0.48	0.22	-0.16	-0.40	-0.54	-0.72	-0.79	-0.81	-0.72	-0.59	-0.09	0.70	1.03	0.56	0.61	0.18	0.29	1.58	0.10	1.58	-0.81
7	0.67	0.42	0.43	0.42	0.58	0.38	0.22	0.33	-0.17	-0.47	-0.74	-0.94	-0.92	-0.81	-0.72	-0.54	-0.10	1.53	2.75	3.99	2.76	3.46	4.16	2.31	0.79	4.16	-0.94
8	2.08	0.70	1.37	4.20	3.22	0.95	0.45	1.19	0.05	-0.62	-0.64	-1.32	-1.26	-1.33	-1.06	-0.67	0.30	3.46	2.75	1.58	3.19	2.37	2.25	1.94	1.05	4.20	-1.33
9	1.64	1.93	1.59	1.12	1.86	1.19	1.20	0.54	-0.05	-0.31	-0.47	-0.61	-0.70	-0.68	-0.68	-0.42	0.02	2.12	3.83	3.52	3.95	4.57	2.47	0.26	1.16	4.57	-0.70
10	0.25	0.50	0.66	0.20	0.18	0.32	0.35	0.25	0.05	-0.20	-0.43	-0.43	-0.51	-0.33	-0.22	-0.12	0.11	0.30	0.30	0.57	1.33	1.97	2.77	2.92	0.45	2.92	-0.51
11	1.50	0.34	0.32	0.18	0.19	0.26	0.33	0.32	0.04	-0.30	-0.57	-0.84	-1.11	-1.33	-0.72	-0.53	-0.19	3.07	3.54	1.94	0.67	0.98	1.05	2.67	0.49	3.54	-1.33
12	1.56	0.68	0.50	0.86	1.04	1.09	0.84	0.26	0.22	0.52	-0.28	-0.57	-0.49	-0.49	-0.27	-0.36	0.03	0.19	0.89	2.19	0.50	2.55	2.09	1.93	0.65	2.55	-0.57
13	1.51	0.66	0.38	0.27	0.64	1.30	2.46	1.35	0.18	-0.48	-0.85	-0.91	-0.98	-0.96	-0.92	-0.54	0.43	3.74	2.53	3.14	3.24	3.17	2.87	1.78	1.00	3.74	-0.98
14	2.38	2.78	2.73	3.00	2.82	1.90	2.70	1.68	0.67	-0.46	-0.49	-0.78	-0.94	-0.83	-0.72	-0.44	-0.08	0.30	0.19	0.23	0.44	0.36	2.61	2.33	0.93	3.00	-0.94
15	1.05	0.56	1.07	0.25	0.25	0.29	0.38	0.22	-0.07	-0.34	-0.56	-0.89	-1.03	-1.05	-0.94	-0.67	-0.13	3.26	3.86	2.43	3.37	1.21	1.57	1.28	0.64	3.86	-1.05
16	2.47	3.99	2.32	1.67	0.92	1.05	1.19	0.40	0.02	-0.30	-0.38	-0.39	-0.48	-0.43	-0.83	-0.45	0.45	2.73	2.75	3.61	2.83	2.73	2.46	3.35	1.32	3.99	-0.83
17	3.29	3.23	1.03	1.18	0.40	0.75	0.71	0.36	0.11	-0.07	-0.23	-0.31	-0.25	-0.22	-0.31	-0.50	-0.13	0.13	0.37	0.21	0.47	0.36	0.65	0.51	0.49	3.29	-0.50
18	0.90	0.96	1.07	0.91	1.36	1.05	0.82	1.69	0.06	-0.48	-0.76	-1.05	-1.29	-1.32	-1.13	-0.72	-0.03	1.75	2.50	1.66	2.24	1.21	1.47	2.05	0.62	2.50	-1.32
19	1.60	1.86	2.23	1.77	1.92	2.34	2.18	1.80	0.15	-0.49	-0.54	-0.87	-1.29	-1.33	-1.12	-0.78	-0.08	2.06	2.33	1.02	2.45	2.87	2.44	1.77	1.01	2.87	-1.33
20	1.77	2.09	2.48	1.75	1.99	3.24	3.34	3.78	0.44	-0.47	-0.79	-1.02	-0.95	-1.01	-1.19	-0.85	-0.12	2.59	2.44	1.56	2.35	1.88	2.69	1.55	1.23	3.78	-1.19
21	2.16	3.00	5.78	1.22	1.32	0.61	0.23	0.40	0.15	-0.55	-1.05	-1.34	-1.40	-1.50	-1.35	-0.88	-0.22	0.83	0.65	1.83	1.75	1.99	2.53	2.50	0.78	5.78	-1.50
22	2.96	2.12	1.43	1.84	2.28	2.76	2.06	1.85	0.24	-0.57	-0.94	-1.23	-1.30	-1.74	-1.39	-0.86	-0.18	1.71	2.53	1.42	1.34	1.55	1.95	3.05	0.95	3.05	-1.74
23	3.07	1.69	1.74	2.52	2.07	1.36	2.70	3.35	1.37	-0.25	-0.49	-0.70	-0.77	-0.71	-0.88	-0.27	0.16	1.98	2.74	2.33	2.06	1.43	1.95	2.54	1.29	3.35	-0.88
24	2.19	2.94	2.59	2.15	1.39	2.77	2.93	3.61	0.98	-0.41	-0.78	-1.10	-1.22	-1.32	-1.03	-0.86	-0.02	2.46	3.52	3.30	3.16	3.51	2.54	2.40	1.49	3.61	-1.32
25	3.56	2.64	1.73	1.75	3.28	3.14	2.49	1.39	0.29	-0.61	-0.75	-0.77	-0.95	-0.68	-0.38	-0.09	0.20	3.14	3.35	2.93	3.54	3.15	2.64	3.40	1.60	3.56	-0.95
26	2.99	2.69	3.47	2.76	2.59	1.53	2.43	1.65	0.18	-0.49	-0.74	-0.96	-1.32	-1.02	-1.12	-0.36	0.48	2.83	2.15	2.10	2.73	2.41	2.36	2.98	1.35	3.47	-1.32
27	2.75	2.34	1.81	2.62	2.79	2.63	2.97	2.88	0.25	-0.32	-0.69	-1.05	-1.14	-1.10	-0.88	-0.53	0.24	3.46	3.75	3.56	3.81	2.18	1.96	1.44	1.49	3.81	-1.14
28	3.13	1.94	3.17	1.83	1.45	1.38	4.81	3.58	0.33	-0.22	-0.63	-1.06	-1.26	-1.32	-1.15	-0.78	-0.05	3.71	2.93	3.69	1.71	2.88	1.42	0.76	1.34	4.81	-1.32
29	0.95	0.72	0.61	0.62	0.69	2.03	3.23	0.67	0.26	-0.28	-0.74	-1.08	-1.27	-1.29	-1.12	-0.69	0.06	3.82	2.86	3.39	3.87	3.88	4.02	3.25	1.19	4.02	-1.29
30	3.41	3.03	3.45	3.71	3.55	4.12	4.65	3.68	1.61	-0.38	-0.52	-0.71	-1.09	-1.26	-1.16	-0.59	0.18	3.77	3.66	3.64	3.30	4.00	2.97	3.48	2.10	4.65	-1.26
31	3.05	3.19	2.74	3.68	3.16	3.06	3.59	2.18	0.86	-0.40	-0.49	-0.66	-0.70	-0.65	-0.69	-0.36	0.87	3.38	3.06	3.41	3.28	3.45	3.16	3.51	1.90	3.68	-0.70
Avg	2.04	1.83	1.83	1.71	1.65	1.63	1.87	1.49	0.33	-0.30	-0.57	-0.81	-0.95	-0.94	-0.84	-0.50	0.18	2.30	2.40	2.22	2.26	2.22	2.16	2.13	1.06	--	--
Max	3.56	3.99	5.78	4.20	3.55	4.12	4.81	3.78	1.85	1.47	0.84	0.15	-0.13	-0.12	-0.21	0.59	1.99	3.82	3.86	3.99	3.95	4.57	4.16	3.51	--	5.78	--
Min	0.25	0.18	0.16	0.13	0.18	0.09	0.06	0.07	-0.17	-0.62	-1.05	-1.34	-1.48	-1.74	-1.39	-0.88	-0.22	0.13	0.19	0.21	0.22	0.11	0.10	0.12	--	--	-1.74

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, RH_percent"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	35	38	40	41	43	43	44	30	21	16	13	11	11	10	9	10	10	10	12	13	13	15	14	18	22	44	9
2	22	27	32	34	40	44	45	29	19	18	16	15	14	12	11	13	15	18	24	30	31	33	37	40	26	45	11
3	43	44	46	49	53	55	57	39	24	18	16	13	9	9	9	8	8	9	13	20	21	21	26	29	27	57	8
4	31	34	37	41	45	44	46	34	23	18	17	16	15	15	15	15	16	18	25	32	32	32	33	34	28	46	15
5	34	49	49	51	56	57	57	45	29	22	18	15	14	15	16	16	17	20	24	30	33	35	40	41	33	57	14
6	43	45	49	51	46	46	48	32	20	15	12	10	8	7	7	6	6	8	13	17	18	20	23	25	24	51	6
7	24	17	9	7	8	8	9	9	7	6	5	4	5	5	5	5	5	6	9	13	15	18	19	22	10	24	4
8	21	24	24	27	30	30	30	21	13	8	6	6	6	5	5	6	6	9	16	15	16	18	22	21	16	30	5
9	18	21	23	29	33	37	40	30	22	21	22	22	21	19	19	18	16	15	10	7	8	8	8	9	20	40	7
10	10	11	11	12	12	12	12	11	10	10	11	12	11	12	12	12	13	13	15	18	18	22	21	21	13	22	10
11	22	24	24	24	25	25	27	24	20	18	16	15	14	15	16	17	16	17	26	30	32	36	39	38	23	39	14
12	39	43	45	45	48	48	52	37	25	18	15	11	10	8	6	6	7	10	17	16	18	21	22	23	25	52	6
13	25	25	27	32	34	37	34	28	17	11	10	9	9	10	12	11	11	14	21	23	25	28	29	30	21	37	9
14	33	35	39	41	42	46	46	36	24	16	15	12	12	11	10	9	9	12	18	21	25	26	26	26	25	46	9
15	20	9	7	7	7	7	7	6	6	5	5	5	5	5	5	5	6	8	12	14	12	15	13	13	8	20	5
16	14	15	15	15	15	15	16	15	14	14	14	14	13	14	14	14	15	18	22	26	29	31	37	36	19	37	13
17	36	37	38	39	40	39	39	35	25	22	20	18	16	15	15	14	16	18	22	29	31	37	41	43	28	43	14
18	46	45	49	49	49	55	56	45	28	21	20	17	14	12	12	12	13	15	18	23	23	24	25	27	29	56	12
19	31	32	37	37	37	38	35	32	34	23	18	17	14	13	13	13	13	18	26	26	31	29	33	36	27	38	13
20	40	43	47	51	53	52	54	43	26	20	18	17	17	16	17	19	20	25	28	29	32	34	41	47	33	54	16
21	45	46	52	54	57	60	63	52	38	32	28	26	25	23	22	23	24	28	31	37	40	43	44	44	39	63	22
22	45	47	37	23	13	13	10	9	7	6	6	6	6	6	6	7	7	9	14	17	20	20	20	19	16	47	6
23	18	12	10	10	10	10	10	12	9	8	7	6	7	7	7	7	8	10	15	17	16	18	16	12	11	18	6
24	11	11	12	11	11	12	12	12	11	12	12	11	10	10	9	9	9	11	13	16	17	18	17	17	12	18	9
25	17	17	18	18	18	19	19	19	17	15	13	12	11	10	10	10	10	12	17	24	25	25	27	26	17	27	10
26	31	34	36	38	42	42	44	36	24	16	15	13	12	11	11	10	11	14	20	23	26	29	31	32	25	44	10
27	34	37	37	40	31	29	30	25	13	12	12	10	10	10	10	10	10	12	17	20	23	25	29	29	21	40	10
28	30	30	26	21	24	21	22	22	17	15	12	11	10	9	9	9	11	14	20	23	25	27	26	25	19	30	9
29	24	22	19	23	23	28	27	24	16	14	13	11	10	10	9	9	10	13	19	22	25	29	31	32	19	32	9
30	35	38	40	39	43	43	46	39	25	21	20	19	17	14	14	15	18	21	29	31	33	33	32	37	29	46	14
31	38	85	93	95	95	96	95	90	68	40	31	28	28	27	24	25	24	38	55	60	66	64	66	67	58	96	24
Avg	30	32	33	34	35	36	36	30	21	16	15	13	12	12	12	12	12	15	20	23	25	27	29	30	23	--	--
Max	46	85	93	95	95	96	95	90	68	40	31	28	28	27	24	25	24	38	55	60	66	64	66	67	--	96	--
Min	10	9	7	7	7	7	7	6	6	5	5	4	5	5	5	5	5	6	9	7	8	8	8	9	--	--	4

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, RH_percent"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	69	73	68	70	68	69	73	66	40	28	31	32	26	25	23	24	25	36	53	51	54	62	70	71	50	73	23
2	73	76	78	78	84	84	87	77	51	41	38	34	35	32	30	32	36	44	58	60	68	69	70	74	59	87	30
3	73	78	78	78	83	82	82	74	52	39	36	35	31	29	25	26	30	43	46	43	44	48	50	50	52	83	25
4	47	52	51	52	58	58	56	57	46	33	30	30	23	21	24	24	23	30	38	44	44	51	51	53	42	58	21
5	58	60	62	63	66	67	73	73	52	48	44	38	34	32	30	33	36	38	43	53	60	62	67	68	52	73	30
6	70	74	73	73	72	72	70	67	53	39	30	26	23	21	21	22	25	33	37	37	38	39	40	45	46	74	21
7	49	51	54	55	52	51	53	54	46	40	33	32	31	31	32	34	36	42	47	46	51	50	50	53	45	55	31
8	51	62	81	76	83	87	90	81	59	42	37	37	36	33	32	32	33	39	47	50	54	59	56	62	55	90	32
9	60	56	54	56	58	69	71	61	39	29	26	25	24	22	21	22	24	33	42	45	48	53	57	59	44	71	21
10	63	62	68	68	69	71	74	66	39	28	25	25	23	21	19	19	20	30	38	39	43	44	47	53	44	74	19
11	55	59	55	58	60	62	63	56	37	24	21	19	17	14	11	10	11	21	28	28	31	33	36	38	35	63	10
12	37	40	42	40	42	42	41	29	25	16	12	11	11	11	11	11	16	27	29	30	32	32	32	33	27	42	11
13	38	37	37	38	41	46	48	42	34	18	14	14	13	13	14	11	14	21	25	29	33	34	36	37	29	48	11
14	38	37	38	40	41	44	43	40	27	17	14	13	12	10	10	11	15	22	26	29	32	33	34	36	28	44	10
15	38	40	45	44	41	42	43	40	26	15	11	11	11	9	9	9	13	20	21	20	23	28	28	30	26	45	9
16	33	37	35	36	33	39	41	35	20	13	11	11	10	9	9	10	11	18	24	24	29	29	31	31	24	41	9
17	34	36	37	39	39	41	41	36	27	21	15	15	16	18	18	20	22	27	32	31	33	35	39	42	30	42	15
18	44	46	48	55	61	47	36	35	26	20	16	13	12	10	9	8	7	10	19	16	13	10	12	10	24	61	7
19	10	11	12	13	13	14	16	17	16	15	14	12	11	10	9	9	9	10	14	18	21	25	26	26	15	26	9
20	26	26	25	28	27	26	28	27	21	14	13	12	13	12	12	12	16	22	26	27	28	31	32	34	22	34	12
21	36	37	41	41	42	42	42	39	28	18	17	13	12	11	11	12	13	21	27	25	26	26	18	16	26	42	11
22	14	13	14	15	12	12	13	13	12	11	10	10	9	9	9	9	10	12	11	15	16	20	20	22	13	22	9
23	25	19	21	24	23	24	25	23	20	18	16	14	13	13	14	14	15	25	28	30	32	36	38	39	23	39	13
24	41	44	43	42	46	46	47	45	27	16	14	14	13	12	12	13	15	24	30	29	35	36	37	39	30	47	12
25	41	41	45	45	45	49	49	48	30	19	16	15	14	14	14	14	17	28	31	33	37	38	39	42	32	49	14
26	45	45	50	50	49	51	49	46	23	14	11	9	8	9	10	10	12	23	24	29	31	31	31	31	29	51	8
27	33	37	39	42	42	45	42	43	28	15	11	10	9	9	12	13	18	23	27	28	28	34	35	35	27	45	9
28	44	52	55	57	61	65	66	61	40	27	23	18	16	17	16	19	24	32	36	40	41	37	39	38	38	66	16
29	36	33	32	30	36	26	25	25	19	17	16	15	14	14	14	14	16	17	18	20	21	22	22	23	22	36	14
30	23	25	24	26	28	30	29	26	23	18	16	15	16	18	19	21	22	28	30	26	25	29	29	30	24	30	15
Avg	44	45	47	48	49	50	50	47	33	24	21	19	18	17	17	17	19	27	32	33	36	38	39	41	34	--	--
Max	73	78	81	78	84	87	90	81	59	48	44	38	36	33	32	34	36	44	58	60	68	69	70	74	--	90	--
Min	10	11	12	13	12	12	13	13	12	11	10	9	8	9	9	8	7	10	11	15	13	10	12	10	--	--	7

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, RH_percent"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	29	30	32	32	29	28	29	27	28	33	33	25	21	23	22	25	32	38	43	39	44	40	44	45	32	45	21
2	47	39	36	38	41	41	29	25	29	22	18	17	16	17	15	15	18	29	31	33	34	34	34	36	29	47	15
3	39	43	47	48	51	53	53	54	39	27	25	24	23	22	24	25	26	36	42	45	47	51	54	55	40	55	22
4	57	57	62	63	65	67	71	71	54	39	33	30	27	30	30	32	36	45	52	55	56	61	60	62	51	71	27
5	65	65	66	61	23	16	14	14	14	14	15	16	15	18	19	23	26	27	28	27	23	22	24	27	28	66	14
6	27	20	19	20	20	22	22	22	17	16	18	17	21	22	22	19	14	8	7	8	8	8	9	9	17	27	7
7	7	8	9	10	11	10	11	13	12	11	11	10	9	8	7	6	6	8	11	16	18	16	19	15	11	19	6
8	15	14	17	25	27	27	28	28	20	14	14	12	12	11	10	11	12	20	24	23	27	28	28	30	20	30	10
9	31	33	33	33	31	14	15	15	13	11	11	10	10	10	9	9	10	14	19	22	22	24	18	13	18	33	9
10	12	11	12	12	12	12	12	11	10	10	9	8	7	6	6	6	6	6	7	8	9	12	13	13	10	13	6
11	12	10	10	10	10	10	10	10	9	8	8	7	6	7	6	6	6	10	16	17	16	15	14	14	10	17	6
12	9	5	7	12	9	9	11	9	8	10	8	6	6	7	7	6	7	7	7	8	8	10	11	12	8	12	5
13	11	11	11	11	11	12	15	15	11	9	7	6	6	7	7	8	9	14	17	20	22	25	26	25	13	26	6
14	27	29	29	31	34	33	36	33	28	16	10	10	10	12	14	15	17	18	18	19	20	20	26	33	22	36	10
15	25	23	24	18	18	17	19	20	19	19	18	15	14	13	12	12	13	22	28	27	29	25	28	27	20	29	12
16	26	32	30	29	29	29	28	21	20	18	16	15	13	12	12	13	15	23	25	31	31	33	35	37	24	37	12
17	37	42	65	72	85	90	86	64	59	58	57	55	54	55	56	46	49	55	59	59	60	59	63	59	60	90	37
18	61	79	80	82	87	87	82	69	66	52	33	30	37	35	37	39	42	53	68	71	78	76	80	84	63	87	30
19	86	87	89	89	90	92	92	92	77	57	45	39	33	32	30	31	36	50	61	64	69	74	76	77	65	92	30
20	75	75	75	75	75	77	78	79	55	34	24	24	22	20	19	21	25	40	53	50	54	57	62	63	51	79	19
21	66	67	53	38	51	54	52	57	46	35	33	29	27	25	24	22	23	28	24	28	36	41	46	46	40	67	22
22	51	51	49	52	55	57	58	58	43	26	21	20	19	18	18	18	20	27	36	37	40	41	45	49	38	58	18
23	52	51	49	52	53	48	50	49	41	24	16	13	15	11	13	15	18	25	34	37	36	38	38	39	34	53	11
24	39	42	41	41	38	39	40	41	26	14	9	12	11	11	11	10	12	21	28	32	32	33	33	33	27	42	9
25	37	39	37	36	37	37	39	38	31	19	11	8	9	10	10	11	12	20	25	27	30	31	32	32	26	39	8
26	31	30	32	29	32	30	34	32	22	12	9	9	9	8	9	10	11	18	21	23	24	26	26	27	21	34	8
27	27	27	26	28	31	31	32	31	21	14	10	9	10	9	9	9	10	18	23	25	28	25	25	25	21	32	9
28	29	28	30	29	28	27	35	35	21	13	9	9	9	8	8	9	11	20	23	25	22	24	22	18	21	35	8
29	17	17	16	15	15	17	17	15	13	10	7	8	7	7	6	6	7	13	17	19	21	25	26	27	15	27	6
30	29	31	33	34	33	34	34	34	23	12	8	7	7	7	7	8	8	15	20	21	23	27	25	28	21	34	7
31	29	30	28	31	30	32	33	31	26	17	11	9	9	9	8	8	10	17	20	22	22	25	25	26	21	33	8
Avg	36	36	37	37	37	37	38	36	29	22	18	16	16	16	16	16	18	24	29	30	32	33	34	35	28	--	--
Max	86	87	89	89	90	92	92	92	77	58	57	55	54	55	56	46	49	55	68	71	78	76	80	84	--	92	--
Min	7	5	7	10	9	9	10	9	8	8	7	6	6	6	6	6	6	6	7	8	8	8	9	9	--	--	5

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, SR_wm2"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	12.2	193	408	593	736	817	833	784	669	496	286	81.7	0.064	0	0	0	0	0	246	833	0
2	0	0	0	0	0	0	10.3	188	409	596	738	818	828	775	662	490	280	78	0.0225	0	0	0	0	0	245	828	0
3	0	0	0	0	0	0	10.1	185	404	591	733	815	831	775	660	490	277	75.5	0	0	0	0	0	0	244	831	0
4	0	0	0	0	0	0	10.7	174	389	565	705	783	795	743	631	467	263	68.4	0.001	0	0.0035	0	0	0	233	795	0
5	0	0.037	0	0	0.0113	0.072	11.4	135	322	483	690	770	783	728	618	450	249	61.9	0	0	0	0	0	0	221	783	0
6	0	0	0	0	0	0	8.55	179	401	581	732	816	833	775	659	485	273	64.4	0	0	0	0	0	0	242	833	0
7	0	0.0043	0	0	0	0	5.34	183	418	606	751	827	837	779	661	485	271	62.4	0	0	0	0	0	0	245	837	0
8	0	0	0	0	0	0	8.15	182	399	583	728	809	825	764	648	469	254	54.4	0	0	0	0	0	0.195	238	825	0
9	0	0	0	0	0	0	9.41	165	371	545	690	768	781	723	611	437	233	47.1	0	0	0	0	0	0	224	781	0
10	0	0	0	0	0	0	7.23	167	390	571	711	786	793	697	545	422	232	52.9	0	0	0	0	0	0	224	793	0
11	0	0	0	0	0	0	7.95	146	380	552	690	760	766	683	597	429	229	45.1	0	0	0	0	0	0	220	766	0
12	0	0	0	0	0	0.006	7	155	373	549	693	772	783	665	617	449	240	44.4	0	0	0	0	0	0	223	783	0
13	0	0	0	0	0	0	6.34	160	370	543	682	756	766	711	601	433	226	39.1	0	0	0	0	0	0	221	766	0
14	0	0	0	0	0	0	6.21	161	374	549	690	766	780	724	611	438	228	39.2	0	0	0	0	0	0	224	780	0
15	0	0	0	0	0	0	4.54	161	383	564	705	781	787	723	604	424	217	35.6	0	0	0	0	0.028	0	225	787	0
16	0	0	0	0	0	0	4.49	150	364	538	677	751	745	705	591	419	214	34.4	0	0	0	0	0	0	216	751	0
17	0	0	0	0	0	0	6.24	139	353	529	657	699	758	631	462	302	130	19.5	0	0	0	0	0	0	195	758	0
18	0	0	0	0	0	0	4.59	134	335	494	646	734	742	614	394	301	155	15.4	0	0	0	0	0	0	190	742	0
19	0	0	0	0	0	0	7.24	104	104	187	142	268	753	621	400	397	209	22.1	0	0	0	0	0	0	134	753	0
20	0	0	0	0	0	0	5.07	136	341	510	647	720	721	671	564	390	193	21	0	0	0	0	0	0	205	721	0
21	0	0	0	0	0	0	8.78	110	322	481	625	700	699	655	546	370	176	21.7	0	0	0	0	0	0	196	700	0
22	0	0	0	0	0	0	3.64	135	357	532	667	732	729	673	566	394	191	21.7	0	0	0	0	0	0	208	732	0
23	0	0.014	0	0	0	0	2.52	130	357	533	669	733	738	685	570	393	187	19.6	0	0	0	0	0.061	0	209	738	0
24	0	0	0	0	0	0	3.71	123	340	515	648	715	721	671	561	388	185	19	0	0	0	0	0	0	204	721	0
25	0	0	0	0	0	0	3.18	118	335	508	641	707	712	662	548	375	169	14.7	0	0	0	0	0	0	200	712	0
26	0	0	0	0	0	0	4.22	108	322	490	625	697	706	659	547	370	172	13.1	0	0	0	0	0	0	196	706	0
27	0	0	0	0	0	0	3.01	111	324	498	632	698	705	655	542	369	170	11.5	0	0	0	0	0	0	197	705	0
28	0	0	0.0115	0	0	0	1.66	102	318	493	625	692	696	645	529	357	161	10.8	0	0	0	0	0	0	193	696	0
29	0	0	0	0	0	0	1.91	103	319	490	618	682	686	638	527	357	159	9.63	0	0	0	0	0	0	191	686	0
30	0	0	0	0	0	0	3.64	96	318	270	327	185	444	605	469	263	79.3	20.3	0	0	0	0.0117	0	0	128	605	0
31	0.252	0	0	0	0	0	2.15	119	277	495	623	692	550	349	374	229	97.8	10.6	0	0	0	0	0	0	159	692	0
Avg	0.0082	0.0018	0	0	0	0.0025	6.18	144	351	517	650	718	746	683	567	405	207	36.6	0.0028	0	0	0	0.0029	0.0063	210	--	--
Max	0.252	0.037	0.0115	0.0038	0.0113	0.072	12.2	193	418	606	751	827	837	784	669	496	286	81.7	0.064	0	0.0035	0.0117	0.061	0.195	--	837	--
Min	0	0	0	0	0	0	1.66	96	104	187	142	185	444	349	374	229	79.3	9.63	0	0	0	0	0	0	--	--	0

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, SR_wm2"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	1.38	83	297	450	592	669	681	626	512	339	146	6.77	0	0	0	0	0	0	183	681	0
2	0	0	0	0	0	0	1.73	91.5	287	393	533	678	672	618	504	333	142	6.83	0	0	0	0	0	0	178	678	0
3	0	0	0	0	0	0	1.56	93.5	223	359	603	558	600	485	417	286	80.8	4.07	0	0	0	0	0	0.0132	155	603	0
4	0	0	0	0	0	0	0.884	50.2	174	220	317	306	573	549	346	244	120	8.39	0	0	0	0	0	0	121	573	0
5	0	0	0.0162	0.128	0	0	1.33	52.8	274	369	583	654	655	668	456	138	80.8	7.08	0	0	0	0	0	0	164	668	0
6	0	0	0	0	0	0	0.69	48.5	149	357	502	621	650	567	489	305	105	3.09	0	0	0	0	0	0	158	650	0
7	0	0	0	0	0	0	0.276	36.4	121	191	293	374	416	285	228	110	45.6	2.23	0	0	0	0	0	0	87.6	416	0
8	0.009	0	0	0	0	0	0.873	79.7	265	431	565	640	649	562	474	247	125	5.42	0	0	0	0	0	0	168	649	0
9	0	0.006	0	0	0	0	0.68	83	269	439	569	641	648	596	483	316	128	1.95	0	0	0	0	0	0	174	648	0
10	0	0	0	0	0	0	0.876	81.3	268	428	563	620	618	591	480	311	125	1.12	0	0	0	0	0	0	170	620	0
11	0	0	0	0	0	0	0.401	70.9	263	433	559	637	647	598	485	316	124	0.722	0	0	0	0	0	0	172	647	0
12	0	0	0	0	0	0	0.539	47.1	168	395	552	598	648	575	481	302	80.2	1.81	0	0	0	0	0	0	160	648	0
13	0	0	0	0	0	0	0.845	48.1	204	412	516	444	540	473	355	341	133	2.58	0	0	0	0	0	0	145	540	0
14	0	0	0	0	0	0	0.127	80.2	187	422	548	632	599	590	434	231	69.6	2.63	0	0	0	0	0	0	158	632	0
15	0	0	0	0	0	0	0.241	41	239	385	490	621	626	587	356	265	69.5	1	0	0	0	0	0	0	153	626	0
16	0	0	0	0	0	0	0.31	57.5	245	405	535	612	639	585	452	299	112	0.73	0	0	0	0	0	0	164	639	0
17	0	0	0	0	0	0	0.576	44.1	118	249	407	487	558	355	228	102	37.3	0.232	0	0	0	0	0	0	108	558	0
18	0	0	0	0	0	0.0805	0	49.2	252	425	557	630	641	592	481	314	119	0.745	0	0	0.0058	0	0	0	169	641	0
19	0	0	0	0	0	0	0	48.4	248	422	557	631	641	589	476	309	114	0.917	0	0	0	0	0	0	168	641	0
20	0	0	0	0	0	0	0	52.5	249	358	398	597	479	534	381	276	63	2.07	0	0	0	0	0	0	141	597	0
21	0	0	0	0	0	0	0	41.5	214	349	458	581	571	527	408	203	65.5	1.82	0	0	0	0	0.0652	0	142	581	0
22	0	0	0	0	0	0	0	42.7	203	398	525	594	607	548	441	279	96	0.414	0	0	0	0	0	0	156	607	0
23	0.085	0	0	0	0	0	0	42	214	399	530	602	611	559	449	286	101	0.184	0	0	0	0	0	0	158	611	0
24	0	0	0	0	0	0	0	40.8	221	384	511	587	596	547	439	282	100	0.198	0	0	0	0	0	0	155	596	0
25	0	0	0	0	0	0	0	38.2	216	381	508	585	598	547	438	279	96.6	0.136	0	0	0	0	0	0	154	598	0
26	0	0	0	0	0	0	0.0025	36.1	215	383	497	561	577	537	429	269	92.4	0.238	0	0	0	0	0	0	150	577	0
27	0	0	0	0	0	0	0	34.7	215	382	513	588	601	556	314	122	32.7	0.322	0	0	0	0	0.0478	0	140	601	0
28	0	0	0	0	0	0	0	32.5	208	373	510	581	590	501	434	167	51.1	0.873	0	0	0	0	0	0	144	590	0
29	0	0	0	0	0.001	0.242	0	17.7	168	176	410	366	484	344	253	168	36.7	0.267	0	0	0	0	0	0	101	484	0
30	0	0	0	0	0	0	0	10.7	47.7	126	238	269	230	165	113	75.7	27.6	0.285	0	0	0	0	0	0	54.2	269	0
Avg	0.0031	0	0	0.0043	0	0.0108	0.444	52.5	214	363	498	565	588	528	408	251	90.6	2.17	0	0	0	0	0.0038	0	148	--	--
Max	0.085	0.006	0.0162	0.128	0.001	0.242	1.73	93.5	297	450	603	678	681	668	512	341	146	8.39	0	0	0.0058	0	0.0652	0.0132	--	681	--
Min	0	0	0	0	0	0	0	10.7	47.7	126	238	269	230	165	113	75.7	27.6	0.136	0	0	0	0	0	0	--	--	0

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, SR_wm2"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0.0018	0	0.0078	12.5	41.5	41.3	86.6	97.5	156	155	199	81.3	28	1.27	0	0	0	0	0	0	37.5	199	0
2	0.2	0.162	0.0782	0	0	0.19	0.32	3.13	89.2	314	528	480	458	351	393	263	35.8	0.529	0.004	0	0	0	0	0	122	528	0
3	0	0	0	0	0	0	0	22.9	179	329	440	498	535	515	282	207	78.2	0.791	0	0	0	0	0	0	129	535	0
4	0	0	0	0	0	0	0	19.6	172	327	469	538	566	450	344	183	68.1	0.8	0	0	0	0	0	0	131	566	0
5	0	0	0	0.141	0.301	0	0	1.6	23.6	73.2	124	112	76.6	75.1	120	95.9	32.9	1.77	0	0	0	0	0	0	30.7	124	0
6	0	0	0	0	0	0	0	16	185	354	481	555	570	527	425	271	91.7	0.608	0	0	0	0	0	0	145	570	0
7	0	0	0	0	0	0	0	15.3	195	370	500	579	598	555	449	290	101	0.629	0	0	0	0	0	0.012	152	598	0
8	0	0	0	0	0	0	0	13.6	188	352	484	562	578	532	431	276	93.7	0.391	0	0	0	0	0	0	146	578	0
9	0	0	0	0	0.0967	0.0395	0	11.3	187	358	492	569	588	542	426	269	65.6	0.249	0	0	0	0	0.036	0	146	588	0
10	0	0	0	0	0	0	0	11.4	147	303	468	429	452	269	236	154	50	1.16	0	0	0	0	0	0	105	468	0
11	0	0	0	0	0	0	0	6.06	93.7	301	497	660	696	627	433	282	121	0.906	0	0	0	0	0	0	155	696	0
12	0	0	0	0	0	0	0	9.91	67.7	132	352	459	363	359	231	258	72.6	1.6	0	0	0	0	0	0	96.1	459	0
13	0	0	0	0	0	0	0	8.52	177	346	480	557	575	531	429	278	95.2	0.446	0	0	0	0	0	0	145	575	0
14	0	0	0	0	0	0	0	8.44	143	332	466	536	550	508	404	256	86.8	1.71	0	0	0	0	0	0	137	550	0
15	0	0	0	0	0	0	0	8.19	168	339	474	548	566	524	421	271	92.8	0.54	0	0	0	0	0	0	142	566	0
16	0	0	0	0	0	0	0	17.5	103	212	209	215	235	206	362	189	46.4	0.827	0	0	0	0	0.017	0	74.9	362	0
17	0.118	0.067	0	0.105	0.0313	0.0038	0.646	10.8	47.9	112	226	271	177	129	184	259	82.1	4.8	0	0	0	0	0	0.0168	62.7	271	0
18	0	0	0	0	0	0	0	6.28	137	319	452	534	558	517	418	268	94.4	1.7	0	0	0	0	0	0	138	558	0
19	0	0	0	0	0	0	0	8.6	143	307	446	532	559	522	423	275	95.8	1.42	0	0	0	0	0	0	138	559	0
20	0	0	0	0	0	0	0	8.32	155	324	461	543	567	525	430	280	102	1.13	0	0	0	0	0	0	142	567	0
21	0	0	0.047	0	0	0	0	4.35	121	326	468	557	585	538	445	288	107	2.3	0	0	0	0	0	0	143	585	0
22	0	0	0	0	0	0	0	7.6	155	326	470	557	580	541	442	291	109	1.05	0	0	0	0	0	0	145	580	0
23	0	0	0	0	0	0	0	9.3	101	229	291	378	363	427	388	155	51	1.72	0	0	0	0	0	0	99.8	427	0
24	0	0	0	0	0.0073	0	0	7.33	150	324	462	542	557	529	428	303	114	5.98	0	0	0	0	0	0	143	557	0
25	0	0	0	0	0	0	0	11.1	112	329	482	553	426	298	210	137	104	3.88	0	0	0	0	0	0	111	553	0
26	0	0	0	0	0	0	0	6.52	147	324	463	549	574	439	395	199	68.3	4.18	0	0	0	0	0	0	132	574	0
27	0	0	0	0	0	0	0	11.1	107	290	477	498	487	462	376	262	93.4	0.788	0	0	0	0	0	0	128	498	0
28	0	0	0	0	0	0	0	6.97	152	332	473	559	585	550	454	301	118	0.894	0	0	0	0	0	0	147	585	0
29	0	0	0	0	0	0	0	5.03	149	328	468	558	587	550	453	302	122	0.702	0	0	0	0	0	0	147	587	0
30	0	0	0	0	0	0	0	6.86	148	318	464	552	585	551	456	307	126	0.693	0	0	0	0	0	0	146	585	0
31	0	0	0.002	0	0	0	0	9.76	102	262	305	410	357	326	326	189	61.2	4.08	0	0	0	0	0	0	98	410	0
Avg	0.0103	0.0074	0.0041	0.0079	0.0141	0.0075	0.0314	9.87	132	288	418	484	487	440	368	240	84.1	1.6	0	0	0	0	0.0017	0	123	--	--
Max	0.2	0.162	0.0782	0.141	0.301	0.19	0.646	22.9	195	370	528	660	696	627	456	307	126	5.98	0.004	0	0	0	0.036	0.0168	--	696	--
Min	0	0	0	0	0	0	0	1.6	23.6	41.3	86.6	97.5	76.6	75.1	120	81.3	28	0.249	0	0	0	0	0	0	--	--	0

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, Temp_2m_C"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	15.3	13.7	12.7	12.0	11.0	11.3	11.3	18.0	24.3	28.5	30.2	31.5	32.6	33.2	33.4	33.5	32.9	31.5	28.2	26.6	25.9	24.5	25.4	24.6	23.8	33.5	11.0
2	21.9	18.6	16.4	15.7	13.0	11.7	11.4	17.5	24.3	26.9	28.3	29.4	30.1	31.2	31.8	31.3	30.0	28.1	23.4	19.5	18.8	17.3	15.7	14.3	21.9	31.8	11.4
3	13.6	13.4	12.9	12.0	11.2	10.8	10.4	17.1	24.8	28.5	30.1	31.7	33.3	34.3	34.5	34.6	33.6	31.9	27.0	21.3	20.9	20.8	18.8	17.6	22.7	34.6	10.4
4	17.0	16.5	15.6	14.6	13.7	14.4	14.0	19.3	26.5	31.1	32.9	34.4	35.2	36.0	36.3	35.5	34.3	32.1	27.6	23.6	23.4	23.5	23.5	23.1	25.2	36.3	13.7
5	23.2	21.9	22.3	21.6	20.7	21.3	21.8	24.2	27.9	30.6	33.1	34.6	35.6	35.9	35.8	35.2	34.0	31.9	28.0	24.3	22.4	21.1	19.3	18.6	26.9	35.9	18.6
6	17.5	16.5	15.1	14.2	14.2	13.4	12.5	18.1	24.7	29.1	31.4	32.4	33.2	33.7	33.8	33.4	31.9	29.4	24.4	20.2	18.8	16.7	14.8	13.2	22.6	33.8	12.5
7	13.3	15.7	21.2	23.0	23.2	23.1	22.8	24.2	26.4	28.7	30.2	31.8	33.1	33.8	33.9	33.7	32.4	29.3	23.4	18.9	15.7	13.9	12.8	11.2	24.0	33.9	11.2
8	11.1	9.7	9.5	8.6	7.5	7.6	8.0	14.0	22.9	28.1	29.9	31.4	32.1	32.5	32.9	32.6	31.6	28.0	20.3	18.6	16.8	15.6	13.2	15.3	19.9	32.9	7.5
9	17.2	15.0	14.3	11.5	10.5	9.7	9.5	15.6	21.6	24.9	26.5	27.2	27.9	28.8	29.1	29.3	28.3	26.3	24.9	23.7	22.3	21.6	21.3	20.8	21.2	29.3	9.5
10	20.1	19.7	19.2	18.8	18.7	18.4	18.4	19.7	22.2	24.0	25.8	27.9	29.8	30.5	30.8	30.7	30.3	28.7	26.6	24.9	24.9	21.4	23.3	23.9	24.1	30.8	18.4
11	23.1	22.6	22.2	22.1	21.8	21.6	20.9	22.7	25.9	28.3	30.3	32.0	33.2	34.5	34.8	34.1	32.8	30.6	24.3	21.5	20.0	18.1	16.6	16.5	25.4	34.8	16.5
12	16.0	14.4	13.6	13.2	12.6	12.9	12.0	17.3	24.5	29.4	31.0	32.3	32.9	32.9	33.2	33.0	31.8	28.0	20.6	19.8	18.0	16.0	15.1	14.7	21.9	33.2	12.0
13	13.6	13.4	13.0	11.5	10.8	10.0	11.3	15.6	23.3	28.2	30.7	32.1	33.3	33.4	33.4	33.1	31.9	28.3	21.9	19.4	17.9	16.4	15.7	15.2	21.4	33.4	10.0
14	13.8	13.2	11.9	11.4	11.1	10.3	10.9	15.7	22.8	27.7	29.9	31.4	32.3	32.6	32.8	32.5	31.1	28.0	21.8	19.1	16.6	15.7	15.9	15.9	21.0	32.8	10.3
15	17.4	21.8	23.0	22.7	22.3	22.6	22.4	23.4	25.4	28.0	30.0	32.0	33.6	34.5	34.9	34.6	33.6	29.5	22.6	20.1	22.1	19.8	26.8	26.7	26.2	34.9	17.4
16	25.1	24.1	23.8	24.3	24.1	23.9	23.5	24.6	27.0	28.7	29.9	31.2	32.3	33.2	34.0	34.1	33.5	31.4	28.1	25.5	23.3	22.1	19.3	20.1	27.0	34.1	19.3
17	20.3	20.4	20.3	19.6	19.4	20.4	20.4	22.8	28.1	30.1	32.1	33.7	34.7	34.7	35.0	34.3	32.8	31.1	28.2	23.7	22.3	19.4	17.7	17.1	25.8	35.0	17.1
18	16.2	16.4	15.3	15.7	15.7	13.7	13.7	17.9	25.3	29.6	31.9	33.2	34.1	34.4	33.2	33.0	31.7	29.6	26.9	23.9	23.2	22.6	23.8	22.0	24.3	34.4	13.7
19	20.2	18.8	16.6	16.0	15.6	15.6	16.5	19.8	22.2	26.3	28.1	28.6	32.3	32.7	32.3	32.8	31.7	27.3	21.5	20.4	17.8	18.4	16.6	15.3	22.6	32.8	15.3
20	13.8	13.2	12.1	11.1	10.8	11.0	10.4	14.3	21.9	25.9	27.9	29.3	29.6	29.8	30.1	29.7	28.5	26.3	24.4	22.7	21.3	20.6	17.6	14.9	20.7	30.1	10.4
21	16.5	15.4	13.5	12.7	11.9	10.9	9.9	13.6	18.4	21.6	23.3	24.7	25.8	26.5	27.2	26.8	25.6	23.2	20.4	17.3	16.1	14.7	14.5	14.6	18.5	27.2	9.9
22	14.6	13.6	13.6	14.1	17.3	16.4	19.1	21.2	24.7	26.1	27.7	29.4	30.7	31.6	32.2	31.8	30.6	27.4	21.5	18.0	15.1	15.1	14.9	16.3	21.8	32.2	13.6
23	16.8	23.2	25.7	24.7	24.3	24.7	24.3	23.4	27.7	29.7	31.4	33.5	33.4	33.8	34.4	34.3	33.2	28.6	22.6	20.3	21.1	19.3	20.9	24.8	26.5	34.4	16.8
24	25.8	27.3	26.1	26.9	26.2	25.6	25.1	25.6	26.8	28.3	29.6	30.8	32.1	32.9	33.2	33.1	32.6	30.3	27.8	26.1	25.7	25.2	25.4	25.0	28.1	33.2	25.0
25	24.5	24.1	23.9	23.4	22.9	22.5	22.1	22.7	24.4	26.3	28.4	30.1	31.5	32.3	32.8	32.6	31.8	29.4	24.7	19.2	18.2	18.0	17.3	17.9	25.0	32.8	17.3
26	15.2	13.7	12.6	11.6	10.6	10.5	10.0	13.7	21.3	26.2	28.8	30.2	30.9	31.1	31.2	30.8	29.4	26.4	20.6	18.1	15.9	14.3	12.8	12.4	19.9	31.2	10.0
27	11.7	9.9	9.9	9.2	13.0	13.6	13.2	15.9	24.3	26.2	27.8	29.5	30.5	30.8	31.1	30.6	29.1	26.2	20.8	18.3	16.0	14.8	12.8	12.8	19.9	31.1	9.2
28	12.2	12.4	14.7	18.1	16.7	19.1	18.6	18.9	22.6	24.3	26.5	28.2	29.6	30.5	31.1	30.8	29.2	24.8	19.1	16.7	15.0	13.9	14.7	15.2	21.0	31.1	12.2
29	16.1	17.8	20.2	17.7	17.8	15.1	16.0	18.3	23.7	26.0	28.0	29.5	30.6	31.1	31.5	31.6	30.0	26.3	20.6	18.1	15.7	13.3	12.4	11.7	21.6	31.6	11.7
30	10.8	9.6	9.0	9.5	8.1	8.2	7.7	11.2	19.0	23.9	25.1	25.1	26.2	28.0	28.4	27.6	26.0	23.4	18.0	15.9	14.6	14.6	14.8	12.7	17.4	28.4	7.7
31	14.3	15.6	14.7	13.5	12.4	11.6	11.2	12.4	17.1	21.6	23.4	24.6	24.7	24.2	24.6	24.0	22.8	19.8	16.8	14.7	13.0	12.2	11.3	11.2	17.2	24.7	11.2
Avg	17.0	16.8	16.6	16.2	15.8	15.5	15.5	18.7	23.9	27.2	29.0	30.4	31.5	32.1	32.4	32.1	30.9	28.2	23.5	20.7	19.3	18.1	17.6	17.3	22.8	--	--
Max	25.8	27.3	26.1	26.9	26.2	25.6	25.1	25.6	28.1	31.1	33.1	34.6	35.6	36.0	36.3	35.5	34.3	32.1	28.2	26.6	25.9	25.2	26.8	26.7	--	36.3	--
Min	10.8	9.6	9.0	8.6	7.5	7.6	7.7	11.2	17.1	21.6	23.3	24.6	24.7	24.2	24.6	24.0	22.8	19.8	16.8	14.7	13.0	12.2	11.3	11.2	--	--	7.5

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, Temp_2m_C"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	10.6	9.7	9.8	9.5	9.6	9.7	9.5	11.4	17.5	21.7	24.2	25.1	25.8	26.1	26.4	25.8	24.8	20.5	16.2	15.3	13.9	12.1	10.8	10.2	16.5	26.4	9.5
2	9.7	9.3	8.9	8.8	8.1	9.0	8.4	11.0	17.8	22.1	23.3	24.6	24.7	25.2	25.3	24.8	23.7	20.4	16.1	15.4	13.0	12.4	11.8	10.7	16.0	25.3	8.1
3	10.6	9.6	9.5	9.2	8.3	8.5	8.5	10.6	17.0	21.4	24.1	25.1	25.9	25.9	26.1	25.8	23.9	20.0	18.6	18.7	18.1	16.8	15.2	15.1	17.2	26.1	8.3
4	16.2	15.2	15.6	15.5	14.4	14.3	14.5	14.8	19.0	22.0	23.5	24.2	26.1	27.1	26.2	26.0	25.2	22.0	18.5	16.3	16.3	15.0	15.1	14.0	19.0	27.1	14.0
5	13.0	12.9	13.3	13.3	12.7	12.4	10.9	11.7	17.8	20.6	22.6	23.5	24.5	24.9	25.0	23.4	22.7	21.4	18.8	15.1	12.9	11.8	10.5	10.2	16.9	25.0	10.2
6	9.1	8.0	7.9	7.8	8.0	8.1	8.7	10.0	14.3	18.9	22.3	24.1	25.1	25.7	25.8	25.5	24.0	19.9	18.3	18.0	17.6	17.5	16.7	15.2	16.5	25.8	7.8
7	14.0	13.3	12.1	11.9	13.0	13.5	13.1	13.8	17.3	20.3	22.8	24.1	25.0	24.9	24.5	23.8	22.7	20.1	18.4	18.0	16.8	17.0	16.8	15.9	18.1	25.0	11.9
8	16.7	16.2	15.3	15.3	13.9	12.5	10.9	12.6	17.0	20.8	23.2	24.5	24.9	25.4	25.9	25.4	24.5	21.5	18.1	16.7	15.3	14.2	14.9	13.0	18.3	25.9	10.9
9	13.6	15.0	16.0	15.2	14.3	11.0	10.4	12.7	20.3	24.8	26.3	27.2	27.9	28.5	28.6	28.4	26.7	21.9	17.3	15.3	14.4	12.7	12.0	10.9	18.8	28.6	10.4
10	10.1	10.3	8.9	8.6	8.4	7.8	7.3	9.9	19.2	24.1	26.3	27.1	27.9	28.6	28.8	28.0	26.6	21.0	16.5	15.4	13.9	13.8	12.8	11.2	17.2	28.8	7.3
11	10.4	9.2	9.7	8.8	8.3	7.7	7.6	9.1	16.6	22.9	25.7	26.9	27.7	28.3	28.3	28.0	26.2	19.7	15.1	13.9	12.3	11.3	10.2	9.6	16.4	28.3	7.6
12	9.4	7.8	7.3	7.4	6.9	7.3	7.7	12.1	16.2	23.0	27.5	29.1	29.2	29.6	29.7	29.3	26.6	19.5	16.7	15.3	14.1	14.4	14.1	13.4	17.2	29.7	6.9
13	11.6	11.7	12.0	12.2	11.0	10.1	9.7	12.2	16.9	24.5	28.0	28.4	29.1	29.3	28.7	29.6	27.8	22.8	18.9	16.5	14.3	13.2	11.9	11.3	18.4	29.6	9.7
14	10.5	10.5	10.0	9.3	8.9	8.0	8.2	9.7	17.1	22.8	26.6	27.9	28.9	29.6	29.3	28.0	25.4	19.5	16.0	13.7	12.2	11.4	10.3	9.3	16.8	29.6	8.0
15	8.6	7.7	6.3	6.2	7.0	6.7	6.5	8.0	15.6	22.6	25.9	27.2	28.2	29.2	28.2	27.8	24.9	18.4	16.8	16.6	14.6	12.0	11.6	10.3	16.1	29.2	6.2
16	9.0	7.6	8.2	7.9	8.7	7.0	6.6	9.0	17.0	23.6	26.6	27.7	29.0	29.9	29.5	28.9	27.0	20.0	15.3	14.2	11.5	11.1	10.1	10.1	16.5	29.9	6.6
17	9.5	8.5	8.5	8.0	8.3	7.8	8.4	11.2	16.5	20.3	24.2	25.3	26.2	25.7	25.1	23.7	22.7	19.8	17.3	16.8	15.8	14.8	12.8	11.2	16.2	26.2	7.8
18	10.7	10.3	10.5	8.4	7.5	13.9	16.6	16.0	16.7	18.1	19.9	21.7	22.9	23.9	24.2	23.9	22.9	19.0	11.3	11.7	12.9	15.6	14.1	16.0	16.2	24.2	7.5
19	16.2	16.7	16.8	16.8	17.0	16.9	16.4	16.6	17.9	19.7	21.0	22.6	24.0	24.7	25.1	24.6	23.5	20.8	16.2	12.4	10.9	8.6	8.9	9.3	17.7	25.1	8.6
20	9.1	9.5	10.3	8.9	9.6	10.5	9.9	10.6	15.7	20.8	22.0	23.6	24.3	24.8	24.7	24.5	21.6	16.4	13.0	11.8	11.6	9.5	8.7	8.1	15.0	24.8	8.1
21	7.2	6.8	5.4	5.2	4.9	5.3	5.6	7.2	13.1	18.9	20.9	23.9	25.2	25.6	25.9	25.1	22.7	17.1	13.3	13.9	13.0	12.8	19.4	20.5	15.0	25.9	4.9
22	22.6	23.0	22.7	22.2	21.9	21.3	20.9	21.0	22.0	23.7	25.0	26.2	28.0	28.7	29.0	28.9	27.7	24.1	24.1	20.3	18.9	16.1	16.1	15.1	22.9	29.0	15.1
23	15.3	22.5	21.2	19.8	20.6	20.5	20.2	21.0	23.6	25.4	27.2	29.0	29.0	28.8	28.9	28.9	27.3	19.9	17.2	15.8	14.2	12.6	11.6	11.6	21.3	29.0	11.6
24	10.3	8.9	8.7	9.1	7.6	7.6	7.2	8.1	16.3	23.9	26.4	27.8	28.6	29.2	29.6	29.0	26.8	19.7	15.4	15.2	12.6	11.6	11.0	10.4	16.7	29.6	7.2
25	9.7	9.5	8.5	8.6	8.5	7.3	7.6	8.0	16.4	23.0	26.5	28.0	28.8	29.0	28.9	28.3	26.3	18.6	15.6	14.1	11.9	11.2	11.0	9.8	16.5	29.0	7.3
26	8.6	8.4	6.7	6.6	6.5	5.7	5.7	7.0	16.8	24.5	28.7	30.1	31.4	32.0	31.3	30.4	28.0	19.4	16.6	13.3	11.6	11.0	10.5	10.6	16.7	32.0	5.7
27	9.4	7.9	7.5	6.8	6.4	5.6	6.0	6.5	14.5	23.0	27.3	28.5	29.6	30.1	28.3	26.2	23.0	18.5	15.1	14.1	13.6	10.2	13.5	15.9	16.1	30.1	5.6
28	11.8	8.4	7.3	6.5	4.9	3.8	3.6	4.7	10.8	16.5	20.2	22.0	23.5	23.6	24.4	22.4	19.4	14.6	11.9	9.6	9.1	10.1	8.9	8.3	12.8	24.4	3.6
29	8.6	9.8	9.9	10.5	8.7	12.5	13.0	13.9	18.6	21.1	22.5	24.1	25.5	25.5	25.0	24.8	23.4	21.9	20.6	19.2	18.6	18.4	18.2	18.0	18.0	25.5	8.6
30	17.5	16.9	17.3	16.3	16.0	15.2	15.3	16.6	18.8	21.6	23.7	25.2	25.8	23.7	23.6	23.6	21.9	19.2	17.8	19.0	18.8	17.3	16.9	17.2	19.4	25.8	15.2
Avg	11.6	11.4	11.1	10.7	10.3	10.2	10.2	11.6	17.1	21.9	24.5	25.8	26.8	27.1	27.0	26.4	24.7	19.9	16.7	15.4	14.2	13.2	12.9	12.4	17.2	--	--
Max	22.6	23.0	22.7	22.2	21.9	21.3	20.9	21.0	23.6	25.4	28.7	30.1	31.4	32.0	31.3	30.4	28.0	24.1	24.1	20.3	18.9	18.4	19.4	20.5	--	32.0	--
Min	7.2	6.8	5.4	5.2	4.9	3.8	3.6	4.7	10.8	16.5	19.9	21.7	22.9	23.6	23.6	22.4	19.4	14.6	11.3	9.6	9.1	8.6	8.7	8.1	--	--	3.6

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, Temp_2m_C"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	17.4	17.0	16.3	16.0	16.8	17.3	16.7	17.6	18.3	18.8	20.3	22.0	23.1	23.6	24.3	23.5	21.1	16.7	13.5	14.0	11.9	12.7	10.8	10.3	17.5	24.3	10.3
2	10.0	13.0	14.9	14.1	13.3	13.5	18.2	19.5	18.8	21.8	25.1	26.3	27.1	26.9	27.9	27.7	24.6	18.0	16.5	15.9	15.2	15.2	15.4	15.0	18.9	27.9	10.0
3	13.6	11.5	9.8	9.2	7.9	7.4	7.9	8.1	14.2	19.8	23.2	24.3	25.2	25.6	24.6	24.0	22.7	17.3	14.3	12.7	12.0	10.1	9.2	9.1	15.1	25.6	7.4
4	8.4	8.6	7.1	6.9	6.2	5.6	4.7	4.8	10.3	16.7	19.7	21.1	22.4	21.8	21.3	20.0	18.6	14.8	11.5	10.2	9.6	7.5	8.4	7.1	12.2	22.4	4.7
5	6.3	6.2	5.8	6.8	12.8	13.7	13.5	13.4	13.6	14.0	14.9	15.3	15.2	15.9	16.8	17.5	17.0	16.0	15.7	15.2	15.4	15.4	15.6	14.8	13.6	17.5	5.8
6	13.8	13.9	13.8	13.9	13.5	13.1	12.7	12.8	14.1	15.7	17.4	18.8	20.0	20.9	21.2	21.2	20.4	18.1	16.4	15.9	15.1	15.6	14.7	12.7	16.1	21.2	12.7
7	13.2	12.3	11.2	10.5	9.7	9.2	8.9	8.2	8.8	9.9	11.2	12.7	13.9	14.9	15.7	15.6	14.4	11.4	8.7	4.0	2.5	4.1	2.8	7.6	10.1	15.7	2.5
8	7.6	8.7	7.0	2.3	1.8	2.2	1.8	2.4	7.9	12.1	14.2	15.5	16.3	17.0	17.5	17.0	15.4	9.4	5.8	5.8	3.4	2.9	3.1	2.1	8.3	17.5	1.8
9	1.7	1.0	0.7	1.9	3.3	12.8	12.3	13.0	14.8	16.5	17.9	19.5	20.7	21.8	22.6	22.6	20.2	16.1	10.5	8.7	9.1	7.6	12.9	17.2	12.7	22.6	0.7
10	17.2	17.0	16.1	16.3	16.3	15.8	15.8	15.9	17.0	18.6	20.3	21.0	22.0	22.7	22.7	22.0	20.9	20.0	19.4	18.7	17.1	15.2	13.5	13.3	18.1	22.7	13.3
11	14.4	16.8	16.9	16.9	16.9	16.7	16.4	16.5	17.2	18.7	20.0	21.9	24.2	25.4	24.4	24.1	23.4	16.5	10.4	9.9	10.1	9.7	10.7	12.3	17.1	25.4	9.7
12	14.7	16.2	14.2	11.2	12.7	14.0	14.9	16.1	16.2	16.9	19.5	22.3	22.2	21.7	21.1	21.4	20.5	19.7	18.8	16.7	18.0	15.3	14.2	13.1	17.1	22.3	11.2
13	13.8	15.0	15.6	16.0	15.1	13.6	10.5	11.4	15.1	18.4	20.6	22.1	23.3	24.0	24.2	23.2	21.1	14.1	10.5	8.1	6.6	4.8	4.2	5.0	14.8	24.2	4.2
14	3.8	2.6	2.4	1.7	0.5	1.2	-0.1	1.8	5.4	15.1	18.8	19.9	20.8	21.4	21.6	20.8	19.7	17.9	17.5	17.1	16.4	16.1	11.9	8.2	11.8	21.6	-0.1
15	13.0	14.0	12.8	13.5	13.0	12.8	12.2	12.4	13.4	14.9	16.5	18.0	19.0	19.7	20.2	20.4	19.3	12.3	7.8	7.4	6.5	8.0	6.2	6.9	13.3	20.4	6.2
16	8.3	5.3	6.7	7.3	7.0	7.2	8.2	11.1	12.2	13.9	14.7	15.4	16.4	17.0	18.3	18.2	16.3	11.6	9.3	5.5	4.8	4.3	4.0	3.4	10.3	18.3	3.4
17	4.6	6.7	10.3	9.2	8.5	8.0	8.7	9.8	10.0	10.8	11.5	12.0	12.4	12.9	13.0	14.7	13.9	12.5	11.2	11.3	10.9	11.2	9.9	10.9	10.6	14.7	4.6
18	9.9	6.0	5.7	5.0	4.0	4.2	5.6	7.0	7.9	11.6	14.9	16.2	16.5	17.2	17.1	16.4	15.1	11.7	7.6	6.7	4.7	5.4	4.5	2.7	9.3	17.2	2.7
19	2.7	1.8	1.2	1.1	0.2	-0.5	-0.5	-0.7	3.4	9.7	13.4	15.7	17.1	17.3	17.2	16.8	15.2	11.0	7.4	6.3	4.3	2.8	2.4	2.4	7.0	17.3	-0.7
20	2.0	1.0	0.0	-0.2	-0.6	-1.3	-1.0	-1.2	5.7	12.7	16.6	18.0	18.8	19.7	20.3	19.7	18.1	12.3	8.0	8.8	6.8	5.9	3.8	4.0	8.2	20.3	-1.3
21	3.1	2.4	6.0	11.3	8.9	8.6	8.8	7.5	7.0	8.4	9.7	10.5	10.8	10.9	10.8	10.2	9.0	7.0	6.9	4.3	0.9	-1.3	-2.6	-3.2	6.5	11.3	-3.2
22	-4.5	-4.7	-4.3	-5.1	-5.8	-6.2	-6.2	-5.9	-1.3	5.4	9.0	10.6	11.6	12.5	12.7	12.4	11.2	7.8	3.1	2.3	0.8	0.6	-0.5	-1.6	2.2	12.7	-6.2
23	-2.8	-2.2	-2.0	-2.9	-3.2	-1.4	-1.6	-1.0	2.3	9.7	14.5	16.4	16.7	18.3	18.9	17.3	15.1	10.9	6.1	4.3	4.1	3.5	2.8	1.8	6.1	18.9	-3.2
24	1.4	0.3	0.3	0.1	1.7	1.2	0.5	-0.1	6.2	14.5	19.1	19.4	20.6	20.8	21.3	21.5	19.6	13.8	8.8	6.0	5.3	4.5	4.4	4.2	9.0	21.5	-0.1
25	2.4	1.6	1.7	1.6	0.5	0.6	0.3	0.8	4.3	11.7	18.4	21.2	21.5	20.7	20.0	19.3	18.8	12.5	7.5	6.0	4.3	3.5	2.8	2.2	8.5	21.5	0.3
26	1.5	1.4	0.4	0.8	-0.5	0.4	-1.3	-0.2	5.5	13.2	18.8	20.6	21.0	21.3	21.4	20.4	18.6	13.8	10.6	9.3	8.2	6.8	6.0	5.0	9.3	21.4	-1.3
27	4.4	4.0	4.2	3.3	2.1	2.4	1.8	3.6	9.6	16.3	21.0	22.3	22.0	22.8	22.8	22.3	21.2	13.6	9.3	7.4	5.8	8.2	7.9	8.3	11.1	22.8	1.8
28	5.7	6.7	5.3	6.3	7.1	7.0	2.7	3.7	11.2	17.6	22.8	23.5	24.4	25.4	25.3	24.7	23.3	15.0	11.2	8.4	10.0	8.0	9.1	10.4	13.1	25.4	2.7
29	10.6	10.4	10.2	10.4	10.2	8.4	7.9	10.1	12.3	18.2	23.4	23.6	23.7	24.9	25.8	26.1	24.8	16.4	11.9	9.5	7.6	5.5	4.5	3.6	14.2	26.1	3.6
30	2.5	1.5	0.9	0.4	0.7	0.5	0.5	0.3	6.7	16.2	21.8	24.7	25.7	26.1	25.2	24.7	23.3	15.0	9.6	7.7	6.2	3.8	4.4	2.8	10.5	26.1	0.3
31	2.2	1.4	2.2	0.9	1.0	0.2	-0.1	1.0	4.9	11.8	18.1	21.4	21.6	22.0	22.5	21.8	19.8	13.3	10.0	7.9	6.7	5.4	4.8	3.9	9.4	22.5	-0.1
Avg	7.2	7.0	6.9	6.7	6.5	6.7	6.5	7.1	10.1	14.5	17.6	19.1	19.9	20.4	20.6	20.2	18.8	14.1	10.8	9.4	8.4	7.7	7.2	7.0	11.7	--	--
Max	17.4	17.0	16.9	16.9	16.9	17.3	18.2	19.5	18.8	21.8	25.1	26.3	27.1	26.9	27.9	27.7	24.8	20.0	19.4	18.7	18.0	16.1	15.6	17.2	--	27.9	--
Min	-4.5	-4.7	-4.3	-5.1	-5.8	-6.2	-6.2	-5.9	-1.3	5.4	9.0	10.5	10.8	10.9	10.8	10.2	9.0	7.0	3.1	2.3	0.8	-1.3	-2.6	-3.2	--	--	-6.2

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WD_20m"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	102	97	117	89	96	103	100	86	135	174	200	221	227	230	235	221	219	237	217	212	213	209	199	198	178	237	86
2	159	136	46	111	108	122	112	111	218	220	214	232	239	234	235	261	278	279	268	187	112	111	101	102	174	279	46
3	107	112	111	108	99	102	100	116	113	121	125	140	185	201	192	228	211	226	222	161	94	106	110	93	136	228	93
4	105	96	98	98	100	101	97	99	111	121	138	238	283	265	259	241	258	259	253	131	107	88	107	103	129	283	88
5	105	103	80	206	104	114	109	103	129	298	279	266	257	249	269	267	273	282	279	69	112	99	100	98	146	298	69
6	99	111	108	102	104	97	98	101	106	316	253	274	266	255	257	261	269	268	232	111	114	103	98	90	134	316	90
7	109	128	143	94	92	86	86	73	72	81	75	99	262	261	263	281	270	268	238	113	107	104	98	101	107	281	72
8	96	96	95	98	107	106	108	102	122	97	70	238	231	224	247	255	262	273	277	110	101	108	130	182	134	277	70
9	97	78	101	116	116	104	100	101	115	109	233	213	256	277	259	253	261	319	50	55	59	60	59	58	94	319	50
10	57	58	61	74	76	74	75	70	72	69	62	72	117	118	126	96	84	57	54	60	63	83	84	70	76	126	54
11	81	84	78	76	73	72	87	90	84	94	102	112	104	217	243	255	258	254	177	109	113	111	103	106	107	258	72
12	98	99	113	108	108	99	111	104	119	144	241	220	221	256	245	261	281	288	180	110	108	96	95	100	138	288	95
13	96	98	97	95	104	100	99	94	110	102	269	280	262	250	250	239	272	270	267	111	103	96	96	96	122	280	94
14	96	92	95	109	99	97	102	104	108	150	245	288	253	271	267	258	267	267	158	107	109	106	103	100	129	288	92
15	109	138	130	135	176	115	101	79	63	66	62	59	48	125	167	206	260	265	133	116	118	117	70	69	111	265	48
16	87	88	91	83	74	77	78	73	68	57	54	53	50	40	41	37	43	54	76	101	106	118	113	93	73	118	37
17	97	111	114	121	119	115	115	115	82	70	87	119	145	96	205	256	265	239	214	97	113	106	105	100	120	265	70
18	100	96	88	99	92	93	96	94	101	255	289	261	287	264	261	275	268	266	267	53	111	99	126	99	114	289	53
19	113	109	113	103	96	115	104	102	123	88	114	113	238	226	224	240	229	243	128	113	96	96	108	103	126	243	88
20	104	101	107	108	102	94	93	99	38	219	169	220	244	256	222	230	235	267	275	260	239	259	265	291	208	291	38
21	237	322	98	118	102	106	106	102	51	301	286	276	261	263	260	271	268	263	282	127	118	118	108	107	185	322	51
22	114	113	124	140	137	134	106	140	69	76	62	71	134	172	271	275	263	259	50	103	103	99	99	111	114	275	50
23	108	90	88	120	125	86	77	86	67	57	48	15	258	270	265	260	260	254	108	112	96	106	90	156	98	270	15
24	269	345	232	59	73	72	78	75	69	66	59	55	58	64	67	70	75	57	58	70	55	55	58	65	61	345	55
25	67	68	72	69	66	75	83	71	60	63	82	95	91	105	130	131	123	67	100	117	109	115	109	112	91	131	60
26	99	94	91	89	105	103	109	105	108	283	283	224	254	265	269	271	266	255	168	105	110	102	103	99	132	283	89
27	99	99	99	98	110	116	115	104	66	65	62	75	254	277	282	271	276	258	272	114	111	102	97	96	100	282	62
28	105	100	105	101	95	89	92	103	76	84	74	81	84	80	202	249	261	233	130	106	106	100	104	113	104	261	74
29	125	119	106	118	109	111	114	123	77	72	68	96	127	116	86	225	234	236	171	110	105	99	103	97	115	236	68
30	99	102	103	102	109	101	104	106	119	242	190	160	168	197	229	316	326	14	121	110	350	101	118	82	116	350	14
31	126	155	119	100	102	115	116	115	115	110	140	194	234	258	234	246	257	225	101	109	113	103	99	99	137	258	99
Avg	104	99	101	103	102	100	99	98	94	93	108	166	226	233	239	253	261	266	189	110	105	103	103	101	114	--	--
Max	269	345	232	206	176	134	116	140	218	316	289	288	287	277	282	316	326	319	282	260	350	259	265	291	--	350	--
Min	57	58	46	59	66	72	75	70	38	57	48	15	48	40	41	37	43	14	50	53	55	55	58	58	--	--	14

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WD_20m"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	97	97	97	103	104	104	100	102	119	274	182	219	227	246	228	247	229	241	115	117	100	94	114	110	139	274	94
2	113	108	104	93	108	101	91	89	171	270	218	194	233	235	230	236	258	243	129	116	110	97	94	100	144	270	89
3	104	109	111	101	113	107	100	106	111	120	188	199	240	245	256	245	282	239	119	125	108	100	106	103	135	282	100
4	90	88	86	112	115	115	104	137	336	324	271	231	218	215	232	229	225	215	114	103	100	106	112	110	139	336	86
5	115	95	106	113	153	107	106	112	120	14	242	225	235	249	251	240	260	233	205	120	109	104	103	102	147	260	14
6	99	102	104	97	98	98	89	92	102	113	308	223	249	271	248	250	277	252	114	108	93	112	92	126	120	308	89
7	123	109	105	106	104	97	102	91	99	126	195	279	283	234	258	285	275	255	116	112	121	107	110	142	131	285	91
8	96	307	72	118	127	103	114	102	123	13	175	275	279	244	240	273	262	259	312	112	108	90	105	94	125	312	13
9	105	113	117	103	99	106	100	101	116	122	109	144	252	256	294	272	261	252	291	115	109	110	100	96	123	294	96
10	100	97	93	89	94	80	77	92	116	133	131	271	272	267	251	248	237	266	113	115	99	103	100	99	117	272	77
11	93	108	99	100	91	93	96	92	109	111	302	272	278	272	293	285	275	270	124	108	104	100	95	97	101	302	91
12	94	93	97	91	85	81	92	108	110	130	127	143	260	266	278	240	276	226	114	110	99	101	97	93	115	278	81
13	103	112	94	101	91	99	117	103	91	120	117	211	264	257	278	263	278	258	125	114	106	101	101	96	120	278	91
14	93	91	97	96	109	100	106	94	105	176	300	273	276	273	273	274	276	252	113	104	105	97	101	100	114	300	91
15	97	93	94	96	95	97	91	72	99	112	136	275	275	264	263	259	267	215	108	105	101	101	99	98	112	275	72
16	95	108	106	86	103	80	99	92	112	136	277	271	273	264	245	281	279	255	113	102	102	101	96	100	115	281	80
17	95	100	100	101	97	107	106	98	92	255	289	264	271	277	270	279	305	288	139	106	121	89	99	104	112	305	89
18	106	121	95	100	97	98	65	56	63	64	61	64	67	87	76	66	65	61	132	143	92	102	120	98	87	143	56
19	101	83	78	91	80	80	79	74	73	72	60	58	57	54	49	49	52	61	106	123	109	106	113	120	80	123	49
20	114	118	120	116	117	116	116	118	123	106	70	83	161	265	265	264	266	270	109	109	106	93	102	99	119	270	70
21	95	99	96	99	95	96	92	90	265	304	288	288	273	253	251	247	256	203	116	104	109	98	68	60	114	304	60
22	53	57	68	73	69	65	71	70	67	65	65	62	63	69	133	136	126	66	69	105	116	113	105	106	82	136	53
23	82	53	110	119	121	128	171	149	77	70	54	75	260	262	276	262	252	178	114	109	104	97	94	94	113	276	53
24	92	94	92	100	93	103	96	95	96	120	281	287	264	251	257	244	264	354	136	107	98	100	100	95	107	354	92
25	94	96	100	95	95	95	101	90	97	85	252	269	266	261	276	277	267	182	115	105	100	100	97	98	112	277	85
26	86	92	106	108	111	102	98	90	116	123	136	82	146	239	273	278	258	139	109	88	86	96	97	98	111	278	82
27	92	86	86	68	85	90	104	98	112	116	125	139	164	222	251	268	242	190	110	114	117	106	265	259	127	268	68
28	200	114	106	115	107	100	95	94	97	279	142	142	200	272	270	270	258	132	110	115	105	101	95	115	128	279	94
29	101	103	100	103	115	119	111	123	95	79	73	65	76	57	53	53	58	76	112	126	122	122	124	124	96	126	53
30	113	117	118	124	120	303	106	120	127	106	96	98	113	285	265	257	258	219	120	107	116	122	116	112	125	303	96
Avg	100	98	99	101	103	98	99	98	104	103	155	220	247	258	261	262	265	232	117	112	106	102	103	104	114	--	--
Max	200	307	120	124	153	303	171	149	336	324	308	288	283	285	294	285	305	354	312	143	122	122	265	259	--	354	--
Min	53	53	68	68	69	65	65	56	63	13	54	58	57	54	49	49	52	61	69	88	86	89	68	60	--	--	13

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WD_20m"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	112	116	119	127	114	118	119	78	80	133	102	111	88	139	141	176	170	123	103	111	105	106	94	96	115	176	78
2	111	94	129	111	93	85	113	160	318	232	171	126	109	336	109	122	146	106	119	101	112	111	107	93	115	336	85
3	109	107	112	103	112	104	98	99	97	125	111	277	260	238	233	232	231	230	116	110	100	103	101	108	128	277	97
4	101	97	108	100	101	100	100	116	115	43	297	272	237	260	258	250	254	269	134	114	114	108	105	102	124	297	43
5	94	86	9	124	95	78	79	80	67	72	77	62	70	87	74	69	77	70	67	88	83	69	76	68	76	124	9
6	71	69	77	77	76	74	67	45	50	60	65	56	57	56	62	50	31	39	43	48	118	66	62	113	63	118	31
7	71	8	14	181	218	28	46	56	52	61	17	43	43	52	48	36	43	26	294	138	114	82	75	53	51	294	8
8	51	74	59	9	133	114	114	134	136	129	305	239	262	239	248	272	273	236	117	107	108	108	91	108	126	305	9
9	99	104	104	103	103	59	68	75	74	74	62	58	48	51	45	69	54	58	161	222	172	173	95	60	84	222	45
10	60	94	92	69	71	82	81	70	72	69	68	61	76	103	86	70	71	70	61	46	63	337	67	101	71	337	46
11	91	83	72	78	78	73	77	86	74	67	63	58	70	114	48	36	42	69	108	111	116	118	118	127	82	127	36
12	132	89	104	123	97	94	84	81	83	81	166	97	80	58	56	54	62	58	43	80	49	27	67	70	79	166	27
13	103	84	78	82	86	100	98	104	105	119	126	92	63	97	205	272	272	250	113	96	101	96	101	98	103	272	63
14	103	97	102	93	100	94	106	98	100	116	67	44	33	54	45	51	60	31	40	70	94	64	317	114	75	317	31
15	41	83	81	49	52	71	63	64	61	66	63	88	31	37	39	149	132	106	120	110	115	120	116	114	82	149	31
16	101	126	112	107	116	119	106	91	104	111	106	101	102	102	126	137	118	120	117	117	118	110	116	91	111	137	91
17	98	132	101	176	80	81	93	63	54	65	57	64	64	97	91	102	115	59	56	62	78	74	118	78	84	176	54
18	81	100	118	114	100	117	121	138	116	129	138	222	262	255	281	277	271	257	184	114	112	100	97	110	137	281	81
19	97	101	94	97	98	91	100	98	98	115	240	280	265	270	276	260	258	261	124	108	100	99	100	99	117	280	91
20	100	97	101	107	96	90	90	92	94	122	131	146	120	132	224	225	236	303	110	108	134	96	120	104	117	303	90
21	99	91	211	237	235	229	238	245	245	262	260	269	283	272	263	271	263	250	229	164	110	123	112	99	230	283	91
22	93	105	112	94	96	88	110	106	111	205	288	276	277	247	254	266	262	223	113	109	116	111	104	82	130	288	82
23	145	107	94	100	113	91	66	68	87	108	106	97	303	69	295	281	288	322	95	109	97	106	103	98	91	322	66
24	95	94	102	105	99	87	82	82	88	118	139	290	287	274	284	262	277	291	115	114	104	99	101	96	101	291	82
25	96	110	110	98	98	98	106	106	109	116	97	183	276	273	283	302	257	165	115	108	100	101	99	92	114	302	92
26	102	100	100	98	107	106	107	109	90	137	172	284	278	273	262	280	286	24	113	109	102	116	100	97	110	286	24
27	96	104	91	92	114	97	97	84	119	123	338	313	287	281	291	282	236	127	105	98	94	106	107	103	99	338	84
28	92	108	104	106	102	93	91	106	119	124	103	309	286	274	267	259	250	137	115	103	109	101	109	118	114	309	91
29	117	113	113	119	121	105	108	120	121	119	137	288	284	275	275	262	258	236	112	102	95	92	96	92	124	288	92
30	104	116	112	105	88	77	83	83	84	94	169	269	288	270	272	285	279	205	116	109	97	102	96	94	109	288	77
31	106	101	102	97	105	102	94	100	98	101	74	309	294	293	285	271	280	160	114	101	107	93	96	97	99	309	74
Avg	96	97	98	103	101	92	94	94	91	105	101	19	338	309	286	273	262	123	108	104	104	98	97	96	98	--	--
Max	145	132	211	237	235	229	238	245	318	262	338	313	303	336	295	302	288	322	294	222	172	337	317	127	--	338	--
Min	41	8	9	9	52	28	46	45	50	43	17	43	31	37	39	36	31	24	40	46	49	27	62	53	--	--	8

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WS_ms_20m"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.8	1.2	2.0	1.3	1.5	1.8	1.6	1.7	0.4	1.6	2.6	3.1	3.6	4.2	4.1	3.6	3.7	3.6	2.4	2.7	2.5	2.8	3.4	3.0	2.5	4.2	0.4
2	2.1	1.2	0.8	1.7	1.4	1.0	1.7	1.5	1.9	4.3	3.7	4.1	4.1	4.7	5.2	5.4	3.9	4.0	1.9	1.3	2.1	1.9	1.5	1.4	2.6	5.4	0.8
3	1.5	1.9	2.0	2.0	1.5	1.5	1.5	1.4	1.3	3.2	3.7	3.6	4.4	4.2	4.4	4.2	4.3	3.8	2.2	0.7	1.9	2.3	1.7	1.1	2.5	4.4	0.7
4	1.8	1.5	1.2	1.5	1.4	1.7	1.2	1.4	1.3	1.4	1.9	2.6	2.6	3.1	3.8	4.1	3.2	2.8	1.7	1.3	1.6	0.9	1.3	0.9	1.9	4.1	0.9
5	1.0	1.1	0.9	0.5	0.9	1.6	1.2	0.8	0.7	0.9	2.4	3.0	3.4	3.5	4.3	4.2	3.4	3.5	1.6	0.7	2.0	1.5	1.4	1.6	1.9	4.3	0.5
6	1.6	1.6	1.6	1.4	1.7	1.6	1.5	1.4	0.9	1.1	2.7	4.2	3.9	4.0	4.2	4.6	4.8	3.6	1.6	1.5	1.9	1.7	1.6	1.5	2.3	4.8	0.9
7	1.7	2.1	2.4	3.0	3.7	3.4	2.8	3.8	6.8	4.6	4.6	2.2	2.4	3.4	2.8	3.0	3.8	3.6	1.4	2.4	2.0	1.9	1.8	1.6	3.0	6.8	1.4
8	1.8	1.7	1.5	1.7	1.9	2.0	2.2	1.5	0.9	1.5	1.3	2.8	2.9	3.4	3.8	3.4	2.9	2.2	1.0	2.2	2.1	1.9	0.7	2.2	2.1	3.8	0.7
9	1.2	1.2	1.4	2.0	1.4	1.5	1.6	1.2	0.5	1.1	3.0	2.5	2.3	2.4	2.8	2.6	2.7	1.6	3.3	6.6	8.4	9.1	9.8	10.4	3.4	10.4	0.5
10	10.6	10.0	7.4	4.8	4.1	4.8	6.1	6.0	5.8	6.4	7.1	5.6	5.3	4.8	3.8	3.0	3.1	3.7	3.8	2.8	3.1	2.0	3.2	4.0	5.1	10.6	2.0
11	4.3	4.1	4.5	5.3	4.3	3.8	3.6	3.1	4.0	4.7	4.4	4.8	2.5	3.4	4.0	4.9	4.1	2.9	0.7	1.7	2.0	1.5	1.4	1.7	3.4	5.3	0.7
12	1.4	1.3	1.6	1.6	1.7	1.5	1.5	1.6	0.9	1.5	2.6	3.3	3.9	3.9	3.3	2.8	3.4	2.3	0.8	2.0	1.9	1.6	1.6	1.9	2.1	3.9	0.8
13	1.7	1.7	1.7	1.4	1.7	1.7	1.7	1.3	1.0	0.4	1.4	2.6	3.3	3.5	3.6	3.9	2.9	2.6	0.8	1.9	1.9	1.5	1.7	1.6	2.0	3.9	0.4
14	1.5	1.5	1.4	1.8	1.7	1.6	1.8	1.7	1.3	0.8	1.4	2.6	3.3	3.2	3.4	3.7	3.9	3.2	1.0	1.9	1.9	1.8	2.0	2.1	2.1	3.9	0.8
15	2.4	1.7	2.1	2.3	2.6	2.4	2.6	4.8	6.4	5.7	5.5	5.1	4.0	2.5	2.2	1.3	2.4	2.4	1.0	2.4	3.2	2.3	4.7	5.5	3.2	6.4	1.0
16	3.5	3.4	4.2	4.9	5.5	4.7	3.8	5.5	4.1	4.6	6.2	6.6	6.3	6.2	5.3	4.5	3.9	3.6	2.1	1.9	2.2	2.7	2.1	2.1	4.2	6.6	1.9
17	2.9	3.0	2.7	2.7	3.1	3.4	3.5	3.3	3.9	4.9	3.4	3.5	2.9	1.7	2.4	2.8	2.8	3.0	2.1	0.8	1.9	1.4	1.5	1.4	2.7	4.9	0.8
18	1.5	1.5	1.1	1.8	1.4	1.2	1.7	1.2	0.7	0.5	2.6	3.5	3.3	3.5	3.1	3.2	4.0	2.8	1.5	0.7	1.8	1.4	2.4	1.3	2.0	4.0	0.5
19	0.9	1.6	1.4	1.7	1.2	1.5	1.9	1.3	1.1	1.0	2.1	2.1	3.2	2.8	2.4	3.8	2.9	1.9	1.2	2.4	1.5	1.7	1.7	1.5	1.9	3.8	0.9
20	1.5	1.4	1.5	1.8	1.8	1.4	1.3	1.2	0.5	1.5	2.5	4.1	4.8	4.2	4.7	4.6	4.6	4.9	5.1	2.9	2.9	2.9	1.3	0.8	2.7	5.1	0.5
21	2.2	1.1	1.2	1.6	1.4	1.6	1.5	1.4	0.6	1.9	2.5	2.6	3.2	2.8	3.3	3.7	3.8	2.7	1.6	1.4	2.0	1.7	1.8	3.1	2.1	3.8	0.6
22	3.4	3.2	2.5	2.3	1.8	1.4	3.0	2.4	5.2	6.0	5.1	3.5	2.0	1.8	3.3	3.3	3.5	3.2	1.0	1.8	1.6	1.9	2.1	4.4	2.9	6.0	1.0
23	4.8	6.3	4.9	3.7	6.0	5.2	4.6	3.1	5.2	6.4	5.0	3.6	4.2	3.9	3.7	3.5	3.3	2.0	1.7	2.4	1.9	2.1	2.4	1.8	3.8	6.4	1.7
24	2.4	2.9	2.7	6.8	4.8	3.8	5.0	7.0	7.8	8.0	8.2	8.7	7.7	6.8	6.6	5.9	4.5	3.4	3.3	2.7	4.1	4.7	6.0	7.3	5.5	8.7	2.4
25	7.8	7.7	7.9	7.8	7.5	7.3	4.8	4.7	5.9	6.3	5.9	5.2	4.1	3.7	3.9	2.7	1.0	2.5	2.1	2.4	2.3	2.7	2.5	2.8	4.6	7.9	1.0
26	1.6	1.8	1.4	1.3	1.5	1.5	1.7	1.2	0.8	0.6	2.5	2.9	3.8	4.0	5.1	4.5	4.0	3.1	1.0	2.0	1.8	1.6	1.7	2.0	2.2	5.1	0.6
27	1.8	1.4	1.7	1.9	2.9	4.5	5.7	4.5	3.9	4.9	5.4	3.3	3.4	2.8	3.0	3.1	3.5	3.4	1.2	2.4	2.0	1.8	1.7	1.7	3.0	5.7	1.2
28	2.1	2.0	3.8	2.8	2.1	3.6	3.4	3.2	5.0	5.9	5.4	4.9	4.9	3.6	2.7	2.8	2.7	2.2	1.2	1.8	1.8	1.7	2.3	3.1	3.1	5.9	1.2
29	3.0	2.5	3.7	3.4	2.8	2.9	3.3	3.5	4.1	4.5	3.8	3.2	2.3	1.7	2.0	2.8	2.9	2.7	1.1	2.3	2.0	1.6	1.7	1.5	2.7	4.5	1.1
30	1.5	1.5	1.6	1.8	1.7	1.7	1.6	1.4	0.7	0.6	2.7	2.7	1.9	1.9	2.7	1.6	0.6	0.8	1.4	1.8	0.6	1.5	2.0	0.6	1.5	2.7	0.6
31	1.6	2.9	1.2	1.2	1.2	1.7	1.4	1.4	0.6	2.4	2.0	2.4	3.1	2.9	2.3	2.6	2.6	1.3	1.3	1.7	1.7	1.7	1.4	1.5	1.8	3.1	0.6
Avg	2.5	2.5	2.5	2.6	2.5	2.6	2.6	2.6	2.7	3.2	3.7	3.7	3.6	3.5	3.6	3.6	3.3	2.9	1.8	2.0	2.3	2.2	2.3	2.5	2.8	--	--
Max	10.6	10.0	7.9	7.8	7.5	7.3	6.1	7.0	7.8	8.0	8.2	8.7	7.7	6.8	6.6	5.9	4.8	4.9	5.1	6.6	8.4	9.1	9.8	10.4	--	10.6	--
Min	0.9	1.1	0.8	0.5	0.9	1.0	1.2	0.8	0.4	0.4	1.3	2.1	1.9	1.7	2.0	1.3	0.6	0.8	0.7	0.7	0.6	0.9	0.7	0.6	--	--	0.4

