AIR SCIENCES INC.

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

April 1 – June 30, 2015

PREPARED FOR:
RESOLUTION COPPER
A MEMBER OF RIO TINTO GROUP

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1.0 INTRODUCTION

This report summarizes the meteorological, upper air, 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 second quarter, April 1 – June 30, 2015. Monitoring was performed in accordance with the *Resolution Copper Mining Monitoring Plan, November 2011* (approved by the Pinal County Air Quality Control District [PCAQCD] on November 15, 2011).

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 to be used to support RCML's application to the PCAQCD for air permit(s).

1.1 Location

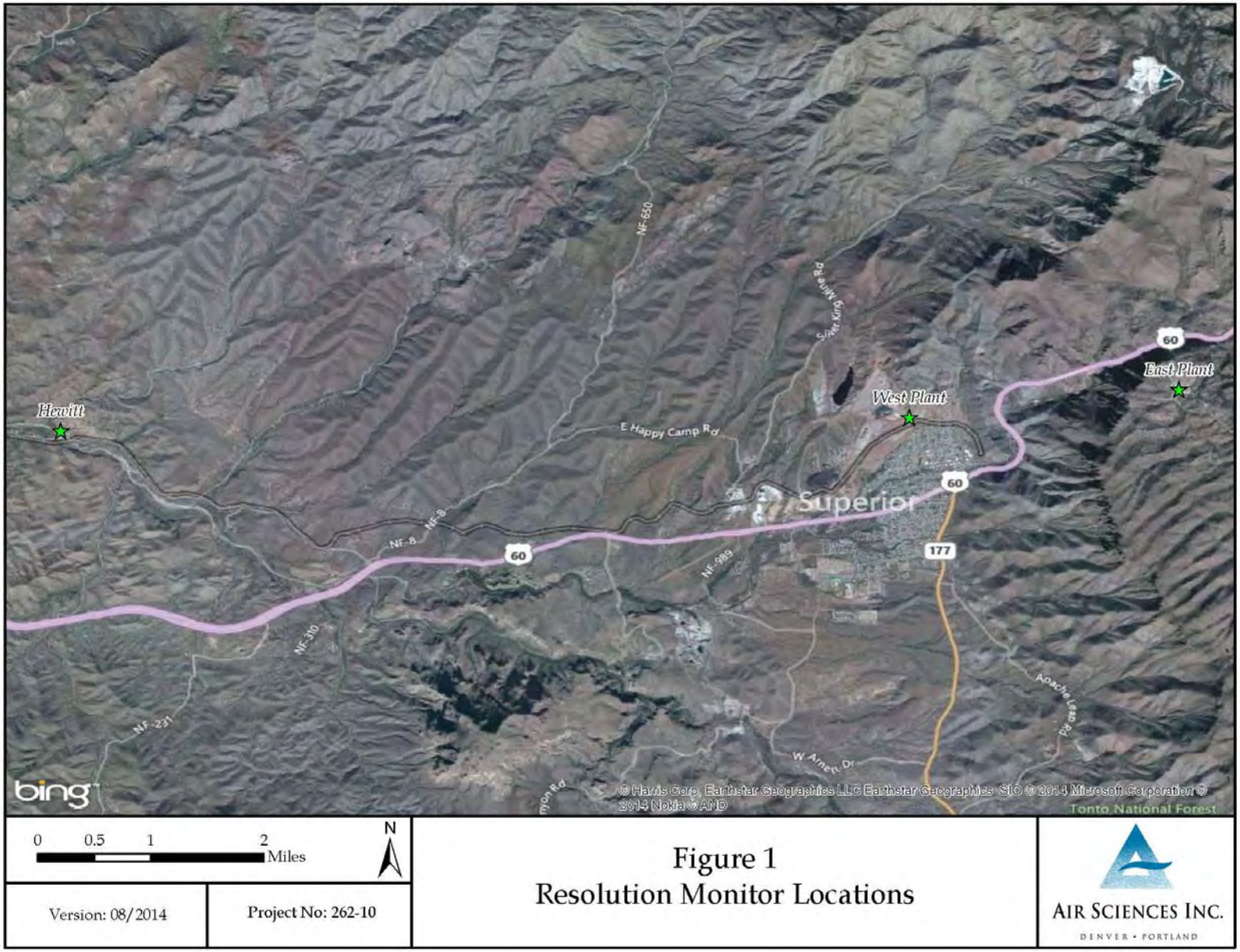
The Resolution Copper Project is located near Superior, Arizona. Currently there are three monitoring stations. The East Plant station is located at the main project site, east of Superior. The West Plant station is located at RCML's facilities directly north of Superior, Arizona. The Hewitt station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

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

Table 1. Monitoring Station Locations

Station	Location	Latitude (Deg)	Longitude (Deg)	Elevation (ft)	Method of Determination
East Plant	S32 T1S R13E	33.3030	-111.0676	4,199	GPS
West Plant	S35 T1S R12E	33.2994	-111.1021	2,949	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

Figure 1. Resolution Monitoring Stations Locations



1.2 Monitoring Program Description

Meteorological sensors and air quality instrumentation at the East Plant and West Plant 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. Instrumentation for all three sites are listed by height, from ground level, in Table 2.

Table 2. Sensors and Heights

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

*Federal Equivalent Method

1.2.1 Meteorological and Upper Air Data

Meteorological data are recorded by a 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 and upper-air data from April 1 through June 30, 2015.

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 Quality Assurance Project 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 April 1 through June 30, 2015.

Level 1 zero and span calibrations and Level 2 zero and span verifications are conducted by the site operator every two weeks or as needed. Second-party audits, adjustments, and general maintenance on the NO_2 monitor are performed according to the guidelines outlined in the Quality Assurance Project 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 April 1 through June 30, 2015.

Level 1 zero and span calibrations and Level 2 zero and span verifications are conducted by the site operator every two weeks or as needed. Second-party audits, adjustments, and general maintenance on the SO_2 monitor are performed according to the guidelines outlined in the Quality Assurance Project 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 April 1 through June 30, 2015.

Level 1 zero and span calibrations and Level 2 zero and span verifications are conducted by the site operator every two weeks or as needed. Second-party audits, adjustments, and general maintenance on the O_3 monitor are performed according to the guidelines outlined in the Quality Assurance Project Plan.

1.2.5 PM Data

PM_{10} and $PM_{2.5}$ are measured at both the East Plant and West Plant using Met One Instruments' Beta Attenuation Monitors (BAM). At each site, one BAM is configured as a $PM_{2.5}$ Federal Equivalent Method (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 April 1 through June 30, 2015.

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 Quality Assurance Project Plan.

2.0 DATA RECOVERY RATES

Data recovery rates for all parameters are presented in Table 3. Meteorological data recoveries are calculated by dividing the amount of valid hourly averages by the available hourly periods in the quarter. Air quality and particulate data recoveries are calculated by dividing the amount of valid 24-hour averages (for PM_{10}, $PM_{2.5}$), valid 24-hour maximum value (for SO_2, NO_2), or valid daily rolling 8-hour maximum (O_3) values by the number of days in the quarter. Particulate and air quality 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, East Plant and West Plant
April 1 – June 30, 2015
(percent)

	East Plant		West Plant		Hewitt		
Parameter*	**Recorded Observations**	**Recovery Rate**	**Recorded Observations**	**Recovery Rate**	**Recorded Observations**	**Recovery Rate**	**Minimum Required Recovery Rate**
Meteorological							
Wind speed (10 m)	2,184	100	2,184	100	2,001	91.6	90
Wind direction (10 m)	2,184	100	2,184	100	2,001	91.6	90
Temperature (2 m)	2,184	100	2,184	100	2,001	91.6	90
Delta temperature	2,184	100	2,184	100	2,001	91.6	90
Relative humidity	2,184	100	2,184	100	2,001	91.6	90
Barometric pressure	2,184	100	2,184	100	2,001	91.6	90
Precipitation	2,184	100	2,184	100	2,001	91.6	90
Solar radiation	2,184	100	2,184	100	2,001	91.6	90
SoDAR							
Wind speed (3 - 190 m)					2,110 - 2,135	96.6 - 97.8	90
Wind direction (3 - 190 m)					2,110 - 2,135	96.6 - 97.8	90
NO_2	26	28.6	--	--			75
O_3	91	100	--	--			75
SO_2	84	92.3	--	--			75
PM_{10}	91	100	91	100			75
$PM_{2.5}$	85	93.4	89	97.8			75

*Meteorological parameters are observed hourly (2,184 hours in this period).
NO_2, O_3, SO_2, and PM parameters are observed every 24 hours (91 days in this period).

2.1 Data Loss

2.1.1 Meteorological Data Loss

2.1.1.1 East Plant

No meteorological data were invalidated at the East Plant station for this quarter.

2.1.1.2 West Plant

No meteorological data were invalidated at the West Plant station for this quarter.

2.1.1.3 Hewitt Station

Between April 7 and April 14, 2015, 731 hours of meteorological data are missing. During that time the site experienced communication problems and the cause of the missing data is unknown at this time.

2.1.2 NO_2 Data Loss

NO_2 24-hour maximum data were invalidated from April 1, to April 7, 2015 and from April 23 to May 7, 2015, due to analyzer calibration drift; and from May 7, to May 20, 2015 and from May 27, June 25, 2015 due to analyzer errors.

Additional invalid hourly NO_2 data were due to maintenance, Level 1 and Level 2 zero/span checks, an audit performed on April 6, 2015, and a calibration performed on April 7, 2015.

2.1.3 SO_2 Data Loss

SO_2 24-hour maximum data were invalidated from April 1, to April 7, 2015, due to analyzer calibration drift and an audit and calibration performed by Air Sciences.

Additional invalid hourly SO_2 data were due to Level 1 and Level 2 zero/span checks.

2.1.4 O_3 Data Loss

No O_3 rolling 8-hour maximum data were invalidated for the quarter.

Invalid hourly O_3 data were due to Level 1 and Level 2 zero/span checks, maintenance, an audit performed on April 6, 2015, and a calibration performed on April 7, 2015.

2.1.5 PM Data Loss

2.1.5.1 East Plant

Two hours of PM_{10} data were invalidated for April 6, due to maintenance and an audit performed by Air Sciences.

Hourly and 24-hour average $PM_{2.5}$ data were missing from May 15 to May 20, 2015 due to the unit being left in maintenance mode. Two hours of $PM_{2.5}$ data were invalidated on April 6, 2015, due to maintenance and an audit performed by Air Sciences.

Additional invalid hourly PM data at the East Plant were due to monthly flow verifications, regularly scheduled maintenance, power outages, and internal instrument errors.

2.1.5.2 West Plant

No 24-hour average PM_{10} data were invalidated for this quarter. Five hours of PM_{10} data were invalidated on April 8, 2015, due to maintenance and an audit performed by Air Sciences.

Hourly and 24-hour average $PM_{2.5}$ data were invalidated on April 18, and April 23, 2015, due to flow errors. Four hours of $PM_{2.5}$ data were invalidated on April 8, 2015, due to maintenance and an audit performed by Air Sciences.

Additional invalid hourly PM data at the West Plant were due to monthly flow verifications, regularly scheduled maintenance, power outages, and internal instrument errors.

2.2 Quality Control

Quality assurance, equipment calibration, and audit procedures are 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-13-003, May 2013)
- 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 (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. The most recent audits of the meteorological stations occurred between January 26, and January 28, 2015. Audits and/or calibrations of the ambient air quality monitors and analyzers are required every three months. At the East and West Plant, Air Sciences performed audits of the particulate monitors on April 6, and April 8, 2015, respectively. Audits and calibrations of the air quality analyzers at East Plant occurred on April 6 and April 7, 2015, respectively. Site checks on the meteorological sensors, particulate instruments, and gas analyzers continue to be conducted on a weekly basis. Copies of the audit/calibration report, flow verifications, and site check forms can be found in Appendices D-I.

Figure 2. Dates of Site Checks, Audits, and Calibrations
April 1- June 30, 2015

3.0 METEOROLOGICAL DATA SUMMARY AND DISCUSSION

3.1 Meteorological Data Summary

Meteorological and upper-air data from the second quarter have been compiled and summarized in graphical and tabular form. Meteorological and upper-air summary sheets (Figure 3 through Figure 4) are comprised of the following:

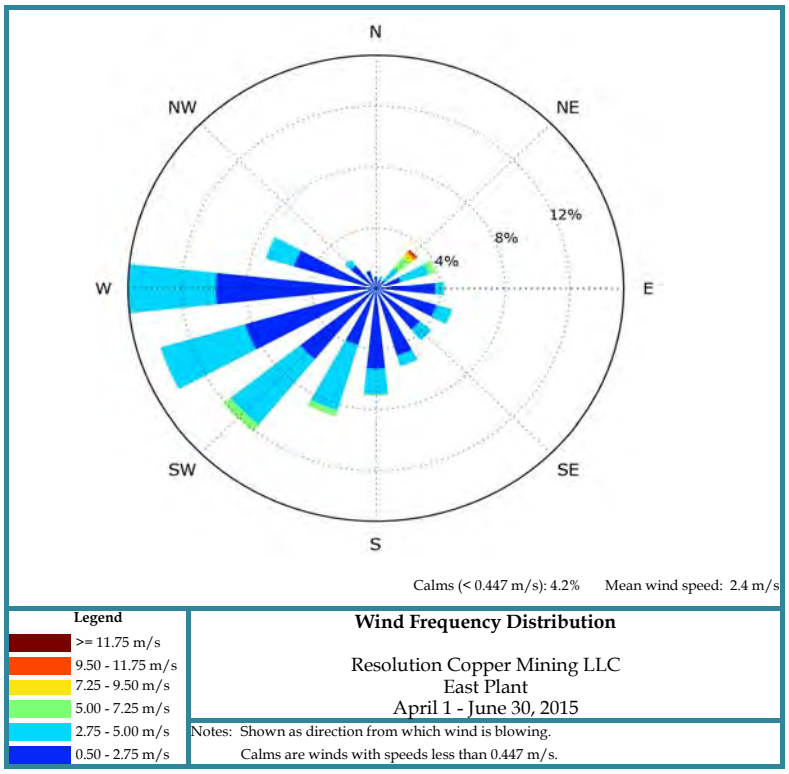
Wind Rose – Graphically depicts the percentage of winds that come from each of the 16 directions for the reported period. Wind speeds are divided into six subcategories ranging from less than 0.5 m/s (the measurement threshold of the instrument) to greater than 11.75 m/ s.

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 – 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 3: East Plant Meteorological Data Summary

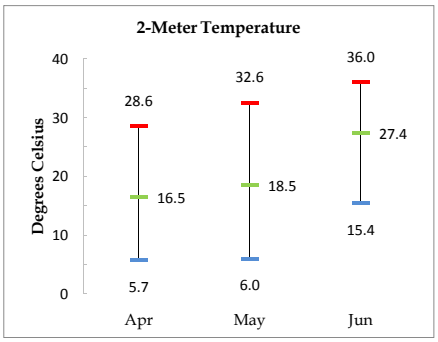
Meteorological Data: April 1 - June 30, 2015

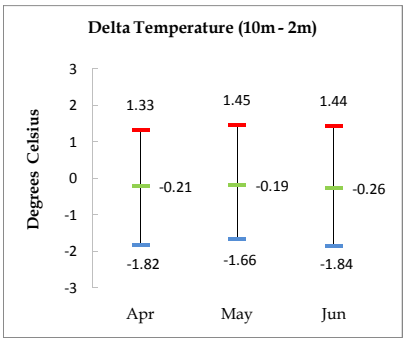


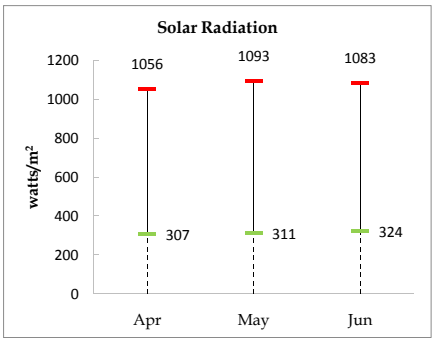
Direction	Speed Class Intervals (m/s) (percent of occurrence) 0.5 <1.5	1.5 <3	3 <5	5 <7	7 <10	>=10	All	Mean Speed
N	0.5	0.3	0.0	0.0	0.0	0.0	0.8	1.3
NNE	0.3	0.4	0.2	0.0	0.0	0.0	0.9	2.0
NE	0.4	0.4	1.0	0.9	0.5	0.1	3.3	5.1
ENE	0.7	1.1	1.6	0.5	0.0	0.0	3.8	3.1
E	1.8	1.9	0.5	0.0	0.0	0.0	4.3	1.8
ESE	2.1	2.0	0.9	0.0	0.0	0.0	4.9	2.0
SE	2.3	1.2	0.9	0.0	0.0	0.0	4.4	1.8
SSE	3.2	1.6	0.5	0.0	0.0	0.0	5.4	1.6
S	3.9	1.7	1.4	0.0	0.0	0.0	7.1	1.8
SSW	1.9	2.6	3.9	0.4	0.0	0.0	8.8	2.9
SW	1.5	5.8	4.3	0.5	0.0	0.0	12.1	2.8
WSW	1.9	8.7	3.3	0.0	0.0	0.0	13.9	2.4
W	1.9	10.2	3.3	0.0	0.0	0.0	15.3	2.4
WNW	1.6	4.7	0.8	0.0	0.0	0.0	7.1	2.2
NW	0.8	1.5	0.2	0.0	0.0	0.0	2.5	1.9
NNW	0.5	0.8	0.0	0.0	0.0	0.0	1.3	1.6
All	25.2	44.9	22.6	2.4	0.5	0.1	95.8	2.4

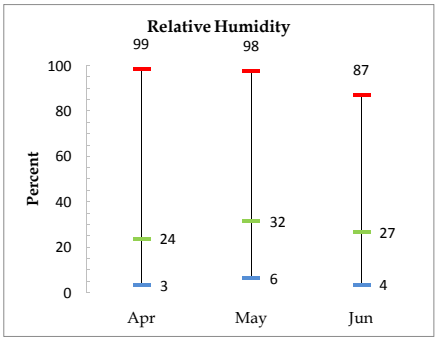
Key

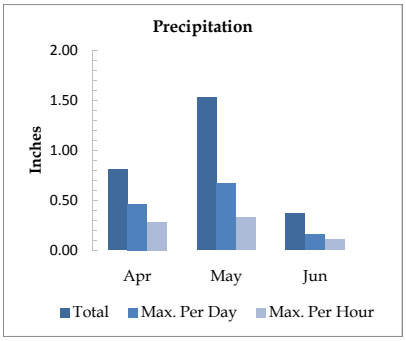
Maximum — Average — Minimum











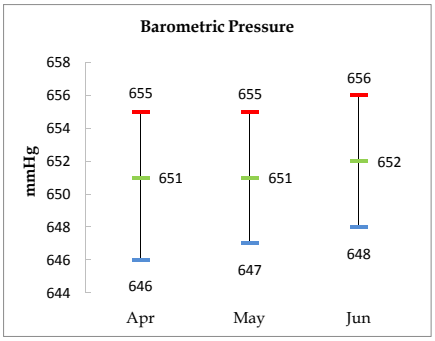
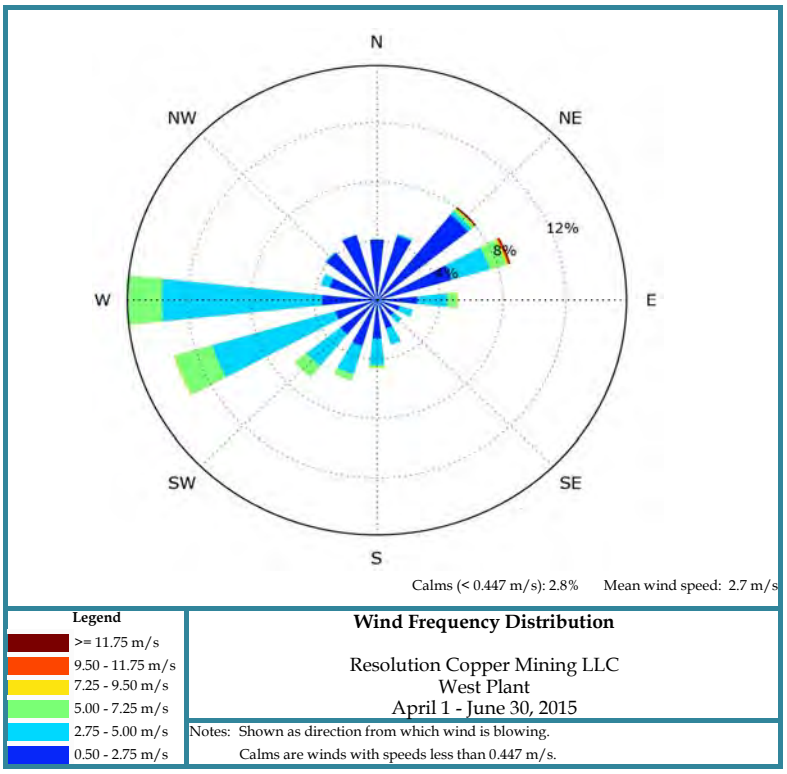


Figure 4: West Plant Meteorological Data Summary

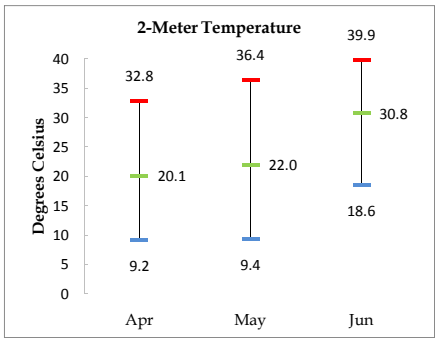
Meteorological Data: April 1 - June 30, 2015

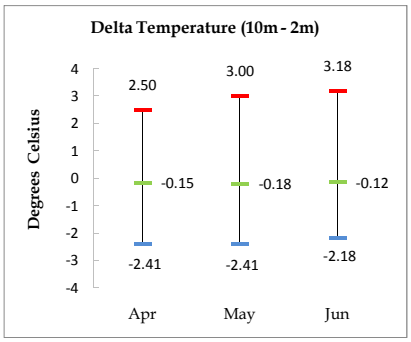


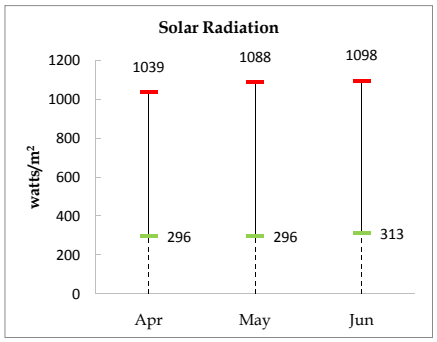
	Speed Class Intervals (m/s) (percent of occurrence)							Mean
Direction	0.5 <1.5	1.5 <3	3 <5	5 <7	7 <10	>=10	All	Speed
N	3.4	0.7	0.0	0.0	0.0	0.0	4.1	1.1
NNE	3.6	1.0	0.0	0.0	0.0	0.0	4.7	1.2
NE	3.8	3.7	0.1	0.2	0.0	0.1	8.1	1.9
ENE	2.6	2.7	2.2	1.1	0.1	0.2	8.8	3.0
E	0.9	1.9	1.6	0.6	0.0	0.0	5.1	3.0
ESE	1.1	0.4	0.8	0.0	0.0	0.0	2.4	2.1
SE	0.8	0.7	0.5	0.0	0.0	0.0	2.0	2.2
SSE	0.8	1.3	1.0	0.0	0.0	0.0	3.2	2.3
S	1.1	2.0	1.3	0.2	0.0	0.0	4.6	2.6
SSW	1.4	2.0	1.8	0.5	0.0	0.0	5.7	2.8
SW	1.0	2.3	2.5	0.9	0.0	0.0	6.7	3.2
WSW	0.9	2.6	7.5	2.4	0.1	0.0	13.4	3.8
W	1.1	3.4	9.2	2.2	0.0	0.0	15.8	3.7
WNW	1.9	1.3	0.5	0.0	0.0	0.0	3.7	1.7
NW	3.3	0.9	0.1	0.0	0.0	0.0	4.2	1.1
NNW	3.9	0.7	0.0	0.0	0.0	0.0	4.6	1.1
All	31.5	27.7	29.2	8.2	0.4	0.3	97.2	2.7

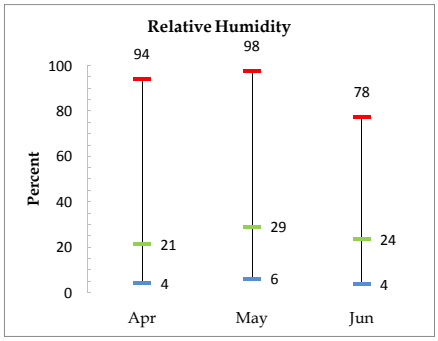
Key

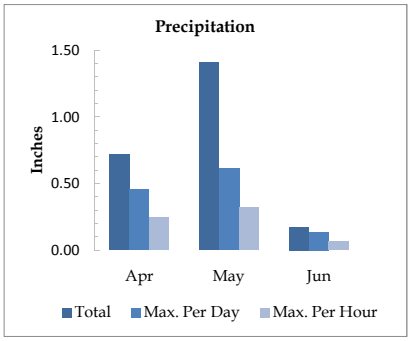
Maximum — Average — Minimum











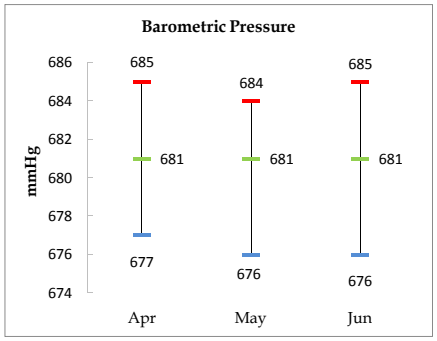
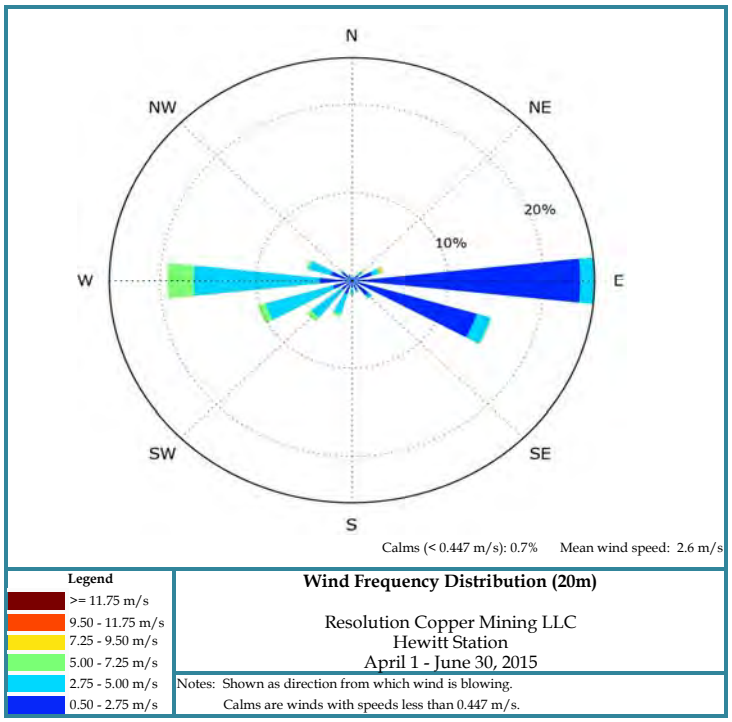


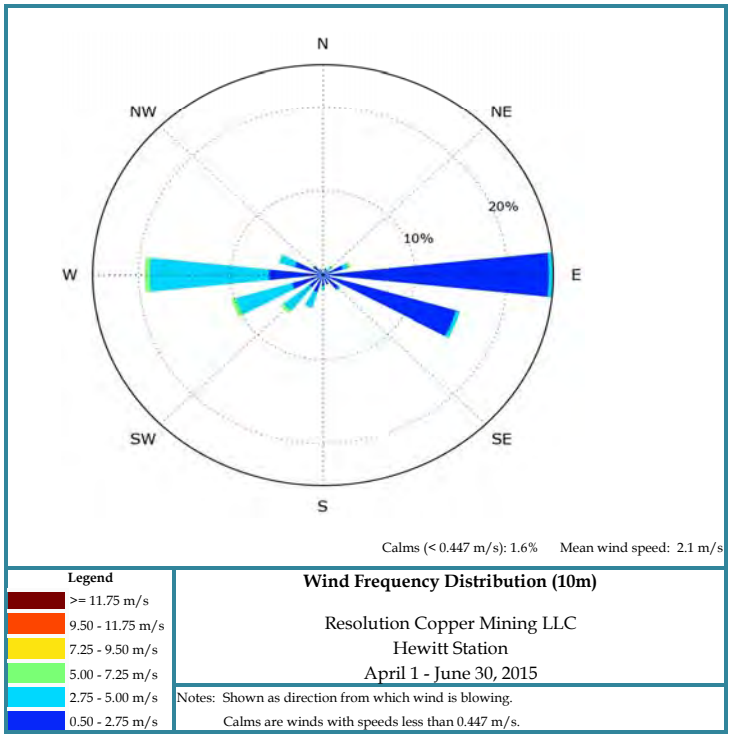
Figure 5: Hewitt Station Meteorological Data Summary

Meteorological Data: April 1 - June 30, 2015



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	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8
NNE	0.4	0.1	0.1	0.0	0.0	0.0	0.6	1.6
NE	0.4	0.4	0.5	0.1	0.1	0.0	1.6	3.2
ENE	1.7	0.5	0.6	0.2	0.2	0.0	3.3	2.6
E	10.5	13.5	1.2	0.0	0.0	0.0	25.3	1.7
ESE	6.7	7.2	1.1	0.1	0.0	0.0	15.1	1.8
SE	1.3	0.9	0.4	0.0	0.0	0.0	2.7	1.8
SSE	0.6	0.7	0.1	0.0	0.0	0.0	1.4	1.8
S	0.1	0.9	0.5	0.1	0.0	0.0	1.7	2.8
SSW	0.3	1.6	2.0	0.3	0.0	0.0	4.3	3.1
SW	0.2	1.4	3.8	0.5	0.0	0.0	6.0	3.7
WSW	0.5	2.2	6.6	0.8	0.0	0.0	10.2	3.6
W	0.8	3.7	12.0	2.6	0.0	0.0	19.2	3.7
WNW	0.9	1.9	1.8	0.2	0.0	0.0	4.9	2.8
NW	0.7	0.6	0.2	0.0	0.0	0.0	1.5	1.8
NNW	0.3	0.3	0.1	0.0	0.0	0.0	0.8	1.8
All	26.3	36.1	31.4	5.1	0.3	0.0	99.3	2.6

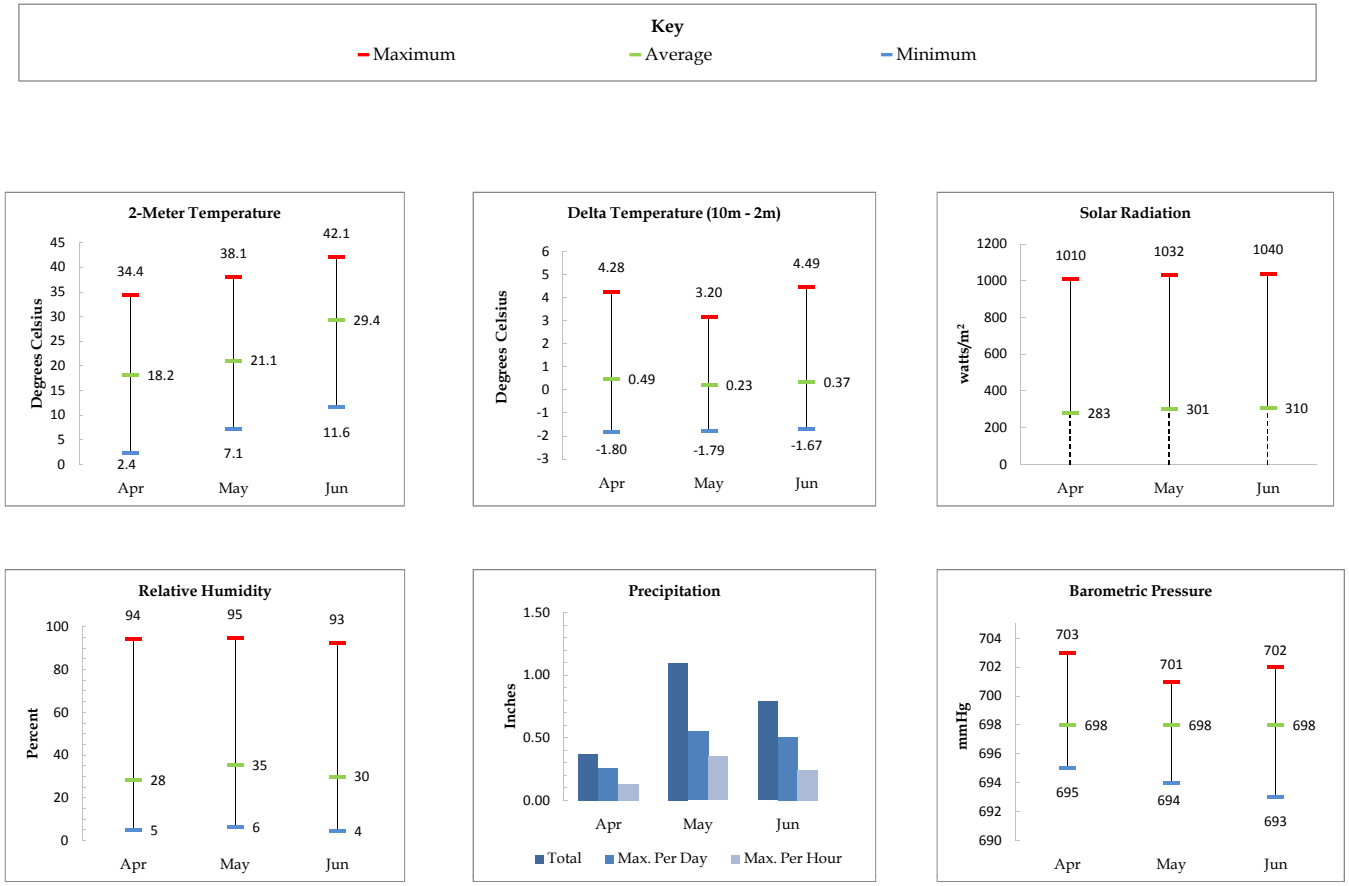


10 Meters

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	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.7
NNE	0.7	0.1	0.0	0.0	0.0	0.0	0.8	1.2
NE	0.4	0.4	0.4	0.2	0.0	0.0	1.4	2.8
ENE	1.7	0.7	0.4	0.1	0.1	0.0	3.1	2.1
E	22.8	2.0	0.2	0.0	0.0	0.0	25.0	1.1
ESE	12.9	2.1	0.4	0.0	0.0	0.0	15.5	1.2
SE	1.4	0.8	0.1	0.0	0.0	0.0	2.4	1.5
SSE	0.5	0.6	0.0	0.0	0.0	0.0	1.2	1.6
S	0.2	1.3	0.2	0.0	0.0	0.0	1.7	2.3
SSW	0.8	1.7	1.6	0.0	0.0	0.0	4.1	2.6
SW	0.3	2.2	2.9	0.3	0.0	0.0	5.8	3.2
WSW	0.8	3.7	5.3	0.5	0.0	0.0	10.3	3.0
W	1.3	6.6	10.8	0.5	0.0	0.0	19.3	3.2
WNW	1.5	2.1	1.3	0.0	0.0	0.0	5.0	2.3
NW	0.8	0.5	0.1	0.0	0.0	0.0	1.4	1.6
NNW	0.4	0.2	0.0	0.0	0.0	0.0	0.7	1.6
All	47.1	25.3	23.9	1.8	0.1	0.0	98.4	2.1

Figure 5: Hewitt Station Meteorological Data Summary (Continued)

Meteorological Data: April 1 - June 30, 2015



3.2 Meteorological and Upper-Air Data Discussion

The meteorological and upper-air data collected at the East Plant, West Plant, and Hewitt sites for the second quarter of 2015 met all data recovery objectives.