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WS_ms_20m"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.5	1.4	1.5	1.7	1.6	1.4	1.3	1.0	0.5	0.3	2.7	3.9	3.6	3.1	3.5	2.9	2.7	1.5	1.4	2.4	1.8	1.2	1.5	1.7	1.9	3.9	0.3
2	1.7	1.5	1.4	1.1	1.4	1.5	1.4	1.0	0.7	1.8	3.4	4.3	3.5	3.2	3.1	2.7	2.4	1.7	1.0	1.9	1.5	1.6	1.2	1.3	1.9	4.3	0.7
3	1.5	1.7	1.8	1.6	1.6	1.9	1.5	1.6	1.0	0.8	1.8	2.9	3.4	2.8	3.4	2.6	1.6	0.8	1.7	1.5	1.5	1.4	1.9	1.4	1.8	3.4	0.8
4	1.1	0.8	1.1	1.3	0.5	1.5	1.7	0.2	1.4	1.6	1.9	2.7	3.5	3.8	3.3	3.4	3.5	1.3	1.4	0.6	1.3	1.3	1.9	1.6	1.8	3.8	0.2
5	1.6	1.3	0.9	1.3	0.4	1.0	1.2	1.0	0.7	0.9	2.9	3.0	3.4	2.8	3.3	3.2	2.7	2.1	1.8	1.2	1.7	1.8	1.4	1.7	1.8	3.4	0.4
6	1.4	1.5	1.7	1.4	1.5	1.5	1.3	1.2	1.4	0.7	0.8	1.6	2.2	2.7	2.4	2.7	2.6	1.5	0.9	1.5	1.0	1.5	1.3	1.0	1.5	2.7	0.7
7	1.0	1.3	1.4	2.0	1.9	1.5	1.6	1.1	1.3	0.5	0.4	1.1	2.7	2.8	2.6	2.7	2.3	0.9	0.8	1.0	1.2	1.4	1.5	0.9	1.5	2.8	0.4
8	1.0	1.1	1.4	1.6	0.8	1.2	1.4	1.1	1.2	0.7	1.7	4.1	2.8	2.2	2.4	2.4	2.6	2.2	1.0	2.2	1.5	1.0	1.9	1.0	1.7	4.1	0.7
9	2.0	1.6	2.1	1.3	1.9	1.0	1.7	2.0	1.8	3.3	2.6	2.3	2.1	2.5	2.4	3.0	2.9	1.8	1.1	2.1	2.1	1.7	1.6	1.5	2.0	3.3	1.0
10	1.6	1.7	1.4	1.4	1.6	1.1	1.0	1.3	1.9	1.7	1.5	3.3	3.2	3.0	3.4	3.0	2.3	1.5	0.9	2.3	1.6	1.8	1.4	1.6	1.9	3.4	0.9
11	1.4	1.8	1.7	1.7	1.5	1.5	1.6	1.3	2.0	0.9	0.9	2.1	2.0	2.6	2.6	2.8	2.5	1.5	1.7	2.1	1.8	1.9	1.6	1.7	1.8	2.8	0.9
12	1.6	1.8	1.9	1.5	1.1	1.1	1.7	3.2	2.7	3.2	2.3	2.3	4.1	3.4	3.7	2.4	2.0	0.8	2.3	2.2	1.7	1.5	1.6	1.1	2.1	4.1	0.8
13	1.6	2.0	1.5	1.6	1.2	1.4	1.6	1.7	1.0	1.0	1.1	2.2	3.4	3.3	3.3	2.6	2.7	1.7	1.4	2.0	1.7	1.7	1.8	1.9	1.9	3.4	1.0
14	1.5	1.5	1.6	1.6	2.0	1.7	2.1	1.5	1.4	0.4	2.3	3.1	3.1	3.2	3.0	3.2	2.8	0.9	1.9	1.8	1.6	1.6	1.7	1.8	2.0	3.2	0.4
15	1.6	1.4	1.4	1.9	1.7	1.7	1.4	1.0	1.2	0.8	1.0	2.1	2.2	2.5	3.4	2.4	1.8	0.6	1.7	1.9	1.6	1.8	1.8	1.7	1.7	3.4	0.6
16	1.6	1.6	2.0	1.5	2.0	1.0	1.4	1.4	0.8	0.4	1.3	2.5	2.4	3.2	3.0	2.8	2.9	1.2	2.2	2.0	1.7	1.8	1.4	1.7	1.8	3.2	0.4
17	1.5	1.5	1.8	1.8	1.7	1.8	1.6	1.4	1.2	0.3	1.6	3.4	3.5	3.7	4.1	2.3	1.6	0.8	0.8	1.3	1.2	0.9	1.1	1.4	1.8	4.1	0.3
18	1.9	1.9	1.4	1.4	1.6	2.7	7.2	8.5	7.9	7.6	6.7	5.5	4.4	3.9	4.6	4.1	3.5	2.6	0.8	1.0	1.9	3.4	3.6	4.3	3.9	8.5	0.8
19	3.0	3.7	3.9	4.4	5.0	5.0	5.6	6.7	5.3	5.8	6.8	6.3	6.0	6.0	5.0	4.8	3.7	3.2	1.8	2.3	2.2	1.5	3.0	3.3	4.3	6.8	1.5
20	2.8	3.3	3.6	3.1	3.4	3.5	3.6	3.6	3.1	2.7	2.2	1.9	1.7	3.1	2.5	2.5	2.1	1.3	1.6	1.9	1.7	1.3	1.7	1.9	2.5	3.6	1.3
21	1.5	1.7	1.3	1.7	1.5	1.8	1.5	1.5	0.6	2.3	3.5	2.7	4.4	4.3	3.6	3.3	2.1	0.6	1.2	2.0	1.3	1.9	2.8	2.4	2.2	4.4	0.6
22	3.5	4.5	4.3	5.6	7.4	8.1	7.3	6.1	6.6	7.3	6.6	6.5	4.2	3.6	2.5	1.3	1.5	3.2	3.6	2.6	2.9	2.4	2.4	2.1	4.4	8.1	1.3
23	2.1	3.8	2.5	2.5	3.0	2.8	1.9	3.0	3.4	4.3	4.7	3.6	3.6	3.7	3.6	2.5	2.2	0.8	2.6	2.3	2.1	1.9	1.8	1.4	2.8	4.7	0.8
24	1.6	1.8	1.5	2.0	1.4	1.8	1.6	1.4	0.8	0.8	1.3	3.0	3.0	3.0	3.1	3.5	2.8	0.8	1.4	2.1	1.6	1.7	1.7	1.5	1.9	3.5	0.8
25	1.7	1.7	2.0	1.7	1.9	1.6	1.9	1.3	1.3	0.8	1.3	2.9	3.5	3.3	3.5	2.6	2.2	1.0	2.3	1.9	1.7	1.8	1.8	1.9	2.0	3.5	0.8
26	1.6	1.4	1.4	1.8	2.0	1.8	1.8	1.6	2.9	3.0	2.8	2.5	1.3	2.9	3.4	3.0	1.6	1.6	2.0	1.4	1.3	1.7	1.9	1.8	2.0	3.4	1.3
27	1.6	1.5	1.0	0.8	1.2	1.0	1.7	1.4	1.2	2.2	3.3	4.4	2.7	4.1	4.4	3.4	2.0	0.8	1.2	1.1	1.9	1.3	3.3	3.0	2.1	4.4	0.8
28	0.8	1.7	1.5	1.9	1.9	1.7	1.5	1.5	1.0	0.4	2.4	1.9	2.1	2.2	2.4	3.2	1.8	1.4	1.7	1.2	1.9	2.0	1.0	1.5	1.7	3.2	0.4
29	1.6	1.8	1.5	2.2	2.8	3.0	2.5	2.9	3.3	3.9	4.6	4.1	3.7	4.5	4.2	3.8	3.2	2.9	3.0	2.9	2.9	3.0	3.2	3.2	3.1	4.6	1.5
30	2.2	2.2	2.6	1.8	1.9	1.3	1.7	3.3	3.9	3.4	3.3	3.9	3.6	2.1	1.8	1.5	3.5	1.1	1.4	3.0	2.7	2.0	2.0	2.5	2.5	3.9	1.1
Avg	1.7	1.9	1.8	1.9	2.0	2.0	2.2	2.2	2.1	2.1	2.7	3.2	3.2	3.3	3.3	2.9	2.5	1.5	1.6	1.9	1.8	1.7	1.9	1.9	2.2	--	--
Max	3.5	4.5	4.3	5.6	7.4	8.1	7.3	8.5	7.9	7.6	6.8	6.5	6.0	6.0	5.0	4.8	3.7	3.2	3.6	3.0	2.9	3.4	3.6	4.3	--	8.5	--
Min	0.8	0.8	0.9	0.8	0.4	1.0	1.0	0.2	0.5	0.3	0.4	1.1	1.3	2.1	1.8	1.3	1.5	0.6	0.8	0.6	1.0	0.9	1.0	0.9	--	--	0.2

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WS_ms_20m"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	2.3	2.4	2.1	1.3	2.3	2.0	1.7	1.7	1.4	1.9	1.9	2.2	2.3	1.6	2.1	0.4	0.6	1.6	1.4	2.1	1.5	2.2	1.6	1.5	1.8	2.4	0.4
2	0.9	1.7	1.3	1.1	1.1	1.3	2.6	2.3	1.7	0.8	0.9	1.4	2.0	0.9	2.0	2.1	1.8	0.6	1.5	0.9	1.5	1.3	1.6	1.2	1.5	2.6	0.6
3	1.3	2.0	1.7	1.6	1.6	1.7	1.9	1.6	1.1	0.5	0.6	2.0	3.3	3.6	3.5	2.4	2.1	1.1	2.2	1.8	1.3	1.4	1.6	1.7	1.8	3.6	0.5
4	1.7	1.9	1.6	1.3	1.6	1.5	1.5	1.2	1.4	0.6	0.8	1.4	3.7	3.9	3.4	3.4	2.5	1.0	0.9	1.9	2.0	1.4	2.0	1.3	1.8	3.9	0.6
5	1.3	1.2	0.6	0.9	3.7	4.9	5.1	3.8	4.9	5.0	5.8	5.1	5.9	3.8	3.0	3.4	3.0	3.6	3.8	2.9	3.6	5.0	4.5	2.9	3.7	5.9	0.6
6	1.7	4.8	4.7	6.3	3.8	3.4	2.7	3.8	6.7	6.3	5.4	5.1	5.8	5.5	4.5	3.1	3.3	2.9	3.1	2.8	3.4	6.4	6.3	2.1	4.3	6.7	1.7
7	3.0	4.3	4.4	3.8	3.3	3.8	5.9	4.0	5.8	4.3	3.1	4.3	5.0	4.9	5.1	4.9	3.9	1.7	1.5	0.9	1.6	1.5	0.9	2.8	3.5	5.9	0.9
8	3.0	3.6	3.3	1.1	1.5	2.7	3.8	2.6	1.2	0.5	1.2	3.4	2.5	2.1	2.6	2.6	2.5	0.9	2.1	2.0	2.0	2.2	1.7	2.0	2.2	3.8	0.5
9	1.7	1.7	1.9	2.8	2.4	3.8	3.0	4.6	4.9	5.5	6.7	7.0	6.4	6.0	5.1	4.5	3.9	2.4	0.8	1.0	0.5	1.0	3.6	7.1	3.7	7.1	0.5
10	6.9	3.8	3.5	8.2	8.1	5.0	5.6	6.9	7.4	6.4	6.4	7.8	6.0	5.6	5.7	4.8	5.3	5.0	6.1	3.9	1.7	2.4	2.2	2.0	5.3	8.2	1.7
11	3.8	4.8	4.3	5.5	5.5	4.6	4.3	3.7	5.5	6.3	6.2	6.0	3.9	4.3	4.1	3.9	3.3	1.3	1.0	2.5	3.9	4.2	4.2	2.8	4.2	6.3	1.0
12	3.2	5.3	4.9	3.8	3.1	3.2	3.7	5.1	4.8	3.0	1.8	5.2	3.9	5.6	5.0	5.3	5.7	6.3	2.8	1.9	4.4	2.0	3.1	3.0	4.0	6.3	1.8
13	2.6	4.6	4.8	5.2	3.3	2.7	2.9	3.2	2.9	2.8	3.1	2.7	2.3	1.8	2.1	3.6	2.9	1.0	2.3	1.6	1.7	1.5	1.8	1.9	2.7	5.2	1.0
14	1.9	1.6	1.6	1.6	1.7	1.7	1.8	1.7	1.5	2.4	4.4	4.3	3.4	4.8	4.9	5.2	4.8	4.3	5.7	4.7	3.1	4.3	1.8	0.8	3.1	5.7	0.8
15	5.0	3.0	1.8	5.1	5.2	5.4	4.2	5.9	5.8	5.5	4.5	2.8	2.7	2.6	1.7	1.7	1.6	1.2	1.3	2.2	2.5	3.3	2.8	3.3	3.4	5.9	1.2
16	2.7	2.0	3.2	2.9	3.4	3.4	3.3	4.2	4.7	5.1	4.9	3.7	3.1	2.8	2.9	2.4	1.7	1.3	1.7	2.0	1.9	1.7	1.5	1.0	2.8	5.1	1.0
17	0.7	1.5	2.2	3.1	2.9	0.7	2.0	3.9	4.3	4.4	5.4	5.4	5.1	4.1	3.5	4.3	3.6	3.0	2.9	4.1	2.7	3.8	3.4	2.7	3.3	5.4	0.7
18	2.5	2.0	2.7	2.5	1.8	2.3	2.6	2.4	3.9	2.4	2.3	2.3	3.3	3.0	3.6	3.3	2.9	1.8	1.1	1.7	2.0	1.9	1.9	1.3	2.4	3.9	1.1
19	1.8	1.8	1.5	1.6	1.7	1.4	1.5	1.2	1.2	0.7	0.5	2.1	3.3	3.6	3.1	3.1	2.7	2.1	1.3	2.1	1.5	1.5	1.4	1.7	1.8	3.6	0.5
20	1.9	1.4	1.5	1.8	1.7	1.2	1.4	1.4	1.7	2.1	2.9	2.9	2.5	1.7	3.3	3.1	2.5	0.8	1.9	1.6	1.2	1.7	1.1	1.8	1.9	3.3	0.8
21	0.8	0.8	2.4	4.5	3.0	2.7	3.0	3.4	3.8	4.5	4.5	5.5	5.8	5.5	5.5	4.9	3.7	2.8	3.1	1.4	1.6	1.6	1.5	1.4	3.2	5.8	0.8
22	1.2	1.3	1.6	1.4	1.6	1.3	1.1	1.0	1.3	0.6	2.7	2.6	3.0	3.2	3.0	2.4	2.3	1.8	1.1	2.1	2.1	2.2	1.8	1.1	1.8	3.2	0.6
23	0.6	2.0	2.0	1.0	1.6	1.4	1.2	1.0	0.9	2.1	2.7	2.4	2.3	1.3	2.7	2.7	2.8	0.8	0.7	1.9	1.7	1.6	2.0	1.7	1.7	2.8	0.6
24	1.7	1.5	1.7	1.7	1.9	1.3	1.3	1.2	1.0	2.2	1.5	3.6	3.9	4.1	2.7	2.9	2.4	0.9	1.5	1.8	2.1	1.8	2.0	1.7	2.0	4.1	0.9
25	1.6	1.8	1.9	2.1	1.8	1.5	1.8	2.0	1.7	1.1	0.6	0.9	3.3	3.1	2.3	1.6	1.1	0.8	1.7	2.0	1.8	1.8	1.9	1.8	1.7	3.3	0.6
26	1.7	1.9	1.9	1.8	1.9	2.4	1.7	2.3	1.1	0.3	0.4	2.6	3.6	3.4	3.0	2.3	1.7	0.7	1.4	2.1	1.3	1.6	1.7	1.8	1.9	3.6	0.3
27	1.4	1.6	1.4	1.5	1.2	1.5	1.8	2.4	4.6	1.8	2.8	3.2	3.8	3.6	3.6	2.7	1.4	0.9	1.6	1.8	1.6	2.6	2.6	2.4	2.2	4.6	0.9
28	1.7	2.9	2.5	3.1	2.6	2.4	1.5	2.9	4.6	3.7	2.9	2.7	3.3	3.6	4.0	3.6	1.7	1.0	2.3	2.1	3.1	2.0	3.6	4.6	2.8	4.6	1.0
29	4.2	4.4	4.2	5.5	5.2	2.7	3.0	5.2	4.8	3.5	2.6	3.7	3.9	3.3	3.0	2.5	2.1	0.9	2.2	2.0	1.8	1.5	1.8	1.5	3.1	5.5	0.9
30	1.8	2.0	2.0	2.0	1.6	0.8	1.2	1.0	1.0	0.4	0.6	1.4	2.7	3.5	3.9	2.8	2.3	1.2	2.4	2.1	1.6	1.7	1.8	1.6	1.8	3.9	0.4
31	2.1	1.7	2.1	1.7	1.9	2.0	1.4	1.8	1.7	1.2	0.6	1.7	2.9	2.4	2.3	1.9	1.3	1.1	2.2	1.6	1.9	1.5	1.6	1.8	1.8	2.9	0.6
Avg	2.2	2.5	2.5	2.8	2.7	2.5	2.6	2.9	3.2	2.8	2.9	3.5	3.7	3.5	3.5	3.2	2.7	1.8	2.1	2.1	2.1	2.3	2.3	2.1	2.7	--	--
Max	6.9	5.3	4.9	8.2	8.1	5.4	5.9	6.9	7.4	6.4	6.7	7.8	6.4	6.0	5.7	5.3	5.7	6.3	6.1	4.7	4.4	6.4	6.3	7.1	--	8.2	--
Min	0.6	0.8	0.6	0.9	1.1	0.7	1.1	1.0	0.9	0.3	0.4	0.9	2.0	0.9	1.7	0.4	0.6	0.6	0.7	0.9	0.5	1.0	0.9	0.8	--	--	0.3

SAROAD for Resolution, Far_West
"Component, Channel: Table100, BP_mmHg"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	712	712	712	711	712	712	712	712	712	712	712	712	711	710	709	708	708	707	707	707	708	708	708	708	710	712	707
2	708	708	708	708	708	708	709	709	710	710	710	710	709	709	708	708	708	708	708	709	710	710	710	710	709	710	708
3	711	711	711	711	711	712	712	713	713	713	713	713	712	712	711	711	711	711	711	712	712	713	713	713	712	713	711
4	713	714	714	714	714	715	715	715	715	715	715	715	715	714	713	713	713	713	713	713	713	713	713	713	714	715	713
5	713	713	713	713	713	713	714	714	714	714	714	713	713	712	712	712	712	711	711	712	712	712	713	713	713	714	711
6	713	713	713	713	713	713	714	714	715	715	715	715	714	713	713	712	712	712	712	712	712	713	713	713	713	715	712
7	713	713	712	712	712	713	713	713	713	713	713	712	712	711	711	710	710	710	710	710	710	710	710	710	711	713	710
8	710	710	710	710	710	710	710	710	711	711	710	710	710	709	708	708	708	707	707	708	708	708	709	709	709	711	707
9	710	710	710	710	711	711	712	713	713	714	714	714	713	713	713	713	713	713	713	714	715	715	715	715	713	715	710
10	715	716	715	716	716	716	716	717	717	717	716	716	715	715	714	714	713	713	713	713	713	713	713	713	715	717	713
11	713	713	713	713	713	713	713	714	714	714	714	714	713	712	712	712	712	712	712	712	712	713	713	713	713	714	712
12	713	713	713	713	713	713	714	714	715	715	715	714	714	713	713	713	713	713	713	713	713	714	714	714	714	715	713
13	714	715	715	715	715	715	715	716	716	716	716	716	715	714	714	714	713	713	714	714	714	714	714	714	715	716	713
14	715	715	715	715	715	715	716	716	717	717	717	717	716	716	715	715	715	715	715	716	716	717	717	717	716	717	715
15	717	717	717	717	718	718	718	719	719	720	720	719	718	718	717	717	717	717	717	717	718	718	718	718	718	720	717
16	719	719	719	718	718	719	719	719	720	720	719	719	718	717	717	716	716	716	716	716	717	717	717	717	718	720	716
17	717	717	717	716	717	717	717	717	718	717	717	717	716	715	715	714	714	714	714	715	715	715	715	715	716	718	714
18	715	715	714	714	714	714	715	715	716	716	716	715	715	714	714	713	713	713	713	713	713	713	713	713	714	716	713
19	713	713	712	712	712	712	712	713	713	713	713	713	712	711	711	711	710	710	710	711	711	711	711	711	712	713	710
20	711	711	711	711	711	711	712	712	713	713	712	712	712	711	710	710	709	709	710	711	711	711	712	712	711	713	709
21	712	712	712	713	713	714	714	715	716	716	716	716	716	716	715	716	716	716	716	717	717	718	718	718	715	718	712
22	718	718	719	719	719	719	720	720	721	721	721	721	720	719	719	718	718	718	718	719	719	719	719	719	719	721	718
23	718	718	718	718	718	719	719	719	720	720	720	719	719	718	718	717	717	717	717	718	718	718	718	718	718	720	717
24	718	718	718	718	718	718	718	719	719	719	719	719	718	717	717	717	717	716	717	717	717	718	718	717	718	719	716
25	717	717	717	717	717	717	717	718	718	717	717	716	715	715	714	714	713	713	713	713	713	713	713	713	715	718	713
26	713	713	713	713	714	714	714	714	715	715	714	714	713	713	712	712	712	712	713	713	713	713	713	713	713	715	712
27	713	713	713	713	714	714	714	714	715	715	715	714	714	713	713	712	712	712	712	713	713	713	713	713	713	715	712
28	713	713	713	713	713	713	714	714	714	714	714	714	713	713	712	712	712	712	712	713	713	713	713	713	713	714	712
29	713	713	713	713	713	713	713	714	714	714	714	714	713	712	712	711	711	711	712	712	712	712	712	712	713	714	711
30	712	712	712	712	712	712	712	712	713	713	713	712	711	711	710	710	709	709	710	710	711	711	711	712	711	713	709
31	712	712	712	712	712	713	713	714	714	714	714	714	714	713	713	713	713	713	713	713	713	713	713	713	713	714	712
Avg	714	714	714	714	714	714	714	715	715	715	715	715	714	713	713	713	713	713	713	713	713	714	714	714	714	--	--
Max	719	719	719	719	719	719	720	720	721	721	721	721	720	719	719	718	718	718	718	719	719	719	719	719	--	721	--
Min	708	708	708	708	708	708	709	709	710	710	710	710	709	709	708	708	708	707	707	707	708	708	708	708	--	--	707

SAROAD for Resolution, Far_West
"Component, Channel: Table100, BP_mmHg"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	713	714	714	714	714	714	714	714	715	715	715	714	714	713	713	713	712	713	713	713	714	714	715	715	714	715	712
2	715	715	715	715	715	715	715	716	717	717	717	717	717	716	716	716	716	716	716	716	716	717	717	717	716	717	715
3	717	717	717	717	717	717	717	718	718	719	719	718	718	717	717	716	716	716	716	716	716	716	716	715	717	719	715
4	715	715	715	715	715	715	715	715	716	716	716	716	715	714	714	714	713	713	714	714	714	715	715	715	715	716	713
5	715	715	715	715	715	716	716	716	717	717	717	717	717	716	715	715	715	715	716	716	716	716	716	716	716	717	715
6	717	717	717	716	717	717	717	718	718	718	718	718	717	717	716	716	716	716	717	717	717	717	717	717	717	718	716
7	717	717	717	717	717	717	717	718	718	718	718	718	717	717	716	716	716	716	717	716	717	717	717	717	717	718	716
8	717	717	717	717	717	717	717	718	718	718	718	718	717	716	716	716	715	715	716	715	716	716	716	716	717	718	715
9	715	715	715	715	715	716	716	716	716	716	716	716	715	714	714	714	714	714	714	714	714	715	715	715	715	716	714
10	715	714	714	714	714	714	715	715	715	715	715	715	714	713	713	713	713	713	713	714	714	714	714	714	714	715	713
11	714	714	714	714	715	715	715	715	716	716	716	716	715	715	715	715	714	715	715	715	715	715	716	716	715	716	714
12	716	716	716	716	716	717	717	717	718	718	718	717	717	716	716	716	716	716	716	716	717	717	717	717	717	718	716
13	717	717	717	717	717	717	718	718	718	719	719	718	718	717	717	717	717	717	717	717	717	717	717	717	717	719	717
14	717	717	717	716	716	717	717	717	718	718	718	717	716	716	715	715	715	715	715	715	715	716	716	716	716	718	715
15	716	715	715	715	715	715	716	716	716	717	717	716	716	715	715	715	715	715	715	715	715	716	716	716	716	717	715
16	716	716	715	715	715	715	715	715	716	716	716	716	715	715	714	714	714	714	714	715	715	715	715	715	715	716	714
17	715	715	715	715	715	715	715	716	716	716	716	716	716	715	715	715	715	715	715	715	715	716	716	716	715	716	715
18	716	716	717	717	717	717	718	719	719	720	720	719	719	718	718	717	717	717	717	717	718	718	718	718	718	720	716
19	718	717	717	717	717	717	717	717	718	718	718	717	716	715	715	714	714	715	715	715	716	716	716	716	716	718	714
20	716	716	716	716	716	716	716	717	717	718	718	717	716	716	716	716	715	715	716	716	716	717	717	717	716	718	715
21	717	717	717	717	717	718	718	718	719	719	719	719	718	718	717	717	717	717	718	718	718	718	718	718	718	719	717
22	718	718	718	718	718	719	719	719	720	720	720	720	719	719	718	718	718	718	718	718	719	719	718	718	719	720	718
23	718	718	718	718	718	718	718	718	719	719	719	718	717	716	716	715	715	715	715	715	715	715	715	715	717	719	715
24	715	715	715	715	714	715	715	715	715	715	715	715	714	714	714	713	713	713	714	714	714	715	715	715	715	715	713
25	715	716	716	716	716	716	717	717	718	718	719	718	717	717	717	717	717	717	717	717	718	718	718	718	717	719	715
26	718	718	718	718	718	718	719	719	719	719	719	718	717	716	716	715	715	715	715	715	715	715	715	715	717	719	715
27	714	714	714	714	714	714	714	714	715	714	714	713	712	712	711	711	711	711	711	712	712	713	713	714	713	715	711
28	713	714	714	714	714	715	715	716	716	717	717	717	716	716	715	715	715	715	716	716	716	716	717	717	716	717	713
29	717	717	717	717	717	717	717	717	718	718	718	718	717	717	716	716	717	717	717	717	718	718	718	718	717	718	716
30	718	718	717	717	717	718	718	718	718	719	718	718	718	717	716	716	717	717	717	716	716	716	716	716	717	719	716
Avg	716	716	716	716	716	716	716	717	717	717	717	717	716	716	715	715	715	715	715	716	716	716	716	716	716	--	--
Max	718	718	718	718	718	719	719	719	720	720	720	720	719	719	718	718	718	718	718	718	719	719	718	718	--	720	--
Min	713	714	714	714	714	714	714	714	715	714	714	713	712	712	711	711	711	711	711	712	712	713	713	714	--	--	711

SAROAD for Resolution, Far_West
"Component, Channel: Table100, BP_mmHg"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	716	716	716	715	715	715	716	716	717	717	717	717	716	715	715	715	715	715	716	716	716	716	716	716	716	717	715
2	716	716	716	716	716	716	716	717	717	717	717	717	716	715	715	715	715	715	715	716	716	716	716	716	716	717	715
3	716	716	716	716	715	715	716	716	716	716	716	716	715	714	714	713	713	713	713	713	713	713	713	713	715	716	713
4	713	713	713	713	713	713	714	714	714	715	715	714	714	713	713	713	713	714	714	714	714	715	715	716	714	716	713
5	716	716	716	716	716	716	716	717	717	718	718	718	717	717	717	717	717	717	718	718	718	718	719	719	717	719	716
6	719	718	718	718	718	718	718	719	719	719	719	719	718	717	717	717	717	717	718	718	718	719	719	719	718	719	717
7	720	720	721	721	721	722	722	723	723	724	724	723	723	722	722	722	722	723	723	724	724	724	724	725	723	725	720
8	724	724	724	724	724	724	724	725	725	725	725	724	723	723	722	722	722	722	722	723	723	723	723	723	723	725	722
9	723	723	723	723	723	723	723	724	724	724	724	723	722	722	721	721	721	721	721	722	722	722	722	722	722	724	721
10	722	722	722	722	721	722	722	722	722	723	722	722	721	720	720	720	720	720	720	720	721	721	721	721	721	723	720
11	721	721	721	721	721	721	721	721	722	722	722	722	721	720	720	720	720	720	721	721	721	721	721	721	721	722	720
12	721	721	722	721	721	721	721	722	722	722	722	721	720	719	719	718	718	718	718	718	718	718	718	718	720	722	718
13	717	717	717	717	717	717	717	717	717	718	717	717	716	715	715	714	714	714	714	714	714	714	714	714	716	718	714
14	714	714	714	714	714	714	714	714	715	715	716	715	715	714	714	714	715	715	716	716	717	717	717	718	715	718	714
15	718	719	719	720	720	720	720	721	721	721	721	721	720	719	718	717	717	717	717	717	716	716	716	716	719	721	716
16	715	715	714	713	712	712	712	711	711	711	711	711	710	710	709	709	709	710	710	710	710	711	711	711	711	715	709
17	711	711	711	712	712	712	713	713	714	714	715	714	714	713	713	713	714	714	715	715	715	715	716	716	714	716	711
18	716	716	716	716	716	717	718	718	719	719	719	719	718	718	718	718	718	718	719	719	719	719	719	720	718	720	716
19	720	719	719	719	719	720	720	721	721	721	721	721	720	720	720	720	720	720	720	720	720	720	720	720	720	721	719
20	720	719	719	719	719	719	719	719	719	720	719	719	717	717	716	715	715	714	714	714	713	713	713	713	717	720	713
21	712	712	713	713	713	714	714	715	715	716	716	716	715	715	715	715	715	716	716	717	717	717	718	718	715	718	712
22	719	719	719	720	720	720	720	721	722	723	724	723	723	722	722	722	722	722	722	722	722	722	722	722	721	724	719
23	722	722	722	722	722	721	721	722	722	722	722	722	721	720	719	719	719	719	719	720	720	720	720	720	721	722	719
24	720	720	720	720	720	720	720	720	721	721	721	720	720	719	718	718	718	718	718	718	719	719	719	719	719	721	718
25	718	718	718	718	718	718	718	719	719	719	719	719	718	717	717	717	717	717	717	717	717	718	718	718	718	719	717
26	718	718	718	718	718	718	718	719	719	719	720	719	719	718	718	718	718	718	718	719	719	719	719	719	718	720	718
27	719	719	719	720	720	719	720	720	720	721	721	720	720	719	718	718	718	718	718	719	719	719	719	719	719	721	718
28	719	719	719	719	719	719	720	720	720	721	721	720	720	719	718	718	718	718	718	719	719	719	719	719	719	721	718
29	719	719	719	719	719	719	719	720	720	720	721	720	719	719	718	718	718	718	718	719	719	719	719	719	719	721	718
30	719	719	719	719	719	719	719	719	719	719	719	719	718	717	716	716	716	716	716	717	717	717	717	717	718	719	716
31	717	717	717	717	717	717	717	717	718	718	718	718	718	717	717	717	717	717	718	718	718	718	719	719	718	719	717
Avg	718	718	718	718	718	718	718	719	719	719	719	719	718	718	717	717	717	717	718	718	718	718	718	718	718	--	--
Max	724	724	724	724	724	724	724	725	725	725	725	724	723	723	722	722	722	723	723	724	724	724	724	725	--	725	--
Min	711	711	711	712	712	712	712	711	711	711	711	711	710	710	709	709	709	710	710	710	710	711	711	711	--	--	709

SAROAD for Resolution, Far_West
"Component, Channel: Table100, DeltaTemp_C"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.70	1.36	1.57	1.33	1.53	1.02	0.42	-0.16	-0.49	-0.75	-0.87	-0.97	-0.98	-1.05	-0.91	-0.78	-0.52	-0.11	0.51	0.70	0.76	1.00	0.55	0.40	0.22	1.70	-1.05
2	0.58	0.44	0.47	0.67	1.09	0.91	1.61	0.24	-0.49	-0.71	-1.03	-1.13	-1.00	-1.14	-1.11	-0.95	-0.73	-0.27	0.35	0.70	1.28	2.04	1.23	1.00	0.17	2.04	-1.14
3	1.09	1.24	2.16	1.36	0.63	0.99	0.55	-0.15	-0.48	-0.81	-0.92	-0.92	-1.10	-1.05	-0.90	-0.74	-0.50	-0.07	0.66	1.58	3.49	3.67	1.28	0.80	0.49	3.67	-1.10
4	0.96	1.27	1.02	1.07	0.83	0.72	0.47	-0.08	-0.37	-0.85	-0.95	-1.04	-1.07	-1.12	-1.08	-0.95	-0.65	-0.24	0.72	1.27	1.29	0.90	0.39	1.16	0.15	1.29	-1.12
5	0.64	0.40	0.30	0.32	0.56	0.63	0.33	-0.10	-0.43	-0.66	-0.88	-0.96	-1.24	-1.19	-1.04	-0.94	-0.68	-0.25	0.47	0.90	1.00	1.00	1.69	2.87	0.11	2.87	-1.24
6	2.78	1.29	1.95	0.98	0.66	0.62	1.22	-0.11	-0.42	-0.64	-0.89	-1.23	-1.19	-1.16	-1.08	-0.95	-0.65	-0.13	1.27	3.44	3.48	1.24	1.07	0.73	0.51	3.48	-1.23
7	2.35	3.18	1.70	1.45	1.05	0.96	2.95	0.86	-0.69	-0.90	-1.01	-1.17	-1.17	-1.03	-0.98	-0.91	-0.65	-0.03	1.67	4.16	3.05	0.75	0.81	0.71	0.71	4.16	-1.17
8	0.66	0.69	0.67	1.21	1.93	0.99	0.93	0.05	-0.43	-0.68	-0.89	-0.91	-0.97	-0.96	-0.90	-0.85	-0.54	-0.06	1.50	4.03	3.83	3.30	0.88	0.62	0.59	4.03	-0.97
9	0.83	0.73	1.00	1.56	1.45	1.43	2.21	0.08	-0.49	-0.82	-1.02	-1.01	-1.15	-0.95	-0.98	-0.79	-0.68	-0.20	0.57	0.57	0.11	0.10	0.10	0.12	0.12	2.21	-1.15
10	0.11	0.12	0.12	0.11	0.15	0.21	0.26	-0.06	-0.41	-0.64	-0.86	-0.89	-1.00	-0.97	-0.71	-0.62	-0.41	-0.08	0.22	0.27	0.55	0.92	0.69	0.50	-0.10	0.92	-1.00
11	0.43	0.41	0.44	0.40	0.41	0.38	0.55	0.08	-0.35	-0.63	-0.93	-0.99	-1.03	-0.94	-0.99	-0.84	-0.50	-0.12	0.59	1.35	1.53	3.05	1.72	0.84	0.20	3.05	-1.03
12	1.58	1.97	1.90	1.13	0.85	0.75	0.75	-0.05	-0.34	-0.60	-0.83	-0.92	-1.04	-1.11	-0.84	-0.80	-0.58	0.03	0.97	1.56	1.66	1.03	0.68	0.55	0.35	1.97	-1.11
13	0.72	1.40	2.21	0.89	1.32	0.53	0.39	-0.11	-0.39	-0.70	-0.84	-0.98	-0.99	-1.12	-1.00	-0.86	-0.57	-0.01	0.85	1.13	1.14	1.49	0.73	0.56	0.24	2.21	-1.12
14	0.72	1.88	1.23	0.80	0.55	0.55	0.35	-0.05	-0.38	-0.59	-0.64	-0.98	-1.08	-1.04	-0.91	-0.91	-0.63	-0.01	1.20	2.40	1.55	0.76	1.03	0.75	0.27	2.40	-1.08
15	1.71	0.99	0.74	0.54	1.40	1.25	0.40	0.09	-0.29	-0.65	-0.90	-0.99	-0.97	-0.91	-0.89	-0.75	-0.48	0.13	1.31	1.58	1.57	1.41	3.41	1.42	0.46	3.41	-0.99
16	0.96	1.02	0.89	0.54	0.53	0.55	0.45	0.04	-0.33	-0.53	-0.79	-0.92	-0.87	-0.86	-0.74	-0.60	-0.43	-0.03	0.40	0.36	0.60	0.50	0.60	0.44	0.07	1.02	-0.92
17	0.42	0.45	0.56	0.69	0.58	0.59	1.15	0.07	-0.36	-0.55	-0.66	-0.62	-0.87	-0.80	-0.71	-0.71	-0.48	0.02	0.75	1.69	1.67	1.06	0.68	0.61	0.22	1.69	-0.87
18	0.49	0.55	0.49	0.56	0.62	1.07	0.87	0.10	-0.57	-0.91	-0.88	-0.98	-1.06	-1.04	-0.87	-0.68	-0.56	-0.06	0.45	0.94	1.26	0.97	1.15	1.32	0.13	1.32	-1.06
19	0.91	2.55	2.24	1.56	1.27	0.71	0.71	0.01	-0.02	-0.30	-0.19	-0.35	-0.66	-0.78	-0.77	-0.85	-0.50	0.37	1.60	2.32	2.29	2.77	0.67	1.39	0.71	2.77	-0.85
20	1.05	1.01	1.91	2.07	0.79	1.23	1.44	0.46	-0.41	-0.71	-0.84	-1.01	-1.18	-1.16	-1.00	-0.82	-0.57	-0.13	0.06	0.36	0.47	1.44	2.55	2.48	0.40	2.55	-1.18
21	1.23	0.69	1.00	0.63	0.43	0.61	0.81	-0.11	-0.59	-0.92	-0.88	-0.98	-1.19	-1.05	-0.97	-0.88	-0.56	-0.08	0.59	1.29	2.46	1.29	0.52	0.52	0.16	2.46	-1.19
22	1.15	2.24	2.30	2.69	3.19	3.46	2.48	1.20	-0.37	-0.64	-0.85	-1.10	-0.97	-0.84	-0.75	-0.66	-0.47	0.11	1.25	2.67	2.91	0.79	1.10	1.98	0.95	3.46	-1.10
23	2.05	2.54	3.36	2.83	3.00	2.45	2.84	2.09	-0.61	-0.83	-0.94	-0.98	-1.06	-0.96	-0.95	-0.78	-0.39	0.27	2.39	3.58	2.57	3.21	2.27	2.99	1.29	3.58	-1.06
24	2.32	3.28	1.62	1.44	1.27	0.45	0.51	0.23	-0.21	-0.50	-0.74	-0.86	-0.88	-0.77	-0.67	-0.58	-0.27	0.35	0.57	0.29	0.42	0.59	0.91	0.77	0.40	3.28	-0.88
25	0.64	0.66	0.81	0.82	0.53	0.63	0.49	0.22	-0.25	-0.54	-0.75	-0.83	-0.93	-0.91	-0.64	-0.51	-0.28	0.48	1.58	1.04	1.12	1.54	2.04	1.32	0.35	2.04	-0.93
26	1.65	2.36	0.96	1.38	1.66	1.80	0.49	0.07	-0.33	-0.63	-0.75	-0.83	-1.01	-1.04	-0.98	-0.81	-0.46	0.41	2.12	3.60	2.42	0.81	0.70	0.67	0.60	3.60	-1.04
27	0.56	1.64	1.07	0.80	1.98	1.85	1.24	0.56	-0.42	-0.56	-0.86	-0.98	-1.09	-1.00	-0.82	-0.73	-0.47	0.24	1.21	2.76	1.20	1.16	1.35	0.71	0.48	2.76	-1.09
28	0.72	0.92	2.02	0.76	0.65	1.47	1.98	0.96	-0.15	-0.46	-0.64	-0.73	-0.65	-0.89	-0.93	-0.78	-0.47	0.55	1.85	2.06	0.95	0.78	0.66	1.10	0.49	2.06	-0.93
29	1.30	1.13	0.92	1.28	1.88	2.54	1.58	0.22	-0.26	-0.60	-0.76	-0.78	-0.85	-0.73	-0.69	-0.70	-0.46	0.41	1.74	2.78	2.23	0.77	0.54	1.23	0.61	2.78	-0.85
30	1.69	1.11	1.54	1.17	0.91	0.72	1.24	0.54	-0.36	-0.40	-0.48	-0.39	-0.65	-0.55	-0.63	-0.36	-0.27	0.49	1.96	2.18	1.16	0.84	1.07	0.72	0.55	2.18	-0.65
31	0.19	0.33	0.50	0.82	0.79	1.20	1.68	0.36	-0.34	-0.68	-0.77	-0.87	-1.04	-0.86	-0.75	-0.61	-0.28	0.43	1.16	0.61	0.57	0.48	0.48	0.55	0.17	1.68	-1.04
Avg	1.10	1.29	1.28	1.09	1.11	1.07	1.07	0.24	-0.39	-0.66	-0.81	-0.91	-1.00	-0.97	-0.88	-0.76	-0.51	0.08	1.05	1.75	1.63	1.34	1.08	1.03	0.39	--	--
Max	2.78	3.28	3.36	2.83	3.19	3.46	2.95	2.09	-0.02	-0.30	-0.19	-0.35	-0.65	-0.55	-0.63	-0.36	-0.27	0.55	2.39	4.16	3.83	3.67	3.41	2.99	--	4.16	--
Min	0.11	0.12	0.12	0.11	0.15	0.21	0.26	-0.16	-0.69	-0.92	-1.03	-1.23	-1.24	-1.19	-1.11	-0.95	-0.73	-0.27	0.06	0.27	0.11	0.10	0.10	0.12	--	--	-1.24

SAROAD for Resolution, Far_West
"Component, Channel: Table100, DeltaTemp_C"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.68	0.71	1.49	0.63	0.28	0.19	0.57	0.24	-0.34	-0.66	-0.82	-0.94	-0.95	-0.94	-0.90	-0.72	-0.47	0.15	1.21	2.43	2.84	3.24	2.08	1.64	0.48	3.24	-0.95
2	1.36	1.35	0.74	0.39	0.36	0.30	0.41	-0.03	-0.47	-0.54	-0.82	-0.93	-0.97	-0.95	-0.84	-0.67	-0.52	0.14	1.84	1.47	0.34	0.28	0.43	0.74	0.14	1.84	-0.97
3	1.63	2.07	1.00	1.28	1.99	0.99	0.45	0.02	-0.24	-0.34	-0.61	-0.74	-0.87	-0.89	-0.71	-0.61	-0.29	0.25	0.64	0.53	0.42	0.76	0.70	0.64	0.34	2.07	-0.89
4	0.71	1.03	1.58	1.17	0.75	1.14	0.45	0.33	-0.28	-0.39	-0.45	-0.46	-0.73	-0.79	-0.91	-0.66	-0.35	0.24	0.36	0.56	1.44	2.43	2.08	1.91	0.47	2.43	-0.91
5	1.32	0.91	1.33	1.08	0.79	0.71	0.82	0.58	-0.42	-0.67	-0.73	-0.96	-0.88	-1.06	-0.90	-0.54	-0.54	-0.06	0.91	1.99	1.50	2.38	1.51	0.38	0.39	2.38	-1.06
6	0.75	0.50	0.37	0.36	0.45	0.35	0.28	0.12	-0.18	-0.33	-0.58	-0.57	-0.77	-0.79	-0.79	-0.71	-0.44	0.39	1.30	1.14	0.56	0.23	0.65	0.89	0.13	1.30	-0.79
7	0.64	0.71	0.69	0.79	0.32	0.38	0.23	0.13	-0.16	-0.27	-0.57	-0.64	-0.75	-0.62	-0.54	-0.38	-0.18	0.23	0.66	1.05	1.10	0.42	0.63	0.32	0.18	1.10	-0.75
8	0.04	0.48	0.54	0.49	0.94	0.87	0.93	0.10	-0.26	-0.58	-0.88	-0.95	-0.96	-0.88	-0.85	-0.66	-0.36	0.20	1.06	1.11	1.29	2.67	1.71	1.08	0.30	2.67	-0.96
9	0.28	0.76	0.78	0.55	1.88	2.29	2.29	0.24	-0.36	-0.75	-0.88	-0.77	-0.98	-0.94	-0.82	-0.77	-0.46	0.29	0.90	1.50	1.56	0.64	0.66	0.73	0.36	2.29	-0.98
10	0.47	0.47	0.81	0.82	1.11	2.23	2.11	0.08	-0.25	-0.55	-0.84	-0.66	-0.86	-0.84	-0.84	-0.75	-0.40	0.48	1.27	2.04	1.06	0.52	0.63	0.48	0.36	2.23	-0.86
11	0.94	0.42	0.49	0.48	0.67	0.68	0.58	0.43	-0.29	-0.36	-0.51	-0.68	-0.93	-0.90	-0.74	-0.69	-0.37	0.68	1.70	1.83	1.03	0.99	2.03	0.91	0.35	2.03	-0.93
12	0.66	0.83	0.82	1.08	1.06	1.10	1.77	1.84	0.55	-0.68	-0.86	-0.98	-0.98	-0.94	-0.80	-0.60	-0.19	0.71	1.33	3.01	3.19	0.51	1.11	1.19	0.61	3.19	-0.98
13	1.65	0.79	0.51	0.70	1.09	1.33	2.39	0.38	-0.09	-0.79	-0.71	-0.71	-0.79	-0.77	-0.66	-0.64	-0.29	0.64	1.90	2.13	0.80	0.81	1.01	0.66	0.47	2.39	-0.79
14	0.63	0.95	0.66	1.56	1.47	1.62	1.39	1.15	-0.19	-0.63	-0.76	-0.66	-0.77	-0.86	-0.80	-0.63	-0.33	0.75	2.51	2.08	0.81	0.62	0.64	0.79	0.50	2.51	-0.86
15	0.63	0.66	0.89	1.06	2.26	1.94	1.21	0.55	-0.19	-0.61	-0.92	-0.92	-0.77	-0.64	-0.70	-0.64	-0.11	0.83	1.28	1.67	1.25	0.73	0.81	0.88	0.47	2.26	-0.92
16	0.63	0.54	0.56	0.85	0.83	1.03	1.34	0.91	-0.34	-0.70	-0.89	-0.79	-0.77	-1.07	-0.92	-0.69	-0.37	0.78	1.86	2.18	1.18	0.56	0.78	0.67	0.34	2.18	-1.07
17	0.61	0.71	0.75	1.25	0.69	0.66	0.56	0.12	-0.20	-0.38	-0.54	-0.55	-1.00	-0.97	-0.65	-0.41	-0.19	0.41	0.84	1.08	0.78	1.35	2.49	2.21	0.40	2.49	-1.00
18	2.17	1.37	1.21	1.56	1.89	0.93	0.40	0.17	-0.21	-0.51	-0.76	-0.84	-0.85	-1.00	-0.90	-0.65	-0.31	0.65	1.62	1.47	0.80	0.44	0.91	0.67	0.43	2.17	-1.00
19	0.54	0.49	0.65	1.61	1.98	4.17	1.77	0.50	-0.12	-0.48	-0.74	-0.75	-0.73	-0.65	-0.53	-0.51	-0.28	0.47	0.59	1.13	1.18	2.24	1.15	0.97	0.61	4.17	-0.75
20	0.98	1.63	2.99	4.52	2.99	3.64	3.33	3.00	-0.37	-0.57	-0.82	-1.02	-0.90	-0.93	-0.76	-0.62	-0.20	0.88	1.69	2.26	1.86	1.00	0.59	1.00	1.09	4.52	-1.02
21	1.45	0.79	0.97	1.01	1.19	0.60	0.46	0.42	-0.35	-0.70	-0.78	-0.99	-1.10	-0.96	-0.81	-0.52	-0.09	0.94	2.19	1.30	1.95	2.47	1.79	2.91	0.59	2.91	-1.10
22	2.49	3.20	2.88	4.66	3.84	0.96	0.61	0.57	0.17	-0.30	-0.62	-0.75	-0.80	-0.72	-0.63	-0.46	-0.09	0.78	1.75	0.74	0.92	1.17	1.27	1.57	0.97	4.66	-0.80
23	0.94	1.09	2.05	1.89	2.42	3.12	3.93	2.89	0.04	-0.68	-0.91	-1.00	-1.00	-0.85	-0.76	-0.56	-0.19	0.68	1.62	1.89	1.93	0.95	1.08	0.79	0.89	3.93	-1.00
24	0.98	1.77	1.90	1.55	3.09	3.10	1.87	0.83	-0.21	-0.49	-0.83	-0.75	-0.93	-0.99	-0.84	-0.67	-0.32	1.16	3.58	3.46	0.67	0.80	0.83	0.89	0.85	3.58	-0.99
25	0.73	0.65	0.78	0.67	0.94	1.54	1.03	0.69	-0.21	-0.53	-0.86	-1.06	-1.00	-0.94	-0.84	-0.63	-0.27	1.11	2.96	1.79	0.77	0.92	0.64	0.67	0.40	2.96	-1.06
26	0.77	1.27	1.29	1.63	1.15	1.10	1.84	2.17	-0.10	-0.75	-0.78	-1.06	-0.99	-0.86	-0.79	-0.48	-0.13	1.18	2.66	3.09	1.14	1.59	0.96	0.96	0.70	3.09	-1.06
27	1.07	1.07	1.26	3.02	0.96	0.91	1.55	1.72	-0.09	-0.45	-0.58	-0.77	-0.77	-0.87	-0.75	-0.25	0.13	1.46	1.08	1.15	2.74	2.48	1.50	0.85	0.77	3.02	-0.87
28	2.25	2.67	2.35	1.87	2.08	0.96	0.80	0.27	-0.27	-0.61	-0.62	-1.01	-1.01	-0.91	-0.84	-0.43	-0.02	1.09	2.64	2.18	1.28	0.75	1.71	0.89	0.75	2.67	-1.01
29	0.52	0.76	1.18	1.20	1.74	3.26	3.34	2.48	0.51	-0.26	-0.70	-0.64	-0.76	-0.52	-0.45	-0.41	-0.03	0.46	1.44	1.18	1.81	2.25	1.59	2.50	0.94	3.34	-0.76
30	2.31	1.50	1.07	1.47	0.86	0.89	0.61	0.43	0.23	-0.14	-0.31	-0.44	-0.46	-0.30	-0.25	-0.23	-0.14	0.11	0.44	0.53	0.85	0.66	1.01	1.50	0.51	2.31	-0.46
Avg	1.03	1.07	1.15	1.37	1.40	1.43	1.31	0.78	-0.16	-0.52	-0.72	-0.80	-0.87	-0.84	-0.75	-0.57	-0.26	0.60	1.53	1.67	1.30	1.23	1.17	1.08	0.53	--	--
Max	2.49	3.20	2.99	4.66	3.84	4.17	3.93	3.00	0.55	-0.14	-0.31	-0.44	-0.46	-0.30	-0.25	-0.23	0.13	1.46	3.58	3.46	3.19	3.24	2.49	2.91	--	4.66	--
Min	0.04	0.42	0.37	0.36	0.28	0.19	0.23	-0.03	-0.47	-0.79	-0.92	-1.06	-1.10	-1.07	-0.92	-0.77	-0.54	-0.06	0.36	0.53	0.34	0.23	0.43	0.32	--	--	-1.10

SAROAD for Resolution, Far_West
"Component, Channel: Table100, DeltaTemp_C"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.03	1.04	0.83	0.77	0.52	0.45	0.92	0.60	0.30	0.37	-0.08	-0.18	-0.19	-0.21	-0.34	-0.27	0.07	1.60	2.42	1.84	1.19	1.31	2.28	3.59	0.83	3.59	-0.34
2	1.71	1.36	1.02	0.62	1.48	1.01	0.70	1.21	0.26	-0.44	-0.57	-0.49	-0.80	-0.60	-0.60	-0.45	-0.17	1.15	1.35	0.53	0.90	0.93	0.74	0.66	0.48	1.71	-0.80
3	1.03	1.26	1.81	1.74	1.26	0.98	0.51	0.46	-0.11	-0.30	-0.48	-0.66	-0.85	-0.90	-0.64	-0.47	-0.14	1.41	2.55	0.61	0.49	1.00	1.64	1.55	0.57	2.55	-0.90
4	0.97	1.69	1.87	1.59	1.05	1.53	1.37	0.91	-0.14	-0.46	-0.60	-0.76	-0.98	-0.96	-0.77	-0.53	-0.28	0.24	0.64	0.77	0.98	2.02	2.44	2.82	0.64	2.82	-0.98
5	2.71	2.96	1.50	1.84	1.46	1.51	0.86	0.29	-0.09	-0.03	-0.34	-0.24	-0.23	-0.23	-0.38	-0.34	-0.19	0.08	0.51	0.66	0.78	0.76	-0.08	0.14	0.58	2.96	-0.38
6	0.50	0.50	0.23	0.12	0.11	0.33	0.27	0.20	-0.15	-0.44	-0.77	-0.95	-1.03	-0.93	-0.89	-0.66	-0.27	0.78	0.63	0.38	0.51	0.49	0.51	0.60	0.00	0.78	-1.03
7	0.48	0.40	0.36	0.33	0.34	0.27	0.70	0.40	-0.21	-0.47	-0.82	-0.92	-0.88	-0.88	-0.75	-0.58	-0.21	0.21	0.85	1.67	2.23	1.96	1.90	2.02	0.35	2.23	-0.92
8	3.83	3.40	2.80	1.80	1.84	1.50	1.69	1.65	-0.04	-0.54	-0.75	-0.98	-1.03	-0.93	-0.85	-0.66	-0.29	0.68	1.41	1.55	0.71	1.11	1.00	0.88	0.82	3.83	-1.03
9	0.51	0.56	0.67	0.89	2.52	3.70	2.34	2.76	0.29	-0.33	-0.50	-0.59	-0.71	-0.71	-0.63	-0.33	0.09	0.33	0.36	0.76	1.65	2.14	0.66	0.62	0.71	3.70	-0.71
10	0.95	1.24	0.89	0.76	0.57	0.98	2.05	1.30	0.84	-0.08	-0.34	-0.36	-0.50	-0.28	-0.26	-0.15	0.19	0.51	1.34	1.11	2.03	2.69	2.36	1.36	0.80	2.69	-0.50
11	1.33	1.12	1.03	0.70	0.38	0.51	1.31	2.18	1.90	-0.26	-0.53	-0.61	-0.70	-0.52	-0.63	-0.47	-0.18	1.17	2.82	3.22	2.42	2.30	2.43	3.59	1.02	3.59	-0.70
12	2.08	2.03	0.94	1.42	1.17	0.57	0.71	0.47	0.46	-0.18	-0.44	-0.61	-0.49	-0.44	-0.33	-0.34	0.09	0.45	1.88	2.48	1.71	0.98	1.26	1.12	0.71	2.48	-0.61
13	2.23	2.39	0.98	1.33	2.21	2.12	2.38	1.98	0.31	-0.27	-0.58	-0.88	-1.01	-0.93	-0.80	-0.62	-0.19	1.13	2.29	3.55	1.24	0.80	0.69	1.14	0.90	3.55	-1.01
14	1.14	0.75	0.56	0.71	1.58	1.18	0.87	0.72	0.11	-0.53	-0.83	-1.00	-1.06	-0.80	-0.73	-0.49	-0.10	0.28	0.82	0.42	0.35	0.35	0.29	0.45	0.21	1.58	-1.06
15	0.25	0.27	0.19	0.19	0.18	0.30	0.57	0.46	0.03	-0.29	-0.52	-0.61	-0.63	-0.58	-0.62	-0.39	-0.18	0.75	1.37	2.43	1.18	0.85	1.04	1.06	0.30	2.43	-0.63
16	1.41	1.82	2.49	2.26	1.15	1.59	2.47	2.52	0.70	-0.15	-0.24	-0.32	-0.38	-0.43	-0.55	-0.28	0.05	1.27	1.24	1.19	1.64	1.45	0.80	0.76	0.94	2.52	-0.55
17	1.03	1.33	1.20	0.31	0.11	0.07	0.03	0.23	-0.05	-0.23	-0.31	-0.27	-0.19	-0.17	-0.13	-0.14	0.04	0.73	0.45	0.35	0.47	0.64	0.69	0.77	0.29	1.33	-0.31
18	1.25	1.26	2.18	3.05	2.27	2.02	1.43	1.78	0.42	-0.41	-0.65	-0.91	-0.84	-0.95	-0.90	-0.65	-0.34	0.25	1.02	1.88	1.46	0.69	0.62	1.13	0.71	3.05	-0.95
19	0.66	0.47	0.50	0.46	0.51	1.14	1.70	1.99	0.20	-0.38	-0.51	-0.63	-0.84	-1.08	-0.92	-0.79	-0.41	0.60	1.84	1.58	0.63	0.46	0.56	0.65	0.35	1.99	-1.08
20	0.71	0.61	0.92	2.02	1.48	2.05	2.25	1.20	0.33	-0.35	-0.51	-0.62	-0.67	-0.72	-0.82	-0.70	-0.36	0.80	1.66	0.30	1.96	1.39	1.39	0.90	0.63	2.25	-0.82
21	0.70	0.86	1.07	1.38	1.84	1.36	0.46	0.57	-0.10	-0.57	-0.94	-1.07	-1.18	-1.13	-1.02	-0.82	-0.41	0.11	0.72	0.96	0.63	0.65	0.85	1.63	0.27	1.84	-1.18
22	1.08	1.35	0.93	0.87	0.77	0.71	0.66	0.52	-0.04	-0.43	-0.64	-1.05	-0.96	-1.06	-0.94	-0.71	-0.38	0.47	1.52	2.69	1.60	0.91	0.68	1.83	0.43	2.69	-1.06
23	1.17	1.08	1.37	0.63	0.95	0.64	0.94	2.48	1.90	-0.31	-0.69	-0.80	-0.65	-0.50	-0.71	-0.45	-0.16	0.60	1.99	2.44	1.86	1.72	1.48	3.05	0.84	3.05	-0.80
24	2.17	1.24	0.81	0.85	0.93	1.41	2.05	1.93	-0.04	-0.35	-0.78	-0.82	-0.99	-0.89	-0.81	-0.59	-0.39	0.83	1.97	2.44	1.52	0.86	0.78	1.42	0.65	2.44	-0.99
25	1.07	1.50	2.69	1.95	1.39	1.87	1.55	1.63	0.23	0.16	-0.35	-0.64	-0.96	-0.76	-0.59	-0.37	-0.29	0.71	1.97	1.91	0.97	1.73	0.76	0.96	0.80	2.69	-0.96
26	0.90	2.09	3.05	1.81	1.60	1.58	1.29	1.61	0.33	-0.46	-1.00	-0.99	-1.00	-0.96	-0.76	-0.43	-0.10	0.90	2.25	2.96	1.81	2.08	1.04	0.69	0.85	3.05	-1.00
27	0.60	0.71	0.80	2.23	1.29	0.79	1.00	0.88	0.30	-0.39	-1.00	-1.04	-0.91	-0.86	-0.73	-0.47	-0.11	1.23	2.42	4.65	3.12	2.77	1.39	0.85	0.81	4.65	-1.04
28	0.75	1.15	4.24	4.40	2.07	2.04	2.30	1.21	0.47	-0.36	-0.78	-0.91	-0.89	-0.86	-0.77	-0.52	-0.19	1.46	3.82	3.69	2.54	3.01	4.64	4.73	1.55	4.73	-0.91
29	5.92	4.96	4.69	3.65	4.55	4.90	4.29	3.79	1.20	-0.50	-0.77	-0.93	-0.86	-0.83	-0.73	-0.50	-0.17	0.87	2.13	3.69	3.00	3.28	1.93	1.36	2.04	5.92	-0.93
30	1.97	0.80	1.46	1.38	1.27	1.53	1.45	1.39	0.52	-0.61	-0.59	-0.76	-1.10	-1.07	-0.85	-0.57	-0.27	1.02	3.03	2.17	2.23	1.02	0.73	1.51	0.74	3.03	-1.10
31	0.73	0.76	0.88	1.14	0.79	1.03	0.89	1.34	1.38	-0.07	-0.63	-0.87	-0.71	-0.59	-0.50	-0.36	0.15	1.13	1.73	2.24	1.41	1.58	2.43	1.49	0.73	2.43	-0.87
Avg	1.38	1.39	1.45	1.39	1.28	1.34	1.35	1.31	0.37	-0.31	-0.60	-0.72	-0.78	-0.73	-0.68	-0.49	-0.16	0.77	1.64	1.84	1.46	1.42	1.29	1.46	0.70	--	--
Max	5.92	4.96	4.69	4.40	4.55	4.90	4.29	3.79	1.90	0.37	-0.08	-0.18	-0.19	-0.17	-0.13	-0.14	0.19	1.60	3.82	4.65	3.12	3.28	4.64	4.73	--	5.92	--
Min	0.25	0.27	0.19	0.12	0.11	0.07	0.03	0.20	-0.21	-0.61	-1.00	-1.07	-1.18	-1.13	-1.02	-0.82	-0.41	0.08	0.36	0.30	0.35	0.35	-0.08	0.14	--	--	-1.18

SAROAD for Resolution, Far_West
"Component, Channel: Table100, RH_Percent"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	21	22	24	25	25	27	27	24	20	17	13	12	11	10	10	9	9	9	11	13	13	16	16	17	17	27	9
2	19	20	22	22	22	18	18	16	13	13	15	16	14	10	11	14	15	16	19	21	24	26	29	32	19	32	10
3	33	35	35	37	38	37	38	31	23	18	17	13	9	9	8	7	7	8	12	14	17	18	20	22	21	38	7
4	23	24	26	28	30	32	32	28	21	18	17	17	17	17	16	15	16	18	20	22	23	23	23	24	22	32	15
5	26	28	29	30	30	30	28	25	21	18	17	16	16	14	15	15	15	16	17	19	20	20	22	24	21	30	14
6	24	25	25	27	30	29	30	27	19	15	13	12	10	8	6	5	6	7	9	11	12	14	13	15	16	30	5
7	13	11	8	7	8	8	11	11	9	7	6	7	6	6	5	5	5	5	7	8	9	10	11	12	8	13	5
8	12	12	13	15	17	16	16	13	10	7	6	6	6	6	5	5	5	6	7	9	10	11	12	13	10	17	5
9	14	16	17	19	21	23	25	25	24	22	22	24	24	22	19	16	14	13	15	12	8	8	8	8	18	25	8
10	9	10	10	11	11	12	12	11	10	10	11	11	12	13	12	12	12	13	14	16	17	18	18	18	13	18	9
11	20	21	23	24	23	23	24	23	19	17	16	15	14	14	15	15	14	13	16	19	20	22	24	26	19	26	13
12	27	28	30	31	32	33	33	29	22	18	16	13	7	6	5	7	7	7	9	11	12	13	14	15	18	33	5
13	15	16	18	18	20	22	22	20	15	11	10	10	9	9	10	10	10	11	13	15	17	18	19	20	15	22	9
14	22	23	26	27	28	29	31	27	21	17	15	14	13	12	9	8	8	10	12	15	16	18	19	20	18	31	8
15	20	10	7	6	9	8	6	6	5	7	7	7	6	5	5	5	5	6	7	9	9	10	11	14	8	20	5
16	15	15	16	15	15	15	16	15	13	13	13	13	14	14	13	13	13	14	18	20	22	23	24	24	16	24	13
17	25	26	27	28	28	30	31	28	24	21	20	18	17	16	15	15	16	18	23	26	27	29	30	30	24	31	15
18	32	32	33	35	36	39	40	38	29	25	22	19	16	13	11	11	11	13	15	16	17	18	19	20	23	40	11
19	21	22	23	25	26	25	26	22	21	20	19	17	15	14	13	13	13	14	16	18	20	22	24	26	20	26	13
20	29	31	32	34	35	34	33	29	23	21	19	19	17	15	18	20	20	23	26	27	30	32	35	37	27	37	15
21	39	40	42	43	44	46	49	47	38	34	31	28	27	26	25	24	23	22	25	29	31	33	36	37	34	49	22
22	39	27	31	32	26	30	38	32	23	14	11	10	10	8	7	6	6	8	11	13	14	15	15	16	18	39	6
23	14	16	15	19	20	21	21	19	15	12	10	10	9	8	8	8	8	8	10	12	13	13	12	13	13	21	8
24	12	13	13	11	12	12	12	12	11	10	11	10	9	8	8	9	9	9	12	13	15	17	19	18	12	19	8
25	18	19	19	19	19	20	20	19	16	15	13	12	11	10	10	10	10	11	13	15	16	18	20	21	15	21	10
26	22	24	25	27	29	30	31	28	22	17	15	14	13	12	11	10	10	12	14	16	18	20	21	22	19	31	10
27	23	24	25	26	25	26	27	23	16	15	12	11	11	11	10	9	9	11	13	15	16	18	17	20	17	27	9
28	20	21	19	17	19	21	21	20	17	14	12	10	9	9	10	10	10	10	13	14	16	17	16	18	15	21	9
29	18	17	17	19	20	21	21	18	16	14	12	11	10	9	9	9	10	12	15	17	18	20	21	22	16	22	9
30	24	25	25	26	26	27	29	27	22	23	21	19	16	15	14	15	15	15	18	20	21	24	27	30	22	30	14
31	41	49	63	62	55	58	71	60	43	32	28	25	25	23	22	19	21	23	26	31	30	30	31	32	37	71	19
Avg	22	23	24	25	25	26	27	24	19	17	15	14	13	12	12	11	11	12	15	17	18	19	20	22	18	--	--
Max	41	49	63	62	55	58	71	60	43	34	31	28	27	26	25	24	23	23	26	31	31	33	36	37	--	71	--
Min	9	10	7	6	8	8	6	6	5	7	6	6	6	5	5	5	5	5	7	8	8	8	8	8	--	--	5

SAROAD for Resolution, Far_West
"Component, Channel: Table100, RH_Percent"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	35	38	40	42	50	46	43	42	36	34	31	33	31	26	24	23	23	23	27	29	31	33	36	39	34	50	23
2	44	47	51	52	54	57	61	61	48	42	40	39	37	34	36	34	31	32	36	39	46	49	49	51	45	61	31
3	53	55	55	56	58	60	61	57	46	40	34	34	33	30	29	28	29	30	31	30	32	32	36	36	41	61	28
4	36	36	37	38	39	39	39	40	41	34	32	32	28	24	23	21	21	23	30	38	42	43	43	45	34	45	21
5	46	48	50	52	51	51	53	53	48	49	47	45	41	36	32	33	30	30	34	35	37	41	45	49	43	53	30
6	51	53	54	54	54	54	53	50	45	37	31	27	25	24	23	22	23	25	26	28	29	30	31	32	37	54	22
7	32	33	35	37	39	39	39	39	38	33	30	29	30	30	29	29	30	31	34	35	37	39	40	40	35	40	29
8	43	53	72	76	78	79	79	78	64	53	48	45	40	36	33	31	31	33	38	41	43	45	47	48	51	79	31
9	47	48	47	51	53	56	57	55	42	35	30	26	25	24	23	22	23	28	33	36	39	42	42	44	39	57	22
10	46	46	48	50	53	56	54	53	43	34	29	25	23	21	21	20	22	26	30	33	35	37	37	39	37	56	20
11	40	43	42	42	44	44	46	42	34	26	23	20	18	15	14	14	14	16	18	21	23	24	25	25	28	46	14
12	26	26	25	28	27	28	28	27	24	18	14	13	13	12	11	11	12	14	17	19	21	22	22	24	20	28	11
13	25	26	27	28	29	29	31	29	25	20	16	16	16	15	14	15	15	16	18	20	23	24	25	26	22	31	14
14	26	27	28	30	29	29	30	29	24	18	15	14	13	12	12	11	13	15	17	19	21	22	23	24	21	30	11
15	25	26	27	29	30	30	31	28	22	19	16	14	12	10	10	11	11	14	16	17	18	19	20	21	20	31	10
16	22	23	24	23	23	23	25	24	19	15	13	11	10	9	9	9	10	12	15	17	18	19	20	21	17	25	9
17	21	22	24	26	26	26	25	24	21	17	14	14	15	17	18	18	19	20	21	23	24	26	28	31	22	31	14
18	36	38	41	43	45	46	36	34	28	20	16	14	14	18	17	15	13	13	11	11	9	8	10	10	23	46	8
19	10	11	12	17	20	20	17	17	15	13	13	11	9	9	9	9	9	9	9	12	14	16	16	15	13	20	9
20	16	17	21	23	22	23	24	25	20	17	16	15	13	13	13	12	14	17	19	20	21	22	24	25	19	25	12
21	26	27	29	30	31	30	30	31	25	21	18	16	16	14	12	14	16	19	20	22	23	24	25	25	23	31	12
22	24	27	28	28	22	17	13	14	15	11	10	9	9	8	8	8	9	11	12	12	13	14	16	18	15	28	8
23	21	22	24	24	25	28	28	27	23	20	17	16	15	15	15	14	15	18	21	24	26	27	28	30	22	30	14
24	31	32	30	32	35	37	36	34	29	20	17	14	13	13	13	13	14	16	19	21	24	25	26	27	24	37	13
25	28	29	30	32	33	35	36	34	28	22	19	17	16	16	15	15	16	18	21	24	27	28	29	29	25	36	15
26	30	32	34	36	36	33	33	30	25	20	17	15	13	11	11	11	11	14	18	20	22	22	23	23	22	36	11
27	24	24	26	26	28	28	28	29	23	16	11	10	10	12	12	13	16	19	21	21	22	25	28	34	21	34	10
28	38	42	45	47	49	51	52	52	42	35	28	25	23	21	19	20	20	23	26	28	30	31	32	32	34	52	19
29	32	32	30	30	31	31	32	33	29	25	20	16	13	12	13	15	16	20	21	19	19	21	22	23	23	33	12
30	24	24	26	28	27	27	26	24	24	22	18	19	20	19	19	21	27	25	26	27	26	23	24	25	24	28	18
Avg	32	34	35	37	38	38	38	37	32	26	23	21	20	19	18	18	18	20	23	25	26	28	29	30	28	--	--
Max	53	55	72	76	78	79	79	78	64	53	48	45	41	36	36	34	31	33	38	41	46	49	49	51	--	79	--
Min	10	11	12	17	20	17	13	14	15	11	10	9	9	8	8	8	9	9	9	11	9	8	10	10	--	--	8

SAROAD for Resolution, Far_West
"Component, Channel: Table100, RH_Percent"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	26	28	29	30	31	32	32	32	31	40	34	30	27	23	20	22	24	28	32	35	34	35	34	35	30	40	20
2	34	35	31	32	33	33	30	31	31	26	19	16	17	17	15	15	16	18	21	24	25	26	25	26	25	35	15
3	28	30	32	35	36	36	37	38	33	28	25	23	23	24	24	24	25	28	31	33	36	38	39	41	31	41	23
4	43	45	46	47	50	52	53	55	47	39	36	34	33	33	32	32	32	34	37	36	33	33	32	32	39	55	32
5	36	35	37	38	39	35	35	34	32	26	24	24	23	25	26	24	24	28	29	30	31	30	40	42	31	42	23
6	38	26	21	21	22	24	23	23	22	19	21	20	21	22	22	22	19	16	9	7	7	7	8	8	19	38	7
7	6	7	8	9	9	9	11	11	12	11	10	9	8	8	7	6	5	6	8	9	10	11	12	13	9	13	5
8	14	15	15	16	16	18	21	22	20	16	13	12	12	11	11	11	12	14	16	17	17	18	19	21	16	22	11
9	22	24	24	25	26	25	26	26	20	15	11	10	9	9	9	8	9	11	12	13	14	14	14	14	16	26	8
10	14	14	13	12	12	13	12	11	11	8	7	6	6	6	6	6	6	6	6	8	8	9	10	11	9	14	6
11	11	11	11	10	10	10	11	12	11	8	7	7	7	8	8	8	8	8	9	11	11	10	11	12	10	12	7
12	13	13	14	12	8	7	10	10	10	8	7	6	5	5	5	6	6	7	8	8	7	8	8	9	8	14	5
13	11	12	12	12	14	15	15	15	11	9	9	9	9	9	9	9	10	11	12	13	15	16	17	18	12	18	9
14	19	20	21	21	23	24	25	25	22	17	15	14	14	12	11	12	13	17	19	18	18	19	19	20	18	25	11
15	19	20	20	18	17	18	20	20	19	18	17	16	15	13	12	12	12	14	16	18	19	19	19	20	17	20	12
16	21	22	25	23	23	24	26	28	22	16	14	12	12	12	12	12	13	15	17	19	21	23	24	25	19	28	12
17	28	30	36	62	86	85	85	75	80	85	73	60	55	60	60	52	54	60	61	62	63	64	67	66	63	86	28
18	69	73	76	74	76	84	84	85	80	68	60	60	53	50	47	42	42	56	65	72	73	72	72	76	67	85	42
19	77	77	78	78	80	84	85	87	79	70	57	47	43	41	39	36	39	47	55	60	63	60	63	64	63	87	36
20	63	59	60	69	59	55	61	60	54	40	33	29	28	26	25	27	30	37	43	43	42	43	40	38	44	69	25
21	38	40	42	48	55	59	61	57	41	37	31	30	27	26	21	21	21	22	26	31	29	29	32	35	36	61	21
22	36	40	43	41	42	43	45	47	40	29	25	23	21	22	21	21	21	25	29	32	34	35	37	39	33	47	21
23	41	43	43	45	44	42	44	43	40	31	27	26	24	21	20	20	24	30	34	37	36	38	38	38	34	45	20
24	38	40	39	38	37	37	35	37	33	27	22	20	16	15	14	14	16	18	22	25	28	30	29	30	27	40	14
25	30	33	35	33	30	31	32	30	27	25	17	14	13	12	13	14	16	19	23	26	25	25	25	24	24	35	12
26	25	28	27	29	27	25	24	25	23	17	14	14	12	11	11	11	12	15	17	20	21	23	23	22	20	29	11
27	22	22	21	23	23	23	25	24	23	20	16	14	12	12	13	12	13	16	20	22	23	24	25	25	20	25	12
28	26	27	28	30	31	34	32	31	28	21	17	15	13	12	11	11	13	15	18	19	21	22	22	23	22	34	11
29	24	24	25	24	24	25	24	23	20	15	14	12	11	9	8	8	9	12	14	17	18	20	20	21	17	25	8
30	22	23	25	26	25	24	24	25	22	16	13	11	10	9	9	9	9	12	14	17	18	19	19	20	18	26	9
31	20	20	20	20	20	21	21	22	21	17	15	13	11	10	11	12	13	15	17	19	19	18	20	20	17	22	10
Avg	29	30	31	32	33	34	34	34	31	27	23	21	19	18	18	17	18	21	24	26	26	27	28	29	26	--	--
Max	77	77	78	78	86	85	85	87	80	85	73	60	55	60	60	52	54	60	65	72	73	72	72	76	--	87	--
Min	6	7	8	9	8	7	10	10	10	8	7	6	5	5	5	6	5	6	6	7	7	7	8	8	--	--	5

SAROAD for Resolution, Far_West
"Component, Channel: Table100, SR_Wm2_2m"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	28.4	221	460	670	822	915	939	881	748	559	328	98.7	0.719	0	0	0	0	0	278	939	0
2	0	0	0	0	0	0	26	217	457	667	828	915	931	877	747	551	322	92.7	0.457	0	0	0	0	0	276	931	0
3	0	0	0	0	0	0	25.9	215	451	662	822	914	938	877	746	553	315	92.4	0.211	0	0	0	0	0	275	938	0
4	0	0	0	0	0	0	22	201	430	636	792	880	901	844	719	532	302	84.3	0.141	0	0	0	0	0	264	901	0
5	0	0	0	0	0	0	8.5	98.2	328	632	774	862	881	825	697	511	288	75.7	0.0822	0	0	0	0	0	249	881	0
6	0	0	0	0	0	0	21.4	207	446	658	821	912	935	878	747	553	314	80.1	0	0	0	0	0	0	274	935	0
7	0	0	0	0	0	0	21.7	209	454	668	828	921	940	877	745	550	312	75.6	0	0	0	0	0	0	275	940	0
8	0	0	0	0	0	0	20.7	207	446	660	820	909	929	863	725	527	288	68.3	0	0	0	0	0	0	269	929	0
9	0	0	0	0	0	0	17.3	186	415	619	770	861	876	819	688	500	271	60	0	0	0	0	0	0	254	876	0
10	0	0	0	0	0	0	17.4	194	429	635	787	872	888	734	643	503	267	63.1	0	0	0	0	0	0	251	888	0
11	0	0	0	0	0	0	17	174	417	618	741	846	860	799	673	487	265	55.2	0	0	0	0	0	0	248	860	0
12	0	0	0	0	0	0	13.5	185	419	628	780	868	890	850	694	499	274	56.9	0	0	0	0	0	0	257	890	0
13	0	0	0	0	0	0	15.1	182	411	618	765	846	860	805	676	489	257	51.4	0	0	0	0	0	0	249	860	0
14	0	0	0	0	0	0	14.4	181	411	619	769	854	872	817	690	496	266	53.6	0	0	0	0	0	0	252	872	0
15	0	0	0	0	0	0	13	179	423	628	781	863	877	814	683	486	256	48.7	0	0	0	0	0	0	252	877	0
16	0	0	0	0	0	0	12.1	173	399	599	750	833	849	787	657	463	237	41.6	0	0	0	0	0	0	242	849	0
17	0	0	0	0	0	0	12.3	160	381	576	702	758	797	645	525	343	187	29	0	0	0	0	0	0	213	797	0
18	0	0	0	0	0	0	5.12	153	385	539	738	816	837	697	592	340	265	20.8	0	0	0	0	0	0	224	837	0
19	0	0	0	0	0	0	14.7	95.8	131	231	166	382	661	701	584	496	220	24.6	0	0	0	0	0	0	155	701	0
20	0	0	0	0	0	0	9.17	154	376	579	728	807	817	759	626	441	214	31.1	0	0	0	0	0	0	231	817	0
21	0	0	0	0	0	0	8.06	119	348	548	698	789	803	747	618	438	208	28.5	0	0	0	0	0	0	223	803	0
22	0	0	0	0	0	0	8.34	156	377	579	733	816	823	759	630	443	222	32.1	0	0	0	0	0	0	232	823	0
23	0	0	0	0	0	0	8.23	159	384	588	737	817	829	767	636	444	217	29.8	0	0	0	0	0	0	234	829	0
24	0	0	0	0	0	0	6.38	137	365	572	719	798	810	750	618	433	210	27.2	0	0	0	0	0	0	227	810	0
25	0	0	0	0	0	0	5.22	143	366	568	714	791	802	741	608	418	195	23.7	0	0	0	0	0	0	224	802	0
26	0	0	0	0	0	0	5.3	128	352	555	705	785	799	738	608	421	199	23.1	0	0	0	0	0	0	222	799	0
27	0	0	0	0	0	0	4.62	136	354	558	703	784	793	731	603	419	199	23.5	0	0	0	0	0	0	221	793	0
28	0	0	0	0	0	0	2.66	128	345	547	693	771	780	717	587	403	187	19.8	0	0	0	0	0	0	216	780	0
29	0	0	0	0	0	0	2.91	129	346	542	685	761	778	717	585	402	185	18.3	0	0	0	0	0	0	215	778	0
30	0	0	0	0	0	0	4.27	127	357	298	335	264	688	676	456	203	145	29.7	0	0	0	0	0	0	149	688	0
31	0	0	0	0	0	0	2.69	116	305	542	662	747	730	516	473	263	106	8.34	0	0	0	0	0	0	186	747	0
Avg	0	0	0	0	0	0	12.7	163	386	582	722	805	842	774	646	457	243	47.4	0.0519	0	0	0	0	0	237	--	--
Max	0	0	0	0	0	0	28.4	221	460	670	828	921	940	881	748	559	328	98.7	0.719	0	0	0	0	0	--	940	--
Min	0	0	0	0	0	0	2.66	95.8	131	231	166	264	661	516	456	203	106	8.34	0	0	0	0	0	0	--	--	0

SAROAD for Resolution, Far_West
"Component, Channel: Table100, SR_Wm2_2m"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	1.9	70.3	313	533	669	750	765	702	569	386	169	15.4	0	0	0	0	0	0	206	765	0
2	0	0	0	0	0	0	1.51	111	313	511	665	743	754	692	556	377	168	15.1	0	0	0	0	0	0	204	754	0
3	0	0	0	0	0	0	1.88	114	213	412	650	615	617	574	470	274	94	6.13	0	0	0	0	0	0	168	650	0
4	0	0	0	0	0	0	0.409	52.6	183	248	298	330	710	506	635	346	131	17	0	0	0	0	0	0	144	710	0
5	0	0	0	0	0	0	0.509	89.7	312	499	649	709	749	712	465	150	182	15.9	0	0	0	0	0	0	189	749	0
6	0	0	0	0	0	0	0.363	52	156	414	564	713	725	603	564	366	197	3.57	0	0	0	0	0	0	182	725	0
7	0	0	0	0	0	0	0.0627	36.6	132	210	327	435	467	334	278	126	48.9	2.87	0	0	0	0	0	0	99.8	467	0
8	0	0.0747	0	0	0	0	0.663	92	290	483	632	715	731	636	512	356	119	8.58	0	0	0	0	0	0	191	731	0
9	0	0	0	0	0	0	0.365	93.3	294	484	635	718	735	674	545	362	151	9.07	0	0	0	0	0	0	196	735	0
10	0	0	0	0	0	0	0.438	92.9	293	476	624	642	740	667	538	356	143	5.6	0	0	0	0	0	0	191	740	0
11	0	0	0	0	0	0	0.193	77.2	290	480	625	710	728	672	540	355	147	7.21	0	0	0	0	0	0	193	728	0
12	0	0	0	0	0	0	0.118	47.6	168	458	546	668	741	649	534	331	103	4.09	0	0	0	0	0	0	177	741	0
13	0	0	0	0	0	0	0.534	48	203	442	474	509	485	471	402	323	137	2.71	0	0	0	0	0	0	146	509	0
14	0	0	0	0	0	0	0.0483	86.3	189	468	617	681	706	660	456	302	129	7.39	0	0	0	0	0	0	179	706	0
15	0	0	0	0	0	0	0.0397	50.9	265	365	620	622	714	569	408	289	76.4	3.24	0	0	0	0	0	0	166	714	0
16	0	0	0	0	0	0	0.0925	75.9	270	455	594	683	699	653	543	330	133	4.78	0	0	0	0	0	0	185	699	0
17	0	0	0	0	0	0	0.227	57.2	128	288	422	488	641	461	275	138	50	2.27	0	0	0	0	0	0	123	641	0
18	0	0	0	0	0	0	0	69.1	274	470	618	700	713	651	526	344	137	5.41	0	0	0	0	0	0	188	713	0
19	0	0	0	0	0	0	0	69.1	271	468	617	700	713	651	521	339	129	4.42	0	0	0	0	0	0	187	713	0
20	0	0	0	0	0	0	0	68.2	250	341	480	664	654	579	462	287	85.4	3.46	0	0	0	0	0	0	161	664	0
21	0	0	0	0	0	0	0	52.9	222	390	523	633	665	585	436	193	66.9	2.65	0	0	0	0	0	0	157	665	0
22	0	0	0	0	0	0	0	47.8	225	434	583	664	681	620	494	319	119	3.21	0	0	0	0	0	0	175	681	0
23	0	0	0	0	0	0	0	60.7	240	437	585	669	686	627	500	324	125	4.15	0	0	0	0	0	0	177	686	0
24	0	0	0	0	0	0	0	57.5	245	431	573	655	670	613	491	315	119	2.97	0	0	0	0	0	0	174	670	0
25	0	0	0	0	0	0	0	53.4	236	421	570	654	673	615	492	315	119	2.64	0	0	0	0	0	0	173	673	0
26	0	0	0	0	0	0	0	48.3	232	423	573	645	664	609	484	321	120	3.29	0	0	0	0	0	0	172	664	0
27	0	0	0	0	0	0	0	51.6	236	425	572	661	684	619	377	128	41.1	0.377	0	0	0	0	0	0	158	684	0
28	0	0	0	0	0	0	0	43.9	228	418	563	651	661	580	478	183	63.6	2.35	0	0	0	0	0	0	161	661	0
29	0	0	0	0	0	0	0	20.2	161	198	427	415	572	376	291	196	43.4	0.949	0	0	0	0	0	0	113	572	0
30	0	0	0	0	0	0	0	10.2	49.4	165	208	226	216	174	131	93.9	31.2	0.474	0	0	0	0	0	0	54.4	226	0
Avg	0	0.0025	0	0	0	0	0.312	63.4	229	408	550	622	665	584	466	284	113	5.57	0	0	0	0	0	0	166	--	--
Max	0	0.0747	0	0	0	0	1.9	114	313	533	669	750	765	712	635	386	197	17	0	0	0	0	0	0	--	765	--
Min	0	0	0	0	0	0	0	10.2	49.4	165	208	226	216	174	131	93.9	31.2	0.377	0	0	0	0	0	0	--	--	0

SAROAD for Resolution, Far_West
"Component, Channel: Table100, SR_Wm2_2m"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	0	11.8	37.2	59.9	117	128	172	216	228	104	47.5	1.33	0	0	0	0	0	0	46.8	228	0
2	0	0	0.0608	0	0	0	0	7.33	92.1	437	506	530	574	453	471	267	97.5	2.17	0	0	0	0	0	0	143	574	0
3	0	0	0	0	0	0	0	33	194	340	478	579	617	599	348	233	85.5	1.4	0	0	0	0	0	0	146	617	0
4	0	0	0	0	0	0	0	25	189	349	523	619	644	515	398	209	84.4	2.44	0	0	0	0	0	0	148	644	0
5	0	0	0	0	0	0	0	2.06	23.9	69.5	127	106	86.7	94.6	142	102	39	3.78	0	0	0	0	0	0	33.2	142	0
6	0	0	0	0	0	0	0	28.8	203	388	534	624	642	589	474	300	112	3.58	0	0	0	0	0	0	162	642	0
7	0	0	0	0	0	0	0	35.6	222	418	568	653	672	620	499	324	126	4.84	0	0	0	0	0	0	173	672	0
8	0	0	0	0	0	0	0	34.3	210	396	540	629	650	601	481	307	117	3.55	0	0	0	0	0	0	165	650	0
9	0	0	0	0	0	0	0	33.3	207	395	542	632	655	611	479	256	72.6	0.551	0	0	0	0	0	0	162	655	0
10	0	0	0	0	0	0	0	11.7	139	339	483	438	536	299	270	198	60.2	1.52	0	0	0	0	0	0	116	536	0
11	0	0	0	0	0	0	0	16	110	364	597	704	547	338	597	348	130	0.713	0	0	0	0	0	0	156	704	0
12	0	0	0	0	0	0	0	13.8	79	329	487	542	425	365	291	204	75	2.3	0	0	0	0	0	0	117	542	0
13	0	0	0	0	0	0	0	26.1	195	387	534	625	648	597	481	311	120	3.81	0	0	0	0	0	0	164	648	0
14	0	0	0	0	0	0	0	11.8	176	367	515	603	622	573	459	288	103	3.4	0	0	0	0	0	0	155	622	0
15	0	0	0	0	0	0	0	22.9	188	380	525	613	634	588	475	307	116	3.51	0	0	0	0	0	0	160	634	0
16	0	0	0	0	0	0	0	23.9	108	214	208	266	274	345	431	168	54.3	3.02	0	0	0	0	0	0	87.3	431	0
17	0	0	0	0	0.078	0.831	0.321	5	42.1	144	271	293	212	127	169	191	56	2.42	0	0	0	0	0	0	63.1	293	0
18	0	0	0	0	0	0	0	7.37	156	356	461	597	623	581	469	304	118	4.7	0	0	0	0	0	0	153	623	0
19	0	0	0	0	0	0	0	17	162	348	502	599	629	586	471	307	114	4.11	0	0	0	0	0	0	156	629	0
20	0	0	0	0	0	0	0	19.1	170	358	513	606	634	594	481	316	122	4.57	0	0	0	0	0	0	159	634	0
21	0	0	0	0	0	0	0	5.2	144	361	531	627	659	619	504	333	134	6.38	0	0	0	0	0	0	163	659	0
22	0	0	0	0	0	0	0	18.2	172	364	518	617	650	608	495	319	130	4.68	0	0	0	0	0	0	162	650	0
23	0	0	0	0	0	0	0	11.1	115	271	345	432	362	426	407	175	73.1	2.91	0	0	0	0	0	0	109	432	0
24	0	0	0	0	0	0	0	17.4	163	353	506	605	640	590	495	259	164	6.45	0	0	0	0	0	0	158	640	0
25	0	0	0	0	0	0	0	19.1	126	291	515	544	589	499	313	191	158	11.6	0	0	0	0	0	0	136	589	0
26	0	0	0	0	0	0	0	15.4	166	358	507	609	643	520	415	230	70.8	2.32	0	0	0	0	0	0	147	643	0
27	0	0	0	0	0	0	0	11.3	106	337	532	574	618	554	437	265	103	3.05	0	0	0	0	0	0	148	618	0
28	0	0	0	0	0	0	0	16	168	361	523	621	652	616	509	342	142	8.3	0	0	0	0	0	0	165	652	0
29	0	0	0	0	0	0	0	16.3	167	358	517	620	655	619	511	345	147	9.14	0	0	0	0	0	0	165	655	0
30	0	0	0	0	0	0	0	16.3	166	355	516	619	656	622	512	346	148	9.41	0	0	0	0	0	0	165	656	0
31	0	0	0	0	0	0	0	10.7	97.1	292	315	490	405	354	257	217	70.3	6.74	0	0	0	0	0	0	105	490	0
Avg	0	0	0.002	0	0.0025	0.0268	0.0103	17.5	145	327	463	540	549	494	418	260	103	4.15	0	0	0	0	0	0	138	--	--
Max	0	0	0.0608	0	0.078	0.831	0.321	35.6	222	437	597	704	672	622	597	348	164	11.6	0	0	0	0	0	0	--	704	--
Min	0	0	0	0	0	0	0	2.06	23.9	59.9	117	106	86.7	94.6	142	102	39	0.551	0	0	0	0	0	0	--	--	0

SAROAD for Resolution, Far_West
"Component, Channel: Table100, Temp_2m_C"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	21.2	20.4	19.5	19.2	18.8	18.2	18.3	21.6	26.4	28.5	30.1	31.1	32.3	33.1	33.6	34.3	34.5	33.7	30.6	28.3	27.0	25.0	24.5	24.2	26.4	34.5	18.2
2	23.1	23.7	23.0	22.4	21.2	21.0	20.0	22.4	25.8	27.0	28.1	28.9	29.9	31.6	32.0	31.5	31.2	30.0	28.1	26.2	24.3	22.8	21.6	20.4	25.7	32.0	20.0
3	19.7	19.1	18.7	17.8	17.6	17.8	17.4	21.0	25.9	28.6	29.9	31.6	33.2	33.9	34.5	34.8	34.9	33.8	30.5	27.9	25.1	24.3	24.5	23.0	26.1	34.9	17.4
4	22.8	21.8	21.3	20.5	20.0	19.6	20.0	23.3	27.5	30.5	32.0	33.3	34.3	35.2	35.7	35.7	35.4	34.2	31.6	29.2	28.7	28.7	28.3	27.4	28.2	35.7	19.6
5	26.1	25.6	25.7	25.6	25.0	24.0	24.5	25.7	28.0	30.5	32.1	33.4	34.6	35.3	35.5	35.4	34.9	34.1	31.9	29.9	28.7	27.7	25.9	24.6	29.4	35.5	24.0
6	24.1	22.7	21.9	21.5	20.8	20.2	18.9	21.5	26.0	28.3	30.3	31.6	32.3	32.9	33.5	33.7	33.2	31.9	28.9	25.2	22.6	21.1	21.5	20.5	26.1	33.7	18.9
7	20.1	22.3	23.6	23.8	23.5	23.3	19.5	21.6	25.2	27.7	29.4	30.8	32.0	32.8	33.5	33.7	33.1	31.6	28.0	23.8	21.0	20.7	20.3	19.3	25.9	33.7	19.3
8	19.1	18.4	17.7	16.4	14.8	15.9	15.6	19.6	24.3	28.3	29.2	30.5	31.3	32.1	32.8	33.1	33.0	31.9	28.5	24.6	21.5	21.9	22.2	22.2	24.4	33.1	14.8
9	21.5	20.2	19.7	19.3	19.1	17.4	17.0	19.1	22.7	24.4	25.7	26.5	27.4	28.1	28.8	29.2	29.3	28.3	25.7	24.8	24.0	23.0	22.6	22.2	23.6	29.3	17.0
10	21.5	21.0	20.7	20.5	20.0	19.8	19.8	21.2	24.0	26.4	28.0	29.0	30.1	30.9	31.3	31.8	31.7	30.9	28.8	27.2	26.1	25.8	25.5	25.8	25.7	31.8	19.8
11	25.1	24.1	23.4	22.8	23.5	23.8	23.0	24.6	27.3	29.3	31.0	32.5	33.6	34.4	34.6	34.4	34.2	33.3	30.3	28.0	26.6	24.5	22.7	21.9	27.9	34.6	21.9
12	20.9	20.4	19.5	19.1	19.0	18.7	18.5	21.1	25.5	28.8	30.1	31.4	32.2	32.9	33.1	33.3	32.9	31.4	28.1	25.5	24.0	22.2	21.1	21.0	25.4	33.3	18.5
13	21.1	19.7	18.3	18.4	17.2	16.9	17.3	19.6	25.0	28.5	30.0	31.2	32.1	33.2	33.4	33.5	33.1	31.6	28.5	26.9	24.9	23.2	22.0	21.4	25.3	33.5	16.9
14	20.2	19.6	18.2	17.9	17.3	17.3	17.0	19.9	24.4	27.3	29.3	30.7	31.6	31.9	32.3	32.8	32.2	30.6	27.6	24.9	22.5	21.6	21.0	20.6	24.5	32.8	17.0
15	19.8	22.8	24.5	24.9	21.6	22.4	24.1	25.0	27.1	28.3	29.2	30.5	32.3	33.6	34.6	34.9	34.5	32.8	29.0	27.1	26.3	23.9	23.8	24.2	27.4	34.9	19.8
16	24.5	24.7	24.1	24.6	24.8	24.5	24.4	25.8	28.0	29.0	31.6	32.6	33.5	34.4	34.8	35.1	35.0	33.9	31.3	29.6	28.1	28.2	27.7	27.8	29.1	35.1	24.1
17	27.4	27.1	26.5	25.9	25.8	25.2	24.4	26.7	29.3	31.3	32.6	33.5	34.7	35.2	35.3	35.3	34.6	33.2	30.7	28.0	26.2	24.8	24.7	23.8	29.3	35.3	23.8
18	23.1	23.1	22.6	22.0	21.2	19.8	19.2	20.8	25.5	28.4	30.2	32.1	33.4	34.3	34.5	34.2	34.0	32.4	30.6	29.1	28.0	27.2	26.6	24.9	27.4	34.5	19.2
19	24.0	22.9	21.4	20.1	20.1	21.2	21.1	23.8	25.1	27.0	28.0	29.6	31.2	32.2	33.0	33.3	32.8	31.2	28.2	26.2	24.9	22.7	21.9	21.2	26.0	33.3	20.1
20	20.5	19.6	18.9	18.0	17.7	17.7	17.1	19.5	24.2	26.1	27.5	28.4	29.3	30.1	30.2	30.3	29.9	27.9	25.9	24.3	22.9	21.1	19.5	18.5	23.5	30.3	17.1
21	18.7	18.2	17.1	16.5	16.4	15.3	14.4	15.7	19.3	21.4	22.8	24.0	25.3	26.0	26.6	26.9	26.8	25.9	24.2	22.2	20.1	18.7	18.6	18.1	20.8	26.9	14.4
22	16.5	18.2	17.5	16.4	14.8	12.9	12.7	15.5	20.9	23.9	26.3	28.0	29.0	30.1	31.3	31.9	31.6	29.4	26.8	23.8	21.0	20.4	19.7	19.0	22.4	31.9	12.7
23	20.2	18.8	19.8	16.2	14.6	14.2	14.1	16.3	22.0	25.2	27.3	29.3	31.0	32.5	33.7	34.4	33.9	31.8	27.8	25.0	23.9	24.4	25.6	24.0	24.4	34.4	14.1
24	25.2	24.7	25.5	26.6	25.5	26.5	25.8	26.5	28.4	30.3	31.3	32.8	34.0	34.8	34.8	34.6	34.1	32.2	29.6	28.6	27.3	25.7	24.4	24.7	28.9	34.8	24.4
25	24.9	24.1	23.7	22.9	23.3	22.5	22.2	23.6	26.5	27.9	29.6	31.0	32.1	32.8	33.1	33.2	33.1	31.8	28.4	26.5	25.2	23.7	21.8	21.1	26.9	33.2	21.1
26	20.3	19.2	18.3	17.5	16.1	15.5	15.7	17.9	22.5	26.5	27.9	29.1	30.1	31.2	31.7	31.7	31.1	29.0	26.2	22.4	20.4	20.2	19.6	19.0	23.3	31.7	15.5
27	18.1	16.9	16.3	15.9	16.0	15.2	14.5	17.3	23.0	24.6	27.2	28.8	29.8	30.4	30.8	31.1	30.5	28.4	25.5	23.1	21.7	20.1	20.8	18.9	22.7	31.1	14.5
28	18.5	18.0	18.7	20.9	20.4	19.0	18.6	20.0	22.9	26.1	27.9	29.5	30.2	31.0	31.0	30.9	30.5	28.8	25.6	23.0	20.8	20.8	22.5	20.3	24.0	31.0	18.0
29	20.2	21.4	21.8	20.5	19.1	18.5	19.5	22.2	25.0	27.0	28.4	29.7	30.9	31.3	31.5	31.7	31.1	29.0	25.7	22.8	20.4	20.1	19.7	18.7	24.4	31.7	18.5
30	17.5	16.9	16.6	16.3	16.5	15.8	15.6	17.7	23.0	24.9	25.4	25.9	27.1	27.9	28.7	28.2	28.3	27.3	24.5	21.7	21.6	21.7	18.9	18.6	21.9	28.7	15.6
31	19.8	19.7	17.9	17.2	15.9	14.8	14.1	15.9	19.9	23.1	24.3	25.2	25.4	25.4	25.5	25.3	24.8	23.7	21.6	20.1	19.4	18.5	18.1	17.6	20.6	25.5	14.1
Avg	21.5	21.1	20.7	20.3	19.6	19.2	18.8	21.0	24.9	27.3	28.8	30.1	31.2	32.0	32.4	32.6	32.3	30.8	28.0	25.7	24.0	23.1	22.5	21.8	25.4	--	--
Max	27.4	27.1	26.5	26.6	25.8	26.5	25.8	26.7	29.3	31.3	32.6	33.5	34.7	35.3	35.7	35.7	35.4	34.2	31.9	29.9	28.7	28.7	28.3	27.8	--	35.7	--
Min	16.5	16.9	16.3	15.9	14.6	12.9	12.7	15.5	19.3	21.4	22.8	24.0	25.3	25.4	25.5	25.3	24.8	23.7	21.6	20.1	19.4	18.5	18.1	17.6	--	--	12.7

SAROAD for Resolution, Far_West
"Component, Channel: Table100, Temp_2m_C"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	16.6	16.1	15.8	15.1	14.6	15.4	14.7	15.4	18.3	22.1	23.8	25.2	25.6	26.3	26.6	26.9	26.6	25.4	22.8	20.3	19.4	17.6	16.5	15.8	20.1	26.9	14.6
2	15.4	15.3	15.1	14.8	14.4	14.4	14.1	15.4	19.3	21.1	22.4	23.5	24.3	24.9	25.1	25.3	25.4	24.2	21.6	19.8	18.9	18.6	18.0	16.9	19.5	25.4	14.1
3	15.8	14.9	14.7	14.7	14.3	13.8	13.9	15.5	19.2	21.7	24.2	25.2	25.7	26.2	26.4	26.3	25.7	24.5	23.0	22.6	22.2	21.5	19.9	19.9	20.5	26.4	13.8
4	19.8	19.2	19.3	18.7	18.4	18.4	18.2	18.1	20.1	22.4	23.4	24.3	25.8	26.6	27.4	27.3	26.8	25.8	24.1	22.0	20.4	19.2	19.1	18.3	21.8	27.4	18.1
5	17.8	17.3	17.0	17.1	17.6	17.5	17.0	16.7	19.8	21.0	22.2	23.0	23.9	24.8	25.0	24.5	24.8	23.8	22.2	20.6	19.0	17.1	15.8	15.4	20.0	25.0	15.4
6	14.6	13.9	13.6	13.7	13.5	13.2	13.6	14.5	16.6	19.9	22.4	23.8	24.9	25.6	26.0	26.0	25.7	24.2	22.8	21.6	21.4	21.2	20.3	19.7	19.7	26.0	13.2
7	19.6	18.7	18.4	17.6	17.1	17.5	17.5	18.0	19.3	22.1	23.9	24.5	25.3	25.6	25.7	25.5	25.1	23.9	22.7	21.6	20.9	20.5	20.1	19.7	21.3	25.7	17.1
8	19.4	18.8	17.3	16.4	15.8	15.2	14.5	15.0	18.2	20.7	22.0	23.0	24.2	25.2	25.9	26.1	25.8	24.3	22.2	20.4	19.3	18.2	17.8	17.5	20.1	26.1	14.5
9	18.2	18.0	18.4	16.9	15.6	14.9	14.5	15.4	19.9	22.6	25.1	27.0	27.8	28.2	28.5	28.6	28.0	25.8	22.9	20.9	19.3	18.3	17.7	16.8	21.2	28.6	14.5
10	16.6	16.3	15.5	14.8	13.5	13.1	13.1	13.2	17.2	21.1	23.9	26.2	27.4	28.3	28.6	28.5	27.9	25.6	22.9	20.8	18.9	18.4	18.1	17.0	20.3	28.6	13.1
11	16.7	15.4	15.4	14.9	13.9	13.8	12.9	14.2	18.3	22.4	24.5	26.1	27.5	28.3	28.6	28.6	28.0	25.2	22.3	20.0	18.5	17.2	16.3	15.8	20.2	28.6	12.9
12	15.7	15.4	14.4	13.1	13.3	13.0	12.5	13.4	16.0	20.6	23.8	25.3	26.9	28.4	29.1	29.4	28.7	25.8	23.3	20.7	19.0	19.0	18.9	17.8	20.1	29.4	12.5
13	16.9	16.4	16.3	16.1	15.6	15.6	15.0	16.1	19.4	23.3	25.8	26.3	27.6	28.2	28.8	29.2	28.8	26.1	23.9	21.1	19.9	18.9	18.0	17.5	21.3	29.2	15.0
14	17.3	16.3	15.5	14.4	14.1	13.6	13.4	14.0	18.0	21.7	24.6	26.5	27.9	29.0	29.1	29.0	28.1	25.4	22.3	18.8	17.7	17.2	16.6	16.1	20.3	29.1	13.4
15	15.5	14.9	14.0	12.9	12.1	12.1	11.6	13.0	17.3	20.3	22.6	25.0	26.5	27.7	28.1	28.2	27.1	24.2	22.1	20.6	19.0	18.2	17.1	16.2	19.4	28.2	11.6
16	15.1	14.4	14.2	14.2	13.8	14.0	12.3	13.3	18.1	21.5	24.2	26.2	28.0	29.1	29.5	29.3	28.8	26.1	22.8	19.5	17.9	17.7	17.3	16.7	20.2	29.5	12.3
17	16.2	15.7	14.9	14.0	13.9	14.4	15.2	16.7	19.3	21.9	24.0	24.5	26.0	26.5	26.0	25.3	25.0	23.9	22.4	21.2	20.1	19.2	17.1	16.0	20.0	26.5	13.9
18	17.1	17.1	15.4	13.7	12.8	13.6	17.3	17.4	18.4	20.2	21.9	23.4	24.2	24.7	24.7	24.7	24.0	22.0	19.8	17.7	17.8	17.8	16.8	17.7	19.2	24.7	12.8
19	17.8	17.8	17.0	13.8	12.4	11.7	14.6	17.0	19.3	21.6	23.1	24.5	25.2	25.9	26.2	26.3	25.8	23.5	22.3	19.0	17.1	15.7	16.4	17.3	19.6	26.3	11.7
20	17.2	15.7	13.1	11.2	12.4	11.8	11.3	10.8	15.3	17.4	18.8	21.0	23.0	24.4	24.8	24.9	23.9	21.2	18.9	17.1	15.6	14.8	13.7	13.2	17.1	24.9	10.8
21	12.4	11.6	10.8	10.3	10.2	10.7	10.4	10.4	13.6	17.3	19.3	21.4	23.2	24.5	25.3	24.9	23.1	21.0	19.4	17.2	16.3	15.0	14.5	14.7	16.6	25.3	10.2
22	15.2	13.3	12.4	13.0	16.3	19.0	20.9	20.1	20.2	25.1	26.7	28.1	29.1	29.6	30.0	29.9	28.9	26.3	23.3	24.2	23.0	21.3	19.9	18.3	22.2	30.0	12.4
23	17.0	17.3	17.9	18.5	17.0	15.9	15.4	14.6	18.7	22.1	24.5	26.0	26.8	27.6	28.6	29.1	28.5	25.5	22.5	20.4	18.9	18.3	17.7	16.1	21.0	29.1	14.6
24	15.4	14.7	14.7	13.5	11.9	11.0	11.9	12.9	16.2	21.4	24.4	26.4	27.6	28.2	29.0	29.2	28.5	25.9	21.9	18.9	17.6	17.9	17.6	17.2	19.7	29.2	11.0
25	16.5	15.9	15.5	14.6	14.3	13.2	12.7	13.5	17.1	21.5	24.5	26.4	27.3	28.1	28.7	28.8	28.1	25.3	21.9	18.6	18.2	17.5	16.8	16.5	20.1	28.8	12.7
26	16.0	14.7	13.6	12.5	12.4	13.3	12.5	13.1	16.5	20.9	24.0	26.2	28.1	29.6	30.5	30.6	29.8	26.3	22.6	19.4	17.7	17.3	16.0	15.8	20.0	30.6	12.4
27	15.4	14.6	13.6	14.1	12.0	12.4	12.2	12.2	16.2	22.6	26.6	28.0	28.5	28.6	28.7	27.4	25.4	23.0	20.9	20.1	18.9	16.5	16.3	16.1	19.6	28.7	12.0
28	13.6	11.5	10.1	9.5	9.0	8.2	7.9	8.0	11.8	15.9	18.3	20.2	21.6	22.7	23.2	22.5	21.4	19.2	16.4	14.4	13.8	13.6	12.8	12.6	14.9	23.2	7.9
29	12.6	13.0	13.4	12.2	11.5	11.0	10.5	10.7	13.7	16.8	20.0	22.9	25.5	26.6	26.6	25.4	24.1	22.2	20.9	20.5	20.3	19.6	18.1	18.0	18.2	26.6	10.5
30	17.4	17.1	16.9	16.4	16.0	16.1	16.7	18.2	18.1	19.6	22.8	22.9	22.3	22.5	23.1	23.2	21.1	20.4	20.0	19.7	19.4	21.4	20.6	20.0	19.7	23.2	16.0
Avg	16.4	15.7	15.1	14.4	14.0	13.9	13.9	14.6	17.6	21.0	23.3	24.8	25.9	26.7	27.1	27.0	26.3	24.2	21.9	20.0	18.9	18.2	17.4	16.9	19.8	--	--
Max	19.8	19.2	19.3	18.7	18.4	19.0	20.9	20.1	20.2	25.1	26.7	28.1	29.1	29.6	30.5	30.6	29.8	26.3	24.1	24.2	23.0	21.5	20.6	20.0	--	30.6	--
Min	12.4	11.5	10.1	9.5	9.0	8.2	7.9	8.0	11.8	15.9	18.3	20.2	21.6	22.5	23.1	22.5	21.1	19.2	16.4	14.4	13.8	13.6	12.8	12.6	--	--	7.9

SAROAD for Resolution, Far_West
"Component, Channel: Table100, Temp_2m_C"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	19.1	18.1	17.8	16.8	16.1	15.8	15.6	15.7	16.5	17.2	19.4	20.2	21.4	23.6	25.0	24.3	23.4	21.0	17.8	16.0	16.1	15.1	14.8	14.0	18.4	25.0	14.0
2	14.9	14.9	17.0	16.5	15.6	16.3	17.1	16.9	17.2	20.6	24.5	26.2	27.7	28.0	28.5	28.3	27.3	25.1	22.6	21.9	20.9	19.9	19.9	19.2	21.1	28.5	14.9
3	18.2	16.8	15.7	15.4	14.7	14.5	14.3	14.2	17.5	21.3	23.0	24.4	25.1	25.3	25.2	25.1	24.5	22.1	19.4	17.7	17.2	15.9	15.2	14.5	19.0	25.3	14.2
4	13.6	13.1	12.6	12.7	11.5	11.2	10.9	10.6	13.8	17.7	19.1	20.5	21.3	21.5	21.5	21.0	20.2	18.4	16.8	15.2	14.0	12.5	11.5	10.9	15.5	21.5	10.6
5	9.3	8.9	9.5	8.9	9.4	10.3	9.9	10.5	10.9	12.1	12.4	12.7	13.9	14.4	13.2	14.3	14.3	12.5	11.0	10.4	10.3	10.8	10.0	9.6	11.2	14.4	8.9
6	9.6	14.2	14.9	15.3	15.1	14.3	14.0	13.8	15.6	17.5	18.9	20.3	21.2	21.8	22.4	22.4	21.9	19.7	18.3	17.8	16.7	16.7	16.2	14.9	17.2	22.4	9.6
7	15.1	14.0	12.9	12.2	11.5	10.8	8.9	9.6	10.4	11.5	13.1	14.2	14.9	15.8	16.5	17.1	16.4	14.5	12.5	10.9	8.4	8.0	10.0	9.9	12.5	17.1	8.0
8	8.0	8.4	8.7	7.7	7.4	6.3	4.3	3.1	6.8	10.5	12.5	13.9	15.3	16.4	17.0	17.3	17.1	14.7	12.0	10.7	11.0	9.1	8.6	7.6	10.6	17.3	3.1
9	6.7	6.0	6.3	6.0	5.0	5.8	4.7	5.0	9.3	14.6	18.8	20.7	22.7	23.4	23.8	23.8	22.4	19.7	18.5	17.0	15.1	15.1	16.6	16.4	14.3	23.8	4.7
10	15.9	15.6	16.2	16.1	16.6	15.3	14.9	16.5	16.6	20.3	22.0	22.9	23.9	23.8	24.0	24.0	23.2	21.1	20.0	18.4	17.4	16.3	15.2	15.1	18.8	24.0	14.9
11	15.0	14.5	15.9	16.7	17.4	17.0	15.5	13.5	15.3	19.9	21.5	22.8	23.7	23.4	24.8	25.1	24.2	20.7	17.4	15.4	15.1	15.0	15.0	13.8	18.3	25.1	13.5
12	12.8	12.9	13.0	13.1	14.8	16.1	15.7	16.4	15.6	18.9	21.0	23.1	23.4	23.6	23.3	23.0	21.9	20.1	17.5	17.2	18.6	18.3	17.1	16.5	18.1	23.6	12.8
13	13.2	12.3	14.8	14.2	12.2	11.9	11.7	11.8	16.0	19.0	19.6	20.9	21.9	22.8	23.3	23.4	22.6	19.6	16.4	13.3	11.5	11.1	10.7	10.0	16.0	23.4	10.0
14	8.8	8.5	8.2	7.8	6.8	6.3	6.2	6.6	9.6	14.6	16.6	18.2	19.7	20.9	21.5	21.5	21.1	19.5	17.6	18.3	17.9	17.6	17.5	16.6	14.5	21.5	6.2
15	16.7	16.3	15.6	15.0	14.3	13.9	12.8	12.5	14.1	16.1	17.3	18.5	19.2	19.9	20.7	20.9	20.5	18.5	16.3	13.7	12.7	12.9	12.4	12.1	16.0	20.9	12.1
16	11.7	11.5	9.0	10.2	10.6	9.5	8.8	7.7	11.0	15.0	16.0	17.0	17.7	18.2	19.1	18.8	18.2	16.2	13.8	11.8	11.9	12.6	14.4	14.2	13.5	19.1	7.7
17	14.0	13.8	13.3	11.7	9.6	9.6	9.6	10.4	10.1	10.0	11.7	13.2	13.6	13.5	13.7	14.8	14.5	13.4	12.5	11.8	11.5	11.0	10.3	10.7	12.0	14.8	9.6
18	9.7	8.8	7.6	8.0	7.3	5.8	5.9	6.1	7.6	11.3	13.4	14.3	15.5	16.3	16.7	16.9	16.5	14.6	12.8	10.7	9.4	8.9	8.4	7.2	10.8	16.9	5.8
19	6.8	6.6	6.2	5.8	5.1	4.1	3.7	3.5	6.2	9.5	12.9	14.8	16.0	16.6	16.9	17.1	16.6	14.8	12.1	9.6	8.6	8.8	8.1	7.2	9.9	17.1	3.5
20	6.9	6.8	5.7	3.7	4.4	5.2	3.8	3.9	7.0	12.0	15.7	17.4	18.4	19.3	19.6	19.5	18.3	16.0	13.2	12.9	12.7	11.9	12.6	12.6	11.6	19.6	3.7
21	12.4	11.2	10.2	9.1	8.2	7.5	7.3	6.7	7.5	9.0	10.5	11.0	11.3	11.3	11.3	11.1	10.6	9.1	7.0	4.9	4.3	3.9	2.1	0.9	8.3	12.4	0.9
22	0.4	-0.3	-1.2	-0.5	-0.8	-1.2	-1.5	-1.9	0.4	4.7	6.8	8.7	10.2	11.6	12.2	12.3	12.0	10.1	8.1	6.0	4.5	4.4	3.7	3.0	4.7	12.3	-1.9
23	2.2	1.6	1.8	0.9	1.2	2.0	1.4	1.7	3.5	7.8	10.1	11.2	12.3	13.5	15.2	15.6	14.5	12.3	10.1	8.2	6.4	6.0	5.5	5.1	7.1	15.6	0.9
24	4.4	3.7	3.7	3.5	3.8	4.0	4.3	3.3	5.8	10.4	13.6	15.3	17.3	18.6	19.5	19.8	19.5	17.3	14.7	12.3	9.8	9.1	8.8	8.0	10.4	19.8	3.3
25	7.3	5.6	4.9	5.1	6.3	6.3	4.9	5.1	7.3	9.9	14.3	17.4	19.4	20.3	20.3	19.7	19.0	16.6	13.5	10.6	9.7	8.9	8.1	8.2	11.2	20.3	4.9
26	7.2	5.3	5.5	4.1	4.1	4.0	4.3	4.3	7.2	12.0	15.0	16.7	18.5	19.7	20.3	20.1	19.2	17.1	14.6	12.7	11.5	10.7	9.9	9.8	11.4	20.3	4.0
27	9.5	8.9	8.7	7.7	7.4	6.8	5.8	6.8	7.9	12.0	15.9	17.8	19.5	20.6	21.4	21.5	21.0	17.9	14.7	10.8	9.4	9.2	8.6	8.3	12.4	21.5	5.8
28	8.3	7.8	7.0	5.9	5.5	4.7	5.2	5.6	8.6	14.7	16.9	18.8	20.7	22.4	23.6	23.7	22.8	19.8	16.4	14.4	12.5	12.0	10.6	9.7	13.2	23.7	4.7
29	8.9	7.8	6.8	6.8	6.7	6.1	6.1	6.0	9.8	15.2	17.5	19.5	21.0	23.1	24.4	25.0	24.3	20.8	18.2	13.6	11.8	11.1	9.8	9.3	13.7	25.0	6.0
30	8.4	7.8	6.8	6.2	6.7	6.5	6.3	5.5	8.6	14.2	17.1	19.9	22.0	23.2	23.9	24.3	23.6	20.5	16.7	12.8	11.3	10.6	10.3	9.6	13.4	24.3	5.5
31	8.8	8.9	8.9	8.3	7.9	7.7	8.0	7.1	7.9	12.3	15.0	17.2	19.2	20.4	20.7	20.7	20.0	18.0	15.5	12.7	11.3	11.0	10.0	9.1	12.8	20.7	7.1
Avg	10.4	10.0	9.8	9.4	9.1	8.9	8.4	8.3	10.4	13.9	16.2	17.7	19.0	19.8	20.3	20.4	19.7	17.5	15.1	13.2	12.2	11.8	11.3	10.8	13.5	--	--
Max	19.1	18.1	17.8	16.8	17.4	17.0	17.1	16.9	17.5	21.3	24.5	26.2	27.7	28.0	28.5	28.3	27.3	25.1	22.6	21.9	20.9	19.9	19.9	19.2	--	28.5	--
Min	0.4	-0.3	-1.2	-0.5	-0.8	-1.2	-1.5	-1.9	0.4	4.7	6.8	8.7	10.2	11.3	11.3	11.1	10.6	9.1	7.0	4.9	4.3	3.9	2.1	0.9	--	--	-1.9

SAROAD for Resolution, Far_West
"Component, Channel: Table100, WD_10m"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	111	108	86	88	86	79	79	90	147	164	190	204	206	211	218	203	210	221	210	213	206	184	152	152	163	221	79
2	155	151	142	131	127	132	143	151	188	203	227	244	215	224	243	279	296	308	311	300	357	46	83	97	188	357	46
3	105	108	125	89	79	76	81	100	146	162	165	172	184	202	217	207	226	224	217	195	112	154	95	81	146	226	76
4	77	81	67	82	85	66	79	78	106	243	286	285	261	271	244	239	240	297	336	12	356	11	321	97	8	356	11
5	122	158	144	126	160	148	155	155	164	185	220	256	256	256	285	268	297	316	314	324	351	350	35	53	218	351	35
6	19	94	115	75	80	81	82	75	159	176	213	275	272	272	280	277	275	272	253	129	83	90	76	86	108	280	19
7	106	105	94	84	76	60	26	14	305	287	287	266	270	280	287	277	270	282	288	359	70	77	84	83	357	359	14
8	82	83	85	99	100	89	85	88	112	160	167	191	210	206	203	257	291	306	320	47	108	187	139	149	132	320	47
9	136	128	138	126	121	81	89	126	174	237	263	239	283	256	257	249	280	284	285	52	68	64	62	61	154	285	52
10	64	64	67	70	81	73	55	50	81	110	97	97	112	115	104	106	92	85	60	54	63	65	73	73	79	115	50
11	77	75	73	69	76	85	73	73	86	127	146	139	158	199	230	236	219	266	311	325	12	33	72	100	94	325	12
12	102	97	89	83	72	74	85	76	119	186	205	220	243	251	272	300	318	335	12	4	33	69	76	78	68	335	4
13	82	119	108	98	88	78	77	80	112	154	211	234	257	283	251	249	282	315	332	353	8	60	75	71	74	353	8
14	114	134	87	75	75	80	81	81	112	181	196	281	255	275	257	281	288	297	310	351	71	80	73	84	78	351	71
15	77	73	69	74	11	65	77	79	70	353	306	289	265	289	264	292	308	318	351	27	47	85	87	94	25	353	11
16	86	91	72	62	51	52	54	56	71	187	99	105	107	122	140	100	333	157	79	66	73	63	59	60	82	333	51
17	61	64	63	66	63	55	55	56	64	116	97	129	135	173	198	260	266	238	270	1	77	76	79	84	82	270	1
18	81	77	74	83	85	84	83	83	195	254	234	255	265	293	293	290	304	301	319	7	40	80	83	130	34	319	7
19	114	114	107	67	109	82	83	88	101	182	158	141	176	213	209	236	260	308	315	357	339	71	88	97	115	357	67
20	91	98	92	76	80	81	108	115	168	158	181	220	251	243	241	226	259	273	290	317	323	32	106	172	160	323	32
21	216	267	98	72	79	89	87	67	188	269	279	255	276	279	270	285	291	303	306	353	106	90	75	75	322	353	67
22	97	81	136	287	32	64	158	85	93	119	309	284	250	325	325	322	299	300	287	19	58	76	74	67	28	325	19
23	90	67	78	207	9	5	26	120	286	267	250	268	277	286	291	285	294	299	355	51	59	60	45	67	349	355	5
24	59	57	74	75	85	67	70	68	57	59	51	53	59	70	66	55	80	103	69	66	63	63	67	71	67	103	51
25	70	66	77	84	62	50	59	81	95	96	95	102	122	137	121	31	54	4	42	61	66	76	78	80	75	137	4
26	94	108	98	89	111	88	82	81	123	162	182	199	244	276	275	278	284	292	298	43	77	79	76	78	102	298	43
27	85	95	79	73	92	89	78	82	279	203	234	281	293	290	302	293	279	268	283	31	67	85	77	86	38	302	31
28	78	73	78	85	87	88	11	114	106	89	90	88	87	226	273	255	241	260	323	31	71	70	61	83	76	323	11
29	92	88	99	105	100	59	55	60	64	162	229	97	169	186	196	240	240	264	308	13	69	78	85	99	103	308	13
30	90	81	90	77	74	76	82	71	93	163	172	152	151	129	207	17	35	28	62	84	234	186	111	154	104	234	17
31	153	102	76	89	123	99	83	86	129	163	175	183	232	246	226	251	255	326	45	71	71	74	75	78	116	326	45
Avg	94	94	92	86	83	77	78	84	118	172	199	214	226	241	246	268	280	293	321	22	55	75	78	90	89	--	--
Max	216	267	144	287	160	148	158	155	305	353	309	289	293	325	325	322	333	335	355	359	357	350	321	172	--	359	--
Min	19	57	63	62	9	5	11	14	57	59	51	53	59	70	66	17	35	4	12	1	8	11	35	53	--	--	1

SAROAD for Resolution, Far_West
"Component, Channel: Table100, WD_10m"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	126	107	98	83	79	83	90	123	136	166	181	206	209	218	231	223	251	246	267	14	239	141	100	114	154	267	14
2	112	121	90	77	72	76	78	66	127	187	195	208	204	212	218	217	234	265	358	67	76	74	83	87	120	358	66
3	11	63	115	116	96	72	78	80	76	129	178	186	227	227	225	279	330	7	45	61	70	73	92	80	86	330	7
4	80	103	132	101	117	112	107	252	193	158	172	182	208	221	220	211	181	181	291	352	40	67	64	122	148	352	40
5	170	116	105	89	132	124	139	123	177	215	192	226	222	277	264	256	246	232	247	265	328	50	65	82	183	328	50
6	81	79	79	80	80	77	75	76	99	102	190	171	193	246	251	246	209	224	117	56	57	83	122	125	114	251	56
7	144	88	68	75	96	82	77	78	86	33	271	241	287	257	265	298	310	329	1	53	51	84	86	172	54	329	1
8	203	175	68	92	65	75	74	81	89	352	259	269	269	320	284	265	289	277	317	51	60	38	77	80	26	352	38
9	74	85	132	293	95	71	73	91	114	223	286	202	264	269	251	273	258	288	323	18	68	77	75	81	61	323	18
10	85	79	97	88	110	101	85	95	117	188	231	190	222	226	239	249	247	295	341	43	74	79	75	90	115	341	43
11	88	80	81	82	103	80	79	88	89	148	114	58	236	315	306	285	304	314	340	46	69	68	66	91	65	340	46
12	86	80	92	101	92	83	73	84	67	332	280	267	304	296	301	308	296	301	334	58	42	80	90	85	36	334	42
13	85	76	78	101	95	92	72	72	75	231	243	251	267	270	281	285	306	324	351	65	70	77	75	77	54	351	65
14	84	91	85	104	106	100	90	77	57	208	320	178	226	238	268	261	283	319	347	73	71	76	75	85	83	347	57
15	83	76	72	122	122	78	99	73	89	251	275	261	231	220	254	284	288	297	330	40	77	73	81	79	72	330	40
16	82	76	77	93	90	89	84	94	20	322	290	359	231	270	258	260	265	304	5	76	68	78	85	84	50	359	5
17	84	82	94	81	82	75	74	79	114	155	179	207	250	275	304	299	283	341	8	18	66	69	59	46	63	341	8
18	347	343	117	96	73	70	62	64	62	63	62	70	27	322	297	301	295	297	40	24	58	65	54	59	38	347	24
19	48	53	48	113	222	160	69	49	53	62	52	71	118	120	126	188	288	9	58	54	85	72	64	61	75	288	9
20	57	108	169	88	119	100	182	250	292	289	273	280	257	273	284	281	273	292	353	25	62	80	80	91	313	353	25
21	82	81	86	88	86	74	85	80	66	295	296	266	268	284	285	277	253	235	329	120	132	91	116	117	80	329	66
22	92	21	78	77	42	41	63	112	122	65	59	60	94	114	133	137	129	123	75	63	42	62	81	89	82	137	21
23	91	94	80	105	51	114	108	99	357	323	277	260	299	322	316	313	322	328	16	61	71	117	81	78	39	357	16
24	89	129	108	86	119	68	83	80	108	57	299	200	264	280	287	270	246	256	358	85	81	75	70	75	82	358	57
25	76	76	74	109	82	97	72	84	95	3	287	269	266	254	266	296	299	319	1	67	76	70	77	74	47	319	1
26	88	81	102	112	95	88	113	85	103	285	307	261	252	300	310	327	318	309	7	58	79	76	70	73	50	327	7
27	79	84	103	90	78	78	62	56	105	140	145	149	189	224	258	308	323	316	317	340	311	284	313	6	43	340	6
28	168	126	103	115	99	84	77	82	118	194	197	259	285	307	295	315	324	302	246	31	71	89	95	78	93	324	31
29	92	82	69	114	86	42	52	53	29	83	262	323	265	190	181	318	319	352	56	68	82	120	104	56	63	352	29
30	293	234	96	55	332	20	56	63	187	85	72	263	232	152	24	301	297	23	54	72	64	65	33	67	43	332	20
Avg	88	88	92	94	91	83	83	82	94	156	245	231	244	258	266	276	281	301	354	49	65	77	77	83	75	--	--
Max	347	343	169	293	332	160	182	252	357	352	320	359	304	322	316	327	330	352	358	352	328	284	313	172	--	359	--
Min	11	21	48	55	42	20	52	49	20	3	52	58	27	114	24	137	129	7	1	14	40	38	33	6	--	--	1

SAROAD for Resolution, Far_West
"Component, Channel: Table100, WD_10m"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	129	139	70	283	278	52	199	114	100	66	66	203	90	131	218	254	327	219	84	67	77	98	110	126	113	327	52
2	35	60	36	83	83	79	90	111	307	23	82	121	344	5	57	162	173	224	158	116	120	112	102	71	86	344	5
3	68	102	120	109	67	75	85	81	67	115	180	201	215	221	230	221	217	254	35	75	85	84	99	101	115	254	35
4	86	98	101	89	84	85	83	74	106	165	183	202	248	262	262	250	284	319	332	325	350	30	29	213	72	350	29
5	59	171	138	59	60	47	167	157	208	63	249	15	127	203	248	322	280	211	88	81	93	159	254	74	126	322	15
6	57	62	70	78	79	80	73	73	75	74	69	60	64	36	42	51	42	51	57	55	70	81	58	21	62	81	21
7	49	57	56	55	62	65	63	70	66	73	66	56	53	15	18	27	57	57	78	63	82	81	69	39	58	82	15
8	89	98	102	337	171	140	334	3	42	359	230	266	289	290	255	278	316	332	6	57	61	77	90	77	14	359	3
9	83	72	74	92	70	44	79	101	76	186	113	132	114	91	94	109	94	61	58	56	57	43	44	52	81	186	43
10	39	43	58	57	60	54	52	324	350	97	90	87	92	94	80	78	87	92	93	80	83	71	77	75	69	350	39
11	82	82	66	60	65	70	132	295	35	74	176	177	197	164	164	151	300	334	30	73	64	88	51	81	86	334	30
12	60	108	110	78	69	77	68	65	80	57	80	95	96	96	92	69	57	65	71	67	77	58	89	84	78	110	57
13	73	74	62	71	105	133	104	84	61	76	206	266	288	293	285	295	312	341	6	63	77	76	80	86	57	341	6
14	76	84	84	85	64	85	81	81	70	148	250	266	273	312	303	300	345	53	58	47	54	53	50	70	52	345	47
15	69	63	62	61	74	103	68	67	78	74	78	80	59	61	90	129	202	169	349	35	71	69	63	67	74	349	35
16	66	67	81	74	67	120	199	141	114	125	125	125	134	136	141	146	120	95	77	83	107	107	125	125	112	199	66
17	133	115	107	138	29	353	2	57	207	174	113	63	65	146	95	103	108	65	60	52	47	50	101	79	86	353	2
18	65	76	101	45	41	167	95	92	104	156	206	257	227	251	277	287	297	310	331	49	79	73	69	67	70	331	41
19	84	84	79	81	77	128	95	110	101	127	123	175	216	256	266	248	264	315	31	75	74	75	70	74	97	315	31
20	78	83	72	135	91	79	65	91	84	107	144	143	168	199	220	224	226	190	88	86	69	95	120	121	117	226	65
21	140	138	145	296	293	224	166	331	271	222	269	275	279	273	272	265	260	255	232	154	137	140	92	99	229	331	92
22	88	61	79	81	72	77	73	94	139	145	195	274	239	277	284	290	307	292	286	29	63	69	81	76	64	307	29
23	82	74	64	85	73	70	86	120	97	20	277	273	264	214	309	273	303	337	4	38	108	77	82	93	54	337	4
24	78	74	74	73	77	68	73	72	86	155	247	304	289	295	299	283	289	314	331	13	63	82	81	81	39	331	13
25	78	118	26	76	95	74	81	70	142	144	154	219	272	290	310	318	324	318	356	60	79	74	77	77	64	356	26
26	89	95	103	94	64	80	73	98	107	24	271	260	288	281	298	316	302	317	27	99	68	50	74	78	50	317	24
27	75	87	79	93	76	80	88	69	82	155	263	261	281	259	300	329	333	288	299	93	104	100	76	74	63	333	69
28	76	87	108	84	72	81	67	82	83	244	299	252	290	292	315	320	315	359	27	15	77	94	94	85	44	359	15
29	110	78	54	83	125	10	44	78	140	201	309	291	318	340	320	322	308	300	347	75	108	104	76	80	40	347	10
30	76	81	114	109	107	77	79	78	76	14	189	330	267	264	303	309	299	315	0	71	81	74	81	76	55	330	0
31	77	77	98	75	81	89	82	83	51	64	262	257	304	298	286	316	300	325	5	59	70	84	85	79	46	325	5
Avg	78	86	83	77	74	80	83	81	87	106	181	231	264	269	290	291	305	326	28	63	78	81	80	81	75	--	--
Max	140	171	145	337	293	353	334	331	350	359	309	330	344	340	320	329	345	359	356	325	350	159	254	213	--	359	--
Min	35	43	26	45	29	10	2	3	35	14	66	15	53	5	18	27	42	51	0	13	47	30	29	21	--	--	0

SAROAD for Resolution, Far_West
"Component, Channel: Table100, WS_ms_10m"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	2.4	2.6	3.2	3.3	3.2	3.0	3.2	2.3	3.0	3.3	2.6	2.9	3.3	3.7	3.0	3.8	4.8	3.9	3.3	3.3	3.0	3.2	3.4	3.5	3.2	4.8	2.3
2	3.6	4.0	3.6	3.5	3.3	3.1	2.2	1.9	2.2	2.1	4.4	3.9	2.9	5.6	5.7	4.0	4.3	3.4	2.9	2.5	1.7	2.0	2.5	2.5	3.2	5.7	1.7
3	2.3	2.2	2.3	2.7	3.3	3.5	2.6	2.2	2.4	3.3	3.8	3.4	4.9	4.5	4.5	4.5	5.3	4.5	2.6	1.8	1.2	1.7	2.7	3.2	3.1	5.3	1.2
4	2.9	2.5	2.6	2.5	2.9	2.9	3.2	2.8	1.2	1.4	1.6	1.5	1.9	2.9	4.0	4.2	3.4	3.7	1.9	2.4	2.3	1.5	0.5	0.6	2.4	4.2	0.5
5	1.5	1.8	1.7	1.7	2.0	1.9	1.8	1.6	2.0	2.2	1.7	1.7	2.9	3.4	3.5	3.3	2.7	2.8	2.4	2.5	2.7	2.5	2.0	2.2	2.3	3.5	1.5
6	1.9	2.2	2.2	3.2	3.3	3.1	2.8	2.0	1.5	1.9	2.5	4.0	3.5	3.4	3.7	4.5	4.6	3.7	1.4	1.1	2.5	3.0	3.1	3.2	2.8	4.6	1.1
7	2.8	3.2	4.1	3.6	3.2	3.5	2.0	2.0	1.8	2.1	2.2	2.9	3.0	2.3	3.0	3.8	4.4	3.2	1.6	1.2	2.9	3.5	3.3	3.4	2.9	4.4	1.2
8	3.8	3.5	3.3	2.4	2.5	3.4	3.1	3.1	2.3	3.8	3.5	2.8	3.3	3.1	3.0	2.2	1.9	2.5	2.2	0.6	0.9	2.3	3.3	3.2	2.8	3.8	0.6
9	2.7	2.5	2.9	2.5	2.4	2.7	2.5	2.0	2.6	2.2	2.5	2.5	2.2	1.9	2.1	2.2	2.5	3.0	2.3	4.0	7.4	9.5	9.3	8.5	3.5	9.5	1.9
10	8.1	7.9	8.1	7.5	5.8	4.5	5.1	6.3	4.8	4.0	5.7	4.6	4.2	4.1	3.0	3.0	2.8	3.6	4.3	4.3	3.9	3.9	4.2	4.8	4.9	8.1	2.8
11	5.2	4.9	4.4	4.6	4.9	4.7	3.7	3.8	4.6	3.5	4.6	4.1	4.0	3.5	3.9	3.8	2.7	2.3	2.3	1.9	2.0	1.5	2.7	2.5	3.6	5.2	1.5
12	2.3	2.5	2.5	2.8	3.4	3.3	3.1	2.5	1.2	2.2	2.3	2.4	3.2	3.1	1.9	2.2	2.9	3.0	1.6	2.0	2.8	3.2	3.3	3.8	2.7	3.8	1.2
13	3.5	2.2	2.5	2.8	3.2	3.5	3.4	2.4	2.0	2.9	2.2	1.8	1.9	2.6	3.3	3.1	2.7	2.6	2.2	2.9	2.1	2.8	3.4	3.6	2.7	3.6	1.8
14	2.6	2.2	3.1	3.6	3.2	3.2	3.4	2.6	1.8	1.8	1.2	1.9	2.5	3.1	2.6	3.0	3.6	3.1	2.8	1.6	3.0	3.3	3.2	3.4	2.7	3.6	1.2
15	3.3	4.6	4.2	4.7	2.0	4.0	6.0	5.2	5.7	2.4	2.7	2.5	2.0	1.9	2.9	2.9	3.7	3.1	2.7	3.0	2.2	2.2	2.7	3.6	3.3	6.0	1.9
16	4.0	3.8	3.6	4.8	4.9	4.3	4.4	5.3	4.4	2.1	4.5	4.2	3.8	3.5	2.8	2.0	1.0	1.5	3.2	3.9	3.7	4.2	4.1	4.6	3.7	5.3	1.0
17	4.5	4.3	3.8	3.8	3.5	3.7	4.0	3.7	4.0	2.5	2.1	1.8	2.6	2.5	2.3	3.2	3.5	2.9	2.1	1.5	2.5	2.8	3.3	2.8	3.1	4.5	1.5
18	3.4	3.5	3.3	2.8	2.4	2.0	2.4	1.4	0.6	1.1	1.8	1.6	2.5	2.9	3.2	3.8	3.7	3.0	1.8	2.1	1.6	2.1	1.4	2.0	2.4	3.8	0.6
19	1.8	2.4	2.0	1.7	2.2	2.6	2.7	2.4	1.4	1.4	2.4	2.2	2.3	2.1	2.7	3.3	1.8	1.5	2.1	1.5	1.2	2.4	2.6	2.8	2.1	3.3	1.2
20	2.9	2.5	2.5	3.2	3.3	3.2	2.4	1.6	3.1	3.1	3.7	4.8	4.2	4.2	4.4	4.9	5.3	6.5	5.0	2.9	1.9	1.5	0.5	1.5	3.3	6.5	0.5
21	1.9	2.0	1.8	2.7	2.5	2.2	2.6	1.7	0.7	1.5	1.4	1.8	2.5	2.4	3.1	3.6	3.4	3.3	2.4	1.4	1.5	2.5	2.8	3.0	2.3	3.6	0.7
22	2.4	2.9	0.8	0.8	1.6	1.2	1.8	1.7	0.5	0.7	2.1	3.5	2.0	1.5	2.2	2.2	3.8	3.4	1.9	2.1	2.8	3.4	3.5	2.7	2.1	3.8	0.5
23	2.6	2.2	2.7	1.4	0.9	1.5	1.8	1.2	1.0	1.4	1.9	1.9	1.8	2.1	3.3	4.1	4.3	2.6	1.6	2.5	2.8	3.5	3.9	2.5	2.3	4.3	0.9
24	3.6	2.3	2.8	4.0	3.8	6.1	5.1	5.4	7.3	7.5	9.4	9.1	8.3	6.0	5.0	5.9	4.8	3.5	4.5	5.8	5.3	4.1	3.1	3.7	5.3	9.4	2.3
25	3.9	3.4	3.1	2.2	4.3	4.3	3.4	3.8	7.4	7.7	6.3	5.1	4.4	3.4	2.6	1.6	1.3	1.3	2.1	3.4	3.3	2.9	3.1	3.4	3.7	7.7	1.3
26	2.8	1.9	2.8	2.1	1.8	2.8	3.3	2.1	1.6	3.2	3.3	2.8	3.2	3.9	4.6	4.5	3.9	2.6	1.3	1.7	2.9	3.6	3.5	3.5	2.9	4.6	1.3
27	3.1	3.0	3.5	3.6	3.1	2.9	2.9	2.7	1.4	2.4	2.0	2.5	2.8	2.5	3.2	3.6	4.5	3.2	1.7	2.2	3.1	2.8	3.1	3.1	2.9	4.5	1.4
28	3.7	3.5	3.6	4.6	3.7	2.2	1.5	2.4	1.9	3.3	3.3	3.1	2.1	1.9	2.9	3.0	2.3	1.8	1.6	2.3	3.3	3.7	4.3	3.0	2.9	4.6	1.5
29	3.3	3.6	3.9	3.5	1.7	2.2	3.6	4.1	3.6	3.1	1.5	1.2	2.6	2.0	1.6	2.6	3.2	2.5	1.6	2.2	2.8	3.3	3.3	2.5	2.7	4.1	1.2
30	2.9	3.1	3.1	3.7	3.7	3.5	3.3	2.8	2.2	3.4	3.5	2.9	2.6	1.4	1.6	1.6	1.8	1.9	1.9	1.5	2.8	3.0	2.6	2.5	2.6	3.7	1.4
31	3.3	2.4	2.9	2.4	1.9	2.1	2.6	2.2	2.0	3.6	3.4	3.5	3.6	2.7	2.5	2.2	1.4	0.8	2.1	2.8	3.1	3.5	3.2	2.9	2.6	3.6	0.8
Avg	3.2	3.1	3.1	3.2	3.0	3.1	3.1	2.8	2.6	2.8	3.1	3.1	3.1	3.0	3.2	3.3	3.3	2.9	2.4	2.4	2.8	3.1	3.2	3.2	3.0	--	--
Max	8.1	7.9	8.1	7.5	5.8	6.1	6.0	6.3	7.4	7.7	9.4	9.1	8.3	6.0	5.7	5.9	5.3	6.5	5.0	5.8	7.4	9.5	9.3	8.5	--	9.5	--
Min	1.5	1.8	0.8	0.8	0.9	1.2	1.5	1.2	0.5	0.7	1.2	1.2	1.8	1.4	1.6	1.6	1.0	0.8	1.3	0.6	0.9	1.5	0.5	0.6	--	--	0.5

SAROAD for Resolution, Far_West
"Component, Channel: Table100, WS_ms_10m"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.9	2.6	2.7	3.0	3.0	2.6	2.3	1.8	1.6	3.6	3.4	3.7	3.3	3.5	3.6	3.3	2.5	2.1	1.4	0.9	0.4	0.9	1.8	2.5	2.4	3.7	0.4
2	2.5	2.3	2.3	2.6	3.0	3.0	2.8	2.2	0.9	1.7	3.2	3.5	3.2	3.3	3.3	2.8	3.0	2.0	1.4	2.5	2.9	3.3	2.5	2.2	2.6	3.5	0.9
3	1.0	1.2	2.2	2.1	2.3	2.9	2.9	2.9	2.1	0.9	2.0	2.8	3.0	3.6	2.6	1.6	1.7	2.0	2.2	1.9	2.4	2.3	2.3	2.2	2.2	3.6	0.9
4	1.5	1.3	1.0	1.9	1.7	2.0	2.3	1.3	2.3	2.5	2.4	2.2	2.7	4.1	4.4	3.7	2.2	1.5	2.7	2.2	1.5	1.5	1.7	1.6	2.2	4.4	1.0
5	1.5	1.9	1.7	1.6	1.8	1.8	1.6	1.8	2.1	2.1	1.5	2.0	2.2	2.7	2.6	3.0	2.8	2.2	2.1	2.2	2.2	2.0	2.8	2.7	2.1	3.0	1.5
6	2.6	2.9	3.0	2.9	2.8	2.9	2.6	2.2	1.7	0.9	1.2	1.0	1.4	2.1	2.1	2.1	2.1	1.4	0.6	1.6	2.0	1.9	1.8	1.9	2.0	3.0	0.6
7	1.9	2.5	2.7	2.8	2.5	2.6	2.8	2.7	1.8	1.3	1.4	1.5	1.4	1.6	1.6	1.9	1.4	1.6	1.1	1.8	1.9	2.2	2.1	1.9	2.0	2.8	1.1
8	2.2	2.5	2.1	2.9	2.4	2.4	2.9	2.1	1.3	1.4	2.3	2.7	1.9	2.0	2.1	1.9	2.0	2.3	1.8	2.3	1.9	1.4	2.0	2.7	2.1	2.9	1.3
9	3.0	2.4	1.6	1.4	0.9	2.5	3.0	2.5	0.9	0.9	1.6	2.0	2.9	2.1	2.6	2.7	2.8	2.4	2.4	2.5	2.9	3.2	3.3	2.5	2.3	3.3	0.9
10	3.6	3.4	2.6	2.8	1.9	1.7	2.1	1.7	0.7	0.4	0.8	1.9	1.6	1.8	2.8	2.6	2.4	2.5	2.4	2.3	2.8	3.1	3.1	2.8	2.2	3.6	0.4
11	2.8	2.9	3.5	2.9	2.6	2.8	2.7	2.1	1.0	0.5	0.6	0.8	1.1	1.6	1.6	2.2	2.5	2.5	2.9	2.6	3.4	3.0	2.3	3.1	2.3	3.5	0.5
12	3.2	3.3	2.4	1.9	2.6	2.9	2.8	2.5	0.9	0.7	0.9	2.4	2.3	2.5	3.0	2.1	2.0	2.3	2.0	1.7	2.1	2.9	2.7	2.4	2.3	3.3	0.7
13	2.8	2.7	2.8	1.7	1.5	2.2	2.2	2.9	2.2	0.5	1.0	1.9	1.5	2.5	1.9	2.2	2.1	2.1	1.9	2.4	3.0	3.3	3.0	3.5	2.2	3.5	0.5
14	3.4	2.9	2.3	2.2	2.4	2.3	2.5	1.2	0.7	0.4	1.2	0.9	1.1	2.2	2.5	2.6	3.1	1.9	1.4	2.5	3.0	3.3	3.4	3.2	2.2	3.4	0.4
15	3.5	3.5	3.1	2.1	2.3	2.5	2.6	2.4	1.6	1.3	1.5	1.2	1.2	1.3	1.8	1.9	2.2	2.2	2.3	2.4	2.9	3.4	3.4	3.3	2.3	3.5	1.2
16	3.1	3.2	3.4	2.5	2.6	2.5	2.4	2.1	1.0	1.1	1.3	0.6	1.2	1.9	2.1	2.2	2.2	1.8	2.5	2.4	3.3	3.7	3.3	3.1	2.3	3.7	0.6
17	2.9	2.9	2.7	2.6	2.9	3.4	3.3	3.0	1.8	2.7	3.2	2.0	2.1	3.7	3.7	2.2	1.2	1.4	1.8	1.2	1.4	1.4	1.9	2.4	2.4	3.7	1.2
18	2.8	2.6	2.0	2.7	2.4	3.4	5.6	5.9	7.5	6.5	6.8	5.6	2.9	2.8	3.8	3.5	3.4	1.9	1.2	2.0	4.2	5.1	3.5	4.4	3.8	7.5	1.2
19	5.2	4.9	4.6	2.5	1.2	1.0	3.7	5.4	5.1	5.8	5.9	3.9	2.6	1.9	1.7	1.9	1.6	2.3	3.1	3.0	3.2	3.8	4.1	4.3	3.4	5.9	1.0
20	3.9	2.7	1.3	1.7	2.0	1.0	0.7	0.5	1.6	1.8	2.1	1.3	1.6	1.8	1.6	2.2	2.2	2.1	2.3	2.5	2.7	2.9	3.1	2.6	2.0	3.9	0.5
21	2.8	2.6	2.8	2.7	3.0	2.9	2.6	2.3	0.7	1.9	1.5	1.5	3.0	2.7	2.9	3.4	2.0	1.0	1.6	2.3	1.7	2.1	2.7	2.2	2.3	3.4	0.7
22	2.0	1.4	1.3	1.8	4.1	5.4	5.5	3.0	0.9	4.7	5.6	4.9	3.9	3.1	3.1	3.1	3.3	1.6	3.4	4.9	4.3	3.4	3.4	3.1	3.4	5.6	0.9
23	3.3	2.9	3.4	2.5	1.9	0.8	0.8	1.9	1.0	1.0	2.0	2.2	2.5	1.9	1.9	2.5	3.1	2.3	2.5	2.9	2.5	3.1	3.2	3.2	2.3	3.4	0.8
24	2.7	2.0	2.0	2.9	1.6	2.3	3.3	3.1	1.4	1.0	1.2	1.3	1.6	1.6	1.7	1.8	1.9	1.3	1.1	2.3	3.3	3.7	3.7	3.6	2.2	3.7	1.0
25	3.6	3.4	3.2	3.1	3.2	2.6	2.7	2.0	1.1	0.8	1.5	1.9	2.0	2.0	2.2	2.0	2.1	1.9	1.8	3.0	3.6	3.2	3.6	3.7	2.5	3.7	0.8
26	3.2	3.1	1.8	2.2	2.9	2.4	2.4	2.2	1.3	0.8	1.6	1.2	1.3	1.8	2.6	2.8	2.4	2.2	2.2	2.6	3.0	3.2	3.4	3.6	2.3	3.6	0.8
27	3.2	3.1	2.4	2.5	2.2	2.8	2.3	2.1	2.1	2.0	3.7	5.2	4.2	3.8	3.4	3.5	2.0	1.4	2.9	2.8	1.7	0.9	3.1	1.8	2.7	5.2	0.9
28	1.7	1.6	2.0	2.6	2.5	2.9	3.0	2.7	1.8	1.2	0.6	2.1	2.8	2.4	2.9	2.8	2.2	1.1	1.2	2.1	2.5	2.7	2.5	2.6	2.2	3.0	0.6
29	2.7	2.3	1.9	1.4	2.3	1.5	1.8	1.3	0.9	0.5	1.5	1.3	1.0	1.4	2.1	3.4	3.0	1.9	2.1	2.4	1.7	1.4	2.1	1.0	1.8	3.4	0.5
30	1.6	1.4	2.0	1.5	1.4	1.8	2.5	2.5	1.2	1.3	2.5	3.3	3.1	1.8	1.9	3.7	3.0	2.3	2.7	2.2	3.0	3.6	3.4	2.4	2.3	3.7	1.2
Avg	2.7	2.6	2.4	2.3	2.3	2.5	2.7	2.4	1.7	1.7	2.2	2.3	2.2	2.4	2.5	2.6	2.4	1.9	2.0	2.3	2.6	2.7	2.8	2.7	2.4	--	--
Max	5.2	4.9	4.6	3.1	4.1	5.4	5.6	5.9	7.5	6.5	6.8	5.6	4.2	4.1	4.4	3.7	3.4	2.5	3.4	4.9	4.3	5.1	4.1	4.4	--	7.5	--
Min	1.0	1.2	1.0	1.4	0.9	0.8	0.7	0.5	0.7	0.4	0.6	0.6	1.0	1.3	1.6	1.6	1.2	1.0	0.6	0.9	0.4	0.9	1.7	1.0	--	--	0.4

SAROAD for Resolution, Far_West
"Component, Channel: Table100, WS_ms_10m"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.5	1.7	2.1	1.3	1.4	1.7	1.4	1.3	1.3	1.7	2.1	1.2	0.8	0.8	1.4	1.8	1.0	0.7	1.7	2.0	2.5	2.5	1.9	1.5	1.6	2.5	0.7
2	2.2	2.4	2.2	2.0	1.3	2.9	2.5	1.6	1.5	1.6	2.2	0.8	2.0	1.7	1.8	3.3	2.9	1.4	2.4	3.0	2.8	2.1	2.5	2.3	2.1	3.3	0.8
3	2.7	2.6	2.7	2.9	2.8	3.0	3.2	3.2	2.6	1.1	1.3	2.1	3.2	3.6	3.0	2.3	1.7	0.9	1.3	3.3	2.8	2.9	2.1	2.8	2.5	3.6	0.9
4	2.2	2.6	2.6	3.1	2.9	3.0	3.0	3.1	1.8	2.7	2.3	2.8	2.7	2.9	3.1	3.3	2.4	1.9	1.5	2.4	2.1	1.5	1.0	0.4	2.4	3.3	0.4
5	1.1	2.0	1.4	1.6	1.6	1.0	1.1	2.0	1.6	2.0	2.2	1.0	1.5	2.2	2.5	2.3	1.6	1.9	2.4	2.4	2.7	2.2	1.3	2.0	1.8	2.7	1.0
6	3.4	4.8	5.2	5.1	5.4	4.8	5.1	4.8	7.5	8.4	6.2	6.7	5.8	4.0	4.4	3.5	3.5	3.3	5.2	5.6	3.4	4.4	2.5	3.9	4.9	8.4	2.5
7	6.7	5.6	6.0	7.6	5.9	6.2	2.9	5.3	8.3	7.7	7.6	6.4	4.0	3.2	3.0	4.2	6.0	5.4	3.2	3.3	3.2	3.5	3.2	3.1	5.1	8.3	2.9
8	1.8	3.0	2.9	2.0	2.5	2.7	2.3	2.3	2.7	1.3	1.1	1.3	1.6	1.7	1.1	1.1	1.7	2.5	2.8	3.0	3.4	3.0	3.4	3.4	2.3	3.4	1.1
9	3.3	3.0	3.8	3.2	2.2	2.1	2.7	2.7	2.1	1.3	2.7	2.5	4.2	4.4	4.0	4.5	4.0	5.0	5.5	4.5	4.0	3.4	3.6	5.5	3.5	5.5	1.3
10	3.4	1.9	2.7	3.9	5.3	3.8	1.6	1.2	1.9	6.8	7.4	7.4	7.4	6.7	4.1	4.5	3.8	2.7	2.4	2.2	2.2	3.3	3.7	3.3	3.9	7.4	1.2
11	4.5	3.0	4.0	4.4	5.5	4.3	1.3	0.6	2.3	4.1	2.3	1.9	2.1	3.7	1.8	2.7	2.5	2.3	2.5	2.7	2.6	2.3	2.4	3.5	2.9	5.5	0.6
12	3.3	3.7	4.4	4.4	4.6	5.2	5.1	4.7	3.0	4.8	3.2	5.1	6.0	6.1	6.4	4.6	3.4	3.8	2.9	3.2	2.6	4.8	3.8	2.4	4.2	6.4	2.4
13	3.2	2.9	4.4	3.8	2.3	2.0	1.6	2.5	3.2	3.4	2.1	2.5	2.5	2.1	2.1	2.4	2.4	2.3	1.8	2.2	3.4	3.8	3.6	3.0	2.7	4.4	1.6
14	3.1	3.0	3.5	3.3	2.2	3.2	2.9	3.5	2.5	1.1	1.6	2.9	3.3	4.0	4.2	4.3	3.5	4.9	3.9	6.1	7.5	7.5	7.9	2.4	3.8	7.9	1.1
15	4.7	7.2	9.0	7.9	7.7	4.0	3.9	5.4	5.2	5.7	3.9	2.5	1.5	1.6	1.6	1.2	1.0	1.4	1.8	3.2	4.0	4.3	3.7	3.9	4.0	9.0	1.0
16	4.1	3.6	2.2	4.3	4.3	2.2	1.3	1.9	4.1	5.0	4.1	4.5	3.8	4.3	4.0	2.8	1.8	2.1	3.4	3.3	3.4	3.2	3.5	3.9	3.4	5.0	1.3
17	2.6	1.9	1.5	4.7	3.7	3.7	4.4	4.2	2.5	1.6	3.1	4.9	5.1	3.6	3.7	4.2	2.3	1.1	3.0	4.3	4.2	3.7	3.2	2.9	3.3	5.1	1.1
18	1.7	1.7	1.3	1.9	2.5	1.4	2.3	2.6	1.6	2.4	1.8	1.7	1.9	2.7	2.6	2.2	2.8	2.3	1.6	1.7	2.5	3.2	3.0	2.5	2.2	3.2	1.3
19	3.1	3.2	3.1	3.2	2.8	1.6	2.4	2.4	1.9	1.3	2.1	2.2	2.3	2.6	2.4	2.6	2.0	1.4	1.6	2.7	3.7	3.8	3.5	3.5	2.6	3.8	1.3
20	3.6	3.2	2.4	1.5	2.3	2.8	2.1	2.8	1.6	1.5	3.3	2.5	2.3	2.9	2.9	2.8	2.5	1.0	2.7	3.1	2.9	3.7	3.4	3.7	2.6	3.7	1.0
21	3.2	3.2	2.5	2.0	1.9	1.2	1.4	2.2	2.3	2.5	5.3	5.7	5.9	5.9	6.2	5.8	5.0	3.7	2.5	2.4	2.4	2.6	3.0	2.9	3.4	6.2	1.2
22	2.7	2.7	2.5	3.2	2.9	3.0	3.3	2.3	1.4	1.5	1.2	1.1	1.9	2.4	2.2	2.3	2.3	2.1	1.8	1.9	2.9	3.0	2.9	2.5	2.3	3.3	1.1
23	2.9	2.5	2.8	2.5	2.9	3.2	2.7	2.0	1.5	1.0	1.3	1.6	0.7	0.5	1.3	1.8	2.4	1.9	1.5	1.6	2.2	2.7	3.0	2.7	2.1	3.2	0.5
24	2.7	3.2	3.1	2.6	2.0	2.1	2.4	2.7	1.5	1.2	1.3	2.2	1.6	1.9	1.7	2.2	1.9	1.7	1.8	2.5	3.1	3.3	3.5	3.4	2.3	3.5	1.2
25	3.2	1.0	1.8	2.5	3.5	3.2	2.5	2.8	2.0	1.1	0.8	1.2	1.3	1.8	2.2	1.8	2.4	1.9	2.4	3.1	3.6	3.2	3.5	3.7	2.4	3.7	0.8
26	2.2	1.9	2.9	2.7	2.9	2.9	3.1	2.7	1.3	0.7	0.8	1.5	1.4	1.8	1.8	2.2	1.9	1.9	2.0	1.5	2.5	2.6	3.1	3.5	2.2	3.5	0.7
27	3.0	2.9	2.9	2.2	3.3	2.8	2.0	2.9	1.7	1.0	1.1	1.2	1.0	1.4	1.6	2.6	2.2	1.8	1.1	1.4	2.4	2.7	3.6	3.7	2.2	3.7	1.0
28	3.6	3.3	1.9	1.6	2.4	2.3	3.2	3.4	2.4	1.1	1.8	1.0	1.0	1.5	2.8	3.9	2.9	1.6	2.5	3.8	2.7	2.9	3.5	2.4	2.5	3.9	1.0
29	1.5	1.2	2.1	2.8	1.8	1.8	2.4	3.2	1.9	1.0	1.2	1.7	1.7	2.4	2.7	3.1	3.0	2.1	1.8	2.7	2.8	2.8	3.4	3.7	2.3	3.7	1.0
30	3.5	2.5	1.9	2.7	2.9	3.0	3.0	2.8	2.2	0.6	0.5	0.6	1.4	2.5	2.0	1.7	1.9	2.1	2.0	2.9	3.5	3.8	3.7	3.6	2.4	3.8	0.5
31	3.8	3.5	3.4	3.2	3.6	3.3	3.2	2.9	1.7	1.0	1.1	1.2	0.6	0.9	1.5	1.9	1.1	1.8	2.1	2.8	2.7	3.3	3.1	3.4	2.4	3.8	0.6
Avg	3.1	2.9	3.1	3.2	3.2	2.9	2.7	2.8	2.6	2.5	2.6	2.6	2.7	2.8	2.8	2.9	2.6	2.3	2.4	2.9	3.1	3.3	3.2	3.1	2.8	--	--
Max	6.7	7.2	9.0	7.9	7.7	6.2	5.1	5.4	8.3	8.4	7.6	7.4	7.4	6.7	6.4	5.8	6.0	5.4	5.5	6.1	7.5	7.5	7.9	5.5	--	9.0	--
Min	1.1	1.0	1.3	1.3	1.3	1.0	1.1	0.6	1.3	0.6	0.5	0.6	0.6	0.5	1.1	1.1	1.0	0.7	1.1	1.4	2.1	1.5	1.0	0.4	--	--	0.4

Appendix B – PM_{10} and $PM_{2.5}$ Data: Hourly

SAROAD for Resolution, East_Plant
"Component, Channel: Table125, conc_PM10_Actual"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	10.0	10.0	11.0	8.0	7.0	11.0	13.0	37.0	13.0	12.0	8.0	6.0	9.0	12.0	11.0	11.0	22.0	17.0	20.0	21.0	21.0	33.0	23.0	18.0	15.2	37.0	6.0
2	13.0	10.0	5.0	4.0	8.0	7.0	6.0	5.0	8.0	10.0	8.0	6.0	17.0	41.0	30.0	25.0	25.0	25.0	21.0	11.0	20.0	16.0	13.0	12.0	14.4	41.0	4.0
3	12.0	16.0	16.0	17.0	19.0	16.0	22.0	24.0	15.0	14.0	17.0	9.0	8.0	8.0	9.0	17.0	17.0	23.0	17.0	15.0	12.0	10.0	8.0	16.0	14.9	24.0	8.0
4	10.0	11.0	12.0	10.0	9.0	11.0	11.0	12.0	13.0	10.0	16.0	15.0	13.0	12.0	11.0	17.0	9.0	8.0	11.0	17.0	19.0	18.0	13.0	12.0	12.5	19.0	8.0
5	11.0	12.0	11.0	16.0	8.0	7.0	10.0	11.0	11.0	11.0	11.0	11.0	16.0	20.0	13.0	14.0	15.0	18.0	14.0	18.0	16.0	16.0	18.0	17.0	13.5	20.0	7.0
6	17.0	13.0	16.0	14.0	14.0	13.0	13.0	28.0	19.0	18.0	16.0	9.0	11.0	13.0	14.0	13.0	17.0	18.0	22.0	25.0	21.0	14.0	21.0	21.0	16.7	28.0	9.0
7	14.0	15.0	8.0	11.0	43.0	19.0	13.0	18.0	10.0	11.0	10.0	9.0	9.0	6.0	7.0	10.0	12.0	12.0	12.0	13.0	14.0	14.0	16.0	12.0	13.3	43.0	6.0
8	11.0	20.0	15.0	13.0	12.0	8.0	9.0	22.0	20.0	15.0	13.0	10.0	9.0	21.0	10.0	11.0	13.0	20.0	15.0	15.0	20.0	22.0	97.0	116.0	22.4	116.0	8.0
9	58.0	26.0	18.0	20.0	13.0	12.0	12.0	17.0	31.0	14.0	17.0	18.0	21.0	14.0	20.0	20.0	27.0	25.0	25.0	23.0	94.0	92.0	104.0	126.0	35.3	126.0	12.0
10	111.0	44.0	22.0	15.0	23.0	8.0	7.0	17.0	29.0	23.0	28.0	29.0	22.0	27.0	20.0	21.0	27.0	25.0	13.0	15.0	20.0	20.0	21.0	19.0	25.3	111.0	7.0
11	20.0	23.0	23.0	24.0	18.0	24.0	17.0	18.0	21.0	24.0	20.0	20.0	19.0	14.0	13.0	10.0	21.0	18.0	18.0	16.0	21.0	19.0	16.0	19.0	19.0	24.0	10.0
12	18.0	17.0	15.0	19.0	17.0	16.0	17.0	21.0	26.0	23.0	16.0	13.0	9.0	6.0	6.0	10.0	13.0	10.0	4.0	3.0	3.0	2.0	2.0	2.0	12.0	26.0	2.0
13	6.0	6.0	6.0	6.0	6.0	5.0	4.0	7.0	8.0	8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.0	4.0
14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.0	7.0	10.0	9.0	10.0	10.0	10.0	13.0	14.0	16.0	--	16.0	4.0
18	15.0	17.0	19.0	13.0	16.0	15.0	12.0	22.0	23.0	13.0	11.0	11.0	12.0	17.0	13.0	13.0	15.0	16.0	18.0	14.0	12.0	15.0	14.0	14.0	15.0	23.0	11.0
19	13.0	10.0	9.0	12.0	14.0	12.0	17.0	17.0	16.0	15.0	14.0	20.0	10.0	10.0	19.0	17.0	18.0	15.0	13.0	13.0	17.0	19.0	19.0	15.0	14.8	20.0	9.0
20	18.0	21.0	16.0	14.0	17.0	16.0	15.0	16.0	27.0	15.0	11.0	11.0	12.0	39.0	21.0	44.0	36.0	35.0	47.0	48.0	61.0	87.0	75.0	73.0	32.3	87.0	11.0
21	77.0	118.0	141.0	137.0	142.0	122.0	120.0	122.0	108.0	87.0	98.0	106.0	94.0	90.0	92.0	97.0	94.0	101.0	115.0	135.0	123.0	102.0	88.0	76.0	108.0	142.0	76.0
22	38.0	21.0	19.0	11.0	25.0	15.0	9.0	67.0	39.0	30.0	106.0	95.0	14.0	24.0	23.0	18.0	17.0	16.0	17.0	17.0	8.0	27.0	21.0	7.0	28.5	106.0	7.0
23	6.0	6.0	83.0	119.0	45.0	3.0	6.0	10.0	19.0	61.0	14.0	24.0	26.0	14.0	12.0	22.0	19.0	21.0	15.0	16.0	20.0	11.0	58.0	61.0	28.8	119.0	3.0
24	55.0	232.0	137.0	47.0	11.0	39.0	22.0	19.0	124.0	63.0	39.0	49.0	45.0	36.0	--	--	18.0	25.0	18.0	25.0	26.0	23.0	33.0	30.0	50.7	232.0	11.0
25	29.0	28.0	29.0	25.0	29.0	--	--	--	--	--	22.0	27.0	20.0	33.0	33.0	32.0	24.0	20.0	20.0	14.0	16.0	9.0	10.0	12.0	22.7	33.0	9.0
26	9.0	7.0	15.0	15.0	16.0	14.0	14.0	24.0	40.0	25.0	26.0	29.0	22.0	25.0	27.0	30.0	32.0	25.0	21.0	29.0	21.0	19.0	19.0	16.0	21.7	40.0	7.0
27	19.0	13.0	19.0	14.0	20.0	27.0	19.0	36.0	28.0	23.0	31.0	15.0	22.0	24.0	14.0	16.0	15.0	14.0	17.0	15.0	17.0	14.0	12.0	8.0	18.8	36.0	8.0
28	8.0	16.0	35.0	47.0	48.0	56.0	52.0	56.0	56.0	49.0	51.0	44.0	46.0	31.0	37.0	21.0	18.0	24.0	24.0	39.0	28.0	24.0	21.0	17.0	35.3	56.0	8.0
29	26.0	27.0	34.0	33.0	36.0	31.0	33.0	36.0	39.0	40.0	33.0	25.0	22.0	15.0	17.0	9.0	12.0	21.0	21.0	25.0	26.0	22.0	24.0	19.0	26.1	40.0	9.0
30	13.0	17.0	18.0	23.0	17.0	17.0	15.0	28.0	25.0	23.0	19.0	27.0	20.0	18.0	18.0	20.0	19.0	29.0	16.0	12.0	26.0	12.0	18.0	24.0	19.8	29.0	12.0
31	44.0	47.0	35.0	29.0	24.0	23.0	21.0	19.0	16.0	17.0	14.0	13.0	11.0	11.0	11.0	--	--	21.0	11.0	13.0	10.0	9.0	12.0	8.0	19.0	47.0	8.0
Avg	25.2	29.7	29.1	26.5	24.3	21.0	19.6	27.3	30.2	25.2	25.7	25.0	20.7	22.3	19.4	21.0	21.7	22.6	21.3	22.9	26.0	25.3	29.3	29.1	25.2	--	--
Max	111.0	232.0	141.0	137.0	142.0	122.0	120.0	122.0	124.0	87.0	106.0	106.0	94.0	90.0	92.0	97.0	94.0	101.0	115.0	135.0	123.0	102.0	104.0	126.0	--	232.0	--
Min	6.0	6.0	5.0	4.0	6.0	3.0	4.0	5.0	8.0	8.0	8.0	6.0	8.0	6.0	4.0	7.0	9.0	8.0	4.0	3.0	3.0	2.0	2.0	2.0	--	--	2.0