3.2.1 Upper-Air and Anemometer Data Comparison

Data from the 20-meter upper-air parameter and the 20-meter anemometer have been compared as an additional quality control check and general gauge of sensor accuracy.

Bivariate scatter plots with linear regressions compare the wind speed, u, and v components. The plots show a linear relation between the 20-meter upper-air parameter and the 20-meter anemometer, with a few outliers.

Figure 6. Wind Speed Comparison
April 1 – June 30, 2015

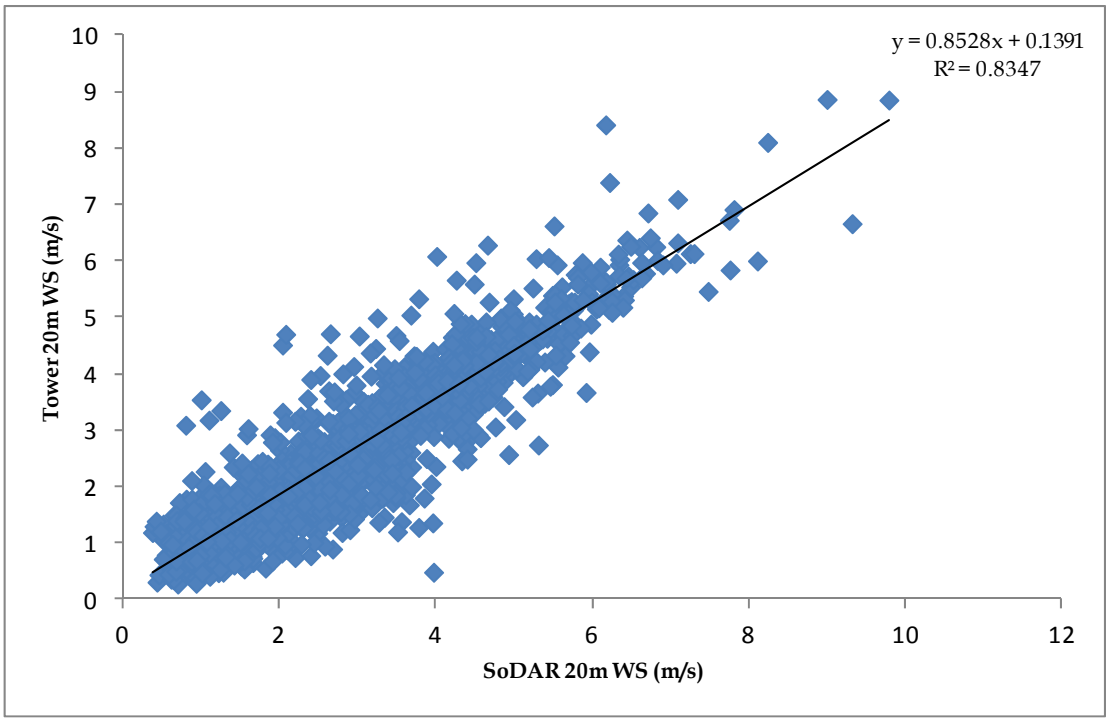


Figure 7. Zonal Component (u) Comparison
April 1 – June 30, 2015

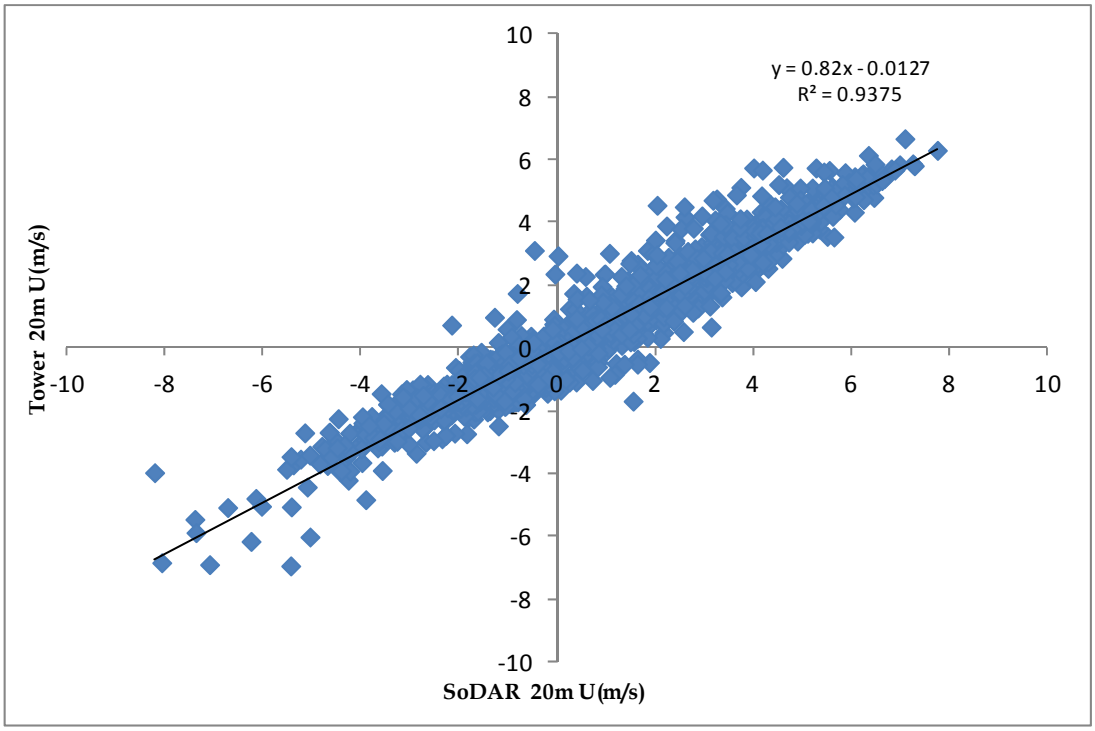
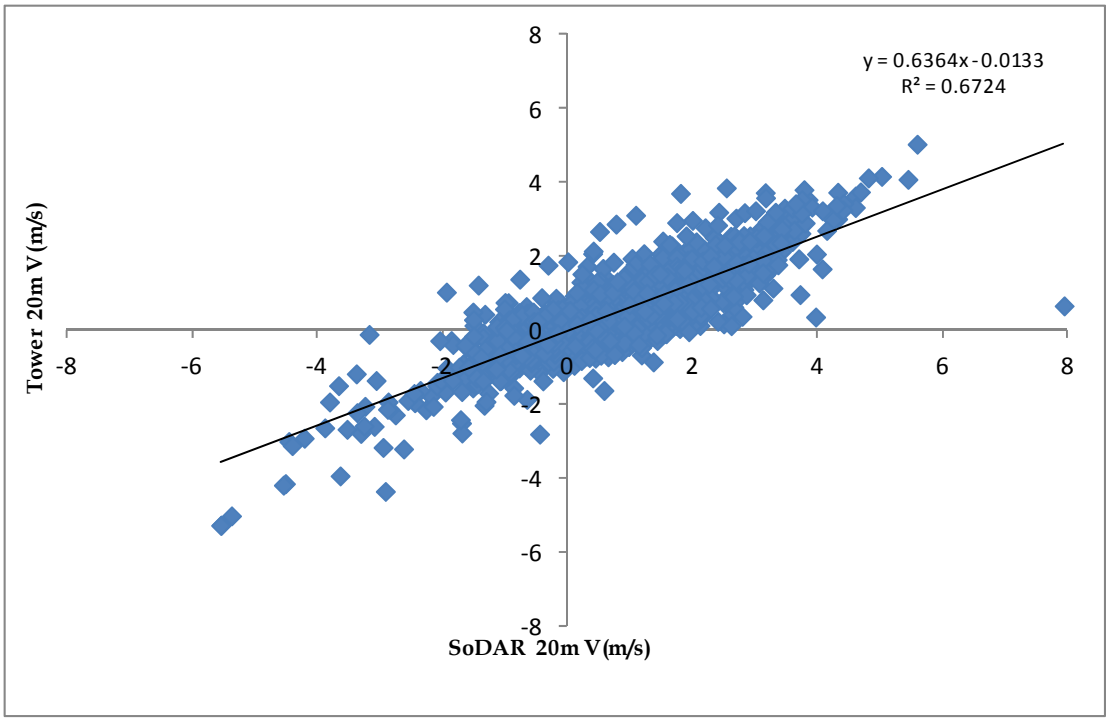


Figure 8. Meridional Component (v) Comparison
April 1 – June 30, 2015

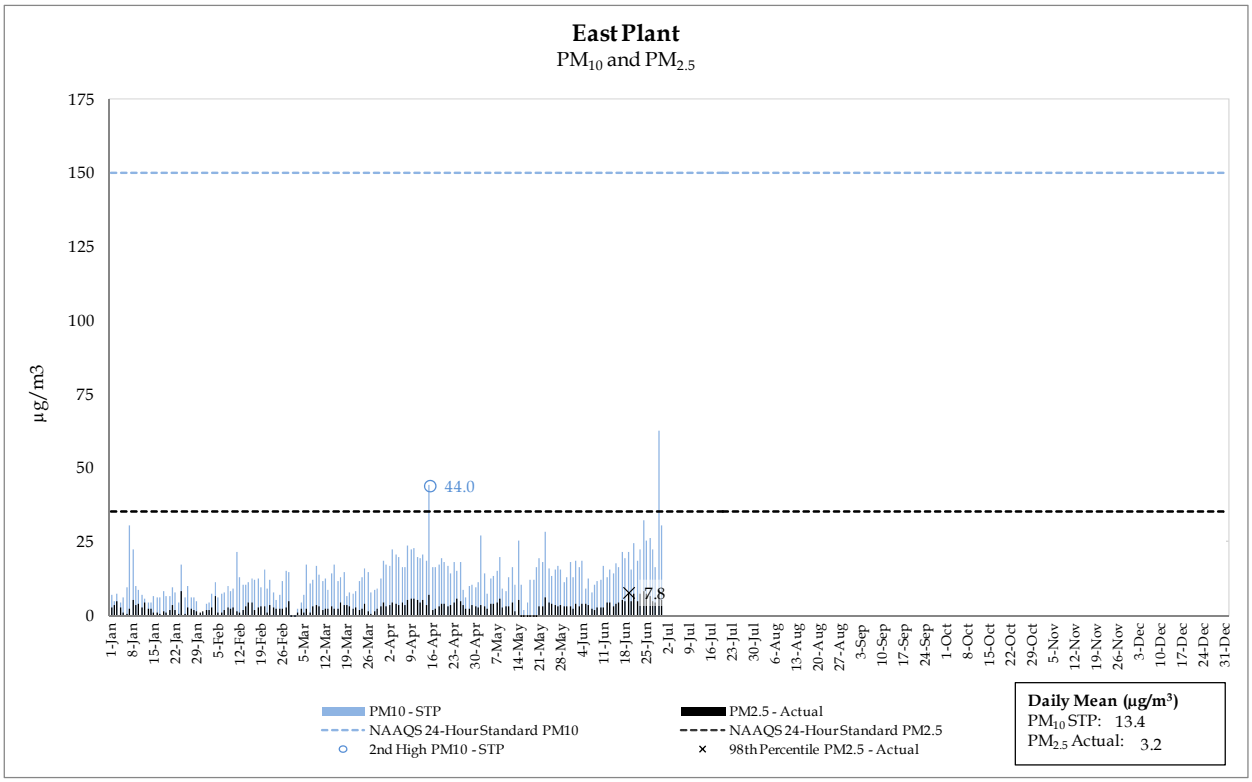


4.0 PM DATA SUMMARY AND DISCUSSION

4.1 East Plant PM Data Summary

Figure 9 presents the PM_{10} and $PM_{2.5}$ data collected at the East Plant site for 2015 (YTD), and compares the data to the PM_{10} and $PM_{2.5}$ NAAQS. The second-high 24-hour average for PM_{10}, and the 98th percentile for $PM_{2.5}$ are labeled. The daily mean value for PM_{10} and $PM_{2.5}$ are shown in the lower-right corner.

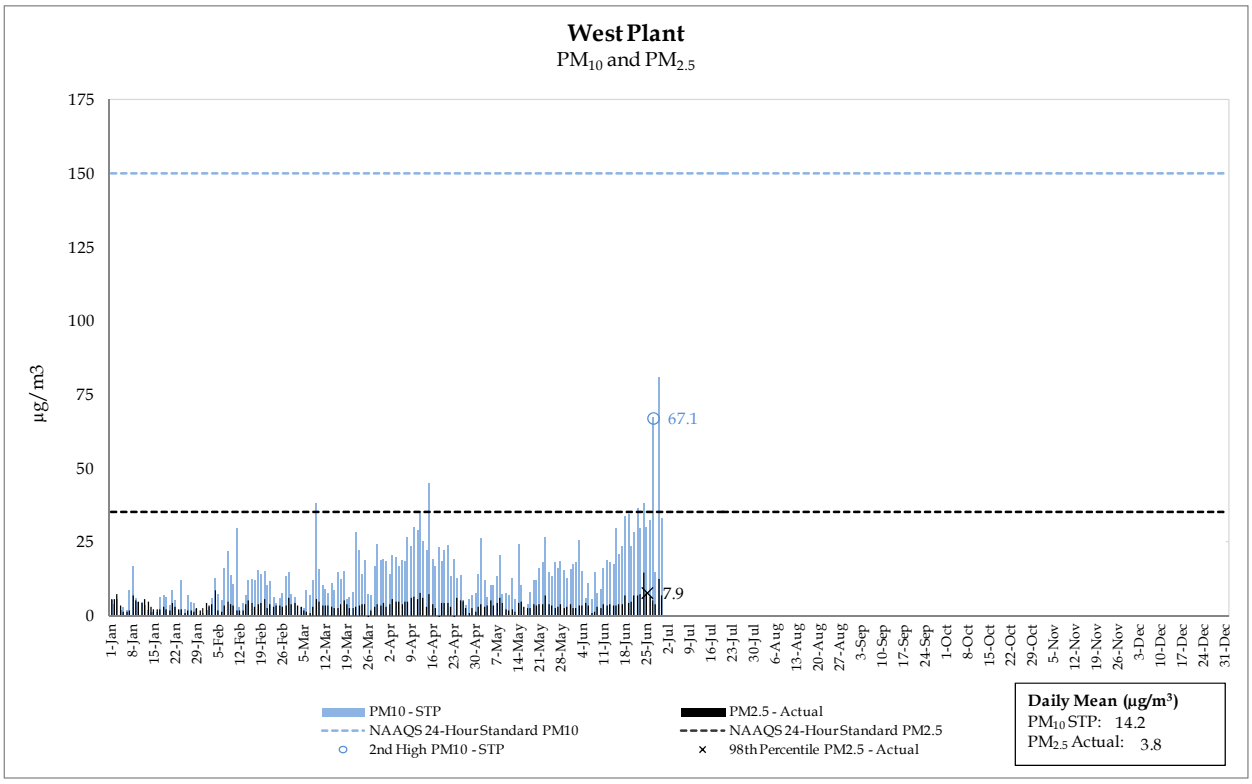
Figure 9. East Plant Particulate Data



4.2 West Plant PM Data Summary

Figure 10 presents the PM_{10} and $PM_{2.5}$ data collected at the West Plant site for 2015 (YTD), and compares the data to the PM_{10} and $PM_{2.5}$ NAAQS. The second-high 24-hour average for PM_{10}, and the 98th percentile for $PM_{2.5}$ are labeled. The daily mean value for PM_{10} and $PM_{2.5}$ are shown in the lower-right corner.

Figure 10. West Plant Particulate Data



4.3 PM Data Discussion

4.3.1 PM_{10}

The National Ambient Air Quality Standard (NAAQS) for PM_{10} is 150 µg/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 µg/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 and West Plants are 44.0 µg/m^3 and 67.1 µg/m^3, respectively. Both the East and West Plants' second-high values are below the NAAQS of 150 µg/m^3.

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 μg/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 μg/m^3.

As shown in Figure 9 and Figure 10, arithmetic mean concentrations for the East and West Plants are 3.2 and 3.8 μg/m^3, respectively. Both the East and West Plants' arithmetic mean values are below the NAAQS of 12 μg/m^3.

Figure 9 and Figure 10 also show the 98th percentile concentrations at the East and West Plants, which were 7.8 and 7.9 μg/m^3, respectively. The 98th percentiles of both the East and West Plants' 24-hour concentrations are also below 35 μg/m^3.

5.0 NO_2 DATA SUMMARY AND DISCUSSION

5.1 NO_2 Data Summary

Figure 11 and Figure 12 present the NO_2 maximum hourly concentrations for each calendar day, and hourly data collected at the East Plant site for 2015 (YTD). Figure 11 shows the 98th percentile compared to the one-hour NO_2 standard. Figure 12 shows the mean hourly NO_2 concentration compared with the annual NO_2 standard.

Figure 11. NO_2 Maximum Hourly Concentration for Each Calendar Day

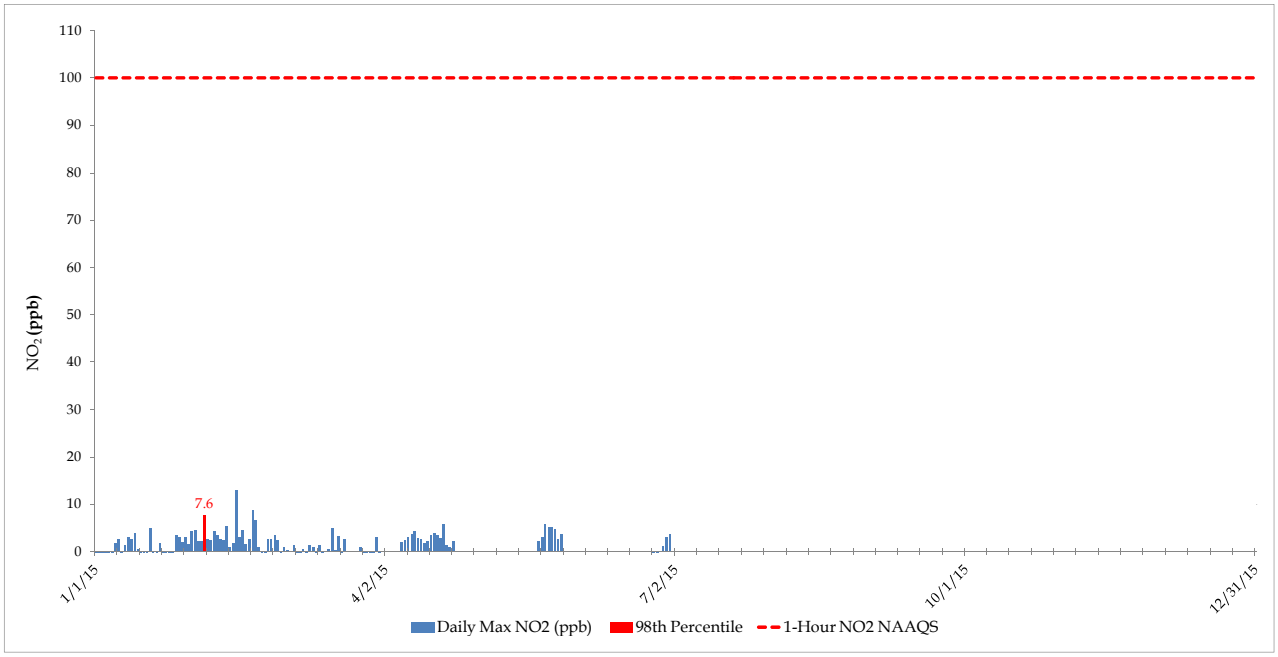
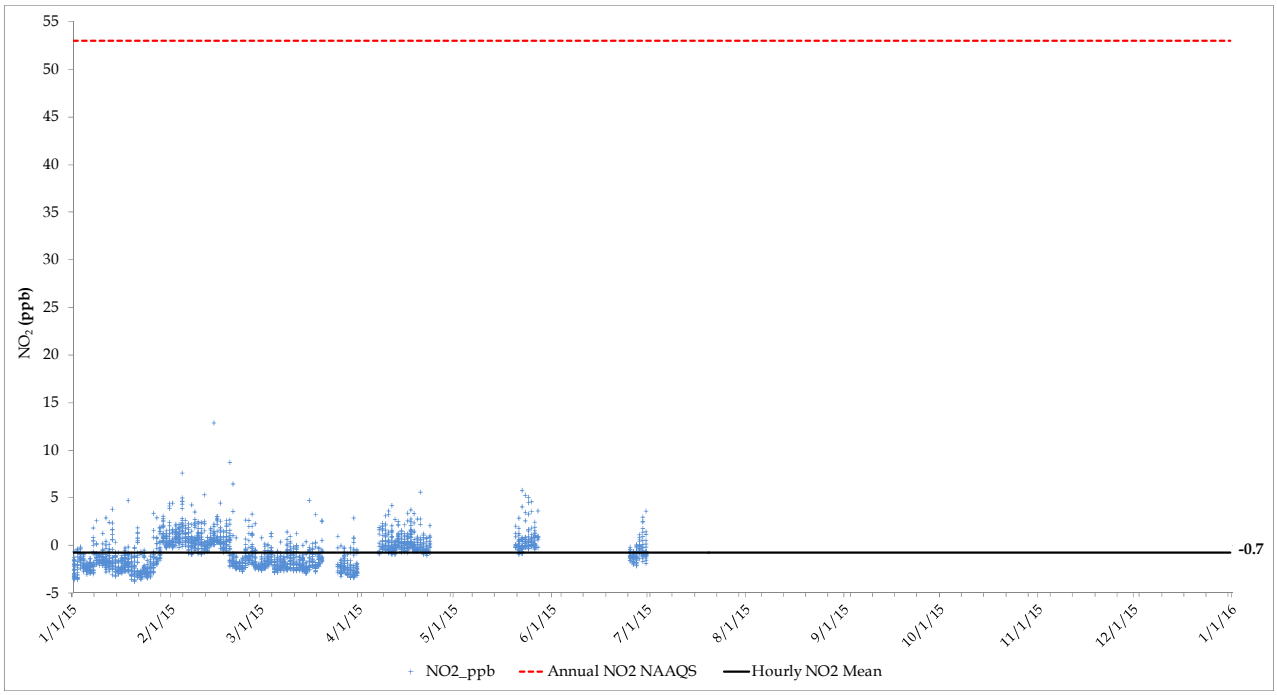


Figure 12. NO_2 Mean Hourly Concentrations



5.2 NO_2 Data Discussion

The level of the annual NAAQS for oxides of nitrogen is 53 parts per billion (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.

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.

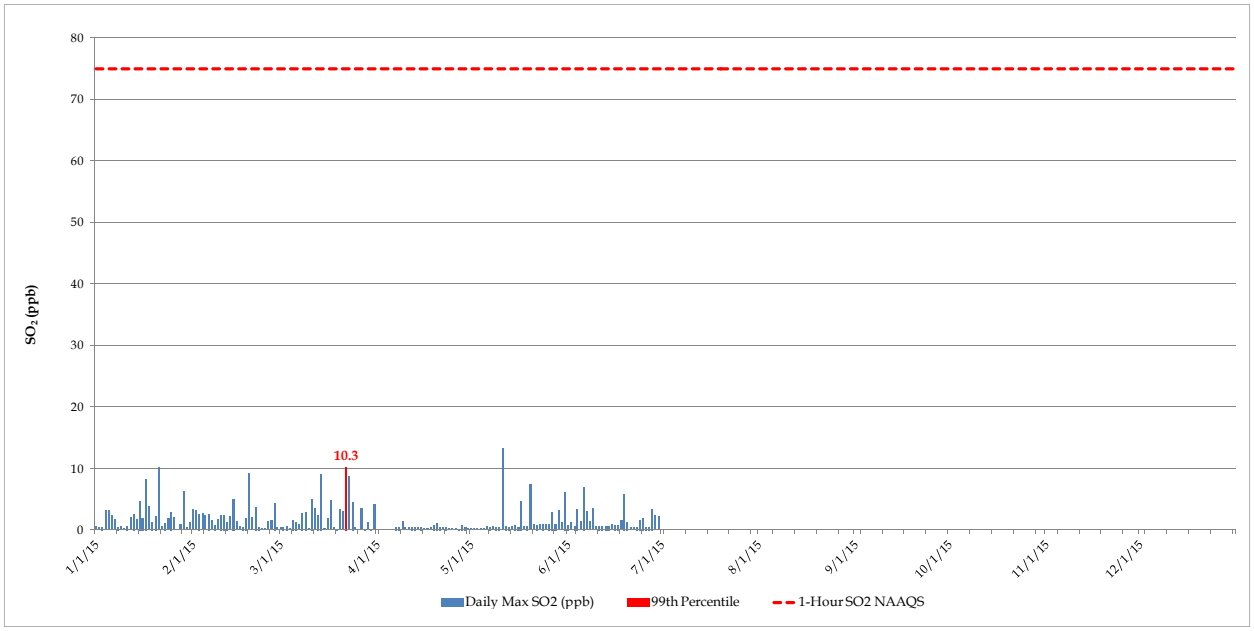
As shown in Figure 11, the 98th percentile of the daily maximum 1-hour average NO_2 concentration for 2015 (YTD) is 7.6 ppb, which is less than the NAAQS 1-hour primary standard of 100. As shown in Figure 12, the 2015 (YTD) hourly NO_2 average is -0.7 ppb, which is below the annual NO_2 NAAQS of 53 ppb. Slight, negative concentrations are normal 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 2015 (YTD), and it shows the 99th percentile (labeled) compared to the one-hour SO_2 standard.

Figure 13. SO_2 Maximum Hourly Concentration for Each Calendar Day



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 concentrations is less than or equal to 75 ppb.

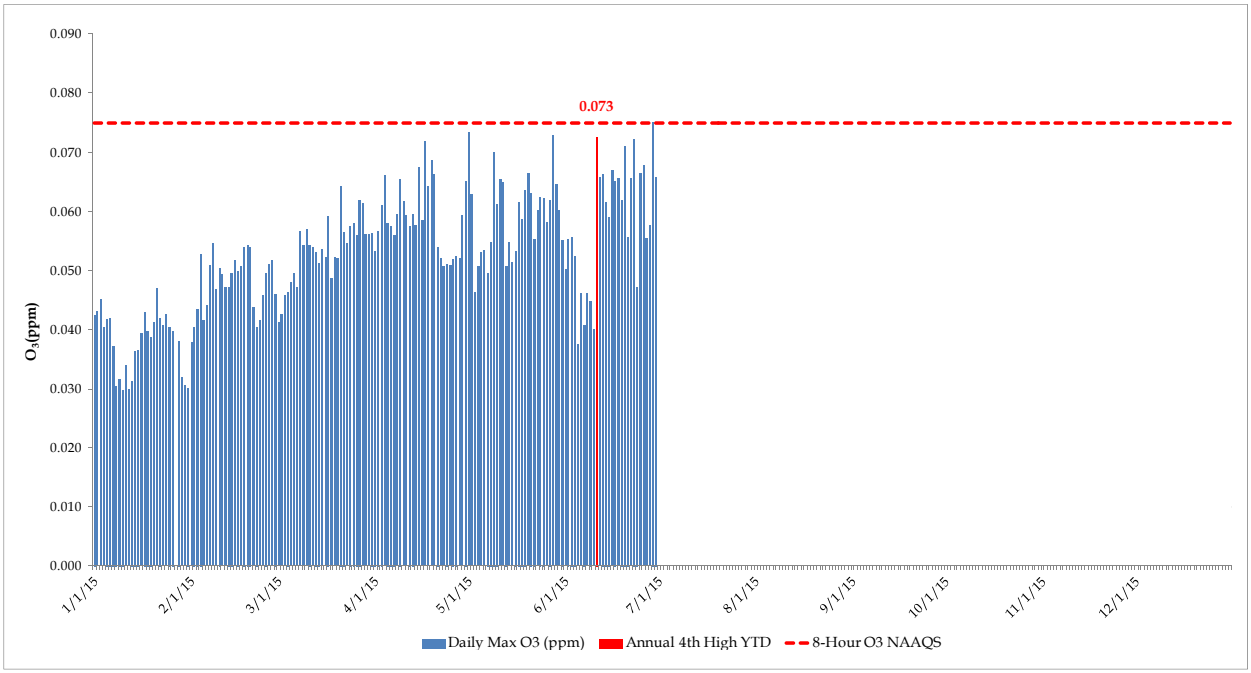
As shown in Figure 13, the 99th percentile 1-hour maximum concentration for 2015 (YTD) is 10.3 ppb, which is below the annual SO_2 NAAQS of 75 ppb.

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 2015 (YTD), and it shows the fourth-highest rolling 8-hour average compared to the eight-hour O_3 standard.

Figure 14. O_3 Daily Rolling 8-Hour Maximum



7.2 O_3 Data Discussion

The level of the primary and secondary 8-hour NAAQS for ozone is 0.075 parts per million, daily maximum average. 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 0.075 ppm.

Figure 14 shows that the averaged fourth-high maximum recorded at the East Plant is 0.073 ppm. This concentration is below the NAAQS 8-hour O_3 standard of 0.075 ppm.

Parts of Pinal County and adjacent Maricopa County have been designated as non-attainment areas for 8-hour ozone by the Arizona Department of Environmental Quality (ADEQ).