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: Table125, conc_PM10_Actual"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	3.0	3.0	6.0	7.0	7.0	7.0	9.0	15.0	21.0	17.0	22.0	16.0	18.0	18.0	16.0	17.0	29.0	29.0	20.0	22.0	25.0	11.0	23.0	33.0	16.4	33.0	3.0
2	20.0	27.0	25.0	21.0	17.0	14.0	15.0	24.0	14.0	19.0	15.0	13.0	10.0	8.0	10.0	18.0	20.0	26.0	17.0	17.0	16.0	19.0	13.0	11.0	17.0	27.0	8.0
3	9.0	9.0	12.0	13.0	11.0	12.0	12.0	21.0	21.0	12.0	13.0	14.0	14.0	10.0	7.0	11.0	17.0	14.0	24.0	8.0	10.0	8.0	6.0	8.0	12.3	24.0	6.0
4	10.0	10.0	9.0	9.0	8.0	7.0	9.0	8.0	11.0	12.0	10.0	11.0	16.0	9.0	6.0	6.0	10.0	18.0	15.0	17.0	22.0	20.0	16.0	14.0	11.8	22.0	6.0
5	12.0	8.0	7.0	10.0	12.0	11.0	9.0	7.0	6.0	7.0	6.0	5.0	8.0	10.0	10.0	8.0	9.0	14.0	16.0	15.0	10.0	12.0	11.0	8.0	9.6	16.0	5.0
6	6.0	3.0	3.0	6.0	4.0	3.0	4.0	3.0	6.0	3.0	1.0	4.0	5.0	4.0	2.0	6.0	10.0	10.0	10.0	11.0	9.0	5.0	7.0	10.0	5.6	11.0	1.0
7	11.0	10.0	10.0	11.0	9.0	8.0	10.0	8.0	15.0	13.0	9.0	4.0	4.0	4.0	7.0	8.0	22.0	14.0	14.0	10.0	9.0	10.0	7.0	6.0	9.7	22.0	4.0
8	8.0	22.0	11.0	11.0	8.0	8.0	11.0	9.0	8.0	9.0	10.0	9.0	6.0	8.0	12.0	10.0	8.0	9.0	12.0	11.0	7.0	7.0	5.0	2.0	9.2	22.0	2.0
9	4.0	5.0	7.0	10.0	11.0	10.0	9.0	6.0	4.0	3.0	4.0	5.0	16.0	6.0	8.0	10.0	10.0	9.0	8.0	17.0	12.0	10.0	9.0	7.0	8.3	17.0	3.0
10	3.0	4.0	5.0	5.0	4.0	5.0	8.0	10.0	10.0	10.0	12.0	9.0	6.0	8.0	17.0	5.0	8.0	18.0	13.0	21.0	26.0	28.0	13.0	10.0	10.8	28.0	3.0
11	6.0	7.0	8.0	8.0	9.0	7.0	5.0	7.0	16.0	13.0	9.0	5.0	6.0	9.0	9.0	8.0	9.0	6.0	8.0	12.0	9.0	6.0	4.0	3.0	7.9	16.0	3.0
12	4.0	5.0	6.0	9.0	9.0	11.0	12.0	10.0	7.0	7.0	9.0	9.0	7.0	6.0	7.0	9.0	11.0	12.0	15.0	13.0	10.0	6.0	4.0	4.0	8.4	15.0	4.0
13	3.0	3.0	4.0	6.0	4.0	5.0	6.0	4.0	8.0	9.0	15.0	14.0	12.0	11.0	13.0	12.0	17.0	18.0	26.0	23.0	22.0	22.0	12.0	12.0	11.7	26.0	3.0
14	8.0	6.0	5.0	4.0	4.0	6.0	8.0	11.0	13.0	16.0	21.0	11.0	17.0	14.0	14.0	14.0	18.0	24.0	22.0	28.0	20.0	21.0	15.0	12.0	13.8	28.0	4.0
15	10.0	10.0	8.0	4.0	4.0	7.0	6.0	19.0	12.0	13.0	16.0	76.0	53.0	71.0	7.0	10.0	14.0	11.0	10.0	24.0	21.0	8.0	6.0	2.0	17.6	76.0	2.0
16	2.0	4.0	5.0	3.0	3.0	7.0	8.0	7.0	6.0	9.0	13.0	13.0	13.0	10.0	--	--	12.0	17.0	20.0	13.0	13.0	13.0	17.0	15.0	10.1	20.0	2.0
17	11.0	11.0	12.0	12.0	15.0	13.0	15.0	15.0	27.0	16.0	17.0	--	19.0	24.0	20.0	17.0	26.0	15.0	23.0	19.0	21.0	13.0	22.0	20.0	17.5	27.0	11.0
18	5.0	6.0	7.0	6.0	4.0	56.0	36.0	37.0	39.0	14.0	11.0	7.0	6.0	6.0	6.0	6.0	18.0	8.0	10.0	11.0	8.0	9.0	9.0	5.0	13.8	56.0	4.0
19	2.0	2.0	7.0	11.0	12.0	17.0	19.0	20.0	19.0	17.0	14.0	17.0	15.0	17.0	13.0	16.0	11.0	12.0	12.0	11.0	12.0	12.0	11.0	10.0	12.9	20.0	2.0
20	12.0	13.0	19.0	17.0	16.0	23.0	24.0	20.0	18.0	25.0	19.0	18.0	16.0	12.0	17.0	20.0	21.0	24.0	18.0	17.0	17.0	16.0	15.0	13.0	17.9	25.0	12.0
21	16.0	15.0	14.0	15.0	18.0	22.0	17.0	18.0	13.0	12.0	11.0	9.0	10.0	11.0	20.0	21.0	31.0	18.0	15.0	14.0	31.0	11.0	16.0	12.0	16.2	31.0	9.0
22	11.0	10.0	11.0	11.0	27.0	105.0	134.0	101.0	67.0	82.0	78.0	68.0	66.0	45.0	40.0	34.0	28.0	36.0	32.0	31.0	24.0	29.0	29.0	30.0	47.0	134.0	10.0
23	18.0	13.0	13.0	9.0	5.0	6.0	10.0	9.0	5.0	15.0	8.0	6.0	5.0	1.0	5.0	13.0	16.0	16.0	16.0	12.0	12.0	10.0	10.0	9.0	10.1	18.0	1.0
24	8.0	7.0	7.0	12.0	23.0	19.0	23.0	21.0	27.0	13.0	17.0	12.0	11.0	17.0	12.0	11.0	12.0	10.0	10.0	17.0	22.0	12.0	16.0	10.0	14.5	27.0	7.0
25	8.0	6.0	5.0	4.0	5.0	6.0	5.0	5.0	6.0	7.0	9.0	9.0	10.0	16.0	31.0	35.0	31.0	33.0	29.0	26.0	23.0	11.0	17.0	19.0	14.8	35.0	4.0
26	12.0	12.0	10.0	11.0	11.0	6.0	22.0	15.0	20.0	16.0	15.0	12.0	9.0	8.0	7.0	5.0	6.0	9.0	11.0	7.0	4.0	6.0	6.0	7.0	10.3	22.0	4.0
27	8.0	6.0	7.0	5.0	2.0	7.0	11.0	9.0	7.0	10.0	9.0	8.0	12.0	10.0	9.0	23.0	20.0	17.0	11.0	16.0	13.0	19.0	35.0	53.0	13.6	53.0	2.0
28	36.0	46.0	58.0	73.0	62.0	68.0	43.0	54.0	43.0	38.0	45.0	30.0	34.0	32.0	27.0	29.0	59.0	48.0	22.0	12.0	13.0	13.0	12.0	11.0	37.8	73.0	11.0
29	12.0	16.0	14.0	13.0	19.0	21.0	34.0	42.0	43.0	42.0	47.0	39.0	46.0	37.0	39.0	33.0	32.0	46.0	32.0	23.0	20.0	28.0	27.0	24.0	30.4	47.0	12.0
30	26.0	22.0	27.0	29.0	26.0	28.0	27.0	36.0	32.0	31.0	20.0	29.0	--	17.0	16.0	14.0	33.0	34.0	30.0	18.0	20.0	12.0	13.0	16.0	24.2	36.0	12.0
Avg	10.1	10.7	11.4	12.2	12.3	17.5	18.7	19.0	18.1	17.0	16.8	16.6	16.2	15.3	14.0	14.8	18.9	19.2	17.4	16.5	16.0	13.6	13.5	13.2	15.4	--	--
Max	36.0	46.0	58.0	73.0	62.0	105.0	134.0	101.0	67.0	82.0	78.0	76.0	66.0	71.0	40.0	35.0	59.0	48.0	32.0	31.0	31.0	29.0	35.0	53.0	--	134.0	--
Min	2.0	2.0	3.0	3.0	2.0	3.0	4.0	3.0	4.0	3.0	1.0	4.0	4.0	1.0	2.0	5.0	6.0	6.0	8.0	7.0	4.0	5.0	4.0	2.0	--	--	1.0

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: Table125, conc_PM10_Actual"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	12.0	26.0	19.0	22.0	21.0	35.0	28.0	32.0	21.0	30.0	25.0	27.0	19.0	15.0	28.0	27.0	50.0	20.0	24.0	16.0	23.0	11.0	17.0	11.0	23.3	50.0	11.0
2	10.0	16.0	14.0	19.0	25.0	27.0	22.0	23.0	15.0	13.0	14.0	12.0	16.0	9.0	12.0	16.0	15.0	14.0	20.0	13.0	12.0	12.0	21.0	20.0	16.3	27.0	9.0
3	14.0	18.0	15.0	20.0	13.0	20.0	14.0	13.0	16.0	13.0	11.0	10.0	12.0	16.0	7.0	15.0	15.0	15.0	11.0	10.0	13.0	14.0	11.0	9.0	13.5	20.0	7.0
4	11.0	16.0	16.0	9.0	10.0	13.0	17.0	17.0	21.0	15.0	14.0	16.0	15.0	21.0	26.0	22.0	32.0	41.0	27.0	23.0	26.0	28.0	26.0	22.0	20.2	41.0	9.0
5	16.0	11.0	12.0	12.0	12.0	26.0	14.0	13.0	16.0	24.0	16.0	21.0	23.0	18.0	13.0	19.0	--	12.0	13.0	12.0	8.0	8.0	8.0	8.0	14.6	26.0	8.0
6	8.0	6.0	8.0	11.0	9.0	10.0	19.0	15.0	16.0	22.0	16.0	15.0	13.0	28.0	21.0	17.0	17.0	18.0	40.0	48.0	--	--	--	51.0	19.4	51.0	6.0
7	93.0	548.0	206.0	280.0	48.0	24.0	112.0	124.0	145.0	163.0	156.0	--	--	73.0	20.0	16.0	17.0	18.0	10.0	12.0	17.0	11.0	11.0	10.0	96.1	548.0	10.0
8	7.0	3.0	2.0	2.0	4.0	4.0	4.0	8.0	9.0	7.0	5.0	5.0	4.0	4.0	6.0	7.0	7.0	11.0	15.0	24.0	11.0	16.0	4.0	3.0	7.2	24.0	2.0
9	3.0	4.0	6.0	7.0	9.0	9.0	7.0	7.0	8.0	28.0	28.0	20.0	13.0	10.0	9.0	9.0	8.0	10.0	10.0	8.0	4.0	6.0	9.0	9.0	10.0	28.0	3.0
10	72.0	30.0	23.0	10.0	16.0	15.0	17.0	10.0	9.0	22.0	27.0	15.0	9.0	15.0	3.0	8.0	16.0	14.0	13.0	9.0	9.0	11.0	9.0	26.0	17.0	72.0	3.0
11	5.0	5.0	6.0	7.0	7.0	9.0	11.0	11.0	30.0	27.0	14.0	21.0	16.0	15.0	13.0	13.0	14.0	10.0	8.0	6.0	4.0	8.0	15.0	16.0	12.1	30.0	4.0
12	6.0	8.0	6.0	7.0	11.0	9.0	10.0	10.0	16.0	14.0	12.0	23.0	22.0	12.0	16.0	35.0	38.0	30.0	15.0	12.0	13.0	19.0	19.0	23.0	16.1	38.0	6.0
13	23.0	17.0	21.0	25.0	19.0	14.0	19.0	11.0	13.0	13.0	11.0	12.0	12.0	9.0	8.0	7.0	17.0	15.0	14.0	17.0	13.0	14.0	15.0	11.0	14.6	25.0	7.0
14	12.0	14.0	14.0	12.0	16.0	13.0	11.0	--	--	--	10.0	62.0	24.0	24.0	22.0	28.0	33.0	25.0	30.0	26.0	16.0	26.0	27.0	20.0	22.1	62.0	10.0
15	14.0	13.0	12.0	12.0	26.0	13.0	14.0	17.0	13.0	16.0	20.0	25.0	22.0	26.0	18.0	23.0	22.0	16.0	16.0	14.0	14.0	18.0	17.0	19.0	17.5	26.0	12.0
16	22.0	17.0	15.0	18.0	14.0	20.0	19.0	18.0	13.0	14.0	14.0	13.0	15.0	9.0	9.0	19.0	30.0	19.0	14.0	13.0	17.0	13.0	15.0	19.0	16.2	30.0	9.0
17	13.0	13.0	11.0	6.0	6.0	8.0	7.0	8.0	9.0	8.0	6.0	7.0	4.0	0.0	0.0	3.0	4.0	3.0	4.0	1.0	1.0	2.0	2.0	3.0	5.4	13.0	0.0
18	0.0	1.0	3.0	2.0	2.0	2.0	4.0	5.0	6.0	8.0	11.0	13.0	10.0	7.0	6.0	6.0	7.0	8.0	8.0	8.0	7.0	7.0	7.0	6.0	6.0	13.0	0.0
19	7.0	8.0	7.0	7.0	10.0	11.0	10.0	10.0	10.0	11.0	17.0	15.0	7.0	10.0	18.0	14.0	15.0	18.0	15.0	19.0	17.0	12.0	9.0	10.0	12.0	19.0	7.0
20	9.0	8.0	6.0	4.0	6.0	6.0	7.0	6.0	9.0	11.0	8.0	10.0	12.0	10.0	8.0	6.0	10.0	13.0	8.0	6.0	7.0	6.0	5.0	4.0	7.7	13.0	4.0
21	4.0	6.0	7.0	11.0	30.0	34.0	56.0	99.0	--	--	--	--	--	--	--	--	--	21.0	17.0	17.0	12.0	13.0	11.0	10.0	--	99.0	4.0
22	9.0	10.0	11.0	7.0	6.0	8.0	8.0	8.0	8.0	7.0	7.0	5.0	3.0	4.0	5.0	8.0	10.0	11.0	11.0	13.0	10.0	6.0	5.0	5.0	7.7	13.0	3.0
23	6.0	5.0	1.0	0.0	4.0	9.0	10.0	8.0	6.0	4.0	3.0	5.0	6.0	5.0	7.0	8.0	6.0	5.0	5.0	7.0	4.0	3.0	5.0	5.0	5.3	10.0	0.0
24	4.0	3.0	3.0	2.0	4.0	7.0	6.0	6.0	8.0	7.0	6.0	4.0	6.0	6.0	6.0	7.0	15.0	11.0	10.0	9.0	7.0	5.0	4.0	4.0	6.3	15.0	2.0
25	3.0	4.0	3.0	1.0	0.0	2.0	4.0	3.0	4.0	6.0	5.0	2.0	3.0	3.0	5.0	7.0	6.0	6.0	6.0	7.0	6.0	4.0	4.0	2.0	4.0	7.0	0.0
26	1.0	3.0	5.0	6.0	6.0	5.0	4.0	2.0	4.0	7.0	5.0	6.0	6.0	6.0	9.0	9.0	16.0	17.0	13.0	13.0	11.0	6.0	3.0	2.0	6.9	17.0	1.0
27	0.0	4.0	9.0	6.0	6.0	7.0	6.0	6.0	8.0	10.0	7.0	7.0	5.0	5.0	10.0	18.0	27.0	3.0	5.0	6.0	5.0	3.0	1.0	1.0	6.9	27.0	0.0
28	4.0	8.0	6.0	3.0	5.0	8.0	9.0	7.0	4.0	6.0	9.0	10.0	10.0	19.0	15.0	13.0	13.0	18.0	11.0	8.0	4.0	1.0	2.0	7.0	8.3	19.0	1.0
29	7.0	5.0	6.0	5.0	5.0	6.0	7.0	10.0	8.0	18.0	5.0	6.0	11.0	12.0	11.0	17.0	15.0	14.0	13.0	12.0	10.0	6.0	6.0	6.0	9.2	18.0	5.0
30	4.0	6.0	6.0	4.0	5.0	5.0	5.0	5.0	6.0	3.0	3.0	3.0	1.0	5.0	21.0	32.0	29.0	23.0	21.0	14.0	12.0	6.0	6.0	6.0	9.6	32.0	1.0
31	4.0	4.0	5.0	4.0	3.0	4.0	5.0	5.0	3.0	2.0	3.0	3.0	7.0	7.0	8.0	17.0	23.0	17.0	14.0	15.0	14.0	11.0	7.0	4.0	7.9	23.0	2.0
Avg	13.0	27.1	15.6	17.5	11.5	12.4	15.7	17.2	15.7	18.2	16.3	13.6	11.2	13.4	12.0	14.9	18.2	15.4	14.2	13.5	10.9	10.2	10.0	11.4	14.6	--	--
Max	93.0	548.0	206.0	280.0	48.0	35.0	112.0	124.0	145.0	163.0	156.0	62.0	24.0	73.0	28.0	35.0	50.0	41.0	40.0	48.0	26.0	28.0	27.0	51.0	--	548.0	--
Min	0.0	1.0	1.0	0.0	0.0	2.0	4.0	2.0	3.0	2.0	3.0	2.0	1.0	0.0	0.0	3.0	4.0	3.0	4.0	1.0	1.0	1.0	1.0	1.0	--	--	0.0

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: Table125, East_Plant_conc_PM10_STP"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	11.4	11.4	12.6	9.2	8.0	12.5	14.8	42.6	15.1	13.9	9.3	7.0	10.6	14.1	13.0	13.0	26.0	20.1	23.5	24.6	24.6	38.5	26.8	20.9	17.7	42.6	7.0
2	15.0	11.5	5.8	4.6	9.2	8.1	6.9	5.8	9.3	11.6	9.3	7.0	19.9	48.1	35.3	29.4	29.4	29.2	24.4	12.7	23.1	18.3	14.9	13.7	16.8	48.1	4.6
3	13.7	18.2	18.2	19.3	21.6	18.1	24.9	27.5	17.3	16.2	19.8	10.5	9.4	9.4	10.6	20.1	20.1	27.0	19.9	17.5	14.0	11.6	9.3	18.4	17.2	27.5	9.3
4	11.5	12.6	13.7	11.4	10.3	12.5	12.5	13.8	15.1	11.7	18.8	17.7	15.3	14.2	13.1	20.1	10.6	9.4	12.9	19.8	22.0	20.9	15.1	13.9	14.5	22.0	9.4
5	12.8	13.9	12.7	18.5	9.3	8.1	11.5	12.8	12.9	12.9	13.0	13.0	19.0	23.8	15.4	16.6	17.8	21.2	16.4	21.0	18.7	18.6	20.9	19.7	15.9	23.8	8.1
6	19.6	15.0	18.4	16.1	16.1	14.9	14.8	32.3	22.1	21.0	18.7	10.6	12.9	15.3	16.5	15.3	20.0	21.0	25.6	29.0	24.3	16.2	24.1	24.0	19.3	32.3	10.6
7	16.0	17.2	9.2	12.6	49.2	21.7	14.8	20.6	11.5	12.7	11.6	10.5	10.6	7.1	8.3	11.8	14.2	14.1	14.0	15.1	16.2	16.1	18.3	13.7	15.3	49.2	7.1
8	12.6	22.8	17.1	14.8	13.6	9.1	10.2	25.2	23.2	17.4	15.2	11.8	10.6	24.8	11.8	13.0	15.4	23.5	17.5	17.5	23.3	25.6	112.0	134.0	25.9	134.0	9.1
9	66.8	29.8	20.6	22.8	14.8	13.6	13.6	19.4	35.5	16.1	19.6	20.8	24.3	16.3	23.2	23.3	31.2	28.8	28.6	26.2	106.0	104.0	117.0	142.0	40.2	142.0	13.6
10	125.0	49.3	24.6	16.8	25.7	8.9	7.8	19.0	32.6	26.0	31.8	33.2	25.4	31.3	23.2	24.4	31.4	28.9	14.9	17.2	22.9	22.8	23.9	21.6	28.7	125.0	7.8
11	22.7	26.0	26.0	27.1	20.3	27.0	19.1	20.4	23.9	27.5	23.1	23.3	22.3	16.5	15.3	11.8	24.7	21.1	21.0	18.6	24.4	21.9	18.4	21.8	21.8	27.5	11.8
12	20.6	19.4	17.1	21.7	19.4	18.2	19.3	24.0	30.0	26.7	18.6	15.2	10.6	7.1	7.1	11.8	15.3	11.7	4.6	3.5	3.4	2.3	2.3	2.3	13.8	30.0	2.3
13	6.9	6.9	6.8	6.8	6.8	5.7	4.5	8.0	9.3	9.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.3	4.5
14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.7	8.3	11.7	10.5	11.6	11.6	11.6	15.0	16.1	18.3	--	18.3	4.7
18	17.2	19.4	21.7	14.9	18.3	17.1	13.7	25.1	26.7	15.2	12.8	12.9	14.1	20.1	15.3	15.3	17.6	18.7	20.9	16.3	13.9	17.3	16.2	16.2	17.4	26.7	12.8
19	15.0	11.5	10.3	13.8	16.0	13.8	19.4	19.6	18.5	17.4	16.2	23.2	11.7	11.7	22.3	19.9	21.1	17.5	15.1	15.1	19.6	21.9	21.8	17.2	17.1	23.2	10.3
20	20.6	23.9	18.2	16.0	19.3	18.2	17.0	18.3	31.1	17.3	12.8	12.8	14.0	45.4	24.5	51.3	41.9	40.6	54.1	55.0	69.8	99.2	85.3	82.9	37.1	99.2	12.8
21	87.2	133.0	159.0	154.0	159.0	137.0	134.0	137.0	123.0	98.6	111.0	121.0	108.0	103.0	106.0	111.0	108.0	115.0	131.0	153.0	139.0	114.0	98.8	85.3	122.0	159.0	85.3
22	42.7	23.5	21.2	12.3	28.1	16.8	10.1	75.6	44.2	34.1	121.0	109.0	16.2	27.9	26.7	21.0	19.8	18.5	19.5	19.4	9.1	30.7	23.8	8.0	32.4	121.0	8.0
23	6.8	6.8	95.1	137.0	51.4	3.4	6.8	11.3	21.7	70.0	16.2	27.9	30.5	16.5	14.1	25.9	22.3	24.5	17.4	18.4	23.0	12.6	67.0	70.3	33.2	137.0	3.4
24	63.3	267.0	157.0	53.9	12.6	44.4	25.0	21.6	141.0	71.9	44.8	56.5	52.0	41.8	--	--	20.9	28.9	20.7	28.6	29.7	26.2	37.5	34.0	58.2	267.0	12.6
25	32.9	31.7	32.8	28.2	32.7	--	--	--	--	--	25.2	31.2	23.2	38.4	38.5	37.4	28.0	23.2	23.0	16.1	18.3	10.3	11.4	13.6	26.1	38.5	10.3
26	10.2	7.9	17.0	17.0	18.1	15.8	15.8	27.2	45.9	29.0	30.2	33.8	25.7	29.2	31.6	35.1	37.3	29.0	24.2	33.4	24.2	21.9	21.9	18.4	25.0	45.9	7.9
27	21.8	14.8	21.5	15.8	22.6	30.6	21.5	40.9	32.0	26.3	35.7	17.3	25.6	28.0	16.4	18.7	17.5	16.2	19.6	17.3	19.4	15.9	13.6	9.1	21.6	40.9	9.1
28	9.1	18.2	39.6	52.9	54.0	62.9	58.3	63.0	63.3	55.7	58.2	50.5	53.2	36.0	43.2	24.5	21.0	27.8	27.7	44.7	31.9	27.3	23.9	19.3	40.3	63.3	9.1
29	29.5	30.6	38.5	37.4	40.8	35.0	37.2	40.6	44.2	45.6	37.8	28.9	25.6	17.6	19.9	10.6	14.0	24.4	24.3	28.8	29.9	25.2	27.4	21.6	29.8	45.6	10.6
30	14.8	19.3	20.4	26.1	19.2	19.3	17.0	31.8	28.6	26.4	21.8	31.0	23.1	20.9	20.9	23.2	22.0	33.5	18.4	13.7	29.9	13.7	20.4	27.2	22.6	33.5	13.7
31	50.0	53.2	39.4	32.5	26.9	25.8	23.5	21.4	18.1	19.3	16.0	14.9	12.6	12.6	12.6	--	--	23.9	12.5	14.7	11.3	10.1	13.5	9.0	21.5	53.2	9.0
Avg	28.7	33.9	33.1	30.1	27.5	23.8	22.1	31.0	34.4	28.8	29.6	28.9	24.1	26.1	22.7	24.5	25.4	26.2	24.6	26.2	29.8	28.8	33.4	33.2	28.9	--	--
Max	125.0	267.0	159.0	154.0	159.0	137.0	134.0	137.0	141.0	98.6	121.0	121.0	108.0	103.0	106.0	111.0	108.0	115.0	131.0	153.0	139.0	114.0	117.0	142.0	--	267.0	--
Min	6.8	6.8	5.8	4.6	6.8	3.4	4.5	5.8	9.3	9.3	9.3	7.0	9.4	7.1	4.7	8.3	10.6	9.4	4.6	3.5	3.4	2.3	2.3	2.3	--	--	2.3

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: Table125, East_Plant_conc_PM10_STP"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	3.4	3.4	6.7	7.9	7.8	7.8	10.1	16.9	23.8	19.4	25.1	18.3	20.7	20.8	18.5	19.6	33.3	33.1	22.8	25.0	28.4	12.5	26.0	37.2	18.7	37.2	3.4
2	22.4	30.1	27.9	23.4	18.9	15.6	16.7	26.8	15.8	21.5	17.0	14.8	11.4	9.2	11.5	20.6	22.8	29.5	19.2	19.1	17.9	21.3	14.5	12.4	19.2	30.1	9.2
3	10.1	10.1	13.4	14.5	12.2	13.3	13.3	23.5	23.6	13.6	14.8	16.0	16.0	11.5	8.0	12.6	19.4	15.9	27.2	9.0	11.3	9.1	6.8	9.0	13.9	27.2	6.8
4	11.3	11.3	10.2	10.2	9.0	7.9	10.2	9.1	12.6	13.7	11.4	12.6	18.3	10.3	6.9	6.9	11.5	20.6	17.1	19.4	25.0	22.6	18.1	15.8	13.4	25.0	6.9
5	13.5	9.0	7.9	11.2	13.5	12.3	10.1	7.8	6.8	7.9	6.8	5.7	9.1	11.4	11.4	9.1	10.2	15.8	18.0	16.9	11.2	13.5	12.3	9.0	10.9	18.0	5.7
6	6.7	3.4	3.3	6.7	4.4	3.3	4.4	3.3	6.7	3.4	1.1	4.6	5.7	4.6	2.3	6.9	11.4	11.3	11.3	12.4	10.2	5.7	7.9	11.3	6.4	12.4	1.1
7	12.4	11.3	11.2	12.3	10.1	9.0	11.2	9.0	16.8	14.7	10.2	4.6	4.6	4.6	8.0	9.1	25.0	15.8	15.8	11.3	10.1	11.3	7.9	6.7	10.9	25.0	4.6
8	9.0	24.7	12.3	12.2	8.9	8.9	12.2	10.0	9.0	10.2	11.3	10.3	6.9	9.2	13.8	11.4	9.1	10.2	13.6	12.4	7.9	7.9	5.6	2.2	10.4	24.7	2.2
9	4.5	5.6	7.9	11.3	12.4	11.2	10.1	6.8	4.5	3.4	4.6	5.8	18.5	7.0	9.3	11.6	11.5	10.3	9.1	19.3	13.6	11.3	10.2	7.9	9.5	19.3	3.4
10	3.4	4.5	5.6	5.6	4.5	5.6	9.0	11.2	11.4	11.4	13.8	10.4	7.0	9.3	19.8	5.8	9.3	20.6	14.9	23.9	29.6	31.8	14.8	11.4	12.3	31.8	3.4
11	6.8	7.9	9.0	9.0	10.1	7.8	5.6	7.9	18.2	14.9	10.3	5.8	6.9	10.4	10.4	9.3	10.4	6.9	9.1	13.6	10.2	6.8	4.5	3.4	9.0	18.2	3.4
12	4.5	5.6	6.7	10.0	10.0	12.2	13.3	11.2	7.9	8.0	10.3	10.4	8.1	7.0	8.1	10.5	12.7	13.8	17.1	14.8	11.4	6.8	4.5	4.5	9.6	17.1	4.5
13	3.4	3.4	4.5	6.8	4.5	5.6	6.8	4.5	9.1	10.3	17.3	16.2	13.9	12.8	15.1	13.9	19.6	20.7	29.7	26.1	25.0	24.9	13.6	13.6	13.4	29.7	3.4
14	9.0	6.8	5.6	4.5	4.5	6.8	9.0	12.4	14.8	18.4	24.2	12.7	19.7	16.3	16.3	16.2	20.8	27.5	25.1	31.7	22.6	23.7	16.9	13.5	15.8	31.7	4.5
15	11.2	11.2	9.0	4.5	4.5	7.8	6.7	21.3	13.6	14.8	18.4	87.7	61.6	82.6	8.1	11.6	16.1	12.6	11.4	27.3	23.8	9.1	6.8	2.3	20.2	87.7	2.3
16	2.3	4.5	5.6	3.4	3.4	7.8	9.0	7.9	6.8	10.3	15.0	15.1	15.1	11.6	--	--	13.9	19.5	22.9	14.8	14.7	14.7	19.3	16.9	11.6	22.9	2.3
17	12.4	12.4	13.5	13.5	16.8	14.6	16.8	16.9	30.7	18.3	19.4	--	21.8	27.5	22.9	19.4	29.6	17.0	26.1	21.5	23.8	14.7	24.8	22.5	19.9	30.7	12.4
18	5.6	6.7	7.8	6.7	4.4	62.2	39.8	40.8	43.1	15.5	12.2	7.8	6.8	6.8	6.8	6.8	20.3	9.0	11.2	12.3	8.9	9.9	9.9	5.5	15.3	62.2	4.4
19	2.2	2.2	7.8	12.2	13.3	18.8	21.0	22.1	21.0	18.9	15.7	19.1	17.0	19.3	14.8	18.2	12.5	13.5	13.5	12.3	13.4	13.4	12.3	11.1	14.4	22.1	2.2
20	13.3	14.4	21.1	18.9	17.8	25.5	26.6	22.2	20.1	28.0	21.4	20.4	18.3	13.7	19.5	22.9	23.9	27.2	20.3	19.1	19.1	17.9	16.7	14.5	20.1	28.0	13.3
21	17.8	16.7	15.5	16.7	19.9	24.4	18.8	20.0	14.6	13.6	12.5	10.3	11.5	12.7	23.0	24.0	35.3	20.4	17.0	15.9	35.3	12.5	18.2	13.6	18.3	35.3	10.3
22	12.4	11.3	12.4	12.4	30.3	118.0	150.0	113.0	75.2	92.4	88.1	77.2	75.3	51.7	46.0	39.2	32.1	41.0	36.2	35.0	27.1	32.7	32.7	34.0	53.1	150.0	11.3
23	20.4	14.7	14.7	10.2	5.7	6.8	11.3	10.2	5.7	17.0	9.1	6.9	5.8	1.2	5.8	15.1	18.5	18.4	18.3	13.7	13.6	11.3	11.3	10.2	11.5	20.4	1.2
24	9.1	7.9	7.9	13.5	25.9	21.3	25.8	23.6	30.7	14.9	19.7	13.9	12.8	19.8	14.0	12.8	13.9	11.5	11.4	19.4	24.9	13.6	18.1	11.3	16.6	30.7	7.9
25	9.0	6.8	5.6	4.5	5.6	6.7	5.6	5.6	6.8	8.0	10.3	10.4	11.6	18.6	35.9	40.4	35.7	37.7	32.9	29.4	26.0	12.4	19.2	21.4	16.9	40.4	4.5
26	13.5	13.6	11.3	12.4	12.4	6.8	24.8	16.9	22.7	18.2	17.2	13.8	10.5	9.4	8.2	5.9	7.0	10.3	12.6	8.0	4.5	6.8	6.8	7.9	11.7	24.8	4.5
27	9.0	6.8	7.9	5.6	2.3	7.9	12.4	10.2	8.0	11.5	10.4	9.3	14.0	11.7	10.5	26.6	23.0	19.5	12.6	18.2	14.8	21.5	39.4	59.3	15.5	59.3	2.3
28	40.3	51.5	64.7	81.1	68.4	74.9	47.2	59.5	47.9	42.6	50.7	33.9	38.7	36.5	31.0	33.1	67.0	54.2	24.7	13.4	14.6	14.6	13.4	12.3	42.3	81.1	12.3
29	13.4	17.9	15.7	14.5	21.2	23.4	37.8	46.7	47.9	46.9	52.6	44.0	52.0	41.9	44.2	37.4	36.1	51.8	35.9	25.8	22.5	31.4	30.3	26.9	34.1	52.6	13.4
30	29.2	24.7	30.3	32.5	29.2	31.4	30.2	40.3	35.8	34.8	22.5	32.8	--	19.5	18.3	16.1	37.7	38.5	33.9	20.4	22.6	13.6	14.7	18.1	27.3	40.3	13.6
Avg	11.4	12.0	12.8	13.6	13.7	19.5	20.9	21.2	20.4	19.2	19.1	19.0	18.6	17.6	16.1	17.0	21.6	21.8	19.7	18.7	18.1	15.3	15.2	14.9	17.4	--	--
Max	40.3	51.5	64.7	81.1	68.4	118.0	150.0	113.0	75.2	92.4	88.1	87.7	75.3	82.6	46.0	40.4	67.0	54.2	36.2	35.0	35.3	32.7	39.4	59.3	--	150.0	--
Min	2.2	2.2	3.3	3.4	2.3	3.3	4.4	3.3	4.5	3.4	1.1	4.6	4.6	1.2	2.3	5.8	7.0	6.9	9.1	8.0	4.5	5.7	4.5	2.2	--	--	1.1

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: Table125, East_Plant_conc_PM10_STP"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	13.6	29.4	21.5	24.9	23.7	39.5	31.6	36.1	23.7	33.9	28.3	30.5	21.5	17.0	31.9	30.8	56.8	22.6	27.1	18.0	25.9	12.4	19.1	12.4	26.3	56.8	12.4
2	11.2	18.0	15.8	21.4	28.1	30.4	24.8	25.9	16.9	14.8	16.0	13.7	18.4	10.4	13.8	18.4	17.2	16.0	22.7	14.7	13.6	13.6	23.9	22.8	18.4	30.4	10.4
3	15.9	20.4	16.9	22.5	14.6	22.4	15.7	14.6	18.1	14.8	12.6	11.5	13.8	18.4	8.1	17.2	17.2	17.1	12.5	11.3	14.7	15.8	12.5	10.2	15.4	22.5	8.1
4	12.4	18.1	18.0	10.1	11.2	14.5	18.9	18.9	23.6	16.9	15.9	18.2	17.1	23.9	29.6	24.9	36.1	46.1	30.3	25.7	29.0	31.1	28.8	24.4	22.7	46.1	10.1
5	17.7	12.1	13.2	13.2	13.3	28.7	15.4	14.3	17.6	26.4	17.7	23.2	25.4	19.9	14.4	21.1	--	13.3	14.4	13.3	8.9	8.9	8.9	8.8	16.1	28.7	8.8
6	8.8	6.6	8.8	12.1	9.9	11.0	20.9	16.4	17.6	24.3	17.7	16.7	14.5	31.5	23.6	19.1	19.1	20.2	44.6	53.3	--	--	--	56.2	21.6	56.2	6.6
7	102.0	600.0	225.0	305.0	52.0	25.9	121.0	133.0	156.0	176.0	169.0	--	--	79.9	22.0	17.6	18.6	19.6	10.9	13.0	18.5	11.9	11.9	10.8	104.0	600.0	10.8
8	7.6	3.2	2.2	2.2	4.3	4.3	4.3	8.6	9.8	7.6	5.5	5.5	4.4	4.5	6.7	7.8	7.8	12.1	16.5	26.2	12.0	17.5	4.4	3.3	7.9	26.2	2.2
9	3.3	4.4	6.6	7.7	9.9	9.9	7.6	7.6	8.8	30.7	30.9	22.2	14.5	11.2	10.1	10.1	9.0	11.1	11.1	8.9	4.4	6.7	10.0	10.0	11.1	30.9	3.3
10	79.7	33.1	25.4	11.0	17.6	16.5	18.7	11.0	10.0	24.4	30.1	16.8	10.1	16.9	3.4	9.0	18.0	15.7	14.5	10.0	10.0	12.2	10.0	28.9	18.9	79.7	3.4
11	5.5	5.5	6.6	7.7	7.7	9.9	12.1	12.1	33.2	29.9	15.6	23.5	18.1	17.0	14.7	14.7	15.8	11.2	8.9	6.7	4.5	8.9	16.7	17.8	13.5	33.2	4.5
12	6.7	8.9	6.6	7.7	12.1	9.9	11.0	11.0	17.7	15.6	13.4	25.8	24.7	13.5	18.0	39.4	42.8	33.6	16.8	13.5	14.6	21.2	21.2	25.6	18.0	42.8	6.6
13	25.6	18.9	23.3	27.8	21.1	15.5	21.0	12.2	14.5	14.5	12.4	13.6	13.6	10.3	9.2	8.0	19.4	17.0	15.8	19.0	14.5	15.6	16.8	12.2	16.3	27.8	8.0
14	13.3	15.6	15.6	13.3	17.7	14.4	12.2	--	--	--	11.2	69.7	27.1	27.2	24.9	31.6	37.1	28.0	33.5	29.0	17.8	28.9	30.0	22.1	24.8	69.7	11.2
15	15.5	14.3	13.2	13.1	28.4	14.2	15.3	18.6	14.2	17.6	22.1	27.7	24.5	29.1	20.3	26.0	24.7	17.8	17.7	15.5	15.5	19.8	18.7	20.9	19.4	29.1	13.1
16	24.2	18.7	16.5	19.8	15.4	22.0	20.9	19.8	14.3	15.5	15.6	14.5	16.8	10.1	10.1	21.5	33.8	21.3	15.6	14.5	18.9	14.4	16.7	21.1	18.0	33.8	10.1
17	14.5	14.5	12.2	6.6	6.6	8.8	7.7	8.8	9.8	8.8	6.6	7.7	4.4	0.0	0.0	3.3	4.4	3.3	4.4	1.1	1.1	2.2	2.2	3.3	5.9	14.5	0.0
18	0.0	1.1	3.3	2.2	2.2	2.2	4.3	5.4	6.6	8.8	12.2	14.5	11.2	7.8	6.7	6.7	7.8	8.8	8.8	8.8	7.7	7.6	7.6	6.5	6.6	14.5	0.0
19	7.6	8.7	7.6	7.6	10.9	11.9	10.8	10.8	10.9	12.1	18.8	16.6	7.8	11.2	20.1	15.6	16.6	19.8	16.5	20.8	18.5	13.0	9.8	10.9	13.1	20.8	7.6
20	9.8	8.7	6.5	4.3	6.5	6.5	7.6	6.5	9.8	12.2	8.9	11.2	13.5	11.3	9.1	6.8	11.3	14.6	8.9	6.7	7.8	6.7	5.6	4.5	8.6	14.6	4.3
21	4.5	6.7	7.8	12.2	33.0	37.3	61.3	108.0	--	--	--	--	--	--	--	--	--	22.8	18.4	18.4	12.9	14.0	11.8	10.7	--	108.0	4.5
22	9.6	10.7	11.7	7.5	6.4	8.5	8.5	8.5	8.6	7.6	7.6	5.5	3.3	4.4	5.5	8.8	10.9	11.9	11.9	14.0	10.8	6.5	5.4	5.4	8.3	14.0	3.3
23	6.5	5.4	1.1	0.0	4.3	9.8	10.8	8.7	6.5	4.4	3.3	5.5	6.6	5.6	7.9	8.9	6.7	5.5	5.5	7.7	4.4	3.3	5.5	5.5	5.8	10.8	0.0
24	4.4	3.3	3.3	2.2	4.4	7.7	6.6	6.6	8.8	7.8	6.8	4.5	6.8	6.9	6.9	8.0	17.0	12.4	11.2	10.1	7.8	5.6	4.4	4.4	7.0	17.0	2.2
25	3.3	4.4	3.3	1.1	0.0	2.2	4.4	3.3	4.5	6.7	5.7	2.3	3.4	3.4	5.7	7.9	6.8	6.7	6.7	7.8	6.7	4.4	4.4	2.2	4.5	7.9	0.0
26	1.1	3.3	5.5	6.6	6.6	5.5	4.4	2.2	4.4	7.8	5.7	6.8	6.8	6.8	10.2	10.2	18.1	19.1	14.5	14.5	12.2	6.7	3.3	2.2	7.7	19.1	1.1
27	0.0	4.4	10.0	6.6	6.6	7.7	6.6	6.6	8.9	11.2	7.9	7.9	5.7	5.7	11.5	20.6	30.8	3.4	5.6	6.7	5.6	3.4	1.1	1.1	7.7	30.8	0.0
28	4.5	8.9	6.7	3.3	5.5	8.8	9.9	7.7	4.4	6.8	10.2	11.3	11.4	21.9	17.3	14.9	14.9	20.4	12.4	9.0	4.5	1.1	2.2	7.8	9.4	21.9	1.1
29	7.8	5.6	6.7	5.6	5.6	6.6	7.7	11.0	8.9	20.2	5.7	6.9	12.6	13.9	12.7	19.6	17.2	15.9	14.7	13.5	11.3	6.7	6.7	6.7	10.4	20.2	5.6
30	4.5	6.7	6.7	4.4	5.5	5.5	5.5	5.5	6.7	3.4	3.4	3.4	1.2	5.8	24.2	36.8	33.2	26.2	23.8	15.8	13.5	6.7	6.7	6.7	10.9	36.8	1.2
31	4.5	4.5	5.6	4.5	3.3	4.4	5.5	5.5	3.3	2.2	3.4	3.4	8.0	8.0	9.1	19.3	26.0	19.1	15.7	16.7	15.6	12.2	7.8	4.5	8.8	26.0	2.2
Avg	14.4	29.8	17.2	19.2	12.7	13.6	17.2	18.9	17.2	20.1	18.0	15.2	12.7	15.1	13.6	16.8	20.5	17.2	15.9	15.0	12.1	11.3	11.1	12.6	16.2	--	--
Max	102.0	600.0	225.0	305.0	52.0	39.5	121.0	133.0	156.0	176.0	169.0	69.7	27.1	79.9	31.9	39.4	56.8	46.1	44.6	53.3	29.0	31.1	30.0	56.2	--	600.0	--
Min	0.0	1.1	1.1	0.0	0.0	2.2	4.3	2.2	3.3	2.2	3.3	2.3	1.2	0.0	0.0	3.3	4.4	3.3	4.4	1.1	1.1	1.1	1.1	1.1	--	--	0.0

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: Table126, conc_PM25_Actual"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	3	1	3	5	3	3	5	5	6	5	3	4	1	-1	0	1	3	4	4	3	3	4	3	4	3.13	6	-1
2	2	2	3	2	2	1	1	1	2	3	3	1	2	4	6	5	0	2	5	2	2	5	7	5	2.83	7	0
3	5	4	4	5	3	4	8	7	3	3	3	3	3	1	0	0	2	4	4	4	3	4	5	6	3.67	8	0
4	5	6	8	7	5	6	8	7	6	4	4	5	5	4	5	5	4	6	4	5	4	5	10	8	5.67	10	4
5	7	7	7	8	6	7	8	8	7	5	5	9	10	6	4	6	6	6	5	6	7	6	7	7	6.67	10	4
6	6	6	6	6	5	4	4	6	4	2	1	0	1	1	0	3	4	3	3	3	3	5	5	6	3.63	6	0
7	6	3	2	4	4	5	5	2	3	2	1	2	1	-1	0	3	4	4	3	1	5	6	3	3	2.96	6	-1
8	2	3	3	5	6	6	6	6	5	3	4	3	1	3	1	1	2	3	4	4	4	5	15	15	4.58	15	1
9	9	7	5	5	6	5	4	5	5	5	7	6	3	3	6	6	3	4	4	4	6	7	8	10	5.54	10	3
10	11	8	6	4	1	3	4	1	1	3	2	3	5	4	3	2	4	6	3	2	5	5	5	3	3.92	11	1
11	4	7	7	5	6	5	3	4	4	5	5	2	2	3	3	2	4	6	7	6	5	4	4	5	4.5	7	2
12	3	2	3	6	5	4	5	5	3	5	6	5	5	5	5	2	2	3	-2	-5	-4	-4	-2	-2	2.29	6	-5
13	-3	-1	2	0	-3	-1	0	-1	0	-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	-3
14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5	2	1	1	1	2	4	4	6	5	--	6	1
18	3	5	4	2	2	3	4	4	5	7	5	3	1	1	-1	0	4	5	4	4	4	3	3	3	3.25	7	-1
19	3	3	2	1	3	3	2	5	6	7	6	5	4	3	2	2	1	2	4	3	2	3	4	4	3.33	7	1
20	3	4	7	5	2	2	7	9	7	2	0	2	4	5	3	2	3	3	5	5	6	9	11	11	4.88	11	0
21	7	20	21	20	21	15	18	18	17	15	16	16	17	13	14	14	21	20	23	21	24	24	18	17	17.9	24	7
22	8	5	3	2	2	2	1	3	4	3	5	7	5	0	-1	0	2	2	3	4	4	4	5	4	3.21	8	-1
23	0	1	8	11	7	3	4	5	3	3	2	0	0	0	0	1	2	3	2	1	1	1	1	4	2.63	11	0
24	6	27	11	10	4	2	2	0	5	7	3	5	5	1	--	--	1	2	1	3	4	5	6	3	5.14	27	0
25	2	1	3	4	3	--	--	--	--	--	3	4	3	2	0	1	3	2	3	2	3	3	2	2	2.42	4	0
26	1	3	3	2	4	5	2	3	6	6	3	4	6	6	6	7	8	7	8	8	6	7	6	5	5.08	8	1
27	5	4	5	5	5	7	6	4	4	2	4	2	1	1	1	3	5	5	2	2	4	4	4	3	3.67	7	1
28	0	1	3	6	10	7	5	6	6	8	8	4	4	4	2	4	4	4	6	5	2	3	3	5	4.58	10	0
29	6	4	5	6	5	6	6	6	7	5	6	8	6	3	2	2	4	5	5	4	4	5	5	5	5	8	2
30	4	4	6	6	4	3	5	5	7	7	4	2	3	4	3	4	7	8	5	4	1	2	3	2	4.29	8	1
31	5	9	9	8	7	6	6	6	7	4	2	2	3	3	--	--	--	6	6	4	5	5	5	5	5.38	9	2
Avg	4.19	5.41	5.52	5.56	4.74	4.46	4.96	5	5.12	4.62	4.27	4.12	3.88	3	2.76	3.12	4	4.67	4.52	3.96	4.33	4.96	5.63	5.48	4.62	--	--
Max	11	27	21	20	21	15	18	18	17	15	16	16	17	13	14	14	21	20	23	21	24	24	18	17	--	27	--
Min	-3	-1	2	0	-3	-1	0	-1	0	-1	0	0	0	-1	-1	0	0	1	-2	-5	-4	-4	-2	-2	--	--	-5

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: Table126, conc_PM25_Actual"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	5	4	4	3	5	6	3	3	5	4	4	6	4	2	5	6	4	5	5	6	4	3	6	8	4.58	8	2
2	9	7	6	6	4	4	6	5	6	6	4	4	4	3	2	3	4	7	7	6	6	5	4	4	5.08	9	2
3	6	6	3	6	6	4	5	7	7	6	7	7	6	5	3	1	2	2	2	3	3	3	2	2	4.33	7	1
4	0	0	2	4	3	3	3	2	3	4	2	3	3	2	1	3	5	5	2	0	3	5	5	3	2.75	5	0
5	2	3	4	2	3	3	1	3	4	5	3	2	3	2	3	3	0	1	4	4	3	3	4	4	2.88	5	0
6	3	3	2	1	1	1	1	2	2	2	2	1	2	2	1	1	0	1	1	1	1	1	4	3	1.63	4	0
7	1	3	3	2	3	2	3	2	1	2	-1	0	2	2	3	2	2	1	2	2	2	3	4	3	2.04	4	-1
8	4	6	3	1	2	3	2	1	2	2	2	2	2	3	3	1	2	4	4	3	2	3	4	2	2.63	6	1
9	1	-1	0	3	4	2	1	3	4	3	1	2	0	-1	-1	-1	0	1	1	2	2	3	3	4	1.5	4	-1
10	4	4	3	2	1	2	4	2	1	2	2	4	4	2	2	0	-2	1	5	4	3	3	3	3	2.46	5	-2
11	3	3	2	2	2	3	4	5	5	3	3	3	-1	-1	2	1	0	3	4	4	4	3	3	2	2.58	5	-1
12	2	0	2	3	3	5	4	4	5	4	3	1	3	2	2	3	2	3	5	3	2	3	0	0	2.67	5	0
13	0	2	3	1	2	2	3	4	2	1	-1	0	0	1	2	2	4	5	4	4	4	6	6	3	2.5	6	-1
14	3	4	3	3	2	1	5	5	4	4	4	3	3	2	3	3	2	3	7	6	3	2	5	6	3.58	7	1
15	5	3	2	0	-1	4	3	2	4	3	2	3	4	4	2	4	6	3	2	4	7	6	3	3	3.25	7	-1
16	1	0	1	1	-1	1	3	1	4	6	4	1	0	2	--	--	3	2	2	3	4	6	6	5	2.5	6	-1
17	4	3	4	3	3	4	5	3	4	5	--	--	5	6	6	4	5	4	5	8	7	6	6	6	4.82	8	3
18	6	3	3	3	4	6	5	2	2	2	1	0	-1	-1	-1	0	-1	-1	1	-1	0	2	2	1	1.54	6	-1
19	1	0	0	3	3	2	2	5	6	3	0	2	1	1	1	0	2	3	3	3	2	1	1	3	2	6	0
20	4	2	2	2	1	2	4	6	4	--	4	5	3	3	4	2	3	4	3	5	4	4	5	3	3.43	6	1
21	2	2	4	6	5	6	8	9	6	5	4	3	3	-1	3	7	7	7	3	1	0	0	2	0	3.83	9	-1
22	0	1	2	1	4	16	12	15	6	6	6	7	6	5	5	6	6	5	3	5	4	5	7	4	5.71	16	0
23	1	0	2	1	2	5	2	-1	0	1	0	-1	-2	-2	-1	0	2	1	1	2	6	6	3	1	1.21	6	-2
24	0	2	1	3	5	4	2	5	7	6	4	2	2	2	2	1	2	7	6	4	4	7	8	6	3.83	8	0
25	4	4	6	3	3	4	3	3	2	5	3	1	2	4	6	3	5	8	8	7	4	4	4	3	4.13	8	1
26	3	2	1	2	4	3	8	9	8	6	4	6	2	0	1	-1	-2	3	5	3	3	3	4	3	3.33	9	-2
27	1	2	3	1	4	6	2	2	3	3	2	0	2	1	0	2	3	4	6	7	8	6	6	7	3.38	8	0
28	6	5	5	7	8	9	8	7	7	5	7	8	5	2	5	6	4	6	7	6	6	4	1	0	5.58	9	0
29	2	6	6	2	1	3	3	2	5	6	5	5	5	5	5	6	6	6	6	5	3	5	5	3	4.42	6	1
30	4	3	3	6	4	3	4	2	3	5	5	--	--	5	3	2	1	2	5	6	4	3	5	6	3.82	6	1
Avg	2.9	2.73	2.83	2.77	3	3.97	3.97	4	4.07	3.97	2.97	2.86	2.48	2.07	2.48	2.41	2.57	3.53	3.97	3.87	3.6	3.8	4.03	3.37	3.27	--	--
Max	9	7	6	7	8	16	12	15	8	6	7	8	6	6	6	7	7	8	8	8	8	7	8	8	--	16	--
Min	0	-1	0	0	-1	1	1	-1	0	1	-1	-1	-2	-2	-1	-1	-2	-1	1	-1	0	0	0	0	--	--	-2

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: Table126, conc_PM25_Actual"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	6	6	4	3	5	6	6	6	6	6	6	6	6	5	6	4	4	7	6	5	7	10	8	6	5.83	10	3
2	7	7	5	6	7	6	5	6	6	6	5	4	3	3	2	4	4	3	3	4	3	4	7	7	4.88	7	2
3	8	9	6	6	4	4	7	5	6	7	5	5	10	10	7	4	3	2	2	3	5	5	4	4	5.46	10	2
4	5	5	5	3	3	5	5	7	5	2	3	4	3	5	5	6	8	9	7	7	8	7	9	9	5.63	9	2
5	5	3	4	3	2	3	3	3	2	3	6	7	4	1	3	5	--	2	4	3	2	4	5	3	3.48	7	1
6	2	3	1	2	2	1	3	3	6	6	4	2	3	7	8	4	2	1	2	4	--	--	--	19	4.05	19	1
7	36	97	161	141	49	21	90	109	84	148	109	--	--	110	12	9	6	4	2	1	1	6	5	1	54.6	161	1
8	-1	1	3	2	2	2	6	5	0	2	3	1	1	2	3	3	2	7	8	3	3	4	2	0	2.67	8	-1
9	0	1	2	0	-2	0	0	1	1	0	0	2	4	3	2	2	2	2	4	6	5	2	1	2	1.67	6	-2
10	6	9	8	5	3	2	0	0	1	2	7	7	1	0	-1	3	3	0	4	3	3	3	3	5	3.21	9	-1
11	5	2	2	4	2	2	0	1	2	2	1	1	3	3	4	5	4	21	4	4	1	5	7	3	3.67	21	0
12	1	0	5	5	5	6	5	6	6	5	6	4	5	4	4	4	4	4	3	3	4	4	4	5	4.25	6	0
13	4	5	6	3	-1	1	4	5	4	4	4	3	2	3	1	1	5	7	7	7	6	4	7	8	4.17	8	-1
14	6	5	3	5	6	6	7	--	--	--	0	2	28	5	6	9	10	7	6	9	9	8	8	6	7.19	28	0
15	5	4	3	6	7	3	3	7	8	6	6	7	7	10	9	6	6	8	8	6	7	7	8	7	6.42	10	3
16	6	7	7	7	7	8	9	10	9	7	5	4	5	4	4	5	6	6	5	5	6	6	5	5	6.17	10	4
17	6	7	8	7	6	5	4	5	4	4	4	3	4	3	0	1	1	4	6	4	4	5	3	3	4.21	8	0
18	3	3	3	3	1	0	2	3	5	6	4	3	2	2	4	3	3	5	7	7	5	4	6	8	3.83	8	0
19	6	5	5	4	5	7	7	6	4	5	6	4	5	5	5	6	6	8	9	8	10	11	10	8	6.46	11	4
20	8	6	5	7	6	2	5	7	8	8	8	7	5	5	4	5	5	4	5	7	5	6	8	5	5.88	8	2
21	3	2	2	2	4	7	10	15	--	--	--	--	--	--	--	--	--	4	3	2	1	3	2	3	--	15	1
22	4	1	1	3	1	2	4	3	2	1	1	0	2	3	2	2	3	3	2	3	6	3	2	2	2.33	6	0
23	3	4	3	2	2	3	2	1	1	3	3	1	-1	-1	2	0	1	0	0	4	2	2	3	2	1.75	4	-1
24	2	2	1	1	1	1	2	3	2	1	0	0	2	0	1	5	2	2	4	3	2	3	3	2	1.88	5	0
25	2	4	4	2	2	4	4	5	4	2	1	-1	0	2	5	4	3	5	5	6	5	3	3	1	3.13	6	-1
26	-1	0	4	4	2	3	4	4	2	1	2	1	0	4	6	4	5	6	6	5	4	1	1	3	2.96	6	-1
27	1	0	2	4	2	0	1	4	3	-1	1	3	3	2	1	2	3	4	3	1	2	3	3	4	2.13	4	-1
28	3	5	4	4	7	2	1	6	5	2	0	0	-1	-2	-2	0	3	2	2	2	2	3	2	2	2.17	7	-2
29	2	3	3	1	1	2	3	4	2	0	1	3	3	2	3	4	4	5	4	3	4	3	4	4	2.83	5	0
30	3	4	2	0	1	0	1	1	1	0	0	0	-1	1	2	1	3	5	5	3	3	2	2	4	1.79	5	-1
31	4	2	1	2	1	0	1	-2	-1	2	3	5	2	1	0	2	5	3	3	3	2	2	1	1	1.79	5	-2
Avg	4.84	6.84	8.81	7.97	4.61	3.68	6.58	7.97	6.48	8.28	6.8	3.03	3.79	6.73	3.6	3.77	4	4.84	4.48	4.32	4.23	4.43	4.53	4.58	5.55	--	--
Max	36	97	161	141	49	21	90	109	84	148	109	7	28	110	12	9	10	21	9	9	10	11	10	19	--	161	--
Min	-1	0	1	0	-2	0	0	-2	-1	-1	0	-1	-1	-2	-2	0	1	0	0	1	1	1	1	0	--	--	-2

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant
"Component, Channel: Table125, conc_PM10_Actual"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.0	25.0	7.0	8.0	22.0	38.0	18.0	9.0	8.0	8.0	7.0	5.0	5.0	6.0	11.0	12.0	18.0	21.0	14.0	20.0	38.0	23.0	25.0	33.0	16.9	38.0	5.0
2	14.0	10.0	7.0	5.0	2.0	6.0	79.0	149.0	15.0	12.0	8.0	18.0	22.0	43.0	79.0	33.0	24.0	36.0	21.0	18.0	15.0	59.0	15.0	20.0	29.6	149.0	2.0
3	14.0	13.0	23.0	17.0	13.0	16.0	17.0	15.0	14.0	11.0	9.0	7.0	4.0	6.0	17.0	9.0	12.0	15.0	28.0	15.0	10.0	16.0	7.0	6.0	13.1	28.0	4.0
4	3.0	6.0	8.0	7.0	7.0	15.0	54.0	14.0	11.0	10.0	12.0	37.0	--	6.0	7.0	38.0	14.0	13.0	12.0	18.0	18.0	15.0	15.0	12.0	15.3	54.0	3.0
5	13.0	14.0	10.0	9.0	18.0	27.0	30.0	43.0	40.0	37.0	16.0	22.0	40.0	20.0	34.0	16.0	38.0	30.0	31.0	26.0	40.0	15.0	18.0	10.0	24.9	43.0	9.0
6	12.0	12.0	11.0	12.0	27.0	98.0	87.0	95.0	19.0	16.0	15.0	32.0	19.0	52.0	42.0	12.0	24.0	25.0	43.0	31.0	26.0	18.0	16.0	14.0	31.6	98.0	11.0
7	21.0	8.0	10.0	9.0	51.0	9.0	16.0	15.0	40.0	3.0	0.0	2.0	5.0	3.0	6.0	34.0	9.0	9.0	23.0	46.0	8.0	9.0	11.0	31.0	15.7	51.0	0.0
8	11.0	11.0	10.0	10.0	12.0	19.0	38.0	14.0	14.0	12.0	16.0	17.0	14.0	11.0	9.0	19.0	14.0	23.0	42.0	19.0	62.0	11.0	55.0	93.0	23.2	93.0	9.0
9	80.0	26.0	14.0	13.0	12.0	40.0	35.0	21.0	14.0	16.0	22.0	19.0	14.0	27.0	31.0	23.0	25.0	21.0	31.0	49.0	84.0	132.0	111.0	88.0	39.5	132.0	12.0
10	36.0	13.0	11.0	5.0	3.0	7.0	9.0	21.0	155.0	62.0	24.0	28.0	18.0	19.0	--	--	--	--	--	--	--	--	--	--	--	155.0	3.0
11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	29.0	23.0	33.0	23.0	17.0	15.0	24.0	39.0	45.0	29.0	--	45.0	15.0
12	17.0	17.0	15.0	20.0	17.0	32.0	34.0	185.0	26.0	24.0	14.0	22.0	7.0	23.0	22.0	23.0	11.0	51.0	31.0	417.0	26.0	6.0	20.0	11.0	44.6	417.0	6.0
13	11.0	9.0	10.0	16.0	2.0	27.0	79.0	235.0	25.0	22.0	17.0	14.0	31.0	29.0	32.0	15.0	14.0	13.0	47.0	46.0	18.0	12.0	108.0	28.0	35.8	235.0	2.0
14	11.0	37.0	32.0	11.0	23.0	16.0	67.0	30.0	17.0	9.0	9.0	7.0	2.0	4.0	6.0	6.0	7.0	10.0	49.0	25.0	30.0	8.0	16.0	12.0	18.5	67.0	2.0
15	32.0	13.0	12.0	16.0	16.0	20.0	14.0	23.0	12.0	16.0	29.0	11.0	8.0	4.0	3.0	5.0	8.0	7.0	80.0	25.0	23.0	22.0	31.0	30.0	19.2	80.0	3.0
16	23.0	27.0	24.0	18.0	60.0	27.0	23.0	26.0	129.0	74.0	28.0	38.0	30.0	30.0	17.0	18.0	6.0	7.0	10.0	11.0	8.0	10.0	12.0	10.0	27.7	129.0	6.0
17	10.0	8.0	8.0	7.0	9.0	9.0	11.0	19.0	13.0	20.0	10.0	9.0	11.0	15.0	10.0	9.0	7.0	8.0	11.0	16.0	29.0	13.0	13.0	13.0	12.0	29.0	7.0
18	13.0	13.0	35.0	17.0	11.0	20.0	62.0	50.0	18.0	10.0	27.0	16.0	15.0	12.0	37.0	3.0	8.0	20.0	18.0	12.0	22.0	17.0	21.0	11.0	20.3	62.0	3.0
19	8.0	7.0	9.0	7.0	8.0	10.0	21.0	16.0	17.0	28.0	22.0	15.0	16.0	11.0	11.0	17.0	30.0	13.0	31.0	20.0	21.0	20.0	23.0	17.0	16.6	31.0	7.0
20	17.0	17.0	16.0	22.0	11.0	13.0	19.0	13.0	18.0	11.0	12.0	25.0	16.0	35.0	24.0	24.0	28.0	48.0	62.0	47.0	49.0	127.0	77.0	71.0	33.4	127.0	11.0
21	270.0	111.0	124.0	115.0	144.0	164.0	145.0	108.0	110.0	92.0	105.0	107.0	98.0	93.0	100.0	103.0	119.0	99.0	107.0	110.0	119.0	118.0	99.0	98.0	119.0	270.0	92.0
22	31.0	23.0	17.0	12.0	12.0	22.0	18.0	10.0	41.0	3.0	6.0	9.0	8.0	6.0	6.0	16.0	18.0	14.0	23.0	24.0	42.0	16.0	13.0	10.0	16.7	42.0	3.0
23	3.0	2.0	5.0	4.0	4.0	6.0	22.0	55.0	17.0	9.0	6.0	22.0	-1.0	6.0	27.0	22.0	16.0	14.0	28.0	18.0	16.0	6.0	7.0	134.0	18.7	134.0	-1.0
24	135.0	243.0	120.0	111.0	12.0	10.0	11.0	42.0	80.0	62.0	35.0	30.0	24.0	18.0	21.0	15.0	13.0	19.0	16.0	25.0	29.0	34.0	25.0	35.0	48.5	243.0	10.0
25	52.0	53.0	41.0	24.0	56.0	27.0	37.0	26.0	73.0	36.0	37.0	15.0	14.0	11.0	18.0	12.0	12.0	17.0	11.0	15.0	15.0	9.0	9.0	10.0	26.3	73.0	9.0
26	18.0	15.0	12.0	10.0	17.0	17.0	39.0	19.0	--	24.0	16.0	27.0	28.0	38.0	48.0	17.0	19.0	22.0	42.0	24.0	--	23.0	26.0	21.0	23.7	48.0	10.0
27	21.0	32.0	17.0	17.0	16.0	15.0	18.0	13.0	23.0	10.0	6.0	5.0	6.0	4.0	5.0	6.0	10.0	13.0	33.0	25.0	17.0	10.0	8.0	8.0	14.1	33.0	4.0
28	8.0	7.0	23.0	31.0	35.0	38.0	43.0	44.0	32.0	--	--	--	--	--	--	--	--	--	--	--	--	23.0	--	--	--	44.0	7.0
29	--	--	--	--	--	--	--	--	28.0	22.0	--	25.0	--	--	--	--	13.0	--	--	39.0	21.0	20.0	--	--	--	39.0	13.0
30	--	18.0	--	--	--	--	62.0	75.0	--	--	15.0	9.0	11.0	17.0	9.0	8.0	11.0	17.0	19.0	16.0	17.0	11.0	11.0	20.0	--	75.0	8.0
31	39.0	40.0	34.0	24.0	22.0	19.0	11.0	12.0	12.0	11.0	9.0	10.0	11.0	--	--	15.0	11.0	9.0	8.0	7.0	7.0	8.0	6.0	3.0	14.9	40.0	3.0
Avg	33.8	28.6	23.8	20.6	22.9	27.4	38.6	48.2	36.5	23.9	19.0	20.8	17.6	20.3	24.5	19.8	19.7	22.0	31.7	40.7	29.8	28.3	30.1	31.4	27.7	--	--
Max	270.0	243.0	124.0	115.0	144.0	164.0	145.0	235.0	155.0	92.0	105.0	107.0	98.0	93.0	100.0	103.0	119.0	99.0	107.0	417.0	119.0	132.0	111.0	134.0	--	417.0	--
Min	3.0	2.0	5.0	4.0	2.0	6.0	9.0	9.0	8.0	3.0	0.0	2.0	-1.0	3.0	3.0	3.0	6.0	7.0	8.0	7.0	7.0	6.0	6.0	3.0	--	--	-1.0

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant
"Component, Channel: Table125, conc_PM10_Actual"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	-1.0	1.0	3.0	0.0	3.0	7.0	8.0	8.0	7.0	8.0	24.0	11.0	18.0	17.0	16.0	18.0	15.0	18.0	19.0	17.0	16.0	11.0	22.0	11.1	24.0	-1.0
2	19.0	11.0	12.0	13.0	12.0	11.0	9.0	8.0	10.0	17.0	11.0	9.0	7.0	5.0	6.0	10.0	13.0	21.0	19.0	9.0	10.0	12.0	11.0	8.0	11.4	21.0	5.0
3	7.0	6.0	7.0	7.0	6.0	11.0	20.0	10.0	11.0	12.0	9.0	7.0	7.0	8.0	30.0	9.0	9.0	10.0	13.0	11.0	6.0	4.0	6.0	8.0	9.8	30.0	4.0
4	5.0	5.0	6.0	5.0	6.0	11.0	10.0	6.0	6.0	8.0	8.0	8.0	7.0	3.0	3.0	6.0	12.0	13.0	13.0	12.0	17.0	19.0	26.0	14.0	9.5	26.0	3.0
5	13.0	--	3.0	5.0	5.0	5.0	8.0	7.0	4.0	6.0	5.0	2.0	3.0	6.0	8.0	8.0	8.0	9.0	10.0	9.0	7.0	7.0	6.0	5.0	6.5	13.0	2.0
6	6.0	3.0	0.0	0.0	4.0	4.0	27.0	6.0	8.0	16.0	3.0	5.0	8.0	6.0	7.0	7.0	4.0	3.0	6.0	6.0	4.0	7.0	7.0	5.0	6.3	27.0	0.0
7	4.0	6.0	8.0	5.0	2.0	22.0	22.0	35.0	15.0	8.0	7.0	3.0	1.0	3.0	5.0	7.0	8.0	5.0	3.0	5.0	6.0	7.0	8.0	6.0	8.4	35.0	1.0
8	6.0	9.0	12.0	9.0	5.0	6.0	5.0	3.0	7.0	8.0	6.0	6.0	10.0	7.0	5.0	8.0	9.0	8.0	8.0	5.0	3.0	4.0	3.0	4.0	6.5	12.0	3.0
9	4.0	2.0	2.0	4.0	8.0	8.0	5.0	6.0	10.0	7.0	1.0	-1.0	0.0	0.0	0.0	2.0	6.0	11.0	10.0	8.0	9.0	10.0	8.0	5.0	5.2	11.0	-1.0
10	5.0	7.0	6.0	3.0	1.0	0.0	1.0	5.0	5.0	4.0	4.0	4.0	6.0	6.0	4.0	7.0	9.0	9.0	15.0	16.0	17.0	15.0	15.0	15.0	7.5	17.0	0.0
11	14.0	9.0	6.0	5.0	8.0	10.0	12.0	10.0	10.0	11.0	6.0	3.0	2.0	7.0	9.0	3.0	2.0	20.0	22.0	3.0	5.0	8.0	6.0	1.0	8.0	22.0	1.0
12	-4.0	-3.0	3.0	2.0	5.0	11.0	7.0	3.0	5.0	6.0	2.0	2.0	4.0	5.0	73.0	18.0	6.0	20.0	39.0	4.0	5.0	5.0	4.0	2.0	9.3	73.0	-4.0
13	1.0	1.0	4.0	5.0	1.0	4.0	40.0	132.0	9.0	10.0	10.0	7.0	6.0	9.0	12.0	12.0	10.0	28.0	21.0	16.0	40.0	22.0	16.0	12.0	17.8	132.0	1.0
14	13.0	9.0	5.0	3.0	3.0	8.0	18.0	14.0	15.0	9.0	9.0	16.0	18.0	16.0	15.0	11.0	11.0	24.0	18.0	21.0	16.0	19.0	10.0	9.0	12.9	24.0	3.0
15	8.0	8.0	7.0	5.0	4.0	5.0	6.0	8.0	13.0	11.0	7.0	7.0	5.0	0.0	4.0	10.0	8.0	8.0	11.0	17.0	18.0	9.0	8.0	8.0	8.1	18.0	0.0
16	5.0	2.0	1.0	1.0	4.0	7.0	7.0	6.0	5.0	5.0	8.0	--	10.0	10.0	13.0	18.0	9.0	12.0	19.0	12.0	11.0	9.0	16.0	11.0	8.7	19.0	1.0
17	11.0	10.0	10.0	11.0	13.0	13.0	19.0	12.0	22.0	19.0	15.0	23.0	--	22.0	14.0	13.0	12.0	12.0	15.0	13.0	13.0	14.0	15.0	14.0	14.6	23.0	10.0
18	12.0	8.0	7.0	7.0	7.0	8.0	62.0	19.0	8.0	7.0	6.0	6.0	7.0	6.0	3.0	1.0	4.0	7.0	8.0	4.0	4.0	7.0	4.0	4.0	9.0	62.0	1.0
19	2.0	6.0	12.0	22.0	56.0	14.0	17.0	14.0	17.0	35.0	42.0	12.0	12.0	10.0	7.0	6.0	6.0	7.0	6.0	8.0	8.0	8.0	8.0	7.0	14.3	56.0	2.0
20	7.0	11.0	11.0	17.0	11.0	13.0	20.0	17.0	20.0	17.0	18.0	11.0	11.0	15.0	11.0	18.0	17.0	18.0	12.0	13.0	15.0	15.0	13.0	10.0	14.2	20.0	7.0
21	11.0	13.0	10.0	10.0	11.0	10.0	16.0	21.0	29.0	14.0	12.0	10.0	8.0	10.0	31.0	34.0	20.0	22.0	18.0	25.0	16.0	8.0	7.0	9.0	15.6	34.0	7.0
22	10.0	9.0	43.0	65.0	32.0	61.0	83.0	69.0	47.0	49.0	56.0	42.0	38.0	33.0	27.0	20.0	19.0	19.0	21.0	19.0	17.0	27.0	18.0	17.0	35.0	83.0	9.0
23	16.0	11.0	10.0	9.0	11.0	9.0	6.0	3.0	5.0	10.0	10.0	9.0	3.0	3.0	9.0	11.0	11.0	9.0	12.0	13.0	11.0	10.0	9.0	15.0	9.4	16.0	3.0
24	5.0	6.0	4.0	5.0	10.0	10.0	9.0	11.0	27.0	11.0	10.0	10.0	12.0	13.0	12.0	8.0	7.0	20.0	17.0	14.0	21.0	9.0	9.0	8.0	11.2	27.0	4.0
25	9.0	12.0	11.0	7.0	6.0	5.0	7.0	7.0	6.0	5.0	6.0	8.0	16.0	17.0	28.0	27.0	24.0	28.0	57.0	16.0	26.0	14.0	15.0	16.0	15.5	57.0	5.0
26	13.0	11.0	6.0	6.0	21.0	13.0	12.0	11.0	23.0	12.0	8.0	7.0	8.0	3.0	3.0	4.0	7.0	19.0	8.0	6.0	8.0	9.0	8.0	8.0	9.8	23.0	3.0
27	8.0	6.0	5.0	4.0	3.0	6.0	10.0	11.0	11.0	11.0	9.0	8.0	8.0	10.0	16.0	19.0	15.0	18.0	18.0	22.0	17.0	11.0	18.0	30.0	12.2	30.0	3.0
28	40.0	37.0	52.0	58.0	61.0	51.0	42.0	66.0	46.0	49.0	31.0	32.0	25.0	29.0	32.0	18.0	49.0	56.0	43.0	17.0	15.0	13.0	17.0	10.0	37.0	66.0	10.0
29	10.0	9.0	10.0	12.0	19.0	24.0	35.0	24.0	27.0	--	48.0	27.0	--	--	26.0	21.0	29.0	27.0	20.0	14.0	14.0	14.0	17.0	18.0	21.2	48.0	9.0
30	10.0	11.0	13.0	12.0	13.0	--	29.0	19.0	--	--	--	--	--	8.0	18.0	11.0	24.0	46.0	36.0	15.0	--	10.0	8.0	11.0	--	46.0	8.0
Avg	9.0	8.1	9.6	10.7	11.6	12.5	19.0	19.0	14.8	13.7	12.9	11.0	9.4	9.9	14.9	12.1	12.9	17.5	17.9	12.4	13.0	11.4	10.9	10.4	12.6	--	--
Max	40.0	37.0	52.0	65.0	61.0	61.0	83.0	132.0	47.0	49.0	56.0	42.0	38.0	33.0	73.0	34.0	49.0	56.0	57.0	25.0	40.0	27.0	26.0	30.0	--	132.0	--
Min	-4.0	-3.0	0.0	0.0	0.0	0.0	1.0	3.0	4.0	4.0	1.0	-1.0	0.0	0.0	0.0	1.0	2.0	3.0	3.0	3.0	3.0	4.0	3.0	1.0	--	--	-4.0

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant
"Component, Channel: Table125, conc_PM10_Actual"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	13.0	13.0	19.0	17.0	17.0	16.0	21.0	16.0	16.0	16.0	11.0	22.0	15.0	--	--	14.0	15.0	15.0	14.0	13.0	11.0	17.0	9.0	10.0	15.0	22.0	9.0
2	10.0	11.0	16.0	17.0	15.0	16.0	14.0	12.0	19.0	12.0	--	--	--	--	--	12.0	12.0	10.0	9.0	11.0	15.0	8.0	15.0	18.0	13.3	19.0	8.0
3	19.0	14.0	14.0	16.0	17.0	15.0	13.0	12.0	52.0	--	--	10.0	10.0	11.0	14.0	14.0	12.0	9.0	9.0	7.0	10.0	11.0	6.0	8.0	13.8	52.0	6.0
4	--	--	15.0	--	--	15.0	34.0	76.0	61.0	--	--	--	14.0	18.0	32.0	17.0	25.0	24.0	19.0	19.0	24.0	18.0	19.0	25.0	--	76.0	14.0
5	20.0	14.0	9.0	7.0	11.0	12.0	43.0	15.0	12.0	13.0	20.0	12.0	8.0	7.0	33.0	23.0	11.0	10.0	8.0	6.0	7.0	17.0	9.0	7.0	13.9	43.0	6.0
6	8.0	9.0	8.0	6.0	3.0	5.0	16.0	23.0	10.0	10.0	22.0	6.0	5.0	24.0	14.0	11.0	7.0	5.0	20.0	182.0	47.0	41.0	27.0	321.0	34.6	321.0	3.0
7	--	985.0	985.0	--	--	--	--	--	--	195.0	285.0	38.0	45.0	14.0	12.0	9.0	6.0	7.0	8.0	8.0	9.0	10.0	12.0	11.0	--	985.0	6.0
8	7.0	3.0	1.0	3.0	4.0	1.0	38.0	1.0	1.0	4.0	5.0	4.0	58.0	59.0	18.0	7.0	9.0	16.0	17.0	19.0	13.0	10.0	16.0	7.0	13.4	59.0	1.0
9	7.0	10.0	9.0	15.0	12.0	8.0	4.0	7.0	6.0	7.0	11.0	9.0	7.0	5.0	3.0	4.0	4.0	6.0	5.0	5.0	6.0	7.0	10.0	10.0	7.4	15.0	3.0
10	46.0	58.0	15.0	21.0	7.0	25.0	9.0	8.0	6.0	6.0	6.0	3.0	1.0	1.0	4.0	4.0	0.0	5.0	6.0	3.0	6.0	8.0	5.0	3.0	10.7	58.0	0.0
11	5.0	3.0	3.0	4.0	2.0	0.0	3.0	4.0	2.0	6.0	7.0	9.0	11.0	8.0	5.0	5.0	7.0	6.0	2.0	2.0	5.0	7.0	5.0	5.0	4.8	11.0	0.0
12	7.0	9.0	6.0	6.0	6.0	6.0	6.0	6.0	11.0	32.0	17.0	9.0	10.0	12.0	30.0	15.0	31.0	26.0	13.0	11.0	8.0	9.0	13.0	13.0	13.0	32.0	6.0
13	13.0	14.0	11.0	11.0	12.0	18.0	23.0	13.0	16.0	13.0	12.0	11.0	9.0	6.0	4.0	6.0	17.0	21.0	17.0	21.0	21.0	16.0	15.0	17.0	14.0	23.0	4.0
14	16.0	14.0	14.0	13.0	17.0	35.0	167.0	17.0	24.0	12.0	10.0	21.0	16.0	17.0	15.0	13.0	13.0	24.0	29.0	15.0	15.0	20.0	27.0	18.0	24.2	167.0	10.0
15	17.0	12.0	33.0	10.0	22.0	32.0	18.0	11.0	9.0	11.0	15.0	13.0	11.0	12.0	17.0	18.0	14.0	16.0	16.0	10.0	9.0	15.0	11.0	13.0	15.2	33.0	9.0
16	14.0	15.0	11.0	17.0	9.0	9.0	18.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18.0	9.0
17	--	--	--	--	--	--	--	--	-5.0	-3.0	-2.0	-3.0	1.0	3.0	1.0	0.0	1.0	1.0	2.0	1.0	-2.0	0.0	2.0	3.0	--	3.0	-5.0
18	5.0	1.0	0.0	4.0	4.0	3.0	2.0	5.0	8.0	7.0	6.0	5.0	17.0	15.0	20.0	27.0	7.0	15.0	17.0	6.0	7.0	8.0	9.0	8.0	8.6	27.0	0.0
19	8.0	10.0	7.0	6.0	7.0	7.0	23.0	50.0	18.0	10.0	15.0	12.0	12.0	50.0	28.0	21.0	21.0	22.0	24.0	14.0	11.0	11.0	16.0	11.0	17.3	50.0	6.0
20	8.0	7.0	8.0	6.0	8.0	9.0	6.0	6.0	21.0	7.0	7.0	6.0	5.0	6.0	7.0	5.0	--	14.0	14.0	11.0	6.0	6.0	6.0	4.0	8.0	21.0	4.0
21	4.0	6.0	6.0	8.0	12.0	26.0	67.0	94.0	121.0	59.0	43.0	36.0	20.0	12.0	27.0	24.0	31.0	25.0	24.0	15.0	14.0	18.0	10.0	12.0	29.7	121.0	4.0
22	11.0	8.0	4.0	2.0	6.0	6.0	5.0	7.0	11.0	13.0	11.0	7.0	4.0	4.0	8.0	8.0	6.0	11.0	13.0	10.0	7.0	9.0	7.0	5.0	7.6	13.0	2.0
23	5.0	5.0	3.0	5.0	6.0	5.0	8.0	9.0	5.0	-2.0	0.0	3.0	3.0	5.0	3.0	3.0	5.0	7.0	17.0	9.0	7.0	7.0	8.0	5.0	5.5	17.0	-2.0
24	3.0	3.0	1.0	0.0	5.0	7.0	11.0	11.0	6.0	7.0	10.0	7.0	1.0	4.0	8.0	7.0	15.0	9.0	11.0	14.0	16.0	7.0	8.0	5.0	7.3	16.0	0.0
25	4.0	4.0	2.0	2.0	5.0	10.0	9.0	19.0	16.0	3.0	3.0	3.0	1.0	1.0	9.0	27.0	11.0	78.0	15.0	17.0	7.0	9.0	7.0	2.0	11.0	78.0	1.0
26	2.0	8.0	8.0	5.0	10.0	10.0	8.0	10.0	56.0	2.0	2.0	1.0	1.0	5.0	8.0	16.0	28.0	36.0	52.0	19.0	4.0	4.0	5.0	7.0	12.8	56.0	1.0
27	8.0	6.0	5.0	4.0	4.0	11.0	35.0	36.0	13.0	11.0	21.0	5.0	1.0	1.0	17.0	18.0	14.0	26.0	9.0	8.0	7.0	6.0	4.0	0.0	11.3	36.0	0.0
28	0.0	2.0	0.0	0.0	4.0	5.0	9.0	10.0	52.0	12.0	39.0	4.0	5.0	4.0	17.0	14.0	12.0	17.0	15.0	29.0	6.0	4.0	5.0	5.0	11.3	52.0	0.0
29	3.0	2.0	4.0	3.0	5.0	4.0	3.0	9.0	10.0	4.0	6.0	11.0	14.0	12.0	18.0	14.0	25.0	20.0	33.0	18.0	7.0	8.0	8.0	6.0	10.3	33.0	2.0
30	6.0	4.0	3.0	6.0	4.0	4.0	4.0	3.0	2.0	1.0	4.0	8.0	10.0	6.0	38.0	23.0	27.0	34.0	30.0	24.0	15.0	14.0	17.0	20.0	12.8	38.0	1.0
31	8.0	6.0	7.0	6.0	6.0	20.0	8.0	8.0	6.0	2.0	4.0	5.0	3.0	4.0	15.0	29.0	14.0	38.0	79.0	60.0	10.0	8.0	5.0	1.0	14.7	79.0	1.0
Avg	9.9	43.3	40.9	7.9	8.6	11.7	21.6	17.8	20.2	16.8	21.9	9.9	11.0	11.6	15.2	13.6	13.8	18.4	18.2	19.6	10.9	11.1	10.5	19.3	13.4	--	--
Max	46.0	985.0	985.0	21.0	22.0	35.0	167.0	94.0	121.0	195.0	285.0	38.0	58.0	59.0	38.0	29.0	31.0	78.0	79.0	182.0	47.0	41.0	27.0	321.0	--	985.0	--
Min	0.0	1.0	0.0	0.0	2.0	0.0	2.0	1.0	-5.0	-3.0	-2.0	-3.0	1.0	1.0	1.0	0.0	0.0	1.0	2.0	1.0	-2.0	0.0	2.0	0.0	--	--	-5.0