Appendix A: Meteorological Data – Hourly

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, WS_ms_10m"
Month: Apr 2015

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	2.2	2.2	2.4	1.1	1.2	0.5	0.5	1.0	3.1	3.7	3.4	3.9	4.2	4.4	3.2	3.4	3.2	2.8	1.9	1.5	1.0	0.5	0.6	0.5	2.2	4.4	0.5
2	1.7	3.1	2.3	1.5	1.6	0.3	0.2	0.7	2.1	2.4	2.2	2.4	2.8	2.8	2.4	2.6	2.6	2.1	2.0	1.9	1.6	2.2	1.5	0.8	1.9	3.1	0.2
3	1.0	1.0	1.2	1.7	5.5	6.7	8.7	9.5	9.0	8.5	7.6	5.5	3.0	2.3	3.0	2.4	2.0	2.1	1.4	2.0	0.6	0.9	1.0	0.8	3.6	9.5	0.6
4	0.7	0.4	0.9	1.2	1.4	1.5	1.8	1.8	3.8	4.2	3.3	3.3	2.5	3.8	3.1	3.1	2.3	2.1	1.4	1.2	0.8	0.7	1.1	1.3	2.0	4.2	0.4
5	1.7	1.6	1.2	1.0	0.8	0.2	0.2	0.4	2.3	2.6	3.5	4.1	3.5	3.3	3.1	3.6	3.2	2.9	3.3	3.9	4.2	4.5	5.8	3.4	2.7	5.8	0.2
6	2.9	2.1	0.9	1.1	0.4	0.6	0.2	0.4	1.8	3.5	2.6	3.2	3.1	3.8	3.9	2.7	2.5	2.2	1.7	1.2	1.3	0.8	0.5	1.5	1.9	3.9	0.2
7	2.0	2.7	4.4	4.7	4.2	3.8	3.2	3.3	3.2	4.2	3.5	4.7	4.4	4.0	3.5	3.2	3.2	2.7	1.9	1.6	1.3	0.8	1.0	1.4	3.0	4.7	0.8
8	1.9	1.6	1.6	1.4	1.3	1.2	1.0	2.2	2.4	2.5	2.8	2.8	3.2	4.0	3.0	2.9	3.1	3.1	2.6	1.6	1.7	2.4	1.7	1.3	2.2	4.0	1.0
9	1.0	1.1	1.0	1.2	2.0	2.3	2.3	2.7	4.2	4.5	3.2	1.8	2.5	1.9	2.5	2.2	2.6	2.1	1.6	1.0	0.8	0.6	0.3	0.1	1.9	4.5	0.1
10	0.3	0.4	0.3	0.6	0.7	1.0	0.9	0.7	1.0	1.4	2.7	2.9	2.7	2.4	3.0	2.7	2.3	2.2	1.4	1.0	0.4	0.9	0.5	0.3	1.4	3.0	0.3
11	0.1	0.1	0.3	0.3	0.7	0.2	0.3	0.9	1.6	1.9	2.2	2.2	2.0	2.4	2.8	3.1	2.5	2.2	2.1	2.0	1.0	1.2	1.5	1.0	1.4	3.1	0.1
12	0.7	1.9	1.6	1.7	1.5	1.2	1.2	1.9	3.4	2.3	2.3	3.4	3.1	3.1	3.6	2.8	3.2	2.8	2.6	2.7	1.6	1.9	1.6	1.4	2.2	3.6	0.7
13	1.6	1.2	0.4	0.3	0.6	1.1	0.9	0.7	1.5	3.9	3.5	3.3	3.1	3.0	3.5	2.9	2.7	2.8	1.8	1.4	1.0	1.0	1.5	2.4	1.9	3.9	0.3
14	2.7	2.4	2.6	2.4	2.5	2.0	2.6	3.8	4.9	4.6	3.7	2.8	2.3	3.1	3.3	2.9	3.8	3.3	5.0	4.0	2.4	1.7	2.2	1.5	3.0	5.0	1.5
15	1.8	1.6	1.2	0.9	0.8	0.7	0.4	0.4	2.6	2.1	2.7	3.2	3.4	3.2	4.2	4.0	4.6	3.8	2.9	2.6	3.6	2.5	1.8	1.4	2.4	4.6	0.4
16	1.6	5.1	6.9	3.6	4.4	2.3	1.8	3.0	2.7	2.5	2.5	4.0	3.6	3.8	4.3	3.7	3.1	2.6	2.5	1.5	0.2	0.6	0.3	0.3	2.8	6.9	0.2
17	0.6	0.4	0.3	0.6	0.4	0.8	1.3	1.0	1.8	2.8	2.7	2.8	3.3	3.3	3.5	3.4	2.9	2.1	2.4	1.0	0.8	0.3	0.2	0.1	1.6	3.5	0.1
18	0.4	1.0	1.1	1.4	1.1	0.8	0.6	1.1	2.1	2.6	2.7	3.1	3.0	3.2	3.3	3.3	3.4	2.6	2.4	2.3	0.9	0.9	1.1	2.7	2.0	3.4	0.4
19	2.0	1.9	2.6	1.6	1.4	1.5	0.7	0.8	1.3	2.4	2.3	2.9	3.0	3.5	3.1	3.2	2.9	2.6	1.9	1.5	1.0	1.1	1.2	0.9	2.0	3.5	0.7
20	0.6	2.4	1.4	1.0	0.5	0.3	0.9	1.3	1.5	1.6	2.2	2.4	2.7	2.6	2.8	2.8	2.8	2.3	2.0	1.3	1.0	0.7	1.8	2.9	1.7	2.9	0.3
21	3.4	2.1	0.9	0.9	0.7	0.8	0.3	0.3	1.1	2.4	2.8	3.4	3.4	3.3	3.6	3.1	2.5	2.5	1.7	1.1	1.0	2.1	2.2	2.1	2.0	3.6	0.3
22	2.8	2.1	1.6	0.7	0.6	1.0	0.4	0.5	3.0	2.9	3.0	3.4	3.9	4.1	3.6	3.1	2.4	1.7	1.8	2.3	1.6	1.1	2.2	2.6	2.2	4.1	0.4
23	2.2	0.6	0.5	0.8	0.6	2.2	1.6	1.5	2.2	2.8	2.5	4.6	3.6	3.5	3.2	3.0	3.3	2.9	2.5	2.7	4.4	4.9	5.5	5.1	2.8	5.5	0.5
24	4.6	3.4	1.5	1.8	2.1	2.2	2.4	2.8	2.5	2.4	3.1	5.3	2.7	3.9	4.0	1.7	2.5	1.8	1.8	1.0	0.3	0.9	1.1	2.9	2.4	5.3	0.3
25	2.0	2.9	3.4	2.3	1.6	1.6	0.9	1.3	2.3	2.1	2.9	3.8	2.8	4.1	4.9	5.0	6.1	4.5	4.0	4.6	2.4	2.0	2.5	2.6	3.0	6.1	0.9
26	3.4	4.2	2.1	1.5	2.2	3.1	5.0	4.3	3.8	2.7	2.5	2.3	3.0	2.4	2.6	2.9	3.6	4.1	4.7	2.7	1.9	1.5	1.2	1.1	2.9	5.0	1.1
27	1.3	1.3	1.0	1.3	1.3	1.2	1.5	2.2	6.8	8.2	5.6	4.4	4.0	3.9	3.2	3.1	2.7	1.9	2.5	2.2	2.1	0.5	1.0	0.5	2.7	8.2	0.5
28	0.9	2.0	2.5	2.9	3.2	4.3	5.7	7.2	8.5	7.2	6.2	4.9	3.4	3.5	2.9	5.1	4.0	4.0	4.6	4.8	4.8	3.4	4.3	3.7	4.3	8.5	0.9
29	3.3	5.6	5.7	4.9	6.7	6.7	5.4	7.6	5.2	6.1	5.5	6.2	6.3	3.5	4.2	2.7	2.6	1.9	1.7	1.5	0.5	0.9	1.0	1.1	4.0	7.6	0.5
30	1.3	1.5	1.8	1.8	2.0	2.2	2.2	3.5	4.6	4.5	2.5	2.4	2.4	2.0	2.1	1.9	2.4	2.0	2.2	2.1	2.7	1.1	0.6	1.3	2.2	4.6	0.6
Avg	1.8	2.0	1.9	1.6	1.8	1.8	1.8	2.3	3.2	3.5	3.3	3.5	3.2	3.3	3.3	3.1	3.0	2.6	2.4	2.1	1.6	1.5	1.6	1.6	2.4	--	--
Max	4.6	5.6	6.9	4.9	6.7	6.7	8.7	9.5	9.0	8.5	7.6	6.2	6.3	4.4	4.9	5.1	6.1	4.5	5.0	4.8	4.8	4.9	5.8	5.1	--	9.5	--
Min	0.1	0.1	0.3	0.3	0.4	0.2	0.2	0.3	1.0	1.4	2.2	1.8	2.0	1.9	2.1	1.7	2.0	1.7	1.4	1.0	0.2	0.3	0.2	0.1	--	--	0.1

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, WS_ms_10m"
Month: May 2015

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	1.3	1.4	1.1	1.0	0.8	1.1	1.1	0.9	0.8	2.9	2.8	2.7	2.5	2.8	3.1	2.6	2.8	2.8	1.9	2.8	1.6	2.3	3.0	3.1	2.0	3.1	0.8
2	2.2	1.0	1.8	1.6	1.3	1.1	0.8	0.4	1.1	1.5	1.4	1.9	2.2	2.9	2.8	3.0	2.4	2.6	1.4	1.0	2.4	3.2	1.7	2.5	1.9	3.2	0.4
3	2.7	3.7	2.0	2.1	1.4	0.7	1.0	1.0	1.4	2.2	2.8	2.9	2.6	2.5	3.6	2.8	2.6	2.0	1.8	1.4	1.7	1.9	3.6	2.1	2.2	3.7	0.7
4	5.5	2.6	2.5	3.0	5.1	3.5	5.0	4.3	5.1	2.9	2.3	1.9	2.2	2.5	2.2	2.4	5.2	4.7	2.5	1.1	0.7	2.3	1.3	1.2	3.0	5.5	0.7
5	0.8	0.6	1.2	1.3	1.0	0.9	0.4	0.6	1.7	1.9	2.0	2.4	1.8	1.7	2.3	2.8	2.1	2.1	1.9	0.8	0.5	0.8	0.7	0.8	1.4	2.8	0.4
6	0.4	0.4	0.2	2.2	0.6	0.3	0.5	0.4	1.6	2.2	2.4	2.6	2.7	3.4	3.5	3.5	2.4	2.9	2.3	2.7	2.1	2.1	2.2	1.8	1.9	3.5	0.2
7	1.1	1.4	2.7	2.9	1.8	1.9	1.8	2.5	2.4	2.6	3.7	3.2	4.0	2.9	3.2	3.3	2.8	3.0	2.6	2.9	2.5	3.4	3.9	3.8	2.8	4.0	1.1
8	4.3	4.3	2.4	1.2	2.2	2.8	2.7	3.1	2.9	2.6	3.0	3.0	2.8	3.2	3.8	2.8	2.9	2.2	2.2	2.2	1.9	2.0	2.9	2.6	2.8	4.3	1.2
9	2.6	2.9	1.3	1.9	1.3	1.3	1.0	1.7	2.5	2.5	2.7	3.0	2.7	2.9	3.2	3.2	2.9	2.4	1.8	1.7	1.8	1.7	0.9	0.3	2.1	3.2	0.3
10	0.5	0.5	0.6	0.9	1.5	1.4	2.0	2.5	1.9	3.1	2.8	2.6	3.5	3.1	3.1	2.9	2.8	2.0	2.1	2.0	1.1	1.0	0.4	0.5	1.9	3.5	0.4
11	0.5	0.7	1.1	1.4	3.1	3.6	4.3	6.5	6.1	5.3	4.3	3.2	3.5	3.7	3.6	3.5	4.0	3.2	2.3	1.6	0.7	0.9	0.9	1.5	2.9	6.5	0.5
12	2.9	2.1	0.8	0.3	0.5	0.6	0.5	0.9	1.8	2.0	2.2	2.3	3.0	2.5	3.9	3.9	4.3	4.3	4.0	3.8	5.1	4.9	4.7	2.9	2.7	5.1	0.3
13	1.9	1.8	1.5	1.4	2.1	2.1	1.8	3.4	4.5	3.6	3.4	3.5	4.0	3.4	3.7	3.1	2.4	2.3	2.8	1.3	0.6	1.2	1.5	1.9	2.5	4.5	0.6
14	2.0	2.0	0.9	1.8	4.0	5.1	5.0	3.8	4.3	4.2	5.2	6.0	5.7	5.5	4.7	5.1	4.4	3.6	3.1	3.1	3.0	2.5	4.1	4.3	3.9	6.0	0.9
15	4.0	4.2	3.1	3.6	3.4	2.4	2.5	2.0	1.7	1.6	3.8	4.7	4.8	4.1	5.2	4.4	3.5	2.4	0.7	0.8	0.8	0.9	1.4	4.8	3.0	5.2	0.7
16	3.2	2.5	3.6	4.9	5.6	4.6	3.4	2.5	1.7	1.9	1.8	2.0	2.3	2.4	1.9	2.1	2.6	2.2	1.9	1.5	1.0	0.8	0.8	1.1	2.4	5.6	0.8
17	1.2	1.4	1.8	1.9	2.1	1.8	1.8	3.2	2.7	2.6	1.6	2.3	2.2	2.3	2.2	2.1	1.7	1.8	1.8	2.1	0.7	1.3	0.9	0.8	1.8	3.2	0.7
18	0.6	0.4	0.5	0.5	0.5	0.9	1.2	1.8	3.1	4.0	4.6	3.8	3.0	2.3	2.0	2.7	4.2	3.4	2.7	2.9	2.1	1.7	1.2	1.0	2.1	4.6	0.4
19	0.8	0.7	0.1	0.9	0.3	0.3	0.4	0.8	2.5	2.8	2.3	2.6	2.7	2.9	3.3	3.3	2.8	2.3	1.5	1.6	0.8	1.1	1.2	0.9	1.6	3.3	0.1
20	1.1	1.3	1.1	1.0	1.2	1.2	1.8	2.9	3.7	4.2	4.3	4.3	3.0	3.1	3.2	2.9	2.0	2.5	2.2	1.0	0.3	1.2	2.3	1.2	2.2	4.3	0.3
21	0.9	1.0	0.5	0.5	0.8	0.9	1.0	1.4	1.3	2.1	3.8	3.4	3.7	4.0	3.5	3.0	3.2	3.5	3.1	2.9	3.7	6.1	5.9	5.0	2.7	6.1	0.5
22	3.8	3.7	3.5	2.1	1.0	0.6	0.7	2.4	4.0	4.3	4.3	4.1	4.0	3.5	3.7	4.3	3.4	2.9	3.0	2.1	2.5	2.1	1.8	1.0	2.9	4.3	0.6
23	0.8	0.6	0.4	0.5	0.9	0.6	0.5	0.8	2.2	2.7	2.2	2.8	2.2	2.9	3.0	2.5	2.5	2.7	2.1	1.8	1.1	0.7	0.8	0.7	1.6	3.0	0.4
24	0.8	0.2	0.5	0.5	0.4	0.6	0.3	1.6	2.3	2.3	2.1	2.9	2.2	3.1	2.1	2.6	2.7	2.6	3.2	1.7	1.3	1.7	0.9	1.6	1.7	3.2	0.2
25	0.5	0.7	0.4	0.3	0.3	0.5	0.8	1.1	2.3	2.6	2.7	2.7	3.0	2.8	3.0	3.4	2.4	2.8	2.7	1.4	1.4	0.6	0.6	0.5	1.6	3.4	0.3
26	0.6	0.5	2.1	2.1	0.4	0.8	1.3	1.7	1.8	1.6	2.6	2.2	2.8	3.0	2.8	2.3	2.4	2.7	2.2	1.5	0.8	0.3	1.1	1.2	1.7	3.0	0.3
27	2.0	1.1	1.8	0.7	0.7	0.9	1.2	1.7	1.4	1.9	1.3	3.8	3.6	3.0	2.8	2.9	2.3	1.8	1.1	1.1	0.4	1.0	1.6	1.7	1.7	3.8	0.4
28	1.7	1.3	0.5	0.5	1.0	1.0	1.0	1.2	1.8	2.2	2.8	2.7	2.8	3.0	3.1	3.3	2.7	2.2	1.6	1.2	1.5	1.9	0.8	1.6	1.8	3.3	0.5
29	2.2	2.0	1.6	0.4	0.3	0.4	1.5	1.9	2.2	3.3	2.9	2.8	2.4	3.0	2.3	2.4	3.0	2.5	1.6	1.9	1.4	0.7	1.3	1.0	1.9	3.3	0.3
30	0.8	0.9	0.9	0.3	0.7	1.1	1.4	1.9	1.9	1.6	3.3	2.8	3.2	3.6	2.8	3.1	3.2	2.6	2.3	2.8	2.3	0.9	1.3	1.5	2.0	3.6	0.3
31	1.2	1.0	1.1	1.2	1.0	2.2	2.9	3.3	4.0	2.3	2.1	2.8	2.8	2.7	3.2	2.9	3.0	2.7	1.9	1.5	0.9	0.3	2.1	1.9	2.1	4.0	0.3
Avg	1.8	1.6	1.4	1.5	1.5	1.5	1.7	2.1	2.5	2.7	2.9	3.0	3.0	3.1	3.1	3.1	3.0	2.7	2.2	1.9	1.6	1.7	1.9	1.8	2.2	--	--
Max	5.5	4.3	3.6	4.9	5.6	5.1	5.0	6.5	6.1	5.3	5.2	6.0	5.7	5.5	5.2	5.1	5.2	4.7	4.0	3.8	5.1	6.1	5.9	5.0	--	6.5	--
Min	0.4	0.2	0.1	0.3	0.3	0.3	0.3	0.4	0.8	1.5	1.3	1.9	1.8	1.7	1.9	2.1	1.7	1.8	0.7	0.8	0.3	0.3	0.4	0.3	--	--	0.1

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, WS_ms_10m"
Month: Jun 2015

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	0.8	1.2	1.8	1.7	0.5	0.8	0.5	0.8	2.2	2.7	1.7	2.4	3.6	3.2	2.8	3.0	2.7	2.9	3.0	1.7	1.1	1.1	1.1	0.7	1.8	3.6	0.5
2	0.8	2.1	1.3	1.5	1.0	0.3	0.4	1.1	2.0	1.9	2.5	2.8	2.9	3.0	3.2	3.1	2.9	3.0	2.2	1.6	2.0	0.8	1.1	0.8	1.8	3.2	0.3
3	1.0	0.6	0.7	0.7	1.5	2.1	3.5	1.9	3.9	3.0	3.2	3.7	3.6	3.3	3.4	2.6	3.3	2.4	2.2	1.7	1.6	1.4	1.7	1.4	2.3	3.9	0.6
4	0.7	1.0	0.5	0.4	0.5	0.5	0.3	1.9	3.4	3.7	3.0	3.7	4.2	5.0	3.6	4.1	2.7	2.6	2.7	2.7	1.5	2.0	2.2	1.6	2.3	5.0	0.3
5	2.5	1.9	1.9	1.5	1.6	2.8	2.3	4.8	4.3	6.4	4.6	5.0	4.2	2.1	4.5	2.3	1.9	3.3	3.1	1.7	1.5	1.5	1.7	1.6	2.9	6.4	1.5
6	1.5	0.7	0.6	0.4	0.3	0.3	0.5	1.0	2.8	4.0	2.2	2.0	2.9	2.8	2.5	2.4	2.1	2.1	1.7	1.6	0.7	0.8	0.9	0.8	1.6	4.0	0.3
7	0.8	2.5	0.7	0.7	0.8	1.1	0.9	1.1	2.6	3.6	3.0	2.8	2.7	3.0	2.6	3.2	2.3	2.5	2.0	2.7	1.5	1.3	0.8	1.0	1.9	3.6	0.7
8	1.0	1.1	1.3	1.5	1.7	2.1	2.5	3.2	3.3	3.9	5.1	4.6	4.2	2.4	2.7	2.4	3.1	2.9	3.3	2.6	2.0	3.4	3.7	2.0	2.7	5.1	1.0
9	2.1	4.6	4.3	3.4	4.8	3.9	2.1	3.4	4.3	5.3	2.3	2.1	1.7	2.0	1.9	2.5	2.1	1.9	1.0	0.9	1.6	3.2	3.0	2.4	2.8	5.3	0.9
10	3.5	2.5	1.0	0.7	0.8	1.0	0.6	1.5	2.1	2.1	2.2	2.7	2.0	2.3	2.4	3.5	2.3	2.4	2.3	1.5	1.2	0.9	0.9	0.9	1.8	3.5	0.6
11	1.1	0.4	0.1	0.5	0.5	0.4	0.6	1.2	1.9	2.5	2.3	2.5	3.1	3.0	3.3	2.7	2.9	2.6	2.2	1.7	1.6	1.3	0.4	0.7	1.6	3.3	0.1
12	0.5	0.3	1.0	1.6	0.7	0.7	0.5	0.6	2.0	3.1	2.9	2.7	2.7	3.0	3.0	3.4	2.6	2.4	2.2	1.6	0.7	0.3	0.8	0.1	1.6	3.4	0.1
13	1.0	2.5	2.2	1.4	0.6	0.3	0.6	0.7	2.4	3.0	2.8	3.0	2.8	3.0	3.2	3.2	3.2	2.7	1.8	2.1	2.0	1.0	0.5	1.5	2.0	3.2	0.3
14	1.1	1.4	1.5	1.6	1.7	1.1	0.5	1.2	1.4	2.9	3.0	3.2	3.4	3.1	3.4	3.1	3.2	2.4	2.3	1.7	2.2	1.6	1.7	3.0	2.2	3.4	0.5
15	3.6	2.5	0.8	1.6	2.2	0.9	0.9	0.7	1.6	4.1	3.7	3.2	2.6	2.7	3.9	3.1	2.8	2.9	2.0	2.1	2.2	1.9	1.0	0.8	2.2	4.1	0.7
16	2.2	2.5	1.7	1.3	1.6	2.2	2.3	3.4	4.1	2.6	2.4	2.4	2.1	3.3	3.2	3.3	3.4	2.9	2.9	2.9	2.6	2.6	2.4	2.0	2.6	4.1	1.3
17	1.6	0.8	0.9	0.8	1.1	1.1	1.8	3.5	2.9	2.2	2.2	2.5	3.1	3.3	3.0	3.6	3.8	2.8	1.9	1.9	3.4	3.2	3.4	2.8	2.4	3.8	0.8
18	1.8	1.5	0.2	0.2	0.8	0.7	0.9	1.4	2.1	2.6	2.2	3.1	2.6	3.4	4.0	3.7	2.8	3.1	2.5	1.8	1.1	0.5	1.4	1.6	1.9	4.0	0.2
19	2.0	2.4	2.9	2.2	1.1	0.8	0.2	1.1	1.7	2.4	2.5	2.3	3.2	2.9	2.8	3.6	2.9	2.6	2.4	2.4	1.6	1.1	0.3	0.8	2.0	3.6	0.2
20	0.7	0.3	0.8	0.6	0.7	0.7	0.7	0.5	1.6	2.3	2.7	2.9	2.9	3.1	3.4	3.5	2.9	2.7	1.9	2.0	1.4	0.7	0.7	0.9	1.7	3.5	0.3
21	2.5	2.6	1.8	3.2	1.6	1.7	1.8	1.6	1.9	2.0	2.6	2.7	3.1	3.0	3.6	2.9	2.9	3.0	2.5	2.0	2.3	2.8	2.8	2.8	2.5	3.6	1.6
22	2.3	3.1	3.5	3.2	2.7	1.0	0.8	1.4	2.1	2.6	2.2	2.5	2.8	3.0	3.0	3.0	3.4	3.0	2.7	2.8	2.9	2.2	2.1	1.7	2.5	3.5	0.8
23	0.9	0.5	1.2	1.3	1.5	2.4	1.0	0.8	1.8	2.8	2.5	2.9	3.2	3.7	3.9	3.6	3.3	3.2	3.4	2.9	2.9	2.8	2.2	2.1	2.4	3.9	0.5
24	1.1	1.3	0.8	1.5	1.5	1.9	2.9	3.4	4.1	4.6	3.8	2.8	2.6	2.9	2.3	3.7	9.6	11.6	9.9	4.3	3.8	4.7	3.8	3.5	3.9	11.6	0.8
25	2.4	1.9	1.7	1.2	1.1	0.7	0.6	1.5	2.1	1.7	2.3	3.2	2.5	3.4	3.3	3.5	3.2	3.4	2.9	3.4	3.7	3.0	2.8	3.5	2.5	3.7	0.6
26	2.7	2.8	2.3	2.1	1.8	1.6	1.8	2.6	2.2	2.0	2.3	2.6	3.1	3.4	3.4	3.0	3.4	2.8	2.2	1.8	1.5	2.2	2.0	2.2	2.4	3.4	1.5
27	3.9	2.2	2.0	2.1	1.2	1.2	1.2	0.8	2.0	2.3	2.9	2.7	2.4	2.9	3.6	3.4	6.0	4.5	14.0	11.4	4.2	3.9	2.8	3.8	3.6	14.0	0.8
28	3.5	3.0	1.3	1.4	2.5	2.2	3.2	4.7	4.5	4.2	3.3	2.7	2.1	2.2	1.8	4.4	1.1	1.0	0.8	2.4	2.2	1.2	1.0	1.3	2.4	4.7	0.8
29	2.0	1.6	1.1	1.3	1.6	2.3	2.6	1.5	3.1	3.3	3.3	2.3	2.9	2.8	2.8	2.1	2.6	2.5	3.2	2.5	2.4	1.0	2.6	2.0	2.3	3.3	1.0
30	1.2	0.9	0.8	0.9	1.8	2.0	1.4	1.5	2.3	2.7	2.9	3.0	3.1	3.1	3.6	3.9	3.6	3.3	3.3	2.1	1.7	2.1	2.0	2.8	2.3	3.9	0.8
Avg	1.8	1.8	1.4	1.4	1.4	1.4	1.3	1.8	2.6	3.1	2.8	2.9	2.9	3.0	3.1	3.2	3.2	3.1	3.0	2.5	2.0	1.9	1.8	1.8	2.3	--	--
Max	3.9	4.6	4.3	3.4	4.8	3.9	3.5	4.8	4.5	6.4	5.1	5.0	4.2	5.0	4.5	4.4	9.6	11.6	14.0	11.4	4.2	4.7	3.8	3.8	--	14.0	--
Min	0.5	0.3	0.1	0.2	0.3	0.3	0.2	0.5	1.4	1.7	1.7	2.0	1.7	2.0	1.8	2.1	1.1	1.0	0.8	0.9	0.7	0.3	0.3	0.1	--	--	0.1

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, WD_10m"
Month: Apr 2015

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	236	227	234	263	234	203	174	146	185	198	226	211	217	199	198	215	227	131	194	7	7	66	17	82	205	263	7
2	191	220	232	209	199	75	118	77	159	226	241	220	206	205	110	269	273	236	275	250	288	292	320	320	230	320	75
3	178	193	179	163	45	43	46	45	43	48	44	43	23	350	238	259	274	199	272	282	127	166	166	158	115	350	23
4	185	166	165	170	175	176	182	129	66	53	100	140	157	198	245	214	191	189	161	219	237	223	244	254	182	254	53
5	241	182	103	88	146	139	150	106	104	155	195	215	182	223	222	199	190	218	215	217	213	210	221	226	186	241	88
6	227	193	59	114	212	171	131	112	136	194	227	203	225	203	194	187	264	157	205	297	243	251	220	224	199	297	59
7	206	215	211	213	212	195	187	194	192	202	216	199	213	194	202	194	183	178	161	132	279	298	247	238	205	298	132
8	238	256	249	264	269	244	264	275	250	232	223	212	232	231	199	172	228	206	210	236	283	317	341	5	246	341	5
9	186	179	149	107	121	142	124	94	57	45	50	171	125	158	158	224	243	216	181	237	171	170	183	189	158	243	45
10	189	187	179	182	191	167	158	115	99	137	115	190	245	315	232	283	243	236	147	114	81	196	186	185	179	315	81
11	169	121	121	131	174	121	119	128	100	179	66	100	172	222	277	272	290	279	283	289	280	257	278	312	197	312	66
12	82	243	142	140	148	220	233	241	274	263	269	256	265	242	225	221	240	190	233	262	258	241	244	223	232	274	82
13	245	163	47	76	167	272	179	93	329	275	263	253	251	248	251	244	265	221	217	219	225	137	119	89	222	329	47
14	73	72	62	82	92	79	85	93	108	115	129	153	245	242	255	251	201	201	218	207	157	126	163	114	138	255	62
15	154	222	276	245	314	40	94	110	209	210	239	232	232	221	209	190	211	162	157	305	188	84	262	282	214	314	40
16	9	41	43	61	60	74	147	41	51	251	244	227	249	242	261	245	236	235	272	212	265	163	178	164	226	272	9
17	177	182	159	212	206	308	171	141	164	245	224	242	288	252	244	247	255	224	223	226	235	99	97	84	211	308	84
18	146	249	263	257	264	247	159	138	243	258	251	270	235	234	233	261	282	230	229	289	285	348	290	286	252	348	138
19	280	268	269	282	288	288	201	102	63	251	258	241	238	242	231	249	245	222	226	280	274	293	101	121	251	293	63
20	128	223	218	176	191	169	178	125	110	105	275	280	266	286	278	276	246	212	288	287	344	157	203	247	224	344	105
21	236	239	256	300	151	151	101	102	87	205	190	180	181	181	220	239	241	203	87	87	283	246	288	264	205	300	87
22	228	254	266	172	202	287	71	92	180	201	195	216	175	200	204	231	235	138	127	181	194	201	174	199	196	287	71
23	249	166	156	161	158	251	286	295	282	266	220	219	219	255	269	257	233	186	153	192	216	217	221	229	224	295	153
24	226	231	246	222	224	205	212	218	233	231	220	203	211	203	233	206	250	248	219	191	58	183	183	225	217	250	58
25	239	226	221	247	260	215	120	87	116	155	225	230	239	234	212	208	218	174	197	175	113	225	250	219	207	260	87
26	226	288	291	272	229	194	219	209	289	255	270	266	226	235	249	298	294	295	310	320	113	166	190	178	250	320	113
27	163	194	192	186	163	143	130	97	43	40	44	58	53	53	31	14	26	322	267	268	277	308	270	176	75	322	14
28	168	93	91	91	70	59	56	53	52	52	66	72	125	116	111	54	47	43	51	85	50	71	56	77	74	168	43
29	70	55	56	58	51	57	59	56	58	45	72	62	60	90	161	133	151	161	170	150	118	145	145	150	95	170	45
30	138	134	101	93	96	76	79	72	56	49	67	30	48	146	299	193	282	321	280	276	316	302	117	198	73	321	30
Avg	195	202	188	175	183	169	144	109	108	203	216	210	217	220	226	233	242	209	214	237	243	207	209	203	204	--	--
Max	280	288	291	300	314	308	286	295	329	275	275	280	288	350	299	298	294	322	310	320	344	348	341	320	--	350	--
Min	9	41	43	58	45	40	46	41	43	40	44	30	23	53	31	14	26	43	51	7	7	66	17	5	--	--	5

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, WD_10m"
Month: May 2015

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	198	196	192	165	174	168	152	126	118	272	266	246	265	234	268	291	294	277	255	301	336	330	327	319	247	336	118
2	280	303	258	261	274	281	247	124	69	254	240	237	268	281	260	254	285	240	234	195	201	205	256	240	251	303	69
3	220	226	230	245	240	165	170	112	84	253	216	201	243	187	227	285	272	245	215	111	259	262	279	225	225	285	84
4	210	72	265	121	61	67	60	60	56	67	100	359	268	276	249	206	232	178	20	86	180	258	89	111	100	359	20
5	130	110	214	226	87	150	122	106	244	240	224	238	260	256	233	222	215	204	345	105	81	184	190	165	191	345	81
6	184	175	181	214	112	133	127	131	262	215	147	196	217	231	231	220	178	216	165	141	168	231	219	238	190	262	112
7	233	248	268	270	251	219	253	236	211	223	217	217	220	195	229	223	223	222	209	115	209	215	239	231	226	270	115
8	232	227	245	258	263	263	246	244	251	263	225	214	225	261	188	22	200	222	286	27	305	4	309	335	258	335	4
9	269	300	227	172	234	263	45	265	239	252	238	259	253	254	245	225	245	257	279	263	270	297	298	351	260	351	45
10	201	174	167	313	301	298	309	302	234	238	239	245	242	244	253	244	230	219	220	213	258	351	202	191	243	351	167
11	169	181	167	133	100	73	64	53	59	100	132	142	142	160	130	153	150	149	182	220	115	141	155	161	136	220	53
12	229	222	134	55	199	198	81	179	242	283	243	235	191	202	197	194	197	204	202	201	204	202	203	216	204	283	55
13	219	139	98	81	77	80	86	107	123	126	106	146	179	210	191	204	255	241	192	124	360	157	210	209	151	360	77
14	263	263	0	247	215	218	216	222	215	201	189	210	202	192	213	201	208	190	180	169	183	203	218	224	212	263	0
15	205	223	231	229	224	228	227	246	220	248	197	202	190	189	194	199	216	306	130	73	94	100	146	194	203	306	73
16	217	155	207	218	219	222	209	199	223	245	227	271	238	267	228	305	229	250	264	272	153	165	142	141	221	305	141
17	141	113	95	102	102	104	95	62	113	134	148	248	269	265	247	246	297	273	270	283	125	181	181	162	165	297	62
18	184	159	177	135	127	141	140	97	112	139	145	174	229	236	214	200	211	122	47	160	54	236	190	247	164	247	47
19	186	192	119	258	145	145	139	87	285	275	244	237	285	264	224	234	249	247	290	316	62	189	188	183	221	316	62
20	185	169	178	147	135	111	109	76	50	123	129	142	147	141	178	228	221	266	284	288	317	221	274	154	168	317	50
21	241	251	199	200	180	153	128	99	93	174	199	200	196	210	204	211	204	182	203	251	223	225	225	227	199	251	93
22	216	213	197	180	80	77	101	189	198	203	205	202	198	212	211	203	137	266	258	252	283	284	278	47	208	284	47
23	184	151	141	188	264	212	101	112	266	259	276	256	249	305	255	271	246	273	271	81	354	320	328	154	246	354	81
24	187	202	177	195	188	181	136	346	273	271	275	270	266	268	280	270	264	283	295	276	281	311	341	329	262	346	136
25	355	52	122	175	81	258	124	197	250	263	279	255	279	278	249	259	272	299	284	262	280	308	155	206	256	355	52
26	68	234	266	292	114	187	233	103	113	142	274	245	259	274	280	304	292	288	273	301	192	260	278	302	259	304	68
27	276	287	269	180	187	165	120	131	98	122	287	146	147	270	291	292	280	221	146	249	290	297	319	318	238	319	98
28	342	343	115	152	192	163	162	97	80	266	258	281	228	241	243	223	283	265	260	220	326	335	288	293	252	343	80
29	304	285	266	104	161	168	126	115	342	274	275	265	265	243	264	253	245	238	297	271	319	186	202	190	247	342	104
30	172	190	171	191	170	189	151	103	84	15	276	284	274	246	288	277	277	302	246	292	309	136	197	195	227	309	15
31	194	205	228	162	155	101	75	62	50	50	347	276	287	271	276	232	230	247	237	310	149	128	225	227	220	347	50
Avg	213	204	196	191	170	172	135	121	166	227	226	229	234	239	235	239	238	241	246	239	252	232	230	216	219	--	--
Max	355	343	269	313	301	298	309	346	342	283	347	359	287	305	291	305	297	306	345	316	360	351	341	351	--	360	--
Min	68	52	0	55	61	67	45	53	50	15	100	142	142	141	130	22	137	122	20	27	54	4	89	47	--	--	0

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, WD_10m"
Month: Jun 2015

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	270	293	282	251	223	206	84	80	122	228	272	233	233	272	247	226	234	196	310	319	307	282	291	305	258	319	80
2	276	220	189	221	148	146	65	74	109	237	214	245	247	239	254	231	241	304	289	344	286	275	294	260	245	344	65
3	255	287	288	240	239	237	236	164	210	216	186	184	230	248	245	334	239	133	257	8	277	264	274	265	244	334	8
4	113	185	151	125	55	60	90	104	125	124	173	199	205	195	201	189	199	187	171	133	106	120	137	120	146	205	55
5	110	69	77	94	94	108	76	57	57	47	52	54	123	117	115	155	282	32	54	91	153	115	174	182	93	282	32
6	184	192	172	180	125	98	114	141	207	192	253	275	286	220	268	290	41	263	320	291	299	347	185	179	221	347	41
7	170	189	96	132	169	147	121	112	138	206	191	240	265	258	271	290	231	266	291	293	313	34	220	138	207	313	34
8	183	191	184	171	166	147	81	88	73	59	53	42	35	329	258	260	270	254	274	261	259	242	225	164	205	329	35
9	165	152	141	118	59	63	76	81	56	55	61	69	265	70	230	252	229	290	355	260	265	268	269	282	85	355	55
10	278	275	329	276	247	194	27	278	271	257	258	258	267	250	186	278	233	213	215	159	88	275	239	233	251	329	27
11	246	274	77	137	166	140	119	102	261	249	273	299	245	227	283	299	280	280	279	256	297	1	122	170	248	299	1
12	164	97	134	257	227	178	123	72	297	274	268	248	278	247	240	227	261	260	240	242	72	191	178	214	224	297	72
13	252	265	269	259	180	86	95	91	279	273	266	247	261	271	258	281	247	236	271	289	314	12	9	13	274	314	9
14	128	246	277	265	252	280	86	72	54	268	276	264	261	238	246	252	260	234	280	270	275	285	307	326	268	326	54
15	317	281	286	274	281	182	168	135	14	279	266	262	256	277	268	263	250	267	238	250	279	284	108	97	262	317	14
16	297	298	264	114	85	86	78	76	105	108	117	78	232	230	272	262	237	268	289	289	286	292	306	123	263	306	76
17	92	103	131	93	146	147	84	61	52	81	198	246	239	266	232	249	262	240	236	281	290	298	300	298	226	300	52
18	274	263	302	173	157	203	163	99	188	278	266	271	266	271	254	274	316	299	258	47	327	278	249	274	261	327	47
19	274	277	291	343	139	251	104	86	88	262	262	284	247	242	247	269	295	270	307	294	300	31	207	282	275	343	31
20	187	174	189	182	228	164	154	94	280	268	275	282	269	321	258	242	243	264	261	290	329	309	266	326	253	329	94
21	290	260	266	243	249	236	208	196	234	255	248	258	289	273	277	240	242	242	283	272	294	307	305	302	262	307	196
22	296	271	255	263	236	281	248	280	272	272	247	236	279	261	262	268	246	261	269	263	274	300	290	297	268	300	236
23	237	343	264	268	252	255	221	4	330	272	264	260	227	262	274	266	268	259	265	269	281	292	294	302	272	343	4
24	324	301	116	174	110	89	75	83	94	105	140	154	166	242	236	247	50	47	42	40	63	67	122	78	96	324	40
25	86	102	107	126	131	123	140	97	112	106	186	277	238	244	289	260	253	271	260	263	277	263	238	231	206	289	86
26	221	226	222	224	222	238	216	215	247	255	262	261	256	243	246	250	277	257	242	247	256	271	276	236	244	277	215
27	221	202	221	230	208	191	254	40	102	318	286	358	266	293	270	262	120	109	50	45	103	75	164	80	210	358	40
28	87	72	159	164	104	91	72	59	53	52	126	125	139	29	121	179	133	194	223	262	246	271	98	29	114	271	29
29	259	262	93	136	130	120	122	41	280	270	267	266	258	264	237	278	263	271	294	281	277	305	253	269	262	305	41
30	257	202	57	122	121	89	67	213	267	272	265	261	245	263	242	246	263	271	259	270	290	270	237	244	250	290	57
Avg	233	238	204	193	173	156	113	91	112	255	243	256	249	257	249	256	253	255	274	282	291	297	244	255	245	--	--
Max	324	343	329	343	281	281	254	280	330	318	286	358	289	329	289	334	316	304	355	344	329	347	307	326	--	358	--
Min	86	69	57	93	55	60	27	4	14	47	52	42	35	29	115	155	41	32	42	8	63	1	9	13	--	--	1

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, DeltaTemp_C"
Month: Apr 2015

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	0.40	0.51	0.45	0.44	0.54	0.76	0.50	-0.24	-0.63	-1.00	-0.95	-1.16	-1.17	-1.25	-1.04	-0.75	-0.63	-0.31	0.02	0.21	0.30	0.47	0.66	0.99	-0.12	0.99	-1.25
2	1.16	0.57	0.40	0.63	0.71	0.48	0.50	-0.03	-0.45	-0.66	-0.93	-0.83	-1.12	-0.93	-1.07	-0.82	-0.70	-0.35	-0.01	0.06	0.14	0.14	0.22	0.44	-0.10	1.16	-1.12
3	0.77	0.71	0.70	0.80	0.42	0.32	0.11	-0.30	-0.69	-1.09	-1.40	-1.82	-1.62	-1.61	-1.35	-1.09	-0.67	-0.35	0.08	0.13	0.48	0.73	0.77	1.02	-0.21	1.02	-1.82
4	0.97	0.56	0.81	0.77	0.84	0.95	0.82	-0.20	-0.76	-1.23	-1.38	-1.31	-1.31	-1.27	-0.79	-0.69	-0.47	-0.17	0.11	0.30	0.36	0.31	0.31	0.21	-0.10	0.97	-1.38
5	0.34	0.53	0.83	0.82	0.81	0.86	0.42	-0.31	-0.82	-1.02	-1.27	-1.28	-1.28	-1.01	-1.04	-0.99	-0.63	-0.20	0.09	0.36	0.33	0.33	0.22	0.36	-0.15	0.86	-1.28
6	0.51	0.60	0.62	0.69	0.91	0.84	0.86	-0.17	-0.77	-1.03	-1.05	-1.29	-1.14	-1.37	-1.11	-0.93	-0.67	-0.34	0.04	0.23	0.74	0.59	1.33	0.90	-0.04	1.33	-1.37
7	1.26	0.97	0.47	0.37	0.43	0.56	0.42	-0.10	-0.66	-1.00	-1.19	-1.39	-1.23	-1.09	-1.07	-0.79	-0.61	-0.27	0.04	0.19	0.14	0.23	0.27	0.41	-0.15	1.26	-1.39
8	0.37	0.24	0.24	0.21	0.24	0.22	0.10	-0.11	-0.46	-0.79	-1.12	-1.16	-1.24	-1.22	-1.14	-0.98	-0.73	-0.41	-0.06	0.07	0.12	0.14	0.31	0.38	-0.28	0.38	-1.24
9	0.56	0.74	0.91	0.62	0.43	0.44	0.09	-0.31	-0.94	-1.50	-1.81	-1.48	-1.60	-1.52	-1.46	-1.19	-0.80	-0.46	0.02	0.25	0.70	0.68	0.86	0.70	-0.25	0.91	-1.81
10	0.50	0.50	0.62	0.84	1.09	0.69	0.54	-0.36	-0.84	-1.13	-1.40	-1.53	-1.53	-1.38	-1.30	-1.08	-0.79	-0.33	0.04	0.34	0.66	0.79	0.70	0.78	-0.15	1.09	-1.53
11	0.50	0.57	0.46	0.68	1.06	0.95	0.70	-0.41	-0.85	-1.13	-1.47	-1.65	-1.35	-1.10	-0.99	-0.69	-0.37	-0.45	-0.02	0.12	0.67	0.50	0.39	0.59	-0.14	1.06	-1.65
12	0.64	0.35	0.17	0.12	0.21	0.15	0.12	-0.02	-0.24	-0.50	-0.81	-1.05	-1.01	-0.87	-0.58	-0.38	-0.29	-0.30	-0.06	0.04	0.09	0.10	0.16	0.31	-0.15	0.64	-1.05
13	0.44	0.58	0.53	0.52	0.62	0.81	0.46	-0.53	-0.54	-0.46	-0.76	-1.05	-1.19	-1.25	-1.16	-0.88	-0.85	-0.52	-0.05	0.14	0.26	0.56	0.62	0.52	-0.13	0.81	-1.25
14	0.46	0.58	0.64	0.59	0.54	0.57	0.29	-0.39	-0.71	-1.05	-1.40	-1.61	-1.36	-1.30	-1.09	-1.02	-0.73	-0.30	-0.03	0.10	0.13	0.24	0.25	0.36	-0.26	0.64	-1.61
15	0.26	0.29	0.30	0.31	0.31	0.53	0.37	-0.32	-0.74	-1.06	-0.93	-0.99	-1.00	-1.18	-0.97	-0.86	-0.59	-0.38	-0.03	0.07	0.06	0.13	0.16	0.21	-0.25	0.53	-1.18
16	0.32	0.29	0.19	0.25	0.26	0.35	0.05	-0.64	-1.04	-1.02	-1.09	-1.18	-1.26	-1.25	-1.15	-1.07	-0.79	-0.56	-0.07	0.14	0.31	0.42	0.73	0.81	-0.29	0.81	-1.26
17	0.74	0.64	0.73	0.95	0.99	0.84	0.37	-0.42	-0.83	-0.86	-1.11	-1.16	-1.21	-1.29	-1.06	-0.94	-0.79	-0.38	-0.08	0.12	0.50	0.44	0.39	0.55	-0.12	0.99	-1.29
18	0.51	0.64	0.42	0.39	0.56	0.73	0.43	-0.50	-0.51	-0.80	-0.95	-0.91	-1.27	-1.19	-1.07	-0.99	-0.73	-0.43	-0.03	0.08	0.25	0.40	0.31	0.16	-0.19	0.73	-1.27
19	0.18	0.25	0.21	0.29	0.55	0.62	0.66	-0.37	-0.71	-0.69	-0.99	-1.25	-1.43	-1.24	-1.27	-0.96	-0.84	-0.48	-0.02	0.13	0.57	1.13	0.89	0.59	-0.17	1.13	-1.43
20	0.91	0.86	0.66	1.00	0.94	1.04	0.74	-0.42	-1.01	-1.00	-0.81	-0.93	-1.28	-1.33	-1.30	-1.13	-0.92	-0.48	-0.05	0.18	0.40	0.55	0.58	0.17	-0.11	1.04	-1.33
21	0.20	0.22	0.37	0.73	0.60	0.72	0.94	0.02	-0.87	-1.00	-1.24	-1.71	-1.72	-1.64	-1.50	-1.19	-0.96	-0.46	0.04	0.18	0.20	0.16	0.09	0.10	-0.32	0.94	-1.72
22	0.23	0.19	0.23	0.58	0.58	0.79	0.47	-0.40	-0.91	-1.00	-1.38	-1.41	-1.68	-1.57	-1.39	-1.17	-1.03	-0.57	-0.03	0.08	0.14	0.17	0.17	0.11	-0.37	0.79	-1.68
23	0.07	0.35	0.78	0.63	0.74	0.56	0.04	-0.39	-0.46	-0.72	-1.13	-1.43	-1.50	-1.34	-1.09	-1.09	-0.91	-0.50	-0.14	-0.02	-0.05	0.04	0.03	-0.01	-0.31	0.78	-1.50
24	0.03	0.07	0.18	0.07	-0.01	-0.12	-0.19	-0.44	-0.37	-0.69	-1.03	-0.38	-1.03	-1.16	-0.42	-0.43	-0.47	-0.44	-0.04	0.20	0.44	0.45	0.57	0.17	-0.21	0.57	-1.16
25	0.22	0.22	0.27	0.29	0.39	0.67	-0.10	-0.65	-0.87	-0.91	-1.07	-1.37	-1.10	-1.08	-0.99	-0.72	-0.29	-0.09	0.03	0.06	0.14	0.16	0.13	-0.06	-0.28	0.67	-1.37
26	0.04	-0.04	-0.02	0.03	-0.03	-0.08	-0.07	-0.10	-0.09	-0.16	-0.19	-0.37	-0.42	-0.79	-0.60	-0.28	-0.35	-0.11	-0.01	0.10	0.33	0.31	0.37	0.51	-0.08	0.51	-0.79
27	0.76	0.66	0.61	1.12	0.95	0.63	-0.05	-0.57	-0.76	-0.99	-1.41	-1.72	-1.77	-1.42	-1.19	-1.38	-0.96	-0.76	-0.09	0.10	0.16	0.56	0.78	0.82	-0.25	1.12	-1.77
28	1.12	0.71	0.40	0.40	0.29	0.30	-0.12	-0.56	-0.87	-1.24	-1.43	-1.67	-1.50	-1.53	-1.64	-1.49	-1.29	-0.72	0.01	0.11	0.26	0.27	0.32	0.24	-0.40	1.12	-1.67
29	0.22	0.25	0.28	0.28	0.31	0.25	-0.11	-0.49	-0.90	-1.37	-1.42	-1.55	-1.77	-1.51	-1.43	-1.23	-0.90	-0.51	0.24	0.91	0.62	0.88	0.59	0.74	-0.32	0.91	-1.77
30	0.72	0.68	0.80	0.96	0.81	0.75	0.15	-0.42	-0.97	-1.48	-1.61	-1.61	-1.79	-1.45	-1.14	-1.32	-0.96	-0.49	-0.02	0.14	0.17	0.48	0.73	0.87	-0.25	0.96	-1.79
Avg	0.51	0.48	0.47	0.55	0.57	0.57	0.32	-0.34	-0.71	-0.95	-1.16	-1.27	-1.33	-1.27	-1.11	-0.95	-0.73	-0.40	0.00	0.17	0.32	0.41	0.46	0.46	-0.21	--	--
Max	1.26	0.97	0.91	1.12	1.09	1.04	0.94	0.02	-0.09	-0.16	-0.19	-0.37	-0.42	-0.79	-0.42	-0.28	-0.29	-0.09	0.24	0.91	0.74	1.13	1.33	1.02	--	1.33	--
Min	0.03	-0.04	-0.02	0.03	-0.03	-0.12	-0.19	-0.65	-1.04	-1.50	-1.81	-1.82	-1.79	-1.64	-1.64	-1.49	-1.29	-0.76	-0.14	-0.02	-0.05	0.04	0.03	-0.06	--	--	-1.82

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, DeltaTemp_C"
Month: May 2015

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	1.13	1.16	1.14	0.85	1.14	1.15	0.99	-0.28	-0.60	-0.39	-0.70	-1.05	-1.02	-1.24	-1.10	-0.84	-0.75	-0.43	0.03	0.10	0.39	0.37	0.35	0.24	0.03	1.16	-1.24
2	0.33	0.70	0.95	0.38	0.44	0.41	0.56	-0.01	-0.71	-0.35	-0.51	-0.61	-1.11	-1.19	-1.11	-1.04	-0.83	-0.46	0.00	0.33	0.47	0.22	0.28	0.36	-0.10	0.95	-1.19
3	0.12	0.13	0.29	0.27	0.34	0.49	0.23	-0.49	-0.96	-0.85	-1.05	-1.41	-1.48	-1.16	-1.32	-1.07	-0.74	-0.46	-0.06	0.20	0.08	0.01	0.32	0.25	-0.35	0.49	-1.48
4	0.54	0.42	0.23	0.18	0.36	0.19	-0.07	-0.22	-0.58	-0.21	-0.14	-0.55	-0.79	-1.12	-0.62	-0.43	-0.09	0.42	0.55	0.58	0.58	0.21	0.39	0.28	0.00	0.58	-1.12
5	0.18	0.10	0.11	0.12	0.04	0.09	-0.06	-0.31	-0.40	-0.53	-0.60	-0.46	-0.56	-0.63	-0.76	-0.56	-0.62	-0.40	-0.04	0.25	0.50	0.52	0.60	0.68	-0.11	0.68	-0.76
6	0.77	1.08	0.76	0.54	0.46	0.71	0.35	-0.12	-0.31	-0.72	-0.70	-1.09	-1.07	-1.07	-1.09	-0.80	-0.68	-0.36	0.00	0.11	0.13	0.06	0.11	0.08	-0.12	1.08	-1.09
7	0.19	0.35	0.16	0.19	0.58	0.82	0.10	-0.37	-0.71	-0.81	-1.13	-1.26	-1.25	-0.99	-0.93	-0.86	-0.63	-0.26	-0.01	-0.18	0.16	0.06	0.04	0.07	-0.28	0.82	-1.26
8	0.12	0.16	0.23	0.20	0.27	0.16	0.02	-0.32	-0.56	-0.70	-1.00	-0.94	-0.77	-0.62	-0.54	-0.88	-0.58	-0.30	-0.12	0.04	0.02	0.08	0.00	0.01	-0.25	0.27	-1.00
9	0.00	-0.03	-0.03	-0.06	0.04	0.07	-0.17	-0.34	-0.70	-0.90	-1.15	-1.20	-1.25	-1.38	-1.25	-1.06	-0.80	-0.55	-0.16	0.04	0.09	0.11	0.37	0.55	-0.41	0.55	-1.38
10	0.69	0.74	0.84	0.82	0.29	0.36	0.05	-0.16	-0.57	-0.90	-0.87	-1.11	-1.16	-1.31	-1.03	-1.06	-0.88	-0.67	-0.09	0.16	0.24	0.34	0.93	0.91	-0.14	0.93	-1.31
11	0.88	0.92	0.82	0.78	0.45	0.35	-0.02	-0.60	-0.94	-0.94	-1.29	-1.49	-1.66	-1.25	-1.21	-1.04	-0.86	-0.37	0.12	0.93	0.98	0.82	1.31	0.70	-0.11	1.31	-1.66
12	0.44	0.69	0.72	0.67	0.98	0.91	0.72	-0.28	-0.42	-0.63	-0.74	-0.58	-0.70	-0.68	-0.54	-0.46	-0.37	-0.26	0.01	0.15	0.15	0.14	0.13	0.21	0.01	0.98	-0.74
13	0.37	0.36	0.42	0.45	0.38	0.35	-0.33	-0.68	-0.91	-1.31	-1.49	-1.55	-1.64	-1.59	-1.44	-0.87	-0.60	-0.55	-0.13	0.02	0.25	0.38	0.40	0.49	-0.38	0.49	-1.64
14	0.13	0.06	0.27	0.62	0.26	0.08	-0.02	-0.33	-0.80	-0.84	-1.23	-1.35	-1.31	-1.24	-1.02	-0.83	-0.57	-0.28	-0.14	-0.06	-0.04	-0.08	-0.07	-0.10	-0.37	0.62	-1.35
15	-0.11	-0.12	-0.13	-0.08	-0.04	-0.02	-0.17	-0.33	-0.44	-0.54	-1.36	-1.52	-0.97	-0.56	-0.63	-0.69	-0.16	-0.17	-0.12	0.15	0.27	0.12	0.09	0.15	-0.31	0.27	-1.52
16	-0.11	-0.17	-0.58	-0.14	-0.05	-0.04	-0.10	-0.14	-0.47	-0.37	-0.34	-0.63	-1.09	-0.68	-0.77	-1.07	-0.66	-0.35	-0.15	0.17	0.34	0.51	0.70	0.51	-0.24	0.70	-1.09
17	0.48	0.42	0.32	0.31	0.22	0.22	-0.03	-0.72	-0.81	-1.10	-1.11	-0.93	-1.22	-1.38	-1.24	-1.02	-0.88	-0.60	-0.15	0.14	0.84	0.77	0.82	0.72	-0.25	0.84	-1.38
18	0.91	1.03	0.90	0.66	0.79	1.17	0.26	-0.54	-0.78	-0.99	-1.23	-1.29	-0.77	-0.65	-0.65	-0.55	-0.54	-0.12	-0.03	0.02	0.03	0.11	0.25	0.33	-0.07	1.17	-1.29
19	0.67	1.04	0.88	0.69	0.58	0.68	0.04	-0.62	-0.42	-0.53	-0.97	-1.10	-1.35	-1.28	-1.33	-1.16	-0.95	-0.58	-0.17	0.12	0.54	0.62	0.80	0.45	-0.14	1.04	-1.35
20	0.78	0.65	0.67	1.44	1.13	0.48	-0.04	-0.42	-1.23	-1.10	-1.27	-1.34	-1.28	-1.33	-1.20	-0.87	-0.58	-0.22	-0.08	0.10	0.62	0.28	0.17	0.75	-0.16	1.44	-1.34
21	0.63	0.77	0.62	0.86	0.80	0.85	0.52	-0.03	-0.46	-0.79	-1.16	-1.35	-1.42	-1.30	-0.98	-0.88	-0.73	-0.42	-0.15	0.00	0.08	0.16	0.18	0.20	-0.17	0.86	-1.42
22	0.28	0.23	0.38	0.51	0.41	0.39	0.16	-0.37	-0.78	-1.13	-1.25	-1.36	-1.43	-1.25	-1.11	-0.90	-0.81	-0.64	-0.32	-0.16	-0.02	0.01	0.03	0.22	-0.37	0.51	-1.43
23	0.39	0.56	0.88	0.62	0.49	0.54	-0.26	-0.63	-0.55	-0.78	-1.18	-1.33	-1.24	-1.65	-1.39	-1.18	-1.09	-0.65	-0.25	0.05	0.15	0.35	0.76	0.58	-0.28	0.88	-1.65
24	0.47	0.54	0.49	0.61	0.76	0.45	-0.12	-0.35	-0.46	-0.69	-0.94	-1.27	-1.30	-1.12	-0.71	-0.99	-0.99	-0.66	-0.22	0.04	0.13	0.15	0.46	0.24	-0.23	0.76	-1.30
25	0.55	0.89	0.64	0.77	0.77	1.39	0.21	-0.44	-0.63	-0.76	-1.06	-1.19	-1.31	-1.25	-1.21	-1.08	-0.97	-0.62	-0.22	0.10	0.12	0.50	0.66	0.92	-0.13	1.39	-1.31
26	1.45	0.97	0.42	0.29	0.55	0.64	0.07	-0.71	-0.97	-1.08	-0.80	-1.32	-1.23	-1.26	-1.49	-1.24	-0.61	-0.31	-0.12	0.05	0.54	0.75	0.46	0.67	-0.18	1.45	-1.49
27	0.53	0.66	0.68	0.75	0.75	0.90	0.37	-0.15	-0.52	-0.66	-0.68	-1.48	-1.61	-1.23	-1.11	-1.05	-0.65	-0.29	-0.02	0.17	0.64	0.58	0.48	0.40	-0.11	0.90	-1.61
28	0.60	0.65	0.90	0.68	0.93	0.97	0.38	-0.65	-1.04	-0.69	-0.86	-1.23	-1.35	-1.32	-1.19	-1.30	-1.01	-0.55	-0.17	0.13	0.33	0.39	0.54	0.38	-0.19	0.97	-1.35
29	0.23	0.21	0.68	1.06	0.66	0.92	0.00	-0.60	-0.53	-0.47	-0.79	-1.15	-1.48	-1.47	-1.36	-1.27	-1.06	-0.61	-0.16	0.14	0.40	0.76	1.03	1.05	-0.16	1.06	-1.48
30	0.77	1.04	0.92	1.10	0.86	0.98	0.24	-0.58	-1.06	-1.10	-0.55	-0.96	-1.01	-1.23	-1.31	-1.11	-1.00	-0.51	-0.14	0.05	0.18	0.76	1.07	0.85	-0.07	1.10	-1.31
31	0.95	1.00	0.95	0.93	1.20	0.77	0.03	-0.66	-1.30	-1.66	-1.55	-1.08	-1.21	-1.13	-1.13	-1.12	-0.87	-0.59	-0.20	0.13	0.48	0.93	0.38	0.27	-0.19	1.20	-1.66
Avg	0.50	0.56	0.53	0.55	0.54	0.56	0.13	-0.40	-0.70	-0.79	-0.96	-1.13	-1.19	-1.15	-1.06	-0.95	-0.73	-0.41	-0.09	0.13	0.31	0.35	0.45	0.43	-0.19	--	--
Max	1.45	1.16	1.14	1.44	1.20	1.39	0.99	-0.01	-0.31	-0.21	-0.14	-0.46	-0.56	-0.56	-0.54	-0.43	-0.09	0.42	0.55	0.93	0.98	0.93	1.31	1.05	--	1.45	--
Min	-0.11	-0.17	-0.58	-0.14	-0.05	-0.04	-0.33	-0.72	-1.30	-1.66	-1.55	-1.55	-1.66	-1.65	-1.49	-1.30	-1.09	-0.67	-0.32	-0.18	-0.04	-0.08	-0.07	-0.10	--	--	-1.66

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, DeltaTemp_C"
Month: Jun 2015

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	0.45	0.79	0.20	0.27	0.74	1.06	0.31	-0.73	-1.02	-0.94	-1.07	-1.26	-1.32	-1.25	-1.17	-1.14	-0.97	-0.52	-0.26	0.16	0.30	0.35	0.48	0.50	-0.25	1.06	-1.32
2	0.89	0.85	0.78	0.88	0.77	0.66	-0.02	-0.88	-0.94	-0.82	-1.23	-1.36	-1.32	-1.45	-1.27	-1.17	-0.91	-0.66	-0.25	0.14	0.14	0.32	0.36	0.62	-0.24	0.89	-1.45
3	0.47	0.66	0.62	0.68	1.06	1.11	0.21	-0.54	-0.78	-1.11	-1.40	-1.53	-1.46	-1.36	-1.19	-1.19	-0.92	-0.63	-0.21	0.14	0.15	0.58	0.35	0.45	-0.24	1.11	-1.53
4	0.95	1.09	0.95	0.98	0.92	0.55	-0.02	-0.64	-1.00	-1.29	-1.40	-1.11	-0.90	-0.55	-0.35	-0.24	-0.25	-0.11	-0.08	0.29	0.38	0.24	0.25	0.22	-0.05	1.09	-1.40
5	0.32	0.41	0.40	0.42	0.58	0.21	0.19	0.20	0.07	-0.34	-0.61	-0.74	-0.29	-0.63	-0.68	-0.49	-0.79	-0.94	-0.42	-0.03	0.09	0.13	0.27	0.38	-0.10	0.58	-0.94
6	0.41	0.43	0.52	0.44	0.69	0.53	0.51	-0.20	-0.43	-0.49	-0.37	-0.99	-1.06	-1.34	-1.36	-1.26	-1.04	-0.74	-0.29	0.07	0.17	0.64	0.91	0.64	-0.15	0.91	-1.36
7	1.00	1.07	0.70	0.76	0.97	0.68	-0.04	-0.57	-0.88	-1.12	-1.52	-1.35	-1.22	-1.39	-1.38	-1.04	-0.95	-0.73	-0.35	0.02	0.19	0.55	0.69	0.67	-0.22	1.07	-1.52
8	0.88	0.82	0.72	1.27	0.75	0.45	0.05	-0.14	-0.68	-0.82	-1.71	-1.30	-1.37	-1.08	-0.67	-0.55	-0.34	-0.21	-0.01	0.11	0.31	0.25	0.18	0.14	-0.12	1.27	-1.71
9	0.10	-0.02	-0.04	0.07	0.21	0.01	0.10	-0.15	-0.28	-0.50	-0.72	-0.55	-0.66	-1.37	-0.95	-0.37	-0.19	-0.06	-0.04	0.04	0.04	-0.02	-0.03	-0.01	-0.23	0.21	-1.37
10	-0.04	-0.05	0.02	0.09	0.20	0.10	-0.30	-0.25	-0.29	-0.58	-0.88	-0.77	-0.76	-1.19	-1.22	-0.86	-0.87	-0.63	-0.34	0.03	0.14	0.12	0.16	0.22	-0.33	0.22	-1.22
11	0.30	0.25	0.63	0.32	0.42	0.52	-0.11	-0.63	-0.67	-0.80	-1.44	-1.29	-1.40	-1.48	-1.13	-1.10	-1.03	-0.70	-0.32	0.03	0.10	0.47	0.73	0.66	-0.32	0.73	-1.48
12	0.88	0.77	0.88	0.65	0.73	0.60	-0.11	-0.73	-0.59	-0.52	-0.83	-1.29	-1.46	-1.39	-1.40	-1.44	-0.98	-0.71	-0.35	0.10	0.41	0.78	0.60	0.98	-0.18	0.98	-1.46
13	1.44	0.24	0.23	0.57	0.72	0.52	-0.23	-0.74	-0.48	-0.59	-0.87	-1.22	-1.33	-1.39	-1.27	-1.08	-0.97	-0.68	-0.34	0.03	0.10	0.34	0.84	0.70	-0.23	1.44	-1.39
14	0.66	0.40	0.15	0.17	0.30	0.60	-0.30	-0.89	-0.91	-0.70	-0.80	-1.03	-1.37	-1.45	-1.39	-1.22	-0.88	-0.75	-0.26	0.02	0.07	0.18	0.23	0.17	-0.37	0.66	-1.45
15	0.12	0.12	0.58	0.59	0.37	0.82	-0.05	-0.60	-1.09	-0.51	-0.77	-1.10	-1.39	-1.33	-1.16	-1.18	-0.99	-0.66	-0.26	0.06	0.07	0.15	0.67	0.99	-0.27	0.99	-1.39
16	0.36	0.16	0.43	1.00	0.51	0.29	-0.15	-0.74	-0.97	-1.39	-1.63	-1.61	-1.26	-1.55	-1.24	-1.08	-0.89	-0.54	-0.27	0.02	0.05	0.09	0.16	0.49	-0.41	1.00	-1.63
17	0.47	0.44	1.11	0.91	1.27	0.98	-0.09	-0.90	-1.58	-1.70	-1.23	-1.23	-1.31	-1.22	-1.23	-1.13	-0.80	-0.62	-0.28	0.06	0.07	0.11	0.13	0.14	-0.32	1.27	-1.70
18	0.28	0.50	0.94	0.98	1.00	0.98	0.30	-0.68	-0.75	-0.71	-1.22	-0.97	-1.14	-1.26	-1.07	-0.95	-0.87	-0.66	-0.27	0.15	0.26	0.52	0.39	0.29	-0.16	1.00	-1.26
19	0.45	0.46	0.23	0.56	1.21	0.99	0.30	-0.76	-1.14	-0.71	-1.18	-1.36	-1.36	-1.27	-1.19	-1.19	-0.88	-0.59	-0.24	0.06	0.21	0.66	1.11	1.38	-0.18	1.38	-1.36
20	1.21	1.02	1.13	1.24	1.07	1.12	0.26	-0.58	-0.97	-0.74	-0.89	-1.17	-1.29	-1.38	-1.35	-1.36	-1.13	-0.70	-0.29	0.11	0.32	0.93	1.13	0.88	-0.06	1.24	-1.38
21	0.26	0.25	0.19	0.16	0.19	0.16	-0.09	-0.55	-0.72	-0.99	-1.22	-1.12	-1.11	-1.18	-1.28	-1.18	-1.00	-0.55	-0.28	0.02	0.04	0.10	0.11	0.12	-0.40	0.26	-1.28
22	0.13	0.12	0.15	0.09	0.20	0.23	-0.06	-0.32	-0.56	-0.69	-1.21	-1.56	-1.27	-1.24	-1.23	-1.20	-0.84	-0.53	-0.26	0.03	0.09	0.21	0.26	0.32	-0.38	0.32	-1.56
23	0.99	0.87	0.64	0.58	0.61	0.23	-0.05	-0.63	-0.60	-0.60	-0.91	-1.26	-1.33	-0.96	-0.90	-0.98	-0.76	-0.56	-0.27	0.02	0.03	0.03	0.09	0.15	-0.23	0.99	-1.33
24	0.27	0.60	0.64	1.23	0.88	0.54	-0.07	-0.13	-0.80	-1.11	-0.88	-1.08	-1.64	-1.40	-1.04	-1.27	-0.83	-0.64	-0.44	0.13	0.18	0.06	0.01	0.07	-0.28	1.23	-1.64
25	0.19	0.30	0.26	0.33	0.34	0.43	0.07	-0.72	-1.00	-1.29	-1.41	-1.11	-1.55	-1.49	-1.31	-1.20	-0.96	-0.68	-0.39	-0.10	-0.03	0.01	0.10	0.11	-0.46	0.43	-1.55
26	0.17	0.17	0.10	0.14	0.23	0.36	-0.05	-0.52	-0.71	-1.00	-1.43	-1.28	-1.27	-1.42	-1.29	-1.14	-0.85	-0.61	-0.38	-0.05	0.02	0.04	0.03	0.05	-0.45	0.36	-1.43
27	0.01	0.05	0.14	0.17	0.13	0.06	-0.02	-0.66	-1.10	-1.29	-1.06	-1.58	-1.26	-1.52	-1.41	-1.25	-1.04	-0.43	0.02	0.53	0.51	0.32	0.42	0.28	-0.42	0.53	-1.58
28	0.18	0.46	0.71	0.63	0.24	0.33	-0.15	-0.72	-1.28	-1.84	-1.31	-1.70	-1.61	-1.74	-1.30	-0.50	0.66	0.13	0.25	0.08	0.33	0.43	0.54	0.63	-0.27	0.71	-1.84
29	0.55	0.25	0.53	0.62	0.48	0.25	-0.10	-0.58	-0.43	-0.63	-0.78	-1.11	-1.03	-1.08	-1.24	-0.57	-0.42	-0.34	-0.21	0.00	0.03	0.17	0.16	0.09	-0.22	0.62	-1.24
30	0.13	0.46	0.39	0.52	0.29	0.19	-0.50	-0.55	-0.65	-0.88	-0.93	-1.20	-1.49	-1.21	-1.10	-0.86	-0.62	-0.25	0.01	-0.03	0.03	0.05	0.11	0.08	-0.33	0.52	-1.49
Avg	0.48	0.47	0.50	0.58	0.60	0.52	-0.01	-0.55	-0.77	-0.89	-1.10	-1.21	-1.24	-1.29	-1.16	-1.01	-0.78	-0.54	-0.24	0.07	0.16	0.29	0.38	0.41	-0.26	--	--
Max	1.44	1.09	1.13	1.27	1.27	1.12	0.51	0.20	0.07	-0.34	-0.37	-0.55	-0.29	-0.55	-0.35	-0.24	0.66	0.13	0.25	0.53	0.51	0.93	1.13	1.38	--	1.44	--
Min	-0.04	-0.05	-0.04	0.07	0.13	0.01	-0.50	-0.90	-1.58	-1.84	-1.71	-1.70	-1.64	-1.74	-1.41	-1.44	-1.13	-0.94	-0.44	-0.10	-0.03	-0.02	-0.03	-0.01	--	--	-1.84

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, Temp_2m_C"
Month: Apr 2015