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, West_Plant_conc_PM10_STP"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	26.6	27.6	7.7	8.8	24.2	41.7	19.8	10.0	8.9	9.0	7.9	5.7	5.7	6.8	12.5	13.7	20.6	24.0	15.9	22.6	42.7	25.8	27.9	36.7	18.9	42.7	5.7
2	15.6	11.1	7.8	5.5	2.2	6.6	87.4	165.0	16.7	13.5	9.0	20.3	24.9	48.8	89.8	37.5	27.2	40.6	23.5	20.1	16.6	65.3	16.6	22.1	33.1	165.0	2.2
3	15.4	14.3	25.3	18.6	14.2	17.6	18.7	16.6	15.6	12.3	10.1	7.9	4.6	6.9	19.5	10.3	13.7	17.0	31.6	16.8	11.2	17.8	7.8	6.7	14.6	31.6	4.6
4	3.3	6.6	8.8	7.7	7.7	16.5	59.3	15.5	12.3	11.3	13.6	42.1	--	6.9	8.0	43.4	16.0	14.8	13.6	20.3	20.2	16.8	16.8	13.5	17.2	59.3	3.3
5	14.6	15.7	11.2	10.1	20.1	30.1	33.3	47.9	44.8	41.7	18.1	25.1	45.7	22.9	38.9	18.3	43.4	34.1	35.1	29.3	44.9	16.8	20.1	11.1	28.0	47.9	10.1
6	13.3	13.3	12.2	13.3	29.7	108.0	95.7	105.0	21.2	17.9	16.9	36.1	21.5	59.0	47.7	13.6	27.2	28.2	48.3	34.6	28.9	19.9	17.7	15.6	35.2	108.0	12.2
7	23.3	8.9	11.1	9.9	56.6	10.0	17.7	16.5	44.4	3.4	0.0	2.3	5.7	3.4	6.9	38.8	10.3	10.2	25.9	51.3	8.9	10.0	12.1	34.2	17.6	56.6	0.0
8	12.1	12.1	11.0	11.0	13.2	20.9	41.5	15.5	15.6	13.5	18.1	19.3	15.9	12.5	10.3	21.7	16.0	26.1	47.3	21.3	69.1	12.3	61.2	103.0	25.9	103.0	10.3
9	88.4	28.7	15.4	14.3	13.1	43.7	38.1	23.0	15.4	17.7	24.4	21.1	15.6	30.2	34.7	25.8	28.0	23.4	34.3	54.0	92.0	144.0	121.0	96.1	43.5	144.0	13.1
10	39.3	14.2	12.0	5.5	3.3	7.6	9.8	22.8	169.0	67.9	26.4	31.1	20.1	21.3	--	--	--	--	--	--	--	--	--	--	--	169.0	3.3
11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	33.1	26.2	37.5	26.1	19.2	16.8	26.7	43.4	49.9	32.1	--	49.9	16.8
12	18.8	18.8	16.6	22.0	18.7	35.2	37.4	203.0	29.0	26.9	15.8	24.9	7.9	26.1	24.9	26.1	12.5	57.5	34.7	464.0	28.8	6.6	22.1	12.1	49.6	464.0	6.6
13	12.1	9.9	11.0	17.5	2.2	29.5	86.1	258.0	27.7	24.6	19.1	15.8	35.1	32.8	36.3	17.0	15.8	14.6	52.5	51.1	19.9	13.2	119.0	30.8	39.6	258.0	2.2
14	12.1	40.6	35.0	12.0	25.1	17.4	72.8	32.7	18.8	10.0	10.1	7.9	2.3	4.5	6.8	6.8	7.9	11.2	54.6	27.7	33.0	8.8	17.5	13.2	20.4	72.8	2.3
15	35.2	14.3	13.1	17.5	17.5	21.9	15.3	25.1	13.2	17.8	32.3	12.3	9.0	4.5	3.4	5.7	9.1	7.9	89.6	28.0	25.7	24.5	34.5	33.3	21.3	89.6	3.4
16	25.4	29.7	26.3	19.8	65.9	29.6	25.1	28.5	142.0	81.9	31.2	42.5	33.7	33.8	19.2	20.4	6.8	7.9	11.2	12.3	8.9	11.1	13.4	11.1	30.7	142.0	6.8
17	11.1	8.9	8.9	7.7	9.9	9.9	12.1	20.9	14.4	22.3	11.2	10.2	12.5	17.1	11.4	10.2	7.9	9.0	12.4	17.9	32.3	14.5	14.4	14.4	13.4	32.3	7.7
18	14.4	14.4	38.6	18.7	12.1	22.1	68.1	55.1	20.1	11.2	30.4	18.1	17.0	13.6	42.0	3.4	9.1	22.5	20.2	13.4	24.6	19.0	23.5	12.3	22.7	68.1	3.4
19	8.9	7.8	10.0	7.8	8.9	11.1	23.3	17.8	19.0	31.3	24.6	16.8	18.1	12.5	12.5	19.3	34.0	14.7	34.8	22.3	23.3	22.2	25.5	18.8	18.6	34.8	7.8
20	18.8	18.7	17.6	24.2	12.1	14.2	20.8	14.3	20.0	12.3	13.4	28.1	18.0	39.4	27.1	27.1	31.5	53.8	68.9	52.0	53.9	139.0	84.3	77.5	37.0	139.0	12.1
21	294.0	121.0	134.0	125.0	156.0	177.0	156.0	116.0	119.0	100.0	115.0	118.0	108.0	103.0	111.0	114.0	132.0	109.0	117.0	120.0	129.0	128.0	107.0	106.0	130.0	294.0	100.0
22	33.7	24.9	18.3	13.0	13.0	23.8	19.6	10.8	44.8	3.3	6.6	10.0	8.9	6.7	6.7	18.0	20.2	15.6	25.4	26.3	46.0	17.5	14.3	11.0	18.3	46.0	3.3
23	3.3	2.2	5.5	4.4	4.4	6.6	23.9	59.9	18.8	10.0	6.7	24.8	-1.1	6.8	30.5	24.9	18.1	15.7	31.2	20.1	17.9	6.7	7.7	149.0	20.8	149.0	-1.1
24	151.0	271.0	134.0	124.0	13.4	11.1	12.2	46.6	88.4	68.7	39.0	33.5	26.9	20.2	23.6	16.9	14.6	21.3	17.8	27.7	32.1	37.6	27.6	38.6	54.1	271.0	11.1
25	57.3	58.4	45.2	26.4	61.6	29.7	40.6	28.5	80.1	39.7	41.1	16.7	15.7	12.4	20.3	13.6	13.5	19.1	12.3	16.7	16.7	10.0	10.0	11.1	29.0	80.1	10.0
26	19.9	16.6	13.2	11.0	18.6	18.6	42.5	20.8	--	26.7	17.9	30.3	31.4	42.8	54.1	19.1	21.3	24.6	46.7	26.6	--	25.3	28.6	23.1	26.3	54.1	11.0
27	23.0	35.0	18.6	18.6	17.5	16.4	19.7	14.2	25.3	11.1	6.7	5.6	6.7	4.5	5.6	6.8	11.2	14.5	36.6	27.6	18.7	11.0	8.8	8.8	15.5	36.6	4.5
28	8.8	7.7	25.3	34.0	38.4	41.6	46.9	48.1	35.2	--	--	--	--	--	--	--	--	--	--	--	--	25.4	--	--	--	48.1	7.7
29	--	--	--	--	--	--	--	--	30.8	24.3	--	28.0	--	--	--	--	14.7	--	--	43.2	23.2	22.0	--	--	--	43.2	14.7
30	--	19.7	--	--	--	--	67.5	81.7	--	--	16.6	10.0	12.2	19.0	10.1	9.0	12.3	19.0	21.1	17.7	18.8	12.1	12.1	22.0	--	81.7	9.0
31	42.8	43.6	37.0	26.1	23.9	20.6	11.9	12.9	13.1	12.1	9.9	11.0	12.2	--	--	16.6	12.1	9.9	8.8	7.6	7.6	8.7	6.5	3.3	16.3	43.6	3.3
Avg	37.2	31.6	26.1	22.6	25.1	29.9	42.2	52.9	40.1	26.5	21.1	23.3	19.8	22.9	27.7	22.3	22.2	24.7	35.4	45.1	32.9	31.2	33.2	34.6	30.7	--	--
Max	294.0	271.0	134.0	125.0	156.0	177.0	156.0	258.0	169.0	100.0	115.0	118.0	108.0	103.0	111.0	114.0	132.0	109.0	117.0	464.0	129.0	144.0	121.0	149.0	--	464.0	--
Min	3.3	2.2	5.5	4.4	2.2	6.6	9.8	10.0	8.9	3.3	0.0	2.3	-1.1	3.4	3.4	3.4	6.8	7.9	8.8	7.6	7.6	6.6	6.5	3.3	--	--	-1.1

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, West_Plant_conc_PM10_STP"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	-1.1	1.1	3.2	0.0	3.2	7.6	8.7	8.7	7.7	8.8	26.5	12.2	20.0	18.9	17.7	19.9	16.5	19.8	20.8	18.5	17.4	11.9	23.8	12.2	26.5	-1.1
2	20.5	11.9	12.9	14.0	12.9	11.9	9.7	8.6	10.9	18.6	12.1	9.9	7.7	5.5	6.6	11.0	14.3	23.0	20.7	9.8	10.8	13.0	11.9	8.6	12.4	23.0	5.5
3	7.5	6.5	7.5	7.5	6.4	11.8	21.4	10.7	11.9	13.1	9.9	7.7	7.7	8.8	33.2	9.9	9.9	11.0	14.2	12.1	6.6	4.4	6.6	8.8	10.6	33.2	4.4
4	5.5	5.5	6.6	5.5	6.6	12.0	10.9	6.6	6.6	8.8	8.8	8.8	7.8	3.3	3.3	6.7	13.3	14.4	14.3	13.1	18.6	20.7	28.3	15.2	10.5	28.3	3.3
5	14.1	--	3.3	5.4	5.4	5.4	8.6	7.6	4.3	6.5	5.4	2.2	3.3	6.6	8.8	8.8	8.8	9.8	10.9	9.8	7.6	7.6	6.5	5.4	7.0	14.1	2.2
6	6.4	3.2	0.0	0.0	4.3	4.3	28.9	6.4	8.6	17.3	3.3	5.5	8.8	6.6	7.7	7.7	4.4	3.3	6.6	6.5	4.4	7.6	7.6	5.4	6.9	28.9	0.0
7	4.3	6.5	8.7	5.4	2.2	23.7	23.7	37.8	16.3	8.7	7.7	3.3	1.1	3.3	5.5	7.7	8.8	5.5	3.3	5.5	6.5	7.6	8.7	6.5	9.1	37.8	1.1
8	6.5	9.7	12.9	9.7	5.4	6.4	5.3	3.2	7.5	8.7	6.6	6.6	11.0	7.7	5.5	8.8	9.9	8.8	8.8	5.4	3.3	4.4	3.3	4.3	7.1	12.9	3.2
9	4.4	2.2	2.2	4.4	8.7	8.7	5.4	6.5	10.9	7.7	1.1	-1.1	0.0	0.0	0.0	2.2	6.7	12.2	11.0	8.8	9.8	10.9	8.7	5.4	5.7	12.2	-1.1
10	5.4	7.6	6.5	3.3	1.1	0.0	1.1	5.4	5.5	4.4	4.4	4.5	6.7	6.7	4.5	7.8	10.0	10.0	16.5	17.5	18.6	16.3	16.4	16.3	8.2	18.6	0.0
11	15.2	9.8	6.5	5.4	8.6	10.8	13.0	10.8	10.9	12.1	6.6	3.3	2.2	7.8	10.0	3.3	2.2	22.1	24.1	3.3	5.4	8.7	6.5	1.1	8.7	24.1	1.1
12	-4.3	-3.3	3.3	2.2	5.4	11.9	7.6	3.3	5.5	6.6	2.2	2.2	4.5	5.6	81.7	20.1	6.7	22.2	43.0	4.4	5.5	5.5	4.4	2.2	10.3	81.7	-4.3
13	1.1	1.1	4.4	5.4	1.1	4.4	43.4	143.0	9.9	11.0	11.1	7.8	6.7	10.0	13.4	13.4	11.1	31.0	23.1	17.5	43.7	24.0	17.4	13.0	19.5	143.0	1.1
14	14.1	9.8	5.4	3.3	3.3	8.6	19.4	15.2	16.4	9.9	10.0	17.8	20.1	17.9	16.7	12.3	12.2	26.5	19.7	22.9	17.4	20.6	10.8	9.8	14.2	26.5	3.3
15	8.7	8.7	7.6	5.4	4.3	5.4	6.5	8.7	14.2	12.1	7.7	7.8	5.6	0.0	4.5	11.1	8.9	8.8	12.1	18.6	19.7	9.8	8.7	8.7	8.9	19.7	0.0
16	5.4	2.2	1.1	1.1	4.4	7.6	7.6	6.6	5.5	5.5	8.9	--	11.2	11.2	14.5	20.1	10.0	13.3	20.9	13.1	12.0	9.8	17.4	11.9	9.6	20.9	1.1
17	11.9	10.9	10.8	11.9	14.0	14.1	20.5	13.0	23.9	20.8	16.5	25.3	--	24.3	15.5	14.3	13.2	13.2	16.4	14.2	14.2	15.2	16.2	15.1	15.9	25.3	10.8
18	12.9	8.6	7.5	7.5	7.5	8.6	66.5	20.3	8.6	7.6	6.5	6.5	7.6	6.6	3.3	1.1	4.4	7.6	8.7	4.3	4.3	7.5	4.3	4.3	9.7	66.5	1.1
19	2.2	6.5	13.0	23.7	60.3	15.1	18.3	15.0	18.3	37.8	45.5	13.1	13.2	11.0	7.7	6.6	6.6	7.7	6.5	8.7	8.7	8.6	8.6	7.6	15.4	60.3	2.2
20	7.6	11.9	11.9	18.3	11.8	14.0	21.5	18.3	21.6	18.4	19.6	12.0	12.1	16.5	12.1	19.8	18.6	19.6	13.0	14.0	16.2	16.1	13.9	10.7	15.4	21.6	7.6
21	11.8	13.9	10.7	10.7	11.8	10.7	17.1	22.5	31.1	15.2	13.0	11.0	8.9	11.0	34.2	37.4	21.9	24.0	19.6	27.1	17.3	8.7	7.6	9.8	17.0	37.4	7.6
22	10.9	9.9	47.2	71.2	35.0	66.6	90.5	75.1	51.2	53.5	61.3	46.2	42.0	36.6	30.0	22.3	21.1	21.0	23.0	20.8	18.6	29.5	19.8	18.6	38.4	90.5	9.9
23	17.4	11.9	10.8	9.8	11.9	9.8	6.5	3.3	5.5	11.0	11.0	10.0	3.4	3.4	10.1	12.3	12.3	10.0	13.2	14.2	12.0	11.0	9.9	16.4	10.3	17.4	3.3
24	5.5	6.5	4.4	5.5	10.9	10.9	9.8	12.0	29.5	12.1	11.1	11.2	13.4	14.5	13.4	9.0	7.8	22.2	18.7	15.3	22.9	9.8	9.8	8.7	12.3	29.5	4.4
25	9.8	13.0	11.9	7.6	6.5	5.4	7.6	7.6	6.5	5.5	6.6	8.9	17.8	19.0	31.2	30.1	26.7	30.9	62.4	17.4	28.3	15.2	16.3	17.4	17.1	62.4	5.4
26	14.2	12.0	6.5	6.5	22.8	14.1	13.0	11.9	25.1	13.2	8.9	7.8	9.0	3.4	3.4	4.5	7.9	21.2	8.9	6.7	8.9	10.0	8.8	8.8	10.7	25.1	3.4
27	8.8	6.6	5.5	4.4	3.3	6.6	10.9	12.1	12.1	12.2	10.0	9.0	9.0	11.3	18.0	21.2	16.7	19.9	19.8	24.1	18.6	12.0	19.5	32.2	13.5	32.2	3.3
28	42.9	39.7	55.7	61.7	64.8	54.0	44.6	70.1	49.0	52.7	33.7	35.0	27.4	31.8	35.3	19.8	53.5	60.8	46.6	18.5	16.3	14.2	18.5	10.9	39.9	70.1	10.9
29	10.9	9.8	10.9	13.1	20.6	26.0	37.9	26.0	29.2	--	52.2	29.5	--	--	28.6	23.1	31.8	29.4	21.8	15.3	15.3	15.2	18.5	19.6	23.1	52.2	9.8
30	10.9	12.0	14.2	13.1	14.1	--	31.3	20.6	--	--	--	--	--	8.8	19.9	12.1	26.3	50.1	39.2	16.4	--	10.9	8.7	12.0	--	50.1	8.7
Avg	9.8	8.7	10.4	11.5	12.5	13.5	20.5	20.6	16.0	14.9	14.2	12.1	10.4	11.0	16.6	13.4	14.2	19.2	19.6	13.5	14.1	12.4	11.8	11.3	13.8	--	--
Max	42.9	39.7	55.7	71.2	64.8	66.6	90.5	143.0	51.2	53.5	61.3	46.2	42.0	36.6	81.7	37.4	53.5	60.8	62.4	27.1	43.7	29.5	28.3	32.2	--	143.0	--
Min	-4.3	-3.3	0.0	0.0	0.0	0.0	1.1	3.2	4.3	4.4	1.1	-1.1	0.0	0.0	0.0	1.1	2.2	3.3	3.3	3.3	3.3	4.4	3.3	1.1	--	--	-4.3

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, West_Plant_conc_PM10_STP"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	14.2	14.2	20.8	18.6	18.6	17.5	22.9	17.4	17.4	17.4	12.0	24.0	16.4	--	--	15.4	16.4	16.4	15.2	14.1	12.0	18.4	9.8	10.9	16.4	24.0	9.8
2	10.9	12.0	17.4	18.5	16.3	17.4	15.2	13.1	20.6	13.2	--	--	--	--	--	13.3	13.3	11.0	9.9	12.1	16.4	8.7	16.4	19.6	14.5	20.6	8.7
3	20.7	15.2	15.1	17.3	18.3	16.2	14.0	12.9	56.2	--	--	11.0	11.0	12.1	15.5	15.4	13.2	9.9	9.8	7.6	10.9	11.9	6.5	8.7	15.0	56.2	6.5
4	--	--	16.1	--	--	16.0	36.3	81.0	65.5	--	--	--	15.3	19.7	34.9	18.5	27.1	25.9	20.5	20.4	25.6	19.2	20.2	26.6	--	81.0	15.3
5	21.3	14.9	9.6	7.5	11.7	12.8	45.6	15.9	12.8	13.9	21.4	12.8	8.6	7.5	35.4	24.6	11.8	10.7	8.6	6.4	7.5	18.2	9.6	7.5	14.9	45.6	6.4
6	8.5	9.6	8.5	6.4	3.2	5.3	17.0	24.4	10.6	10.7	23.5	6.4	5.4	26.0	15.2	11.9	7.6	5.4	21.5	195.0	50.4	43.8	28.7	341.0	36.9	341.0	3.2
7	--	1039.0	1034.0	--	--	--	--	--	--	202.0	297.0	39.7	47.2	14.7	12.7	9.5	6.3	7.3	8.4	8.4	9.4	10.4	12.4	11.4	--	1039.0	6.3
8	7.2	3.1	1.0	3.1	4.1	1.0	39.1	1.0	1.0	4.2	5.3	4.2	61.4	62.7	19.2	7.5	9.6	16.9	17.9	19.9	13.6	10.4	16.7	7.3	14.1	62.7	1.0
9	7.3	10.4	9.4	15.8	12.7	8.5	4.2	7.4	6.4	7.5	11.7	9.7	7.5	5.4	3.3	4.3	4.3	6.4	5.4	5.4	6.4	7.5	10.7	10.7	7.8	15.8	3.3
10	49.4	62.2	16.1	22.4	7.5	26.7	9.6	8.5	6.4	6.4	6.5	3.2	1.1	1.1	4.3	4.3	0.0	5.4	6.5	3.2	6.5	8.6	5.4	3.2	11.4	62.2	0.0
11	5.4	3.2	3.2	4.3	2.1	0.0	3.2	4.3	2.2	6.5	7.5	9.7	12.0	8.7	5.5	5.5	7.6	6.5	2.2	2.1	5.4	7.5	5.3	5.3	5.2	12.0	0.0
12	7.4	9.5	6.4	6.4	6.4	6.4	6.4	6.4	11.8	34.4	18.3	9.7	10.8	13.0	32.5	16.3	33.6	28.1	14.1	11.9	8.7	9.7	13.9	13.9	14.0	34.4	6.4
13	14.0	15.1	11.8	11.7	12.8	19.2	24.4	13.8	17.0	14.0	13.0	12.0	9.9	6.6	4.4	6.6	18.6	22.8	18.3	22.6	22.5	17.1	16.0	18.2	15.1	24.4	4.4
14	17.1	14.9	14.9	13.8	18.1	37.1	177.0	18.0	25.5	12.9	10.8	22.8	17.4	18.6	16.4	14.2	14.1	25.9	31.2	16.1	16.1	21.4	28.8	19.2	25.9	177.0	10.8
15	18.1	12.7	35.0	10.6	23.3	33.8	18.9	11.6	9.5	11.6	15.9	13.9	11.8	12.9	18.4	19.5	15.1	17.2	17.1	10.7	9.6	16.0	11.7	13.8	16.2	35.0	9.5
16	14.9	16.0	11.7	18.1	9.6	9.6	19.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	19.2	9.6
17	--	--	--	--	--	--	--	--	-5.3	-3.2	-2.1	-3.2	1.1	3.2	1.1	0.0	1.1	1.1	2.1	1.1	-2.1	0.0	2.1	3.2	--	3.2	-5.3
18	5.3	1.1	0.0	4.2	4.2	3.1	2.1	5.2	8.4	7.4	6.4	5.3	18.2	16.0	21.4	28.9	7.5	15.9	18.0	6.3	7.3	8.4	9.4	8.4	9.1	28.9	0.0
19	8.3	10.4	7.3	6.3	7.3	7.3	23.8	51.8	18.7	10.5	15.8	12.7	12.8	53.4	29.8	22.4	22.3	23.3	25.3	14.7	11.5	11.5	16.8	11.5	18.1	53.4	6.3
20	8.4	7.3	8.4	6.3	8.4	9.5	6.3	6.3	22.0	7.4	7.5	6.4	5.4	6.5	7.6	5.4	--	15.0	15.0	11.8	6.4	6.4	6.4	4.3	8.5	22.0	4.3
21	4.3	6.4	6.4	8.5	12.6	27.3	70.3	98.3	126.0	61.5	45.0	37.7	21.0	12.6	28.3	25.2	32.4	26.0	24.9	15.5	14.4	18.5	10.3	12.3	31.1	126.0	4.3
22	11.3	8.2	4.1	2.0	6.1	6.2	5.1	7.1	11.3	13.4	11.4	7.3	4.2	4.2	8.4	8.4	6.3	11.5	13.5	10.3	7.2	9.3	7.2	5.2	7.9	13.5	2.0
23	5.2	5.2	3.1	5.2	6.2	5.2	8.3	9.4	5.2	-2.1	0.0	3.2	3.2	5.4	3.2	3.2	5.4	7.5	18.0	9.5	7.4	7.4	8.4	5.3	5.7	18.0	-2.1
24	3.2	3.1	1.1	0.0	5.3	7.4	11.5	11.6	6.4	7.5	10.8	7.6	1.1	4.4	8.7	7.6	16.3	9.7	11.8	14.9	17.0	7.4	8.5	5.3	7.8	17.0	0.0
25	4.3	4.3	2.1	2.1	5.3	10.6	9.5	20.0	16.9	3.2	3.2	3.3	1.1	1.1	9.8	29.2	11.9	83.9	16.0	18.1	7.4	9.6	7.4	2.1	11.8	83.9	1.1
26	2.1	8.5	8.5	5.3	10.6	10.5	8.4	10.5	59.2	2.1	2.2	1.1	1.1	5.4	8.7	17.3	30.3	38.8	55.7	20.3	4.3	4.3	5.3	7.4	13.7	59.2	1.1
27	8.5	6.4	5.3	4.3	4.3	11.7	37.2	38.2	13.8	11.8	22.7	5.5	1.1	1.1	18.6	19.7	15.3	28.1	9.7	8.6	7.5	6.4	4.3	0.0	12.1	38.2	0.0
28	0.0	2.1	0.0	0.0	4.3	5.3	9.5	10.6	55.2	12.9	42.3	4.4	5.5	4.4	18.8	15.4	13.1	18.5	16.2	31.3	6.5	4.3	5.4	5.4	12.1	55.2	0.0
29	3.2	2.1	4.3	3.2	5.3	4.3	3.2	9.6	10.7	4.3	6.5	12.0	15.4	13.2	19.9	15.4	27.5	21.9	35.7	19.4	7.6	8.6	8.6	6.5	11.2	35.7	2.1
30	6.5	4.3	3.2	6.4	4.3	4.3	4.3	3.2	2.2	1.1	4.4	8.8	11.0	6.7	41.9	25.3	29.7	37.1	32.5	25.8	16.1	15.0	18.2	21.3	13.9	41.9	1.1
31	8.5	6.4	7.5	6.4	6.4	21.3	8.5	8.6	6.4	2.2	4.3	5.5	3.3	4.4	16.4	31.6	15.2	41.1	84.9	64.3	10.7	8.6	5.3	1.1	15.8	84.9	1.1
Avg	10.5	45.8	43.1	8.4	9.1	12.5	22.8	18.8	21.4	17.7	23.1	10.6	11.8	12.5	16.4	14.7	14.9	19.8	19.5	20.9	11.7	11.8	11.2	20.5	14.3	--	--
Max	49.4	1039.0	1034.0	22.4	23.3	37.1	177.0	98.3	126.0	202.0	297.0	39.7	61.4	62.7	41.9	31.6	33.6	83.9	84.9	195.0	50.4	43.8	28.8	341.0	--	1039.0	--
Min	0.0	1.1	0.0	0.0	2.1	0.0	2.1	1.0	-5.3	-3.2	-2.1	-3.2	1.1	1.1	1.1	0.0	0.0	1.1	2.1	1.1	-2.1	0.0	2.1	0.0	--	--	-5.3

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant
"Component, Channel: Table126, conc_PM25_Actual"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	4	6	5	5	6	5	4	1	-1	2	3	3	2	1	2	2	3	4	2	3	6	5	4	6	3.46	6	-1
2	4	0	1	3	4	5	4	7	6	1	-1	0	2	3	6	4	2	4	6	4	3	6	5	6	3.54	7	-1
3	6	5	4	4	6	5	6	6	6	5	1	1	-1	-1	1	2	2	5	7	7	9	6	3	5	4.17	9	-1
4	7	2	1	6	5	3	6	6	4	3	2	4	4	6	6	7	5	8	8	7	6	7	8	6	5.29	8	1
5	5	6	6	5	6	7	8	8	9	10	6	2	5	8	6	5	6	9	9	7	7	6	4	4	6.42	10	2
6	6	7	6	7	8	10	10	10	7	4	4	4	2	3	5	5	4	5	7	6	5	6	5	4	5.83	10	2
7	4	3	3	3	5	5	5	5	2	0	-1	2	0	-2	2	3	2	3	4	6	6	5	5	4	3.08	6	-2
8	5	4	3	4	3	5	6	6	6	1	0	4	5	2	-1	1	5	5	6	5	5	7	8	12	4.46	12	-1
9	13	9	5	4	4	6	9	10	9	7	5	3	1	4	6	6	6	4	5	6	5	9	11	6	6.37	13	1
10	2	1	2	3	3	3	1	1	3	5	5	2	0	0	1	2	3	3	4	2	1	3	3	3	2.33	5	0
11	2	1	2	2	4	3	3	3	2	1	3	2	0	-1	-1	0	2	5	7	6	5	5	4	3	2.63	7	-1
12	4	6	6	6	6	5	3	8	9	5	4	1	-1	-1	1	1	-1	-1	6	30	5	4	4	2	4.67	30	-1
13	0	1	2	4	4	4	6	19	-1	0	1	1	2	2	1	3	6	5	4	6	7	7	8	9	4.21	19	-1
14	6	6	6	6	5	8	10	2	-1	1	1	0	-3	-1	2	5	6	6	8	6	6	4	2	3	3.92	10	-3
15	4	4	4	5	5	6	7	7	7	7	5	3	4	4	1	1	0	3	7	8	6	5	6	7	4.83	8	0
16	5	5	6	6	7	7	4	2	6	6	0	1	1	2	4	2	1	3	4	2	3	3	2	3	3.54	7	0
17	4	3	2	2	1	2	3	2	1	1	1	1	3	2	1	2	3	4	7	7	6	6	4	3	2.96	7	1
18	4	5	6	4	4	6	7	7	5	2	5	2	1	5	6	4	3	4	5	5	6	5	1	1	4.29	7	1
19	5	4	2	2	3	4	4	4	4	4	3	2	1	0	1	2	4	4	6	5	3	5	6	6	3.5	6	0
20	4	6	7	6	7	8	7	5	6	5	4	3	3	4	4	3	4	6	6	7	8	9	9	8	5.79	9	3
21	19	17	20	19	18	24	17	17	14	13	12	19	12	10	10	16	19	16	20	24	20	21	19	22	17.4	24	10
22	8	7	6	5	5	4	2	2	2	2	0	-1	-2	-2	3	6	6	7	7	4	0	0	-1	0	2.92	8	-2
23	2	1	2	3	2	3	4	3	0	1	1	-1	-3	0	5	5	4	3	5	6	4	4	0	4	2.42	6	-3
24	10	12	12	7	4	2	4	7	9	11	5	0	2	1	2	1	2	2	2	6	4	2	5	5	4.88	12	0
25	6	7	5	2	2	3	5	6	6	6	5	4	3	2	1	0	-1	3	5	4	6	5	4	7	4	7	-1
26	6	3	3	3	4	2	5	6	6	4	3	5	7	5	5	8	7	8	8	6	8	7	5	6	5.42	8	2
27	6	5	7	8	7	7	7	10	8	1	0	0	0	2	4	3	3	3	4	5	6	5	1	3	4.38	10	0
28	2	0	3	5	7	7	8	7	5	7	7	4	3	3	3	3	5	5	4	4	3	5	7	5	4.67	8	0
29	4	7	8	6	4	4	4	5	4	5	6	3	4	6	5	4	4	3	6	7	8	8	5	7	5.29	8	3
30	7	4	4	5	5	6	6	8	8	5	2	1	2	1	1	2	4	6	6	6	6	3	2	3	4.29	8	1
31	6	9	9	8	9	8	3	3	2	1	4	5	4	--	--	4	3	2	1	3	5	4	4	2	4.5	9	1
Avg	5.48	5.03	5.1	5.1	5.26	5.71	5.74	6.23	4.94	4.06	3.1	2.58	2.03	2.27	3.1	3.61	3.94	4.74	6	6.77	5.74	5.71	4.94	5.32	4.69	--	--
Max	19	17	20	19	18	24	17	19	14	13	12	19	12	10	10	16	19	16	20	30	20	21	19	22	--	30	--
Min	0	0	1	2	1	2	1	1	-1	0	-1	-1	-3	-2	-1	0	-1	-1	1	2	0	0	-1	0	--	--	-3

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant
"Component, Channel: Table126, conc_PM25_Actual"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	3	3	4	4	3	4	4	5	6	3	3	6	6	5	5	6	8	5	3	6	5	5	4	3	4.54	8	3
2	6	8	5	3	2	2	4	8	6	3	2	3	4	3	4	3	2	3	5	6	4	5	6	4	4.21	8	2
3	4	3	3	3	3	4	4	4	2	1	1	3	4	4	2	0	0	2	5	3	2	4	3	2	2.75	5	0
4	-1	-3	-1	3	1	1	3	5	4	4	4	3	-2	-2	2	3	4	3	4	4	5	8	8	7	2.79	8	-3
5	--	6	4	2	3	2	2	3	4	4	0	-3	0	2	0	0	2	2	4	3	1	3	5	4	2.3	6	-3
6	5	7	3	2	3	2	3	5	4	2	-1	-3	-3	-1	1	1	-1	-1	0	1	3	4	3	0	1.63	7	-3
7	1	3	1	1	1	4	4	3	3	2	2	1	2	1	-1	0	3	2	1	1	1	2	3	3	1.83	4	-1
8	4	3	2	3	5	5	4	3	3	2	0	1	1	1	3	5	1	1	5	2	0	3	6	2	2.71	6	0
9	0	1	1	3	3	2	3	5	4	1	1	1	1	2	2	-1	0	2	2	5	8	6	2	3	2.38	8	-1
10	5	2	0	1	2	2	2	6	6	2	2	2	3	2	-1	-1	2	3	1	1	4	4	4	6	2.5	6	-1
11	6	4	3	4	5	5	4	1	3	4	2	1	-1	2	3	0	0	3	4	3	6	6	2	2	3	6	-1
12	2	0	2	2	1	1	1	2	3	3	2	-1	-2	1	4	2	1	2	5	5	2	2	4	4	2	5	-2
13	2	2	3	6	5	2	5	8	6	1	0	-1	-2	-1	2	2	3	6	6	4	6	5	3	1	3.08	8	-2
14	2	2	1	1	0	3	3	2	4	3	1	2	2	0	2	2	3	5	6	5	4	6	6	6	2.96	6	0
15	5	4	3	3	1	0	4	4	0	0	2	3	3	1	0	3	3	1	3	5	5	6	5	4	2.83	6	0
16	3	1	1	1	2	2	1	2	2	2	-2	--	-2	1	2	5	6	4	5	5	4	3	3	4	2.39	6	-2
17	3	2	3	6	5	5	6	6	6	7	6	5	6	6	5	7	6	8	7	7	9	7	5	5	5.75	9	2
18	5	6	4	3	3	2	3	2	1	3	5	1	0	0	-1	-1	0	2	2	1	4	6	5	5	2.54	6	-1
19	6	3	1	5	6	6	5	3	2	2	3	3	3	4	4	4	7	7	4	2	3	5	4	5	4.04	7	1
20	6	4	4	1	1	3	5	6	4	4	5	4	3	3	3	2	2	5	7	7	6	5	7	7	4.33	7	1
21	8	10	8	6	4	6	7	7	10	10	8	5	2	4	8	7	6	6	6	5	5	4	2	1	6.04	10	1
22	0	1	1	3	5	8	13	12	11	11	10	10	8	4	6	24	6	5	6	11	10	9	6	2	7.58	24	0
23	4	2	3	5	4	2	1	1	4	4	2	3	3	1	-1	2	4	4	4	2	4	4	2	6	2.92	6	-1
24	7	4	5	4	3	5	4	1	1	2	1	3	6	6	3	-2	-1	1	2	5	6	2	1	3	3	7	-2
25	5	6	5	3	3	4	4	5	5	5	4	-1	0	3	5	7	7	7	11	10	7	8	8	6	5.29	11	-1
26	4	3	4	5	3	1	3	8	11	7	3	1	2	3	3	4	5	4	3	3	4	5	3	1	3.88	11	1
27	0	2	6	4	2	3	4	3	1	3	2	1	2	2	3	4	5	4	4	5	5	6	6	8	3.54	8	0
28	8	4	5	8	9	8	8	9	6	7	6	5	5	5	7	7	10	10	9	7	5	3	4	3	6.58	10	3
29	4	5	3	4	4	3	3	5	6	--	--	2	4	7	2	2	2	2	4	3	2	2	5	4	3.55	7	2
30	4	5	4	4	5	6	6	4	1	2	2	-1	1	4	2	1	2	5	8	6	3	5	4	5	3.67	8	-1
Avg	3.83	3.43	3.03	3.43	3.23	3.43	4.1	4.6	4.3	3.59	2.62	2.03	1.97	2.43	2.63	3.27	3.27	3.77	4.53	4.43	4.43	4.77	4.3	3.87	3.55	--	--
Max	8	10	8	8	9	8	13	12	11	11	10	10	8	7	8	24	10	10	11	11	10	9	8	8	--	24	--
Min	-1	-3	-1	1	0	0	1	1	0	0	-2	-3	-3	-2	-1	-2	-1	-1	0	1	0	2	1	0	--	--	-3

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant
"Component, Channel: Table126, conc_PM25_Actual"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	3	2	5	5	7	7	4	3	5	6	8	9	8	5	6	7	6	6	5	7	7	7	8	8	6	9	2
2	8	8	7	7	7	6	5	5	5	5	4	5	4	3	4	5	5	5	7	7	5	9	10	9	6.04	10	3
3	6	7	8	7	6	6	6	5	6	6	3	1	-1	2	4	6	4	3	7	6	5	7	6	5	5.04	8	-1
4	6	6	4	5	8	8	5	5	6	8	7	5	5	5	2	2	6	8	7	6	7	10	11	10	6.33	11	2
5	10	6	5	6	5	2	6	8	5	4	5	4	5	4	4	6	5	2	3	6	6	5	5	6	5.13	10	2
6	5	4	6	6	5	6	7	5	6	7	5	3	4	5	4	4	5	3	1	6	7	5	5	6	5	7	1
7	141	56	42	--	--	--	--	15	--	14	14	10	7	4	3	4	4	6	6	4	6	7	6	3	18.5	141	3
8	1	2	5	4	2	3	5	4	3	2	0	1	4	3	2	4	5	7	7	6	5	4	6	4	3.71	7	0
9	4	5	4	3	2	2	1	3	4	4	4	3	2	2	1	2	2	1	3	3	2	1	3	5	2.75	5	1
10	5	4	3	5	4	3	5	6	4	2	4	2	1	3	0	0	2	2	4	5	3	2	1	1	2.96	6	0
11	3	5	4	3	0	1	4	3	-1	0	1	-1	-3	-1	1	3	3	2	4	5	4	4	3	4	2.13	5	-3
12	4	2	4	5	3	3	3	3	0	0	3	1	1	3	5	6	5	5	5	6	5	5	4	3	3.5	6	0
13	2	2	4	5	7	6	6	6	6	5	1	3	3	-1	1	3	1	1	4	6	6	6	6	8	4.04	8	-1
14	8	4	4	5	4	6	10	11	8	7	3	2	6	5	5	7	7	9	10	11	12	10	6	6	6.92	12	2
15	7	7	9	9	6	6	6	7	8	7	7	6	4	6	6	5	6	6	7	6	6	7	7	8	6.63	9	4
16	9	7	8	9	6	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9	5
17	--	--	--	--	--	--	--	--	-3	-3	-4	-1	7	12	6	3	3	2	5	4	2	2	3	4	--	12	-4
18	4	2	5	2	0	3	5	7	6	6	9	5	2	34	6	5	5	8	11	8	5	8	10	11	6.96	34	0
19	11	10	10	10	9	8	8	10	10	9	28	25	8	7	9	21	27	37	21	10	17	11	10	9	14	37	7
20	9	7	7	9	7	6	7	8	7	7	6	6	26	4	4	43	--	12	9	7	17	4	5	3	9.57	43	3
21	1	6	17	2	5	8	11	16	20	8	16	9	7	9	8	4	1	4	7	7	4	2	3	3	7.42	20	1
22	5	3	1	6	6	5	5	3	4	5	3	3	6	6	26	6	6	7	8	11	24	18	9	7	7.63	26	1
23	8	10	6	7	6	1	3	2	19	21	12	7	2	3	3	2	4	4	6	4	2	6	19	14	7.13	21	1
24	10	5	3	5	6	6	5	6	8	3	1	2	2	1	4	4	7	13	9	28	9	9	7	4	6.54	28	1
25	3	3	4	4	5	5	4	4	4	5	10	7	-1	3	11	12	6	5	6	22	12	9	6	4	6.38	22	-1
26	3	6	8	7	6	5	3	6	7	18	31	0	2	6	11	26	7	8	30	10	8	6	5	4	9.29	31	0
27	5	5	3	4	4	2	3	6	5	4	3	0	-1	2	2	3	8	7	5	4	3	3	4	4	3.67	8	-1
28	3	3	4	4	3	5	5	3	6	6	0	0	1	1	3	4	3	4	4	5	2	-2	0	3	2.92	6	-2
29	3	0	3	5	2	0	3	4	2	3	3	0	-1	-1	3	2	1	6	6	3	4	5	2	-1	2.38	6	-1
30	1	4	6	3	0	3	4	3	5	5	3	1	0	1	5	6	5	5	5	6	7	8	10	8	4.33	10	0
31	3	3	4	3	4	4	4	2	1	2	2	3	2	2	4	4	3	5	10	10	6	4	3	5	3.88	10	1
Avg	9.7	6.47	6.77	5.34	4.66	4.52	5.1	5.83	5.72	5.87	6.4	4.03	3.73	4.6	5.1	6.97	5.24	6.43	7.4	7.63	6.93	6.07	6.1	5.6	6.09	--	--
Max	141	56	42	10	9	8	11	16	20	21	31	25	26	34	26	43	27	37	30	28	24	18	19	14	--	141	--
Min	1	0	1	2	0	0	1	2	-3	-3	-4	-1	-3	-1	0	0	1	1	1	3	2	-2	0	-1	--	--	-4

-- Indicates Invalid Data

Appendix C – Gaseous Analyzer Data: Hourly

SAROAD for Resolution, East_Plant, rolling 8-hour average
"Component, Channel: TableAmbient_Hourly, O3_ppm"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0398	0.0408	0.0418	0.0432	0.0447	0.0477	0.0492	0.0522	0.0549	0.0552	0.0551	0.0546	0.0539	0.0529	0.0522	0.0519	0.0511	0.0501	0.049	0.0482	0.0477	0.0476	0.0477	0.0475	0.0491	0.0552	0.0398
2	0.047	0.0471	0.0476	0.0483	0.0491	0.0498	0.0502	0.0507	0.0516	0.0527	0.0538	0.0548	0.0555	0.0543	0.053	0.0507	0.0496	0.0485	0.0472	0.0444	0.0425	0.0415	0.0421	0.0423	0.0489	0.0555	0.0415
3	0.0436	0.0432	0.0428	0.0427	0.0446	0.0455	0.0455	0.0452	0.0455	0.0456	0.0457	0.0459	0.046	0.0455	0.0449	0.042	0.0395	0.0372	0.0348	0.033	0.0308	0.0271	0.0243	0.0225	0.0401	0.046	0.0225
4	0.0242	0.0258	0.0269	0.0282	0.0292	0.0305	0.0334	0.0357	0.0373	0.0379	0.0384	0.0392	0.039	0.0381	0.0366	0.0355	0.0341	0.0322	0.031	0.0297	0.0281	0.0275	0.0273	0.0271	0.0322	0.0392	0.0242
5	0.0272	0.0278	--	--	--	--	--	--	--	--	--	--	0.051	0.0522	0.0536	0.0546	0.0544	0.0532	0.0511	0.0494	0.0479	0.0464	0.0433	0.0406	--	--	--
6	0.0393	0.0391	0.0397	0.0409	0.0421	0.0433	0.0455	0.0497	0.0539	0.0571	0.0597	0.0621	0.0642	0.0653	0.0645	0.0632	0.061	0.0597	0.0582	0.0567	0.0551	0.0537	0.053	0.0537	0.0534	0.0653	0.0391
7	0.0544	0.0552	0.0549	0.0546	0.0546	0.0548	0.0552	0.056	0.0569	0.0583	0.0599	0.0618	0.0633	0.063	0.0621	0.0609	0.0596	0.055	0.0514	0.0502	0.0475	0.0466	0.0471	0.0476	0.0555	0.0633	0.0466
8	0.0478	0.049	0.0539	0.057	0.0572	0.0583	0.0572	0.0565	0.0565	0.0568	0.0561	0.0552	0.0545	0.0542	0.0537	0.0538	0.054	0.0542	0.0542	0.0543	0.0542	0.0541	0.0539	0.0539	0.0546	0.0583	0.0478
9	0.0542	0.0541	0.0539	0.0538	0.0537	0.0536	0.0535	0.0535	0.0533	0.0529	0.0524	0.0521	0.052	0.0517	0.0513	0.0507	0.0501	0.0502	0.0503	0.0505	0.0503	0.05	0.0497	0.0495	0.052	0.0542	0.0495
10	0.0493	0.0489	0.0483	--	--	--	--	--	--	--	--	--	0.0448	0.0443	0.0435	0.0428	0.0423	0.042	0.0417	0.0415	0.041	0.0403	0.0398	0.0395	--	--	--
11	0.0392	0.0389	0.0386	0.0383	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
18	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0458	0.0466	0.0468	0.0466	0.0455	0.0431	0.0408	0.0398	0.0399	0.0392	0.0387	--	--	--
19	0.0383	0.0379	0.0381	0.0391	0.04	0.0403	0.0406	0.042	0.0433	0.0441	0.0448	0.0454	0.0458	0.045	0.0445	0.0438	0.0424	0.0405	0.039	0.0385	0.0377	0.0358	0.0357	0.0344	0.0407	0.0458	0.0344
20	0.034	0.0343	0.0351	0.0358	0.0357	0.0356	0.0369	0.0374	0.0382	0.0378	0.0368	0.036	0.0352	0.0345	0.0342	0.0342	0.0346	0.0351	0.0355	0.0355	0.0355	0.0363	0.0366	0.0361	0.0357	0.0382	0.034
21	0.0361	0.0363	0.0368	0.0375	0.039	0.0403	0.0407	0.0418	0.0439	0.0461	0.0476	0.0487	0.0494	0.0497	0.0499	0.0499	0.0496	0.0486	0.047	0.0457	0.0448	0.0442	0.044	0.0436	0.0442	0.0499	0.0361
22	0.0432	0.0428	0.0424	0.0421	0.0417	0.0412	0.0407	0.0403	0.0403	0.0408	0.0416	0.0413	0.041	0.0403	0.0398	0.0395	0.0393	0.0387	0.0365	0.0359	0.0364	0.0362	0.0366	0.0367	0.0398	0.0432	0.0359
23	0.0366	0.0365	0.0368	0.0384	0.0383	0.0382	0.0391	0.0405	0.0423	0.0446	0.0459	0.0459	0.0454	0.0451	0.0451	0.0447	0.0437	0.0424	0.041	0.0405	0.041	0.0418	0.0421	0.042	0.0416	0.0459	0.0365
24	0.0397	0.0408	0.0407	0.0404	0.0402	0.0392	0.0395	0.0399	0.0405	0.043	0.0422	0.0427	0.0429	0.0434	0.045	0.0454	0.046	0.0466	0.0472	0.0476	0.0477	--	--	--	0.0429	0.0477	0.0392
25	--	--	--	--	--	--	--	--	--	--	0.0462	0.0463	0.046	0.0457	0.0452	0.0449	0.0447	0.0443	0.0439	0.0435	0.0434	0.0435	0.0434	0.0431	--	--	--
26	0.04	0.0402	0.0412	0.0425	0.0442	0.0457	0.047	0.0486	0.0507	0.0554	0.0571	0.0579	0.058	0.0576	0.0573	0.057	0.0562	0.0552	0.0536	0.0516	0.0497	0.0481	0.0468	0.0452	0.0503	0.058	0.04
27	0.0437	0.0424	0.0416	0.0413	0.0416	0.0418	0.042	0.0427	0.0441	0.0458	0.0477	0.0492	0.0497	0.0497	0.0495	0.0492	0.048	0.0471	0.0454	0.0437	0.0421	0.0412	0.0404	0.0401	0.0446	0.0497	0.0401
28	0.0399	0.0399	0.0399	0.0403	0.041	0.0418	0.0427	0.0436	0.0448	0.0462	0.0475	0.0479	0.0482	0.0483	0.048	0.0475	0.0473	0.0465	0.0454	0.0445	0.0442	0.0437	0.0433	0.0431	0.0444	0.0483	0.0399
29	0.0431	0.0431	0.0432	0.0436	0.0438	0.0441	0.045	0.0459	0.0467	0.0473	0.0479	0.0485	0.049	0.0491	0.0491	0.0489	0.0485	0.0483	0.048	0.0478	0.0476	0.0472	0.047	0.0463	0.0466	0.0491	0.0431
30	0.0459	0.046	0.0461	0.0463	0.0464	0.0467	0.0473	0.0481	0.0495	0.05	0.0499	0.0497	0.0501	0.0499	0.0491	0.0482	0.0475	0.0465	0.045	0.0435	0.0421	0.0408	0.0396	0.0383	0.0463	0.0501	0.0383
31	0.0379	0.0376	0.038	0.0391	0.0407	0.0422	0.0434	0.045	0.0469	0.0478	0.048	0.0472	0.0463	0.0449	0.0436	0.0424	0.0412	0.0401	0.0392	0.0386	0.0383	0.038	0.038	0.0375	0.0418	0.048	0.0375
Avg	0.0411	0.0412	0.0422	0.0425	0.0434	0.044	0.0447	0.0458	0.0471	0.0483	0.0488	0.0492	0.0492	0.0488	0.0484	0.0479	0.0471	0.0461	0.0449	0.044	0.0431	0.0422	0.0418	0.0413	0.0451	--	--
Max	0.0544	0.0552	0.0549	0.057	0.0572	0.0583	0.0572	0.0565	0.0569	0.0583	0.0599	0.0621	0.0642	0.0653	0.0645	0.0632	0.061	0.0597	0.0582	0.0567	0.0551	0.0541	0.0539	0.0539	--	0.0653	--
Min	0.0242	0.0258	0.0269	0.0282	0.0292	0.0305	0.0334	0.0357	0.0373	0.0378	0.0368	0.036	0.0352	0.0345	0.0342	0.0342	0.0341	0.0322	0.031	0.0297	0.0281	0.0271	0.0243	0.0225	--	--	0.0225

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant, rolling 8-hour average
"Component, Channel: TableAmbient_Hourly, O3_ppm"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0362	0.0363	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0452	0.0442	0.0432	0.0424	0.0412	0.0402	0.0391	0.0384	0.0368	--	--	--
2	0.0349	0.0341	0.0338	0.0337	0.0341	0.0347	0.0359	0.0372	0.0383	0.0393	0.0397	0.0395	0.0391	0.0385	0.0369	0.0362	0.0353	0.0346	0.0341	0.0332	0.0329	0.0326	0.0324	0.0327	0.0356	0.0397	0.0324
3	0.0321	0.0319	0.0321	0.0325	0.0333	0.0339	0.0347	0.0353	0.0363	0.037	0.0363	0.035	0.0338	0.0331	0.0328	0.032	0.0317	0.0313	0.0306	0.031	0.0314	0.0319	0.0321	0.0319	0.0331	0.037	0.0306
4	0.0322	0.032	0.0321	0.0326	0.0332	0.0343	0.0349	0.0355	0.0361	0.0364	0.0367	0.037	0.037	0.0371	0.037	0.037	0.0367	0.0363	0.0357	0.035	0.0343	0.0335	0.0325	0.0315	0.0349	0.0371	0.0315
5	0.0306	0.0299	0.0295	0.0297	0.0303	0.031	0.032	0.0328	0.0336	0.0342	0.0349	0.0355	0.0357	0.0358	0.0356	0.0351	0.0346	0.034	0.0332	0.0318	0.0306	0.0293	0.0281	0.0272	0.0323	0.0358	0.0272
6	0.0259	0.0253	0.0255	0.0261	0.0274	0.0284	0.0294	0.0303	0.0312	0.0325	0.0331	0.0331	0.0329	0.0327	0.0327	0.0328	0.033	0.0332	0.0331	0.0325	0.032	0.0314	0.0303	0.0289	0.0306	0.0332	0.0253
7	0.0276	0.026	0.0248	0.024	0.0239	0.0238	--	--	--	--	--	--	--	--	--	--	0.0253	0.0249	0.0247	0.0238	0.0227	0.0224	0.0219	0.0214	--	--	--
8	0.0218	0.0221	0.0226	0.0232	0.0249	0.0275	0.0297	0.0324	0.0351	0.0373	0.0389	0.0397	0.0392	0.0383	0.0377	0.0361	0.0342	0.0324	0.0308	0.0288	0.0276	0.0271	0.027	0.0265	0.0309	0.0397	0.0218
9	0.0271	0.028	0.029	0.0305	0.0327	0.0348	0.0372	0.0392	0.0411	0.0429	0.0445	0.0459	0.0461	0.0462	0.0462	0.046	0.0459	0.0452	0.0446	0.0436	0.0422	0.0404	0.0389	0.0369	0.0398	0.0462	0.0271
10	0.036	0.0352	0.0354	0.0357	0.0368	0.0384	0.0408	0.0432	0.046	0.048	0.0498	0.0514	0.0527	0.0537	0.0542	0.0541	0.0526	0.0504	0.0483	0.0469	0.0452	0.0437	0.042	0.0405	0.045	0.0542	0.0352
11	0.0393	0.0396	0.0407	0.0419	0.0427	0.0437	0.0444	0.0451	0.0463	0.0475	0.0486	0.048	0.0478	0.0472	0.0466	0.046	0.0457	0.0452	0.0445	0.0437	0.0442	0.0439	0.0436	0.0432	0.0446	0.0486	0.0393
12	0.0429	0.0424	0.042	0.0419	0.0421	0.0423	0.0426	0.0432	0.0438	0.0442	0.0442	0.0438	0.0435	0.0425	0.0418	0.0413	0.0407	0.0401	0.0394	0.0393	0.0395	0.0393	0.0398	0.0396	0.0418	0.0442	0.0393
13	0.039	0.0386	0.0384	0.0384	0.0383	0.0388	0.0397	0.0406	0.0417	0.0434	0.045	0.0457	0.0462	0.0463	0.0462	0.0457	0.0451	0.0442	0.0436	0.0425	0.0423	0.0416	0.0411	0.04	0.0422	0.0463	0.0383
14	0.0392	0.0387	0.0389	0.0391	0.0397	0.0401	0.0409	0.0422	0.0441	0.0461	0.0478	0.0484	0.0488	0.0488	0.0488	0.0482	0.048	0.0477	0.0468	0.0458	0.0452	0.0443	0.0434	0.0425	0.0443	0.0488	0.0387
15	0.0421	0.0417	0.0416	0.0417	0.042	0.0426	0.0435	0.0444	0.0453	0.0463	0.0469	0.0474	0.047	0.0463	0.0462	0.0455	0.0451	0.0448	0.0444	0.0435	0.0422	0.0418	0.0418	0.0414	0.044	0.0474	0.0414
16	0.0413	0.041	0.041	0.0408	0.0411	0.0419	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0374	0.0369	0.0364	0.0359	0.0351	0.0342	0.0334	0.0328	0.0326	0.0326	0.0347	0.0374	0.0326
18	0.0334	0.0345	0.0361	0.038	0.0401	0.0421	0.044	0.0456	0.0471	0.0478	0.0481	0.0482	0.0479	0.0472	0.0468	0.0464	0.0459	0.0454	0.045	0.0446	0.0442	0.0441	0.0442	0.044	0.0438	0.0482	0.0334
19	0.0436	0.0434	0.0433	0.0433	0.0437	0.0442	0.0446	0.0451	0.0458	0.0466	0.0471	0.0473	0.0476	0.0475	0.0473	0.0471	0.0468	0.0464	0.0458	0.0454	0.0451	0.0447	0.0443	0.044	0.0454	0.0476	0.0433
20	0.0436	0.0433	0.043	0.0431	0.0432	0.0433	0.0437	0.0441	0.0447	0.0455	0.0461	0.0463	0.0467	0.0457	0.0456	0.0454	0.0449	0.0444	0.0437	0.0432	0.0429	0.042	0.0419	0.0413	0.0441	0.0467	0.0413
21	0.0407	0.0404	0.0401	0.0388	--	--	--	--	--	--	--	--	--	--	0.0429	0.0419	0.0407	0.0398	0.0391	0.039	0.0388	0.0389	0.0393	0.0397	--	--	--
22	0.04	0.0403	0.0408	0.0412	0.0419	0.0424	0.043	0.0433	0.0437	0.0442	0.0447	0.0452	0.0456	0.0457	0.0456	0.0452	0.0445	0.0437	0.0426	0.0415	0.0403	0.0392	0.0381	0.0371	0.0425	0.0457	0.0371
23	0.0362	0.0355	0.0349	0.0347	0.0347	0.0346	0.0348	0.0353	0.036	0.0367	0.0373	0.0376	0.0376	0.0378	0.0381	0.0382	0.0381	0.0377	0.0373	0.0371	0.0371	0.0371	0.0369	0.0362	0.0366	0.0382	0.0346
24	0.0357	0.0354	0.0356	0.0359	0.0363	0.0368	0.0374	0.0381	0.0392	0.0402	0.041	0.0414	0.0409	0.0405	0.0402	0.0401	0.0395	0.038	0.0372	0.0365	0.0359	0.0361	0.0359	0.0354	0.0379	0.0414	0.0354
25	0.0346	0.0345	0.0352	0.0354	0.0357	0.0364	0.0374	0.0389	0.0405	0.0423	0.0434	0.0443	0.0452	0.0455	0.0453	0.0445	0.0433	0.0418	0.0405	0.0397	0.0388	0.0379	0.0371	0.0364	0.0398	0.0455	0.0345
26	0.0359	0.0356	0.0355	0.0355	0.0357	0.0361	0.0366	0.0373	0.0379	0.038	0.0379	0.0379	0.0376	0.0372	0.0365	0.0356	0.0346	0.0337	0.0338	0.0341	0.0343	0.0344	0.0345	0.0347	0.0359	0.038	0.0337
27	0.0351	0.0355	0.0361	0.0367	0.0375	0.0383	0.0389	0.0397	0.0405	0.0412	0.0418	0.0422	0.0421	0.0416	0.0409	0.0399	0.0394	0.0391	0.0389	0.0383	0.0373	0.0365	0.0368	0.0376	0.0388	0.0422	0.0351
28	0.039	0.0401	0.0411	0.0425	0.0444	0.0467	0.049	0.0503	0.0511	0.0509	0.0505	0.0499	0.0495	0.0492	0.0489	0.0483	0.0475	0.0474	0.0483	0.0491	0.0495	0.0495	0.0491	0.0485	0.0475	0.0511	0.039
29	0.048	0.0475	0.0465	0.0454	0.0444	0.0437	0.0431	0.0427	0.0425	0.0422	0.0423	0.0425	0.0426	0.0426	0.0426	0.0424	0.0422	0.0421	0.0421	0.0419	0.0416	0.0413	0.041	0.0406	0.0431	0.048	0.0406
30	0.0402	0.0398	0.0392	--	--	--	--	--	--	--	--	--	0.0363	0.0365	0.0362	0.036	0.036	0.0363	0.037	0.0375	0.0376	0.0375	0.0372	0.037	--	--	--
Avg	0.0363	0.0362	0.0362	0.0364	0.0369	0.0377	0.0391	0.0401	0.0412	0.0421	0.0428	0.043	0.0428	0.0425	0.0421	0.0418	0.0406	0.04	0.0394	0.0388	0.0383	0.0377	0.0373	0.0368	0.0393	--	--
Max	0.048	0.0475	0.0465	0.0454	0.0444	0.0467	0.049	0.0503	0.0511	0.0509	0.0505	0.0514	0.0527	0.0537	0.0542	0.0541	0.0526	0.0504	0.0483	0.0491	0.0495	0.0495	0.0491	0.0485	--	0.0542	--
Min	0.0218	0.0221	0.0226	0.0232	0.0239	0.0238	0.0294	0.0303	0.0312	0.0325	0.0331	0.0331	0.0329	0.0327	0.0327	0.032	0.0253	0.0249	0.0247	0.0238	0.0227	0.0224	0.0219	0.0214	--	--	0.0214

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant, rolling 8-hour average
"Component, Channel: TableAmbient_Hourly, O3_ppm"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0368	0.0363	0.0362	0.036	0.0355	0.0357	0.0355	0.0356	0.0352	0.0351	0.0356	0.0358	0.0364	0.0384	0.0397	0.0414	0.0428	0.0446	0.0462	0.0466	0.0464	0.0458	0.0445	0.0433	0.0394	0.0466	0.0351
2	0.0418	0.0407	0.0399	0.0392	0.0395	0.0406	0.0417	0.0423	0.0428	0.0432	0.0429	0.0423	0.0416	0.0407	0.0407	0.0407	0.041	0.0405	0.0405	0.0408	0.041	0.0409	0.0409	0.0402	0.0411	0.0432	0.0392
3	0.0388	0.038	0.0387	0.0395	0.0404	0.0414	0.0429	0.044	0.0448	0.0461	0.0467	0.0459	0.045	0.0445	0.0441	0.0437	0.0432	0.043	0.0429	0.0427	0.0427	0.0426	0.0418	0.0409	0.0427	0.0467	0.038
4	0.0396	0.0392	0.0392	0.0395	0.04	0.0411	0.0424	0.0441	0.0457	0.0475	0.0483	0.0486	0.0488	0.048	0.0469	0.0461	0.045	0.0441	0.0432	0.0427	0.0422	0.0417	0.0419	0.0422	0.0437	0.0488	0.0392
5	0.042	0.0418	0.0415	0.0411	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8	--	--	--	--	--	--	--	--	--	0.0423	0.0424	0.0424	0.0415	0.0407	0.0403	0.0396	0.0394	0.0392	0.0391	0.039	0.0396	0.0404	0.0409	0.041	0.0405	0.0424	0.039
9	0.0415	0.0415	0.0414	0.0415	0.0415	0.0415	0.0417	0.0422	0.0425	0.0429	0.0433	0.0436	0.0437	0.0439	0.0439	0.0439	0.0438	0.0437	0.0437	0.0438	0.044	0.0443	0.0445	0.0448	0.0431	0.0448	0.0414
10	0.0452	0.0454	0.0456	0.0457	0.0458	0.0459	0.0459	0.046	0.0459	0.0458	0.0456	0.0454	0.0452	0.045	0.0448	0.0447	0.0445	0.0443	0.0441	0.044	0.044	0.0439	0.0438	0.0436	0.045	0.046	0.0436
11	0.0435	0.0433	0.043	0.0428	0.0428	0.0429	0.0433	0.0435	0.0437	0.0434	0.0434	0.0434	0.0433	0.0433	0.0433	0.0431	0.0428	0.0422	0.0422	0.0415	0.0411	0.0408	0.0402	0.0396	0.0426	0.0437	0.0396
12	0.039	0.0387	0.0387	0.039	0.0396	0.0403	0.041	0.0416	0.0423	0.043	0.0436	0.0442	0.0446	0.045	0.0452	0.0455	0.0457	0.0459	0.0461	0.0464	0.0466	0.0465	0.0462	0.0459	0.0434	0.0466	0.0387
13	0.0454	0.045	0.0444	0.0439	0.0437	0.0436	0.0438	0.0442	0.0447	0.0453	0.0454	0.0449	0.0447	0.0428	0.0412	0.04	0.0383	0.0366	0.0359	0.0351	0.0352	0.0343	0.0349	--	0.0414	0.0454	0.0343
14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0449	0.0445	0.0439	0.0433	0.0427	0.0424	0.0421	0.042	0.0418	--	--	--
15	0.0416	0.0415	0.0412	0.0416	0.0422	0.0426	0.0431	0.0437	0.0444	0.045	0.0457	0.0463	0.0469	0.047	0.0468	0.0466	0.0463	0.0459	0.0455	0.0451	0.0451	0.0447	0.0445	0.0445	0.0445	0.047	0.0412
16	0.0441	0.0438	0.0439	0.0442	0.0444	0.0447	0.0449	0.0454	0.0455	0.0456	0.0456	0.0451	0.0444	0.0434	0.0428	0.0423	0.0417	0.0413	0.0411	0.0406	0.0404	0.0408	0.0413	0.0412	0.0433	0.0456	0.0404
17	0.0411	0.0408	0.0407	0.0406	0.0411	0.0416	0.0414	0.0418	0.0422	0.0419	0.0416	0.0411	0.0408	0.0404	0.0395	0.0387	0.0376	0.0362	0.0351	0.0343	0.0336	0.0334	0.032	0.0305	0.0387	0.0422	0.0305
18	0.0295	0.0295	0.0298	0.0308	0.0317	0.0327	0.0333	0.0349	0.037	0.0387	0.0397	0.0402	0.0402	0.0398	0.0391	0.0384	0.0376	0.0371	0.0365	0.0358	0.0357	0.0358	0.0362	0.0365	0.0357	0.0402	0.0295
19	0.0362	0.0361	0.0367	0.0375	0.0384	0.0393	0.0404	0.0414	0.0428	0.0448	0.0463	0.0466	0.0463	0.0459	0.0456	0.0452	0.0449	0.0446	0.0441	0.0438	0.0439	0.0442	0.0443	0.044	0.0426	0.0466	0.0361
20	0.0436	0.0433	0.0436	0.0442	0.0448	0.0454	0.0462	0.0469	0.0479	0.0489	0.0495	0.0496	0.0498	0.0499	0.05	0.0498	0.0496	0.0493	0.0493	0.0494	0.0486	0.0472	0.0459	0.0445	0.0474	0.05	0.0433
21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0392	0.0391	0.0392	0.0395	0.0399	0.0401	0.0401	--	--	--
23	0.0403	0.0403	0.0402	0.0402	0.0402	0.0406	0.0408	0.0409	0.0409	0.0409	0.0411	0.0415	0.042	0.0425	0.0428	0.0432	0.0435	0.0437	0.0438	0.044	0.0437	0.0433	0.0433	0.0426	0.0419	0.044	0.0402
24	0.0417	0.0411	0.0412	0.0415	0.0416	0.0422	0.0424	0.0424	0.0429	0.0432	0.0432	0.0428	0.0423	0.042	0.0419	0.0422	0.0424	0.0429	0.0435	0.0439	0.0444	0.0448	0.0451	0.045	0.0428	0.0451	0.0411
25	0.0445	0.0438	0.0435	0.0436	0.0441	0.0445	0.0446	0.0448	0.0449	0.0452	0.0455	0.0453	0.0452	0.045	0.0449	0.0453	0.0458	0.0466	0.0475	0.0484	0.0492	0.0499	0.0498	0.0496	0.0459	0.0499	0.0435
26	0.0489	0.0481	0.0475	0.0469	0.0466	0.0463	0.0458	0.046	0.0461	0.0466	0.0471	0.0469	0.0467	0.0465	0.0466	0.0468	0.0468	0.0466	0.046	0.0456	0.0455	0.0451	0.0445	0.0436	0.0464	0.0489	0.0436
27	0.0428	0.0421	0.042	0.0422	0.0423	0.0425	0.0427	0.0428	0.0428	0.0427	0.0426	0.0423	0.0422	0.0423	0.0424	0.0426	0.0428	0.0431	0.0433	0.0434	0.0432	0.0426	0.0418	0.041	0.0425	0.0434	0.041
28	0.0404	0.0403	0.0404	0.0405	0.0409	0.0415	0.0423	0.0431	0.0438	0.0441	0.0438	0.0437	0.0439	0.0441	0.044	0.0435	0.0433	0.0429	0.043	0.0432	0.0431	0.0426	0.0417	0.0412	0.0426	0.0441	0.0403
29	0.0413	--	--	--	--	--	--	--	--	--	--	--	0.0422	0.0426	0.0426	0.0424	0.0421	0.0418	0.0413	0.041	0.0407	0.0403	0.0399	0.0398	--	--	--
30	0.0399	0.0398	0.0399	0.0405	0.0413	0.0419	0.0427	0.0433	0.0438	0.0444	0.0449	0.0455	0.0459	0.046	0.0463	0.0465	0.0469	0.0473	0.0477	0.0482	0.0482	0.048	0.048	0.0478	0.0448	0.0482	0.0398
31	0.0474	0.0466	0.0462	0.0459	0.0455	0.0454	0.0453	0.0453	0.0454	0.0454	0.0454	0.045	0.0447	0.0446	0.0444	0.0445	0.0446	--	--	--	--	--	--	--	--	--	--
Avg	0.0415	0.0411	0.0411	0.0412	0.0415	0.0419	0.0424	0.0429	0.0434	0.0438	0.0441	0.0441	0.0439	0.0438	0.0436	0.0435	0.0433	0.0429	0.0428	0.0428	0.0427	0.0425	0.0423	0.0422	0.0427	--	--
Max	0.0489	0.0481	0.0475	0.0469	0.0466	0.0463	0.0462	0.0469	0.0479	0.0489	0.0495	0.0496	0.0498	0.0499	0.05	0.0498	0.0496	0.0493	0.0493	0.0494	0.0492	0.0499	0.0498	0.0496	--	0.05	--
Min	0.0295	0.0295	0.0298	0.0308	0.0317	0.0327	0.0333	0.0349	0.0352	0.0351	0.0356	0.0358	0.0364	0.0384	0.0391	0.0384	0.0376	0.0362	0.0351	0.0343	0.0336	0.0334	0.032	0.0305	--	--	0.0295

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: TableAmbient_Hourly, NO2_ppb"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	3.59	1.73	8.37	2.54	21.2	6.98	23.2	17.8	0.765	-0.262	-0.625	-0.59	-0.76	-0.747	-1.02	-0.854	-1.08	-1.1	-1.18	-1.2	-1.07	-1.08	-1.07	-1.1	3.02	23.2	-1.2
2	-1.07	-1.35	-1.33	-1.26	-1.27	-0.874	-1.02	-0.671	-0.49	0.08	-0.398	-0.735	-0.76	-0.534	-0.772	-0.911	-0.293	-0.764	-0.258	-0.421	0.153	11	10.3	12.9	0.802	12.9	-1.35
3	1.36	2.12	2.33	19.1	10.1	2.84	5.28	3.98	1.9	3.4	1.65	1.01	-0.753	-0.773	-0.813	-0.864	-1.09	-1.07	-1.2	-1.17	-1.06	-0.973	-1.24	21.3	2.72	21.3	-1.24
4	18.6	13.3	15.1	10.6	13.2	29.7	18.5	10.3	1.9	2.07	0.582	0.867	1.07	-0.359	-0.817	-0.583	-0.722	-1.04	-0.905	-0.524	3.86	12	10.6	8.37	6.91	29.7	-1.04
5	6.84	8.33	2.04	3.26	3.25	0.683	1.15	7.19	--	--	--	0.533	-0.124	-0.396	-0.442	-0.271	-0.063	-0.148	0.208	0.158	0.081	0.704	0.726	0.52	1.63	8.33	-0.442
6	2.62	0.347	2.47	1.18	-0.824	0.121	15.4	7.9	1.35	0.591	0.057	-0.394	-0.284	-0.55	0.119	0.276	0.527	1.3	2.98	2.6	1.62	1.04	8.78	7.72	2.37	15.4	-0.824
7	8.08	-0.309	-0.571	-0.787	-0.377	-0.712	-1.07	-0.239	-0.48	-0.46	0.373	0.363	-0.07	-0.153	0.592	-0.741	-0.466	-0.669	-0.143	-0.088	1.42	10.4	16.2	15.5	1.9	16.2	-1.07
8	15.8	54.2	35.7	4.48	20.9	2.1	0.722	2.05	7.58	1.1	-0.104	-0.452	-0.484	-0.87	-0.907	-0.849	-0.923	-0.879	-0.797	-0.233	-0.003	-0.645	-0.954	-1.08	5.64	54.2	-1.08
9	-1.19	-1.15	-1.04	-1.28	-0.919	-0.847	-0.622	1.12	-0.468	-0.401	-0.03	-0.304	-0.141	-0.408	-0.415	-0.434	0.234	-0.765	-0.957	-1	-0.903	-0.378	0.279	1.09	-0.456	1.12	-1.28
10	0.096	-0.821	-0.698	-0.077	0.271	-0.43	0.028	-0.283	0.494	--	--	1.12	1.91	1.01	2.22	1.86	1.77	0.949	0.285	0.041	0.188	0.769	1.27	0.343	0.56	2.22	-0.821
11	0.747	0.774	0.729	0.971	1.35	1.59	1.56	1.19	2.34	1.38	1.55	1.38	--	--	--	--	--	--	--	--	--	--	--	--	--	2.34	0.729
12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
24	--	--	--	--	--	--	--	--	--	--	3.38	1.02	-0.135	0.893	0.752	0.531	0.561	2.19	0.22	0.343	0.39	0.499	0.376	0.436	--	3.38	-0.135
25	0.509	0.568	0.492	0.662	0.726	--	--	--	--	--	1.71	0.835	0.542	1.89	2.45	3.95	2.04	1.31	0.692	1.51	1.74	1.46	2.31	1.18	1.4	3.95	0.492
26	0.71	0.468	0.258	0.68	0.646	0.278	0.49	3.99	1.94	2.39	1.37	1.12	1.13	0.718	1.25	1.02	0.568	1.24	2.1	1.96	1.69	1.39	0.819	0.574	1.2	3.99	0.258
27	0.854	0.834	0.76	1.36	3.58	3.77	1.71	3.43	2.22	3.95	3.05	1.48	1.51	2.29	2.15	0.243	0.377	0.51	1.39	2.08	2.91	1.91	1.73	1.67	1.91	3.95	0.243
28	4.11	0.162	0.064	0.289	0.116	0.503	1.25	0.703	1.43	2.69	1.48	2.03	2.18	1.27	2.67	4.34	0.27	0.163	0.067	0.999	0.882	0.236	0.624	0.832	1.22	4.34	0.064
29	0.306	0.133	0.266	0.264	0.345	0.48	0.497	1.1	1.03	1.07	0.664	0.721	0.61	0.264	0.347	-0.093	-0.257	-0.076	0.039	0.128	0.063	3.66	0.888	-0.03	0.517	3.66	-0.257
30	-0.126	-0.16	0.913	0.567	0.353	1.05	1.04	5.9	2.03	0.546	0.357	0.558	0.714	-0.019	-0.081	0.071	-0.025	0.66	1.55	0.955	-0.5	0.763	1.21	1.09	0.809	5.9	-0.5
31	-0.05	0.83	4.17	5.79	5.16	2.1	5.72	8.71	2.71	1.28	0.928	0.465	0.408	0.324	0.99	1.03	1.27	0.546	0.453	1.75	3.88	7.82	3.82	0.895	2.54	8.71	-0.05
Avg	3.43	4.44	3.89	2.69	4.32	2.9	4.34	4.36	1.64	1.3	0.94	0.581	0.365	0.214	0.46	0.428	0.151	0.131	0.252	0.437	0.852	2.81	3.15	4.01	2	--	--
Max	18.6	54.2	35.7	19.1	21.2	29.7	23.2	17.8	7.58	3.95	3.38	2.03	2.18	2.29	2.67	4.34	2.04	2.19	2.98	2.6	3.88	12	16.2	21.3	--	54.2	--
Min	-1.19	-1.35	-1.33	-1.28	-1.27	-0.874	-1.07	-0.671	-0.49	-0.46	-0.625	-0.735	-0.76	-0.87	-1.02	-0.911	-1.09	-1.1	-1.2	-1.2	-1.07	-1.08	-1.24	-1.1	--	--	-1.35

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: TableAmbient_Hourly, NO2_ppb"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.187	-0.142	-0.535	-0.437	-0.051	1.67	2.13	4.06	11.3	1.67	--	--	--	--	--	0.536	0.257	0.405	0.249	-0.086	-0.158	-0.145	1.03	1.78	1.25	11.3	-0.535
2	2.2	2.08	2.39	2.95	2.06	3.47	1.52	1.31	2.96	1.17	0.476	0.401	0.346	0.164	0.315	0.195	-0.039	0.18	-0.096	2.08	0.814	1.28	10.3	-0.241	1.6	10.3	-0.241
3	-0.341	-0.232	-0.008	2.1	0.873	2.03	0.753	3.09	2.42	0.742	0.558	0.516	0.439	0.117	0.049	-0.018	0.335	-0.101	4.77	5.57	3.29	1.15	0.646	2.35	1.3	5.57	-0.341
4	-0.168	0.364	2.87	1.92	4.05	1.47	0.796	1.51	0.521	0.416	0.439	0.164	0.368	-0.317	-0.275	0.054	-0.262	-0.384	-0.363	-0.489	0.685	0.95	1.28	0.846	0.685	4.05	-0.489
5	0.183	0.521	0.534	0.924	0.845	1.08	0.172	0.402	0.357	0.419	0.471	0.247	0.069	0.13	-0.037	-0.335	-0.016	-0.323	-0.455	-0.428	-0.391	-0.167	-0.291	-0.392	0.147	1.08	-0.455
6	-0.503	-0.102	0.577	9.58	4.68	6.49	5.47	4.04	6.17	3.73	0.507	0.295	0.142	-0.006	0.109	-0.06	-0.213	-0.187	-0.218	-0.103	0.137	0.025	-0.35	-0.351	1.66	9.58	-0.503
7	-0.359	-0.217	0.032	4.24	0.759	1.62	4.05	4.85	--	--	--	--	--	--	-0.407	-0.34	-0.157	-0.815	-0.994	0.031	2.42	3	0.61	4.99	1.3	4.99	-0.994
8	2.61	0.199	0.174	2.36	3.95	2.23	5.99	2.57	2.23	0.87	0.123	0.313	0.433	-0.05	-0.201	-0.316	-0.217	-0.473	-0.402	1.06	7.19	4.37	0.298	3.41	1.61	7.19	-0.473
9	3.72	2.93	1.62	6.31	3.3	6.82	1.3	0.343	-0.045	-0.385	0.184	-0.283	-0.044	-0.348	-0.015	-0.692	-0.766	-0.767	-0.626	0.518	2.01	1.37	-0.168	2.37	1.19	6.82	-0.767
10	-0.881	3.94	0.527	0.084	1.73	7.58	5.89	6.55	0.255	-0.092	0.458	-0.186	-0.42	-0.617	-0.512	-0.809	-0.723	-0.646	-0.375	-0.343	-0.195	-0.231	-0.552	-1.14	0.804	7.58	-1.14
11	7.5	10.6	11.2	1.87	2.84	-0.196	1.31	2.05	4.45	2.69	-0.701	-0.676	-0.432	-0.598	-0.967	-1.11	-1.27	-1.05	-1.14	7.27	2.24	0.883	-0.728	1.71	1.99	11.2	-1.27
12	-1.49	-1.52	-0.907	0.388	0.468	0.266	0.461	0.955	-0.152	-0.476	-0.452	-0.457	-0.575	-0.439	-0.737	-0.943	-0.737	-0.715	0.179	1.82	-0.614	2.8	0.14	-0.903	-0.152	2.8	-1.52
13	-1.36	0.142	-0.653	-1.25	-0.84	-0.815	-0.985	-0.53	0.326	0.091	-0.394	-0.493	0.122	-0.457	-0.575	-0.632	-0.34	-0.269	0.356	1.43	0.783	1.68	0.055	0.836	-0.157	1.68	-1.36
14	0.952	4.49	-0.656	0.17	-1.03	2.08	3.35	5.42	2.62	1.23	-0.168	-0.449	-0.361	-0.561	-0.761	-1.08	-0.67	-0.353	1.07	2.1	0.755	1.12	1.56	5.41	1.09	5.42	-1.08
15	0.214	-0.931	-0.935	-1.39	-0.18	2.42	1.56	2.06	2.84	0.697	-0.699	-0.717	-0.016	-0.631	-1.08	-0.324	-0.863	-1.13	-0.811	-0.256	3.11	8.94	-0.504	0.916	0.512	8.94	-1.39
16	-0.405	-1.27	-1.29	-1.19	0.019	1.26	0.934	1.21	1.07	0.346	-0.568	0.62	-0.715	-0.84	--	--	--	--	--	--	--	--	--	--	--	1.26	-1.29
17	--	--	--	--	--	--	--	--	--	--	--	--	--	-0.335	-0.713	-0.305	-0.082	0.097	0.189	0.045	-0.076	0.319	0.917	0.263	--	0.917	-0.713
18	-0.763	-0.925	0.306	0.496	-0.115	-0.454	-0.792	-0.625	-1.02	-0.913	-1.2	-1.12	-0.948	-0.697	-0.811	-0.56	-0.444	-0.938	-0.659	-1.25	0.397	1.67	-0.465	-0.852	-0.529	1.67	-1.25
19	-0.881	-0.547	-0.404	-0.609	-1.17	-0.954	-0.934	-0.673	-0.562	-0.655	-0.649	-0.531	-0.857	-0.815	-1.16	-0.907	-1.05	-1.19	-1.05	-1.13	-1.32	-0.958	-0.207	-0.891	-0.838	-0.207	-1.32
20	-0.69	-0.809	0.017	-0.651	-0.849	-0.227	-0.188	-0.118	-0.432	-0.304	-0.1	-0.236	-0.387	-0.221	-0.463	-0.449	-0.112	-0.443	-0.412	1.4	0.09	7.09	1.11	-0.85	0.0738	7.09	-0.85
21	1.36	0.045	-0.97	-0.847	0.231	1.86	3.6	1.3	--	--	--	--	3.23	2.62	1.6	1.91	4.09	3.57	3.1	1.01	0.561	0.86	0.711	0.743	1.53	4.09	-0.97
22	0.937	1.33	1.06	1.18	1.13	1.14	0.917	1.18	1.42	1.81	2.03	1.89	1.79	1.81	1.35	1.43	1.9	1.36	1.01	0.882	0.947	1.07	2.43	1.1	1.38	2.43	0.882
23	1.77	1.18	0.75	0.894	1.13	0.883	0.93	0.961	1.02	1.74	2.22	1.77	0.659	0.773	0.846	0.751	0.764	0.818	1.12	2.49	2.26	1.61	1.85	2.02	1.3	2.49	0.659
24	0.584	0.563	1.96	3.35	4.44	4.71	6.26	7.09	4.65	2.6	2.05	1.1	0.849	0.803	0.894	0.789	0.641	0.917	0.923	0.857	5.35	5	3.95	2.37	2.61	7.09	0.563
25	3.74	12.7	5.39	2.06	0.499	1.33	2.27	2.87	3.11	1.84	1.35	2.68	1.35	1.03	1.02	0.971	0.952	1.06	2.76	2.76	0.878	0.706	1.85	2.94	2.42	12.7	0.499
26	3.2	3.69	0.974	1.2	1.93	2.2	2.22	0.953	3.32	3.41	4.06	2.17	1.84	1.71	1.74	1.61	0.964	3.59	6.05	4.17	3.03	3.49	3.22	3.35	2.67	6.05	0.953
27	4.54	4.03	1.71	1.2	2.06	1.83	3.22	2.42	1.79	3.08	1.32	1.84	1.29	0.614	0.635	1.48	1.54	1.33	1.5	2.63	2.73	3.51	4.9	6.27	2.39	6.27	0.614
28	2.7	1.39	1.89	2.84	4.74	6.22	4.53	5.53	4.51	2.98	2.36	2.04	1.25	1.49	1.4	1.75	4.69	8.17	6.83	5.95	5.39	4.61	5.63	6.36	3.97	8.17	1.25
29	5.57	2.52	1.75	1.27	2.13	0.968	0.807	1.56	1.75	1.94	1.59	1.32	1.62	1.57	1.44	1.23	1.33	2.59	1.88	1.5	1.34	1.5	1.06	0.829	1.71	5.57	0.807
30	0.753	0.632	0.748	1.17	1.22	1.35	1.55	1.42	--	--	--	5.09	5.35	1.15	2	1.95	3.78	6.03	5.18	2.62	1.42	1.04	1.38	2.04	2.28	6.03	0.632
Avg	1.2	1.61	1.04	1.45	1.41	2.08	2.04	2.2	2.19	1.18	0.61	0.666	0.607	0.252	0.167	0.199	0.458	0.701	1.02	1.52	1.55	2.02	1.44	1.63	1.22	--	--
Max	7.5	12.7	11.2	9.58	4.74	7.58	6.26	7.09	11.3	3.73	4.06	5.09	5.35	2.62	2	1.95	4.69	8.17	6.83	7.27	7.19	8.94	10.3	6.36	--	12.7	--
Min	-1.49	-1.52	-1.29	-1.39	-1.17	-0.954	-0.985	-0.673	-1.02	-0.913	-1.2	-1.12	-0.948	-0.84	-1.16	-1.11	-1.27	-1.19	-1.14	-1.25	-1.32	-0.958	-0.728	-1.14	--	--	-1.52