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	18.7	17.9	17.5	16.9	16.6	15.8	14.7	16.5	18.4	19.4	20.2	21.4	22.3	23.1	23.5	23.1	23.0	22.2	21.2	20.2	19.6	18.9	18.1	16.6	19.4	23.5	14.7
2	16.7	16.9	15.8	14.7	14.2	13.0	13.1	14.1	16.2	17.4	18.7	19.5	20.6	20.9	21.2	21.1	20.9	20.4	19.3	18.8	18.2	17.7	17.1	16.4	17.6	21.2	13.0
3	14.0	13.8	13.0	11.7	12.8	12.3	11.8	12.2	13.4	15.2	17.0	19.2	20.3	21.5	22.2	22.4	22.0	21.1	19.8	19.0	17.1	16.4	15.4	15.3	16.6	22.4	11.7
4	15.6	15.3	14.1	12.6	11.8	11.1	11.2	14.1	17.7	19.7	21.6	22.5	23.4	23.8	23.3	22.9	22.3	21.5	20.6	19.8	19.5	19.2	18.9	18.1	18.4	23.8	11.1
5	17.5	15.7	13.9	13.2	12.8	12.5	12.5	14.2	16.8	18.5	19.5	20.6	21.7	21.9	22.4	22.9	22.5	21.5	20.6	19.7	19.3	18.1	17.4	16.5	18.0	22.9	12.5
6	15.7	14.6	13.1	12.7	12.4	11.2	11.8	13.2	16.1	17.2	18.4	19.7	20.3	20.9	21.2	21.2	21.0	20.2	19.0	18.1	16.8	16.6	14.9	15.9	16.8	21.2	11.2
7	15.1	14.5	14.1	13.5	13.2	13.0	13.2	14.5	15.8	17.1	18.4	19.7	20.5	20.9	21.5	21.4	21.3	20.7	19.5	18.2	16.8	16.4	15.6	14.7	17.1	21.5	13.0
8	13.9	13.4	12.8	12.1	11.4	10.7	10.5	11.1	12.0	13.2	14.1	14.9	15.8	16.1	16.6	16.5	16.1	15.5	14.5	13.7	13.3	13.0	12.6	11.1	13.5	16.6	10.5
9	9.6	8.9	9.1	9.7	9.0	8.0	7.8	10.2	13.0	14.7	16.6	17.7	18.9	20.2	21.2	21.2	20.7	19.6	18.1	17.1	15.5	14.3	13.9	13.1	14.5	21.2	7.8
10	13.2	12.4	12.6	12.5	12.2	11.1	11.0	13.1	16.1	18.2	19.3	20.2	20.7	21.1	21.8	21.7	21.4	20.4	19.3	18.3	17.5	15.7	15.4	15.3	16.7	21.8	11.0
11	15.1	14.8	13.9	13.3	12.9	12.5	12.1	14.3	16.8	18.5	19.8	20.9	21.3	21.7	21.8	21.4	20.5	20.5	19.6	19.1	17.1	17.5	17.5	16.7	17.5	21.8	12.1
12	16.0	15.5	14.7	14.2	13.7	13.5	13.2	13.2	13.2	13.7	15.2	16.7	17.5	17.7	17.5	17.2	17.3	17.7	17.1	16.4	15.8	15.5	15.3	14.7	15.5	17.7	13.2
13	14.0	12.9	11.9	11.7	10.6	11.1	10.6	12.7	15.0	15.3	17.6	19.5	20.9	22.1	22.6	22.8	23.0	22.5	21.3	20.5	20.0	18.3	16.9	16.3	17.1	23.0	10.6
14	15.9	15.3	14.8	15.0	14.2	13.8	13.7	16.0	17.7	18.8	20.5	22.0	22.7	23.6	23.6	23.9	23.6	22.9	22.4	22.0	21.3	20.2	19.6	18.9	19.3	23.9	13.7
15	18.5	17.6	16.7	15.9	15.4	14.1	13.5	15.5	17.2	18.1	18.6	18.9	19.3	19.7	19.5	19.2	18.7	17.8	16.5	15.6	14.6	13.2	11.9	10.9	16.5	19.7	10.9
16	9.5	8.5	7.7	6.6	6.6	5.7	6.0	8.4	9.6	10.3	11.1	11.8	12.3	13.0	13.2	13.5	13.4	13.1	12.4	11.7	11.3	9.8	9.0	8.7	10.1	13.5	5.7
17	8.5	8.4	7.9	7.8	7.6	8.4	6.5	9.3	12.1	13.1	14.2	15.0	15.8	16.3	16.6	16.7	16.8	16.3	15.6	15.1	14.1	13.2	12.7	12.5	12.5	16.8	6.5
18	12.3	13.6	13.7	13.5	13.1	11.6	11.2	13.6	15.2	16.2	17.8	18.6	20.0	20.5	21.0	21.4	21.4	21.2	20.3	19.7	19.1	18.8	18.6	18.6	17.1	21.4	11.2
19	18.1	17.3	16.7	16.3	15.9	15.2	14.0	15.4	18.1	18.8	20.4	21.8	22.8	23.2	23.8	23.5	23.6	23.0	22.0	21.3	20.4	18.2	17.3	17.9	19.4	23.8	14.0
20	17.9	17.0	16.5	14.7	14.9	14.8	15.2	16.0	18.7	20.3	21.1	22.6	23.7	24.4	24.7	24.6	24.5	23.7	22.7	21.9	21.0	18.7	18.2	18.4	19.8	24.7	14.7
21	17.3	16.5	16.0	15.2	13.7	13.8	13.4	15.3	18.4	19.5	20.5	22.1	23.0	23.5	23.5	23.4	23.1	22.3	21.0	20.2	19.7	18.3	17.2	16.4	18.9	23.5	13.4
22	15.9	15.2	14.7	13.0	12.5	12.6	12.3	14.5	16.7	17.6	18.9	19.6	21.3	21.7	22.1	22.1	21.9	21.4	20.3	19.3	18.2	17.3	16.6	15.6	17.5	22.1	12.3
23	14.4	13.4	12.1	11.6	11.1	12.2	12.4	14.2	14.9	16.5	18.3	19.1	19.9	19.9	19.9	20.0	19.9	19.2	18.0	17.3	16.6	15.6	14.5	13.4	16.0	20.0	11.1
24	11.9	10.8	10.2	10.0	10.0	10.0	9.9	10.2	9.9	11.0	12.6	10.6	12.7	14.4	13.6	14.3	15.0	15.5	15.1	14.6	13.8	12.1	12.0	13.3	12.2	15.5	9.9
25	12.6	12.1	11.3	10.4	9.6	9.1	9.6	11.1	12.2	13.3	14.5	15.8	16.7	17.6	18.1	18.4	17.9	16.4	15.8	14.4	12.8	10.6	9.1	7.8	13.2	18.4	7.8
26	8.1	6.8	6.8	7.1	6.8	6.5	6.6	6.5	6.4	6.6	6.9	7.7	8.3	9.8	11.3	11.5	12.2	11.7	12.0	11.3	9.2	9.7	9.2	8.8	8.7	12.2	6.4
27	8.9	8.6	8.2	7.4	7.2	6.9	8.4	11.6	13.9	15.0	16.6	18.2	19.4	20.1	20.5	21.4	21.3	21.4	19.5	18.5	18.2	17.3	16.4	15.4	15.0	21.4	6.9
28	15.5	13.9	13.5	13.1	12.6	12.0	12.5	14.1	15.7	17.5	19.4	21.0	21.7	22.4	23.4	23.4	23.2	22.4	21.0	19.3	17.6	17.2	16.7	16.2	17.7	23.4	12.0
29	15.4	14.9	14.7	14.2	14.3	14.0	14.5	15.9	18.4	19.8	21.4	22.8	23.6	24.4	25.3	25.4	25.4	24.8	23.5	21.9	20.7	19.6	18.7	17.3	19.6	25.4	14.0
30	17.7	17.1	16.3	16.4	16.0	16.3	17.2	19.2	21.4	23.6	25.3	26.4	27.3	27.8	27.8	28.6	28.3	27.7	26.4	25.3	24.9	24.0	22.4	21.1	22.7	28.6	16.0
Avg	14.4	13.8	13.2	12.6	12.2	11.7	11.7	13.3	15.2	16.5	17.8	18.9	19.8	20.5	20.8	20.9	20.7	20.1	19.2	18.3	17.3	16.4	15.6	15.1	16.5	--	--
Max	18.7	17.9	17.5	16.9	16.6	16.3	17.2	19.2	21.4	23.6	25.3	26.4	27.3	27.8	27.8	28.6	28.3	27.7	26.4	25.3	24.9	24.0	22.4	21.1	--	28.6	--
Min	8.1	6.8	6.8	6.6	6.6	5.7	6.0	6.5	6.4	6.6	6.9	7.7	8.3	9.8	11.3	11.5	12.2	11.7	12.0	11.3	9.2	9.7	9.0	7.8	--	--	5.7

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, Temp_2m_C"
Month: May 2015

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	20.4	20.3	20.7	19.5	18.9	17.3	18.0	20.6	23.6	24.1	25.4	27.1	27.9	28.9	29.1	29.1	28.9	28.2	26.9	26.3	25.2	25.0	24.9	24.9	24.2	29.1	17.3
2	24.1	23.0	22.3	21.3	19.7	19.3	18.7	19.1	21.2	21.6	22.5	23.7	25.7	26.8	26.8	27.0	27.0	26.4	25.5	24.6	23.6	23.4	22.9	21.6	23.2	27.0	18.7
3	20.7	19.6	18.8	18.4	17.7	16.5	16.5	18.5	20.9	21.9	23.1	24.2	24.8	25.2	26.0	25.8	25.6	25.3	24.2	23.2	22.7	21.6	19.3	18.9	21.6	26.0	16.5
4	15.4	13.9	14.0	13.4	12.9	12.4	12.7	13.3	14.7	14.4	14.7	16.0	18.6	20.0	19.8	19.6	16.3	12.2	12.6	13.6	13.0	13.2	12.2	11.9	14.6	20.0	11.9
5	12.1	11.8	11.8	11.6	11.3	11.2	11.6	12.5	13.8	14.2	15.2	15.3	15.9	16.7	17.7	18.0	19.2	19.1	18.6	17.8	16.8	15.5	14.9	14.6	14.9	19.2	11.2
6	14.6	14.4	14.6	14.9	13.4	12.9	12.7	14.6	16.4	17.7	18.0	19.2	20.0	21.1	21.7	21.9	22.0	21.8	21.1	20.0	18.6	17.5	16.7	15.8	17.6	22.0	12.7
7	14.7	13.7	13.0	12.4	12.1	12.3	12.7	13.8	14.7	15.2	16.5	17.8	19.0	19.2	19.9	20.3	20.5	19.7	18.1	15.4	15.7	16.3	15.5	14.3	15.9	20.5	12.1
8	13.2	12.5	11.7	11.1	11.0	10.7	10.8	11.2	11.6	12.4	13.5	13.4	13.2	13.5	14.2	14.8	13.8	12.7	12.4	12.0	11.7	11.4	11.0	10.5	12.3	14.8	10.5
9	9.3	8.6	8.4	8.1	7.2	6.8	7.3	7.9	9.1	10.4	11.7	12.7	13.8	14.7	15.2	15.3	15.3	15.0	14.2	13.5	13.2	13.0	12.4	11.7	11.4	15.3	6.8
10	10.9	10.3	9.8	11.1	12.4	12.2	12.9	13.6	14.6	16.0	17.0	18.2	18.8	20.0	20.3	20.9	21.0	20.7	19.7	18.9	18.4	17.5	16.1	15.4	16.1	21.0	9.8
11	15.0	14.6	14.1	14.3	14.7	14.2	16.1	17.9	20.2	21.9	23.4	24.2	25.1	25.2	25.7	26.0	26.3	25.8	25.0	23.6	21.6	20.5	19.5	19.7	20.6	26.3	14.1
12	20.3	18.5	16.7	16.5	16.2	15.8	16.0	18.6	19.7	20.2	20.9	21.0	21.1	21.5	21.8	21.7	21.4	21.1	20.4	19.8	19.3	18.5	17.9	17.2	19.3	21.8	15.8
13	16.2	14.9	13.5	12.7	12.0	12.0	13.2	15.1	16.7	18.5	20.1	21.6	22.8	23.4	24.4	24.0	23.5	23.5	22.5	20.9	21.0	19.9	19.4	18.4	18.8	24.4	12.0
14	18.6	18.3	17.6	17.2	17.4	16.4	15.9	16.3	18.0	18.7	19.4	20.3	21.1	22.1	21.9	22.0	21.1	19.6	18.2	16.8	15.9	15.3	14.6	13.7	18.2	22.1	13.7
15	13.3	12.5	11.4	10.9	10.6	10.2	10.3	10.5	11.1	11.7	13.7	14.9	14.6	13.7	13.6	13.7	12.0	9.1	10.0	10.1	10.1	10.0	10.2	9.8	11.6	14.9	9.1
16	7.4	6.0	6.7	6.8	6.9	6.9	6.9	7.1	7.6	8.2	8.8	9.9	11.9	12.1	13.1	14.6	14.1	13.9	13.6	12.8	11.5	10.2	9.8	9.6	9.8	14.6	6.0
17	10.0	10.6	10.4	10.6	10.3	10.1	10.7	13.6	15.2	16.9	18.3	19.2	19.9	20.8	21.3	21.5	21.6	21.4	20.4	19.6	17.3	16.8	16.6	15.8	16.2	21.6	10.0
18	16.0	15.0	14.7	13.6	13.1	12.3	13.4	16.2	18.9	20.7	21.9	22.8	22.1	21.7	21.8	22.3	22.7	21.4	20.9	20.3	19.3	18.2	17.2	16.3	18.4	22.8	12.3
19	14.3	13.5	12.8	13.2	11.9	11.5	12.4	14.8	15.8	16.6	18.1	19.1	20.2	20.8	21.3	21.5	21.3	20.8	20.0	19.2	17.5	16.0	15.6	15.5	16.8	21.5	11.5
20	14.9	14.7	14.4	14.4	13.3	12.7	14.0	17.1	19.9	21.6	22.5	23.3	24.0	24.9	25.5	25.1	24.4	23.3	22.7	22.1	21.0	20.3	19.4	17.6	19.7	25.5	12.7
21	18.0	16.7	15.7	15.0	14.6	15.1	15.1	16.1	17.9	19.9	20.7	21.7	22.4	23.3	23.0	23.1	23.5	22.7	20.9	19.2	18.1	17.6	16.9	16.0	18.9	23.5	14.6
22	15.2	14.6	14.1	13.5	12.6	12.2	12.7	14.5	15.8	17.3	18.7	19.7	20.1	20.1	19.8	19.7	18.9	18.1	16.7	14.3	14.4	13.9	13.3	12.5	16.0	20.1	12.2
23	11.6	10.8	10.3	10.6	11.0	9.5	10.6	12.7	13.6	14.6	15.8	16.8	17.5	18.4	18.9	18.9	19.0	18.4	17.6	16.7	16.3	15.6	14.4	13.4	14.7	19.0	9.5
24	13.0	13.2	12.8	12.6	12.0	11.5	12.6	14.6	15.2	16.5	17.8	19.1	19.8	19.6	19.0	20.0	20.3	20.1	19.0	18.2	17.8	17.5	16.6	16.9	16.5	20.3	11.5
25	16.0	14.5	14.3	14.2	13.6	13.4	14.3	16.7	17.8	18.7	19.9	20.9	21.6	22.2	22.8	23.1	23.2	22.7	22.1	21.3	20.8	19.8	18.2	18.2	18.8	23.2	13.4
26	17.8	18.2	18.7	17.0	15.5	15.6	17.0	18.5	20.5	22.1	22.8	24.5	25.2	25.6	26.4	26.4	25.6	24.8	24.2	23.6	21.8	21.8	22.3	21.6	21.6	26.4	15.5
27	20.5	19.4	18.5	16.7	16.6	16.7	16.8	18.8	20.9	22.2	22.9	25.6	26.6	26.5	26.6	27.1	26.6	25.7	25.1	24.4	23.3	22.8	22.3	21.9	22.3	27.1	16.6
28	21.6	21.2	19.4	18.3	17.9	17.1	18.7	21.8	24.4	24.7	25.5	26.7	27.5	28.2	28.4	28.8	28.4	27.7	26.7	25.6	24.9	24.4	23.6	23.6	24.0	28.8	17.1
29	23.8	23.6	22.5	20.4	20.1	19.7	19.7	22.9	25.0	24.9	26.2	27.6	28.8	29.6	29.9	30.3	30.1	29.6	28.6	27.5	26.5	24.2	23.3	23.2	25.3	30.3	19.7
30	23.4	22.4	22.5	21.7	21.3	20.9	21.7	24.4	26.9	28.3	28.1	30.0	30.8	31.4	31.8	31.9	31.7	30.9	30.1	29.2	28.6	26.0	25.1	24.9	26.8	31.9	20.9
31	25.1	25.0	24.1	22.9	21.3	20.9	23.6	25.5	27.6	29.5	30.6	31.1	32.3	32.4	32.6	32.6	32.2	31.8	30.9	30.0	29.0	27.3	27.7	26.7	28.0	32.6	20.9
Avg	16.4	15.7	15.2	14.7	14.2	13.8	14.4	16.1	17.7	18.8	19.8	20.9	21.7	22.3	22.6	22.8	22.5	21.7	20.9	20.0	19.2	18.4	17.7	17.2	18.5	--	--
Max	25.1	25.0	24.1	22.9	21.3	20.9	23.6	25.5	27.6	29.5	30.6	31.1	32.3	32.4	32.6	32.6	32.2	31.8	30.9	30.0	29.0	27.3	27.7	26.7	--	32.6	--
Min	7.4	6.0	6.7	6.8	6.9	6.8	6.9	7.1	7.6	8.2	8.8	9.9	11.9	12.1	13.1	13.7	12.0	9.1	10.0	10.1	10.1	10.0	9.8	9.6	--	--	6.0

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, Temp_2m_C"
Month: Jun 2015

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	25.7	24.4	24.5	23.9	22.9	21.7	21.6	25.0	27.0	27.6	28.7	29.8	30.3	30.7	30.9	31.3	31.2	30.7	29.9	28.8	28.0	27.2	26.6	26.1	27.3	31.3	21.6
2	24.9	23.8	22.5	22.3	21.0	20.0	21.2	23.8	25.8	26.5	28.0	28.9	29.8	30.5	30.8	30.9	30.6	30.0	29.1	28.0	27.2	26.4	25.9	25.0	26.4	30.9	20.0
3	24.0	23.7	23.3	23.1	22.1	21.4	22.0	23.3	24.3	25.5	27.2	28.3	29.4	29.9	29.9	30.1	30.0	29.8	28.5	27.3	26.2	24.9	24.7	24.1	26.0	30.1	21.4
4	22.6	20.4	20.0	19.4	19.1	19.4	20.3	22.9	25.0	26.6	28.0	28.2	28.4	28.2	27.6	25.8	24.9	24.7	23.3	19.4	17.6	17.5	17.9	18.5	22.8	28.4	17.5
5	18.8	18.0	17.6	17.7	16.5	16.0	15.4	15.6	16.4	16.8	18.4	19.2	21.1	22.5	22.9	24.1	24.0	23.6	22.4	20.6	19.3	18.4	17.9	17.7	19.2	24.1	15.4
6	17.6	18.1	18.2	18.7	18.4	18.6	18.8	20.9	22.6	23.0	22.0	24.5	25.3	26.3	26.8	27.1	27.0	26.7	25.8	24.8	24.3	22.8	21.1	20.2	22.5	27.1	17.6
7	20.1	21.0	19.3	18.8	18.4	17.4	19.5	22.6	24.7	25.6	26.9	27.9	28.2	28.7	29.0	28.8	29.2	29.1	28.3	27.2	26.5	24.6	24.1	23.9	24.6	29.2	17.4
8	23.2	22.8	22.1	21.9	21.1	21.3	22.0	23.3	25.6	27.7	30.4	30.9	32.0	32.0	31.3	31.3	31.0	31.0	30.5	29.8	29.2	28.8	28.3	27.2	27.3	32.0	21.1
9	26.2	24.9	23.2	20.7	21.0	21.3	20.8	20.2	21.5	22.3	23.6	23.7	24.1	26.5	27.1	26.1	25.3	22.4	23.3	23.4	23.1	22.7	22.3	21.7	23.2	27.1	20.2
10	20.9	20.2	19.9	19.5	19.6	19.3	20.0	20.3	20.5	21.8	23.1	23.5	24.3	25.8	26.5	26.4	26.7	26.3	25.6	24.6	23.7	23.0	22.5	21.9	22.8	26.7	19.3
11	21.3	21.0	20.1	19.5	19.2	19.3	20.1	21.8	22.9	23.8	25.4	26.0	27.0	27.6	27.5	28.0	28.2	27.8	27.2	26.2	25.7	24.5	22.8	22.0	24.0	28.2	19.2
12	22.2	21.8	20.9	21.9	20.8	20.3	20.6	23.3	24.6	25.4	27.1	28.8	29.8	30.3	31.0	31.2	30.8	30.4	29.7	28.5	27.4	26.4	24.8	24.7	25.9	31.2	20.3
13	24.5	24.6	23.9	22.9	21.6	20.8	21.3	23.8	24.8	25.9	27.4	29.4	30.3	31.1	31.3	31.1	31.4	30.9	30.1	29.1	28.4	27.0	26.1	26.0	26.8	31.4	20.8
14	25.0	25.4	24.8	24.0	22.6	21.8	21.9	24.5	26.3	27.0	28.5	29.8	31.0	31.8	32.5	32.7	32.4	32.3	31.3	30.6	29.9	29.5	29.5	29.6	28.1	32.7	21.8
15	29.4	28.3	26.6	26.1	25.5	24.2	25.2	27.9	29.7	28.7	30.5	32.3	34.2	34.7	34.7	35.0	34.8	34.2	33.5	32.6	31.8	31.1	29.1	28.3	30.3	35.0	24.2
16	29.7	29.5	27.8	25.8	24.7	24.5	25.8	28.6	30.2	31.6	33.0	34.0	34.4	35.4	35.8	35.7	35.4	34.6	33.8	32.6	31.8	31.4	31.2	27.4	31.0	35.8	24.5
17	26.0	25.8	25.3	24.4	24.6	23.4	25.4	28.6	30.7	32.3	33.1	34.2	35.2	35.3	35.8	35.8	35.4	35.2	34.6	33.3	32.6	32.4	32.2	31.8	31.0	35.8	23.4
18	31.1	30.0	28.0	27.9	26.8	26.6	27.5	30.4	31.9	32.4	34.2	34.7	35.4	36.0	36.0	35.7	35.9	35.4	34.7	33.6	32.8	32.0	31.5	30.7	32.1	36.0	26.6
19	30.3	30.2	30.6	30.0	27.3	27.9	27.2	29.7	31.8	32.3	33.6	34.6	35.1	35.4	35.8	35.8	35.7	35.0	34.0	33.0	32.0	30.3	29.1	28.5	31.9	35.8	27.2
20	27.0	26.7	26.2	25.8	26.6	24.6	25.6	28.2	30.7	31.3	32.4	33.6	34.2	34.8	35.0	35.3	35.2	34.7	33.9	32.6	31.9	30.5	29.2	29.7	30.7	35.3	24.6
21	31.0	28.8	27.2	26.0	25.1	24.9	25.0	25.8	26.2	27.3	28.7	29.8	30.9	32.0	32.9	33.4	33.5	32.7	32.0	31.0	30.3	30.0	30.0	29.9	29.4	33.5	24.9
22	29.6	28.8	27.0	26.1	25.2	23.9	24.3	25.1	26.4	27.9	30.1	32.1	33.0	33.4	34.0	34.5	34.0	33.5	32.8	31.5	30.6	29.8	29.6	29.2	29.7	34.5	23.9
23	27.7	26.9	27.3	26.8	26.3	25.9	26.0	28.0	29.6	30.0	31.4	32.9	33.7	33.3	33.9	34.5	34.4	34.1	33.3	32.3	31.7	31.6	31.5	31.3	30.6	34.5	25.9
24	30.8	29.6	28.1	26.9	25.1	25.0	26.5	26.8	28.8	30.3	31.0	31.6	33.5	34.1	34.7	35.2	29.4	28.2	27.6	29.9	29.4	27.8	26.9	26.8	29.3	35.2	25.0
25	25.7	25.5	24.8	24.0	23.9	23.6	24.8	27.4	28.7	30.3	31.8	32.3	34.0	34.6	34.7	34.9	34.7	34.2	33.5	32.4	31.8	31.6	31.1	29.3	30.0	34.9	23.6
26	28.0	27.1	26.4	25.8	25.2	24.6	25.0	25.6	26.3	27.7	29.1	30.3	31.4	32.6	33.1	33.2	32.8	32.5	31.9	31.1	30.7	30.4	30.4	29.8	29.2	33.2	24.6
27	27.9	26.8	26.1	26.0	25.8	25.3	24.9	26.4	28.7	30.5	31.0	33.2	33.4	34.5	34.8	34.8	31.2	26.9	21.3	19.8	20.5	22.0	21.6	22.3	27.3	34.8	19.8
28	21.8	22.7	23.0	22.1	21.3	22.1	23.8	25.5	27.8	30.1	30.9	32.2	33.1	33.8	34.0	31.4	25.5	28.8	30.2	28.9	27.7	26.7	25.4	26.5	27.3	34.0	21.3
29	26.5	25.6	23.9	22.9	23.4	23.4	25.2	28.1	27.3	28.2	29.6	31.5	32.1	33.0	33.7	32.8	32.6	32.5	32.4	31.5	30.1	29.1	28.3	27.5	28.8	33.7	22.9
30	26.9	25.9	25.4	24.1	23.6	23.5	24.6	26.0	26.8	27.5	28.4	29.9	31.8	32.5	32.6	31.5	31.1	30.4	29.3	28.9	28.9	28.6	28.0	27.1	28.1	32.6	23.5
Avg	25.5	25.0	24.1	23.5	22.8	22.4	23.1	25.0	26.5	27.5	28.8	29.9	30.9	31.6	31.9	31.8	31.1	30.6	29.8	28.8	28.0	27.3	26.7	26.2	27.4	--	--
Max	31.1	30.2	30.6	30.0	27.3	27.9	27.5	30.4	31.9	32.4	34.2	34.7	35.4	36.0	36.0	35.8	35.9	35.4	34.7	33.6	32.8	32.4	32.2	31.8	--	36.0	--
Min	17.6	18.0	17.6	17.7	16.5	16.0	15.4	15.6	16.4	16.8	18.4	19.2	21.1	22.5	22.9	24.1	24.0	22.4	21.3	19.4	17.6	17.5	17.9	17.7	--	--	15.4

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, SR_Wm2_2m"
Month: Apr 2015

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	49	269	495	718	871	963	985	930	774	588	431	197	18	0	0	0	0	0	304	985	0
2	0	0	0	0	0	0	65	224	400	630	805	746	965	837	659	567	410	199	20	0	0	0	0	0	272	965	0
3	0	0	0	0	0	0	64	294	548	762	913	1001	1004	921	826	642	408	188	17	0	0	0	0	0	316	1004	0
4	0	0	0	0	0	0	45	278	508	672	847	852	939	876	599	510	311	135	22	0	0	0	0	0	275	939	0
5	0	0	0	0	0	0	67	303	549	755	908	970	955	733	735	646	390	141	25	0	0	0	0	0	299	970	0
6	0	0	0	0	0	0	73	312	556	769	918	1005	1020	965	847	667	417	182	22	0	0	0	0	0	323	1020	0
7	0	0	0	0	0	0	78	324	567	780	930	1018	981	901	756	531	395	168	25	0	0	0	0	0	311	1018	0
8	0	0	0	0	0	0	79	318	557	764	914	997	1012	961	841	672	449	209	27	0	0	0	0	0	325	1012	0
9	0	0	0	0	0	0	64	281	515	771	924	1012	1024	972	853	678	456	216	26	0	0	0	0	0	325	1024	0
10	0	0	0	0	0	0	85	329	569	775	927	1011	1027	969	847	681	460	165	33	0	0	0	0	0	328	1027	0
11	0	0	0	0	0	0	84	320	554	800	936	1005	850	736	649	420	247	220	26	0	0	0	0	0	285	1005	0
12	0	0	0	0	0	0	22	97	320	435	757	983	870	559	412	270	227	173	34	0	0	0	0	0	215	983	0
13	0	0	0	0	0	0	97	342	581	783	927	1006	1016	959	838	669	450	216	28	0	0	0	0	0	330	1016	0
14	0	0	0	0	0	0	97	336	571	772	914	993	973	910	819	672	393	169	31	0	0	0	0	0	319	993	0
15	0	0	0	0	0	0	99	335	575	773	918	999	1016	960	846	682	463	229	33	0	0	0	0	0	330	1016	0
16	0	0	0	0	0	0	115	367	611	818	964	1043	1053	998	871	700	475	234	32	0	0	0	0	0	345	1053	0
17	0	0	0	0	0	0	97	338	597	803	947	1033	1049	995	870	700	455	187	40	0	0	0	0	0	338	1049	0
18	0	0	0	0	0	0	92	359	597	800	943	1023	1035	985	865	696	471	234	33	0	0	0	0	0	339	1035	0
19	0	0	0	0	0	0	121	362	597	800	939	1019	1029	979	854	692	480	236	36	0	0	0	0	0	339	1029	0
20	0	0	0	0	0	0	123	364	599	797	940	1020	1033	979	861	696	476	236	34	0	0	0	0	0	340	1033	0
21	0	0	0	0	0	1	64	286	587	793	941	1023	1037	977	860	696	473	215	17	0	0	0	0	0	332	1037	0
22	0	0	0	0	0	1	131	369	606	808	943	1021	1034	987	863	693	467	226	38	0	0	0	0	0	341	1034	0
23	0	0	0	0	0	1	133	371	605	805	957	1034	1046	971	872	695	463	244	41	0	0	0	0	0	343	1046	0
24	0	0	0	0	0	1	59	160	158	383	711	325	805	591	263	427	289	210	46	0	0	0	0	0	184	805	0
25	0	0	0	0	0	2	143	332	528	475	780	944	806	796	533	425	148	26	10	0	0	0	0	0	248	944	0
26	1	1	0	0	0	0	11	30	59	137	164	410	239	577	473	229	335	108	29	0	0	0	0	0	117	577	0
27	0	0	0	0	0	4	158	396	628	822	958	1030	1027	810	625	697	372	253	45	0	0	0	0	0	326	1030	0
28	0	0	0	0	0	5	157	394	623	813	948	1024	1032	982	920	655	508	232	44	0	0	0	0	0	347	1032	0
29	0	0	0	0	0	5	164	406	637	833	970	1047	1056	1004	891	730	502	261	40	0	0	0	0	0	356	1056	0
30	0	0	0	0	0	6	167	408	639	829	964	1033	1031	967	843	715	491	241	34	0	0	0	0	0	349	1033	0
Avg	0	0	0	0	0	1	93	310	531	723	882	953	965	893	759	611	410	198	30	0	0	0	0	0	307	--	--
Max	1	1	0	0	0	6	167	408	639	833	970	1047	1056	1004	920	730	508	261	46	0	0	0	0	0	--	1056	--
Min	0	0	0	0	0	0	11	30	59	137	164	325	239	559	263	229	148	26	10	0	0	0	0	0	--	--	0

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, SR_Wm2_2m"
Month: May 2015

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	4	157	402	628	823	959	1036	1043	989	879	714	493	225	36	0	0	0	0	0	349	1043	0
2	0	0	0	0	0	3	57	171	475	451	419	553	1030	976	870	706	485	258	54	0	0	0	0	0	271	1030	0
3	0	0	0	0	0	3	127	341	615	727	829	1039	871	758	876	701	420	250	48	0	0	0	1	0	317	1039	0
4	0	1	0	0	0	3	135	146	422	330	187	726	992	1007	425	360	128	5	12	2	0	0	0	0	203	1007	0
5	0	0	0	0	0	2	38	308	406	500	507	356	475	428	662	328	479	259	62	0	0	0	0	0	200	662	0
6	0	0	0	0	0	6	104	261	494	672	509	750	890	865	785	637	451	258	59	1	0	0	0	0	281	890	0
7	0	0	0	0	0	12	172	414	530	713	903	925	974	689	659	516	387	137	46	0	0	0	0	0	295	974	0
8	0	0	0	0	0	11	154	393	651	785	850	688	505	516	416	660	305	139	48	0	0	0	0	0	255	850	0
9	0	0	0	0	0	14	191	433	667	875	1029	1060	1067	1007	897	733	509	275	59	1	0	0	0	0	367	1067	0
10	0	0	0	0	0	15	187	425	649	839	972	1042	1053	995	890	730	508	277	61	1	0	0	0	0	360	1053	0
11	0	0	0	0	0	17	194	441	660	830	990	1076	1075	750	709	613	461	218	61	1	0	0	0	0	337	1076	0
12	0	0	0	0	0	13	190	427	582	672	582	464	354	442	381	314	269	198	35	1	0	0	0	0	205	672	0
13	0	0	0	0	0	17	197	432	657	833	924	976	1004	971	776	485	345	262	50	0	0	0	0	0	330	1004	0
14	0	0	0	0	0	5	81	332	629	594	878	1051	904	848	742	597	411	177	50	0	0	0	0	0	304	1051	0
15	0	0	0	0	0	10	108	233	223	320	724	901	397	246	286	314	44	47	67	2	0	0	0	0	163	901	0
16	0	1	2	0	0	2	26	99	327	310	269	607	871	594	454	774	370	212	74	1	0	0	0	0	208	871	0
17	0	0	0	0	0	7	138	447	675	862	986	1059	1062	1004	895	738	515	288	73	1	0	0	0	0	365	1062	0
18	0	0	0	0	0	20	200	436	659	846	992	836	592	463	611	429	446	66	28	1	0	0	0	0	276	992	0
19	0	0	0	0	0	23	210	446	672	863	993	1063	1070	1017	910	750	527	297	79	1	0	0	0	0	372	1070	0
20	0	0	0	0	0	19	176	394	680	832	995	998	792	935	746	586	344	180	78	2	0	0	0	0	323	998	0
21	0	0	0	0	0	12	83	169	367	647	830	1010	961	983	784	630	497	310	83	2	0	0	0	0	307	1010	0
22	0	0	0	0	0	14	117	270	602	892	1008	1093	1076	1016	849	694	509	327	78	1	0	0	0	0	356	1093	0
23	0	0	0	0	0	21	202	436	636	858	992	1065	1070	1006	895	755	525	300	85	2	0	0	0	0	369	1070	0
24	0	0	0	0	0	26	210	442	661	845	979	980	934	711	429	722	531	309	89	2	0	0	0	0	328	980	0
25	0	0	0	0	0	27	209	438	658	838	966	1038	1048	994	891	739	524	303	88	2	0	0	0	0	365	1048	0
26	0	0	0	0	0	26	213	446	662	843	969	1019	1050	984	864	617	369	187	83	4	0	0	0	0	347	1050	0
27	0	0	0	0	0	7	143	222	375	472	671	1025	1018	1006	907	744	403	171	49	6	0	0	0	0	301	1025	0
28	0	0	0	0	0	31	221	455	675	855	985	1058	1077	1014	911	759	543	310	89	2	0	0	0	0	374	1077	0
29	0	0	0	0	0	26	226	456	671	854	979	1050	1064	1010	911	758	543	318	95	2	0	0	0	0	373	1064	0
30	0	0	0	0	0	33	214	448	650	839	972	1038	1052	997	894	741	524	278	99	3	0	0	0	0	366	1052	0
31	0	0	0	0	0	29	195	430	652	828	953	1028	1043	992	891	738	527	306	96	3	0	0	0	0	363	1043	0
Avg	0	0	0	0	0	15	157	361	578	724	832	923	917	845	745	632	432	231	65	1	0	0	0	0	311	--	--
Max	0	1	2	0	0	33	226	456	680	892	1029	1093	1077	1017	911	774	543	327	99	6	0	0	1	0	--	1093	--
Min	0	0	0	0	0	2	26	99	223	310	187	356	354	246	286	314	44	5	12	0	0	0	0	0	--	--	0

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, SR_Wm2_2m"
Month: Jun 2015

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	32	214	445	675	869	996	1070	1082	1027	921	764	547	322	101	1	0	0	0	0	378	1082	0
2	0	0	0	0	0	27	226	452	669	850	979	1054	1062	1008	911	760	543	317	101	3	0	0	0	0	373	1062	0
3	0	0	0	0	0	35	231	462	686	867	997	1071	1083	1030	927	766	554	326	104	2	0	0	0	0	381	1083	0
4	0	0	0	0	0	37	229	466	689	881	809	660	545	286	221	110	163	59	12	0	0	0	0	0	215	881	0
5	0	0	0	0	0	1	19	89	176	302	343	391	300	515	577	293	499	323	103	4	0	0	0	0	164	577	0
6	0	0	0	0	0	29	48	363	408	420	650	1055	982	942	890	743	536	320	105	3	0	0	0	0	312	1055	0
7	0	0	0	0	0	37	223	449	663	841	967	1038	1048	996	896	750	543	325	108	3	0	0	0	0	370	1048	0
8	0	0	0	0	0	18	79	217	502	421	821	574	627	635	426	430	298	161	51	7	0	0	0	0	219	821	0
9	0	0	0	0	0	16	45	103	172	248	304	202	496	589	494	130	90	124	60	7	0	0	0	0	128	589	0
10	0	0	0	0	0	12	118	181	277	552	701	578	450	831	719	644	477	307	110	4	0	0	0	0	248	831	0
11	0	0	0	0	0	20	168	370	587	860	1015	1005	1066	984	901	743	542	326	112	4	0	0	0	0	363	1066	0
12	0	0	0	0	0	33	212	437	652	834	962	1036	1046	997	898	754	545	326	114	3	0	0	0	0	369	1046	0
13	0	0	0	0	0	34	215	439	655	836	959	1039	1054	1005	903	754	545	323	109	4	0	0	0	0	370	1054	0
14	0	0	0	0	0	33	212	435	645	826	951	1024	1038	989	894	748	541	330	75	10	0	0	0	0	365	1038	0
15	0	0	0	0	0	33	210	430	641	824	949	1021	1034	988	892	737	533	323	116	5	0	0	0	0	364	1034	0
16	0	0	0	0	0	19	206	434	645	819	943	1014	1028	995	896	749	546	326	119	5	0	0	0	0	364	1028	0
17	0	0	0	0	0	31	210	435	645	820	947	1024	1039	987	895	752	547	328	117	4	0	0	0	0	366	1039	0
18	0	0	0	0	0	30	209	435	649	827	957	1029	1040	996	903	754	547	331	118	3	0	0	0	0	368	1040	0
19	0	0	0	0	0	28	206	438	612	832	953	1031	1042	997	897	757	553	289	111	8	0	0	0	0	365	1042	0
20	0	0	0	0	0	32	219	451	671	854	984	1058	1071	1021	923	774	565	342	123	4	0	0	0	0	379	1071	0
21	0	0	0	0	0	28	201	422	633	814	947	1019	1031	983	884	736	532	320	118	7	0	0	0	0	361	1031	0
22	0	0	0	0	0	24	187	407	625	806	935	1007	1021	980	887	745	541	329	118	5	0	0	0	0	359	1021	0
23	0	0	0	0	0	23	181	398	614	801	930	1014	851	847	815	738	529	316	116	7	0	0	0	0	341	1014	0
24	0	0	0	0	0	11	167	151	534	706	386	615	930	953	773	642	269	228	144	21	0	0	0	0	272	953	0
25	0	0	0	0	0	22	182	396	612	791	917	990	1004	968	888	735	539	356	153	16	0	0	0	0	357	1004	0
26	0	0	0	0	0	24	167	399	602	786	924	998	1010	963	871	693	436	291	102	6	0	0	0	0	345	1010	0
27	0	0	0	0	0	7	62	309	615	788	920	986	730	974	915	793	379	126	2	0	0	0	0	0	317	986	0
28	0	0	0	0	0	21	191	416	623	825	785	906	1065	738	619	228	216	220	78	11	0	0	0	0	289	1065	0
29	0	0	0	0	0	26	191	410	622	800	928	1003	753	761	725	266	254	211	76	8	0	0	0	0	293	1003	0
30	0	0	0	0	0	30	196	397	617	767	918	991	1005	966	763	498	356	84	13	5	0	0	0	0	317	1005	0
Avg	0	0	0	0	0	25	174	375	581	749	859	917	918	898	804	633	459	277	96	6	0	0	0	0	324	--	--
Max	0	0	0	0	0	37	231	466	689	881	1015	1071	1083	1030	927	793	565	356	153	21	0	0	0	0	--	1083	--
Min	0	0	0	0	0	1	19	89	172	248	304	202	300	286	221	110	90	59	2	0	0	0	0	0	--	--	0

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, RH_Percent"
Month: Apr 2015

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	30	32	33	35	35	38	41	36	35	33	29	27	24	22	20	18	17	16	14	14	15	16	19	21	26	41	14
2	21	17	19	23	23	26	24	22	18	15	13	12	10	11	13	15	16	17	20	18	17	17	18	18	18	26	10
3	22	20	20	22	20	17	17	16	16	15	14	12	11	10	9	8	7	8	9	10	13	14	15	16	14	22	7
4	15	16	19	20	22	23	22	18	14	15	13	11	10	9	9	8	8	9	11	12	12	12	12	12	14	23	8
5	13	16	20	21	22	22	22	20	19	16	15	14	10	9	9	9	8	7	4	3	4	6	6	7	13	22	3
6	9	10	12	12	12	14	13	12	12	13	12	13	11	7	6	7	8	10	11	11	10	10	13	10	11	14	6
7	11	10	13	14	11	13	15	17	17	13	10	8	7	9	8	8	8	8	9	11	14	15	16	17	12	17	7
8	15	15	17	18	20	23	24	24	24	25	26	25	23	23	22	21	21	22	24	27	27	23	19	19	22	27	15
9	22	22	19	17	20	26	27	20	16	15	15	13	12	9	7	8	8	9	10	9	11	14	15	16	15	27	7
10	15	17	17	16	16	18	18	17	13	11	11	12	11	11	9	8	7	7	9	10	10	13	13	14	13	18	7
11	15	15	18	19	19	20	20	19	17	14	13	12	11	11	12	12	12	10	10	10	12	12	12	15	14	20	10
12	17	18	18	17	19	20	21	27	35	50	45	36	28	22	20	23	26	27	30	32	34	37	39	41	28	50	17
13	49	55	58	60	65	68	65	56	48	53	45	37	32	27	26	25	23	23	26	28	29	32	35	36	42	68	23
14	38	40	41	39	41	40	39	32	28	28	25	23	20	19	16	15	16	18	19	18	15	15	14	16	26	41	14
15	17	17	20	23	26	29	29	25	26	24	20	18	10	10	8	7	6	5	6	6	8	8	9	10	15	29	5
16	12	12	12	14	14	15	15	13	12	11	9	9	9	8	9	8	9	10	11	13	13	16	18	18	12	18	8
17	18	18	19	19	20	18	22	20	22	19	16	13	11	11	13	13	12	12	14	17	19	20	21	21	17	22	11
18	21	19	18	18	19	22	22	19	17	16	14	12	11	11	11	10	10	10	11	12	12	12	12	12	15	22	10
19	12	13	14	15	16	17	18	18	16	14	12	11	10	10	9	9	8	8	9	10	11	14	15	20	13	20	8
20	19	19	17	20	19	19	18	19	15	13	11	10	9	8	8	8	7	8	9	10	11	13	13	15	13	20	7
21	18	19	18	17	19	18	19	17	14	13	11	9	9	10	10	9	9	8	8	9	10	12	16	19	13	19	8
22	20	20	21	23	24	24	24	20	20	18	16	14	12	9	10	12	13	13	15	14	15	18	21	25	17	25	9
23	30	33	37	38	40	38	32	28	28	27	24	21	20	21	20	19	19	21	26	28	30	32	36	40	29	40	19
24	46	53	58	60	66	69	70	70	75	70	62	75	68	58	56	53	48	44	47	49	52	59	60	48	59	75	44
25	49	50	52	56	60	63	57	52	52	51	48	44	40	36	34	30	29	35	38	43	54	72	81	92	51	92	29
26	89	91	87	83	89	95	95	96	98	98	99	93	88	78	67	60	53	56	51	56	73	69	71	72	79	99	51
27	68	66	69	72	74	80	70	56	42	40	38	37	35	32	31	27	27	27	33	35	35	38	40	45	47	80	27
28	43	51	53	54	54	51	46	40	36	34	31	29	28	26	24	23	21	21	24	30	37	38	40	41	37	54	21
29	45	48	47	44	39	41	37	32	25	23	19	17	15	12	9	7	7	8	9	10	13	14	16	18	23	48	7
30	17	18	19	18	18	17	17	16	15	14	11	10	12	11	9	9	9	9	10	11	11	12	15	16	14	19	9
Avg	27	28	29	30	31	33	32	29	27	27	24	23	20	18	17	16	16	16	18	19	21	23	24	26	24	--	--
Max	89	91	87	83	89	95	95	96	98	98	99	93	88	78	67	60	53	56	51	56	73	72	81	92	--	99	--
Min	9	10	12	12	11	13	13	12	12	11	9	8	7	7	6	7	6	5	4	3	4	6	6	7	--	--	3

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, RH_Percent"
Month: May 2015

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	17	15	18	19	22	23	21	14	14	12	10	8	7	7	6	7	7	7	8	11	11	10	9	12	23	6
2	10	12	12	14	20	21	24	25	22	18	19	17	14	13	13	12	12	13	14	15	17	18	19	24	17	25	10
3	27	31	33	34	36	40	41	37	31	26	22	21	21	21	20	19	18	17	18	20	23	27	40	41	28	41	17
4	62	75	75	82	79	82	82	80	72	75	75	62	46	43	44	44	57	76	80	75	79	74	82	84	70	84	43
5	81	87	87	86	91	90	88	80	65	65	59	59	58	55	49	48	41	41	41	43	48	54	56	57	64	91	41
6	57	59	59	58	65	69	68	58	35	38	43	40	35	24	19	17	18	17	19	21	24	25	29	35	39	69	17
7	42	48	54	58	58	53	52	49	49	49	43	39	35	35	32	30	28	30	39	53	45	32	42	51	44	58	28
8	52	48	49	48	44	46	45	46	46	48	47	48	50	46	36	38	42	45	38	34	31	29	35	40	43	52	29
9	49	54	57	59	65	66	57	54	51	43	37	33	30	27	25	24	24	24	26	28	30	31	34	38	40	66	24
10	40	43	45	41	36	36	31	30	30	29	27	25	24	22	21	20	20	20	22	23	25	27	31	33	29	45	20
11	33	34	34	33	33	34	30	29	26	20	14	11	11	11	12	11	10	10	11	12	16	17	19	18	20	34	10
12	15	18	21	22	22	23	23	19	16	16	17	17	18	17	15	14	15	15	15	20	23	27	29	31	19	31	14
13	33	35	41	47	53	54	47	43	39	34	28	25	23	22	22	21	22	23	28	32	30	33	35	38	34	54	21
14	35	35	37	37	43	51	49	46	38	35	33	29	28	22	23	20	19	21	28	29	27	30	28	28	32	51	19
15	31	33	44	47	50	55	56	57	56	54	46	40	39	43	50	50	64	94	91	87	86	88	88	86	60	94	31
16	96	97	86	94	94	97	98	98	95	88	83	75	66	62	59	48	50	49	48	53	62	71	73	71	76	98	48
17	67	63	63	62	66	67	64	51	38	29	23	17	20	18	18	18	18	19	20	21	31	31	30	33	37	67	17
18	32	36	37	41	43	47	45	37	30	24	21	19	22	22	20	19	18	20	19	19	16	15	13	18	26	47	13
19	25	28	30	31	34	37	37	32	28	26	22	22	20	18	17	17	17	18	19	20	25	29	30	30	25	37	17
20	32	33	33	32	35	37	35	29	25	19	16	13	13	12	12	11	11	12	13	15	17	19	22	26	22	37	11
21	24	28	31	33	35	33	35	35	29	24	23	21	18	14	16	15	14	14	18	22	17	10	9	11	22	35	9
22	16	21	23	23	28	30	31	26	23	21	18	16	16	18	21	24	30	35	39	52	45	45	49	45	29	52	16
23	47	49	49	47	44	51	44	39	36	33	30	29	27	24	22	22	23	25	27	29	30	33	37	39	35	51	22
24	41	41	42	42	45	47	42	35	34	32	29	27	27	27	26	22	19	22	25	26	26	29	33	33	32	47	19
25	35	39	39	39	41	40	39	34	32	31	29	26	26	24	24	23	22	22	24	26	28	31	34	35	31	41	22
26	36	35	32	36	41	40	34	34	29	26	24	21	19	17	16	16	17	18	18	19	22	23	21	23	26	41	16
27	25	27	29	34	34	34	34	31	28	24	22	18	13	13	12	11	11	13	13	13	15	16	17	18	21	34	11
28	18	18	20	22	23	25	24	20	15	14	14	12	10	9	9	9	8	9	9	10	12	14	13	14	15	25	8
29	15	14	16	19	18	19	20	18	14	14	13	11	10	9	7	7	7	7	7	8	9	11	11	11	12	20	7
30	11	12	13	14	14	15	17	15	13	12	11	10	10	9	9	8	8	8	9	10	11	13	13	13	12	17	8
31	13	13	14	15	17	18	16	18	20	18	15	13	11	11	11	11	11	11	11	12	13	16	14	13	14	20	11
Avg	36	38	39	41	43	44	43	40	35	32	29	27	25	23	22	21	22	24	26	28	29	30	32	34	32	--	--
Max	96	97	87	94	94	97	98	98	95	88	83	75	66	62	59	50	64	94	91	87	86	88	88	86	--	98	--
Min	10	12	12	14	14	15	16	15	13	12	11	10	8	7	7	6	7	7	7	8	9	10	9	9	--	--	6

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, RH_Percent"
Month: Jun 2015

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	17	14	12	13	14	16	11	10	9	8	7	6	6	6	7	7	8	9	9	10	10	11	11	10	17	6
2	13	13	16	19	21	22	21	19	16	14	13	12	11	11	10	9	9	11	11	11	11	11	10	10	13	22	9
3	9	10	9	8	8	10	13	12	12	11	10	9	7	6	6	7	7	7	8	9	8	8	8	7	9	13	6
4	8	10	11	11	12	11	11	11	9	8	8	9	9	10	11	14	12	11	20	51	68	71	60	56	21	71	8
5	50	54	56	60	74	79	87	85	81	80	75	73	56	50	46	39	42	51	54	65	71	74	77	76	65	87	39
6	75	70	67	62	62	59	61	54	40	39	44	35	34	31	28	26	22	21	20	19	21	23	26	27	40	75	19
7	26	23	26	28	29	31	26	20	23	25	24	20	19	20	20	19	18	17	17	19	20	22	22	21	22	31	17
8	21	21	21	22	25	27	28	26	23	19	16	15	13	13	15	15	15	15	15	16	17	17	17	19	19	28	13
9	25	34	44	63	59	61	66	74	66	62	57	57	55	45	43	48	52	71	67	63	63	63	64	65	57	74	25
10	69	75	78	80	78	80	76	74	75	67	63	62	58	51	48	45	44	44	45	48	52	56	57	59	62	80	44
11	62	65	68	70	71	70	62	55	46	44	37	32	28	24	23	20	20	19	21	24	27	28	31	29	41	71	19
12	28	29	30	28	30	31	30	24	20	17	17	16	15	14	14	14	13	13	14	15	17	18	20	20	20	31	13
13	21	20	22	23	26	28	26	19	17	18	17	15	14	13	13	13	13	15	18	20	21	25	26	26	19	28	13
14	28	27	28	29	31	32	32	26	22	21	20	19	18	17	16	15	15	16	16	17	18	18	18	18	21	32	15
15	18	19	22	23	24	26	25	22	19	19	18	16	14	13	12	12	12	9	11	11	13	16	18	19	17	26	9
16	14	14	16	18	24	29	27	24	21	19	17	16	15	12	11	10	9	9	10	11	12	13	14	20	16	29	9
17	26	27	27	29	29	32	28	24	20	18	16	13	10	9	7	7	7	7	8	10	12	12	12	13	17	32	7
18	13	14	17	17	18	16	16	14	12	11	10	9	9	7	7	7	7	8	8	9	11	11	12	13	12	18	7
19	13	12	10	10	12	11	12	11	10	9	9	8	9	8	7	7	7	7	7	7	7	7	8	7	9	13	7
20	7	6	5	5	4	5	6	6	5	4	4	4	5	4	4	4	4	4	5	5	6	7	9	8	5	9	4
21	7	13	25	34	38	32	28	26	30	28	27	25	23	21	20	18	17	18	20	22	22	21	19	19	23	38	7
22	19	20	24	29	31	35	34	32	29	26	23	21	18	16	12	8	8	8	9	9	10	13	14	15	19	35	8
23	18	20	21	22	24	26	25	22	18	18	17	15	14	14	13	12	12	12	12	13	13	13	13	13	17	26	12
24	13	14	16	17	20	22	29	36	35	32	30	28	23	18	13	12	28	31	33	22	21	29	32	31	24	36	12
25	34	32	33	35	35	35	33	29	29	26	24	23	20	19	19	18	18	18	19	20	20	19	18	25	25	35	18
26	33	36	39	41	43	45	43	43	41	37	33	28	26	24	23	23	24	24	26	27	27	27	27	28	32	45	23
27	35	43	49	48	47	47	49	42	36	31	30	27	26	24	24	22	31	46	69	70	68	58	62	56	43	70	22
28	57	52	48	52	56	52	45	42	38	34	29	26	24	22	21	31	64	48	35	39	42	47	52	44	42	64	21
29	42	46	52	56	50	48	41	32	36	36	32	27	27	24	23	24	25	26	26	27	32	36	38	40	35	56	23
30	40	44	45	49	51	53	49	44	43	42	39	35	31	28	29	32	32	34	38	39	39	40	41	43	40	53	28
Avg	28	29	31	33	35	36	35	32	29	27	26	23	21	19	18	18	20	21	22	24	26	27	28	28	27	--	--
Max	75	75	78	80	78	80	87	85	81	80	75	73	58	51	48	48	64	71	69	70	71	74	77	76	--	87	--
Min	7	6	5	5	4	5	6	6	5	4	4	4	5	4	4	4	4	4	5	5	6	7	8	7	--	--	4

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, Precip_Inches"
Month: Apr 2015

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	0.016	0	0	0.016	0	0	0	0	0	0	0	0	0	0.032	0.016	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.004	0.008	0.024	0.146	0.28	0.462	0.28	0
26	0.055	0.004	0	0.012	0.051	0.008	0	0.036	0.146	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.312	0.146	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	0.055	0.004	0	0.012	0.051	0.008	0	0.036	0.146	0	0	0.016	0	0	0.016	0	0	0	0	0.004	0.008	0.024	0.146	0.28	0.806	--	--
Max	0.055	0.004	0	0.012	0.051	0.008	0	0.036	0.146	0	0	0.016	0	0	0.016	0	0	0	0	0.004	0.008	0.024	0.146	0.28	--	0.28	--
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: May 2015

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	0.036	0	0.036	0.036	0
4	0.064	0.02	0	0.063	0.004	0	0	0	0	0.032	0.036	0	0	0	0	0	0.225	0.213	0.008	0	0	0	0	0	0.665	0.225	0
5	0	0.008	0	0	0	0	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.012	0.008	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	0.114	0.098	0	0	0	0.036	0.02	0.091	0.359	0.114	0
16	0.327	0.083	0	0	0.004	0	0.048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.462	0.327	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	0.391	0.111	0	0.063	0.008	0	0.052	0	0	0.032	0.036	0	0	0	0	0	0.339	0.311	0.008	0	0	0.036	0.056	0.091	1.53	--	--
Max	0.327	0.083	0	0.063	0.004	0	0.048	0	0	0.032	0.036	0	0	0	0	0	0.225	0.213	0.008	0	0	0.036	0.036	0.091	--	0.327	--
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: Jun 2015

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	0.012	0.012	0.004	0	0	0.028	0.012	0
5	0	0	0	0.012	0.012	0.004	0.107	0.02	0	0	0	0	0.004	0	0	0	0	0	0	0	0	0	0	0	0.159	0.107	0
6	0	0	0	0	0	0	0	0	0	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.004	0.004	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	0.004	0	0	0	0	0	0	0	0	0	0.008	0.008	0	0	0	0	0	0	0.02	0.008	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	0.02	0.044	0.012	0	0	0	0.076	0.044	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.059	0.02	0	0	0	0	0	0	0	0.079	0.059	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	0.012	0.012	0.004	0.111	0.02	0	0.004	0	0	0.004	0	0	0.059	0.028	0.008	0.02	0.056	0.024	0.004	0	0	0.366	--	--
Max	0	0	0	0.012	0.012	0.004	0.107	0.02	0	0.004	0	0	0.004	0	0	0.059	0.02	0.008	0.02	0.044	0.012	0.004	0	0	--	0.107	--
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, BP_mmHg"
Month: Apr 2015

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	651	651	652	652	652	653	652	652	651	651	651	650	650	650	650	650	651	651	651	651	651	653	650
2	651	651	651	651	651	651	651	651	652	652	652	652	652	652	652	651	651	651	651	652	652	653	653	653	652	653	651
3	653	653	653	653	653	654	654	654	655	655	655	655	655	654	654	654	654	654	654	654	654	654	654	654	654	655	653
4	654	653	653	653	652	652	653	653	653	654	653	653	653	652	652	651	651	651	651	650	650	650	651	651	652	654	650
5	651	651	650	650	650	650	650	651	651	651	651	651	650	650	649	649	649	649	648	649	649	649	649	650	650	651	648
6	650	650	650	649	649	650	650	651	651	652	652	652	652	651	651	651	650	650	650	650	650	651	651	651	650	652	649
7	651	651	651	651	651	651	652	652	652	653	653	653	652	652	652	651	651	650	650	650	651	651	651	651	651	653	650
8	651	650	650	650	650	650	651	651	651	652	652	652	651	651	651	650	650	650	650	650	651	651	651	651	651	652	650
9	651	651	651	651	651	651	651	652	652	652	652	652	652	651	651	651	651	651	651	651	651	651	651	651	651	652	651
10	652	652	651	651	651	651	652	652	653	653	653	653	653	652	652	651	651	651	651	651	651	652	652	652	652	653	651
11	652	651	651	651	651	651	652	652	652	653	653	652	652	651	651	650	650	650	649	649	650	650	650	650	651	653	649
12	650	651	650	650	650	650	651	651	651	652	652	651	651	651	650	650	650	651	651	651	652	652	652	653	651	653	650
13	653	653	653	653	653	653	654	654	654	655	655	655	654	654	654	654	653	653	654	654	654	655	655	655	654	655	653
14	655	655	655	655	655	655	655	655	655	655	655	655	654	653	653	652	652	651	651	651	651	651	651	651	653	655	651
15	651	651	650	650	650	650	651	651	651	651	651	651	650	650	649	649	649	648	648	649	649	649	649	650	650	651	648
16	650	650	649	650	649	649	650	651	651	651	652	652	651	651	651	651	651	652	652	652	653	653	653	653	651	653	649
17	653	653	652	652	652	652	653	653	653	653	653	653	653	653	652	652	652	652	652	652	653	653	653	653	653	653	652
18	653	652	652	652	652	652	653	653	653	653	653	653	652	652	652	651	651	651	651	651	651	651	652	652	652	653	651
19	652	652	652	652	651	652	652	652	653	653	653	652	652	651	651	650	650	650	650	650	651	651	651	651	651	653	650
20	650	650	650	650	650	650	651	651	651	651	651	651	650	650	649	649	649	649	649	649	649	649	650	650	650	651	649
21	651	651	650	650	650	650	651	651	651	652	652	651	650	650	649	649	649	649	648	648	649	649	650	650	650	652	648
22	650	650	650	649	649	650	650	651	651	651	651	651	650	650	650	649	649	649	649	649	649	650	650	650	650	651	649
23	650	650	649	649	649	649	650	650	650	650	650	650	649	649	648	648	648	648	648	648	649	649	649	649	649	650	648
24	649	649	649	649	650	650	651	651	652	652	652	652	652	651	651	651	651	651	650	650	651	651	651	651	651	652	649
25	651	651	651	651	650	651	651	651	651	651	651	651	650	650	649	648	648	648	647	647	648	648	648	648	649	651	647
26	647	647	647	647	646	647	647	647	648	648	649	649	649	649	649	648	649	649	649	649	649	650	650	650	648	650	646
27	650	649	649	649	650	650	650	651	651	651	651	651	651	651	651	651	651	651	651	652	652	653	653	653	651	653	649
28	653	653	653	654	654	654	655	655	655	655	655	655	655	654	654	653	653	653	653	654	654	654	654	654	654	655	653
29	654	654	654	654	654	654	654	654	654	654	654	654	653	653	652	652	652	652	651	651	652	652	652	652	653	654	651
30	652	651	651	651	651	652	652	652	653	653	653	653	652	652	651	651	651	651	651	651	651	651	651	651	652	653	651
Avg	651	651	651	651	651	651	652	652	652	652	652	652	652	651	651	651	650	650	650	651	651	651	651	651	651	--	--
Max	655	655	655	655	655	655	655	655	655	655	655	655	655	654	654	654	654	654	654	654	654	655	655	655	--	655	--
Min	647	647	647	647	646	647	647	647	648	648	649	649	649	649	648	648	648	648	647	647	648	648	648	648	--	--	646

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, BP_mmHg"
Month: May 2015

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

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, BP_mmHg"
Month: Jun 2015

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

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, WS_ms_10m"
Month: Apr 2015

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	1.3	0.8	1.5	1.1	1.0	0.6	1.2	1.6	3.0	3.5	4.3	5.2	5.7	5.9	6.0	6.1	6.0	5.3	3.4	1.4	0.5	1.2	1.3	1.2	2.9	6.1	0.5
2	0.9	0.9	0.8	1.4	1.6	1.8	1.8	1.5	2.4	2.3	3.1	4.5	4.8	4.8	4.6	4.5	4.9	4.0	3.2	1.6	0.4	0.5	0.6	0.6	2.4	4.9	0.4
3	1.3	1.3	0.7	1.6	2.5	1.4	2.2	3.2	6.2	5.9	5.5	4.3	2.3	2.0	2.8	2.7	3.3	4.0	2.4	1.3	1.7	1.4	2.2	1.2	2.6	6.2	0.7
4	1.2	0.8	2.7	3.8	2.8	3.3	3.1	4.2	2.5	2.7	3.3	3.8	3.6	4.5	4.8	4.9	4.5	3.7	2.4	0.8	0.3	0.2	0.6	0.6	2.7	4.9	0.2
5	1.0	2.0	3.0	2.5	2.6	2.1	2.3	1.9	2.1	3.4	2.5	4.6	4.6	4.6	4.7	5.2	5.5	4.7	2.9	0.7	1.3	2.0	1.8	1.3	2.9	5.5	0.7
6	0.9	1.2	1.8	2.1	1.8	2.2	1.0	2.2	3.1	2.9	2.8	4.5	5.1	5.3	5.8	5.7	4.4	4.3	3.2	1.0	0.8	1.5	1.0	0.5	2.7	5.8	0.5
7	1.3	0.7	1.0	1.4	1.4	0.9	1.5	1.2	2.2	3.0	3.6	5.1	6.2	5.3	5.3	5.6	5.7	5.2	4.2	2.1	0.6	0.9	0.5	0.8	2.7	6.2	0.5
8	0.4	0.4	0.4	0.7	1.0	1.3	0.5	0.9	2.0	3.1	3.9	3.8	5.1	5.6	6.4	6.0	5.6	5.0	4.0	2.0	1.0	1.8	0.8	0.5	2.6	6.4	0.4
9	0.9	0.7	1.6	1.6	1.8	0.9	2.0	1.8	1.7	2.6	1.5	2.2	2.6	3.8	3.0	2.8	4.6	4.1	3.3	1.6	0.8	1.7	1.3	0.6	2.1	4.6	0.6
10	0.4	1.2	1.3	2.0	0.4	0.8	1.1	1.3	1.0	1.5	1.9	3.4	3.0	2.3	3.7	3.4	3.9	3.5	2.8	1.5	1.2	0.7	1.3	1.6	1.9	3.9	0.4
11	1.1	1.1	0.8	2.0	2.3	1.1	1.8	2.9	1.2	1.9	3.4	3.1	2.9	2.6	2.5	3.7	4.2	3.2	2.5	1.3	0.6	0.9	0.4	1.2	2.0	4.2	0.4
12	0.3	1.1	2.4	2.4	1.8	0.7	0.3	2.2	3.1	3.1	3.2	3.7	4.4	4.4	5.4	5.2	4.4	4.4	3.8	2.4	2.0	1.4	0.9	0.8	2.7	5.4	0.3
13	0.4	1.5	1.3	1.4	2.2	0.8	0.6	0.9	1.0	1.3	2.0	2.4	2.7	2.9	3.8	3.7	4.0	3.8	2.8	1.5	0.8	1.3	4.4	3.7	2.1	4.4	0.4
14	4.0	5.3	5.1	4.6	4.5	5.3	5.1	5.7	6.3	4.7	3.3	2.7	3.2	4.2	4.4	5.3	4.8	5.0	4.0	2.4	1.8	0.5	0.8	0.7	3.9	6.3	0.5
15	0.9	0.9	1.4	0.9	0.9	2.1	2.2	1.3	2.2	2.8	4.3	4.8	6.2	6.8	7.3	6.4	6.8	6.7	5.6	2.8	3.1	2.7	0.7	1.2	3.4	7.3	0.7
16	1.4	3.8	3.9	3.3	2.1	2.1	0.7	1.3	1.5	2.2	3.7	5.2	4.5	5.3	5.3	5.4	5.4	4.9	4.3	1.3	1.4	1.2	2.1	2.5	3.1	5.4	0.7
17	2.5	2.2	1.3	1.2	1.6	1.2	1.6	0.9	1.5	2.8	3.7	4.1	3.7	4.7	5.8	5.0	4.5	4.7	3.2	0.7	1.3	1.6	2.2	2.2	2.7	5.8	0.7
18	2.4	1.0	0.4	0.8	0.8	0.4	2.1	2.7	1.6	2.1	3.3	5.0	5.0	6.1	6.1	6.4	5.5	6.1	4.2	1.2	1.1	0.8	1.2	0.9	2.8	6.4	0.4
19	0.6	0.5	1.1	0.9	0.8	0.7	0.5	1.0	0.8	1.7	1.9	3.2	3.6	3.9	5.2	4.6	4.3	4.3	3.5	1.5	0.7	0.8	3.6	3.4	2.2	5.2	0.5
20	1.3	1.7	2.3	2.6	1.8	0.5	0.4	1.9	1.3	1.6	1.9	2.3	3.0	3.3	3.4	3.9	4.2	4.2	3.0	1.3	1.5	1.8	1.0	1.4	2.1	4.2	0.4
21	0.7	0.8	0.9	0.8	2.0	0.8	1.8	1.8	0.9	1.9	2.3	3.4	3.2	3.4	4.4	3.8	4.6	4.7	3.2	0.7	0.3	0.7	0.5	0.5	2.0	4.7	0.3
22	0.5	0.7	1.4	1.0	0.9	0.5	0.7	0.6	1.1	3.6	3.3	3.8	3.7	5.1	4.0	4.3	4.6	4.2	3.9	2.8	1.4	1.1	2.2	2.9	2.4	5.1	0.5
23	1.4	1.1	1.9	0.7	0.7	0.8	1.2	0.9	1.1	2.0	2.4	4.3	4.2	5.3	5.7	4.8	4.9	5.4	4.7	3.8	5.1	3.0	2.4	3.1	3.0	5.7	0.7
24	2.5	1.7	1.0	1.5	0.8	0.7	1.4	3.5	3.7	3.3	4.4	3.3	2.7	3.4	4.0	1.9	3.5	2.3	2.1	0.9	0.6	0.3	0.8	1.1	2.1	4.4	0.3
25	0.9	0.4	0.6	0.8	0.6	1.3	1.8	1.6	2.5	2.7	2.8	3.5	4.7	4.8	5.6	5.9	6.9	6.4	5.2	6.5	2.9	2.4	2.0	1.7	3.1	6.9	0.4
26	3.0	2.7	0.9	1.2	1.4	1.4	1.9	3.3	3.7	4.0	2.8	2.8	2.9	2.1	1.9	4.6	3.5	3.7	2.0	1.7	2.7	1.2	1.0	0.5	2.4	4.6	0.5
27	0.6	0.8	0.9	1.2	1.0	3.4	4.8	1.4	2.4	3.6	4.3	3.5	2.9	2.6	2.5	2.1	2.3	2.9	3.2	0.8	0.7	1.1	1.6	2.0	2.2	4.8	0.6
28	0.9	4.1	4.8	4.7	7.0	6.5	8.2	10.2	11.0	8.8	4.2	2.8	3.3	3.2	3.0	3.6	2.8	3.1	4.1	5.1	5.1	5.6	4.6	4.5	5.0	11.0	0.9
29	3.9	4.2	2.6	2.7	2.2	5.4	4.7	6.0	3.8	2.3	2.7	3.3	4.1	2.6	3.9	3.7	3.2	3.6	2.4	1.2	2.8	4.0	3.0	5.0	3.5	6.0	1.2
30	5.2	4.6	3.6	3.6	3.6	1.8	2.7	1.8	1.7	1.8	1.9	2.6	2.3	2.2	2.7	3.5	2.8	4.4	3.5	1.0	1.6	1.3	0.9	1.0	2.6	5.2	0.9
Avg	1.5	1.7	1.8	1.9	1.9	1.8	2.0	2.4	2.6	3.0	3.2	3.7	3.9	4.1	4.5	4.5	4.5	4.4	3.4	1.8	1.5	1.5	1.6	1.6	2.7	--	--
Max	5.2	5.3	5.1	4.7	7.0	6.5	8.2	10.2	11.0	8.8	5.5	5.2	6.2	6.8	7.3	6.4	6.9	6.7	5.6	6.5	5.1	5.6	4.6	5.0	--	11.0	--
Min	0.3	0.4	0.4	0.7	0.4	0.4	0.3	0.6	0.8	1.3	1.5	2.2	2.3	2.0	1.9	1.9	2.3	2.3	2.0	0.7	0.3	0.2	0.4	0.5	--	--	0.2