[1] -- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: TableAmbient_Hourly, NO2_ppb"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.17	2.8	1.4	1.35	1.6	1.76	2.08	2.29	2.15	4.05	2.84	2.89	6.38	3.14	4.56	4.48	7.16	4.87	3.14	5.51	6.13	1.13	1.43	1.89	3.17	7.16	1.13
2	2.67	2.89	2.09	4.53	5.54	6.26	3.21	3.02	4.6	4.09	3.3	2.57	1.89	1.06	1.42	1.88	2.43	4.98	5.59	3.98	4.61	3.39	1.68	1.61	3.3	6.26	1.06
3	1.11	2.84	2.44	2.96	3.83	6.65	4.62	2.46	7.09	5.25	1.01	1.09	0.97	1.02	0.778	0.786	0.65	0.49	0.333	1.88	4.2	1.3	0.542	0.623	2.29	7.09	0.333
4	0.765	0.562	0.634	0.611	1.47	3.44	4.51	4.64	5.61	2.64	2.03	1.58	1.36	1.14	1.67	1.62	2.33	2.53	1.97	1.92	2.48	4.18	5.6	3.99	2.47	5.61	0.562
5	4.03	2.13	1.86	0.974	0.718	0.825	0.581	0.613	2.73	--	--	--	1.16	1.12	1.08	5	--	--	--	--	--	--	--	--	--	5	0.581
6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8	--	--	--	--	--	--	--	--	--	0.909	0.637	0.761	1.86	1.54	1.76	1.02	0.686	0.426	0.471	4.3	4.48	4.43	1.97	5.29	--	5.29	0.426
9	1.75	0.414	0.762	0.244	0.241	0.659	0.655	0.236	0.458	0.674	0.52	0.482	0.732	0.596	1.04	0.677	0.223	0.711	0.629	0.64	1.01	0.152	0.265	0.244	0.584	1.75	0.152
10	0.207	0.234	0.15	0.154	0.201	0.267	0.439	0.242	0.253	0.405	0.499	0.434	0.506	1.2	-0.085	0.063	0.157	0.162	0.35	0.561	0.43	0.186	0.127	0.021	0.298	1.2	-0.085
11	0.058	0.11	0.205	0.188	0.447	0.842	0.812	1.45	1.1	1.65	1.86	1.51	0.881	0.519	0.461	0.863	0.772	4.65	1.2	1.85	2.65	1.18	1.05	1.28	1.15	4.65	0.058
12	0.532	1.17	0.426	2.62	1.13	1.49	1.63	1.33	1.65	1.3	1.5	0.734	0.808	0.451	0.64	0.788	1	0.778	0.315	0.292	0.506	0.509	0.57	0.61	0.949	2.62	0.292
13	0.773	0.647	0.649	0.675	0.964	1.51	2.31	1.23	1.73	1.93	1.99	2.41	0.937	0.983	1.04	1.12	1.44	1.6	2.78	9.35	5.4	17.2	14.6	8.81	3.42	17.2	0.647
14	14.1	13.3	3.5	6.28	3.82	10.3	6.52	--	--	--	--	--	--	--	--	0.932	1.15	1.24	1.04	0.616	1.01	2.51	1.09	0.967	--	14.1	0.616
15	2.28	1.71	1.6	1.74	2.05	1.3	1.25	1.12	1.36	1.99	7.03	1.96	1.55	1.96	1.51	1.78	2.16	2.23	2.07	4.03	1.72	3.06	4.41	2.27	2.26	7.03	1.12
16	0.907	0.972	0.669	0.762	0.678	0.946	0.833	0.902	1.3	1.14	1.34	0.567	1.9	1.32	2.22	1.39	3.68	4.43	4.09	4.15	4.98	7.04	3.41	4.73	2.27	7.04	0.567
17	2.52	4.19	2.99	2.99	3.05	1.29	1.41	2.31	2.14	1.83	1.48	1.68	1.43	1.5	2.14	1.28	1.08	2.13	1.87	1.53	1.39	1.17	2.61	1.83	1.99	4.19	1.08
18	3.03	2.8	5.12	2.87	2.55	1.87	3.12	4.74	3.3	2.67	2.43	3.33	2.88	2.45	2.45	2.88	3.11	3.59	3.32	3.8	4.15	4.56	4.12	3.67	3.28	5.12	1.87
19	3.21	2.74	2.51	2.62	2.37	2.35	2.11	2.5	4	4.3	3.71	2.98	3.28	3.11	2.58	2.58	2.62	3.49	4.05	4.18	4.87	4.37	3.55	3.24	3.22	4.87	2.11
20	2.39	1.89	1.66	1.61	1.68	2.6	2.44	3.22	4.4	3.62	1.66	1.96	2.38	2.59	1.19	1.03	1.23	1.39	2.22	1.76	1.35	1.29	0.999	1.16	1.99	4.4	0.999
21	1.34	1.03	0.831	0.858	2.35	3.98	4.28	3.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.28	0.831
22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.339	1	1.88	1.14	0.538	0.256	1.03	--	1.88	0.256
23	0.048	0.273	0.118	0.315	0.795	0.821	0.402	-0.072	0.004	0.493	1.05	0.685	1.11	0.406	0.605	0.694	0.785	0.737	1.59	0.308	0.094	-0.144	-0.214	-0.419	0.437	1.59	-0.419
24	-0.502	0.121	0.431	0.233	0.415	0.392	-0.143	2.78	2.76	1.83	0.647	0.286	1.61	0.579	0.856	0.733	0.879	0.969	1.18	1.18	0.681	0.324	-0.197	-0.321	0.738	2.78	-0.502
25	-0.489	-0.5	-0.42	-0.49	-0.432	-0.515	-0.529	-0.394	-0.373	-0.132	-0.26	-0.242	-0.35	-0.35	-0.003	0.018	0.31	0.336	0.292	0.247	-0.12	-0.451	-0.559	-0.762	-0.257	0.336	-0.762
26	-0.689	-0.826	-0.78	-0.721	-0.712	-0.779	-0.397	-0.431	-0.235	-0.153	-0.195	0.022	0.072	0.289	0.01	-0.021	0.034	0.2	0.095	0.451	0.205	-0.303	-0.464	-0.571	-0.246	0.451	-0.826
27	-0.317	0.314	0.446	-0.202	0.123	0.739	0.841	0.526	0.507	0.531	0.234	0.47	0.724	0.884	1.81	1.57	2.06	1.59	0.675	0.214	0.15	0.041	-0.08	-0.117	0.572	2.06	-0.317
28	0.003	0.808	0.597	0.522	0.982	1.91	1.62	0.384	0.081	0.009	0.43	0.973	0.663	1.15	0.504	1.09	0.798	2.13	2.7	0.95	-0.331	-0.32	0.437	1.64	0.822	2.7	-0.331
29	-0.071	0.769	-0.024	-0.47	-0.264	0.541	0.664	1.53	0.064	--	--	1.01	1.88	1.69	1.76	1.37	1.46	0.957	1.64	0.831	0.483	0.496	0.868	1.12	0.831	1.88	-0.47
30	0.948	0.539	0.794	0.754	0.411	0.758	0.458	0.578	0.446	0.888	1.27	0.313	0.414	1.06	0.86	1.28	1.2	1.32	1.05	0.433	0.266	0.391	0.014	-0.077	0.683	1.32	-0.077
31	-0.163	-0.211	-0.183	-0.268	-0.157	-0.122	-0.112	-0.126	-0.069	0.126	0.314	0.119	0.478	0.52	0.594	0.26	0.473	0.365	1.34	0.727	0.194	0.164	0.111	-0.068	0.179	1.34	-0.268
Avg	1.54	1.62	1.13	1.25	1.33	1.93	1.69	1.58	1.88	1.75	1.56	1.22	1.44	1.23	1.29	1.38	1.53	1.8	1.74	2.13	2.01	2.16	1.79	1.62	1.61	--	--
Max	14.1	13.3	5.12	6.28	5.54	10.3	6.52	4.74	7.09	5.25	7.03	3.33	6.38	3.14	4.56	5	7.16	4.98	5.59	9.35	6.13	17.2	14.6	8.81	--	17.2	--
Min	-0.689	-0.826	-0.78	-0.721	-0.712	-0.779	-0.529	-0.431	-0.373	-0.153	-0.26	-0.242	-0.35	-0.35	-0.085	-0.021	0.034	0.162	0.095	0.214	-0.331	-0.451	-0.559	-0.762	--	--	-0.826

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: TableAmbient_Hourly, SO2_ppb"
Month: Oct 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.708	0.671	0.658	0.624	0.637	1.46	2.69	1.96	2.58	3.82	3.07	1.83	1.02	0.67	0.706	0.699	0.691	0.672	0.748	0.737	0.707	0.753	0.691	0.708	1.23	3.82	0.624
2	0.703	0.674	0.697	0.715	0.73	0.696	0.699	0.752	0.767	0.737	0.75	0.715	0.756	0.692	0.739	0.72	0.731	0.74	0.72	0.706	0.731	0.693	0.677	0.682	0.718	0.767	0.674
3	0.673	0.682	0.654	0.733	1.34	3.3	4.87	2.7	1.32	0.961	1.17	2.19	1.87	0.702	0.723	0.667	0.714	0.655	0.708	0.703	0.731	0.746	0.764	0.741	1.26	4.87	0.654
4	0.766	0.719	0.764	0.781	0.739	0.784	0.74	0.774	0.991	0.98	0.985	1.38	1.61	1.63	1.49	2.32	1.25	0.844	0.838	0.928	0.866	0.834	0.793	0.804	1.03	2.32	0.719
5	0.772	1.53	3.1	3.37	2.84	1.69	1.35	1.32	1.07	2.94	--	5.93	5.45	2.79	0.91	0.865	0.698	0.748	0.834	0.828	0.795	0.814	0.785	0.795	1.84	5.93	0.698
6	0.77	0.732	0.719	0.746	0.684	0.661	0.683	0.66	0.726	0.678	0.621	0.63	0.669	0.684	0.691	0.685	0.669	0.73	0.708	0.779	0.721	0.676	0.687	0.659	0.695	0.779	0.621
7	0.748	0.765	0.7	0.686	0.659	0.628	0.668	0.643	0.657	0.623	0.64	0.676	0.737	0.793	0.839	0.76	0.785	0.713	0.699	0.689	0.692	0.726	0.668	0.68	0.703	0.839	0.623
8	0.784	0.937	0.769	0.737	0.718	0.899	1.42	1.45	2.45	3.45	1.3	1.8	1.38	0.953	0.745	0.777	0.786	0.792	0.791	0.78	0.772	0.759	0.702	0.731	1.11	3.45	0.702
9	0.73	0.694	0.717	0.732	0.706	0.707	0.689	0.665	0.672	0.639	0.709	0.647	0.748	0.751	0.761	0.741	0.714	0.682	0.627	0.61	0.61	0.599	0.619	0.585	0.681	0.761	0.585
10	0.589	0.591	0.572	0.573	0.564	0.552	0.532	0.617	0.641	0.587	--	--	0.699	0.709	0.699	0.762	0.826	0.759	0.702	0.655	0.677	0.843	0.847	0.741	0.67	0.847	0.532
11	0.747	0.722	0.736	0.743	0.708	0.697	0.739	0.746	0.723	0.73	0.763	0.77	--	--	--	--	--	--	--	--	--	--	--	--	--	0.77	0.697
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24	--	--	--	--	--	--	--	--	--	--	-0.234	1.55	1.6	0.269	3.36	1.14	1.32	1.38	1.42	1.5	1.53	1.57	1.59	1.56	--	3.36	-0.234
25	1.61	1.66	1.67	1.62	1.67	--	--	--	--	--	1.64	1.25	1.35	1.43	1.55	1.65	1.66	1.69	1.72	1.79	1.76	1.77	1.78	1.75	1.63	1.79	1.25
26	1.76	1.77	1.77	1.79	1.78	1.81	1.86	1.97	1.08	2.86	2.27	2.76	3.05	2.22	1.93	2.1	1.86	1.82	1.87	1.84	1.85	1.85	1.79	1.84	1.98	3.05	1.08
27	1.85	1.79	1.81	1.81	1.81	1.83	1.78	1.8	1.79	2.25	2.6	2.14	2.16	2	1.83	1.83	1.86	1.79	1.8	1.87	1.82	1.8	1.8	1.81	1.9	2.6	1.78
28	1.99	2.1	1.84	1.8	1.82	1.85	1.84	1.85	1.81	1.9	1.84	2	1.85	2.52	2.94	2.62	2.22	2.22	2.12	2.03	2.02	2.15	2.15	3.63	2.13	3.63	1.8
29	4.02	2.17	1.89	1.87	1.83	1.85	1.86	1.86	1.83	1.85	1.8	1.79	1.78	1.73	1.88	1.87	1.92	2.06	2.23	2.58	2.74	2.6	2.49	2.4	2.12	4.02	1.73
30	2.18	2.07	2.06	2.13	2.12	2.15	2.3	2.85	3.49	2.29	2.18	2.11	2.01	1.95	1.98	1.99	1.97	1.97	1.97	1.93	1.85	1.8	1.82	1.84	2.12	3.49	1.8
31	1.86	1.83	1.79	1.8	1.79	1.79	1.8	1.85	1.84	1.83	1.77	1.8	1.79	1.77	1.78	1.82	1.84	1.82	1.81	1.74	1.7	1.81	1.78	1.75	1.8	1.86	1.7
Avg	1.29	1.23	1.27	1.29	1.29	1.37	1.56	1.44	1.44	1.71	1.4	1.78	1.7	1.35	1.42	1.33	1.25	1.23	1.24	1.26	1.25	1.27	1.25	1.32	1.37	--	--
Max	4.02	2.17	3.1	3.37	2.84	3.3	4.87	2.85	3.49	3.82	3.07	5.93	5.45	2.79	3.36	2.62	2.22	2.22	2.23	2.58	2.74	2.6	2.49	3.63	--	5.93	--
Min	0.589	0.591	0.572	0.573	0.564	0.552	0.532	0.617	0.641	0.587	-0.234	0.63	0.669	0.269	0.691	0.667	0.669	0.655	0.627	0.61	0.61	0.599	0.619	0.585	--	--	-0.234

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: TableAmbient_Hourly, SO2_ppb"
Month: Nov 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.73	1.75	1.77	1.76	1.72	1.7	1.74	1.77	1.85	1.81	--	--	--	--	--	1.9	1.88	1.84	1.86	1.81	1.8	1.77	1.79	1.83	1.79	1.9	1.7
2	1.79	1.78	1.76	1.67	1.66	1.72	1.69	1.7	1.7	1.73	1.64	1.75	1.74	1.77	1.77	1.76	1.79	1.72	1.71	1.73	1.74	1.71	1.75	1.68	1.73	1.79	1.64
3	1.71	1.66	1.69	1.66	1.73	1.98	2.76	4.37	4.64	2.48	2.15	2.08	2.38	2.29	1.9	1.74	1.75	1.75	1.77	1.75	1.74	1.72	1.72	1.72	2.13	4.64	1.66
4	1.74	1.73	1.79	1.85	2.19	2.34	2.41	2.71	2.5	6.13	3.78	2.2	1.89	1.72	1.77	1.78	1.77	1.74	1.73	1.74	1.78	1.82	1.8	1.82	2.2	6.13	1.72
5	1.77	1.76	1.79	1.77	1.78	1.77	1.76	1.73	1.72	1.71	1.73	1.71	1.7	1.7	1.75	1.75	1.76	1.71	1.7	1.76	1.6	1.77	1.8	1.78	1.74	1.8	1.6
6	1.73	1.69	1.72	1.75	1.71	1.71	1.66	1.65	1.72	1.7	1.75	1.77	1.73	1.7	1.74	1.76	1.75	1.72	1.71	1.67	1.73	1.65	1.65	1.7	1.71	1.77	1.65
7	1.69	1.68	1.68	1.7	1.65	1.65	1.67	1.67	1.7	1.65	1.67	1.71	1.7	--	--	0.822	0.864	0.86	0.804	0.783	0.783	0.815	0.827	0.765	1.32	1.71	0.765
8	0.782	0.83	0.71	0.729	0.794	0.768	0.786	0.787	0.808	0.826	0.807	0.82	0.829	0.868	0.815	0.777	0.79	0.837	0.81	0.778	0.81	0.793	0.792	0.758	0.796	0.868	0.71
9	0.814	0.829	0.831	0.804	0.847	0.829	0.775	0.756	0.811	0.772	0.755	0.806	0.795	0.799	0.811	0.812	0.785	0.854	0.81	0.827	0.804	0.809	0.769	0.817	0.805	0.854	0.755
10	0.735	0.725	0.79	0.829	0.796	0.836	0.785	0.823	0.799	0.82	0.823	0.805	0.862	0.87	0.85	0.864	0.78	0.863	0.854	0.859	0.813	0.893	0.833	0.781	0.82	0.893	0.725
11	0.852	0.831	0.842	0.869	0.802	0.782	0.809	0.777	0.813	0.841	0.779	0.795	0.794	0.848	0.83	0.837	0.807	0.811	0.804	0.837	0.806	0.779	0.772	0.768	0.812	0.869	0.768
12	0.734	0.735	0.763	0.774	0.774	0.696	0.692	0.741	0.743	0.709	0.734	0.731	0.737	0.767	0.769	0.746	0.773	0.78	0.794	0.752	0.734	0.765	0.73	0.723	0.746	0.794	0.692
13	0.716	0.762	0.681	0.733	0.699	0.731	0.735	0.707	0.742	0.72	0.692	0.721	1.06	1.14	0.868	0.998	1.09	0.818	0.812	0.747	0.745	0.814	0.824	0.79	0.806	1.14	0.681
14	0.781	0.79	0.744	0.783	0.764	0.797	1.19	1.82	2.53	2.08	1.58	1.18	1.82	2.28	2.29	1.89	1.77	1.54	1.5	1.29	1.28	1.34	1.31	1.15	1.44	2.53	0.744
15	1.03	0.992	0.865	0.814	0.985	1.06	1.02	1.15	1.06	3.3	6.94	3.15	1.79	1.3	1.55	1.77	1.79	1.37	1.49	2.12	1.87	1.05	0.954	0.903	1.68	6.94	0.814
16	0.831	0.819	0.768	0.805	0.787	0.889	1.16	2.02	2.66	2.74	2.17	3.38	1.94	2.52	--	--	--	--	--	--	--	--	--	--	--	3.38	0.768
17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.781	0.741	0.818	0.824	0.8	0.802	0.841	0.877	0.857	0.836	--	0.877	0.741
18	0.754	0.792	0.743	0.727	0.735	0.759	0.802	0.75	0.679	0.669	0.684	0.672	0.718	0.72	0.716	0.741	0.731	0.738	0.759	0.709	0.708	0.726	0.693	0.715	0.727	0.802	0.669
19	0.745	0.762	0.757	0.741	0.713	0.747	0.758	0.746	0.746	0.746	0.715	0.74	0.778	0.812	0.786	0.764	0.807	0.8	0.798	0.792	0.777	0.768	0.754	0.775	0.764	0.812	0.713
20	0.786	0.76	0.819	0.827	0.793	0.802	0.771	0.784	0.754	0.752	0.779	0.77	0.78	0.976	1.2	0.953	0.973	0.886	0.834	0.821	0.774	0.798	0.781	0.791	0.832	1.2	0.752
21	0.802	0.757	0.753	0.784	0.773	0.748	0.774	0.795	0.767	0.712	0.746	--	--	0.545	1.77	1.17	0.817	0.516	0.538	0.516	0.517	0.517	0.539	0.532	0.745	1.77	0.516
22	0.508	0.518	0.52	0.514	0.492	0.483	0.491	0.439	0.397	0.506	0.466	0.455	0.497	0.484	0.528	0.534	0.538	0.509	0.501	0.468	0.482	0.49	0.509	0.508	0.493	0.538	0.397
23	0.505	0.505	0.496	0.516	0.545	0.522	0.559	0.575	0.502	0.538	0.545	0.543	0.531	0.539	0.678	0.86	0.836	0.834	0.878	1.3	1.78	1.47	1.55	1.35	0.79	1.78	0.496
24	1.16	0.808	0.645	0.634	0.623	0.614	0.502	0.591	0.61	0.596	0.626	0.958	0.977	1.2	0.982	1.05	1.09	1.13	1.22	1.24	1.05	1.06	1.09	1.16	0.9	1.24	0.502
25	0.884	0.76	0.643	0.667	0.678	0.702	0.675	0.701	0.687	0.612	0.594	0.576	0.654	0.871	1.17	1.77	2.08	2.25	1.99	1.88	1.84	1.13	1.16	1.16	1.09	2.25	0.576
26	0.816	0.596	0.608	0.572	0.573	0.639	0.955	1.81	2.16	2.31	1.33	0.867	0.718	0.704	0.802	0.845	0.816	0.818	0.715	0.658	0.664	0.63	0.641	0.611	0.91	2.31	0.572
27	0.637	0.624	0.518	0.61	0.633	0.611	0.593	0.59	0.625	0.728	0.774	0.892	0.93	0.986	0.891	0.939	1.05	1	1.06	1.24	1.1	1.12	1.12	0.827	0.837	1.24	0.518
28	0.756	0.705	0.68	0.697	0.66	0.641	0.601	0.6	0.609	0.624	0.642	0.613	0.846	1.18	1.32	1.85	1.47	1.27	1.15	0.962	0.738	0.738	0.653	0.621	0.859	1.85	0.6
29	0.547	0.518	0.608	0.591	0.596	0.488	0.524	0.533	0.495	0.516	0.499	0.502	0.564	0.546	0.591	0.578	0.575	0.555	0.57	0.543	0.547	0.523	0.523	0.507	0.543	0.608	0.488
30	0.526	0.541	0.552	0.567	0.577	0.572	0.526	0.51	0.493	0.514	--	--	0.858	0.899	0.964	0.908	1.26	1.23	1.04	0.889	0.85	0.806	0.852	0.873	0.764	1.26	0.493
Avg	0.995	0.965	0.949	0.957	0.969	0.986	1.04	1.19	1.25	1.37	1.35	1.2	1.13	1.15	1.14	1.17	1.17	1.12	1.1	1.11	1.09	1.04	1.04	1.01	1.1	--	--
Max	1.79	1.78	1.79	1.85	2.19	2.34	2.76	4.37	4.64	6.13	6.94	3.38	2.38	2.52	2.29	1.9	2.08	2.25	1.99	2.12	1.87	1.82	1.8	1.83	--	6.94	--
Min	0.505	0.505	0.496	0.514	0.492	0.483	0.491	0.439	0.397	0.506	0.466	0.455	0.497	0.484	0.528	0.534	0.538	0.509	0.501	0.468	0.482	0.49	0.509	0.507	--	--	0.397

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: TableAmbient_Hourly, SO2_ppb"
Month: Dec 2017

Hour of Day

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.858	0.83	0.849	0.838	0.875	0.882	0.872	0.886	0.824	0.827	0.834	0.825	0.866	0.838	0.866	0.85	0.862	0.873	0.883	0.884	0.945	0.904	0.956	0.698	0.859	0.956	0.698
2	0.92	0.931	1	0.928	0.884	0.901	0.902	0.886	0.887	0.846	0.904	0.947	0.962	0.934	0.933	0.943	0.918	0.949	0.905	0.893	0.911	1.71	1.6	1.33	0.997	1.71	0.846
3	1.19	1.89	1.93	2.05	2.35	2.33	4.09	6.57	5.11	4.63	2.25	3.41	1.76	2.25	1.78	1.05	1.01	1.04	1.05	0.985	0.983	0.994	0.982	0.98	2.19	6.57	0.98
4	0.964	0.953	0.995	1.01	0.98	0.93	0.937	0.915	1.39	1.47	1.27	1.45	1.66	1.44	1.08	1.1	1.11	1.04	0.966	1.02	1.13	1.01	1.03	1.01	1.12	1.66	0.915
5	0.956	0.908	0.883	0.853	0.852	0.876	0.83	0.782	0.786	0.807	0.8	--	--	0.736	0.732	0.797	--	--	--	--	--	--	--	--	--	0.956	0.732
6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8	--	--	--	--	--	--	--	--	--	1.27	27.3	0.895	0.842	0.698	0.8	0.817	0.886	0.896	0.881	0.898	0.965	1.14	0.899	0.904	--	27.3	0.698
9	1.02	0.934	0.954	1.13	1.03	0.957	0.946	0.98	0.941	1.16	1.29	0.928	0.92	0.902	0.907	0.925	0.892	0.887	0.921	0.829	0.92	0.943	0.998	0.907	0.968	1.29	0.829
10	0.938	0.945	1.07	1.17	1.41	1.11	0.995	0.902	0.903	0.88	0.834	0.854	0.891	0.749	0.883	0.877	0.978	0.938	0.99	1.15	1.07	0.899	0.905	0.894	0.968	1.41	0.749
11	0.864	0.935	1.32	1.38	1.25	1.65	1.68	1.36	1.87	1.51	1.81	1.84	1.07	0.883	0.778	0.903	0.944	0.934	0.957	0.992	1.26	1.79	1.35	1.23	1.27	1.87	0.778
12	1.03	0.978	0.985	1.22	2.55	1.85	1.73	1.59	1.37	1.39	1.17	0.936	0.95	0.978	1	1.04	1.05	1.06	1.04	1.01	1.05	1.15	1.15	1.19	1.23	2.55	0.936
13	1.07	1.12	1.13	1.1	1.2	1.36	2.11	1.89	1.93	1.63	1.77	2.11	1.52	1.11	1.14	1.44	1.73	1.4	1.14	1.28	1.4	1.53	1.55	1.55	1.47	2.11	1.07
14	1.53	1.43	1.4	1.34	1.31	1.31	1.29	--	--	--	--	--	--	--	--	0.925	0.932	0.991	1.02	0.966	0.965	1.33	1.45	1.56	1.24	1.56	0.925
15	1.42	1.07	1.05	1.02	0.989	1.01	1.23	1.76	1.24	1.11	1.13	1.05	1.03	1.08	1.09	1.09	1.08	1.1	1.14	1.1	1.09	1.15	1.16	1.13	1.14	1.76	0.989
16	1.15	1.13	1.16	1.16	1.2	1.23	1.16	1.21	1.24	1.18	1.16	1.18	1.2	1.24	1.23	1.47	1.68	1.38	1.26	1.22	1.27	1.49	2.84	4.19	1.44	4.19	1.13
17	4.05	3.5	1.9	1.31	1.34	1.24	1.23	1.38	1.35	1.31	1.23	1.29	1.26	1.16	1.16	1.15	1.17	1.11	1.12	1.12	1.16	1.16	1.27	1.15	1.46	4.05	1.11
18	1.38	1.45	1.19	1.18	1.2	1.32	1.14	1.09	1.16	1.14	1.21	1.22	1.22	1.32	1.61	1.78	1.64	1.34	1.28	1.15	1.16	1.16	1.16	1.2	1.28	1.78	1.09
19	1.22	1.3	1.26	1.14	1.15	1.12	1.07	1.07	1.13	1.2	1.19	1.95	2.74	3.16	3.62	1.77	1.47	1.32	1.16	1.1	1.06	1.08	1.12	1.11	1.48	3.62	1.06
20	1.23	1.22	1.09	1.17	1.13	1.27	1.82	2.05	3.41	3.5	2.41	1.65	1.51	2.02	2.53	2.45	2.32	1.2	1.21	1.2	1.18	1.18	1.17	1.18	1.71	3.5	1.09
21	1.24	1.2	1.2	1.17	1.19	1.2	1.2	1.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.24	1.17
22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
29	--	--	--	--	--	--	--	--	--	--	--	2.63	4.57	3.16	1.93	1.64	1.41	1.52	1.45	1.33	1.41	1.4	1.55	1.5	--	4.57	1.33
30	1.6	1.67	2.21	2.38	1.67	1.13	1.15	1.1	1.02	1.34	1.7	1.14	1.21	4.18	2.07	2.63	2.92	2.59	2.28	1.75	1.65	1.56	1.34	1.2	1.81	4.18	1.02
31	0.983	1.01	0.993	0.959	1.12	1.25	1.16	1.15	1.88	3.15	3.85	2.75	2.72	3.28	4.22	3.3	3	2.74	2.58	2.45	2.47	3.26	2.85	1.79	2.29	4.22	0.959
Avg	1.28	1.27	1.23	1.23	1.28	1.25	1.38	1.51	1.58	1.6	2.85	1.53	1.52	1.61	1.52	1.38	1.4	1.27	1.21	1.17	1.2	1.34	1.37	1.33	1.42	--	--
Max	4.05	3.5	2.21	2.38	2.55	2.33	4.09	6.57	5.11	4.63	27.3	3.41	4.57	4.18	4.22	3.3	3	2.74	2.58	2.45	2.47	3.26	2.85	4.19	--	27.3	--
Min	0.858	0.83	0.849	0.838	0.852	0.876	0.83	0.782	0.786	0.807	0.8	0.825	0.842	0.698	0.732	0.797	0.862	0.873	0.881	0.829	0.911	0.899	0.899	0.698	--	--	0.698

-- Indicates Invalid Data

Appendix D – East Plant Site Check Forms

East Plant
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 10/05/17 Time: 08:43 Operator: P. Maduena

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propeller and the wind direction vane are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
✓		7.	The precipitation gauge is clean and free of bugs and dust.
✓		8.	The datalogger is reading the correct time and day.
✓		9.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	3m/s	2.96	0.58 P
Direction* 10m (deg)	W	120.370	110 P
Ambient Temperature (°C)	27°	27.07	27.7 P
Relative Humidity (%)	29%	29.96	27.4 P
Aspirated Temperature 2m	27°	27.07	26.3 P
Aspirated Temperature 10m	26°	25.82	25.4 P
Delta Temperature (°C)	N/A	-1.25	-0.81 P
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	579.844	458 ✱
Barometric Pressure (mmHg)	N/A	653.556	654 P
Battery Voltage (V)	N/A	12.68	12.7 P
Time (MST)	N/A	08:49	08:45 L.T.P
Date	N/A	10/05/17	10/05/17 P

182 - 8:15
269 - 8:30
502 - 9:00
482 - 9:15

*Direction wind is from

✱ 0.024" of precip. invalidated @ 11:45 hrs!

✱! No indication of evap. pan being filled?

Comments/Unusual Occurrences or Weather: Triggered precip gauge✱, filled evap pan✱!

Site Operator Signature:

East Plant

BAM PM_{10} WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 10/05/17 Time: 09:56 Operator: P. Madueme

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 09/28 Maintenance
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Inlet Flow check performed
	✓	2.	Visual inspection and dust removal
	✓	3.	Leak check performed
	✓	4.	PM_{10} particle trap cleaned
	✓	5.	Inlet nozzle and nozzle are cleaned

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Filter tape replaced
	✓	2.	Ran the Self-Test function

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences)
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences)

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences)
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences)

Comments/Unusual Occurrences: _____

Signature: _____

East Plant

BAM $PM_{2.5}$ WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 10/05/17 Time: 08:52 Operator: P. Maduena

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 09/28 Maintenance
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out; the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Inlet Flow check performed
	✓	2.	Visual inspection and dust removal
	✓	3.	Leak check performed
	✓	4.	PM_{10} particle trap cleaned
	✓	5.	Inlet nozzle and nozzle are cleaned

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Filter tape replaced
	✓	2.	Ran the Self-Test function

III. BAM SAMPLER – Routine Maintenance (semi-annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences)
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences)

IV. BAM SAMPLER – Routine Maintenance (annual). Check yes if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences)
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences)

Comments/Unusual Occurrences: _____

Signature: _____

East Plant

NO_X Level 2 Zero and Span Precision Check
Resolution Copper Mining

AIR SCIENCES INC.

Operator: P Maduena	Teledyne API T200 NOx Analyzer S/N	197	Verification Start Time	08:58
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	10:23
Date: 10/05/17			T200 Analyzer Range	500
	NIST-Traceable Gas Conc.	40%	Shelter Temperature (20 - 30°C)	20.24

Biweekly Manual Level 2 Zero and Span Precision Check

Target Dilution (ppb)	Actual Target Dilution Generated	NO Response	NO_2 Response	NO_X Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	0.2	0.4	0.5	0.0	Zero Drift ≤ ± 5 ppb	No
80 ppb	80	79.7	0.2	80.2	0.1	Span Drift ≤ ± 10 %	No

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)		Logger Response (ppb)		Acceptance Criteria	Adjustment Required?
Zero Air	NO	0.2	NO	0.41	± 2 ppb	No
	NO_2	0.4	NO_2	0.67		
	NO_x	0.5	NO_x	0.89		
80 ppb	NO	79.7	NO	80.06	± 2 ppb	No
	NO_2	0.2	NO_2	0.53		
	NO_x	80.2	NO_x	80.56		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	486	Moly Temp. (315 ± 5°C)	316.3	Span Gas Tank Pressure (psi)	1900
Ozone Flow (80 ± 15 cc/min)	79	HVPS (400 - 900 V)	674	Span Gas Regulator Flow (psi)	20
NO_X Slope (1 ± 0.3)	1.042	NO Slope (1 ± 0.3)	1.004	Zero Air Generator Pressure (psi)	30
NO_X Offset (-20 to 150)	3.6	NO Offset (-20 to 150)	0.0	*Dilution Calibrator Flow (lpm)	3.989

* Document actual value during span activities.

Operator Comments:

Dilution calibrater shows REGULATR PRES WARN

Operator Signature:

* NO_X & NO slopes differ from last site visit's Level 1?

66

East Plant

SO_2 Level 2 Zero and Span Precision Check

Resolution Copper Mining

AIR SCIENCES INC.

DENVER • PORTLAND • LOS ANGELES

Operator: P. Madueno	Teledyne API T100 SO_2 Analyzer S/N	193	Verification Start Time	10:25
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	10:55
Date: 10/05/17			T100 Analyzer Range	500
	NIST-Traceable Gas Conc.	40%	Shelter Temperature (20- 30°C)	19.74

Biweekly Manual Level 2 Zero and Span Precision Check

Target Dilution (ppb)	Actual Target Dilution Generated	SO_2 Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	0.010	0.140	Zero Drift ≤ ±5 ppb	No
80 ppb	80	80.030	0.115	Span Drift ≤ ±10 %	No

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.010	0.133	± 2 ppb	No
80 ppb	80.030	80.355	± 2 ppb	No

Analyzer Parameters

Sample Flow (550 ± 10%) *	625	Sample Press. (Ambient ± 2 in-Hg)	25.9	Span Gas Tank Pressure (psi)	1900
UV Lamp (1000 - 4800 mV)	4481.3	Lamp Ratio (30 - 120%)	118.4	Span Gas Regulator Pressure (psi)	20
Slope (1 ± 0.3) *'	0.879	BOX Temp. (Ambient ± 5°C)	30.6	Zero Air Generator Pressure (psi)	30
Offset (< 250 mV) *'	34.9	HVPS (400 - 900 V)	603	* Dilution Calibrator Flow (lpm)	3,980

* Document value during span activities.

Operator Comments:

Operator Signature:

* Sample Flow a little high!

*' Slope and Offset differ slightly from last site visit Dual 1?

EG

East Plant

O_3 Level 2 Zero and Span Precision Check
Resolution Copper Mining

AIR SCIENCES INC.

Operator: P. Maduena	Teledyne API T400 O_3 Analyzer S/N	724	Verification Start Time	10:58
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	11:23
Date: 10/05/17			T400 Analyzer Range	500
			Shelter Temperature (20 - 30°C)	19.76

Biweekly Manual Level 2 Zero and Span Precision Check

Target Dilution (ppb)	Actual Target Dilution Generated	O_3 Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	0.1	0.2	Zero Drift ≤ ±5 ppb	No
80 ppb	80	80.2	0.5	Span Drift ≤ ±7%	No

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.1	0.47	± 2 ppb	No
80 ppb	80.2	80.59	± 2 ppb	No

Analyzer Parameters

Sample Flow (800± 80 cc/min)	779	Sample Temp. (10 - 50°C)	36.4	Zero Air Generator (psi)	30
Photo Lamp (58 ± 1°C)	58.0	BOX Temp. (10 to 50°C)	26.1	*Dilution Calibrator Flow (lpm)	3.988
Slope (1 ± 0.15) *	1.072	O_3 Measure (2500 - 4800 mV)	3385.7		
Offset (0.0 ± 5 ppb)	3.7	O_3 Reference (2500 - 4800 mV)	3385.6		

* Document actual value during span activities.

Operator Comments:

* Slope differs slightly from last site visit Level 1's ? 5.6.

Operator Signature:

East Plant
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.
DENVER • FORT LAUDERDALE • LOS ANGELES

Date: 10/10/17 Time: 09:50 Operator: P. Maduena

YES	NO	
✓		1. The tower is intact and upright.
✓		2. The anemometer propeller and the wind direction vane are turning freely.
✓		3. All temperature shields are intact, and the probes are inside their shields.
✓		4. The aspirator fans are operating.
✓		5. The solar radiation sensor is level and has been cleaned.
✓		6. The solar panel is facing south and is clean.
✓		7. The precipitation gauge is clean and free of bugs and dust.
✓		8. The datalogger is reading the correct time and day.
✓		9. The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10. Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	7m/s	7.37	7.35 +
Direction* 10m (deg)	W	56.07	49.5 +
Ambient Temperature (°C)	17°	17.20	17.5 +
Relative Humidity (%)	12%	12.38	17.5 +
Aspirated Temperature 2m	17°	16.82	16.6 +
Aspirated Temperature 10m	16°	15.93	15.7 +
Delta Temperature (°C)	N/A	−0.94	−0.905 +
Solar Radiation (w/m²)	(Sunny) Partly cloudy Cloudy	555.791	535 +
Barometric Pressure (mmHg)	N/A	655.355	655 +
Battery Voltage (V)	N/A	12.81	12.8 +
Time (MST)	N/A	08:56	08:00 L.T.P
Date	N/A	10/10/17	10/10/17 +

*Direction wind is from

* 0.016" of precip. invalidated @ 09:15 hrs !
* Evap. pan refill caused instrument malfunction !

Comments/Unusual Occurrences or Weather: Triggered precip gauge*, filled evap pan*!

66

Site Operator Signature:

East Plant

BAM PM_{10} WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 10/10/17 Time: 09:02 Operator: P. Maduena

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 09/28 Maintenance
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Inlet Flow check performed
	✓	2.	Visual inspection and dust removal
	✓	3.	Leak check performed
	✓	4.	PM_{10} particle trap cleaned
	✓	5.	Inlet nozzle and nozzle are cleaned

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Filter tape replaced
	✓	2.	Ran the Self-Test function

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences)
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences)

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences)
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences)

Comments/Unusual Occurrences: _____

Signature: _____

East Plant

BAM $PM_{2.5}$ WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 10/10/17 Time: 08:58 Operator: P. Madruga

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 09/28 Maintenance
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out; the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Inlet Flow check performed
	✓	2.	Visual inspection and dust removal
	✓	3.	Leak check performed
	✓	4.	PM_{10} particle trap cleaned
	✓	5.	Inlet nozzle and nozzle are cleaned

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Filter tape replaced
	✓	2.	Ran the Self-Test function

III. BAM SAMPLER – Routine Maintenance (semi-annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences)
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences)

IV. BAM SAMPLER – Routine Maintenance (annual). Check yes if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences)
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences)

Comments/Unusual Occurrences: _____

Signature: _____

East Plant

NO_X Level 1 Zero and Span Check
Resolution Copper Mining

AIR SCIENCES INC.
DENVER • PORTLAND • LOS ANGELES

Operator: P. Maduena	Teledyne API T200 NO_X Analyzer S/N	1917	Calibration Start Time	09:04
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	10:25
Date: 10/10/17			T200 Analyzer Range	500
	NIST-Traceable Gas Conc.		Shelter Temperature (20 - 30°C)	21.99

Biweekly Manual Level 1 Zero and Span Check

Target Dilution (ppb)	Actual Target Dilution Generated	NO Response	NO_2 Response	NO_X Response	Analyzer Stability	Acceptance Criteria	Final NO_X/Zero Response
Zero Air	0	-0.4	0.6	0.3	0.1	Zero Drift ≤ ±5 ppb	0.0
80 ppb	80	81.3	-0.8	80.5	0.1	Span Drift ≤ ±10 %	?

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)		Logger Response (ppb)		Acceptance Criteria	Adjustment Required?
Zero Air	NO	0.2	NO	0.39	± 2 ppb	No
	NO_2	0.4	NO_2	0.51		
	NO_x	0.0	NO_x	0.42		
80 ppb	NO	79.8	NO	80.02	± 2 ppb	No
	NO_2	0.3	NO_2	0.62		
	NO_x	80.1	NO_x	80.54		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	488	Moly Temp. (315 ± 5°C)	315.2	Span Gas Tank Pressure (psi)	1900
Ozone Flow (80 ± 15 cc/min)	79	HVPS (400 - 900 V)	674	Span Gas Regulator Pressure (psi)	20
NO_X Slope (1 ± 0.3)	1.062	NO Slope (1 ± 0.3)	1.024	Zero Air Generator Pressure (psi)	30
NO_X Offset (-20 to 150)	4.1	NO Offset (-20 to 150)	0.6	*Dilution Calibrator Flow (lpm)	3.977

* Document actual value during span activities.

Operator Comments:

Operator Signature:

East Plant

SO_2 Level 1 Zero and Span Check
Resolution Copper Mining

AIR SCIENCES INC.
DENVER • PORTLAND • LOS ANGELES

Operator: P. Maduena	Teledyne API T100 SO_2 Analyzer S/N	193	Calibration Start Time	10:28
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	11:22
Date: 10/10/17			T100 Analyzer Range	500
	NIST-Traceable Gas Conc.		Shelter Temperature (20 - 30°C)	18.34

Biweekly Manual Level 1 Zero and Span Check

Target Dilution (ppb)	Actual Target Dilution Generated	SO_2 Response	Analyzer Stability	Acceptance Criteria	Final Response
Zero Air	0	0.005	0.018	Zero Drift ≤ ±5 ppb	0.011
80 ppb	80	80.186	0.082	Span Drift ≤ ±10 %	80.112

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.011	0.296	± 2 ppb	No
80 ppb	80.112	80.590	± 2 ppb	No

Analyzer Parameters

Sample Flow (550 ± 10%) *	626	Sample Press. (Ambient ± 2 in-Hg)	26.0	Span Gas Tank Pressure (psi)	1900
UV Lamp (1000 - 4800 mV)	4482.1	Lamp Ratio (30 - 120%)	118.4	Span Gas Regulator Pressure (psi)	20
Slope (1 ± 0.3) *'	0.879	BOX Temp. (Ambient ± 5°C)	30.7	Zero Air Generator Pressure (psi)	30
Offset (< 250 mV) *'	34.9	HVPS (400 - 900 V)	603	* Dilution Calibrator Flow (lpm)	3.990

* Document value during span activities.

Operator Comments:

Operator Signature:

* Sample Flow - a little high!

*' Slope and Offset same as on last site visit on 10/05/17 ?

East Plant

O_3 Level 1 Zero and Span Check
Resolution Copper Mining

AIR SCIENCES INC.
DENVER • PORTLAND • LOS ANGELES

Operator: P. Maduena	Teledyne API T400 O_3 Analyzer S/N	224	Calibration Start Time	11:24
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	11:50
Date: 10/10/17			T400 Analyzer Range	500
			Shelter Temperature (20 - 30°C)	19.37

Biweekly Manual Level 1 Zero and Span Check

Target Dilution (ppb)	Actual Target Dilution Generated	O_3 Response	Analyzer Stability	Acceptance Criteria	Final Response
Zero Air	0	0.5	0.4	Zero Drift ≤ ±5 ppb	0.2
80 ppb	80	80.4	0.3	Span Drift ≤ ±7%	80.1

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.2	1.07	± 2 ppb	No
80 ppb	80.1	80.59	± 2 ppb	No

Analyzer Parameters

Sample Flow (800± 80 cc/min) ☆	483	Sample Temp. (10 - 50°C)	36.7	Zero Air Generator (psi)	30
Photo Lamp (58 ± 1°C)	58.0	BOX Temp. (10 to 50°C)	25.9	*Dilution Calibrator Flow (lpm)	3.985
Slope (1 ± 0.15) ☆'	1.072	O_3 Measure (2500 - 4800 mV)	3382.2		
Offset (0.0 ± 5 ppb) ☆'	3.7	O_3 Reference (2500 - 4800 mV)	3382.0		

* Document actual value during span activities.

Operator Comments:

☆ Sample Flow - too low?

☆' Slope and Offset are same as last site visit on 10/05/17?

Operator Signature:

East Plant
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 10/26/17 ✓ Time: 08:50 ? ✱ Operator: P. Maducna ✓

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propeller and the wind direction vane are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
✓		7.	The precipitation gauge is clean and free of bugs and dust.
✓		8.	The datalogger is reading the correct time and day.
✓		9.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	1m/s	1.22	1.66 ✱
Direction* 10m (deg)	NE	244.358	243 ✱
Ambient Temperature (°C)	25°	25.32	24.8 ✱
Relative Humidity (%)	14%	14.39	14.8 ✱
Aspirated Temperature 2m	25°	23.47	23.2 ✱
Aspirated Temperature 10m	24°	23.07	22.6 ✱
Delta Temperature (°C)	N/A	-0.37	-0.523 ✱
Solar Radiation (w/m²)	Sunny / Partly cloudy / Cloudy	629.020	631 ✱
Barometric Pressure (mmHg)	N/A	653.314	653 ✱
Battery Voltage (V)	N/A	12.70	12.7 ✱
Time (MST)	N/A	08:56	10:00 L.T.✱
Date	N/A	10/26/17	10/26/17✱

✱ All data indicate the site visit happening @ 10:00, rather than 08:00!

*Direction wind is from

✱ 0.012" of precip. manually dated @ 10:00 hrs!

Comments/Unusual Occurrences or Weather: Triggered precip gauge ✱, filled evap pan ✓

Site Operator Signature:

East Plant

BAM PM_{10} WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 10/26/17 Time: 9:04 Operator: P. Maduena

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 10/25 Power fail
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	~	1.	Inlet Flow check performed
	~	2.	Visual inspection and dust removal
	~	3.	Leak check performed
	~	4.	PM_{10} particle trap cleaned
	~	5.	Inlet nozzle and nozzle are cleaned

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	~	1.	Filter tape replaced
	~	2.	Ran the Self-Test function

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	~	1.	Replaced muffler on the pump (*Work performed by Air Sciences)
	~	2.	Complete calibration of flow system (*Work performed by Air Sciences)

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	~	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences)
	~	2.	Inlet system cleaned (*Work performed by Air Sciences)

Comments/Unusual Occurrences: _____

Signature: _____

East Plant

BAM $PM_{2.5}$ WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 10/26/17 Time: 9:00 Operator: P. Maduena

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 10/25 Power fail
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out; the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	✓	1.	Inlet Flow check performed
	✓	2.	Visual inspection and dust removal
	✓	3.	Leak check performed
	✓	4.	PM_{10} particle trap cleaned
	✓	5.	Inlet nozzle and nozzle are cleaned

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	✓	1.	Filter tape replaced
	✓	2.	Ran the Self-Test function

III. BAM SAMPLER – Routine Maintenance (semi-annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences)
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences)

IV. BAM SAMPLER – Routine Maintenance (annual). Check yes if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences)
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences)

Comments/Unusual Occurrences: _____

Signature: _____

East Plant

BAM PM_{10} WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC

Date: 10-31-17 Time: 1500 Operator: R. ARMITAGE

I. BAM SAMPLER – Weekly Checks.

YES	NO		
X		1.	The sampler is intact and the inlet head is unobstructed.
X		2.	The vacuum pump is running and sounds normal.
X		3.	The temperature shield is intact, and the sensor is inside of it.
X		4.	The BAM is reading the correct time and day.
X		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
X		6.	Error log was checked (F3), and errors followed up on (see manual).
X		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
X		1.	Inlet Flow check performed
X		2.	Visual inspection and dust removal
X		3.	Leak check performed
X		4.	PM_{10} particle trap cleaned
X		5.	Inlet nozzle and nozzle are cleaned

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	X	1.	Filter tape replaced
X		2.	Ran the Self-Test function

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	X	1.	Replaced muffler on the pump (*Work performed by Air Sciences)
X		2.	Complete calibration of flow system (*Work performed by Air Sciences)

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	X	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences)
X		2.	Inlet system cleaned (*Work performed by Air Sciences)

Comments/Unusual Occurrences: _____

Signature: _____

East Plant

BAM $PM_{2.5}$ WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC

Date: 10-31-17 Time: 1500 Operator: R. ATTRIDGE

I. BAM SAMPLER – Weekly Checks.

YES	NO		
X		1.	The sampler is intact and the inlet head is unobstructed.
X		2.	The vacuum pump is running and sounds normal.
X		3.	The temperature shield is intact, and the sensor is inside of it.
X		4.	The BAM is reading the correct time and day.
X		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
X		6.	Error log was checked (F3), and errors followed up on (see manual).
X		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out; the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
X		1.	Inlet Flow check performed
X		2.	Visual inspection and dust removal
X		3.	Leak check performed
X		4.	PM_{10} particle trap cleaned
X		5.	Inlet nozzle and nozzle are cleaned

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	X	1.	Filter tape replaced
X		2.	Ran the Self-Test function

III. BAM SAMPLER – Routine Maintenance (semi-annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	X	1.	Replaced muffler on the pump (*Work performed by Air Sciences)
X		2.	Complete calibration of flow system (*Work performed by Air Sciences)

IV. BAM SAMPLER – Routine Maintenance (annual). Check yes if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	X	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences)
X		2.	Inlet system cleaned (*Work performed by Air Sciences)

GG

Comments/Unusual Occurrences: _____

Signature: _____

East Plant
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 11/7/17 Time: 08:30 Operator: P. Maduena

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propeller and the wind direction vane are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
✓		7.	The precipitation gauge is clean and free of bugs and dust.
✓		8.	The datalogger is reading the correct time and day.
✓		9.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	lm/s	1.12	0.86 †
Direction* 10m (deg)	W	66.35	175 ✱
Ambient Temperature (°C)	16°	16.46	15.5 †
Relative Humidity (%)	45%	45.28	48.3 †
Aspirated Temperature 2m	16°	16.20	15.3 †
Aspirated Temperature 10m	15°	15.79	15.5 †
Delta Temperature (°C)	N/A	−0.41	0.145 †
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	164.821	98.4 †
Barometric Pressure (mmHg)	N/A	656.186	656 †
Battery Voltage (V)	N/A	12.54	12.4 †
Time (MST)	N/A	08:36	08:30 L.T. †
Date	N/A	11/7/17	11/07/17 †

105 - 8:00
137 - 8:15
160 - 8:45
60.5 - 9:00

*Direction wind is from ✱ 0.016" of precip. indicated @ 09:00 hrs!

Comments/Unusual Occurrences or Weather: Triggered precip gauge,* filled evap pan ✓ 66

Site Operator Signature:

East Plant

BAM PM_{10} WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 11/7/17 Time: 08:45 Operator: P. Maducmo

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 10/31 Maintenance -
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

66 -

YES	NO		
	✓	1.	Inlet Flow check performed
	✓	2.	Visual inspection and dust removal
	✓	3.	Leak check performed
	✓	4.	PM_{10} particle trap cleaned
	✓	5.	Inlet nozzle and nozzle are cleaned

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

66 -

YES	NO		
	✓	1.	Filter tape replaced
	✓	2.	Ran the Self-Test function

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66 -

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences)
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences)

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66 -

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences)
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences)

Comments/Unusual Occurrences: _____

Signature: _____

East Plant

BAM $PM_{2.5}$ WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 11/7/17 Time: 08:40 Operator: P. Maducmo

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 10/31 Maintenance,
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out; the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

66 -

YES	NO		
	✓	1.	Inlet Flow check performed
	✓	2.	Visual inspection and dust removal
	✓	3.	Leak check performed
	✓	4.	PM_{10} particle trap cleaned
	✓	5.	Inlet nozzle and nozzle are cleaned

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

66 -

YES	NO		
	✓	1.	Filter tape replaced
	✓	2.	Ran the Self-Test function

III. BAM SAMPLER – Routine Maintenance (semi-annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66 -

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences)
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences)

IV. BAM SAMPLER – Routine Maintenance (annual). Check yes if maintenance was performed during this visit. *See BAM manual.*

66 -

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences)
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences)

Comments/Unusual Occurrences: _____

Signature: _____

East Plant

NO_X Level 1 Zero and Span Check

Resolution Copper Mining

AIR SCIENCES INC.

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Operator: P. Madueno	Teledyne API T200 NO_X Analyzer S/N	197	Calibration Start Time	09:50
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	816	Calibration Stop Time	1:09
Date: 11/7/17			T200 Analyzer Range	500
	NIST-Traceable Gas Conc.	40%	Shelter Temperature (20 - 30°C)	22.42

Biweekly Manual Level 1 Zero and Span Check

Target Dilution (ppb)	Actual Target Dilution Generated	NO Response	NO_2 Response	NO_X Response	Analyzer Stability	Acceptance Criteria	Final NO_X / Zero Response
Zero Air	0	-1.0	0.7	-0.2	0.1	Zero Drift ≤ ±5 ppb	0.1
80 ppb	80	80.9	0.5	81.4	0.3	Span Drift ≤ ±10 %	80.1

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)		Logger Response (ppb)		Acceptance Criteria	Adjustment Required?
Zero Air	NO	-0.1	NO	0.41	± 2 ppb	No
	NO_2	0.2	NO_2	0.56		
	NO_x	0.1	NO_x	0.39		
80 ppb	NO	78.6	NO	79.33	± 2 ppb	No
	NO_2	-0.4	NO_2	-0.01		
	NO_x	80.1	NO_x	80.42		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	490	Moly Temp. (315 ± 5°C)	315.2	Span Gas Tank Pressure (psi)	1900
Ozone Flow (80 ± 15 cc/min)	81	HVPS (400 - 900 V)	674	Span Gas Regulator Pressure (psi)	18
NO_X Slope (1 ± 0.3)	0.711	NO Slope (1 ± 0.3)	0.1652	Zero Air Generator Pressure (psi)	30
NO_X Offset (-20 to 150)	7.2	NO Offset (-20 to 150)	0.1	*Dilution Calibrator Flow (lpm)	4.009

* Document actual value during span activities.

Operator Comments:

PRESS WARN while generating 80 ppb. Started generating 20 ppb and working up to 80 ppb.

Operator Signature:

66

East Plant

SO_2 Level 1 Zero and Span Check
Resolution Copper Mining

AIR SCIENCES INC.
DENVER • PORTLAND • LOS ANGELES

Operator: P. Maduena	Teledyne API T100 SO_2 Analyzer S/N	193	Calibration Start Time	1:11
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	816	Calibration Stop Time	2:13
Date: 11/7/17			T100 Analyzer Range	500
	NIST-Traceable Gas Conc.	40%	Shelter Temperature (20 - 30°C)	21.36

Biweekly Manual Level 1 Zero and Span Check

Target Dilution (ppb)	Actual Target Dilution Generated	SO_2 Response	Analyzer Stability	Acceptance Criteria	Final Response
Zero Air	0	1.057	0.017	Zero Drift ≤ ±5 ppb	0.030
80 ppb	80	80.853	0.272	Span Drift ≤ ±10 %	80.282

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.030	0.460	± 2 ppb	No
80 ppb	80.282	80.882	± 2 ppb	No

Analyzer Parameters

Sample Flow (550 ± 10%) *	623	Sample Press. (Ambient ± 2 in-Hg)	26.1	Span Gas Tank Pressure (psi)	1900
UV Lamp (1000 - 4800 mV)	4401.3	Lamp Ratio (30 - 120%)	116.5	Span Gas Regulator Pressure (psi)	18
Slope (1 ± 0.3)	0.883	BOX Temp. (Ambient ± 5°C)	31.5	Zero Air Generator Pressure (psi)	30
Offset (< 250 mV)	35.9	HVPS (400 - 900 V)	603	* Dilution Calibrator Flow (lpm)	4.001

* Document value during span activities.

Operator Comments:

* Sample Flow - high!

Operator Signature:

E.G.

East Plant

O_3 Level 1 Zero and Span Check

Resolution Copper Mining

AIR SCIENCES INC.
DENVER • PORTLAND • LOS ANGELES

Operator: P. Maduena	Teledyne API T400 O_3 Analyzer S/N	224	Calibration Start Time	2:16
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	810	Calibration Stop Time	3:03
Date: 11/7/17			T400 Analyzer Range	500
			Shelter Temperature (20 - 30°C)	23.26

Biweekly Manual Level 1 Zero and Span Check

Target Dilution (ppb)	Actual Target Dilution Generated	O_3 Response	Analyzer Stability	Acceptance Criteria	Final Response
Zero Air	0	-0.1	0.4	Zero Drift ≤ ±5 ppb	0.1
80 ppb	80	80.2	0.5	Span Drift ≤ ±7%	80.4

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.1	0.27	± 2 ppb	No
80 ppb	80.4	80.89	± 2 ppb	No

Analyzer Parameters

Sample Flow (800± 80 cc/min)	773	Sample Temp. (10 - 50°C)	37.9	Zero Air Generator (psi)	30
Photo Lamp (58 ± 1°C)	58.0	BOX Temp. (10 to 50°C)	24.9	*Dilution Calibrator Flow (lpm)	3.985
Slope (1 ± 0.15)	1.042	O_3 Measure (2500 - 4800 mV)	3359.6		
Offset (0.0 ± 5 ppb)	3.1	O_3 Reference (2500 - 4800 mV)	3359.5		

* Document actual value during span activities.

Operator Comments:

Operator Signature:

East : Plant
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.
DENVER/PORTLAND/LOS ANGELES

Date: 11/17/17 ✓ Time: 10:45 ✓ Operator: P. Madueno ✓

YES	NO	
✓		1. The tower is intact and upright.
✓		2. The anemometer propeller and the wind direction vane are turning freely.
✓		3. All temperature shields are intact, and the probes are inside their shields.
✓		4. The aspirator fans are operating.
✓		5. The solar radiation sensor is level and has been cleaned.
✓		6. The solar panel is facing south and is clean.
✓		7. The precipitation gauge is clean and free of bugs and dust.
✓		8. The datalogger is reading the correct time and day.
✓		9. The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10. Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit	
Speed 10m (m/s)	3m/s	3.27	3.04 ✓	213 - 10:15
Direction* 10m (deg)	E	248.950	221 ✓	217 - 10:30
Ambient Temperature (°C)	20°	20.16	20.7 ✓	212 - 11:00
Relative Humidity (%)	21°	21.89	16.6 ✓	225 - 11:15
Aspirated Temperature 2m	20°	19.63	20.2 ✓	
Aspirated Temperature 10m	19°	19.25	19.3 ✓	428 - 10:15
Delta Temperature (°C)	N/A	-0.29	-0.532 ✓	506 - 10:30
Solar Radiation (w/m²)	Sunny Partly cloudy (Cloudy)	291.820	468 ✓	480 - 11:00
Barometric Pressure (mmHg)	N/A	653.553	654 ✓	519 - 11:15
Battery Voltage (V)	N/A	12.73	12.8 ✓	
Time (MST)	N/A	10:52	10:45 LT ✓	
Date	N/A	11/17/17	11/17/17 ✓	

*Direction wind is from

✓ 0.028" of precip. recorded @ 14:00 hrs!
✓ no indication of evap. pan being filled? CC.

Comments/Unusual Occurrences or Weather: Triggered precip gauge ✓, filled evap ✓ pan.

Site Operator Signature: [signature]

East Plant

BAM PM_{10} WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 11/17/17 Time: 11:00 Operator: P. Maduena

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 11/16 Power Fail.
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Inlet Flow check performed
	✓	2.	Visual inspection and dust removal
	✓	3.	Leak check performed
✓		4.	PM_{10} particle trap cleaned
✓		5.	Inlet nozzle and nozzle are cleaned

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
✓		1.	Filter tape replaced
✓		2.	Ran the Self-Test function

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66.

YES	NO		
	~	1.	Replaced muffler on the pump (*Work performed by Air Sciences)
	~	2.	Complete calibration of flow system (*Work performed by Air Sciences)

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66.

YES	NO		
	~	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences)
	~	2.	Inlet system cleaned (*Work performed by Air Sciences)

Comments/Unusual Occurrences: Tape replaced, self test passed!

66.

Signature:

East Plant

BAM $PM_{2.5}$ WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 11/17/14 Time: 10:56 Operator: P. Maducno

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 11/16 Power fail
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out; the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Inlet Flow check performed
	✓	2.	Visual inspection and dust removal
	✓	3.	Leak check performed
✓		4.	PM_{10} particle trap cleaned
✓		5.	Inlet nozzle and nozzle are cleaned

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
✓		1.	Filter tape replaced
✓		2.	Ran the Self-Test function

III. BAM SAMPLER – Routine Maintenance (semi-annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences)
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences)

IV. BAM SAMPLER – Routine Maintenance (annual). Check yes if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences)
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences)

Comments/Unusual Occurrences: Replaced filter tape, self test passed.

Signature: [signature]

East Plant

NO_X Level 2 Zero and Span Precision Check

Resolution Copper Mining

AIR SCIENCES INC.

DENVER • PORTLAND • LOS ANGELES

Operator: P. Maduena	Teledyne API T200 NO_X Analyzer S/N	197	Verification Start Time	11:05	
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	816	Verification Stop Time	12:25	
Date: 11/17/17			T200 Analyzer Range	500	
	NIST-Traceable Gas Conc.	40%	Shelter Temperature (20 - 30°C)	22.67	

Biweekly Manual Level 2 Zero and Span Precision Check

Target Dilution (ppb)	Actual Target Dilution Generated	NO Response	NO_2 Response	NO_X Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	0.1	0.2	0.3	0.1	Zero Drift ≤ ±5 ppb	No
80 ppb	80	79.8	0.2	80.0	0.2	Span Drift ≤ ±10 %	No

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)		Logger Response (ppb)		Acceptance Criteria	Adjustment Required?
Zero Air	NO	0.1	NO	0.31	± 2 ppb	No
	NO_2	0.2	NO_2	0.54		
	NO_x	0.3	NO_x	0.63		
80 ppb	NO	79.8	NO	80.12	± 2 ppb	No
	NO_2	0.2	NO_2	0.43		
	NO_x	80.0	NO_x	80.32		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	497	Moly Temp. (315 ± 5°C)	315.0	Span Gas Tank Pressure (psi)	1900
Ozone Flow (80 ± 15 cc/min)	81	HVPS (400 - 900 V)	674	Span Gas Regulator Flow (psi)	18
NO_X Slope (1 ± 0.3) *	0.671	NO Slope (1 ± 0.3) *	0.6663	Zero Air Generator Pressure (psi)	30
NO_X Offset (-20 to 150)	7.2	NO Offset (-20 to 150)	0.1	*Dilution Calibrator Flow (lpm)	4.009

* Document actual value during span activities.

Operator Comments:

Operator Signature:

* NO_X slope and NO slope - are different from last week's Level 1 Zero & Span!

66

East Plant

SO_2 Level 2 Zero and Span Precision Check
Resolution Copper Mining

AIR SCIENCES INC.
DENVER • PORTLAND • LOS ANGELES

Operator: P. Maducus	Teledyne API T100 SO_2 Analyzer S/N	193	Verification Start Time	12:30
Date: 11/17/17	Teledyne API T700 Primary Standard Dilution Calibrator S/N	816	Verification Stop Time	1:10
			T100 Analyzer Range	500
	NIST-Traceable Gas Conc.	40%	Shelter Temperature (20-30°C)	20.17

Biweekly Manual Level 2 Zero and Span Precision Check

Target Dilution (ppb)	Actual Target Dilution Generated	SO_2 Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	0.023	0.162	Zero Drift ≤ ±5 ppb	No
80 ppb	80	79.983	0.232	Span Drift ≤ ±10 %	No

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.023	0.312	± 2 ppb	No
80 ppb	79.983	80.556	± 2 ppb	No

Analyzer Parameters

Sample Flow (550 ± 10%)	622	Sample Press. (Ambient ± 2 in-Hg)	26.1	Span Gas Tank Pressure (psi)	1900
UV Lamp (1000 - 4800 mV)	4392.1	Lamp Ratio (30 - 120%)	116.2	Span Gas Regulator Pressure (psi)	18
Slope (1 ± 0.3)	0.872	BOX Temp. (Ambient ± 5°C)	31.6	Zero Air Generator Pressure (psi)	30
Offset (< 250 mV)	35.6	HVPS (400 - 900 V)	603	* Dilution Calibrator Flow (lpm)	4.003

* Document value during span activities.

Operator Comments:

Operator Signature:

* Sample Flow - high!

* Slope & Offset differs from last week's Level 1's Zero & span!

6.6.

East Plant

O_3 Level 2 Zero and Span Precision Check

Resolution Copper Mining

AIR SCIENCES INC.

DENVER • PORTLAND • LOS ANGELES

Operator: P. Maduena	Teledyne API T400 O_3 Analyzer S/N	224	Verification Start Time	1:13
Date: 11/17/17	Teledyne API T700 Primary Standard Dilution Calibrator S/N	816	Verification Stop Time	1:40
			T400 Analyzer Range	500
			Shelter Temperature (20 - 30°C)	22.62

Biweekly Manual Level 2 Zero and Span Precision Check

Target Dilution (ppb)	Actual Target Dilution Generated	O_3 Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	0.2	0.1	Zero Drift ≤ ±5 ppb	No
80 ppb	80	80.3	0.1	Span Drift ≤ ±7%	No

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.2	0.49	± 2 ppb	No
80 ppb	80.3	80.07	± 2 ppb	No

Analyzer Parameters

Sample Flow (800± 80 cc/min)	770	Sample Temp. (10 - 50°C)	37.6	Zero Air Generator (psi)	30
Photo Lamp (58 ± 1°C)	58.0	BOX Temp. (10 to 50°C)	27.3	*Dilution Calibrator Flow (lpm)	3.994
Slope (1 ± 0.15)	1.030	O_3 Measure (2500 - 4800 mV)	3353.6		
Offset (0.0 ± 5 ppb)	3.6	O_3 Reference (2500 - 4800 mV)	3335.6		

* Document actual value during span activities.

Operator Comments:

Operator Signature:

Δ Slope & offset differs from last week's Level 1's zero & span!

66-

East Plant
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 11/21/17 Time: 08:20 Operator: P. Maducno

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propeller and the wind direction vane are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
✓		7.	The precipitation gauge is clean and free of bugs and dust.
✓		8.	The datalogger is reading the correct time and day.
✓		9.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	4m/s	4.30	4.37 ✓
Direction* 10m (deg)	W	100.562	99.5 ✓
Ambient Temperature (°C)	16°	16.28	15.4 ✓
Relative Humidity (%)	10%	10.58	12.1 ✓
Aspirated Temperature 2m	16°	15.81	15.0 ✓
Aspirated Temperature 10m	15°	15.61	14.8 ✓
Delta Temperature (°C)	N/A	−0.23	−0.185 ✓
Solar Radiation (w/m²)	(Sunny) Partly cloudy Cloudy	287.198	231 ✓
Barometric Pressure (mmHg)	N/A	655.802	656 ✓
Battery Voltage (V)	N/A	12.83	12.8 ✓
Time (MST)	N/A	08:30	08:30 L.T.
Date	N/A	11/21/17	11/21/17 ✓

*Direction wind is from

* 0.02" of precip. manually dated @ 08:45 hrs!

Comments/Unusual Occurrences or Weather: Triggered precip gauge*, filled evap

Site Operator Signature:

East Plant

BAM PM_{10} WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 11/22/17 Time: 08:38 Operator: [signature]

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 11/17 Maintenance
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES NO 66

	–	1.	Inlet Flow check performed
	–	2.	Visual inspection and dust removal
	✓	3.	Leak check performed
	–	4.	PM_{10} particle trap cleaned
	–	5.	Inlet nozzle and nozzle are cleaned

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES NO 66

	–	1.	Filter tape replaced
	–	2.	Ran the Self-Test function

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES NO 66

	–	1.	Replaced muffler on the pump (*Work performed by Air Sciences)
	–	2.	Complete calibration of flow system (*Work performed by Air Sciences)

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES NO 66

	–	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences)
	–	2.	Inlet system cleaned (*Work performed by Air Sciences)

Comments/Unusual Occurrences: _____

Signature: [signature]

East Plant

BAM $PM_{2.5}$ WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 11/21/17 Time: 08:33 Operator: P. Madueno

I. **BAM SAMPLER** – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 11/17 Maintenance
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out; the shelter should feel cool.)

II. **BAM SAMPLER** – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Inlet Flow check performed
	✓	2.	Visual inspection and dust removal
	✓	3.	Leak check performed
	✓	4.	PM_{10} particle trap cleaned
	✓	5.	Inlet nozzle and nozzle are cleaned

II. **BAM SAMPLER** – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Filter tape replaced
	✓	2.	Ran the Self-Test function

III. **BAM SAMPLER** – Routine Maintenance (semi-annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences)
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences)

IV. **BAM SAMPLER** – Routine Maintenance (annual). Check yes if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences)
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences)

Comments/Unusual Occurrences: _____

Signature: _____

East Plant

NO_X Level 1 Zero and Span Check
Resolution Copper Mining

AIR SCIENCES INC.
DENVER · PORTLAND · LOS ANGELES

Operator: P. Maduena	Teledyne API T200 NO_X Analyzer S/N	197	Calibration Start Time	08:45
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	816	Calibration Stop Time	11:03
Date: 11/21/17			T200 Analyzer Range	500
	NIST-Traceable Gas Conc.	40%	Shelter Temperature (20 - 30°C)	21.22

Biweekly Manual Level 1 Zero and Span Check

Target Dilution (ppb)	Actual Target Dilution Generated	NO Response	NO_2 Response	NO_X Response	Analyzer Stability	Acceptance Criteria	Final NO_X/Zero Response
Zero Air	0	-0.0	0.5	0.5	0.1	Zero Drift ≤ ±5 ppb	0.0
80 ppb	80	77.9	-1.2	76.7	0.2	Span Drift ≤ ±10 %	80.4

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)		Logger Response (ppb)		Acceptance Criteria	Adjustment Required?
Zero Air	NO	0.1	NO	0.58	± 2 ppb	No
	NO_2	-0.1	NO_2	0.23		
	NO_x	0.0	NO_x	0.36		
80 ppb	NO	80.3	NO	80.66	± 2 ppb	No
	NO_2	0.1	NO_2	0.36		
	NO_x	80.4	NO_x	80.83		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	490	Moly Temp. (315 ± 5°C)	317.2	Span Gas Tank Pressure (psi)	1900
Ozone Flow (80 ± 15 cc/min)	80	HVPS (400 - 900 V)	674	Span Gas Regulator Pressure (psi)	18
NO_X Slope (1 ± 0.3)	0.674	NO Slope (1 ± 0.3)	0.665	Zero Air Generator Pressure (psi)	30
NO_X Offset (-20 to 150)	0.36	NO Offset (-20 to 150)	0.1	*Dilution Calibrator Flow (lpm)	3.998

* Document actual value during span activities.

Operator Comments:

Operator Signature:

East Plant

SO_2 Level 1 Zero and Span Check
Resolution Copper Mining

AIR SCIENCES INC.
BOISE · PORTLAND · LOS ANGELES

Operator: P. Maduena	Teledyne API T100 SO_2 Analyzer S/N	193	Calibration Start Time	11:05
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	816	Calibration Stop Time	12:40
Date: 11/21/17			T100 Analyzer Range	500
	NIST-Traceable Gas Conc.	40%	Shelter Temperature (20 - 30°C)	21.30

Biweekly Manual Level 1 Zero and Span Check

Target Dilution (ppb)	Actual Target Dilution Generated	SO_2 Response	Analyzer Stability	Acceptance Criteria	Final Response
Zero Air	0	0.233	0.089	Zero Drift ≤ ±5 ppb	0.008
80 ppb	80	~~79.904~~!	0.236	Span Drift ≤ ±10 %	80.244

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.008	0.331	± 2 ppb	No
80 ppb	80.244	80.676	± 2 ppb	No

Analyzer Parameters

Sample Flow (550 ± 10%) *	624	Sample Press. (Ambient ± 2 in-Hg)	26.2	Span Gas Tank Pressure (psi)	1900
UV Lamp (1000 - 4800 mV)	4408.6	Lamp Ratio (30 - 120%)	116.7	Span Gas Regulator Pressure (psi)	18
Slope (1 ± 0.3)	0.874	BOX Temp. (Ambient ± 5°C)	30.1	Zero Air Generator Pressure (psi)	30
Offset (< 250 mV)	36.2	HVPS (400 - 900 V)	603	* Dilution Calibrator Flow (lpm)	4.001

* Document value during span activities.

Operator Comments:
PRES WARN
Generated 20 ppb to start
& Worked way up to 80 ppb

* Sample Flow - a little high!

Operator Signature:

East Plant

O_3 Level 1 Zero and Span Check
Resolution Copper Mining

AIR SCIENCES INC.
DENVER • PORTLAND • LOS ANGELES

Operator: P. Maduino	Teledyne API T400 O_3 Analyzer S/N	274	Calibration Start Time	12:45
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	816	Calibration Stop Time	1:26
Date: 11/21/17			T400 Analyzer Range	500
			Shelter Temperature (20 - 30°C)	23.45

Biweekly Manual Level 1 Zero and Span Check

Target Dilution (ppb)	Actual Target Dilution Generated	O_3 Response	Analyzer Stability	Acceptance Criteria	Final Response
Zero Air	0	-0.1	0.5	Zero Drift ≤ ±5 ppb	0.4
80 ppb	80	80.0	0.5	Span Drift ≤ ±7%	80.5

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.4	0.95	± 2 ppb	No
80 ppb	80.4	80.95	± 2 ppb	No

Analyzer Parameters

Sample Flow (800± 80 cc/min)	778	Sample Temp. (10 - 50°C)	37.9	Zero Air Generator (psi)	30
Photo Lamp (58 ± 1°C)	58.0	BOX Temp. (10 to 50°C)	27.4	*Dilution Calibrator Flow (lpm)	4.005
Slope (1 ± 0.15) *	1.030	O_3 Measure (2500 - 4800 mV)	3350.9		
Offset (0.0 ± 5 ppb) *	3.6	O_3 Reference (2500 - 4800 mV)	3350.8		

* Document actual value during span activities.

Operator Comments:

Operator Signature:

* Slope & Offset are exactly the same as last week, following Level 2?

-E.G.

East Plant
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 11/30/17 Time: 08:20 Operator: P. Maduena

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propeller and the wind direction vane are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
✓		7.	The precipitation gauge is clean and free of bugs and dust.
✓		8.	The datalogger is reading the correct time and day.
✓		9.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	2m/s	1.94	3.92 ✓
Direction* 10m (deg)	W	54.88	83.7 ✓
Ambient Temperature (°C)	15°	15.21	15.1 ✓
Relative Humidity (%)	23%	23.79	23.8 ✓
Aspirated Temperature 2m	15°	15.07	15.0 ✓
Aspirated Temperature 10m	14°	15.04	15.0 ✓
Delta Temperature (°C)	N/A	-0.21	-0.07 ✓
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	41.05	41 ✓
Barometric Pressure (mmHg)	N/A	874.782	656 ✓
Battery Voltage (V)	N/A	11.79	11.5 ✓
Time (MST)	N/A	08:25	08:30 C.T. ✓
Date	N/A	11/30/17	11/30/17 ✓

*Direction wind is from

0.008" of precip. indicated @ 08:30 hrs!

Comments/Unusual Occurrences or Weather: Triggered precip gauge; filled evap pan. ✓ 66.

Site Operator Signature:

East Plant

BAM PM_{10} WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 11/30/17 Time: 08:31 Operator: P. Madueno

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 11/17 Maintenance
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
✓		1.	Inlet Flow check performed
✓		2.	Visual inspection and dust removal
✓		3.	Leak check performed
✓		4.	PM_{10} particle trap cleaned
✓		5.	Inlet nozzle and nozzle are cleaned

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Filter tape replaced
✓		2.	Ran the Self-Test function

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences)
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences)

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences)
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences)

Comments/Unusual Occurrences: Monthly Flow Verifications

Signature:

AIR SCIENCE

Monthly Flow Verification PM_{10}

East Plant

PARTICULATE MONITORING PROJECT

Met One BAM 1020 PM_{10}: S/N:
Firmware:
Calibrator: Delta Cal S/N: 1034

Date of Flow Audit: 11/30/17
Time of Flow Audit: 12:20

	BAM	STD
Ambient Temperature (AT) °C	19.9	20.0
Barometric Pressure (BP) mmHg	656	656.6

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
(1) Actual Flow	15	15.0	0	14.95	0.3
Acceptable Differential		*14.700 - 15.300*	*+/- 2%*	*14.250 - 15.750*	*+/- 5%*
(2) Actual Flow	18.4	18.4	0	18.36	0.2
Acceptable Differential		*18.032 - 18.768*	*+/- 2%*	*17.480 - 19.320*	*+/- 5%*
(3) Actual Flow	16.7	16.7	0	16.66	0.2
Acceptable Differential		*16.336 - 17.034*	*+/- 2%*	*15.865 - 17.535*	*+/- 5%*

Calculations:
(1) % Diff = [(BAM - Set Point)/Set Point]*100 (+/- 2%)
(2) % Diff = [(BAM - Calibrator)/Calibrator]*100 (+/- 5%)

	BAM	
(2) Leak Test	0.4	**Should be < 1.0 LPM**

66

Comments/Abnormalities:

East Plant

BAM $PM_{2.5}$ WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 11/30/17 Time: 08:28 Operator: P. Madueno

I. **BAM SAMPLER** – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 11/29 BAM CAL Membrane 5°/o
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out; the shelter should feel cool.)

II. **BAM SAMPLER** – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
✓		1.	Inlet Flow check performed
✓		2.	Visual inspection and dust removal
✓		3.	Leak check performed
✓		4.	PM_{10} particle trap cleaned
✓		5.	Inlet nozzle and nozzle are cleaned

II. **BAM SAMPLER** – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Filter tape replaced
✓		2.	Ran the Self-Test function

III. **BAM SAMPLER** – Routine Maintenance (semi-annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	~	1.	Replaced muffler on the pump (*Work performed by Air Sciences)
	~	2.	Complete calibration of flow system (*Work performed by Air Sciences)

IV. **BAM SAMPLER** – Routine Maintenance (annual). Check yes if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	~	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences)
	~	2.	Inlet system cleaned (*Work performed by Air Sciences)

Comments/Unusual Occurrences: Monthly Flow Verifications ✓ 66

Signature: [signature]

AIR SCIENCES

Monthly Flow Verification $PM_{2.5}$

East Plant

PARTICULATE MONITORING PROJECT

Met One BAM 1020 $PM_{2.5}$: S/N:
Firmware:
Calibrator: Delta Cal S/N: 1034

Date of Flow Audit: 11/30/17
Time of Flow Audit: 11:55

	BAM	STD
Ambient Temperature (AT) °C	19.7	19.8
Barometric Pressure (BP) mmHg	657	656.6

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
(1) Actual Flow	15	15.0	0	15.03	0.2
Acceptable Differential		*14.700 - 15.300*	*+/- 2%*	*14.250 - 15.750*	*+/- 5%*
(2) Actual Flow	18.4	18.4	0	18.37	0.2
Acceptable Differential		*18.032 - 18.768*	*+/- 2%*	*17.480 - 19.320*	*+/- 5%*
(3) Actual Flow	16.7	16.7	0	16.65	0.3
Acceptable Differential		*16.336 - 17.034*	*+/- 2%*	*15.865 - 17.535*	*+/- 5%*

Calculations:
(1) % Diff = [(BAM - Set Point)/Set Point]*100 (+/- 2%)
(2) % Diff = [(BAM - Calibrator)/Calibrator]*100 (+/- 5%)

	BAM	
(2) Leak Test	0.5	**Should be < 1.0 LPM**

0.6

Comments/Abnormalities:

East Plant

NO_X Level 2 Zero and Span Precision Check
Resolution Copper Mining

AIR SCIENCES INC.
DENVER • PORTLAND • LOS ANGELES

Operator: P. Madueno	Teledyne API T200 NOx Analyzer S/N	197	Verification Start Time	08:35
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	816	Verification Stop Time	10:33
Date: 11/30/17			T200 Analyzer Range	500
	NIST-Traceable Gas Conc.	40%	Shelter Temperature (20 - 30°C)	22.14

Biweekly Manual Level 2 Zero and Span Precision Check

Target Dilution (ppb)	Actual Target Dilution Generated	NO Response	NO_2 Response	NO_X Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	-0.2	0.5	0.3	0.1	Zero Drift ≤ ±5 ppb	No
80 ppb	80	80.3	0.3	80.4	0.4	Span Drift ≤ ±10 %	No

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)		Logger Response (ppb)		Acceptance Criteria	Adjustment Required?
Zero Air	NO	-0.2	NO	0.14	± 2 ppb	No
	NO_2	0.5	NO_2	0.196		
	NO_x	0.3	NO_x	0.167		
80 ppb	NO	80.3	NO	80.39	± 2 ppb	No
	NO_2	0.3	NO_2	0.77		
	NO_x	80.4	NO_x	80.86		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	491	Moly Temp. (315 ± 5°C)	313.9	Span Gas Tank Pressure (psi)	1900
Ozone Flow (80 ± 15 cc/min)	80	HVPS (400 - 900 V)	674	Span Gas Regulator Flow (psi)	18
NO_X Slope (1 ± 0.3) *	0.692	NO Slope (1 ± 0.3) *	0.688	Zero Air Generator Pressure (psi)	30
NO_X Offset (-20 to 150) *	2.3	NO Offset (-20 to 150) *	0.4	*Dilution Calibrator Flow (lpm)	4.003

* Document actual value during span activities.