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, WS_ms_10m"
Month: May 2015

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	1.1	1.8	0.9	1.5	1.4	2.4	1.4	1.4	1.2	1.4	1.8	2.5	3.3	3.8	4.2	4.6	4.7	4.5	3.7	1.6	2.1	2.5	1.7	0.8	2.4	4.7	0.8
2	1.0	0.8	0.6	0.6	1.2	0.8	0.8	0.9	1.2	1.3	1.0	1.8	2.8	4.1	3.8	4.3	4.1	3.7	2.8	1.4	1.7	1.5	1.7	1.4	1.9	4.3	0.6
3	1.3	0.8	0.7	0.4	1.1	1.7	0.6	1.5	1.1	2.0	2.9	3.7	3.4	3.3	3.0	3.8	3.2	4.0	4.1	1.3	1.4	0.8	4.0	1.6	2.2	4.1	0.4
4	4.0	3.4	1.3	3.1	5.3	2.0	1.3	2.2	2.6	3.5	3.2	2.3	2.0	2.6	3.6	4.8	6.6	4.3	4.3	1.3	1.0	1.6	1.6	4.0	3.0	6.6	1.0
5	1.6	2.3	0.7	1.3	0.9	2.7	1.0	1.7	1.5	1.6	2.7	2.5	1.5	2.9	3.3	2.1	3.1	3.3	3.1	1.2	0.8	1.1	2.5	1.8	2.0	3.3	0.7
6	1.6	2.0	1.2	1.3	1.5	1.9	3.0	2.4	1.0	1.7	2.4	2.6	2.5	3.9	4.1	4.2	4.0	4.8	4.1	4.2	3.2	1.0	0.8	1.9	2.6	4.8	0.8
7	1.5	1.9	0.6	0.7	0.8	0.4	0.6	1.0	2.2	3.7	3.9	3.5	4.5	4.6	4.8	4.3	4.3	4.2	2.2	4.3	1.4	1.8	1.3	3.1	2.6	4.8	0.4
8	0.9	0.7	1.0	0.9	0.7	0.5	0.6	1.9	2.8	3.0	4.6	5.3	5.6	5.7	6.5	6.1	5.6	4.9	4.4	4.3	2.8	1.1	4.9	4.3	3.3	6.5	0.5
9	4.0	1.9	1.3	3.2	1.3	1.2	0.5	1.1	1.8	2.6	2.9	2.9	3.5	4.1	4.1	4.8	4.7	3.9	3.2	1.6	0.7	0.9	1.3	0.8	2.4	4.8	0.5
10	0.7	0.5	0.7	0.4	0.1	0.5	0.7	0.9	1.9	2.7	3.4	3.7	3.6	4.2	4.4	4.5	4.7	4.3	3.3	1.3	0.6	0.6	1.3	1.3	2.1	4.7	0.1
11	1.1	2.9	2.0	2.1	5.2	6.1	2.6	5.0	4.8	5.1	4.5	3.8	3.5	3.7	4.1	3.2	3.9	2.7	2.9	0.9	2.4	4.8	2.5	1.1	3.4	6.1	0.9
12	0.7	0.6	2.0	2.7	1.2	1.3	0.7	0.8	1.1	2.2	2.2	3.3	3.4	4.0	5.5	4.9	5.4	4.7	3.9	2.2	2.9	2.4	2.1	1.4	2.6	5.5	0.6
13	1.2	1.2	4.6	3.0	2.9	2.6	1.9	2.7	2.9	3.5	1.9	3.3	4.2	3.2	3.9	3.7	3.8	3.0	3.8	2.5	1.3	1.4	1.2	2.2	2.7	4.6	1.2
14	1.8	1.0	0.7	1.0	2.0	3.3	3.2	3.4	4.6	6.1	6.2	6.2	6.0	5.9	6.3	6.9	7.2	6.5	6.0	5.4	4.9	2.7	3.9	3.6	4.4	7.2	0.7
15	3.4	4.0	2.9	2.1	2.2	1.1	1.5	2.0	1.1	1.8	3.2	4.3	4.9	4.4	5.9	4.1	5.1	2.8	0.7	1.0	1.2	0.8	2.4	3.2	2.7	5.9	0.7
16	4.5	3.0	1.5	1.8	2.1	1.7	1.8	2.6	2.0	1.7	2.2	1.8	2.1	2.2	2.8	3.4	3.5	3.0	2.5	0.8	0.7	2.7	3.1	2.5	2.3	4.5	0.7
17	1.7	2.1	2.3	3.2	2.7	3.0	2.3	2.1	2.3	2.0	1.8	2.2	2.5	3.1	2.8	2.9	2.0	2.9	2.4	1.0	1.5	1.9	1.3	1.8	2.2	3.2	1.0
18	1.3	1.8	0.9	2.0	3.7	4.2	3.7	3.9	1.9	2.2	4.7	3.8	4.5	4.7	3.6	4.5	5.6	4.9	5.4	5.5	3.1	1.1	0.9	1.1	3.3	5.6	0.9
19	1.5	1.4	1.4	0.6	0.9	0.3	0.3	0.4	1.1	1.2	2.0	2.1	3.2	3.0	3.5	4.0	3.7	3.5	2.8	1.4	2.1	2.6	1.5	0.9	1.9	4.0	0.3
20	1.1	1.1	1.8	1.2	2.6	4.6	3.0	1.3	1.6	3.4	4.5	3.9	2.6	3.5	3.4	4.2	3.7	4.0	2.7	1.0	0.9	1.6	1.3	1.9	2.5	4.6	0.9
21	1.1	1.5	1.0	1.1	1.2	1.1	1.3	1.5	1.0	3.4	3.8	3.3	3.4	5.5	4.9	5.1	5.5	6.8	6.3	4.5	2.0	2.1	1.1	1.7	2.9	6.8	1.0
22	1.3	1.5	1.7	1.1	0.9	1.1	0.5	0.9	2.9	4.4	4.8	6.1	4.6	6.3	6.0	7.0	6.5	5.5	5.7	2.1	1.5	0.7	0.7	1.3	3.1	7.0	0.5
23	0.3	0.7	0.8	0.4	1.1	0.7	0.7	0.9	1.2	2.0	2.1	3.0	3.6	3.8	3.5	3.8	3.5	4.0	4.0	2.5	0.9	0.3	0.5	0.8	1.9	4.0	0.3
24	1.6	0.9	0.2	1.1	0.9	1.0	0.3	0.8	1.1	1.8	2.0	2.5	3.9	4.3	3.0	3.3	3.0	4.0	4.3	2.0	0.8	1.1	0.9	0.5	1.9	4.3	0.2
25	0.4	0.4	0.4	0.4	0.5	0.3	0.4	0.7	1.4	2.5	2.8	3.4	3.3	3.4	4.3	4.5	4.3	3.7	3.5	2.0	0.7	0.8	0.6	1.6	1.9	4.5	0.3
26	0.9	0.6	0.6	1.2	1.9	0.9	1.2	0.9	1.5	1.5	1.9	2.5	3.1	3.0	3.0	3.4	4.1	4.3	3.4	1.5	1.2	0.8	0.3	0.4	1.8	4.3	0.3
27	1.4	1.5	1.8	1.9	0.7	0.6	2.7	1.4	0.9	1.2	1.6	2.0	3.8	3.6	4.4	3.6	4.4	3.2	2.7	0.9	0.5	0.8	0.7	1.0	2.0	4.4	0.5
28	1.1	0.4	0.7	0.5	2.5	1.3	0.9	0.7	0.9	1.5	2.2	2.7	3.6	3.9	4.5	4.2	4.0	4.4	3.9	2.0	1.7	1.5	0.6	0.5	2.1	4.5	0.4
29	1.2	0.6	0.6	0.7	0.8	0.7	1.7	1.4	1.4	2.3	2.4	3.2	3.1	2.9	3.4	3.5	3.6	3.8	3.6	1.8	1.5	1.3	0.7	0.5	2.0	3.8	0.5
30	0.5	0.5	1.0	0.8	0.7	0.6	0.7	1.1	0.8	1.4	2.3	2.7	3.2	3.9	4.5	4.0	4.1	4.5	4.3	1.8	1.5	2.0	0.6	0.8	2.0	4.5	0.5
31	1.0	1.1	0.7	2.1	3.2	3.5	1.5	1.6	1.2	1.6	2.7	3.0	3.8	4.2	4.3	4.6	4.7	3.8	3.0	1.7	1.0	0.7	1.2	0.8	2.4	4.7	0.7
Avg	1.5	1.5	1.2	1.4	1.7	1.7	1.4	1.7	1.8	2.5	2.9	3.2	3.5	3.9	4.2	4.3	4.4	4.1	3.6	2.2	1.6	1.5	1.6	1.6	2.5	--	--
Max	4.5	4.0	4.6	3.2	5.3	6.1	3.7	5.0	4.8	6.1	6.2	6.2	6.0	6.3	6.5	7.0	7.2	6.8	6.3	5.5	4.9	4.8	4.9	4.3	--	7.2	--
Min	0.3	0.4	0.2	0.4	0.1	0.3	0.3	0.4	0.8	1.2	1.0	1.8	1.5	2.2	2.8	2.1	2.0	2.7	0.7	0.8	0.5	0.3	0.3	0.4	--	--	0.1

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, WS_ms_10m"
Month: Jun 2015

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	1.0	0.7	1.5	1.2	1.0	1.6	2.3	1.6	1.4	2.6	2.6	3.5	4.3	4.4	4.6	5.1	4.7	4.5	4.5	1.5	0.8	0.5	1.0	0.3	2.4	5.1	0.3
2	0.4	1.5	1.5	1.5	1.6	2.0	1.9	1.9	1.6	1.9	2.1	3.1	3.6	4.7	4.5	4.9	4.7	4.5	4.2	2.4	0.8	1.0	0.6	1.1	2.4	4.9	0.4
3	1.9	1.5	0.9	0.4	0.8	1.2	1.2	1.1	2.3	2.2	3.0	3.4	4.3	5.2	4.7	5.0	4.5	4.8	4.5	2.5	1.2	0.9	0.8	0.4	2.4	5.2	0.4
4	1.0	1.2	2.5	1.5	1.9	1.6	1.4	1.0	3.4	3.1	3.7	3.8	4.1	5.3	5.4	5.2	3.1	4.1	5.5	4.0	6.4	7.8	6.8	6.7	3.8	7.8	1.0
5	6.4	4.6	4.4	5.0	5.4	6.1	2.5	2.2	2.0	4.3	5.2	5.1	5.8	2.5	4.2	2.9	2.9	2.6	1.4	1.4	1.5	4.6	2.2	3.6	3.7	6.4	1.4
6	2.2	1.6	1.9	0.7	1.3	1.2	1.9	0.6	2.9	3.0	2.1	1.9	3.7	3.8	3.9	3.3	3.5	2.6	3.2	1.5	0.4	0.9	1.6	2.3	2.2	3.9	0.4
7	1.7	0.9	1.3	2.5	2.6	5.4	3.2	2.9	1.6	3.8	2.6	3.8	4.3	4.4	4.7	3.8	3.1	3.5	3.1	2.5	2.1	1.7	1.7	1.1	2.8	5.4	0.9
8	1.3	0.5	0.8	1.0	0.6	2.3	2.5	2.5	2.2	1.7	1.9	3.0	1.9	4.3	4.0	4.0	3.6	4.1	2.6	0.6	1.3	1.2	2.1	2.4	2.2	4.3	0.5
9	1.9	3.9	4.2	4.7	5.0	2.6	1.8	2.2	1.7	3.0	2.9	1.7	2.5	1.6	2.3	2.3	2.4	2.0	1.0	0.6	1.0	0.9	1.0	0.8	2.2	5.0	0.6
10	1.2	1.0	1.2	0.9	0.8	0.4	0.5	1.2	1.1	1.1	2.2	3.8	4.0	4.0	3.9	4.1	4.3	5.0	3.9	3.0	1.7	0.7	0.6	0.8	2.1	5.0	0.4
11	0.7	0.4	1.1	1.1	1.7	1.0	0.6	1.0	1.0	2.2	2.9	3.6	3.7	4.3	3.9	4.4	4.4	4.0	3.6	2.2	1.3	1.5	0.9	0.4	2.2	4.4	0.4
12	0.8	0.6	1.1	1.4	1.4	1.2	0.8	0.5	1.1	1.2	1.7	2.6	3.4	3.3	4.3	3.7	3.4	3.4	3.5	2.4	1.1	0.9	1.0	0.4	1.9	4.3	0.4
13	1.0	1.4	0.7	0.4	0.4	0.3	1.7	1.1	1.1	1.5	2.0	3.0	3.4	3.7	4.1	3.8	4.5	4.7	4.0	3.2	1.3	2.8	0.9	1.4	2.2	4.7	0.3
14	1.3	0.9	0.8	0.8	0.8	1.1	0.8	0.8	1.3	1.4	2.6	3.9	3.7	3.4	4.0	3.9	3.9	4.0	3.8	2.9	0.9	0.8	0.6	0.4	2.0	4.0	0.4
15	0.4	0.3	0.9	1.1	0.9	0.9	0.8	1.0	1.0	1.5	2.0	3.0	2.6	4.1	5.0	5.1	4.8	4.8	3.9	2.6	0.7	0.7	0.6	0.7	2.1	5.1	0.3
16	1.0	0.4	0.9	2.9	4.4	3.0	1.2	2.3	3.5	2.6	3.2	2.4	3.1	3.9	5.2	6.0	6.7	6.2	5.7	3.6	1.0	0.5	0.5	2.4	3.0	6.7	0.4
17	5.8	4.8	4.9	5.5	5.0	4.7	5.1	2.2	2.1	2.6	2.2	2.8	4.1	5.0	5.6	6.5	5.1	4.9	4.6	2.6	1.0	2.0	2.1	1.3	3.9	6.5	1.0
18	0.6	1.4	1.8	1.6	1.8	1.7	0.9	1.3	1.4	2.6	2.3	4.3	4.8	5.5	6.0	6.2	6.1	5.0	4.2	2.4	0.9	0.8	1.0	1.1	2.7	6.2	0.6
19	1.3	0.7	1.0	0.9	1.0	0.6	0.4	1.0	1.0	1.2	2.3	2.8	3.8	4.2	5.1	5.1	5.4	4.9	4.4	2.3	0.6	0.6	0.4	0.5	2.2	5.4	0.4
20	0.5	0.8	1.0	0.6	0.7	1.2	3.1	1.8	1.0	1.0	2.1	3.6	3.8	4.1	4.4	4.0	3.8	3.8	3.9	2.4	0.5	0.4	0.6	0.4	2.1	4.4	0.4
21	0.5	1.5	0.8	0.8	1.5	1.9	1.7	2.4	3.1	2.8	2.4	2.9	3.8	4.2	4.9	5.0	5.1	5.7	5.2	3.5	1.9	1.1	1.8	1.1	2.7	5.7	0.5
22	0.7	0.8	1.1	1.0	0.7	0.7	0.8	1.1	1.2	1.3	1.8	2.1	3.7	4.0	4.2	4.8	5.4	5.4	5.2	3.6	1.2	0.9	0.6	0.7	2.2	5.4	0.6
23	1.0	1.4	1.1	1.3	0.9	0.9	1.1	0.9	0.9	2.4	3.0	3.1	4.4	4.2	4.6	5.9	5.9	5.6	5.3	3.2	0.9	0.4	0.7	0.6	2.5	5.9	0.4
24	0.4	1.2	1.4	1.7	3.0	4.0	5.1	5.8	5.5	4.9	4.4	3.6	2.7	2.3	3.9	4.1	10.5	12.0	11.9	4.5	2.1	4.1	6.2	6.6	4.7	12.0	0.4
25	4.2	2.0	3.1	3.8	3.6	4.7	2.4	0.8	1.8	1.6	2.2	2.2	2.5	4.0	4.4	4.7	5.0	5.1	4.8	3.7	1.6	0.4	1.1	0.9	2.9	5.1	0.4
26	1.3	1.8	1.1	1.3	0.6	0.3	0.3	1.9	2.0	1.9	2.2	2.3	3.2	3.7	4.2	4.4	4.2	4.4	3.4	2.2	1.5	0.6	0.8	1.3	2.1	4.4	0.3
27	2.2	2.1	1.3	0.5	1.5	0.9	0.7	0.5	1.1	1.6	1.6	3.4	3.5	3.7	5.6	5.4	8.4	7.0	14.4	12.5	8.0	6.3	3.1	4.8	4.2	14.4	0.5
28	4.6	4.7	1.6	1.7	4.3	3.0	1.4	2.7	2.5	2.1	3.1	2.6	3.0	2.1	3.2	4.8	4.2	2.9	2.5	2.1	1.5	1.1	3.3	2.3	2.8	4.8	1.1
29	1.2	1.4	1.1	2.6	1.9	3.6	0.9	0.9	2.5	2.2	2.0	3.3	3.5	4.0	4.1	3.2	3.9	4.4	4.4	2.2	1.4	1.0	0.7	1.6	2.4	4.4	0.7
30	1.3	0.6	0.7	2.0	3.0	2.9	2.5	1.0	2.5	3.4	2.5	2.7	3.0	4.1	5.4	6.0	6.0	5.2	3.5	2.0	1.1	1.0	1.3	1.6	2.7	6.0	0.6
Avg	1.7	1.6	1.6	1.7	2.0	2.1	1.7	1.6	1.9	2.3	2.6	3.1	3.6	3.9	4.5	4.6	4.8	4.7	4.5	2.9	1.6	1.6	1.6	1.7	2.7	--	--
Max	6.4	4.8	4.9	5.5	5.4	6.1	5.1	5.8	5.5	4.9	5.2	5.1	5.8	5.5	6.0	6.5	10.5	12.0	14.4	12.5	8.0	7.8	6.8	6.7	--	14.4	--
Min	0.4	0.3	0.7	0.4	0.4	0.3	0.3	0.5	0.9	1.0	1.6	1.7	1.9	1.6	2.3	2.3	2.4	2.0	1.0	0.6	0.4	0.4	0.4	0.3	--	--	0.3

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, WD_10m"
Month: Apr 2015

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	225	339	304	323	46	356	46	85	146	173	208	206	206	249	249	252	258	265	267	300	323	53	55	62	281	356	46
2	81	73	46	69	57	67	82	92	142	159	231	269	257	261	273	265	274	266	265	291	312	79	7	59	357	312	7
3	38	54	35	17	345	202	167	86	74	73	71	66	23	161	125	241	257	253	274	350	47	71	48	35	53	350	17
4	43	19	51	74	72	73	66	84	196	160	96	173	165	204	233	249	246	246	287	355	349	45	332	56	69	355	19
5	73	67	31	63	64	74	74	89	121	184	203	205	223	214	214	239	243	243	225	104	89	96	94	57	125	243	31
6	58	72	85	73	52	55	65	86	148	181	216	231	257	234	240	251	244	269	268	307	41	47	25	58	60	307	25
7	68	194	88	123	85	72	63	106	138	183	163	214	214	219	229	237	244	247	260	271	3	21	268	77	175	271	3
8	43	314	289	295	298	329	19	110	231	259	261	245	248	243	262	251	258	242	266	281	292	353	63	242	279	353	19
9	309	272	2	39	2	339	56	262	263	127	86	237	233	212	232	194	258	261	266	311	360	51	58	28	304	360	2
10	355	31	42	35	342	9	287	324	262	205	184	206	170	214	254	258	250	249	274	321	343	300	26	49	300	355	9
11	36	22	36	51	33	11	96	77	171	195	216	214	232	173	214	272	276	278	285	325	114	22	303	36	338	325	11
12	335	279	324	329	344	28	211	319	281	269	247	259	254	240	243	252	257	261	264	294	326	340	301	26	289	344	26
13	302	61	62	53	52	319	55	98	156	136	166	252	252	259	244	258	252	254	275	307	358	30	79	102	329	358	30
14	93	90	69	79	70	69	63	54	46	59	163	157	196	247	240	254	243	233	213	239	245	344	44	36	104	344	36
15	323	69	58	30	63	50	49	96	157	186	236	250	255	257	247	251	251	261	270	259	248	268	246	348	267	348	30
16	41	25	71	87	257	12	238	218	150	207	218	250	256	252	254	256	258	266	267	285	45	45	51	51	271	285	12
17	54	58	50	47	45	339	39	140	175	256	256	259	264	270	254	260	264	257	253	359	39	52	54	49	338	359	39
18	60	62	324	44	28	56	52	101	175	196	246	263	251	258	259	270	270	267	267	359	50	349	52	36	337	359	28
19	305	28	7	297	306	340	10	79	107	209	227	247	241	247	248	260	260	264	265	313	21	329	73	79	300	340	7
20	106	25	43	45	30	343	43	70	122	151	197	193	251	263	259	266	256	258	280	320	6	353	139	15	342	353	6
21	223	40	342	241	30	161	49	97	123	183	188	225	257	246	223	224	264	254	270	299	48	56	320	299	253	342	30
22	57	14	349	3	290	350	51	147	144	148	179	143	195	203	200	207	227	255	252	260	299	322	309	276	250	350	3
23	311	29	44	68	273	13	38	152	75	202	218	175	237	276	263	254	250	255	262	245	236	233	197	199	244	311	13
24	177	158	306	160	220	198	203	202	204	199	181	154	127	176	180	199	288	245	227	307	344	340	87	115	197	344	87
25	84	102	179	294	347	60	83	117	156	163	175	202	237	222	227	213	233	239	238	272	287	345	125	157	196	347	60
26	160	266	133	214	196	233	199	240	270	262	278	240	217	222	237	278	305	317	307	323	51	87	49	20	253	323	20
27	320	7	31	31	41	61	71	65	216	214	248	116	112	91	18	13	267	256	246	354	343	17	41	40	23	354	7
28	287	72	59	57	50	52	57	56	61	55	65	52	174	112	174	111	84	73	57	77	92	82	109	100	77	287	50
29	89	101	87	57	13	60	67	69	60	72	75	79	50	109	139	142	168	151	157	38	54	75	64	82	84	168	13
30	86	95	111	118	157	91	127	170	301	153	155	172	248	16	237	215	282	270	274	316	14	83	294	294	180	316	14
Avg	39	45	38	45	23	32	65	100	155	179	198	211	228	228	234	244	256	256	262	310	4	25	41	48	291	--	--
Max	355	339	349	329	347	356	287	324	301	269	278	269	264	276	273	278	305	317	307	359	360	353	332	348	--	360	--
Min	36	7	2	3	2	9	10	54	46	55	65	52	23	16	18	13	84	73	57	38	3	17	7	15	--	--	2

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, WD_10m"
Month: May 2015

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	350	35	312	60	21	69	40	160	183	212	223	258	220	226	267	273	270	271	275	325	14	15	327	272	296	350	14
2	38	322	333	345	27	56	64	109	108	209	110	202	260	247	242	247	259	245	266	306	145	142	281	262	263	345	27
3	289	159	81	19	37	46	323	90	95	288	163	196	196	234	205	231	234	262	258	280	302	295	303	159	249	323	19
4	101	74	89	65	87	65	268	224	165	72	105	50	259	258	250	268	214	99	35	251	350	47	68	77	80	350	35
5	98	79	189	77	354	78	201	138	178	187	202	238	274	253	223	209	257	249	269	313	346	25	49	54	216	354	25
6	25	48	67	77	59	57	63	75	175	199	212	179	200	204	229	219	236	234	257	253	264	273	211	287	212	287	25
7	320	311	20	343	10	303	50	140	249	208	197	201	199	226	231	216	216	201	356	180	224	246	234	248	241	356	10
8	205	185	340	5	355	27	283	224	267	227	238	244	255	264	239	260	264	264	265	271	264	251	273	273	263	355	5
9	270	329	253	262	288	315	22	308	235	246	250	256	281	250	242	254	264	272	267	269	315	333	348	336	282	348	22
10	257	351	344	313	49	308	284	170	214	270	258	251	222	246	261	259	240	252	249	274	10	21	16	10	282	351	10
11	10	50	33	70	75	80	96	88	70	69	97	147	160	137	156	126	186	182	183	64	37	77	59	119	96	186	10
12	190	89	51	46	22	32	287	103	192	245	230	238	180	230	204	203	188	194	223	189	175	154	166	158	186	287	22
13	342	137	88	107	140	86	95	65	76	85	140	150	173	189	223	208	239	248	228	213	47	103	65	87	129	342	47
14	6	7	47	40	93	160	183	182	193	214	201	180	188	213	224	223	225	234	253	248	239	247	212	196	209	253	6
15	192	205	191	187	200	182	189	230	253	248	185	190	207	210	192	192	216	334	180	200	289	235	109	257	208	334	109
16	258	73	188	181	185	224	236	278	277	202	245	268	196	205	239	255	244	246	274	313	22	54	76	74	236	313	22
17	52	75	101	81	91	79	99	115	89	63	248	248	228	263	254	272	234	275	277	336	36	69	360	39	48	360	36
18	48	56	11	58	66	72	71	70	154	155	155	163	218	255	244	223	233	268	260	254	259	273	24	340	218	340	11
19	46	64	62	37	59	359	348	128	224	205	193	270	274	265	223	264	251	259	280	325	11	17	327	322	311	359	11
20	47	32	32	16	80	88	89	287	170	117	113	170	175	132	211	233	265	282	276	331	350	183	51	50	86	350	16
21	50	34	342	351	340	14	141	127	220	187	167	195	225	217	229	236	230	242	255	252	210	130	133	160	207	351	14
22	151	133	216	325	37	88	0	200	185	194	180	215	223	236	216	236	262	272	269	293	332	231	306	22	238	332	0
23	253	356	40	44	54	26	80	160	217	262	217	219	255	268	271	268	260	276	268	286	315	348	291	328	287	356	26
24	46	18	330	19	38	21	293	172	294	276	219	202	246	258	259	263	230	278	277	285	329	357	306	292	294	357	18
25	312	348	3	337	313	338	84	112	211	268	265	262	284	274	259	265	264	278	270	276	338	22	299	25	300	348	3
26	290	345	360	19	44	333	67	127	189	216	210	228	247	288	255	268	271	277	281	344	1	272	320	312	294	360	1
27	28	55	47	54	41	56	76	213	241	202	221	168	201	294	285	262	267	278	276	321	318	39	46	308	313	321	28
28	34	322	18	5	47	1	315	274	216	189	252	243	240	237	246	247	264	261	269	308	7	346	26	306	296	346	1
29	58	28	342	320	341	19	46	135	185	231	273	265	251	261	271	259	244	257	268	311	10	301	4	348	303	348	4
30	325	339	339	300	336	2	342	192	110	197	220	223	256	247	270	256	276	270	265	308	6	39	303	4	295	342	2
31	17	2	38	53	100	94	341	315	265	289	268	261	270	263	251	251	247	264	268	313	340	281	19	337	305	341	2
Avg	7	33	23	26	42	41	37	153	197	214	207	218	228	240	238	243	244	258	264	286	335	345	353	338	264	--	--
Max	350	356	360	351	355	359	348	315	294	289	273	270	284	294	285	273	276	334	356	344	350	357	360	348	--	360	--
Min	6	2	3	5	10	1	0	65	70	63	97	50	160	132	156	126	186	99	35	64	1	15	4	4	--	--	0

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, WD_10m"
Month: Jun 2015

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	51	9	32	307	357	58	46	100	190	197	250	258	245	255	245	257	247	260	285	296	315	18	54	27	308	357	9
2	50	67	60	52	54	66	81	101	177	174	213	216	232	261	260	248	268	277	274	282	4	58	37	58	30	282	4
3	51	46	38	22	348	56	54	102	157	186	167	171	236	229	238	263	244	257	274	276	347	46	333	350	320	350	22
4	45	30	52	62	69	59	69	131	126	160	166	153	178	187	224	243	241	242	255	121	75	92	91	89	119	255	30
5	90	78	76	73	65	53	62	278	43	97	63	89	99	75	134	174	280	239	202	52	82	80	57	69	80	280	43
6	26	54	56	345	67	64	81	130	190	227	261	245	268	260	278	266	263	277	280	277	360	329	45	52	316	360	26
7	99	332	73	47	55	71	115	78	180	178	205	268	269	258	263	266	260	263	271	299	340	35	1	273	296	340	1
8	4	283	336	340	354	59	65	103	260	270	229	64	83	278	245	255	265	258	285	347	58	146	115	172	313	354	4
9	186	131	146	116	67	93	202	55	184	203	195	221	253	272	256	238	213	79	183	116	13	43	268	277	183	277	13
10	301	341	341	20	326	308	157	225	232	197	262	256	262	254	265	264	261	262	258	266	278	317	11	321	279	341	11
11	31	359	26	53	52	304	59	180	223	220	253	261	252	251	283	266	271	278	261	277	348	12	289	320	295	359	12
12	20	352	320	37	340	57	338	183	206	242	241	243	238	242	240	251	224	241	249	269	339	15	348	333	285	352	15
13	302	356	26	38	64	28	49	142	186	199	229	259	245	260	267	257	254	262	263	267	330	18	289	330	290	356	18
14	49	27	313	323	319	331	41	121	183	238	209	259	266	255	245	261	279	256	261	267	316	7	310	295	288	331	7
15	325	6	42	52	343	338	11	180	238	201	237	253	269	250	266	253	263	271	265	276	360	63	354	315	296	360	6
16	334	2	10	67	82	114	345	142	113	178	189	242	209	239	266	260	269	272	269	275	324	336	316	2	290	345	2
17	72	70	72	69	70	69	78	4	100	180	223	279	253	275	261	264	264	265	267	275	338	11	7	7	339	338	4
18	355	40	48	46	41	342	4	149	208	276	264	261	262	262	266	274	271	258	267	283	342	356	49	52	313	356	4
19	55	8	9	353	299	317	355	102	154	205	272	285	251	238	243	261	266	267	274	277	38	268	300	356	295	356	8
20	332	334	15	320	338	58	51	63	96	208	229	259	251	285	234	262	251	269	266	297	333	7	313	320	305	338	7
21	323	28	323	66	56	330	316	286	251	254	236	255	271	270	257	251	260	264	268	267	291	336	8	299	291	336	8
22	316	350	18	334	237	356	62	334	156	118	236	293	254	256	261	270	268	258	260	273	308	34	20	13	303	356	13
23	16	51	57	33	335	2	340	103	209	237	252	242	248	265	263	261	258	259	260	271	316	354	353	258	294	354	2
24	194	3	18	93	80	106	77	82	93	83	143	150	183	216	222	248	67	66	65	98	75	75	72	72	95	248	3
25	79	72	88	63	88	71	65	110	184	297	214	213	231	260	259	270	270	264	261	265	281	26	227	242	244	297	26
26	130	209	272	263	18	255	304	183	222	223	253	275	251	247	238	260	259	260	272	265	301	326	206	262	255	326	18
27	195	164	164	17	315	307	345	221	196	251	225	240	267	265	266	272	185	67	51	49	70	68	83	83	239	345	17
28	65	80	294	44	87	95	242	253	210	158	150	201	184	336	267	178	63	75	179	302	233	53	72	307	149	336	44
29	55	27	25	51	2	102	213	173	261	240	297	277	252	269	256	257	262	271	273	272	217	304	157	327	274	327	2
30	355	257	355	70	88	87	76	254	266	264	254	217	235	246	254	249	266	267	266	290	4	29	296	214	275	355	4
Avg	29	23	26	34	29	39	44	135	189	209	227	243	242	256	253	255	258	264	263	282	342	20	3	339	291	--	--
Max	355	359	355	353	357	356	355	334	266	297	297	293	271	336	283	274	280	278	285	347	360	356	354	356	--	360	--
Min	4	2	9	17	2	2	4	4	43	83	63	64	83	75	134	174	63	66	51	49	4	7	1	2	--	--	1

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, DeltaTemp_C"
Month: Apr 2015