Operator Comments:

Operator Signature:

* NO_X + NO slopes and Offsets differ from last weeks Level 1's? 6.6

East Plant

SO_2 Level 2 Zero and Span Precision Check
Resolution Copper Mining

AIR SCIENCES INC.
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Operator: P. Maducno	Teledyne API T100 SO_2 Analyzer S/N	193	Verification Start Time	10:35
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	816	Verification Stop Time	11:22
Date: 11/30/17			T100 Analyzer Range	500
	NIST-Traceable Gas Conc.	40%	Shelter Temperature (20- 30°C)	23.67

Biweekly Manual Level 2 Zero and Span Precision Check

Target Dilution (ppb)	Actual Target Dilution Generated	SO_2 Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	0.017	0.022	Zero Drift ≤ ±5 ppb	No
80 ppb	80	80.026	0.120	Span Drift ≤ ±10 %	No

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.017	0.331	± 2 ppb	No
80 ppb	80.026	80.561	± 2 ppb	No

Analyzer Parameters

Sample Flow (550 ± 10%) *	625	Sample Press. (Ambient ± 2 in-Hg)	26.2	Span Gas Tank Pressure (psi)	1900
UV Lamp (1000 - 4800 mV)	4403.3	Lamp Ratio (30 - 120%)	116.5	Span Gas Regulator Pressure (psi)	18
Slope (1 ± 0.3)	0.874	BOX Temp. (Ambient ± 5°C)	32.3	Zero Air Generator Pressure (psi)	30
Offset (< 250 mV) *'	35.6	HVPS (400 - 900 V)	603	* Dilution Calibrator Flow (lpm)	4.001

* Document value during span activities.

Operator Comments: Operator Signature:

* Sample flow - a little high!

*' Offset differs from last weeks Level 1? 6.6.

East Plant

O_3 Level 2 Zero and Span Precision Check
Resolution Copper Mining

AIR SCIENCES INC.
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Operator: P. Maduena	Teledyne API T400 O_3 Analyzer S/N	224	Verification Start Time	11:25
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	816	Verification Stop Time	11:50
Date: 11/30/17			T400 Analyzer Range	500
			Shelter Temperature (20 - 30°C)	21.97

Biweekly Manual Level 2 Zero and Span Precision Check

Target Dilution (ppb)	Actual Target Dilution Generated	O_3 Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	0.1	0.3	Zero Drift ≤ ±5 ppb	No
80 ppb	80	80.1	0.5	Span Drift ≤ ±7%	No

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.1	0.32	± 2 ppb	No
80 ppb	80.1	80.45	± 2 ppb	No

Analyzer Parameters

Sample Flow (800± 80 cc/min)	750	Sample Temp. (10 - 50°C)	38.8	Zero Air Generator (psi)	30
Photo Lamp (58 ± 1°C)	58.0	BOX Temp. (10 to 50°C)	28.4	*Dilution Calibrator Flow (lpm)	3.998
Slope (1 ± 0.15) *	1.036	O_3 Measure (2500 - 4800 mV)	3341.1		
Offset (0.0 ± 5 ppb) *	3.7	O_3 Reference (2500 - 4800 mV)	3343.0		

* Document actual value during span activities.

Operator Comments:

Operator Signature:

* Slope + Offset differ from last week's level 1?

CG.

East Plant
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.
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Date: 12/5/17 ✓ Time: 8:05 ✓ Operator: P. Madueno ✓

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propeller and the wind direction vane are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
✓		7.	The precipitation gauge is clean and free of bugs and dust.
✓		8.	The datalogger is reading the correct time and day.
✓		9.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	3m/s	3.27	3.76 P
Direction* 10m (deg)	E	65.77	77.1 P
Ambient Temperature (°C)	8°	8.52	8.47 P
Relative Humidity (%)	21%	21.37	20.7 P
Aspirated Temperature 2m	8°	8.50	8.38 P
Aspirated Temperature 10m	7°	8.47	8.37 P
Delta Temperature (°C)	N/A	-0.05	-0.008 P
Solar Radiation (w/m²)	~~Sunny~~ Partly cloudy ~~Cloudy~~	13.06	11.6 P
Barometric Pressure (mmHg)	N/A	654.020	654 P
Battery Voltage (V)	N/A	11.71	11.8 P
Time (MST)	N/A	08:10	08:15 L.T. P
Date	N/A	12/5/17	12/05/17 P

*Direction wind is from

0.016" of precip. recorded @ 08:30 hrs!
No indication of precip. gage being filled? GG

Comments/Unusual Occurrences or Weather: Triggered precip gauge, Filled evap pan. #

Site Operator Signature:

East Plant

BAM PM_{10} WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 12/5/17 Time: 08:14 Operator: P. Maducno

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 11/30 Maintenance.
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Inlet Flow check performed
	–	2.	Visual inspection and dust removal
	–	3.	Leak check performed
	–	4.	PM_{10} particle trap cleaned
	–	5.	Inlet nozzle and nozzle are cleaned

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Filter tape replaced
	–	2.	Ran the Self-Test function

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Replaced muffler on the pump (*Work performed by Air Sciences)
	–	2.	Complete calibration of flow system (*Work performed by Air Sciences)

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences)
	–	2.	Inlet system cleaned (*Work performed by Air Sciences)

Comments/Unusual Occurrences: _____

Signature: _____

East Plant

BAM $PM_{2.5}$ WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 12/5/17 Time: 08:10 Operator: P. Maducmo

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). BAM CAL Membrane 5%o
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out; the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	~	1.	Inlet Flow check performed
	~	2.	Visual inspection and dust removal
	~	3.	Leak check performed
	~	4.	PM_{10} particle trap cleaned
	~	5.	Inlet nozzle and nozzle are cleaned

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	~	1.	Filter tape replaced
	~	2.	Ran the Self-Test function

III. BAM SAMPLER – Routine Maintenance (semi-annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	~	1.	Replaced muffler on the pump (*Work performed by Air Sciences)
	~	2.	Complete calibration of flow system (*Work performed by Air Sciences)

IV. BAM SAMPLER – Routine Maintenance (annual). Check yes if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	~	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences)
	~	2.	Inlet system cleaned (*Work performed by Air Sciences)

Comments/Unusual Occurrences: _____

Signature: _____

East Plant

NO_X Level 1 Zero and Span Check
Resolution Copper Mining

AIR SCIENCES INC.
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Operator: P. Maduena		Teledyne API T200 NO_X Analyzer S/N	197	Calibration Start Time	09:55
Date: 12/5/17		Teledyne API T700 Primary Standard Dilution Calibrator S/N	816	Calibration Stop Time	11:47
				T200 Analyzer Range	500
		NIST-Traceable Gas Conc.	40%	Shelter Temperature (20 - 30°C)	21.79

Biweekly Manual Level 1 Zero and Span Check

Target Dilution (ppb)	Actual Target Dilution Generated	NO Response	NO_2 Response	NO_X Response	Analyzer Stability	Acceptance Criteria	Final NO_X / Zero Response
Zero Air	0	-0.2	0.8	0.6	0.0	Zero Drift ≤ ±5 ppb	0.1
80 ppb	80	78.6	0.4	79.0	0.1	Span Drift ≤ ±10 %	79.9

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)		Logger Response (ppb)		Acceptance Criteria	Adjustment Required?
Zero Air	NO	-0.1	NO	0.31	± 2 ppb	No
	NO_2	0.2	NO_2	0.53		
	NO_x	0.1	NO_x	0.46		
80 ppb	NO	79.6	NO	80.15	± 2 ppb	No
	NO_2	0.2	NO_2	0.28		
	NO_x	79.9	NO_x	80.35		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	497	Moly Temp. (315 ± 5°C)	316.1	Span Gas Tank Pressure (psi)	1900
Ozone Flow (80 ± 15 cc/min)	80	HVPS (400 - 900 V)	674	Span Gas Regulator Pressure (psi)	20
NO_X Slope (1 ± 0.3)	0.704	NO Slope (1 ± 0.3)	0.699	Zero Air Generator Pressure (psi)	30
NO_X Offset (-20 to 150)	4.1	NO Offset (-20 to 150)	0.0	*Dilution Calibrator Flow (lpm)	4.003

* Document actual value during span activities.

Operator Comments:

Operator Signature:

East Plant

SO_2 Level 1 Zero and Span Check

Resolution Copper Mining

AIR SCIENCES INC.
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Operator: P. Madueno	Teledyne API T100 SO_2 Analyzer S/N	193	Calibration Start Time	11:50
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	816	Calibration Stop Time	12:25
Date: 12/5/17			T100 Analyzer Range	500
	NIST-Traceable Gas Conc.	40%	Shelter Temperature (20 - 30°C)	20.95

Biweekly Manual Level 1 Zero and Span Check

Target Dilution (ppb)	Actual Target Dilution Generated	SO_2 Response	Analyzer Stability	Acceptance Criteria	Final Response
Zero Air	0	0.254	0.070	Zero Drift ≤ ±5 ppb	0.027
80 ppb	80	80.147	0.416	Span Drift ≤ ±10 %	80.170

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.027	0.016	± 2 ppb	No
80 ppb	80.170	80.743	± 2 ppb	No

Analyzer Parameters

Sample Flow (550 ± 10%)	615	Sample Press. (Ambient ± 2 in-Hg)	25.8	Span Gas Tank Pressure (psi)	1900
UV Lamp (1000 - 4800 mV)	4405.1	Lamp Ratio (30 - 120%)	116.6	Span Gas Regulator Pressure (psi)	20
Slope (1 ± 0.3)	0.873	BOX Temp. (Ambient ± 5°C)	30.9	Zero Air Generator Pressure (psi)	30
Offset (< 250 mV)	35.9	HVPS (400 - 900 V)	603	* Dilution Calibrator Flow (lpm)	4.001

* Document value during span activities.

Operator Comments:

Sample Flow - a little high!

Operator Signature:

East Plant

O_3 Level 1 Zero and Span Check

Resolution Copper Mining

AIR SCIENCES INC.

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Operator: P. Maduena	Teledyne API T400 O_3 Analyzer S/N	224	Calibration Start Time	12:30
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	816	Calibration Stop Time	1:04
Date: 12/5/17			T400 Analyzer Range	500
			Shelter Temperature (20 - 30°C)	21.21

Biweekly Manual Level 1 Zero and Span Check

Target Dilution (ppb)	Actual Target Dilution Generated	O_3 Response	Analyzer Stability	Acceptance Criteria	Final Response
Zero Air	0	0.4	0.4	Zero Drift ≤ ±5 ppb	0.1
80 ppb	80	80.5	0.4	Span Drift ≤ ±7%	80.3

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.1	0.86	± 2 ppb	No
80 ppb	80.3	80.81	± 2 ppb	No

Analyzer Parameters

Sample Flow (800± 80 cc/min)	766	Sample Temp. (10 - 50°C)	38.4	Zero Air Generator (psi)	30
Photo Lamp (58 ± 1°C)	58.6	BOX Temp. (10 to 50°C)	28.2	*Dilution Calibrator Flow (lpm)	4.000
Slope (1 ± 0.15)	1.024	O_3 Measure (2500 - 4800 mV)	3336.7		
Offset (0.0 ± 5 ppb)	3.5	O_3 Reference (2500 - 4800 mV)	3339.0		

* Document actual value during span activities.

Operator Comments:

Operator Signature:

0.6

East Plant

MET SITE CHECK FORM

Resolution Copper Company

AIR SCIENCES INC.

Date: 12/14/17 Time: 11:40 Operator: P. Maduena

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propeller and the wind direction vane are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
✓		7.	The precipitation gauge is clean and free of bugs and dust.
✓		8.	The datalogger is reading the correct time and day.
✓		9.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	4m/s	4.30	11.6 *
Direction* 10m (deg)	NE	26.90	
Ambient Temperature (°C)	15°	15.68	
Relative Humidity (%)	18%	18.71	
Aspirated Temperature 2m	15°	15.39	
Aspirated Temperature 10m	14°	14.69	
Delta Temperature (°C)	N/A	-0.78	
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	418.137	
Barometric Pressure (mmHg)	N/A	651.273	
Battery Voltage (V)	N/A	12.84	
Time (MST)	N/A	11:44	14:45 L.T. *
Date	N/A	12/14/17	

*Direction wind is from

* Date written from logger is representative of 14:45 instead of 11:45 hrs!
*1 0.004" of Precip. recorded @ 14:45 hrs!

Comments/Unusual Occurrences or Weather: Triggered precip gauge *1, filled evap pan. (over flowed) *2

*2 Evap. gauge drifted into "Dead Zone" due to overfill and Evap. data is invalid following the site visit!

Site Operator Signature:

East Plant

BAM PM_{10} WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 12/14/17 Time: 11:46 Operator: P. Maduena

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months). 60, 59
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 12/14 BAM CAL Membrane 5%
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

66 -

YES	NO		
	✓	1.	Inlet Flow check performed
	✓	2.	Visual inspection and dust removal
	✓	3.	Leak check performed
	✓	4.	PM_{10} particle trap cleaned
	✓	5.	Inlet nozzle and nozzle are cleaned

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

66 -

YES	NO		
	✓	1.	Filter tape replaced
	✓	2.	Ran the Self-Test function

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66 -

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences)
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences)

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66 -

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences)
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences)

Comments/Unusual Occurrences: _____

Signature: _____

East Plant

BAM $PM_{2.5}$ WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 12/14/17 Time: 11:51 Operator: R. Madaene

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 12/14 Power fail 09:20
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out; the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	✓	1.	Inlet Flow check performed
	✓	2.	Visual inspection and dust removal
	✓	3.	Leak check performed
	✓	4.	PM_{10} particle trap cleaned
	✓	5.	Inlet nozzle and nozzle are cleaned

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	✓	1.	Filter tape replaced
	✓	2.	Ran the Self-Test function

III. BAM SAMPLER – Routine Maintenance (semi-annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences)
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences)

IV. BAM SAMPLER – Routine Maintenance (annual). Check yes if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences)
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences)

Comments/Unusual Occurrences: _____

Signature: _____

East Plant

NO_X Level 2 Zero and Span Precision Check

Resolution Copper Mining

AIR SCIENCES INC.

DENVER • PORTLAND • LOS ANGELES

Operator: P. Maduena	Teledyne API T200 NOx Analyzer S/N	197	Verification Start Time	11:56
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	816	Verification Stop Time	1109
Date: 12/14/17			T200 Analyzer Range	500
	NIST-Traceable Gas Conc.	40%	Shelter Temperature (20 - 30°C)	21.20

Biweekly Manual Level 2 Zero and Span Precision Check

Target Dilution (ppb)	Actual Target Dilution Generated	NO Response	NO_2 Response	NO_X Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	0.1	0.4	0.3	0.2	Zero Drift ≤ ± 5 ppb	No
80 ppb	80	80.2	0.6	80.6	0.3	Span Drift ≤ ± 10 %	No

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)		Logger Response (ppb)		Acceptance Criteria	Adjustment Required?
Zero Air	NO	0.1	NO	0.34	± 2 ppb	No
	NO_2	0.4	NO_2	0.72		
	NO_x	0.3	NO_x	0.64		
80 ppb	NO	80.2	NO	80.56	± 2 ppb	No
	NO_2	0.6	NO_2	0.78		
	NO_x	80.6	NO_x	80.85		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	495	Moly Temp. (315 ± 5°C)	315.3	Span Gas Tank Pressure (psi)	1900
Ozone Flow (80 ± 15 cc/min)	80	HVPS (400 - 900 V)	674	Span Gas Regulator Flow (psi)	20
NO_X Slope (1 ± 0.3) *	0.715	NO Slope (1 ± 0.3) *	0.707	Zero Air Generator Pressure (psi)	30
NO_X Offset (-20 to 150) *	0.5	NO Offset (-20 to 150) *	2.3	*Dilution Calibrator Flow (lpm)	4,000

* Document actual value during span activities.

Operator Comments:

* NO_x + NO Slopes and Offsets differ from last week's Level 1's > 6.6

Operator Signature:

East Plant

SO_2 Level 2 Zero and Span Precision Check
Resolution Copper Mining

AIR SCIENCES INC.
DENVER • PORTLAND • LOS ANGELES

Operator: P. Maducno		Teledyne API T100 SO_2 Analyzer S/N	193	Verification Start Time	11:12
		Teledyne API T700 Primary Standard Dilution Calibrator S/N	816	Verification Stop Time	21:00
Date: 12/14/17				T100 Analyzer Range	.500
		NIST-Traceable Gas Conc.	40%	Shelter Temperature (20- 30°C)	20.12

Biweekly Manual Level 2 Zero and Span Precision Check

Target Dilution (ppb)	Actual Target Dilution Generated	SO_2 Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	0.156	0.039	Zero Drift ≤ ±5 ppb	No
80 ppb	80	80.363	0.069	Span Drift ≤ ±10 %	No

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.156	0.415	± 2 ppb	No
80 ppb	80.363	80.357	± 2 ppb	No

Analyzer Parameters

Sample Flow (550 ± 10%) *	760	Sample Press. (Ambient ± 2 in-Hg)	26.0	Span Gas Tank Pressure (psi)	1900
UV Lamp (1000 - 4800 mV)	4405.6	Lamp Ratio (30 - 120%)	116.5	Span Gas Regulator Pressure (psi)	20
Slope (1 ± 0.3) *	0.867	BOX Temp. (Ambient ± 5°C)	50.3	Zero Air Generator Pressure (psi)	30
Offset (< 250 mV) *'	35.2	HVPS (400 - 900 V)	603	* Dilution Calibrator Flow (lpm)	4.000

* Document value during span activities.

Operator Comments:

* Sample Flow - super high?

*' Slope and Offset differ from last week's Level 1's?

Operator Signature:

East Plant

O_3 Level 2 Zero and Span Precision Check

Resolution Copper Mining

AIR SCIENCES INC.

DENVER • PORTLAND • LOS ANGELES

Operator: P. Maduena	Teledyne API T400 O_3 Analyzer S/N	224	Verification Start Time	2:02
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	916	Verification Stop Time	2:30
Date: 12/14/17			T400 Analyzer Range	500
			Shelter Temperature (20 - 30°C)	74.99

Biweekly Manual Level 2 Zero and Span Precision Check

Target Dilution (ppb)	Actual Target Dilution Generated	O_3 Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	0.4	0.2	Zero Drift ≤ ±5 ppb	No
80 ppb	80	80.3	0.4	Span Drift ≤ ±7 %	No

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.4	0.79	± 2 ppb	No
80 ppb	80.3	80.93	± 2 ppb	No

Analyzer Parameters

Sample Flow (800± 80 cc/min)	760	Sample Temp. (10 - 50°C)	39.0	Zero Air Generator (psi)	30
Photo Lamp (58 ± 1°C)	58.0	BOX Temp. (10 to 50°C)	28.5	*Dilution Calibrator Flow (lpm)	3.999
Slope (1 ± 0.15)	1.024	O_3 Measure (2500 - 4800 mV)	3321.2		
Offset (0.0 ± 5 ppb)	3.8	O_3 Reference (2500 - 4800 mV)	3323.2		

* Document actual value during span activities.

Operator Comments:

Operator Signature:

offset differs from last week & Level 1's ?

CG

East Plant
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 12/21/17 Time: 07:45 Operator: P. Maduena

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propeller and the wind direction vane are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
✓		7.	The precipitation gauge is clean and free of bugs and dust.
✓		8.	The datalogger is reading the correct time and day.
✓		9.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	2m/s	1.63	1.98 +
Direction* 10m (deg)	S	26.65	187 *
Ambient Temperature (°C)	3°	3.55	3.78 +
Relative Humidity (%)	65%	65.47	62.1 +
Aspirated Temperature 2m	3°	3.48	3.68 +
Aspirated Temperature 10m	2°	3.34	3.6 +
Delta Temperature (°C)	N/A	-0.17	-0.081 +
Solar Radiation (w/m²)	Sunny Partly cloudy (Cloudy)	10.37	3.09 +
Barometric Pressure (mmHg)	N/A	649.733	650 +
Battery Voltage (V)	N/A	11.67	11.8 +
Time (MST)	N/A	07:50	07:45 - C.T.P
Date	N/A	12/21/17	12/21/17 +

160 - 7:15
275 - 7:30
122 - 8:00
215 - 8:15

*0.008" of precip. inadvertently recorded @08:00 hrs!

*Direction wind is from

Comments/Unusual Occurrences or Weather: Triggered precip gauge *

6.6.

Site Operator Signature:

East Plant

BAM PM_{10} WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 12/21/17 Time: 07:58 Operator: P. Maduena

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual).
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Inlet Flow check performed
	✓	2.	Visual inspection and dust removal
	✓	3.	Leak check performed
	✓	4.	PM_{10} particle trap cleaned
	✓	5.	Inlet nozzle and nozzle are cleaned

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Filter tape replaced
	✓	2.	Ran the Self-Test function

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences)
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences)

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences)
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences)

Comments/Unusual Occurrences: _____

Signature: _____

East Plant

BAM $PM_{2.5}$ WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 12/21/17 Time: 07:53 Operator: P. Maduena

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 12/21 BAM CAL Membrane 5%
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out; the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

66.

YES	NO		
	✓	1.	Inlet Flow check performed
	✓	2.	Visual inspection and dust removal
	✓	3.	Leak check performed
	✓	4.	PM_{10} particle trap cleaned
	✓	5.	Inlet nozzle and nozzle are cleaned

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

66.

YES	NO		
	✓	1.	Filter tape replaced
	✓	2.	Ran the Self-Test function

III. BAM SAMPLER – Routine Maintenance (semi-annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66.

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences)
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences)

IV. BAM SAMPLER – Routine Maintenance (annual). Check yes if maintenance was performed during this visit. *See BAM manual.*

66.

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences)
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences)

Comments/Unusual Occurrences: _____

Signature: _____

East Plant

NO_X Level 1 Zero and Span Check
Resolution Copper Mining

AIR SCIENCES INC.
DENVER • PORTLAND • LOS ANGELES

Operator: P. Maduena	Teledyne API T200 NO_X Analyzer S/N	197	Calibration Start Time	2:40
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	816	Calibration Stop Time	3:48
Date: 12/22/17			T200 Analyzer Range	500
	NIST-Traceable Gas Conc.	40%	Shelter Temperature (20 - 30°C)	21.00

Biweekly Manual Level 1 Zero and Span Check

Target Dilution (ppb)	Actual Target Dilution Generated	NO Response	NO_2 Response	NO_X Response	Analyzer Stability	Acceptance Criteria	Final NO_X/Zero Response
Zero Air	0	-0.3	0.8	0.5	0.4	Zero Drift ≤ ±5 ppb	0.10
80 ppb	80	81.3	-0.3	81.0	0.2	Span Drift ≤ ±10 %	80.0

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)		Logger Response (ppb)		Acceptance Criteria	Adjustment Required?
Zero Air	NO	0.1	NO	0.31	± 2 ppb	No
	NO_2	0.3	NO_2	0.44		
	NO_X	0.0	NO_X	0.54		
80 ppb	NO	79.8	NO	80.12	± 2 ppb	No
	NO_2	0.21	NO_2	0.54		
	NO_X	80.0	NO_X	80.56		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	491	Moly Temp. (315 ± 5°C)	315.9	Span Gas Tank Pressure (psi)	1900
Ozone Flow (80 ± 15 cc/min)	80	HVPS (400 - 900 V)	674	Span Gas Regulator Pressure (psi)	20
NO_X Slope (1 ± 0.3)	0.1640	NO Slope (1 ± 0.3)	0.1693	Zero Air Generator Pressure (psi)	30
NO_X Offset (-20 to 150)	1.16	NO Offset (-20 to 150)	2.9	*Dilution Calibrator Flow (lpm)	4.005

* Document actual value during span activities.

Operator Comments:

Operator Signature:

East Plant

SO_2 Level 1 Zero and Span Check
Resolution Copper Mining

AIR SCIENCES INC.
DENVER • PORTLAND • LOS ANGELES

Operator: P. Maducro	Teledyne API T100 SO_2 Analyzer S/N	183	Calibration Start Time	21:40	
Date: 12/22/17	Teledyne API T700 Primary Standard Dilution Calibrator S/N	896	Calibration Stop Time	41:11	
			T100 Analyzer Range	500	
	NIST-Traceable Gas Conc.	4000	Shelter Temperature (20 - 30°C)	21.11	

Biweekly Manual Level 1 Zero and Span Check

Target Dilution (ppb)	Actual Target Dilution Generated	SO_2 Response	Analyzer Stability	Acceptance Criteria	Final Response
Zero Air	0	-0.316	0.047	Zero Drift ≤ ±5 ppb	0.005
80 ppb	80	80.053	0.376	Span Drift ≤ ±10 %	80.553

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.005	0.296	± 2 ppb	No
80 ppb	80.553	80.803	± 2 ppb	No

Analyzer Parameters

Sample Flow (550 ± 10%) *	628	Sample Press. (Ambient ± 2 in-Hg)	26.2	Span Gas Tank Pressure (psi)	1900
UV Lamp (1000 - 4800 mV)	4406	Lamp Ratio (30 - 120%)	116.6	Span Gas Regulator Pressure (psi)	30
Slope (1 ± 0.3)	0.916	BOX Temp. (Ambient ± 5°C)	30.6	Zero Air Generator Pressure (psi)	20
Offset (< 250 mV)	43.8	HVPS (400 - 900 V)	603	* Dilution Calibrator Flow (lpm)	4.005

* Document value during span activities.

Operator Comments:

* Sample Flow - a little high! E.C.

Operator Signature:

East Plant

O_3 Level 1 Zero and Span Check
Resolution Copper Mining

AIR SCIENCES INC.
DENVER • PORTLAND • LOS ANGELES

Operator: P. Medeiros	Teledyne API T400 O_3 Analyzer S/N	774	Calibration Start Time	2:40
Date: 12/22/17	Teledyne API T700 Primary Standard Dilution Calibrator S/N	876	Calibration Stop Time	4:33
			T400 Analyzer Range	500
			Shelter Temperature (20 - 30°C)	22.2

Biweekly Manual Level 1 Zero and Span Check

Target Dilution (ppb)	Actual Target Dilution Generated	O_3 Response	Analyzer Stability	Acceptance Criteria	Final Response
Zero Air	0	0.3	0.3	Zero Drift ≤ ±5 ppb	0.1
80 ppb	80	79.5	0.3	Span Drift ≤ ±7%	80.2

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.1	0.32	± 2 ppb	No
80 ppb	80.2	80.77	± 2 ppb	No

Analyzer Parameters

Sample Flow (800± 80 cc/min)	760	Sample Temp. (10 - 50°C)	33.2	Zero Air Generator (psi)	30
Photo Lamp (58 ± 1°C)	58.0	BOX Temp. (10 to 50°C)	26.8	*Dilution Calibrator Flow (lpm)	4.005
Slope (1 ± 0.15)	1.027	O_3 Measure (2500 - 4800 mV)	3301.6		
Offset (0.0 ± 5 ppb)	3.6	O_3 Reference (2500 - 4800 mV)	3302.5		

* Document actual value during span activities.

Operator Comments:

Operator Signature:

East Plant

MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 12/29/17 Time: 09:05 Operator: P. Madueno

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propeller and the wind direction vane are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
✓		7.	The precipitation gauge is clean and free of bugs and dust.
✓		8.	The datalogger is reading the correct time and day.
✓		9.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	5m/s	5.73	5.04 +
Direction* 10m (deg)	E	63.32	74.5 +
Ambient Temperature (°C)	15°	15.27	15.7 +
Relative Humidity (%)	9%	9.21	8.34 +
Aspirated Temperature 2m	15°	15.47	15.2 +
Aspirated Temperature 10m	14°	15.11	14.8 +
Delta Temperature (°C)	N/A	-0.37	-0.282 +
Solar Radiation (w/m²)	(Sunny) Partly cloudy Cloudy	347.345	330 +
Barometric Pressure (mmHg)	N/A	657.633	658 +
Battery Voltage (V)	N/A	12.89	12.5 +
Time (MST)	N/A	09:09	05:15 (-1) +
Date	N/A	12/29/17	12/28/17 +

*Direction wind is from

Comments/Unusual Occurrences or Weather: _____

Site Operator Signature: _____

East Plant

BAM PM_{10} WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 12/29/17 Time: 09:15 Operator: P. Maducno

I. **BAM SAMPLER** – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 12/21 Power Err 66
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. **BAM SAMPLER** – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Inlet Flow check performed
	–	2.	Visual inspection and dust removal
	–	3.	Leak check performed
	✓	4.	PM_{10} particle trap cleaned
	✓	5.	Inlet nozzle and nozzle are cleaned

II. **BAM SAMPLER** – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Filter tape replaced
	✓	2.	Ran the Self-Test function

III. **BAM SAMPLER** – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences)
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences)

IV. **BAM SAMPLER** – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences)
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences)

Comments/Unusual Occurrences: _____

Signature: _____

East Plant

BAM $PM_{2.5}$ WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 12/29/17 Time: 09:11 Operator: P. Maducno

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 12/29 BAM CAL Membrane 5%
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out; the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Inlet Flow check performed
	–	2.	Visual inspection and dust removal
	–	3.	Leak check performed
	–	4.	PM_{10} particle trap cleaned
	–	5.	Inlet nozzle and nozzle are cleaned

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Filter tape replaced
	–	2.	Ran the Self-Test function

III. BAM SAMPLER – Routine Maintenance (semi-annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Replaced muffler on the pump (*Work performed by Air Sciences)
	–	2.	Complete calibration of flow system (*Work performed by Air Sciences)

IV. BAM SAMPLER – Routine Maintenance (annual). Check yes if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences)
	–	2.	Inlet system cleaned (*Work performed by Air Sciences)

Comments/Unusual Occurrences: _____

Signature: _____

East Plant

NO_X Level 2 Zero and Span Precision Check
Resolution Copper Mining

AIR SCIENCES INC.
DENVER • PORTLAND • LOS ANGELES

Operator: P. Maducno	Teledyne API T200 NOx Analyzer S/N	147	Verification Start Time	9:20
Date: 12/29/17	Teledyne API T700 Primary Standard Dilution Calibrator S/N	816	Verification Stop Time	10:13
			T200 Analyzer Range	500
	NIST-Traceable Gas Conc.	40%	Shelter Temperature (20 - 30°C)	20.20

Biweekly Manual Level 2 Zero and Span Precision Check

Target Dilution (ppb)	Actual Target Dilution Generated	NO Response	NO_2 Response	NO_X Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	-0.2	0.3	0.0	0.1	Zero Drift ≤ ±5 ppb	No
80 ppb	80	80.2	0.0	80.1	0.4	Span Drift ≤ ±10 %	No

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)		Logger Response (ppb)		Acceptance Criteria	Adjustment Required?
Zero Air	NO	-0.2	NO	0.31	± 2 ppb	No
	NO_2	0.3	NO_2	0.53		
	NO_x	0.0	NO_x	0.22		
80 ppb	NO	80.2	NO	80.72	± 2 ppb	No
	NO_2	0.0	NO_2	0.64		
	NO_x	80.1	NO_x	80.56		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	493	Moly Temp. (315 ± 5°C)	315.6	Span Gas Tank Pressure (psi)	1900
Ozone Flow (80 ± 15 cc/min)	80	HVPS (400 - 900 V)	675	Span Gas Regulator Flow (psi)	20
NO_X Slope (1 ± 0.3) *	0.671	NO Slope (1 ± 0.3) *	0.675	Zero Air Generator Pressure (psi)	30
NO_X Offset (-20 to 150) *	1.5	NO Offset (-20 to 150) *	2.8	*Dilution Calibrator Flow (lpm)	4.001

* Document actual value during span activities.

Operator Comments:

Operator Signature:

* NO_X + NO slopes and offsets differ from last week's level 1's?

6.6

East Plant

SO_2 Level 2 Zero and Span Precision Check
Resolution Copper Mining

AIR SCIENCES INC.
DENVER • PORTLAND • LOS ANGELES

Operator: P. Madueno	Teledyne API T100 SO_2 Analyzer S/N	193	Verification Start Time	9:17
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	816	Verification Stop Time	10:45
Date: 12/29/17			T100 Analyzer Range	500
	NIST-Traceable Gas Conc.	40%	Shelter Temperature (20- 30°C)	21.27

Biweekly Manual Level 2 Zero and Span Precision Check

Target Dilution (ppb)	Actual Target Dilution Generated	SO_2 Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	0.061	0.024	Zero Drift ≤ ±5 ppb	No
80 ppb	80	80.210	0.484	Span Drift ≤ ±10 %	No

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.061	0.431	± 2 ppb	No
80 ppb	80.210	80.710	± 2 ppb	No

Analyzer Parameters

Sample Flow (550 ± 10%) *	625	Sample Press. (Ambient ± 2 in-Hg)	26.2	Span Gas Tank Pressure (psi)	1900
UV Lamp (1000 - 4800 mV)	4409.8	Lamp Ratio (30 - 120%)	116.6	Span Gas Regulator Pressure (psi)	20
Slope (1 ± 0.3) *'	0.840	BOX Temp. (Ambient ± 5°C)	31.9	Zero Air Generator Pressure (psi)	30
Offset (< 250 mV) *'	35.7	HVPS (400 - 900 V)	603	* Dilution Calibrator Flow (lpm)	4.001

* Document value during span activities.

Operator Comments:

Operator Signature:

* Sample Flow - little high!

*' Slope and Offset differ from last week's Level 1's?

East Plant

O_3 Level 2 Zero and Span Precision Check

Resolution Copper Mining

AIR SCIENCES INC.

DENVER • PORTLAND • LOS ANGELES

Operator: PMadueno	Teledyne API T400 O_3 Analyzer S/N	224	Verification Start Time	9:17	
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	816	Verification Stop Time	11:15	
Date: 12/29/17			T400 Analyzer Range	500	
			Shelter Temperature (20 - 30°C)	20.97	

Biweekly Manual Level 2 Zero and Span Precision Check

Target Dilution (ppb)	Actual Target Dilution Generated	O_3 Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	0.3	0.2	Zero Drift ≤ ±5 ppb	No
80 ppb	80	80.5	0.2	Span Drift ≤ ±7%	No

Real-Time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.3	0.64	± 2 ppb	No
80 ppb	80.5	80.76	± 2 ppb	No

Analyzer Parameters

Sample Flow (800± 80 cc/min)	776	Sample Temp. (10 - 50°C)	38.5	Zero Air Generator (psi)	30
Photo Lamp (58 ± 1°C)	58.0	BOX Temp. (10 to 50°C)	28.1	*Dilution Calibrator Flow (lpm)	4.001
Slope (1 ± 0.15)	1.036	O_3 Measure (2500 - 4800 mV)	3321.9		
Offset (0.0 ± 5 ppb)	3.6	O_3 Reference (2500 - 4800 mV)	3321.7		

* Document actual value during span activities.

Operator Comments:

Operator Signature:

* Slope differs from last week's Level 1's? 06

Appendix E – West Plant Site Check Forms

West Plant
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 10/04/17 Time: 12:30 Operator: P. Maduena

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propeller and the wind direction vane are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
✓		7.	The precipitation gauge is clean and free of bugs and dust.
✓		8.	The datalogger is reading the correct time and day.
✓		9.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	5m/s	5.73	4.38 +
Direction* 10m (deg)	NE	232.360	210 *
Ambient Temperature (°C)	35°	35.28 +	—
Relative Humidity (%)	390	38.11	36.3 +
Aspirated Temperature 2m	35	33.31	34.1 +
Aspirated Temperature 10m	34	31.81	31.5 +
Delta Temperature (°C)	N/A	−1.64	−2.21 +
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	830.735	832 +
Barometric Pressure (mmHg)	N/A	685.099	685 +
Battery Voltage (V)	N/A	12.72	12.7 +
Time (MST)	N/A	12:40	12:45 L.J.P
Date	N/A	10/04/17	10/04/17 +

206 - 12:15
162 - 12:30
206 - 13:00
153 - 13:15

*Direction wind is from * 0.016" of precip. invalidated @ 12:45 hrs!

Comments/Unusual Occurrences or Weather: Triggered precip gauge *, filled evap pan. ✓ 66

Site Operator Signature:

West Plant

BAM PM_{10} WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 10/04/17 Time: 12:43 Operator: P. Maduena

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 10/04 BAM CAL Membrane 5%
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Inlet flow check performed.
	✓	2.	Visual inspection and dust removal.
	✓	3.	Leak check performed.
	✓	4.	PM_{10} particle trap cleaned.
	✓	5.	Inlet nozzle and nozzle are cleaned.

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Filter tape replaced.
	✓	2.	Ran the Self-Test function.

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences).
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences).

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences).
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences).

Comments/Unusual Occurrences: _____

Signature: _____

AIR SCIENCES INC.

West Plant

BAM $PM_{2.5}$ WEEKLY SITE CHECK FORM

Resolution Copper Mining

Date: 10/04/17 Time: 12:47 Operator: D. Maduena

I. **BAM SAMPLER** – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 09/28 Maintenance
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. **BAM SAMPLER** – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	~	1.	Inlet flow check performed.
	~	2.	Visual inspection and dust removal.
	~	3.	Leak check performed.
	~	4.	PM_{10} particle trap cleaned.
	~	5.	Inlet nozzle and nozzle are cleaned.

II. **BAM SAMPLER** – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	~	1.	Filter tape replaced.
	~	2.	Ran the Self-Test function.

III. **BAM SAMPLER** – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	~	1.	Replaced muffler on the pump (*Work performed by Air Sciences).
	~	2.	Complete calibration of flow system (*Work performed by Air Sciences).

IV. **BAM SAMPLER** – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	~	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences).
	~	2.	Inlet system cleaned (*Work performed by Air Sciences).

Comments/Unusual Occurrences: _____

Signature: _____

West Plant
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 10/10/17 Time: 3:00 Operator: P. Maduena

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propeller and the wind direction vane are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
✓		7.	The precipitation gauge is clean and free of bugs and dust.
✓		8.	The datalogger is reading the correct time and day.
✓		9.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit	
Speed 10m (m/s)	1m/s	1.43	2.1	+ 153 - 14:30
Direction* 10m (deg)	NW	188.559	104	✗ 141 - 14:45
Ambient Temperature (°C)	28°	28.62	28.3	+ 165 - 15:15
Relative Humidity (%)	14%	14.09	13.4	+ 155 - 15:30
Aspirated Temperature 2m	28°	28.35	28.5	+
Aspirated Temperature 10m	27°	27.68	27.6	+
Delta Temperature (°C)	N/A	-0.65	-1.28	+ 575 - 14:30
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	216.172	452	✗ 681 - 14:45
Barometric Pressure (mmHg)	N/A	684.671	685	+ 318 - 15:15
Battery Voltage (V)	N/A	12.79	12.8	+ 503 - 15:30
Time (MST)	N/A	3:06	15:00 LTF	
Date	N/A	10/10/17	10/10/17	+

*Direction wind is from

✗ 0.016" of precip. invalidated @ 15:15 hrs!

Comments/Unusual Occurrences or Weather: Triggered precip gauge, filled evap pan. ✓

6.6

Site Operator Signature:

West Plant

BAM PM_{10} WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 10/10/17 Time: 3:08 Operator: P. Maduena

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 10/10 BAM CAL Membrane S°/o
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Inlet flow check performed.
	–	2.	Visual inspection and dust removal.
	–	3.	Leak check performed.
	–	4.	PM_{10} particle trap cleaned.
	–	5.	Inlet nozzle and nozzle are cleaned.

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Filter tape replaced.
	–	2.	Ran the Self-Test function.

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Replaced muffler on the pump (*Work performed by Air Sciences).
	–	2.	Complete calibration of flow system (*Work performed by Air Sciences).

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences).
	–	2.	Inlet system cleaned (*Work performed by Air Sciences).

Comments/Unusual Occurrences: _____

Signature: _____

AIR SCIENCES INC.

West Plant

BAM $PM_{2.5}$ WEEKLY SITE CHECK FORM

Resolution Copper Mining

Date: 10/10/17 Time: 3:12 Operator: P. Maduena

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 09/28 Maintenance.
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Inlet flow check performed.
	✓	2.	Visual inspection and dust removal.
	✓	3.	Leak check performed.
	✓	4.	PM_{10} particle trap cleaned.
	✓	5.	Inlet nozzle and nozzle are cleaned.

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Filter tape replaced.
	✓	2.	Ran the Self-Test function.

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences).
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences).

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences).
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences).

Comments/Unusual Occurrences: _____

Signature: _____

West Plant
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 10/26/17 Time: 07:55 Operator: P. Maducus

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propeller and the wind direction vane are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
✓		7.	The precipitation gauge is clean and free of bugs and dust.
✓		8.	The datalogger is reading the correct time and day.
✓		9.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	3m/s	3.21	3.56 +
Direction* 10m (deg)	W	85.21	76.6 +
Ambient Temperature (°C)	24°	24.01	23.6 +
Relative Humidity (%)	19%	19.00	18.7 +
Aspirated Temperature 2m	24°	22.82	22.5 +
Aspirated Temperature 10m	23°	22.34	22.3 +
Delta Temperature (°C)	N/A	-0.47	-0.208 +
Solar Radiation (w/m²)	(Sunny) Partly cloudy Cloudy	222.971	205 +
Barometric Pressure (mmHg)	N/A	684.505	685 +
Battery Voltage (V)	N/A	12.92	12.8 +
Time (MST)	N/A	08:00	08:00 L.T. +
Date	N/A	10/26/17	10/26/17 +

*Direction wind is from

0.008" of precip. invalidated @ 08:00 hrs!

Comments/Unusual Occurrences or Weather: Triggered precip ~~*~~ filled evap pan ✓

Site Operator Signature:

West Plant

BAM PM_{10} WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 10/26/17 Time: 08:04 Operator: P. Maduene

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 10/26 BAM CAL Membrane 5%
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

66.

YES	NO		
	✓	1.	Inlet flow check performed.
	✓	2.	Visual inspection and dust removal.
	✓	3.	Leak check performed.
	✓	4.	PM_{10} particle trap cleaned.
	✓	5.	Inlet nozzle and nozzle are cleaned.

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

66.

YES	NO		
	✓	1.	Filter tape replaced.
	✓	2.	Ran the Self-Test function.

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66.

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences).
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences).

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66.

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences).
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences).

Comments/Unusual Occurrences: _____

Signature: _____

AIR SCIENCES INC.

West Plant

BAM $PM_{2.5}$ WEEKLY SITE CHECK FORM

Resolution Copper Mining

Date: 10/26/17 Time: 08:09 Operator: P. Maducus

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 09/28 Maintenance
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	✓	1.	Inlet flow check performed.
	✓	2.	Visual inspection and dust removal.
	✓	3.	Leak check performed.
	✓	4.	PM_{10} particle trap cleaned.
	✓	5.	Inlet nozzle and nozzle are cleaned.

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	✓	1.	Filter tape replaced.
	✓	2.	Ran the Self-Test function.

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences).
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences).

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences).
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences).

Comments/Unusual Occurrences: _____

Signature: _____

West Plant
BAM PM_{10} WEEKLY SITE CHECK FORM
Resolution Copper Mining

AIR SCIENCES INC.

Date: 10-31-2017 Time: 1300 Operator: R. ATTRIDGE

I. BAM SAMPLER – Weekly Checks.

YES	NO		
X		1.	The sampler is intact and the inlet head is unobstructed.
X		2.	The vacuum pump is running and sounds normal.
X		3.	The temperature shield is intact, and the sensor is inside of it.
	X	4.	The BAM is reading the correct time and day.
X		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
X		6.	Error log was checked (F3), and errors followed up on (see manual).
X		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
X		1.	Inlet flow check performed.
X		2.	Visual inspection and dust removal.
X		3.	Leak check performed.
X		4.	PM_{10} particle trap cleaned.
X		5.	Inlet nozzle and nozzle are cleaned.

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	X	1.	Filter tape replaced.
X		2.	Ran the Self-Test function.

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	X	1.	Replaced muffler on the pump (*Work performed by Air Sciences).
X		2.	Complete calibration of flow system (*Work performed by Air Sciences).

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	X	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences).
X		2.	Inlet system cleaned (*Work performed by Air Sciences).

Comments/Unusual Occurrences: Corrected 2-min time drift – GG

Signature: [signature]

West Plant

BAM $PM_{2.5}$ WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 10-31-2017 Time: 13:00 Operator: R. ATTRIDGE

I. BAM SAMPLER – Weekly Checks.

YES	NO		
X		1.	The sampler is intact and the inlet head is unobstructed.
X		2.	The vacuum pump is running and sounds normal.
X		3.	The temperature shield is intact, and the sensor is inside of it.
	X	4.	The BAM is reading the correct time and day.
X		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
X		6.	Error log was checked (F3), and errors followed up on (see manual).
X		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
X		1.	Inlet flow check performed.
X		2.	Visual inspection and dust removal.
X		3.	Leak check performed.
X		4.	PM_{10} particle trap cleaned.
X		5.	Inlet nozzle and nozzle are cleaned.

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	X	1.	Filter tape replaced.
X		2.	Ran the Self-Test function.

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	X	1.	Replaced muffler on the pump (*Work performed by Air Sciences).
X		2.	Complete calibration of flow system (*Work performed by Air Sciences).

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	X	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences).
X		2.	Inlet system cleaned (*Work performed by Air Sciences).

Comments/Unusual Occurrences: Corrected 3-min time drift

Signature: R Attridge

West Plant
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 11/08/17 Time: 1:40 Operator: P. Maduena

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propeller and the wind direction vane are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
✓		7.	The precipitation gauge is clean and free of bugs and dust.
✓		8.	The datalogger is reading the correct time and day.
✓		9.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	4m/s	3.99	2.85 +
Direction* 10m (deg)	E	227.476	238 +
Ambient Temperature (°C)	24°	24.97	25.4 +
Relative Humidity (%)	35%	35.90	35.3 +
Aspirated Temperature 2m	24°	24.25	24 +
Aspirated Temperature 10m	23°	22.31	22.5 +
Delta Temperature (°C)	N/A	−1.98	−1.51 +
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	555.810	587 +
Barometric Pressure (mmHg)	N/A	685.732	686 +
Battery Voltage (V)	N/A	12.84	12.8 +
Time (MST)	N/A	1:46	13:45 LT +
Date	N/A	11/8/17	11/08/17 +

*Direction wind is from * - No indication of precip. gauge being tipped!?

Comments/Unusual Occurrences or Weather: Triggered precip gauge ~~filled~~ evap. ✓ 66 -

Site Operator Signature:

West Plant

BAM PM_{10} WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 11/8/17 Time: 1:50 Operator: P. Maduene

I. BAM SAMPLER -- Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 11/08 BAM Membrane 5%
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

66.

YES	NO		
	✓	1.	Inlet flow check performed.
	✓	2.	Visual inspection and dust removal.
	✓	3.	Leak check performed.
	✓	4.	PM_{10} particle trap cleaned.
	✓	5.	Inlet nozzle and nozzle are cleaned.

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

66.

YES	NO		
	✓	1.	Filter tape replaced.
	✓	2.	Ran the Self-Test function.

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66.

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences).
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences).

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66.

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences).
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences).

Comments/Unusual Occurrences: _____

Signature: _____

AIR SCIENCES INC.

West Plant

BAM $PM_{2.5}$ WEEKLY SITE CHECK FORM

Resolution Copper Mining

Date: 11/08/17 Time: 11:54 Operator: P. Maduno

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 10/31 Maintenance
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	–	1.	Inlet flow check performed.
	✓	2.	Visual inspection and dust removal.
	✓	3.	Leak check performed.
	✓	4.	PM_{10} particle trap cleaned.
	✓	5.	Inlet nozzle and nozzle are cleaned.

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	–	1.	Filter tape replaced.
	✓	2.	Ran the Self-Test function.

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences).
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences).

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences).
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences).

Comments/Unusual Occurrences: _____

Signature: _____

West Plant
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 11/16/17 ✓ Time: 11:25 ✓ Operator: D. Maduno ✓

YES	NO	
✓		1. The tower is intact and upright.
✓		2. The anemometer propeller and the wind direction vane are turning freely.
✓		3. All temperature shields are intact, and the probes are inside their shields.
✓		4. The aspirator fans are operating.
✓		5. The solar radiation sensor is level and has been cleaned.
✓		6. The solar panel is facing south and is clean.
✓		7. The precipitation gauge is clean and free of bugs and dust.
✓		8. The datalogger is reading the correct time and day.
✓		9. The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10. Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	4 m/s	4.60	7.01 +
Direction* 10m (deg)	NE	211.870	231 +
Ambient Temperature (°C)	28°	28.88	28.6 +
Relative Humidity (%)	10%	10.44	10.6 +
Aspirated Temperature 2m	28°	27.19	26.4 +
Aspirated Temperature 10m	27°	25.80	25.4 +
Delta Temperature (°C)	N/A	-1.55	-1.01 +
Solar Radiation (w/m²)	Sunny / Partly cloudy / Cloudy	659.302	645 +
Barometric Pressure (mmHg)	N/A	914.602	676 +
Battery Voltage (V)	N/A	12.76	12.8 +
Time (MST)	N/A	11:30	11:30 LTP
Date	N/A	11/16/17	11/16/17 +

*Direction wind is from

★ 0.24" of precip. manually entered @ 12:00 hrs! ES

Comments/Unusual Occurrences or Weather: Triggered precip ★, filled evap ✓

Site Operator Signature:

West Plant

BAM PM_{10} WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 11/16/17 Time: 11:32 Operator: P Maducmo

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 11/15 BAM CAL Membrane 5%
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Inlet flow check performed.
	✓	2.	Visual inspection and dust removal.
	✓	3.	Leak check performed.
✓		4.	PM_{10} particle trap cleaned.
✓		5.	Inlet nozzle and nozzle are cleaned.

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
✓		1.	Filter tape replaced.
✓		2.	Ran the Self-Test function.

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	–	1.	Replaced muffler on the pump (*Work performed by Air Sciences).
	–	2.	Complete calibration of flow system (*Work performed by Air Sciences).

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	–	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences).
	–	2.	Inlet system cleaned (*Work performed by Air Sciences).

Comments/Unusual Occurrences: Replaced filter tape, self test passed

66

Signature:

AIR SCIENCES INC.

West Plant

BAM $PM_{2.5}$ WEEKLY SITE CHECK FORM

Resolution Copper Mining

Date: 11/16/17 Time: 11:45 Operator: P. Madueno

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 10/31 Maintenance.
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Inlet flow check performed.
	✓	2.	Visual inspection and dust removal.
	✓	3.	Leak check performed.
✓		4.	PM_{10} particle trap cleaned.
✓		5.	Inlet nozzle and nozzle are cleaned.

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
✓		1.	Filter tape replaced.
✓		2.	Ran the Self-Test function.

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	~~✓~~	1.	Replaced muffler on the pump (*Work performed by Air Sciences).
	~~✓~~	2.	Complete calibration of flow system (*Work performed by Air Sciences).

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	~~✓~~	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences).
		2.	Inlet system cleaned (*Work performed by Air Sciences).

Comments/Unusual Occurrences: Replaced filter tape, self test passed

Signature:

West Plant
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 11/22/17 ✓ Time: 10:15 ✓ Operator: P. Madueño ✓

YES	NO	
✓		1. The tower is intact and upright.
✓		2. The anemometer propeller and the wind direction vane are turning freely.
✓		3. All temperature shields are intact, and the probes are inside their shields.
✓		4. The aspirator fans are operating.
✓		5. The solar radiation sensor is level and has been cleaned.
✓		6. The solar panel is facing south and is clean.
✓		7. The precipitation gauge is clean and free of bugs and dust.
✓		8. The datalogger is reading the correct time and day.
✓		9. The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10. Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	3m/s	3.27	3.02 ✓
Direction* 10m (deg)	SW	43.30	60.5 ✓
Ambient Temperature (°C)	23°	23.65	23.8 ✓
Relative Humidity (%)	11%	11.02	10.9 ✓
Aspirated Temperature 2m	23°	22.96	23.1 ✓
Aspirated Temperature 10m	22°	21.96	22.0 ✓
Delta Temperature (°C)	N/A	-1.00	-0.989 ✓
Solar Radiation (w/m²)	(Sunny) Partly cloudy Cloudy	542.485	522 ✓
Barometric Pressure (mmHg)	N/A	690.629	691 ✓
Battery Voltage (V)	N/A	12.83	12.9 ✓
Time (MST)	N/A	10:20	10:15 - C.T. ✓
Date	N/A	11/22/17	11/22/17 ✓

* 0.012" of precip. manually entered @ 10:30 hrs!

*Direction wind is from

Comments/Unusual Occurrences or Weather: Triggered precip*, filled evap ✓ 66

Site Operator Signature: [signature]

West Plant
BAM PM_{10} WEEKLY SITE CHECK FORM
Resolution Copper Mining

AIR SCIENCES INC.

Date: 11/22/17 Time: 10:22 Operator: P. Maduena

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 11/22 BAM CAL Membrane 5%
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	✓	1.	Inlet flow check performed.
	✓	2.	Visual inspection and dust removal.
	✓	3.	Leak check performed.
	✓	4.	PM_{10} particle trap cleaned.
	✓	5.	Inlet nozzle and nozzle are cleaned.

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	✓	1.	Filter tape replaced.
	✓	2.	Ran the Self-Test function.

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences).
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences).

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences).
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences).

Comments/Unusual Occurrences: _____

Signature: _____

West Plant

BAM $PM_{2.5}$ WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 11/22/17 Time: 10:27 Operator: P. Maduena

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 11/16 Maintenance
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES NO 66

	✓	1.	Inlet flow check performed.
	✓	2.	Visual inspection and dust removal.
	✓	3.	Leak check performed.
	✓	4.	PM_{10} particle trap cleaned.
	✓	5.	Inlet nozzle and nozzle are cleaned.

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES NO 66

	✓	1.	Filter tape replaced.
	✓	2.	Ran the Self-Test function.

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES NO 66

	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences).
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences).

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES NO 6.6

	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences).
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences).

Comments/Unusual Occurrences: _____

Signature: _____

West Plant
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 11/29/17 Time: 9:05 Operator: P. Madueno

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propeller and the wind direction vane are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
✓		7.	The precipitation gauge is clean and free of bugs and dust.
✓		8.	The datalogger is reading the correct time and day.
✓		9.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	1m/s	0.92	3.57 ✓
Direction* 10m (deg)	NW	131.486	324 ✗
Ambient Temperature (°C)	20°	20.20	20.3 ✓
Relative Humidity (%)	16%	16.62	16.6 ✓
Aspirated Temperature 2m	20°	19.74	19.6 ✓
Aspirated Temperature 10m	19°	19.29	19.3 ✓
Delta Temperature (°C)	N/A	-0.42	-0.378 ✓
Solar Radiation (w/m²)	Sunny Partly cloudy (Cloudy)	147.099	323 ✗
Barometric Pressure (mmHg)	N/A	687.798	688 ✓
Battery Voltage (V)	N/A	12.92	12.9 ✓
Time (MST)	N/A	9:15	08:15 - L.J.P
Date	N/A	?	11/29/17 ✓

278 - 8:45
251 - 9:00
348 - 9:30
363 - 9:45

208 - 8:45
273 - 9:00
136 - 9:30
147 - 9:45

*Direction wind is from

✗ 0.02" of precip. indicated @ 10:15 hrs!

Comments/Unusual Occurrences or Weather: Overcast ✓, Triggered precip gauge ✗, Filled evap. pan. ✓

66

Site Operator Signature:

West Plant

BAM PM_{10} WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 11/29/17 Time: 9:20 Operator: P. Maducno

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 11/29 BAM CAL Membrane 50/0
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
✓		1.	Inlet flow check performed.
✓		2.	Visual inspection and dust removal.
✓		3.	Leak check performed.
✓		4.	PM_{10} particle trap cleaned.
✓		5.	Inlet nozzle and nozzle are cleaned.

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Filter tape replaced.
✓		2.	Ran the Self-Test function.

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Replaced muffler on the pump (*Work performed by Air Sciences).
	–	2.	Complete calibration of flow system (*Work performed by Air Sciences).

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences).
	–	2.	Inlet system cleaned (*Work performed by Air Sciences).

Comments/Unusual Occurrences: Monthly Flow Verifications

Signature:

AIR SCIENCES INC

Monthly Flow Verification PM_{10}

West Plant

PARTICULATE MONITORING PROJECT

Met One BAM 1020 PM_{10}: S/N: M8712
Firmware:
Calibrator: Delta Cal S/N: 1034

Date of Flow Audit: 11/29/17
Time of Flow Audit: 09:30

	BAM	STD
Ambient Temperature (AT) °C	20.6	20.5
Barometric Pressure (BP) mmHg	686	685.5

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
(1) Actual Flow	15	15.0	0	14.98	0.1
Acceptable Differential		*14.700 - 15.300*	*+/- 2%*	*14.250 - 15.750*	*+/- 5%*
(2) Actual Flow	18.4	18.4	0	18.43	0.2
Acceptable Differential		*18.032 - 18.768*	*+/- 2%*	*17.480 - 19.320*	*+/- 5%*
(3) Actual Flow	16.7	16.7	0	16.71	0.1
Acceptable Differential		*16.336 - 17.034*	*+/- 2%*	*15.865 - 17.535*	*+/- 5%*

Calculations:
(1) % Diff = [(BAM - Set Point)/Set Point]*100 (+/- 2%)
(2) % Diff = [(BAM - Calibrator)/Calibrator]*100 (+/- 5%)

	BAM	
(2) Leak Test	0.5	**Should be < 1.0 LPM**

Comments/Abnormalities: Self Test Passed. Delta Cal due for Calibration.

66.

Signature:

West Plant

BAM $PM_{2.5}$ WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 11/29/17 Time: 09:26 Operator: P. Maducus

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 11/16 Maintenance.
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
✓		1.	Inlet flow check performed.
✓		2.	Visual inspection and dust removal.
✓		3.	Leak check performed.
✓		4.	PM_{10} particle trap cleaned.
✓		5.	Inlet nozzle and nozzle are cleaned.

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Filter tape replaced.
✓		2.	Ran the Self-Test function.

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Replaced muffler on the pump (*Work performed by Air Sciences).
	–	2.	Complete calibration of flow system (*Work performed by Air Sciences).

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences).
	–	2.	Inlet system cleaned (*Work performed by Air Sciences).

Comments/Unusual Occurrences: Monthly Flow Verifications

Signature:

AIR SCIENCES INC

Monthly Flow Verification $PM_{2.5}$

West Plant

PARTICULATE MONITORING PROJECT

Met One BAM 1020 $PM_{2.5}$: S/N: M8913 ✓
Firmware: ✓
Calibrator: Delta Cal S/N: 1034

Date of Flow Audit: 11/29/17 ✓
Time of Flow Audit: 10:00 ✓

	BAM	STD
Ambient Temperature (AT) °C	20.0	20.1 ✓
Barometric Pressure (BP) mmHg	686	686 ✓

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
(1) Actual Flow	15	15.0	OK ✓	14.95	0.3 ✓
Acceptable Differential		*14.700 - 15.300*	*+/- 2%*	*14.250 - 15.750*	*+/- 5%*
(2) Actual Flow	18.4	18.4	OK ✓	18.38	0.1 ✓
Acceptable Differential		*18.032 - 18.768*	*+/- 2%*	*17.480 - 19.320*	*+/- 5%*
(3) Actual Flow	16.7	16.7	OK ✓	16.66	0.2 ✓
Acceptable Differential		*16.336 - 17.034*	*+/- 2%*	*15.865 - 17.535*	*+/- 5%*

Calculations:
(1) % Diff = [(BAM - Set Point)/Set Point]*100 (+/- 2%)
(2) % Diff = [(BAM - Calibrator)/Calibrator]*100 (+/- 5%)

	BAM	
(2) Leak Test	0.6 ✓	**Should be < 1.0 LPM**

Comments/Abnormalities: Self Test passed ✓

Signature: [signature]

West Plant
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.
DENVER • PORTLAND • LOS ANGELES

Date: 12/05/17 Time: 2:20 Operator: P. Madruga

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propeller and the wind direction vane are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
✓		7.	The precipitation gauge is clean and free of bugs and dust.
✓		8.	The datalogger is reading the correct time and day.
✓		9.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	4m/s	4.19	5.15 +
Direction* 10m (deg)	W	59.17	38.8 +
Ambient Temperature (°C)	15°	15.44	15.6 +
Relative Humidity (%)	23%	23.89	23.5 +
Aspirated Temperature 2m	15°	15.07	15.2 +
Aspirated Temperature 10m	14°	14.91	15.0 +
Delta Temperature (°C)	N/A	-0.15	-0.15 +
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	58.75	50.3 +
Barometric Pressure (mmHg)	N/A	686.152	686 +
Battery Voltage (V)	N/A	12.50	12.5 +
Time (MST)	N/A	2:25	14:30 L.T. +
Date	N/A	12/5/17	12/05/17 +

*Direction wind is from

0.004" of precip. recorded @ 14:45 hrs!

Comments/Unusual Occurrences or Weather: Triggered precip gauge. #

Site Operator Signature:

West Plant

BAM PM_{10} WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 12/5/17 Time: 12:27 Operator: P. Medrano

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 12/04 Ref Withdraw
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Inlet flow check performed.
	–	2.	Visual inspection and dust removal.
	–	3.	Leak check performed.
	–	4.	PM_{10} particle trap cleaned.
	–	5.	Inlet nozzle and nozzle are cleaned.

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Filter tape replaced.
	–	2.	Ran the Self-Test function.

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Replaced muffler on the pump (*Work performed by Air Sciences).
	–	2.	Complete calibration of flow system (*Work performed by Air Sciences).

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences).
	–	2.	Inlet system cleaned (*Work performed by Air Sciences).

Comments/Unusual Occurrences: _____

Signature: _____

AIR SCIENCES INC.

West Plant

BAM $PM_{2.5}$ WEEKLY SITE CHECK FORM

Resolution Copper Mining

Date: 12/5/17 Time: 2:32 Operator: P. Maddumo

I. BAM SAMPLER – Weekly Checks.

YES	NO	
✓		1. The sampler is intact and the inlet head is unobstructed.
✓		2. The vacuum pump is running and sounds normal.
✓		3. The temperature shield is intact, and the sensor is inside of it.
✓		4. The BAM is reading the correct time and day.
✓		5. The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6. Error log was checked (F3), and errors followed up on (see manual). 11/29 Maintenance.
✓		7. Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO	
	✓	1. Inlet flow check performed.
	✓	2. Visual inspection and dust removal.
	✓	3. Leak check performed.
	✓	4. PM_{10} particle trap cleaned.
	✓	5. Inlet nozzle and nozzle are cleaned.

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO	
	✓	1. Filter tape replaced.
	✓	2. Ran the Self-Test function.

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO	
	✓	1. Replaced muffler on the pump (*Work performed by Air Sciences).
	✓	2. Complete calibration of flow system (*Work performed by Air Sciences).

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO	
	✓	1. Carbon vanes in pump checked/replaced (*Work performed by Air Sciences).
	✓	2. Inlet system cleaned (*Work performed by Air Sciences).

Comments/Unusual Occurrences: _____

Signature: _____

West Plant
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 12/14/17 Time: 3:20 Operator: P. Maduno

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propeller and the wind direction vane are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
✓		7.	The precipitation gauge is clean and free of bugs and dust.
✓		8.	The datalogger is reading the correct time and day.
✓		9.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	7m/s	6.75	4.36 +
Direction* 10m (deg)	N	191.407	221 ~~+~~
Ambient Temperature (°C)	20°	20.101	19.8 +
Relative Humidity (%)	13%	13.52	16.1 +
Aspirated Temperature 2m	20°	19.87	19.2 +
Aspirated Temperature 10m	19°	18.67	18.4 +
Delta Temperature (°C)	N/A	−1.120	−0.867 +
Solar Radiation (w/m²)	(Sunny) Partly cloudy Cloudy	350.017	289 +
Barometric Pressure (mmHg)	N/A	683.562	684 +
Battery Voltage (V)	N/A	12.92	12.5 +
Time (MST)	N/A	3:25	15:30 +
Date	N/A	12/14/17	12/14/17 +

236 - 15:09
0.865 - 15:15
274 - 15:45
287 - 16:00

*Direction wind is from

0.012" of precip. inundated @ 15:15 hrs!
0.004" of precip inundated @ 17:15 hrs (as residuals)

Comments/Unusual Occurrences or Weather: Triggered precip, filled evap - 66

Site Operator Signature:

West Plant

BAM PM_{10} WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 12/14/17 Time: 3:30 Operator: P. Maducho

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 12/07 Pressure Delta-Pressure
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	✓	1.	Inlet flow check performed.
	✓	2.	Visual inspection and dust removal.
	✓	3.	Leak check performed.
	✓	4.	PM_{10} particle trap cleaned.
	✓	5.	Inlet nozzle and nozzle are cleaned.

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	✓	1.	Filter tape replaced.
	✓	2.	Ran the Self-Test function.

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences).
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences).

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences).
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences).

Comments/Unusual Occurrences: _____

Signature: _____

AIR SCIENCES INC.

West Plant

BAM $PM_{2.5}$ WEEKLY SITE CHECK FORM

Resolution Copper Mining

Date: 12/14/17 Time: 3:34 Operator: P. Maduena

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 12/07 Power fail
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	~	1.	Inlet flow check performed.
	~	2.	Visual inspection and dust removal.
	~	3.	Leak check performed.
	~	4.	PM_{10} particle trap cleaned.
	~	5.	Inlet nozzle and nozzle are cleaned.

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	~	1.	Filter tape replaced.
	~	2.	Ran the Self-Test function.

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	~	1.	Replaced muffler on the pump (*Work performed by Air Sciences).
	~	2.	Complete calibration of flow system (*Work performed by Air Sciences).

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66

YES	NO		
	~	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences).
	~	2.	Inlet system cleaned (*Work performed by Air Sciences).

Comments/Unusual Occurrences: _____

Signature: _____

West Plant
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 12/21/17 Time: 11:05 Operator: P. Madueno

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propeller and the wind direction vane are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
✓		7.	The precipitation gauge is clean and free of bugs and dust.
✓		8.	The datalogger is reading the correct time and day.
✓		9.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	3m/s	3.99	4.85 P
Direction* 10m (deg)	E	247.542	250 P
Ambient Temperature (°C)	80	8.62	8.87 P
Relative Humidity (%)	33%	33.54	33.2 P
Aspirated Temperature 2m	80	7.46	8.04 P
Aspirated Temperature 10m	70	6.99	7 P
Delta Temperature (°C)	N/A	-1.03	-1.04 P
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	586.232	575 P
Barometric Pressure (mmHg)	N/A	683.903	684 P
Battery Voltage (V)	N/A	13.13	13.1 P
Time (MST)	N/A	11:10	11:5 L.T. P
Date	N/A	12/21/17	12/21/17 P

*Direction wind is from ✱ 0.024" ✱ precip. indicated @ 11:15 hrs !

Comments/Unusual Occurrences or Weather: Triggered precip gauge ✱ 46

Site Operator Signature:

West Plant

BAM PM_{10} WEEKLY SITE CHECK FORM

Resolution Copper Mining

AIR SCIENCES INC.

Date: 12/21/17 Time: 11:12 Operator: P. Madueno

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 12/20 Power fail
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Inlet flow check performed.
	✓	2.	Visual inspection and dust removal.
	✓	3.	Leak check performed.
	✓	4.	PM_{10} particle trap cleaned.
	✓	5.	Inlet nozzle and nozzle are cleaned.

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Filter tape replaced.
	✓	2.	Ran the Self-Test function.

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences).
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences).

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences).
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences).

Comments/Unusual Occurrences: _____

Signature: _____

AIR SCIENCES INC.

West Plant

BAM $PM_{2.5}$ WEEKLY SITE CHECK FORM

Resolution Copper Mining

Date: 12/21/17 Time: 11:16 Operator: P. Maducno

I. **BAM SAMPLER** – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 12/20 Power fail
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. **BAM SAMPLER** – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Inlet flow check performed.
	–	2.	Visual inspection and dust removal.
	–	3.	Leak check performed.
	–	4.	PM_{10} particle trap cleaned.
	–	5.	Inlet nozzle and nozzle are cleaned.

II. **BAM SAMPLER** – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Filter tape replaced.
	–	2.	Ran the Self-Test function.

III. **BAM SAMPLER** – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Replaced muffler on the pump (*Work performed by Air Sciences).
	–	2.	Complete calibration of flow system (*Work performed by Air Sciences).

IV. **BAM SAMPLER** – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	–	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences).
	–	2.	Inlet system cleaned (*Work performed by Air Sciences).

Comments/Unusual Occurrences: _____

Signature: _____

West Plant
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.
DENVER • TUCSON • LOS ANGELES

Date: 12/29/17 Time: 11:40 Operator: P. Maducno

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propeller and the wind direction vane are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
✓		7.	The precipitation gauge is clean and free of bugs and dust.
✓		8.	The datalogger is reading the correct time and day.
✓		9.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	2m/s	2.06	1.75 +
Direction* 10m (deg)	NE	221.452	226 +
Ambient Temperature (°C)	24°	24.91	24.7 +
Relative Humidity (%)	60%	6.02	6.01 +
Aspirated Temperature 2m	24°	23.35	22.9 +
Aspirated Temperature 10m	23°	23.22	22.1 +
Delta Temperature (°C)	N/A	-1.04	-0.737 +
Solar Radiation (w/m²)	(Sunny) Partly cloudy Cloudy	614.578	607 +
Barometric Pressure (mmHg)	N/A	689.377	688 +
Battery Voltage (V)	N/A	12.81	12.8 +
Time (MST)	N/A	11:45	11:45 LT +
Date	N/A	12/29/17	12/28/17 +

*Direction wind is from * 0.039" of precip. invalidated @ 12:00 hrs !

Comments/Unusual Occurrences or Weather: Triggered precip*, filled evap

Site Operator Signature:

West Plant
BAM PM_{10} WEEKLY SITE CHECK FORM
Resolution Copper Mining

AIR SCIENCES INC.

Date: 12/29/17 Time: 11:51 Operator: P. Maducmo

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months). 12/29
✓		6.	Error log was checked (F3), and errors followed up on (see manual). BAM CAL Membrane 5%
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

66 -

YES	NO		
	–	1.	Inlet flow check performed.
	–	2.	Visual inspection and dust removal.
	–	3.	Leak check performed.
	–	4.	PM_{10} particle trap cleaned.
	–	5.	Inlet nozzle and nozzle are cleaned.

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

66 -

YES	NO		
	–	1.	Filter tape replaced.
	–	2.	Ran the Self-Test function.

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66 -

YES	NO		
	–	1.	Replaced muffler on the pump (*Work performed by Air Sciences).
	–	2.	Complete calibration of flow system (*Work performed by Air Sciences).

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

66 -

YES	NO		
	–	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences).
	–	2.	Inlet system cleaned (*Work performed by Air Sciences).

Comments/Unusual Occurrences: _____

Signature: _____

AIR SCIENCES INC.

West Plant

BAM $PM_{2.5}$ WEEKLY SITE CHECK FORM

Resolution Copper Mining

Date: 12/29/17 Time: 11:57 Operator: P. Maduena

I. BAM SAMPLER – Weekly Checks.

YES	NO		
✓		1.	The sampler is intact and the inlet head is unobstructed.
✓		2.	The vacuum pump is running and sounds normal.
✓		3.	The temperature shield is intact, and the sensor is inside of it.
✓		4.	The BAM is reading the correct time and day.
✓		5.	The tape is in the proper position and does not need to be changed (tape should be changed every 2 months).
✓		6.	Error log was checked (F3), and errors followed up on (see manual). 12/20 Power fail
✓		7.	Climate control appears operational. (If it's cold out, the shelter should feel warm; if it's hot out, the shelter should feel cool.)

II. BAM SAMPLER – Routine Maintenance (monthly). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Inlet flow check performed.
	✓	2.	Visual inspection and dust removal.
	✓	3.	Leak check performed.
	✓	4.	PM_{10} particle trap cleaned.
	✓	5.	Inlet nozzle and nozzle are cleaned.

II. BAM SAMPLER – Routine Maintenance (every 2 months). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Filter tape replaced.
	✓	2.	Ran the Self-Test function.

III. BAM SAMPLER – Routine Maintenance (semiannual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Replaced muffler on the pump (*Work performed by Air Sciences).
	✓	2.	Complete calibration of flow system (*Work performed by Air Sciences).

IV. BAM SAMPLER – Routine Maintenance (annual). Check YES if maintenance was performed during this visit. *See BAM manual.*

YES	NO		
	✓	1.	Carbon vanes in pump checked/replaced (*Work performed by Air Sciences).
	✓	2.	Inlet system cleaned (*Work performed by Air Sciences).

Comments/Unusual Occurrences: _____

Signature: _____

Appendix F – Hewitt Station Site Check Forms

Hewitt Station
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 10/03/17 ✓ Time: 10:35 ✓ Operator: P. Maduena ✓

YES	NO	
✓		1. The tower is intact and upright.
✓		2. The anemometer propellers and the wind direction vanes are turning freely.
✓		3. All temperature shields are intact, and the probes are inside their shields.
✓		4. The aspirator fans are operating.
✓		5. The solar radiation sensor is level and has been cleaned.
✓		6. The solar panel is facing south and is clean.
✓		7. The datalogger is reading the correct time and day.
✓		8. The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		9. Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	—	—	✓
Direction* 10m (deg)	—	—	—
Speed 20m (m/s)	2m/s	2.35	2.37 +
Direction* 20m (deg)	W	141.557	127 +
Ambient Temperature (°C)	31°	31.26	31.3 +
Relative Humidity (%)	15%	15.89	15.7 +
Aspirated Temperature 2m	31°	30.74	30.3 +
Aspirated Temperature 10m	30°	29.19	28.1 +
Delta Temperature (°C)	N/A	−1.42	−1.11 +
Solar Radiation (w/m²)	(Sunny) Partly cloudy Cloudy	750.410	751 +
Barometric Pressure (mmHg)	N/A	701.001	701 +
Battery Voltage (V)	N/A	12.82	12.8 +
Time (MST)	N/A	10:40	10:45 – L.T. +
Date	N/A	10/03/17	10/03/17 +

*Direction wind is from

Comments/Unusual Occurrences or Weather: Data Download 09/26 – 10/03 ✓ 66

Site Operator Signature: [signature]

AIR SCIENCES INC.

Hewitt Station
SoDAR SITE CHECK FORM
Resolution Copper Company

Date: 10/03/17 Time: 9:36 Operator: P. Maduena

YES	NO	
✓		The unit is level.
✓		The enclosure and drain holes are free of debris.
✓		The unit is running and the signal pulses are audible.
✓		The enclosure and system cables have been inspected.
✓		The unit LCD is reading the correct time and day.
✓		The site has been inspected for physical overhead obstructions, and unusual ambient noise (nearby running equipment, sirens, etc.)
✓		Document the parameters below.

SoDAR System Status	4000WE
Battery Voltage (V)	13.19
Ambient Temp °C	30.90
Heater ON or OFF as Found	off
Generator ON or OFF as Found	Off
Rain Detection YES or NO	No
Snow Detection YES or NO	No
Antenna Status	Good
Speaker Array	Okay
Fuel Level	Empty (1/4) 1/2 3/4 Full
Date	10/03/17
Time	9:41

Comments/Unusual Occurrences:

Data Download 09/26 - 10/03

Generator started let run for 5 minutes before turning off.

Operator Signature:

Hewitt Station
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.
DENVER • PORTLAND • LOS ANGELES

Date: 10/10/17 ✓ Time: 1:40 ✓ Operator: P. Maduena ✓

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propellers and the wind direction vanes are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
✓		7.	The datalogger is reading the correct time and day.
✓		8.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		9.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	—	—	— ✓
Direction* 10m (deg)	—	—	— ✓
Speed 20m (m/s)	5m/s	4.71	4.85 +
Direction* 20m (deg)	W	105.722	116 +
Ambient Temperature (°C)	30°	30.169	31.2 +
Relative Humidity (%)	12%	12.59	11.8 +
Aspirated Temperature 2m	30°	30.24	30.8 +
Aspirated Temperature 10m	29°	29.01	29.3 +
Delta Temperature (°C)	N/A	-1.13	-1.48 +
Solar Radiation (w/m²)	(Sunny) Partly cloudy Cloudy	763.452	742 +
Barometric Pressure (mmHg)	N/A	702.491	703 +
Battery Voltage (V)	N/A	12.78	12.8 +
Time (MST)	N/A	1:45	13:45 - L.T. +
Date	N/A	10/10/17	10/10/17 +

*Direction wind is from

Comments/Unusual Occurrences or Weather: Data Download 10/03 - 10/10 ✓ 66

Site Operator Signature: [signature]

AIR SCIENCES INC.

Hewitt Station
SoDAR SITE CHECK FORM
Resolution Copper Company

Date: 10/10/17 Time: 1:48 Operator: P. Maduena

YES	NO	
✓		The unit is level.
✓		The enclosure and drain holes are free of debris.
✓		The unit is running and the signal pulses are audible.
✓		The enclosure and system cables have been inspected.
✓		The unit LCD is reading the correct time and day.
✓		The site has been inspected for physical overhead obstructions, and unusual ambient noise (nearby running equipment, sirens, etc.)
✓		Document the parameters below.

SoDAR System Status	4000WE
Battery Voltage (V)	13.09
Ambient Temp °C	31.20
Heater ON or OFF as Found	Off
Generator ON or OFF as Found	Off
Rain Detection YES or NO	No
Snow Detection YES or NO	No
Antenna Status	Good
Speaker Array	Okay
Fuel Level	Empty (¼) ½ ¾ Full
Date	10/10/17
Time	2h.00

Comments/Unusual Occurrences:

Data Download 09/27 – 10/10.
Started generator.

66

Operator Signature:

Hewitt Station
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 10/27/17 ✓ Time: 08:25 ✓ Operator: P. Maduena ✓

YES	NO	
✓		1. The tower is intact and upright.
✓		2. The anemometer propellers and the wind direction vanes are turning freely.
✓		3. All temperature shields are intact, and the probes are inside their shields.
✓		4. The aspirator fans are operating.
✓		5. The solar radiation sensor is level and has been cleaned.
✓		6. The solar panel is facing south and is clean.
✓		7. The datalogger is reading the correct time and day.
✓		8. The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		9. Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	—	—	—
Direction* 10m (deg)	—	—	—
Speed 20m (m/s)	5m/s	4.71	5.88 +
Direction* 20m (deg)	W	117.050	65.5 ~~+~~
Ambient Temperature (°C)	25°	25.28	25.2 +
Relative Humidity (%)	12%	12.41	12.6 +
Aspirated Temperature 2m	25°	24.56	24.3 +
Aspirated Temperature 10m	24°	24.36	24.2 +
Delta Temperature (°C)	N/A	−0.30	−0.133 +
Solar Radiation (w/m²)	(Sunny) Partly cloudy Cloudy	338.901	300 +
Barometric Pressure (mmHg)	N/A	702.856	703 +
Battery Voltage (V)	N/A	12.92	13 +
Time (MST)	N/A	08:31	08:30 LST
Date	N/A	10/27/17	10/27/17 P

95.8 - 8:00
78.1 - 8:15
56.8 - 8:45
64.3 - 9:00

66

*Direction wind is from

Comments/Unusual Occurrences or Weather: Data Download 10/10 – 10/27. ✓

Site Operator Signature: [signature]

AIR SCIENCES INC.

Hewitt Station
SoDAR SITE CHECK FORM
Resolution Copper Company

Date: 10/27/17 Time: 08:35 Operator: P. Madueno

YES	NO	
✓		The unit is level.
✓		The enclosure and drain holes are free of debris.
✓		The unit is running and the signal pulses are audible.
✓		The enclosure and system cables have been inspected.
✓		The unit LCD is reading the correct time and day.
✓		The site has been inspected for physical overhead obstructions, and unusual ambient noise (nearby running equipment, sirens, etc.)
✓		Document the parameters below.

SoDAR System Status	4000WE
Battery Voltage (V)	?
Ambient Temp °C	
Heater ON or OFF as Found	off
Generator ON or OFF as Found	off
Rain Detection YES or NO	No
Snow Detection YES or NO	No
Antenna Status	Good
Speaker Array	Okay
Fuel Level	Empty 1/4 (1/2) 3/4 Full
Date	10/27/17
Time	08:45

Comments/Unusual Occurrences:

Data Download 10/10' - 10/27, ✓
Started generator, fueled to half point ✓

Operator Signature:

Hewitt Station
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 11/08/17 Time: 08:11 Operator: P. Madueno

YES	NO	
✓		1. The tower is intact and upright.
✓		2. The anemometer propellers and the wind direction vanes are turning freely.
✓		3. All temperature shields are intact, and the probes are inside their shields.
✓		4. The aspirator fans are operating.
✓		5. The solar radiation sensor is level and has been cleaned.
✓		6. The solar panel is facing south and is clean.
✓		7. The datalogger is reading the correct time and day.
✓		8. The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		9. Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)			
Direction* 10m (deg)			
Speed 20m (m/s)	1m/s	0.92	1.33 ✓
Direction* 20m (deg)	SW	87.46	118 ✓
Ambient Temperature (°C)	17°	17.17	16.5 ✓
Relative Humidity (%)	63%	63.27	67.1 ✓
Aspirated Temperature 2m	17°	15.85	15.3 ✓
Aspirated Temperature 10m	16°	15.36	15.1 ✓
Delta Temperature (°C)	N/A	-0.44	-0.248 ✓
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	226.721	186 ✓
Barometric Pressure (mmHg)	N/A	705.496	706 ✓
Battery Voltage (V)	N/A	13.03	13.1 ✓
Time (MST)	N/A	08:16	08:15 C.T. ✓
Date	N/A	11/08/17	11/08/17 ✓

65 - 7:45
112 - 8:00
103 - 8:30
- 8:45

*Direction wind is from

Comments/Unusual Occurrences or Weather: Data Download 11/1 - 11/08. ✓ 66

Site Operator Signature:

AIR SCIENCES INC.

Hewitt Station
SoDAR SITE CHECK FORM
Resolution Copper Company

Date: 11/08/17 Time: 08:18 Operator: P. Madueno

YES	NO	
✓		The unit is level.
✓		The enclosure and drain holes are free of debris.
✓		The unit is running and the signal pulses are audible.
✓		The enclosure and system cables have been inspected.
✓		The unit LCD is reading the correct time and day.
✓		The site has been inspected for physical overhead obstructions, and unusual ambient noise (nearby running equipment, sirens, etc.)
✓		Document the parameters below.

SoDAR System Status	4000WE
Battery Voltage (V)	13.46
Ambient Temp °C	16.20
Heater ON or OFF as Found	Off
Generator ON or OFF as Found	Off
Rain Detection YES or NO	No
Snow Detection YES or NO	No
Antenna Status	Good
Speaker Array	Okay
Fuel Level	Empty ¼ ½ ¾ Full
Date	11/08/17
Time	08:35

Comments/Unusual Occurrences:

Data Download 11/1 – 11/08. Generator started. ran for appox. 10 mintues

Operator Signature:

Hewitt Station
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 11/16/17 Time: 10:37 Operator: P. Maduno

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propellers and the wind direction vanes are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
✓		7.	The datalogger is reading the correct time and day.
✓		8.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		9.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	—	—	—
Direction* 10m (deg)	—	—	—
Speed 20m (m/s)	2m/s	1.94	2.32 +
Direction* 20m (deg)	NE	224.510	264 ~~*~~
Ambient Temperature (°C)	28°	28.00	28.1 +
Relative Humidity (%)	11%	11.54	11.4 +
Aspirated Temperature 2m	29°	26.82	26.8 +
Aspirated Temperature 10m	27°	26.14	26.1 +
Delta Temperature (°C)	N/A	−0.69	−0.653 +
Solar Radiation (w/m²)	(Sunny) Partly cloudy Cloudy	559.257	544 +
Barometric Pressure (mmHg)	N/A	938.437	704 +
Battery Voltage (V)	N/A	12.88	12.5 +
Time (MST)	N/A	10:42	10:45 L.T.
Date	N/A	11/16/17	11/16/17 +

129 - ~~10:45~~
34.3 - 10:30
270 - 11:00
279 - 11:15

*Direction wind is from

Comments/Unusual Occurrences or Weather: Data Download 10/27 - 11/16 ✓

Site Operator Signature: P. Maduno

AIR SCIENCES INC.

Hewitt Station
SoDAR SITE CHECK FORM
Resolution Copper Company

Date: 11/16/17 Time: 10:44 Operator: P. Maduro

YES	NO	
✓		The unit is level.
✓		The enclosure and drain holes are free of debris.
✓		The unit is running and the signal pulses are audible.
✓		The enclosure and system cables have been inspected.
✓		The unit LCD is reading the correct time and day.
✓		The site has been inspected for physical overhead obstructions, and unusual ambient noise (nearby running equipment, sirens, etc.)
✓		Document the parameters below.

SoDAR System Status	4000WE
Battery Voltage (V)	14.27
Ambient Temp °C	27.80
Heater ON or OFF as Found	off
Generator ON or OFF as Found	off
Rain Detection YES or NO	No
Snow Detection YES or NO	No
Antenna Status	Good
Speaker Array	Okay
Fuel Level	Empty ¼ ½ ¾ Full
Date	11/16/17
Time	?

Comments/Unusual Occurrences:

Data Download 10/27 - 11/16 ✓ 06.

Operator Signature:

Hewitt Station
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 11/22/17 Time: 12:55 Operator: P. Maduena

YES	NO	
✓		1. The tower is intact and upright.
✓		2. The anemometer propellers and the wind direction vanes are turning freely.
✓		3. All temperature shields are intact, and the probes are inside their shields.
✓		4. The aspirator fans are operating.
✓		5. The solar radiation sensor is level and has been cleaned.
✓		6. The solar panel is facing south and is clean.
✓		7. The datalogger is reading the correct time and day.
✓		8. The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		9. Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	—	—	—
Direction* 10m (deg)	—	—	—
Speed 20m (m/s)	2m/s	2.76	3.54 P
Direction* 20m (deg)	S	53.00	74.5 P
Ambient Temperature (°C)	28°	28.93	28.8 P
Relative Humidity (%)	9%	9.09	8.07 P
Aspirated Temperature 2m	28°	28.32	28.3 P
Aspirated Temperature 10m	27°	27.71	27.4 P
Delta Temperature (°C)	N/A	−0.65	−0.809 P
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	597.228	587 P
Barometric Pressure (mmHg)	N/A	906.689	707 P
Battery Voltage (V)	N/A	12.82	12.8 P
Time (MST)	N/A	1:00	13:00 LT P
Date	N/A	11/22/17	11/22/17 P

58.5 - 12:30
57.8 - 12:45
64.3 - 13:15
70.5 - 13:30

*Direction wind is from

Comments/Unusual Occurrences or Weather: Data Download 11/16 - 11/22

Site Operator Signature:

AIR SCIENCES INC.

Hewitt Station
SoDAR SITE CHECK FORM
Resolution Copper Company

Date: 11/22/17 Time: 1:03 Operator: P. Maduena

YES	NO	
✓		The unit is level.
✓		The enclosure and drain holes are free of debris.
✓		The unit is running and the signal pulses are audible.
✓		The enclosure and system cables have been inspected.
✓		The unit LCD is reading the correct time and day.
✓		The site has been inspected for physical overhead obstructions, and unusual ambient noise (nearby running equipment, sirens, etc.)
✓		Document the parameters below.

SoDAR System Status	4000WE
Battery Voltage (V)	13.17
Ambient Temp °C	28.50
Heater ON or OFF as Found	Off
Generator ON or OFF as Found	Off
Rain Detection YES or NO	No
Snow Detection YES or NO	No
Antenna Status	Good
Speaker Array	OKAY
Fuel Level	Empty ¼ ½ ¾ Full
Date	11/22/17
Time	11:09

Comments/Unusual Occurrences:

Data Download 11/16 - 11/22

Operator Signature: [signature]

Hewitt Station
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 11/30/17 Time: 2:00 Operator: P. Maduena

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propellers and the wind direction vanes are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
✓		7.	The datalogger is reading the correct time and day.
✓		8.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		9.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	—	—	—
Direction* 10m (deg)	—	—	—
Speed 20m (m/s)	1 m/s	1.22	1.87 ✓
Direction* 20m (deg)	E	270.529	316 ✗
Ambient Temperature (°C)	24°	24,87	24.5 ✓
Relative Humidity (%)	18%	18.91	18.5 ✓
Aspirated Temperature 2m	24°	23.38	23.8 ✓
Aspirated Temperature 10m	23°	23,22	23.6 ✓
Delta Temperature (°C)	N/A	−0.10	−0.166 ✓
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	119.647	148 ✓
Barometric Pressure (mmHg)	N/A	704.111	704 ✓
Battery Voltage (V)	N/A	12.87	12.5 ✓
Time (MST)	N/A	2:05	14:00 L.T.
Date	N/A	11/30/17	11/30/17

264 - 13:30
325 - 13:45
341 - 14:15
237 - 14:30

*Direction wind is from

Comments/Unusual Occurrences or Weather: Data Download 11/22 - 11/30 ✓ 66

Site Operator Signature:

AIR SCIENCES INC.

Hewitt Station
SoDAR SITE CHECK FORM
Resolution Copper Company

Date: 11/30/17 Time: 2:08 Operator: P. Maduena

YES	NO	
✓		The unit is level.
✓		The enclosure and drain holes are free of debris.
✓		The unit is running and the signal pulses are audible.
✓		The enclosure and system cables have been inspected.
✓		The unit LCD is reading the correct time and day.
✓		The site has been inspected for physical overhead obstructions, and unusual ambient noise (nearby running equipment, sirens, etc.)
✓		Document the parameters below.

SoDAR System Status	4000WE
Battery Voltage (V)	13.11
Ambient Temp °C	23.80
Heater ON or OFF as Found	off
Generator ON or OFF as Found	off
Rain Detection YES or NO	No
Snow Detection YES or NO	No
Antenna Status	Good
Speaker Array	Okay
Fuel Level	Empty ¼ ½ ¾ Full
Date	11/30/17
Time	2:14

Comments/Unusual Occurrences:

Data Download 11/22 - 11/30 G.G.

Operator Signature:

Hewitt Station
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.
DENVER • PORTLAND • LOS ANGELES

Date: 12/7/17 Time: 9:00 Operator: P. Maduro

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propellers and the wind direction vanes are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
✓		7.	The datalogger is reading the correct time and day.
✓		8.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		9.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	—	—	—
Direction* 10m (deg)	—	—	—
Speed 20m (m/s)	3m/s	3.48	3.53 +
Direction* 20m (deg)	W	64.09	58.7 #
Ambient Temperature (°C)	10.0	10.05	10.02 +
Relative Humidity (%)	11%	11.87	12 +
Aspirated Temperature 2m	10°	9.25	9.13 +
Aspirated Temperature 10m	9°	8.97	8.82 +
Delta Temperature (°C)	N/A	-0.30	-0.305 +
Solar Radiation (w/m²)	Sunny / Partly cloudy Cloudy	307.121	266 +
Barometric Pressure (mmHg)	N/A	710.434	710 +
Battery Voltage (V)	N/A	13.12	13.1 +
Time (MST)	N/A	9:05	09:00 L.T. +
Date	N/A	12/7/17	12/07/07 +

61.8 - 8:30
45.4 - 8:45
48.4 - 9:15
61 - 9:30

*Direction wind is from

Comments/Unusual Occurrences or Weather: Data Download 11/30 - 12/7. ✓ 66

Site Operator Signature:

AIR SCIENCES INC.

Hewitt Station
SoDAR SITE CHECK FORM
Resolution Copper Company

Date: 12/7/17 Time: 9:08 Operator: P. Maduno

YES	NO	
✓		The unit is level.
✓		The enclosure and drain holes are free of debris.
✓		The unit is running and the signal pulses are audible.
✓		The enclosure and system cables have been inspected.
✓		The unit LCD is reading the correct time and day.
✓		The site has been inspected for physical overhead obstructions, and unusual ambient noise (nearby running equipment, sirens, etc.)
✓		Document the parameters below.

SoDAR System Status	4000WE
Battery Voltage (V)	14.31
Ambient Temp °C	8.80
Heater ON or OFF as Found	Off
Generator ON or OFF as Found	Off
Rain Detection YES or NO	No
Snow Detection YES or NO	No
Antenna Status	Good
Speaker Array	Okay
Fuel Level	Empty ¼ ½ ¾ Full ?
Date	12/7/17
Time	?

Comments/Unusual Occurrences:

Data Download 11/30 – 12/7

Operator Signature:

Hewitt Station
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 12/14/17 → 12/13 ✓ Time: 2:20 ✓ Operator: T

YES	NO	
✓		1. The tower is intact and upright.
✓		2. The anemometer propellers and the wind direction vanes are turning freely.
✓		3. All temperature shields are intact, and the probes are inside their shields.
✓		4. The aspirator fans are operating.
✓		5. The solar radiation sensor is level and has been cleaned.
✓		6. The solar panel is facing south and is clean.
✓		7. The datalogger is reading the correct time and day.
✓		8. The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		9. Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	—	—	—
Direction* 10m (deg)	—	—	—
Speed 20m (m/s)	1m/s	0.51	1.17 +
Direction* 20m (deg)	W	157.772	166 +
Ambient Temperature (°C)	25°	25.06	26 +
Relative Humidity (%)	70%	7.12	6.93 +
Aspirated Temperature 2m	25°	24.28	24.3 +
Aspirated Temperature 10m	24°	23.42	23.4 +
Delta Temperature (°C)	N/A	-0.70	-0.928 +
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	441.159	446 +
Barometric Pressure (mmHg)	N/A	702.080	702 +
Battery Voltage (V)	N/A	12.87	12.9 +
Time (MST)	N/A	2:25	14:30 LT +
Date	N/A	12/13/17	12/13/17

*Direction wind is from

0.23" of precip. in not logged @ 14:30 hrs!

2:45

Comments/Unusual Occurrences or Weather: Triggered precip gauge #; Data Download ✓ 12/7 - 12/13

Site Operator Signature: 66

AIR SCIENCES INC.

Hewitt Station
SoDAR SITE CHECK FORM
Resolution Copper Company

Date: 12/13/17 Time: 2:25 Operator: P. Maduena

YES	NO	
✓		The unit is level.
✓		The enclosure and drain holes are free of debris.
✓		The unit is running and the signal pulses are audible.
✓		The enclosure and system cables have been inspected.
✓		The unit LCD is reading the correct time and day.
✓		The site has been inspected for physical overhead obstructions, and unusual ambient noise (nearby running equipment, sirens, etc.)
✓		Document the parameters below.

SoDAR System Status	4000WE
Battery Voltage (V)	13.18
Ambient Temp °C	26.60
Heater ON or OFF as Found	Off
Generator ON or OFF as Found	Off
Rain Detection YES or NO	No
Snow Detection YES or NO	NO
Antenna Status	Good
Speaker Array	OKAY
Fuel Level	Empty ¼ ½ ¾ Full ?
Date	12/13/17
Time	2:35

Comments/Unusual Occurrences:

Data Download 12/7 - 12/13 66.

Operator Signature:

Hewitt Station
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 12/21/17 ~ Time: 09:20 ~ Operator: P. Maducne ~

YES	NO	
✓		1. The tower is intact and upright.
✓		2. The anemometer propellers and the wind direction vanes are turning freely.
✓		3. All temperature shields are intact, and the probes are inside their shields.
✓		4. The aspirator fans are operating.
✓		5. The solar radiation sensor is level and has been cleaned.
✓		6. The solar panel is facing south and is clean.
✓		7. The datalogger is reading the correct time and day.
✓		8. The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		9. Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	—	—	—
Direction* 10m (deg)	—	—	—
Speed 20m (m/s)	4m/s	4.09	4.18 +
Direction* 20m (deg)	E	251.852	255 +
Ambient Temperature (°C)	90	9.23	9.15 +
Relative Humidity (%)	36%	35.102	35.2 +
Aspirated Temperature 2m	90	8.23	8.21 +
Aspirated Temperature 10m	80	7.83	7.72 +
Delta Temperature (°C)	N/A	-0.149	-0.485 +
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	313.455	305 +
Barometric Pressure (mmHg)	N/A	936.861	703 +
Battery Voltage (V)	N/A	13.13	13.1 +
Time (MST)	N/A	09:25	09:30 CST
Date	N/A	12/21/17	12/21/17 +

*Direction wind is from

★ 0.01" of precip. inadvertedly @ 09:30 hrs !

Comments/Unusual Occurrences or Weather: Triggered precip gauge ★

Data Download 12/13 & 12/21 ✓

Site Operator Signature:

AIR SCIENCES INC.

Hewitt Station
SoDAR SITE CHECK FORM
Resolution Copper Company

Date: 12/21/17 Time: 09:28 Operator: P. Maducag

YES	NO	
✓		The unit is level.
✓		The enclosure and drain holes are free of debris.
✓		The unit is running and the signal pulses are audible.
✓		The enclosure and system cables have been inspected.
✓		The unit LCD is reading the correct time and day.
✓		The site has been inspected for physical overhead obstructions, and unusual ambient noise (nearby running equipment, sirens, etc.)
✓		Document the parameters below.

SoDAR System Status	4000WE
Battery Voltage (V)	14.30
Ambient Temp °C	8.00
Heater ON or OFF as Found	Off
Generator ON or OFF as Found	Off
Rain Detection YES or NO	No
Snow Detection YES or NO	No
Antenna Status	Good
Speaker Array	Okay
Fuel Level	Empty ¼ ½ ¾ Full
Date	12/21/17
Time	09:34

Comments/Unusual Occurrences:

Data Download 12/13 - 12/21 GG.

Operator Signature:

Hewitt Station
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.
DENVER • FORT COLLINS • LOS ANGELES

Date: 12/29/17 Time: 12:20 Operator: P. Maducno

YES	NO	
✓		1. The tower is intact and upright.
✓		2. The anemometer propellers and the wind direction vanes are turning freely.
✓		3. All temperature shields are intact, and the probes are inside their shields.
✓		4. The aspirator fans are operating.
✓		5. The solar radiation sensor is level and has been cleaned.
✓		6. The solar panel is facing south and is clean.
✓		7. The datalogger is reading the correct time and day.
✓		8. The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		9. Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	—	—	—
Direction* 10m (deg)	—	—	—
Speed 20m (m/s)	4m/s	4.30	4.05 +
Direction* 20m (deg)	NE	279.035	285 +
Ambient Temperature (°C)	24°	24.47	24.6 +
Relative Humidity (%)	70%	7.49	7.55 +
Aspirated Temperature 2m	24°	23.137	23.6 +
Aspirated Temperature 10m	23°	22.104	22.3 +
Delta Temperature (°C)	N/A	-1.26	-1.33 +
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	589.954	590 +
Barometric Pressure (mmHg)	N/A	706.865	707 +
Battery Voltage (V)	N/A	12.90	12.9 +
Time (MST)	N/A	12:25	12:30 L.T. +
Date	N/A	12/29/17	12/29/17 +

+ 0.01" of precip. indicated @ 12:30 hrs!

*Direction wind is from

Comments/Unusual Occurrences or Weather: Triggered precip*, Data Downloaded ✓ 12/21 - 12/29

Site Operator Signature:

AIR SCIENCES INC.

Hewitt Station
SoDAR SITE CHECK FORM
Resolution Copper Company

Date: 12/29/17 Time: 12:30 Operator: P. Maduena

YES	NO	
✓		The unit is level.
✓		The enclosure and drain holes are free of debris.
✓		The unit is running and the signal pulses are audible.
✓		The enclosure and system cables have been inspected.
✓		The unit LCD is reading the correct time and day.
✓		The site has been inspected for physical overhead obstructions, and unusual ambient noise (nearby running equipment, sirens, etc.)
✓		Document the parameters below.

SoDAR System Status	4000WE
Battery Voltage (V)	13.19
Ambient Temp °C	23.30
Heater ON or OFF as Found	off
Generator ON or OFF as Found	off
Rain Detection YES or NO	No
Snow Detection YES or NO	No
Antenna Status	Good
Speaker Array	Okay
Fuel Level	Empty ¼ ½ ¾ Full
Date	12/29/17
Time	

Comments/Unusual Occurrences:

Data Download 12/21 - 12/29 SG.

Operator Signature:

Appendix G – Far West Station Site Check Forms

Far West
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 10/03/17 Time: 09:25 Operator: P. Madueno

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propeller and the wind direction vane are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
		7.	~~The precipitation gauge is clean and free of bugs and dust.~~
✓		8.	The datalogger is reading the correct time and day.
✓		9.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	3m/s	2.66	3.09 +
Direction* 10m (deg)	N	175.178	165 +
Ambient Temperature (°C)	28°	28.59	28.6 +
Relative Humidity (%)	18%	18.22	18.2 +
Aspirated Temp 2m	28°	28.59	28.5 +
Aspirated Temp 10m	27°	27.53	27.7 +
Delta Temperature (°C)	N/A	-1.03	-0.848 +
Solar Radiation (w/m²)	(Sunny) Partly cloudy Cloudy	691.989	640 +
Barometric Pressure (mmHg)	N/A	713.329	713 +
Battery Voltage (V)	N/A	13.12	13.2 +
Time (MST)	N/A	09:33	09:30 LT +
Date	N/A	10/03/17	10/03/17 +

*Direction wind is from

Comments/Unusual Occurrences or Weather: Data Download 09/19 - 10/03

Site Operator Signature:

Far West
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 10/10/17 Time: 12:45 Operator: P. Maduano

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propeller and the wind direction vane are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
✓		7.	The precipitation gauge is clean and free of bugs and dust.
✓		8.	The datalogger is reading the correct time and day.
✓		9.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	4m/s	4.97	5.02 +
Direction* 10m (deg)	NW	132.327	131 +
Ambient Temperature (°C)	30°	30.70	30.6 +
Relative Humidity (%)	11%	11.53	11.6 +
Aspirated Temp 2m	30°	31.00	30.7 +
Aspirated Temp 10m	29°	29.84	29.5 +
Delta Temperature (°C)	N/A	-1.44	-1.2 +
Solar Radiation (w/m²)	(Sunny) Partly cloudy Cloudy	883.335	884 +
Barometric Pressure (mmHg)	N/A	715.215	715 +
Battery Voltage (V)	N/A	13.00	13 +
Time (MST)	N/A	1:00	13:00 L.T. +
Date	N/A	10/10/17	10/10/17 +

*Direction wind is from

Comments/Unusual Occurrences or Weather: Data Download 10/03 - 10/10 ✓ 66

Site Operator Signature: [signature]

Far West
MET SITE CHECK FORM
Resolution Copper Company

AIR SCIENCES INC.

Date: 11/22/17 Time: 11:55 Operator: P. Maducno

YES	NO		
✓		1.	The tower is intact and upright.
✓		2.	The anemometer propeller and the wind direction vane are turning freely.
✓		3.	All temperature shields are intact, and the probes are inside their shields.
✓		4.	The aspirator fans are operating.
✓		5.	The solar radiation sensor is level and has been cleaned.
✓		6.	The solar panel is facing south and is clean.
✓		7.	The precipitation gauge is clean and free of bugs and dust.
✓		8.	The datalogger is reading the correct time and day.
✓		9.	The site has been visually inspected for unusual wildlife occurrences (dead birds, etc.).
✓		10.	Estimate and document the parameters below.

Parameter	Estimated	Logger	Audit
Speed 10m (m/s)	3 w/s	3.89	3.88 +
Direction* 10m (deg)	SW	56.01	73 +
Ambient Temperature (°C)	28°	28.60	28.6 +
Relative Humidity (%)	8%	8.63	8.67 +
Aspirated Temp 2m	28°	28.71	28.6 +
Aspirated Temp 10m	27°	27.99	27.8 +
Delta Temperature (°C)	N/A	−0.73	−0.715 +
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	688.980	663 +
Barometric Pressure (mmHg)	N/A	719.767	720 +
Battery Voltage (V)	N/A	13.09	13.1 +
Time (MST)	N/A	12:07	12:00 LT +
Date	N/A	11/22/17	11/22/17 +

*Direction wind is from

Comments/Unusual Occurrences or Weather: Data Download 10/10 - 11/22 ✓ GG

Site Operator Signature:

Appendix H – Third Quarter 2017 Full Audit Report

AIR SCIENCES INC.

DENVER • PORTLAND • LOS ANGELES

Air Quality Audit and Calibration Report: Resolution Copper Monitoring Sites

PREPARED FOR:
RESOLUTION COPPER MINING

Resolution Copper Mining

PREPARED BY:
AIR SCIENCES INC.

PROJECT NO. 262-29
NOVEMBER 2017

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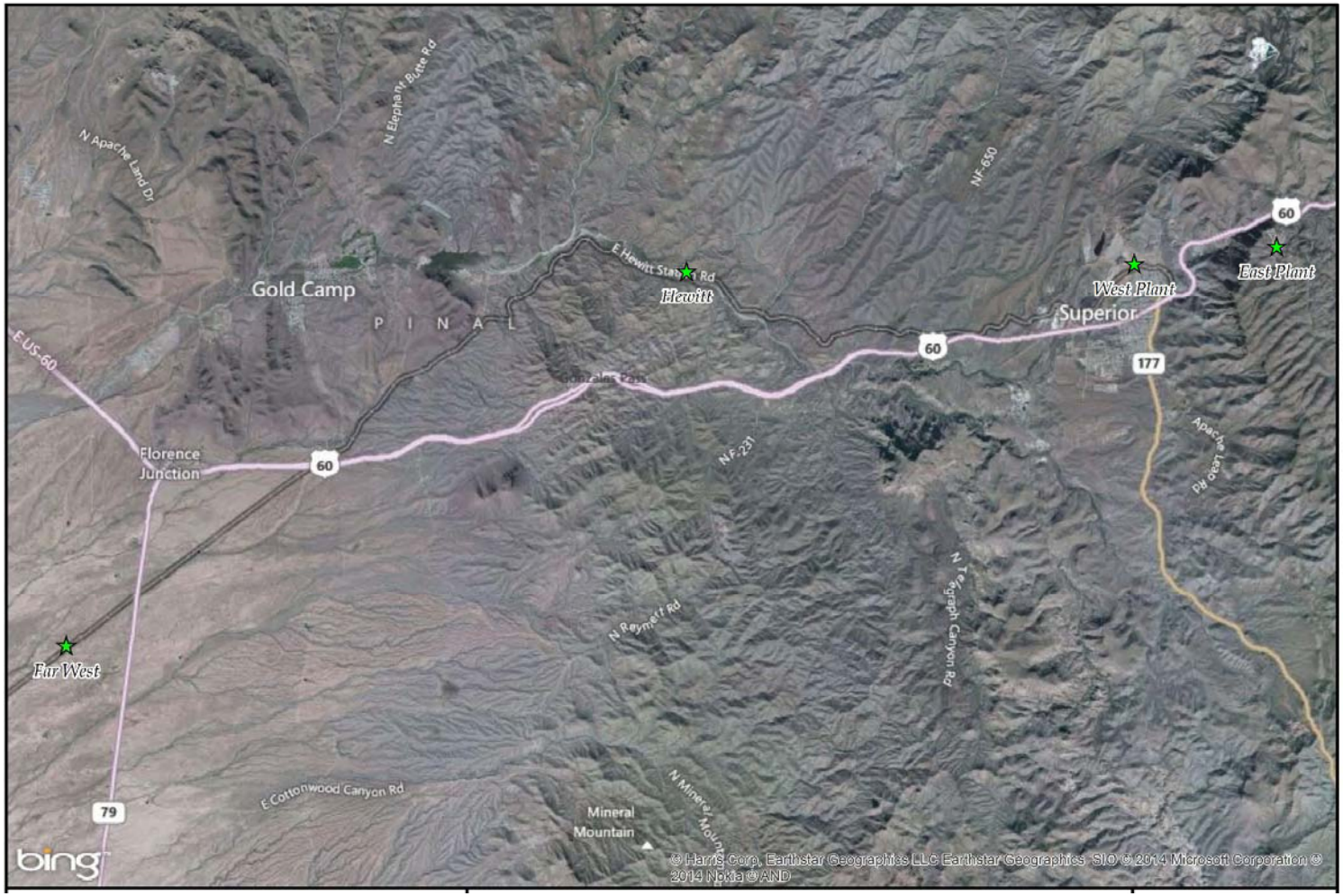
1.0 INTRODUCTION

From October 31, 2017 to November 1, 2017, the air quality instrumentation was audited at the Resolution Copper Mining Company's monitoring sites near Superior, AZ. The purpose of this document is to provide a synopsis of the air quality monitoring systems and of the audit and calibration procedures for the monitoring instrumentation at the East Plant, West Plant, Far West Plant, and Hewitt Station monitoring sites. Figure 1 shows a map of each of these monitoring sites.

Audit and calibration procedures for these monitoring sites are conducted in accordance with the following guideline documents:

- EPA-450/4-87-007, Ambient Monitoring Guidelines for Prevention of Significant Deterioration (PSD), May 1987
- EPA-454/R-99-005, Meteorological Monitoring Guidance for Regulatory Modeling Applications, Section 8.4, February 2000
- EPA-454/B-17-001, Quality Assurance Handbook for Air Pollution Measurement Systems, Volume II: Ambient Air Quality Monitoring Program, March 2017
- EPA-454/B-08-002, Quality Assurance Handbook for Air Pollution Measurement Systems, Volume IV: Meteorological Measurements, Version 2.0, March 2008
- EPA-454/B-13-004, Transfer Standards for the Audit of Ambient Air Monitoring Analyzers for Ozone
- Code of Federal Regulations (40 CFR Parts 50 and 58)

Figure 1. Station Location Map – East Plant, West Plant, Far West Plant, and Hewitt Stations



2.0 MONITORING SYSTEM DESCRIPTION

2.1 Measured Parameters

The Resolution Copper monitoring sites' instrumentation measures the following parameters:

East Plant:	
Meteorological Data	Wind speed, wind direction, horizontal wind direction standard deviation (sigma theta), ambient temperature, vertical height temperature difference (delta temperature), relative humidity, solar radiation, barometric pressure, and precipitation
Particulate Matter Data	Particulate matter less than 10 and 2.5 microns in diameter (PM_{10} and $PM_{2.5}$)
Gaseous Data	Nitrogen dioxide (NO_2), sulfur dioxide (SO_2), and ozone (O_3)
West Plant:	
Meteorological Data	Wind speed, wind direction, horizontal wind direction standard deviation (sigma theta), ambient temperature, vertical height temperature difference (delta temperature), relative humidity, solar radiation, barometric pressure, and precipitation
Particulate Matter Data	Particulate matter less than 10 and 2.5 microns in diameter (PM_{10} and $PM_{2.5}$)
Far West Plant:	
Meteorological Data	Wind speed, wind direction, horizontal wind direction standard deviation (sigma theta), ambient temperature, vertical height temperature difference (delta temperature), relative humidity, solar radiation, and barometric pressure
Particulate Matter Data	PM_{10} and $PM_{2.5}$
Hewitt Station:	
Meteorological Data	Wind speed, wind direction, horizontal wind direction standard deviation (sigma theta), ambient temperature, vertical height temperature difference (delta temperature), relative humidity, solar radiation, and barometric pressure
Upper-air Data	SoDAR (Sonic Detection And Ranging)

The monitoring stations are listed in Table 1, along with the associated measured parameters.

Table 1. Monitoring Stations

		East Plant	West Plant	Far West Plant	Hewitt
Meteorological Data	Horizontal wind speed (meters per second [m/s])	✓	✓	✓	✓
	Horizontal wind direction (degrees [°])	✓	✓	✓	✓
	Horizontal wind direction standard deviation (sigma theta)	✓	✓	✓	✓
	Air temperature (degrees Celsius [°C])	✓	✓	✓	✓
	Vertical temperature difference (ΔT, Delta T, °C)	✓	✓	✓	✓
	Relative humidity (percent [%])	✓	✓	✓	✓
	Solar radiation (watts per square meter [W/m^2])	✓	✓	✓	✓
	Barometric pressure (millimeters of mercury [mmHg])	✓	✓	✓	✓
	Precipitation (inches [in])	✓	✓		
Ambient Air Data (PM and Gas)	Particulate matter less than 10 microns (PM_{10})	✓	✓	✓	
	Particulate matter less than 2.5 microns ($PM_{2.5}$)	✓	✓	✓	
	Sulfur dioxide (SO_2)	✓			
	Ozone (O_3)	✓			
	Nitrogen dioxide (NO_2)	✓			
Upper-Air (SoDAR) Data	Wind speed by vector component (u, v, w; m/s)				✓
	Wind direction by sub-hourly scalar mean (direction [°])				✓
	Standard deviation of vector component (u, v, w)				✓

2.2 Monitoring System Sensors

The meteorological sensors are mounted to 35-foot, open-lattice, aluminum drop towers that tip down for easy access for audits and calibrations. The particulate and gaseous analyzers are housed in 60-square-foot climate-controlled trailers, which are well equipped for internal temperature control and provide easy roof access to inlets and manifolds. The sensor and particulate inlet heights are listed in Table 2 (as measured from ground-level). Figure 2 and Figure 3 provide schematics of the sensor heights at the monitoring stations.

Table 2. Sensors and Sample Inlet Heights (meters above the ground)

Parameter	Approximate Height (meters)
Wind Speed	10, 20
Wind Direction	10, 20
Ambient Temperature	2
Delta Temperature	2, 10
Solar Radiation	2
Relative Humidity	2
Barometric Pressure	1.5
Precipitation	Ground
PM_{10}	2, 3
$PM_{2.5}$	2, 3
NO_2	3
SO_2	3
O_3	3
SoDAR	2.5

Figure 2. Meteorological Sensor Heights – East Plant, West Plant, and Far West Stations

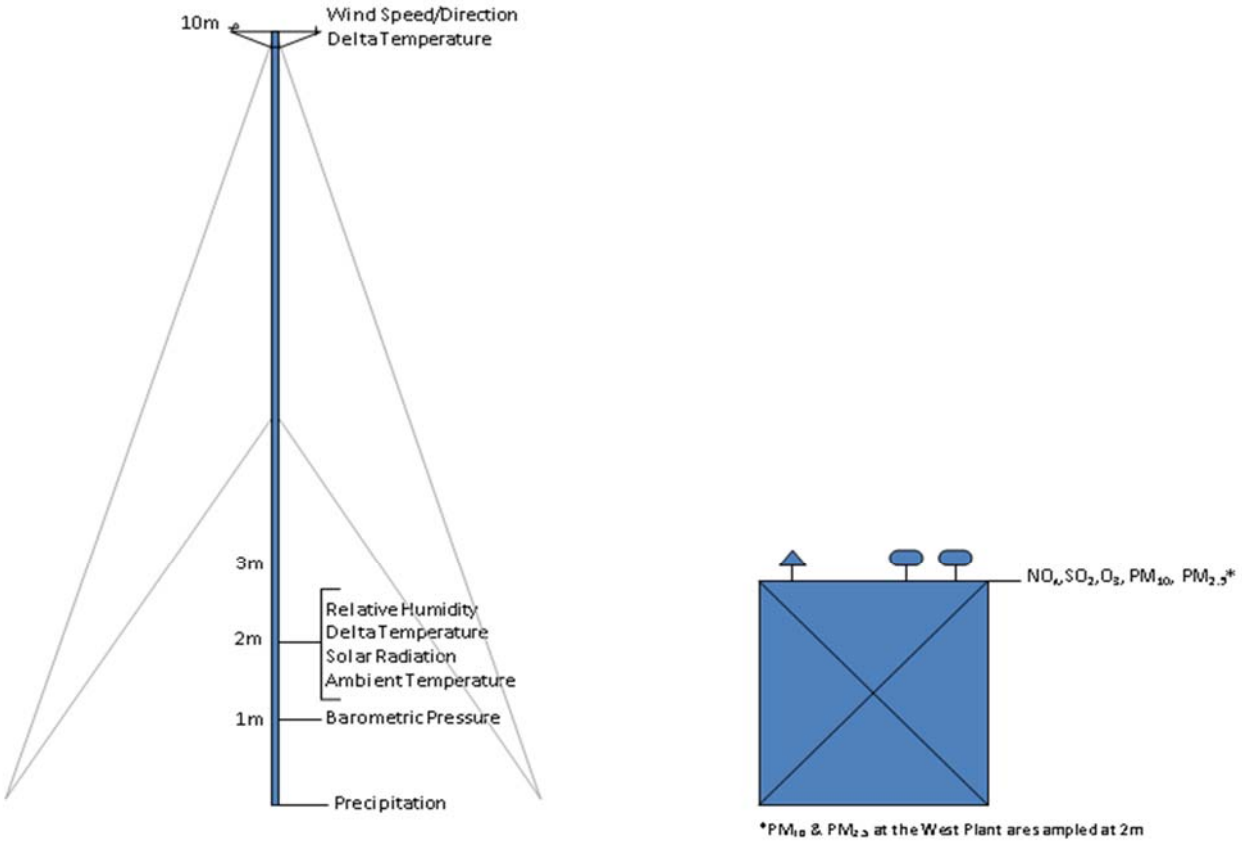
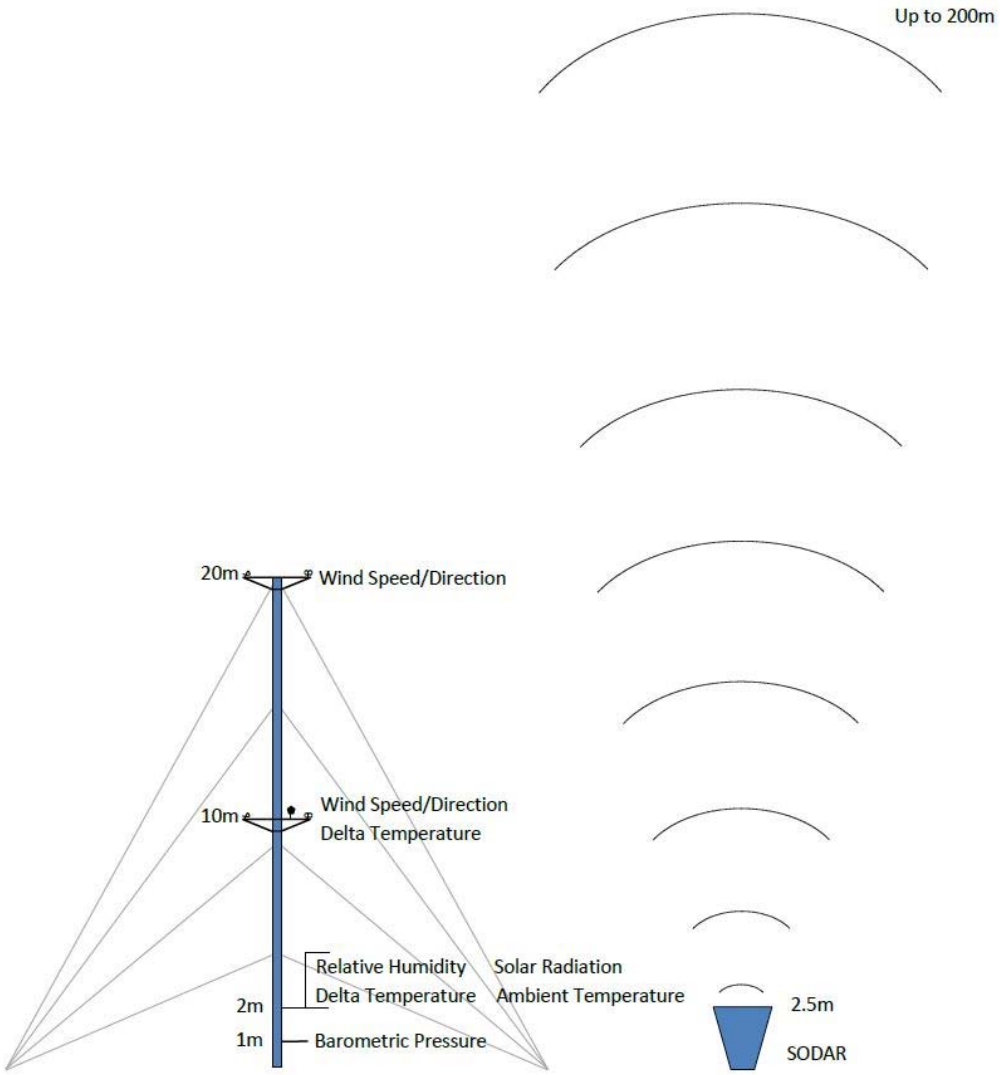


Figure 3. Sensor Heights – Hewitt Station



2.3 Monitoring System Instruments

Meteorological and ambient gas data are recorded via analog inputs on Campbell Scientific CR3000 dataloggers, powered independently by DC solar power or by locally supplied AC line power. All meteorological sensors are programmed on a one-second scan interval, and the output is digitally processed and recorded into 15-minute averages. The raw 15-minute averages are temporarily stored on the datalogger memory, and a local computer is automatically configured to permanently back up datalogger files on a 15-minute interval. The raw 15-minute data averages are securely transmitted, via cellular broadband Internet services, to the Air Sciences Inc. server and processed into the Data Acquisition and Storage System (DASS) for quality assurance checks. These raw 15-minute averages are used as input for the calculation of one-hour averages.

PM_{10} and $PM_{2.5}$ are measured by Met One Instruments, Inc. model BAM-1020 particulate monitors. The BAM-1020 is a continuous particulate monitoring device that produces 1-hour averages and a 24-hour average concentration for the period of 12:00 a.m. (midnight) through 11:59 p.m. for each calendar day. Particulate data are downloaded every hour onto the on-site datalogger via serial communications and are transported via wireless broadband modem directly to the DASS.

Upper-air data are computed and recorded as raw 15-minute averages using the SoDAR computer and internally programmed algorithms. These averages are temporarily stored on the SoDAR computer and securely transmitted every 24 hours via cellular broadband Internet to the Air Sciences Inc. server. The SoDAR is powered independently by a DC solar power system. The Hewitt Station meteorological and upper-air raw 15-minute data averages are used as input for the calculation of one-hour averages.

3.0 AUDIT AND CALIBRATION METHODOLOGY

This section provides the audit and calibration procedures for the meteorological, particulate, ambient gas, and upper-air instrumentation at the Resolution Copper monitoring sites. Copies of completed audit and calibration forms are included in Appendix A, Appendix B, and Appendix C.

3.1 Meteorological Sensor Audit and Calibration Procedures

Wind speed sensor audits and calibrations are performed by rotating the sensor shaft using a DC-powered variable-speed motor equipped with an optical encoder output referenced to a crystal oscillator. A target sensor speed is calculated based on the audit rotational speed and compared to the instantaneous datalogger reading. An R. M. Young Torque Disc is used to measure the anemometer starting torque. All data are recorded on a standardized form.

Audits and calibrations of the wind direction system are performed by aligning the tail vane of the sensor to its mounting cross-arm. A Brunton Precision Magnetic Compass (BPMC) mounted on a nonmagnetic tripod is used to establish the orientation of the cross-arm using the Magnetic Declination Method.[1] With the wind direction sensor oriented along the axis of the cross-arm, the sensor response is compared to the BPMC-measured value and recorded on a standardized form. The potentiometer linearity is checked by recording the system response at 45-degree intervals over the operating range of the system. Data are recorded on a standardized form.

Ambient temperature sensor audits and calibrations are performed by comparing the temperature sensor in-situ to a NIST-traceable[2] temperature sensor. Both thermometer and datalogger readings are recorded on a standardized form.

Differential temperature sensor audits and calibrations are performed by immersing both temperature sensors in a series of three water baths within the range of the temperature sensors. Positive and negative temperature differentials are checked by immersing the sensors in separate water baths. All cabling and associated wiring remain intact for the audit of both sensors. A Precision Temperature Sensor is used to measure the bath temperatures. All data are recorded on a standardized form.

Relative humidity sensor audits and calibrations are performed by comparing the humidity sensor in-situ to a NIST-traceable humidity sensor. Both the standard and datalogger readings are recorded on a standardized form.

---

[1] Refer to section 2.5.2.2 of the Quality Assurance Handbook for Air Pollution Measurement Systems, Volume IV: Meteorological Measurements Version 2.0, March 2008, for more details.

[2] National Institute of Standards and Technology

Solar radiation sensor audits and calibrations are performed by comparing the sensor in-situ to a calibrated pyranometer wired to an independent datalogger. Both the standard and the datalogger readings are recorded on a standardized form.

Barometric pressure sensor audits and calibrations are performed by comparing the sensor in-situ to a NIST-traceable barometric pressure standard. Both the standard and datalogger readings are recorded on a standardized form.

Precipitation gauges are audited and calibrated by employing a graduated syringe and distilled water. The volume of water required to cause the tipping bucket to activate is measured repeatedly, averaged, and compared to the calculated value for the activation. All volumes are recorded on a standardized form.

3.2 Particulate Matter Monitor Audit and Calibration Procedures

BAM-1020 PM_{10} and $PM_{2.5}$ monitors are audited and calibrated by comparing and then adjusting the temperature, barometric pressure, and internal flow to a certified deltaCal Volumetric Air Flow Calibrator. All required maintenance is performed on the instruments to assure optimal operations. The temperature, barometric pressure, and flow output readings from the deltaCal and the BAM-1020 monitor are recorded on a standardized form.

3.3 Ambient Gas Audit and Calibration Procedures

Audits and calibrations of the Teledyne T100 SO_2 and T200 NO_X analyzers involve a Multi-Point Audit (MPA) or a Multi-Point Calibration (MPC). MPAs are performed by using a Transfer Standard Teledyne API T700 Dilution Calibrator to dilute certified multi-component EPA-protocol audit gas with a clean zero-air source. MPCs are performed by using a Primary Standard Teledyne API T700 Dilution Calibrator to dilute certified multi-component EPA-protocol span gas with a clean zero-air source. The T100 SO_2 and T200 NO_X analyzers are challenged at zero, and at five points within the measured range—a point from 20, 40, 60, 80 and 100 parts per billion (ppb) of SO_2 or NO_X.

Audits and calibrations of the Teledyne T400 O_3 analyzer involve an MPA or an MPC. MPAs and MPCs are performed by using a Transfer Standard Teledyne API T700 Dilution Calibrator to generate O_3 gas to audit or calibrate the T400 analyzer at zero, and at five points within the measured range—a point from 30, 60, 80, 100, and 120 ppb of O_3.

3.4 SoDAR System Audit and Comparison Procedures

SoDAR system audits are performed by initially checking the proper mode of operation and peripheral operating systems, including the on-board generator, solar power, and communication systems, in accordance with manufacturer recommendations. The separate and distinct pulse patterns of the SoDAR are evaluated by generalized audibility. The SoDAR rotation angle is obtained by siting along the y-axis of the antenna using a BPMC mounted on a

non-magnetic tripod, and then compared to the system's software settings. To ensure a proper system level, a digital level is used to measure the pitch and roll of the SoDAR horizontally. The SoDAR computer is accessed through the system's LCD interface to obtain the reported date, time, speaker array, and antenna status. The SoDAR monitoring site is inspected for physical obstructions and unusual ambient noise sources or echoes. The SoDAR system audit results are recorded on a standardized form.

The comparison method is performed to quantify the reasonableness of the SoDAR data. The SoDAR data are compared to the data collected from an adjacent tower. Using the comparison approach, at least 24 hours of data from the tower and SoDAR are compared at the 20-meter level. This comparison method provides an overall evaluation of the SoDAR performance and a means for detecting potential active and passive noise sources.

During periods of calm winds, the adjacent tower's mechanical wind monitor floats within its measurement range, which results in a significant difference between the compared values of the two systems. The vector wind speed and direction comparisons between the SoDAR and the adjacent tower are applied using hourly averaged wind speeds equal to or greater than four meters per second.

4.0 RESULTS AND RECOMMENDATIONS

During the audit activities from October 31, 2017 to November 1, 2017, all instruments, sensors, and operating systems were found to be clean, serviceable, and within their recommended tolerance parameters with the exception of the East Plant Primary Standard Teledyne API T700 Dilution Calibrator.

The Primary Standard Dilution Calibrator failed to generate the required calibrated gases due to multiple MFC Regulator Pressure Warnings. On site troubleshooting activities suggest that the circuitry responsible for the flow pressure controls has failed. The Primary Standard Dilution Calibrator was pulled from service pending investigation and or repairs by Teledyne API.

Air Sciences certified Transfer Standard Teledyne API T700 Dilution Calibrator used for the audit was left in service to assist with the biweekly zero and span activities.

It is recommended that the ambient gaseous sample lines, gas tubing and Teledyne API T200 NO_X vacuum pump are replaced during the next services scheduled for January 2018.

During initial inspection on November 1, 2017, the Hewitt Station SoDAR clock was discovered to be 8-hours off. The collected SoDAR data shows the time changing on October 27, 2017. The SoDAR manufacturer stated that the SoDAR computer's date and time must be adjusted and saved using the SoDAR View software after memory battery replacement. On August 11, 2017, the SoDAR memory battery was replaced but the time was not saved using the SoDAR View software. Adjusting and saving the time using the SoDAR touch key interface will correct the time however, the correct time will not be saved after system reboots or power failures. The SoDAR clock shall be saved using the SoDAR View software as soon as feasible.

The SoDAR backup generator failed to start during the quarterly checks and services. Close inspection of the generator did not reveal an infestation of mice nesting materials inside the generator cowling. Rodent control measures applied during the last audit activities appear to be working. It's recommended that the generator be serviced by a qualified person, the generator and associated wiring be inspected for rodent activity during the weekly visits.

Auditing of the projects meteorological sensors was not completed during this visit.

Particulate, gaseous, and upper-air data collected during the on-site audit activities described in this report will be invalidated.

Appendix A – West Plant Audit Forms

West Plant BAM-1020 PM_{10} Audit Sheet

AIR SCIENCES INC

Model:	BAM-1020	**Serial Number:**	M8712
Audit Date:	10-31-2017	**Audited By:**	R. ATTRIDGE
Audit Time:	1315-1423		

Firmware: 323606 V3.6.3

Flow Audits					
Flow Reference Standard Used:	Model:	Delta Cal	Serial No.: 1103	Calibration Date:	3-15-17
Temperature Standard Used:	Model:	"	Serial No.: "	Calibration Date:	"
Barometric Pressure Standard Used:	Model:	"	Serial No.: "	Calibration Date:	"

Leak Check Value: As found: 0.5 Should Be: <1.0 As left: 0.4 Should Be: <1.0

		BAM	Ref. Std.		BAM	Ref. Std.		
Ambient Temperature (°C):	As found:	22.8	22.8	As left:	23.0	22.9	Adjusted	
Barometric Pressure (mmHg):	As found:	682	681.5	As left:	681	681	Adjusted	
Flow Rate (15.0 LPM):	As found:	15.0	15.37	As left:	15.1	15.02	Adjusted	X
Flow Rate (18.4 LPM):	As found:	18.3	18.74	As left:	18.3	18.38	Adjusted	X
Flow Rate (16.7 LPM):	As found:	16.7	17.05	As left:	16.7	16.69	Adjusted	X

Audit Notes:
10-30-17 — Maint.
10-30-17 — POWER
10-29-17 — Ref. Withdraw
8-16-17 — Power
8-1-17 — Maint
7-29-17 — Power
7-10-17 — Maint
~~7-8-17 — Count~~

Mechanical Audits

Pump muffler unclogged:	As found:	X	As left:		PM_{10} particle trap clean:	As found:		As left:	X	N/A	
Sample nozzle clean:	As found:		As left:	X	PM_{10} drip jar empty:	As found:	X	As left:	X	N/A	
Tape support vane clean:	As found:		As left:	X	PM_{10} bug screen clear:	As found:		As left:	X	N/A	
Capstan shaft clean:	As found:		As left:	X	$PM_{2.5}$ particle trap clean:	As found:		As left:		N/A	X
Rubber pinch rollers clean:	As found:		As left:	X	Inlet tube water-tight seal OK:	As found:	X	As left:	X		
Chassis ground wire installed:	As found:	X	As left:		Inlet tube perpendicular to BAM:	As found:	X	As left:	X		

Signature: R Attridge

West Plant BAM-1020 $PM_{2.5}$ Audit Sheet

AIR SCIENCES INC

Model:	BAM-1020	**Serial Number:**	M893
Audit Date:	10-31-2017	**Audited By:**	R. ATTRIDGE
Audit Time:	1315 – 1354		

Firmware: 3236-06 V3.3.3

Flow Audits					
Flow Reference Standard Used:	Model:	DeltaCal	Serial No.:	1103	Calibration Date: 3-15-17
Temperature Standard Used:	Model:	"	Serial No.:	"	Calibration Date: "
Barometric Pressure Standard Used:	Model:	"	Serial No.:	"	Calibration Date: "

Leak Check Value: As found: 0.6 Should Be: <1.0 As left: 0.5 Should Be: <1.0

		BAM	Ref. Std.		BAM	Ref. Std.		
Ambient Temperature (°C):	As found:	25.6	23.7	As left:	23.7	23.5	Adjusted	X
Barometric Pressure (mmHg):	As found:	673	681.5	As left:	682	681.5	Adjusted	X
Flow Rate (15.0 LPM):	As found:	15.0	14.87	As left:	15.0	15.19	Adjusted	
Flow Rate (18.4 LPM):	As found:	18.4	18.47	As left:	18.4	18.42	Adjusted	X
Flow Rate (16.7 LPM):	As found:	16.7	16.62	As left:	16.7	16.64	Adjusted	X

Audit Notes:
9-28-17 – Maint
9-28-17 – Power
8-29-17 – Maint
8-29-17 – Tape Break
8-16-17 – Power
8-1-17 – Maint
7-29-17 – Power
7-10-17 – Maint
7-7-17 – Count

Mechanical Audits

Pump muffler unclogged:	As found:	X	As left:		PM_{10} particle trap clean:	As found:		As left:	X	N/A	
Sample nozzle clean:	As found:		As left:	X	PM_{10} drip jar empty:	As found:		As left:	X	N/A	
Tape support vane clean:	As found:		As left:	X	PM_{10} bug screen clear:	As found:		As left:	X	N/A	
Capstan shaft clean:	As found:		As left:	X	$PM_{2.5}$ particle trap clean:	As found:		As left:	X	N/A	
Rubber pinch rollers clean:	As found:		As left:	X	Inlet tube water-tight seal OK:	As found:	X	As left:	X		
Chassis ground wire installed:	As found:	X	As left:		Inlet tube perpendicular to BAM:	As found:	X	As left:	X		

Signature:

Appendix B – East Plant Audit Forms

East Plant BAM-1020 PM_{10} Audit Sheet

AIR SCIENCES INC

Model:	BAM-1020	**Serial Number:**	M8714
Audit Date:	10-31-17	**Audited By:**	R. ATTRIDGE
Audit Time:	1512 – 1607		

Firmware: 3236-06 V3.6.3

Flow Audits					
Flow Reference Standard Used:	Model: DeltaCal	Serial No.: 1103	Calibration Date: 3.15.17
Temperature Standard Used:	Model: "	Serial No.: "	Calibration Date: "
Barometric Pressure Standard Used:	Model: "	Serial No.: "	Calibration Date: "

Leak Check Value: as found: 0.4 Should Be: <1.0 as left: 0.4 Should Be: <1.0

		BAM	Ref. Std.		BAM	Ref. Std.		
Ambient Temperature (°C):	as found:	19.4	19.1	as left:	18.8	18.7	Adjusted	
Barometric Pressure (mmHg):	as found:	650	651.5	as left:	650	651.5	Adjusted	
Flow Rate (15.0 LPM):	as found:	15.0	14.97	as left:	15.0	15.01	Adjusted	
Flow Rate (18.4 LPM):	as found:	18.4	18.33	as left:	18.4	18.39	Adjusted	X
Flow Rate (16.7 LPM):	as found:	16.7	16.60	as left:	16.7	16.67	Adjusted	

Audit Notes:

10.25.17 – Power
10.24.17 – Maint
10.17.17 – Power
9.28.17 – Maint
9.10.17 – Power
8.30.17 – Power
8.29.17 – Maint
8.28.17 – Power
8.27.17 – Power
~~8.25.17 – Lan~~
~~8.13.17 – Lan~~
8.12.17 – 5% out
8.11.17 – 5% out

Mechanical Audits

Pump muffler unclogged:	As found	X	As left		PM_{10} particle trap clean:	As found		As left	X	N/A	
Sample nozzle clean:	As found		As left	X	PM_{10} drip jar empty:	As found	X	As left	X	N/A	
Tape support vane clean:	As found		As left	X	PM_{10} bug screen clear:	As found		As left	X	N/A	
Capstan shaft clean:	As found		As left	X	$PM_{2.5}$ particle trap clean:	As found		As left	X	N/A	X
Rubber pinch rollers clean:	As found		As left	X	Inlet tube water-tight seal OK:	As found	X	As left	X		
Chassis ground wire installed:	As found	X	As left		Inlet tube perpendicular to BAM:	As found	X	As left	X		

Signature:

East Plant BAM-1020 $PM_{2.5}$ Audit Sheet

AIR SCIENCES INC

Model:	BAM-1020	**Serial Number:**	M6466
Audit Date:	10·31·2017	**Audited By:**	R. ATTRIDGE
Audit Time:	1512-1607		

Firmware: 3236-06 V3.6.3

Flow Audits					
Flow Reference Standard Used:	Model: DeltaCal	Serial No.: 1103	Calibration Date: 3·15·17
Temperature Standard Used:	Model: "	Serial No.: "	Calibration Date: "
Barometric Pressure Standard Used:	Model: "	Serial No.: "	Calibration Date: "

Leak Check Value: as found: 0.6 Should Be: <1.0 as left: 0.5 Should Be: <1.0

		BAM	Ref. Std.		BAM	Ref. Std.		
Ambient Temperature (°C):	as found:	18.4	19.2	as left:	19.0	19.10	Adjusted	
Barometric Pressure (mmHg):	as found:	653	651.5	as left:	651	651.5	Adjusted	X
Flow Rate (15.0 LPM):	as found:	15.0	15.09	as left:	15.0	14.96	Adjusted	X
Flow Rate (18.4 LPM):	as found:	18.4	18.48	as left:	18.4	18.35	Adjusted	X
Flow Rate (16.7 LPM):	as found:	16.7	16.71	as left:	16.7	16.68	Adjusted	

Audit Notes:
10·25·17 – Power
10·24·17 – Maint.
10·17·17 – Power
9·28·17 – Maint.
9·10·17 – Power
8·30·17 – Power
8·28·17 – Maint
8·28·17 – Power
8·27·17 – Power
8-25-17 – Count fail
8·13·17 – Power

Mechanical Audits

Pump muffler unclogged:	As found	X	As left		PM_{10} particle trap clean:	As found		As left	X	N/A	
Sample nozzle clean:	As found		As left	X	PM_{10} drip jar empty:	As found	X	As left	X	N/A	
Tape support vane clean:	As found		As left	X	PM_{10} bug screen clear:	As found		As left	X	N/A	
Capstan shaft clean:	As found		As left	X	$PM_{2.5}$ particle trap clean:	As found		As left	X	N/A	
Rubber pinch rollers clean:	As found		As left	X	Inlet tube water-tight seal OK:	As found	X	As left	X		
Chassis ground wire installed:	As found	X	As left		Inlet tube perpendicular to BAM:	As found	X	As left	X		

Signature:

East Plant

SO_2 Multipoint Audit
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. ATTRIDGE	Teledyne API T100 SO_2 Analyzer S/N	193	Multipoint Start Time	1120
	Teledyne API T700 Transfer Standard Dilution Calibrator S/N	816	Multipoint Stop Time	1329
Date: 11-1-2017			T100 Analyzer Range	500
	NIST-Traceable Gas Conc. EXP DATE 3-2-20	SO2 39.4 ppm	Shelter Temperature (20-30°C)	21.1

Multipoint Audit (Quarterly, or as needed):

Assess the accuracy of data generated by the analyzer using consecutive concentrations representative of the ambient concentrations measured using the Transfer Standard Dilution Calibrator.

Shelter Temperature Standard Measurement (°C): 21.3 (± 2 °C of the Standard)

Temp. STD Model: DeltaCal S/N: 1103 Cal Date: 3-15-17

Analyzer Sample Flow Standard Measurement (cc/min): 617 (550 ± 10% cc/min)

Flow STD Model: BIOS S/N: 115242 Cal Date: 8-11-17

Transfer Standard:

Target (ppb)	Actual Generated SO_2 (ppb)	SO_2 Response (ppb)	Best Fit Line (ppb)	Acceptable Criteria (± 2% from BFL)
Zero Air	0.0	0.998	0.0	PASS < 2%
20	21	21.4	21.2	PASS 1.1%
40	41	41.1	41.3	PASS 0.5%
60	61	61.5	61.5	PASS 0.1%
80	80	80.4	80.6	PASS 0.3%
100	100	100.9	100.8	PASS 0.1%

Best Fit Line (BFL)

$Y = 1.0075x + 0.0058$

$R^2 = 0.99999$

Analyzer Parameters

Sample Flow (550 ± 10%)	619	Sample Press. (Ambient ± 2 in-Hg)	26.0	Span Gas Tank Pressure (psi)	1900
UV Lamp (1000 - 4800 mV)	4404	Lamp Ratio (30 - 120%)	116.4	Span Gas Regulator Flow (psi)	20
Slope (1 ± 0.3)	0.872	BOX Temp. (Ambient ± 5°C)	31.6	Zero Air Generator Pressure (psi)	28
Offset (< 250 mV)	33.5	HVPS (400 - 900 V)	603	*Dilution Calibrator Flow (lpm)	3.984

* Document actual value during span activities.

Operator Comments:

Operator Signature:

East Plant

NO_X Multipoint Audit
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. ATTRIDGE	Teledyne API T200 NO_X Analyzer S/N	197	Multipoint Start Time	1120
	Teledyne API T700 Transfer Standard Dilution Calibrator S/N	816	Multipoint Stop Time	1431
Date: 11-1-2017			T200 Analyzer Range	500
	NIST-Traceable Audit Gas Conc. EXP DATE = 2-16-18	NO 89.9 ppm	Shelter Temperature (20-30°C)	19.6

Multipoint Audit (Quarterly, or as needed):

Assess the accuracy of data generated by the analyzer using consecutive concentrations representative of the ambient concentrations measured using the Transfer Standard Dilution Calibrator.

Shelter Temperature Standard Measurement (°C): 20.2 (± 2 °C of the Standard)

Temp. STD Model: DeltaCal S/N: 1103 Cal Date: 3-15-17

Analyzer Sample Flow Standard Measurement (cc/min): 497 (500 ± 50 cc/min)

Flow STD Model: BIOS S/N: 115242 Cal Date: 11-AUG-17

Transfer Standard:

Target (PPB)	Actual Generated T200 (PPB)	NO Response	NO_2 Response	NO_X Response	Best Fit Line	Acceptable Criteria (± 2% from BFL)
Zero Air	0	-0.8	1.5	1.40	0.7	PASS 0 ± 5
20	21	19.6	1.8	21.6	21.4	P 0.7%
40	41	39.9	0.5	40.4	41.2	P 1.9%
60	61	58.9	1.0	59.9	61.0	P 1.7%
80	81	78.5	2.6	81.1	80.7	P 0.5%
100	100	97.4	2.6	100.1	99.5	P 0.6%

Best Fit Line (BFL)

$Y = 0.9877x + 0.7081$

$R^2 = 0.99959$

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	495	Moly Temp. (315 ± 5°C)	315.0	Span Gas Tank Pressure (psi)	1900
Ozone Flow (80 ± 15 cc/min)	80	HVPS (400 - 900 V)	674	Span Gas Regulator Flow (psi)	20.2
NO_X Slope (1 ± 0.3)	0.635	NO Slope (1 ± 0.3)	0.633	Zero Air Generator Pressure (psi)	29.9
NO_X Offset (-20 to 150)	8.1	NO Offset (-20 to 150)	3.4	*Dilution Calibrator Flow (lpm)	4.008

* Document actual value during span activities.

Operator Comments:

Zero Results could be better,
Zero calibrations results should
include flow like inspections

Operator Signature: R Attridge

East Plant

O_3 Multipoint Audit
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. ATTRIDGE	Teledyne API T400 O_3 Analyzer S/N	224	Multipoint Start Time	1120
	Teledyne API T700 Transfer Standard Dilution Calibrator S/N	816	Multipoint Stop Time	1225
Date: 11-1-2017			T400 Analyzer Range	500
			Shelter Temperature (20-30°C)	19.5

Multipoint Audit (Quarterly, or as needed):

Assess the accuracy of data generated by the analyzer using consecutive concentrations representative of the ambient concentrations measured using the Transfer Standard Dilution Calibrator.

Shelter Temperature Standard Measurement (°C): 19.4 (± 2 °C of the STD)

Temp. STD Model: DeltaCal S/N: 1103 Cal Date: 3-15-17

Sample Flow Standard Measurement (cc/min): 768 (800 ± 80 cc/min)

Flow STD Model: BIOS S/N: 11542 Cal Date: 8.11.17

Transfer Standard:

Target (ppb)	Actual Generated O_3 (ppb)	O_3 Response (ppb)	Best Fit Line (ppb)	Acceptable Criteria (± 2% from BFL)
Zero Air	0.0	-0.1	-0.3	PASS <2% FS
30	31	30.6	30.9	PASS 1.1%
60	60	60.3	61.2	PASS 1.4%
80	80	80.0	80.3	PASS 0.4%
100	100	100.8	101.5	PASS 0.7%
120	120	121.4	120.6	PASS 0.6%

Best Fit Line (BFL)

$Y = 1.0078x + -0.311$

$R^2 = 0.99986$

Analyzer Parameters

Sample Flow (800 ± 80 cc/min)	770	Sample Temp. (10 - 50°C)	38.1	Zero Air Generator Pressure (psi)	28
Photo Lamp (58 ± 1°C)	58.0	BOX Temp. (10 to 50°C)	27.5	*Dilution Calibrator Flow (lpm)	3.895
Slope (1 ± 0.15)	1.042	O_3 Measure (2500 - 4800 mV)	3363		
Offset (0.0 ± 5 ppb)	-3.1	O_3 Reference (2500 - 4800 mV)	3366		

* Document actual value during span activities.

Operator Comments:

Operator Signature:

Appendix C – Hewitt Station Audit Forms

Hewitt Station
SoDAR System Audit
Resolution Copper Company

Date: 11/1/2017 Time: 08:53 Auditor: R. Attridge

SoDAR System

Instrument	SoDAR
Instrument Model	WE
Instrument Serial Number	3002
Rotation Angle Measured	105
Declination	10.1 EAST
Latitude/Longitude (Deg)	33.2978/-111.2114
Elevation (ft)	2,336

SoDAR System Status

SoDAR System	System Status As Found	System Status As Left
Battery Voltage (V)	12.58	12.64
Ambient Temp °C	19.25	20.01
Heater ON or OFF as Found	OFF	OFF
Generator ON or OFF as Found	OFF	OFF
Rain Detection YES or NO	NO	NO
Snow Detection YES or NO	NO	NO
Antenna Status	OK	OK
Speaker Array	OK	OK
Rotation Angle	105	105
System Level (< 0.5°)	Pitch -0.2, Roll -0.3	Pitch -0.2, Roll -0.3
Fuel Level	Empty ¼ ½ ¾ Full	Empty ¼ ½ ¾ Full
Date / Time	11/01/2017 16:53	11/01/2017 09:18

SoDAR Siting and Exposure

Azimuth Angle (Deg.)			
Magnetic	**True**	**Terrain Elevation (ft)**	**Features / Distance (meters)**
—	**0**	2,268	House on Hilltop / ~ 117m
—	**30**	2,246	Horse Corral / ~ 2m Loafing Shed / ~ 50m
—	**60**	2,245	Cluster of Small Outbuildings / ~ 60m
—	**90**	2,242	Surface Vegetation, Scrub Brush / ~ 70m
—	**120**	2,243	Barn / 102m
—	**150**	2,235	Meteorological Tower / ~ 60m
—	**180**	2,225	Rural Dirt Road / ~ 150m
—	**240**	2,252	Hilltop / ~ 211m
—	**270**	2,227	Surface Vegetation, Scrub Brush / ~ 135m
—	**300**	2,218	Creek Bottom / ~ 187m
—	**330**	2,278	Hilltop / ~ 227m

Comments/Unusual Occurrences: Generator failed to start, generator code states "Services required". SoDAR clock was 8hrs off as found.

Auditor Signature: Roy Attridge

Appendix D – Standards and Certifications

CERTIFICATION OF CALIBRATION

This instrument has been calibrated using standards maintained at Teledyne API (9970 Carroll Canyon Road, San Diego, CA 92131, USA), which are traceable to the United States National Institute of Standards and Technology. This calibration was performed to Teledyne API specifications. Supporting documentation relative to traceability is on file at this office, and is available for examination at Teledyne API upon request.

CERTIFICATION OF:

Model: T700
Part Number: 070700000
Serial Number: 816

CAL DATE: 02/13/2017
DUE DATE: 02/12/2018

CERTIFICATION LEVEL

RESTRICTED ☐ (see below)
INTERIM ☐
FINAL ☒

RMA NUMBER: 15677

SERVICE ORDER NUMBER: 15032

AS RECEIVED CONDITION:

☐ Item received in calibration ☐ Item is out of calibration

As found condition (test data):

CALIBRATION DATA: This certifies that the above referenced instrument meets or exceeds all design specifications. Testing has been performed using instruments calibrated by an independent party using a NIST-traceable SRP ozone analyzer for the assay of ozone as described in 40CFR50, Appendix D. It is maintained as a certified transfer standard according to the guidelines described in EPA's Technical Assistance Documents: Transfer Standards for the Calibration of Air Monitoring Analyzers for Ozone (EPA-600/4-79-056), September 1979, and Technical Assistance Document for the Calibration of Ambient Ozone Monitors (EPA-600/4-79-057), September 1979 for concentrations at or below 1 ppm. Instrument readings in excess of 1 ppm are extrapolated. This transfer standard is periodically verified against an NIST Standard Reference Photometer. Specific data are available upon request.

Environmental Conditions At Time Of Calibration: 65-75 °F, RH = 20-80%
If calibration is restricted, specify restriction: NO RESTRICTION

Test Data @ 1000 PPB Full Scale		
Input	**Measured**	**% Deviation (≤ 1%)**
900	901.7	0.17
740	740.7	0.07
420	420.5	0.05
260	260.4	0.04
90	90.6	0.06
50	50.6	0.06
0	0.5	0.05
% Deviation = ((Measured - Input) / Full Scale) *100		

Test and Measuring Equipment Used:

Model Number	Serial Number / Asset Number	Calibration Date	Calibration Due
400	0071 / EL0000209	07/08/2016	07/07/2017

PERFORMED BY: **DATE** 2-13-17

APPROVED BY: **DATE** 2-13-17

TRANSFER STD
Audit GAS

PRAXAIR

Praxair
5700 South Alameda Street
Los Angeles, CA 90058
Tel: (323) 585-2154 Fax:(714) 542-6689
PGVPID: F22017

DocNumber: 000104735

CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

Customer & Order Information:

PRAXAIR PKG PHOENIX AZ HS
3918 W LINCOLN ST
PHOENIX AZ 85009

Praxair Order Number: 70193533
Customer P. O. Number:
Customer Reference Number:

Fill Date: 2/18/2017
Part Number: EV NINOSDE250AS
Lot Number: 109704902
Cylinder Style & Outlet: AS CGA 660
Cylinder Pressure & Volume: 2000 psig 140 cu. ft.

Certified Concentration:

Expiration Date:	3/2/2020	NIST Traceable
Cylinder Number:	CC362426	Analytical Uncertainty:
39.9 ppm	NITRIC OXIDE	± 0.7 %
39.4 ppm	SULFUR DIOXIDE	± 1 %
Balance	NITROGEN	

NOx = 40.0 ppm **NOx for Reference Only**

Certifcation Information: *Certification Date:* 3/2/2017 *Term:* 36 Months *Expiration Date:* 3/2/2020

This cylinder was certified according to the 2012 EPA Traceability Protocol, Document #EPA-600/R-12/531, using Procedure G1. Do Not Use this Standard if Pressure is less than 100 PSIG.

Analytical Data: *(R=Reference Standard, Z=Zero Gas, C=Gas Candidate)*

1. Component: NITRIC OXIDE

Requested Concentration: 40 ppm
Certified Concentration: 39.9 ppm
Instrument Used: Thermo Electron 42i-LS S/N 1030645077
Analytical Method: Chemiluminescence
Last Multipoint Calibration: 2/16/2017

Reference Standard Type: GMIS
Ref. Std. Cylinder # : CC30828
Ref. Std. Conc: 50.77 ppm
Ref. Std. Traceable to SRM # : vs. 1683b
SRM Sample # : 45-V-42
SRM Cylinder # : CAL017897

First Analysis Data:							Date: 2/23/2017
Z: 0	R: 50.8	C: 39.7	Conc: 39.677				
R: 50.8	Z: 0	C: 39.7	Conc: 39.677				
Z: 0	C: 39.8	R: 50.8	Conc: 39.776				
UOM: ppm		Mean Test Assay: 39.71 ppm					

Second Analysis Data:							Date: 3/2/2017
Z: 0	R: 50.8	C: 40.2	Conc: 40.176				
R: 50.8	Z: 0	C: 40	Conc: 39.976				
Z: 0	C: 40	R: 50.8	Conc: 39.976				
UOM: ppm		Mean Test Assay: 40.043 ppm					

2. Component: SULFUR DIOXIDE

Requested Concentration: 40 ppm
Certified Concentration: 39.4 ppm
Instrument Used: Ametek 921CE S/N AW-921-S321
Analytical Method: Ultraviolet Absorption
Last Multipoint Calibration: 2/14/2017

Reference Standard Type: NTRM
Ref. Std. Cylinder # : CC72593
Ref. Std. Conc: 48.58 ppm
Ref. Std. Traceable to SRM # : n/a
SRM Sample # : 12070103
SRM Cylinder # : N/A

First Analysis Data:							Date: 2/23/2017
Z: 0	R: 48.3	C: 39.3	Conc: 39.501				
R: 48.4	Z: 0	C: 39.3	Conc: 39.501				
Z: 0	C: 39.2	R: 48.3	Conc: 39.4				
UOM: ppm		Mean Test Assay: 39.467 ppm					

Second Analysis Data:							Date: 3/2/2017
Z: 0	R: 48.5	C: 39.3	Conc: 39.365				
R: 48.5	Z: 0	C: 39.3	Conc: 39.365				
Z: 0	C: 39.3	R: 48.5	Conc: 39.365				
UOM: ppm		Mean Test Assay: 39.365 ppm					

Analyzed by: Henry Koung
Henry Koung

Certified by: Jack Fung
Jack Fung

Information contained herein has been prepared at your request by qualified experts within Praxair Distribution, Inc. While we believe that the information is accurate within the limits of the analytical methods employed and is complete to the extent of the specific analyses performed, we make no warranty or representation as to the suitability of the use of the information for any purpose. The information is offered with the understanding that any use of the information is at the sole discretion and risk of the user. In no event shall the liability of Praxair Distribution, Inc., arising out of the use of the information con tained herein exceed the fee established for providing such information.

Primary Std

Cal Gas

PRAXAIR

Praxair
5700 South Alameda Street
Los Angeles, CA 90058
Tel: (323) 585-2154 Fax:(714) 542-6689
PGVPID: F22017

DocNumber: 000104736

CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

Customer & Order Information:

PRAXAIR PKG PHOENIX AZ HS
3918 W LINCOLN ST
PHOENIX AZ 85009

Praxair Order Number: 70193533
Customer P. O. Number:
Customer Reference Number:

Fill Date: 2/18/2017
Part Number: EV NINOSDE250AS
Lot Number: 109704902
Cylinder Style & Outlet: AS CGA 660
Cylinder Pressure & Volume: 2000 psig 140 cu. ft.

Certified Concentration:

Expiration Date:	3/2/2020	NIST Traceable
Cylinder Number:	CC3509	Analytical Uncertainty:
40.3 ppm	NITRIC OXIDE	± 0.7 %
39.8 ppm	SULFUR DIOXIDE	± 1 %
Balance	NITROGEN	

NOx = 40.4 ppm **NOx for Reference Only**

Certifcation Information: *Certification Date:* 3/2/2017 *Term:* 36 Months *Expiration Date:* 3/2/2020

This cylinder was certified according to the 2012 EPA Traceability Protocol, Document #EPA-600/R-12/531, using Procedure G1. Do Not Use this Standard if Pressure is less than 100 PSIG.

Analytical Data: *(R=Reference Standard, Z=Zero Gas, C=Gas Candidate)*

1. Component: NITRIC OXIDE

Requested Concentration: 40 ppm
Certified Concentration: 40.3 ppm
Instrument Used: Themo Electron 42i-LS S/N 1030645077
Analytical Method: Chemiluminescence
Last Multipoint Calibration: 2/16/2017

First Analysis Data: **Date:** 2/23/2017

Z:	0	R:	50.8	C:	40.3	Conc:	40.276
R:	50.8	Z:	0	C:	40.2	Conc:	40.176
Z:	0	C:	40.2	R:	50.8	Conc:	40.176

UOM: ppm **Mean Test Assay:** 40.21 ppm

Reference Standard Type: GMIS
Ref. Std. Cylinder # : CC30828
Ref. Std. Conc: 50.77 ppm
Ref. Std. Traceable to SRM # : vs. 1683b
SRM Sample # : 45-V-42
SRM Cylinder # : CAL017897

Second Analysis Data: **Date:** 3/2/2017

Z:	0	R:	50.8	C:	40.6	Conc:	40.576
R:	50.8	Z:	0	C:	40.4	Conc:	40.376
Z:	0	C:	40.4	R:	50.8	Conc:	40.376

UOM: ppm **Mean Test Assay:** 40.443 ppm

2. Component: SULFUR DIOXIDE

Requested Concentration: 40 ppm
Certified Concentration: 39.8 ppm
Instrument Used: Ametek 921CE S/N AW-921-S321
Analytical Method: Ultraviolet Absorption
Last Multipoint Calibration: 2/14/2017

First Analysis Data: **Date:** 2/23/2017

Z:	0	R:	48.3	C:	39.6	Conc:	39.802
R:	48.4	Z:	0	C:	39.7	Conc:	39.903
Z:	0	C:	39.6	R:	48.3	Conc:	39.802

UOM: ppm **Mean Test Assay:** 39.836 ppm

Reference Standard Type: NTRM
Ref. Std. Cylinder # : CC72593
Ref. Std. Conc: 48.58 ppm
Ref. Std. Traceable to SRM # : n/a
SRM Sample # : 12070103
SRM Cylinder # : N/A

Second Analysis Data: **Date:** 3/2/2017

Z:	0	R:	48.5	C:	39.7	Conc:	39.765
R:	48.5	Z:	0	C:	39.8	Conc:	39.866
Z:	0	C:	39.8	R:	48.5	Conc:	39.866

UOM: ppm **Mean Test Assay:** 39.832 ppm

Analyzed by: Henry Kaung (Henry Kaung)

Certified by: (Jack Fu)

Information contained herein has been prepared at your request by qualified experts within Praxair Distribution, Inc. While we believe that the information is accurate within the limits of the analytical methods employed and is complete to the extent of the specific analyses performed, we make no warranty or representation as to the suitability of the use of the information for any purpose. The information is offered with the understanding that any use of the information is at the sole discretion and risk of the user. In no event shall the liability of Praxair Distribution, Inc., arising out of the use of the information con tained herein exceed the fee established for providing such information.

Mesa Labs 10 Park Place Butler, NJ 07405
NIST Traceable Calibration Facility, ISO 9001:2008 Registered

CERTIFICATE OF CALIBRATION - NIST TRACEABILITY

(Refer to instruction manual for further details of calibration)

deltaCal Serial Number: **1103** DATE: 15-Mar-2017

Calibration Operator: P.Pitty

Critical Venturi Flow Meter: Max Uncertainity = 0.346%
Serial Number: 1A *CEESI NVLAP NIST Data File 07BGI-0001*
Serial Number: 2A *CEESI NVLAP NIST Data File 07BGI-0003*
Serial Number: 5C COX Nist Data File CCAL33222 - 5 C
Serial Number: 4A *CEESI NVLAP NIST Data File 07BGI-0002*
Serial Number: 3A *CEESI NVLAP NIST Data File 07BGI-0004*

Room Temperature: +- 0.03°C from -5°C - 70°C Room Temperature: 23.5 °C
Brand: Telatemp Serial Number: 300907
Std Cal Date 18-May-16 Std Cal Due Date 18-May-17
deltaCal:
Ambient Temperature (set): 23.5 °C
Aux (filter) Temperature (set): 23.5 °C

Barometric Pressure ans Absolute Pressure
Vaisala Model PTB330(50-1100) Digital Accuracy: 0.03371%
Serial Number: HO850001
Std Cal Date 28-Mar-16 Std Cal Due Date 28-Mar-17
deltaCal:
Barometric pressure (set): 740.5 mm of Hg

Results of Venturi Calibration
Flow Rate (Q) vs. Pressure Drop (ΔP). Where: Q=Lpm, ΔP= Cm of H2O

Q= 4.01148 ΔP ^ 0.51440 Overall Uncertainty: 0.35%
Q= 3.91723 ΔP ^ 0.52103 Overall Uncertainty: 0.35%

Date Placed In Service_____
(To be filled in by operator upon receipt)
Recommended Recalibration Date _____
(12 months from date placed in service)

Revised: March 2016
Cal102-01T2 Rev F

To Check a deltaCal

15-Mar-17 P.Pitty

1.5-19.5

VER 4.00P

BP= 740.5 mm of Hg

Maximum allowable error at any flow rate is .75%.

Serial No. 1103

	Reading Abs. P Crit. Vent. mm of Hg	Room Temp	CV Qa Flow Lpm	Qa deltaCal Indicated	% Error
# 2	134.27	23.50	1.535	1.537	**0.15**
	221.28	23.50	2.561	2.563	**0.08**
	300.64	23.50	3.497	3.495	**-0.06**
	510.43	23.60	5.974	5.968	**-0.10**
	565.09	23.60	6.619	6.626	**0.11**
#1	182.70	24.00	7.383	7.410	**0.36**
	253.48	24.00	10.304	10.315	**0.11**
	332.03	24.00	13.545	13.549	**0.03**
	405.30	24.00	16.568	16.572	**0.02**
	476.52	24.00	19.507	19.547	**0.21**
				Average %	**0.09**

MesaLabs

NVLAP Lab Code 200661-0

Calibration Certificate

CertificateNo.	182030	**Sold To:**	Air Sciences, Inc.
Product	200-520M Defender 520 Medium Flow		150 Capital Drive Ste 320
Serial No.	115242		Golden, CO 80401
Cal. Date	11-Aug-2017		US

All calibrations are performed at Mesa Laboratories, Inc., 10 Park Place, Butler, NJ, 07405, an ISO 17025:2005 accredited laboratory through NVLAP of NIST. This report shall not be reproduced except in full without the written approval of the laboratory. Results only relate to the items calibrated. This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

As Received Calibration Data

Technician	Sonia Otero	**Lab. Pressure**	757 mmHg
		Lab. Temperature	22.3 °C

Instrument Reading	Lab Standard Reading	Deviation	Allowable Deviation	As Received
4872.47 ccm	4849.08 ccm	0.48%	1.00%	In Tolerance
1094.74 ccm	1092.87 ccm	0.17%	1.00%	In Tolerance
287.52 ccm	287.92 ccm	-0.14%	1.00%	In tolerance
21.8 °C	22 °C	-	± 0.8°C	In Tolerance
756 mmHg	757 mmHg	-	± 3.5 mmHg	In Tolerance

Mesa Laboratories Standards Used

Description	Standard Serial Number	Calibration Date	Calibration Due Date
ML 500-24	113774	01-May-2017	01-May-2018
Percision Thermometer	305460	20-Sep-2016	20-Sep-2017
Precision Barometer	2981392	21-Jul-2017	21-Jul-2018

MesaLabs

NVLAP Lab Code 200661-0

As Shipped Calibration Data

Certificate No	182030	**Lab. Pressure**	756 mmHg
Technician	Sonia Otero	**Lab. Temperature**	22.3 °C

Instrument Reading	Lab Standard Reading	Deviation	Allowable Deviation	As Shipped
4503 ccm	4510.45 ccm	-0.17%	1.00%	In Tolerance
1004.1 ccm	1004.15 ccm	0.0%	1.00%	In Tolerance
251.17 ccm	251.4 ccm	-0.09%	1.00%	In Tolerance
22.1 °C	22.1 °C	-	± 0.8°C	In Tolerance
756 mmHg	756 mmHg	-	± 3.5 mmHg	In Tolerance

Mesa Laboratories Standards Used

Description	Standard Serial Number	Calibration Date	Calibration Due Date
ML-500-24	113775	18-Apr-2017	18-Apr-2018
Precision Thermometer	305460	20-Sep-2016	20-Sep-2017
Precision Barometer	2981392	21-Jul-2017	21-Jul-2018

Calibration Notes

The expanded uncertainty of flow, temperature, and pressure measurements all have a coverage factor of k = 2 for a confidence interval of approximately 95%.

Flow testing is in accordance with our test number PR18-13 with an expanded uncertainty of 0.27% using high-purity nitrogen or filtered laboratory air.

Pressure testing is in accordance with our test number PR18-11 with an expanded uncertainty of 0.16 mmHg.

Temperature testing is in accordance with our test number PR18-12 with an expanded uncertainty of 0.04 °C.

Traceability to the International System of Units (SI) is verified by accreditation to ISO/IEC 17025 by NVLAP under NVLAP Code 200661-0.

Technician Notes:

By:

Louis Guido
Chief Metrologist
Mesa Laboratories, Inc., Butler, NJ