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	0.36	0.63	0.71	0.97	1.37	0.92	0.81	-0.58	-1.36	-1.68	-1.95	-2.41	-2.28	-1.27	-1.21	-1.15	-0.78	-0.49	-0.11	0.31	1.18	2.14	2.47	2.45	-0.04	2.47	-2.41
2	1.40	1.22	1.07	1.07	1.45	0.96	0.83	-0.38	-0.95	-1.54	-1.03	-0.76	-1.12	-0.95	-0.69	-0.82	-0.68	-0.49	-0.13	0.13	0.61	0.84	1.53	2.07	0.15	2.07	-1.54
3	1.76	1.77	1.05	1.29	0.53	0.70	0.52	-0.40	-1.16	-1.65	-1.76	-1.76	-1.66	-1.41	-1.83	-1.24	-1.00	-0.56	-0.15	0.20	0.94	0.68	1.07	0.69	-0.14	1.77	-1.83
4	1.05	1.76	1.10	0.42	0.49	0.52	0.39	-0.47	-0.59	-0.71	-1.54	-2.19	-2.01	-1.99	-1.47	-1.02	-0.73	-0.49	-0.10	0.44	1.30	1.55	1.25	1.11	-0.08	1.76	-2.19
5	0.94	1.05	0.57	1.06	0.80	0.90	0.86	-0.64	-1.31	-2.01	-1.47	-2.22	-1.88	-1.87	-1.85	-1.27	-0.97	-0.49	-0.05	0.46	0.79	0.63	0.82	1.26	-0.25	1.26	-2.22
6	1.17	1.06	0.99	1.10	1.84	0.99	1.22	-0.50	-1.26	-1.77	-1.51	-1.38	-1.08	-1.58	-1.36	-1.03	-1.01	-0.48	-0.11	0.43	1.07	1.59	1.64	1.77	0.07	1.84	-1.77
7	1.93	1.16	1.13	0.74	1.04	1.07	1.33	-0.61	-1.41	-1.79	-2.02	-1.92	-2.25	-1.94	-1.49	-1.09	-0.82	-0.40	-0.07	0.27	0.31	0.75	0.90	0.87	-0.18	1.93	-2.25
8	1.13	1.23	1.06	1.08	1.07	0.58	1.47	-0.72	-0.79	-0.89	-1.04	-1.19	-1.27	-1.55	-1.16	-1.23	-0.87	-0.76	-0.29	-0.02	0.29	0.23	0.33	0.43	-0.12	1.47	-1.55
9	0.78	0.45	0.67	0.89	0.61	0.63	0.44	0.01	-0.54	-1.30	-1.21	-1.41	-1.60	-2.21	-1.24	-1.58	-0.84	-0.53	-0.18	0.42	1.07	1.10	1.47	1.56	-0.11	1.56	-2.21
10	1.58	1.65	1.60	1.20	1.91	1.99	0.74	0.00	-0.44	-1.25	-1.55	-1.92	-2.14	-1.49	-1.12	-1.08	-0.92	-0.61	-0.17	0.23	0.91	0.71	1.31	1.10	0.09	1.99	-2.14
11	1.77	1.85	1.94	1.61	0.97	1.50	0.86	-0.72	-1.12	-1.17	-1.75	-1.83	-1.48	-1.73	-1.38	-0.89	-0.60	-0.49	-0.15	0.26	0.60	0.97	1.12	1.45	0.07	1.94	-1.83
12	0.99	0.25	0.12	0.04	0.15	0.32	0.16	-0.17	-0.38	-0.57	-1.02	-1.40	-1.15	-1.20	-1.09	-0.73	-0.55	-0.52	-0.24	0.00	0.05	0.22	0.71	1.22	-0.20	1.22	-1.40
13	1.11	0.80	0.53	0.54	0.77	0.67	0.89	-0.76	-1.03	-1.12	-1.67	-1.25	-1.21	-1.16	-1.29	-1.04	-1.05	-0.68	-0.21	0.12	0.33	0.74	0.28	0.08	-0.23	1.11	-1.67
14	0.10	0.12	0.13	0.09	0.09	0.12	0.04	-0.40	-0.73	-1.44	-2.11	-2.05	-2.05	-1.32	-1.63	-0.92	-1.15	-0.68	-0.38	0.04	0.24	0.79	1.58	1.71	-0.41	1.71	-2.11
15	1.17	1.41	1.51	1.76	1.81	1.66	1.38	-0.79	-1.43	-1.86	-1.40	-1.21	-1.12	-1.13	-1.35	-1.05	-0.94	-0.57	-0.20	-0.03	0.00	0.08	0.21	0.38	-0.07	1.81	-1.86
16	0.87	0.24	0.25	0.27	0.41	0.25	0.32	-0.60	-1.20	-1.35	-1.67	-1.15	-1.32	-1.52	-1.55	-1.24	-1.03	-0.64	-0.30	0.00	0.88	1.18	1.03	0.73	-0.30	1.18	-1.67
17	0.77	0.98	1.11	1.36	0.85	1.00	0.75	-0.60	-1.45	-1.16	-1.05	-1.01	-1.18	-1.24	-1.32	-0.98	-0.87	-0.63	-0.30	0.27	0.97	1.02	0.96	0.91	-0.04	1.36	-1.45
18	1.09	1.72	2.01	2.39	2.00	1.27	1.06	-0.95	-1.14	-1.40	-1.15	-1.17	-1.36	-1.36	-1.15	-1.04	-0.79	-0.58	-0.14	0.43	1.93	2.17	2.50	2.08	0.35	2.50	-1.40
19	2.02	2.36	2.16	1.21	1.42	2.28	1.71	-0.67	-0.79	-1.17	-1.25	-1.36	-1.25	-1.51	-1.55	-1.08	-0.86	-0.65	-0.18	0.21	1.32	1.42	0.63	0.62	0.21	2.36	-1.55
20	0.72	1.17	1.49	0.93	0.92	1.31	1.62	-0.83	-1.14	-1.17	-1.51	-1.81	-1.39	-1.22	-1.39	-0.96	-0.85	-0.62	-0.14	0.30	0.70	0.56	0.59	0.73	-0.08	1.62	-1.81
21	0.52	1.29	1.46	0.76	0.88	0.63	0.55	-0.61	-0.98	-1.26	-1.69	-1.77	-1.14	-1.56	-1.90	-1.78	-0.87	-0.65	-0.04	0.21	1.10	0.40	0.65	0.68	-0.21	1.46	-1.90
22	0.96	1.23	0.44	1.13	0.96	1.38	0.68	-0.62	-1.11	-1.85	-2.08	-2.06	-2.16	-2.37	-2.30	-1.95	-1.36	-0.59	-0.28	0.02	0.29	0.28	0.23	0.29	-0.45	1.38	-2.37
23	0.18	1.08	0.63	0.65	0.62	0.88	0.76	-0.76	-0.84	-1.35	-1.52	-2.34	-1.65	-1.16	-1.10	-1.00	-1.00	-0.67	-0.32	-0.17	-0.19	-0.05	-0.01	-0.09	-0.39	1.08	-2.34
24	0.00	0.11	0.17	-0.01	-0.13	-0.35	-0.45	-0.79	-0.89	-1.25	-1.94	-1.36	-1.84	-1.61	-0.90	-1.02	-0.65	-0.58	-0.46	0.11	0.83	0.43	0.57	0.21	-0.49	0.83	-1.94
25	0.53	0.58	0.19	0.36	0.64	0.74	0.15	-1.03	-1.00	-1.96	-1.92	-2.15	-1.40	-1.94	-1.63	-1.68	-0.75	-0.27	-0.17	-0.13	-0.10	-0.05	0.08	-0.22	-0.55	0.74	-2.15
26	-0.06	-0.21	-0.38	-0.25	-0.28	-0.23	-0.23	-0.24	-0.24	-0.38	-0.35	-0.58	-0.72	-0.85	-0.59	-0.37	-0.49	-0.26	-0.06	0.20	0.35	0.06	0.35	0.98	-0.20	0.98	-0.85
27	1.44	1.05	1.02	1.54	1.10	0.57	0.13	-0.64	-1.04	-1.17	-0.96	-1.78	-1.59	-1.36	-0.93	-0.95	-0.53	-0.52	-0.17	0.74	1.50	2.50	1.19	1.12	0.09	2.50	-1.78
28	1.10	0.44	0.18	0.12	0.16	0.18	0.04	-0.50	-0.94	-1.25	-1.51	-1.46	-2.00	-1.77	-1.68	-1.09	-1.07	-0.49	-0.06	0.06	0.10	0.10	0.11	0.20	-0.46	1.10	-2.00
29	0.30	0.24	0.27	0.24	0.45	0.29	0.02	-0.70	-1.17	-1.44	-1.45	-1.56	-1.69	-1.57	-1.75	-1.41	-1.18	-0.65	-0.04	0.73	0.89	0.61	0.64	0.65	-0.39	0.89	-1.75
30	0.69	0.53	0.41	0.42	0.42	0.51	0.25	-0.45	-0.50	-0.88	-1.49	-1.91	-1.20	-1.52	-1.27	-1.54	-0.91	-0.58	-0.14	0.26	0.40	1.13	1.43	1.07	-0.20	1.43	-1.91
Avg	0.95	0.97	0.85	0.83	0.84	0.81	0.64	-0.57	-0.96	-1.33	-1.49	-1.61	-1.54	-1.51	-1.37	-1.14	-0.87	-0.55	-0.18	0.22	0.69	0.83	0.92	0.94	-0.15	--	--
Max	2.02	2.36	2.16	2.39	2.00	2.28	1.71	0.01	-0.24	-0.38	-0.35	-0.58	-0.72	-0.85	-0.59	-0.37	-0.49	-0.26	-0.04	0.74	1.93	2.50	2.50	2.45	--	2.50	--
Min	-0.06	-0.21	-0.38	-0.25	-0.28	-0.35	-0.45	-1.03	-1.45	-2.01	-2.11	-2.41	-2.28	-2.37	-2.30	-1.95	-1.36	-0.76	-0.46	-0.17	-0.19	-0.05	-0.01	-0.22	--	--	-2.41

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, DeltaTemp_C"
Month: May 2015

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	1.85	2.44	1.94	2.21	1.78	1.16	0.62	-0.78	-1.03	-1.06	-0.93	-0.90	-1.74	-1.87	-1.06	-0.80	-0.80	-0.44	-0.06	0.37	0.70	0.72	0.70	0.82	0.16	2.44	-1.87
2	3.00	2.71	2.04	2.08	1.81	1.73	0.86	-0.45	-0.98	-0.86	-1.07	-1.09	-0.97	-1.51	-1.36	-1.42	-0.83	-0.77	-0.28	0.11	0.25	0.23	0.36	0.45	0.17	3.00	-1.51
3	0.27	0.23	0.57	1.32	1.47	0.70	0.08	-1.03	-1.03	-1.03	-1.59	-2.18	-2.16	-1.93	-1.69	-1.41	-1.02	-0.64	-0.36	0.00	0.17	-0.04	0.06	0.13	-0.46	1.47	-2.18
4	0.39	0.36	-0.02	0.17	0.36	0.22	-0.05	-0.21	-0.73	-0.62	-0.45	-0.77	-0.72	-0.83	-0.75	-0.55	-0.31	0.34	0.51	-0.02	0.44	0.14	0.35	0.20	-0.11	0.51	-0.83
5	0.21	0.32	0.01	0.09	-0.02	0.14	-0.15	-0.60	-0.88	-0.96	-1.16	-0.54	-0.64	-0.48	-1.11	-1.03	-0.66	-0.55	-0.14	0.26	0.87	0.85	0.69	0.66	-0.20	0.87	-1.16
6	0.80	0.88	0.67	0.40	1.03	0.97	0.25	-0.52	-0.79	-0.88	-1.07	-1.14	-1.35	-1.72	-1.31	-1.60	-0.96	-0.65	-0.13	0.06	0.10	0.07	0.16	0.40	-0.26	1.03	-1.72
7	0.31	0.19	0.67	0.82	1.39	0.58	0.44	-0.80	-0.49	-1.50	-2.00	-1.84	-2.00	-1.74	-1.44	-1.49	-1.31	-0.99	-0.30	-0.21	-0.07	-0.02	-0.05	-0.09	-0.50	1.39	-2.00
8	0.01	0.09	0.20	0.51	0.70	0.78	0.15	-0.70	-0.63	-1.12	-1.11	-1.29	-1.05	-1.15	-1.30	-0.88	-0.70	-0.48	-0.29	-0.10	-0.05	0.01	-0.05	-0.04	-0.36	0.78	-1.30
9	-0.08	-0.11	-0.21	-0.14	-0.05	0.04	-0.10	-0.54	-0.91	-1.03	-1.05	-1.56	-1.12	-1.50	-1.65	-1.29	-0.97	-0.73	-0.48	-0.20	0.10	0.40	0.38	0.49	-0.51	0.49	-1.65
10	0.51	0.80	1.03	0.85	1.35	1.65	0.35	-0.80	-1.02	-0.79	-0.87	-1.19	-1.61	-1.54	-1.24	-1.13	-1.21	-0.79	-0.41	-0.03	0.92	1.28	0.98	1.29	-0.07	1.65	-1.61
11	1.16	1.00	1.02	0.76	0.46	0.45	0.21	-0.67	-1.05	-1.23	-1.55	-1.93	-2.14	-1.62	-1.72	-1.30	-1.04	-0.68	-0.21	1.04	1.32	0.56	0.89	1.06	-0.22	1.32	-2.14
12	0.71	1.23	1.05	1.15	1.27	1.44	0.79	-0.75	-0.77	-0.93	-0.97	-0.83	-1.30	-0.89	-1.14	-0.96	-0.87	-0.61	-0.12	0.12	0.16	0.15	0.08	0.23	-0.07	1.44	-1.30
13	0.42	0.45	0.28	0.09	0.03	0.02	-0.16	-0.80	-1.31	-1.65	-1.48	-2.19	-2.41	-2.06	-1.72	-1.52	-0.86	-0.60	-0.41	-0.10	0.51	0.48	0.46	0.37	-0.59	0.51	-2.41
14	0.47	0.42	1.03	0.77	0.52	0.05	-0.30	-1.04	-1.40	-1.36	-2.11	-2.39	-2.41	-2.26	-1.94	-1.70	-1.26	-0.68	-0.31	-0.20	-0.19	-0.21	-0.23	-0.25	-0.71	1.03	-2.41
15	-0.27	-0.31	-0.36	-0.31	-0.24	-0.33	-0.56	-0.61	-0.58	-0.48	-1.41	-2.06	-1.79	-0.93	-1.04	-1.39	-0.66	-0.38	-0.56	-0.23	-0.13	-0.08	0.15	-0.14	-0.61	0.15	-2.06
16	-0.19	0.01	-0.11	-0.18	-0.22	-0.24	-0.24	-0.31	-0.43	-0.79	-0.59	-0.57	-1.28	-1.18	-0.86	-0.60	-0.79	-0.63	-0.27	0.35	1.28	0.78	0.42	0.46	-0.26	1.28	-1.28
17	0.56	0.44	0.51	0.26	0.16	0.22	-0.04	-0.76	-1.09	-1.20	-1.03	-1.13	-1.31	-1.31	-1.30	-0.97	-0.99	-0.63	-0.33	0.67	1.12	0.54	0.92	1.51	-0.22	1.51	-1.31
18	1.50	1.82	1.77	1.14	0.60	0.52	0.08	-0.83	-1.07	-1.26	-1.80	-1.72	-1.49	-0.67	-0.74	-1.01	-0.80	-0.21	-0.03	0.05	0.13	0.32	1.00	0.72	-0.08	1.82	-1.80
19	1.84	1.25	1.65	1.71	1.90	1.56	0.54	-0.69	-0.71	-1.06	-1.52	-1.12	-1.31	-1.35	-1.83	-1.27	-1.14	-0.70	-0.32	0.15	0.42	0.45	0.43	0.77	-0.01	1.90	-1.83
20	1.71	1.54	1.62	1.78	0.68	0.48	-0.06	-0.36	-0.94	-1.47	-1.86	-2.05	-1.54	-1.72	-1.47	-1.32	-0.52	-0.36	-0.18	0.59	1.39	0.57	1.17	1.66	-0.03	1.78	-2.05
21	1.90	1.37	1.41	1.08	0.69	0.98	0.42	-0.14	-0.47	-1.77	-1.93	-1.90	-1.66	-1.78	-1.31	-1.28	-1.22	-0.74	-0.31	-0.10	0.11	0.48	0.48	0.46	-0.22	1.90	-1.93
22	0.54	0.39	0.43	0.73	0.70	0.62	-0.09	-0.52	-1.35	-2.10	-2.23	-2.06	-1.91	-1.80	-2.11	-1.50	-0.82	-0.77	-0.47	-0.27	-0.12	-0.12	0.16	0.36	-0.60	0.73	-2.23
23	0.46	0.72	0.76	0.83	1.00	0.94	-0.25	-0.83	-0.91	-0.97	-1.37	-1.66	-1.47	-1.35	-1.25	-1.10	-0.99	-0.90	-0.50	-0.21	0.00	0.35	0.46	0.61	-0.32	1.00	-1.66
24	0.70	1.14	0.78	0.95	0.80	0.95	0.08	-0.68	-1.02	-0.86	-1.53	-1.63	-1.12	-1.24	-0.98	-1.32	-1.28	-0.83	-0.46	-0.11	0.24	0.39	0.42	0.63	-0.25	1.14	-1.63
25	1.15	1.13	1.62	1.61	0.92	1.24	0.20	-0.94	-0.94	-0.87	-0.98	-1.02	-1.30	-1.24	-1.17	-1.37	-1.06	-0.78	-0.50	-0.14	0.39	1.33	0.75	1.29	-0.03	1.62	-1.37
26	0.69	1.02	1.23	1.03	1.27	0.82	0.09	-1.02	-1.24	-1.15	-1.19	-1.40	-1.36	-1.32	-1.25	-1.09	-0.69	-0.50	-0.29	0.21	0.78	0.44	1.08	1.44	-0.10	1.44	-1.40
27	1.10	1.09	1.36	1.35	1.15	0.69	0.09	-0.36	-0.45	-0.92	-0.98	-1.36	-1.89	-1.18	-1.22	-1.00	-0.65	-0.45	-0.16	0.40	1.33	1.65	0.86	1.06	0.06	1.65	-1.89
28	1.76	1.52	2.35	2.27	1.44	1.22	0.58	-0.40	-0.72	-1.42	-1.05	-1.38	-1.30	-1.28	-1.35	-1.27	-0.99	-0.67	-0.28	0.17	0.56	0.76	1.27	1.31	0.13	2.35	-1.42
29	0.75	1.92	1.90	2.04	2.34	2.02	0.55	-0.87	-1.08	-1.08	-0.85	-0.90	-1.27	-1.17	-1.28	-1.19	-1.17	-0.67	-0.31	0.22	0.81	0.79	1.43	2.03	0.21	2.34	-1.28
30	2.19	2.32	2.02	1.81	1.91	2.13	0.67	-0.70	-0.84	-1.27	-1.40	-1.34	-1.02	-1.41	-1.11	-1.01	-0.99	-0.64	-0.26	0.18	0.70	0.64	1.18	1.40	0.21	2.32	-1.41
31	2.51	2.14	2.38	1.76	0.60	0.60	0.25	-0.43	-0.51	-0.75	-0.91	-1.13	-0.96	-1.14	-1.20	-1.30	-1.04	-0.71	-0.39	0.07	0.61	0.93	1.10	1.00	0.15	2.51	-1.30
Avg	0.93	0.98	1.02	1.00	0.90	0.79	0.17	-0.65	-0.88	-1.11	-1.29	-1.43	-1.47	-1.39	-1.32	-1.20	-0.92	-0.61	-0.28	0.10	0.48	0.48	0.58	0.72	-0.18	--	--
Max	3.00	2.71	2.38	2.27	2.34	2.13	0.86	-0.14	-0.43	-0.48	-0.45	-0.54	-0.64	-0.48	-0.74	-0.55	-0.31	0.34	0.51	1.04	1.39	1.65	1.43	2.03	--	3.00	--
Min	-0.27	-0.31	-0.36	-0.31	-0.24	-0.33	-0.56	-1.04	-1.40	-2.10	-2.23	-2.39	-2.41	-2.26	-2.11	-1.70	-1.31	-0.99	-0.56	-0.27	-0.19	-0.21	-0.23	-0.25	--	--	-2.41

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, DeltaTemp_C"
Month: Jun 2015

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	1.80	1.61	1.76	1.11	1.29	1.45	0.89	-1.05	-0.99	-1.47	-1.08	-1.17	-1.43	-1.33	-1.32	-1.12	-1.09	-0.65	-0.32	0.38	1.09	1.01	2.08	1.99	0.14	2.08	-1.47
2	1.95	1.28	1.70	1.59	1.38	0.99	0.12	-1.24	-1.20	-1.29	-1.53	-1.78	-1.46	-1.45	-1.21	-1.17	-0.89	-0.72	-0.35	0.18	1.01	1.87	1.85	2.47	0.09	2.47	-1.78
3	2.44	2.06	2.47	2.44	2.08	2.18	0.71	-1.00	-1.45	-1.46	-1.82	-2.18	-1.47	-1.85	-1.54	-1.13	-1.08	-0.67	-0.33	0.22	0.55	1.63	1.77	2.19	0.20	2.47	-2.18
4	2.84	1.96	1.26	1.62	1.45	1.50	0.18	-0.93	-1.49	-1.75	-1.95	-1.69	-1.44	-1.30	-0.73	-0.31	-0.41	-0.21	-0.12	-0.17	0.17	0.19	0.02	0.03	-0.05	2.84	-1.95
5	0.07	0.03	0.04	0.19	0.35	0.22	0.40	0.08	-0.03	-0.27	-0.61	-0.61	-0.66	-0.85	-1.26	-0.92	-0.75	-0.83	-0.62	-0.14	0.22	0.18	0.27	0.32	-0.22	0.40	-1.26
6	0.32	0.57	0.81	0.94	0.83	0.59	0.21	-0.46	-0.82	-0.54	-0.58	-1.28	-1.32	-1.23	-1.13	-1.09	-1.01	-0.71	-0.48	-0.06	0.77	0.62	0.99	0.90	-0.13	0.99	-1.32
7	0.86	1.20	1.11	1.14	0.63	0.50	-0.15	-1.08	-0.89	-2.15	-1.52	-1.24	-1.19	-1.39	-1.31	-1.09	-1.02	-0.81	-0.49	-0.12	0.16	0.64	0.79	0.38	-0.29	1.20	-2.15
8	0.90	0.85	1.58	1.33	1.32	1.15	0.13	-0.31	-0.55	-0.34	-0.98	-1.18	-1.42	-0.72	-0.64	-0.57	-0.44	-0.30	-0.05	0.36	0.78	0.26	0.39	0.19	0.07	1.58	-1.42
9	0.17	0.01	-0.09	0.01	0.06	-0.05	-0.20	-0.27	-0.68	-0.51	-0.91	-0.63	-0.73	-0.77	-0.59	-0.50	-0.43	-0.25	-0.39	-0.23	0.02	0.01	0.02	0.07	-0.29	0.17	-0.91
10	0.08	-0.02	0.07	0.16	0.01	-0.08	-0.38	-0.48	-0.60	-0.87	-0.83	-0.85	-1.02	-1.41	-1.08	-0.81	-0.76	-0.74	-0.51	-0.19	-0.01	0.07	0.43	0.57	-0.39	0.57	-1.41
11	0.96	1.09	1.30	0.56	0.37	0.34	-0.49	-0.68	-0.74	-1.17	-1.30	-1.11	-1.36	-1.52	-1.19	-1.15	-0.94	-0.86	-0.47	-0.13	0.11	0.46	0.53	1.06	-0.26	1.30	-1.52
12	1.51	1.82	1.18	1.29	1.24	1.15	0.53	-0.62	-0.94	-0.69	-1.05	-1.19	-1.44	-1.48	-1.59	-1.24	-1.13	-0.96	-0.50	-0.04	0.25	0.60	1.12	1.45	-0.03	1.82	-1.59
13	1.10	0.98	1.17	1.77	1.56	1.41	0.22	-1.00	-0.90	-1.23	-1.32	-1.12	-1.26	-1.20	-1.46	-1.17	-1.28	-0.76	-0.50	-0.18	0.08	0.20	0.35	0.44	-0.17	1.77	-1.46
14	0.43	0.64	0.94	0.74	1.10	0.90	0.12	-0.90	-1.22	-0.94	-1.55	-1.33	-1.21	-1.35	-1.47	-1.33	-1.22	-0.78	-0.48	-0.16	0.17	1.24	1.12	0.69	-0.24	1.24	-1.55
15	0.98	1.56	1.82	1.89	1.33	1.41	0.22	-0.96	-0.79	-1.34	-1.00	-1.03	-1.01	-1.41	-1.08	-1.24	-0.91	-0.74	-0.39	0.05	0.58	1.48	1.47	1.83	0.11	1.89	-1.41
16	1.10	1.81	1.84	1.06	0.63	0.36	0.01	-0.59	-1.13	-1.65	-1.98	-1.34	-1.89	-1.86	-0.96	-1.00	-0.84	-0.60	-0.30	0.05	0.29	0.93	1.14	1.05	-0.16	1.84	-1.98
17	0.26	0.25	0.39	0.34	0.36	0.40	-0.14	-0.54	-1.06	-1.65	-1.32	-1.69	-1.09	-1.14	-0.98	-0.99	-0.89	-0.62	-0.29	0.11	0.31	0.63	0.55	0.78	-0.34	0.78	-1.69
18	2.11	2.57	2.90	2.34	1.75	1.44	0.63	-0.94	-1.01	-0.86	-0.83	-0.91	-1.17	-1.06	-1.11	-1.00	-0.84	-0.70	-0.27	0.18	1.18	2.05	1.98	2.61	0.46	2.90	-1.17
19	3.18	2.97	2.74	3.03	1.85	2.33	1.29	-0.90	-1.17	-0.92	-0.88	-1.23	-1.34	-1.55	-1.54	-1.04	-0.93	-0.55	-0.23	0.26	1.23	1.37	1.70	2.67	0.51	3.18	-1.55
20	2.60	2.44	2.46	2.29	2.50	3.07	0.33	-0.86	-0.93	-1.07	-1.30	-1.31	-1.25	-1.15	-1.72	-1.09	-1.10	-0.70	-0.37	0.14	1.00	1.82	1.77	2.25	0.41	3.07	-1.72
21	1.90	1.84	1.42	0.96	0.81	0.67	-0.06	-0.47	-0.84	-0.90	-1.18	-1.50	-1.33	-1.22	-1.51	-1.22	-0.99	-0.74	-0.45	-0.13	0.10	0.32	0.53	0.33	-0.15	1.90	-1.51
22	1.00	1.34	1.21	1.10	0.45	0.83	0.03	-0.69	-1.20	-1.52	-1.32	-1.03	-1.42	-1.20	-1.14	-0.95	-0.90	-0.67	-0.36	0.01	0.36	1.32	2.03	2.23	-0.02	2.23	-1.52
23	1.25	2.01	1.54	1.96	1.49	1.06	0.13	-0.79	-0.79	-1.16	-1.20	-1.30	-1.32	-1.17	-1.05	-0.94	-0.86	-0.64	-0.32	0.06	0.20	0.56	1.05	0.80	0.02	2.01	-1.32
24	0.62	1.56	1.34	1.00	0.61	0.25	-0.12	-0.27	-0.73	-1.32	-1.20	-1.75	-1.69	-1.57	-1.47	-1.10	-0.87	-0.63	-0.32	0.07	0.24	0.11	-0.01	0.05	-0.30	1.56	-1.75
25	0.12	0.31	0.27	0.30	0.22	0.25	-0.23	-0.89	-1.32	-1.03	-1.43	-1.47	-1.32	-1.33	-1.34	-1.02	-0.82	-0.72	-0.48	-0.19	-0.05	0.26	0.23	0.15	-0.48	0.31	-1.47
26	0.17	0.14	0.31	0.25	0.20	0.28	-0.06	-1.16	-1.20	-1.18	-1.26	-1.08	-1.34	-1.53	-1.46	-1.14	-0.77	-0.62	-0.41	-0.13	0.05	0.16	0.15	0.05	-0.48	0.31	-1.53
27	-0.07	-0.09	-0.07	0.19	0.26	-0.03	-0.12	-0.50	-0.89	-0.98	-1.24	-1.51	-1.19	-1.25	-1.31	-1.18	-1.19	-0.77	-0.16	0.39	0.38	0.08	0.01	0.02	-0.47	0.39	-1.51
28	-0.01	0.12	0.19	0.42	0.24	0.25	0.12	-0.43	-1.35	-1.62	-1.44	-1.92	-1.82	-1.50	-1.18	-1.61	0.15	-0.24	-0.40	-0.21	-0.06	0.27	0.20	0.12	-0.49	0.42	-1.92
29	0.28	0.47	0.45	0.32	0.35	0.25	-0.09	-0.77	-0.56	-0.91	-0.95	-1.29	-1.07	-0.79	-0.91	-0.61	-0.41	-0.29	-0.18	0.05	-0.08	0.03	-0.09	0.11	-0.28	0.47	-1.29
30	0.15	0.33	0.67	0.40	0.09	0.05	-0.43	-0.59	-0.59	-0.88	-0.94	-1.57	-1.85	-1.52	-1.14	-1.07	-0.59	-0.36	0.01	0.08	0.19	0.22	0.32	0.13	-0.37	0.67	-1.85
Avg	1.04	1.12	1.16	1.09	0.89	0.84	0.13	-0.71	-0.94	-1.12	-1.22	-1.31	-1.32	-1.30	-1.21	-1.03	-0.84	-0.63	-0.35	0.02	0.38	0.69	0.83	0.93	-0.12	--	--
Max	3.18	2.97	2.90	3.03	2.50	3.07	1.29	0.08	-0.03	-0.27	-0.58	-0.61	-0.66	-0.72	-0.59	-0.31	0.15	-0.21	0.01	0.39	1.23	2.05	2.08	2.67	--	3.18	--
Min	-0.07	-0.09	-0.09	0.01	0.01	-0.08	-0.49	-1.24	-1.49	-2.15	-1.98	-2.18	-1.89	-1.86	-1.72	-1.61	-1.28	-0.96	-0.62	-0.23	-0.08	0.01	-0.09	0.02	--	--	-2.18

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, Temp_2m_C"
Month: Apr 2015

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	21.8	21.1	20.3	19.5	18.8	17.9	18.0	20.5	22.7	23.9	25.1	26.6	27.5	27.0	27.4	27.6	26.9	26.1	24.9	23.2	22.0	20.5	19.8	19.3	22.8	27.6	17.9
2	19.1	18.7	17.8	17.4	16.8	16.7	16.8	18.5	20.3	21.8	22.7	22.9	24.2	24.5	24.4	24.7	24.6	24.2	22.9	21.8	20.6	19.5	18.4	17.9	20.7	24.7	16.7
3	17.3	16.8	16.2	16.5	15.7	15.5	15.4	17.8	19.4	20.9	21.8	23.1	24.5	25.4	26.3	26.3	26.2	25.0	23.5	22.3	20.8	19.8	19.7	19.6	20.7	26.3	15.4
4	18.7	18.2	18.3	18.5	18.1	17.9	17.8	19.6	21.7	23.3	25.5	27.3	27.6	28.5	27.9	27.0	26.4	25.6	24.2	23.1	21.7	20.8	20.5	19.9	22.4	28.5	17.8
5	19.4	18.6	17.9	17.2	16.6	16.1	16.0	18.2	21.0	23.1	23.2	25.7	26.2	26.8	27.3	27.1	26.6	25.6	24.3	22.4	21.2	20.4	19.5	18.4	21.6	27.3	16.0
6	17.6	17.3	16.9	16.5	15.5	15.6	14.7	17.5	19.9	21.7	22.7	23.3	23.8	25.2	25.3	25.0	25.1	24.0	22.7	20.9	19.4	18.4	17.6	16.8	20.1	25.3	14.7
7	16.6	16.7	15.9	15.6	15.1	15.1	14.8	17.4	19.9	21.5	23.0	24.2	25.5	25.7	25.7	25.6	25.3	24.5	23.1	21.0	19.7	18.7	18.0	17.1	20.2	25.7	14.8
8	16.2	15.7	15.0	14.4	13.8	13.3	12.2	15.1	15.9	16.9	17.5	18.4	19.4	20.3	20.2	20.4	20.0	19.7	18.4	17.1	16.3	16.2	14.9	13.8	16.7	20.4	12.2
9	13.6	12.7	12.8	13.1	13.0	12.5	12.6	13.6	16.2	18.4	19.7	21.2	22.8	24.5	24.2	25.3	24.3	23.2	21.8	20.1	18.7	17.8	16.8	16.1	18.1	25.3	12.5
10	15.5	15.2	15.1	15.3	14.7	14.0	13.6	16.6	18.6	21.1	22.8	24.1	24.9	24.9	25.1	25.3	25.3	24.3	23.0	21.9	20.6	19.0	18.5	18.1	19.9	25.3	13.6
11	17.5	17.0	16.5	16.4	15.4	15.2	15.2	18.5	20.5	21.9	23.7	24.6	25.0	25.8	26.0	25.3	24.4	24.2	23.3	22.2	20.5	19.3	18.9	18.7	20.7	26.0	15.2
12	18.4	18.0	18.1	17.6	17.2	16.2	16.0	16.6	16.8	17.4	19.1	20.7	21.3	21.9	22.1	21.5	21.5	21.8	21.0	19.7	19.3	18.9	17.4	16.3	18.9	22.1	16.0
13	16.2	16.0	15.6	15.0	14.6	13.5	13.6	16.5	18.2	19.7	22.0	23.2	24.6	25.8	26.5	26.7	27.0	26.3	25.1	23.9	23.2	22.1	22.2	21.6	20.8	27.0	13.5
14	21.3	20.9	20.5	20.2	19.9	19.6	19.4	20.2	21.2	23.1	25.1	25.8	27.4	27.3	28.1	27.7	28.0	27.3	26.5	25.1	24.1	22.4	21.0	20.7	23.4	28.1	19.4
15	20.4	19.1	18.2	17.4	16.9	16.6	16.9	19.6	21.5	22.7	22.8	22.7	23.2	23.3	23.9	23.5	23.2	21.8	20.3	18.8	17.6	16.2	14.8	13.9	19.8	23.9	13.9
16	12.7	12.8	12.2	11.4	9.7	10.0	9.2	10.7	13.0	14.2	15.7	15.7	16.2	17.1	17.5	17.5	17.4	16.9	16.3	15.2	14.2	13.3	12.9	13.0	13.9	17.5	9.2
17	13.0	12.5	12.0	11.3	11.4	10.2	10.7	13.2	16.1	17.1	17.8	18.5	19.6	20.1	20.5	20.6	20.7	20.4	19.6	18.3	17.3	16.6	16.6	16.6	16.3	20.7	10.2
18	16.3	15.2	14.6	14.3	13.9	14.2	14.5	17.8	19.5	20.8	21.9	22.7	23.9	24.5	25.0	25.2	25.5	25.2	24.1	22.4	20.7	20.3	19.3	19.7	20.1	25.5	13.9
19	19.1	18.1	17.9	17.6	15.9	15.8	15.7	18.9	21.2	23.0	24.3	25.6	26.3	27.3	27.9	27.5	27.4	27.0	25.8	24.4	22.9	22.0	22.3	22.1	22.3	27.9	15.7
20	20.6	19.2	19.0	19.4	18.2	16.9	16.6	20.6	22.5	23.9	25.5	27.2	27.7	28.0	28.4	28.3	28.2	27.5	26.4	25.0	24.1	23.6	21.2	20.9	23.3	28.4	16.6
21	19.8	18.6	18.1	17.4	17.0	17.1	17.6	19.0	21.8	23.3	24.8	25.8	25.7	26.9	27.8	27.7	26.7	26.2	24.5	23.3	21.7	20.6	19.6	18.7	22.1	27.8	17.0
22	17.8	17.2	17.6	16.4	14.7	14.7	15.1	17.8	20.0	21.9	22.9	23.9	25.2	26.5	26.6	26.6	26.1	24.9	24.2	22.6	21.2	20.6	19.7	18.5	20.9	26.6	14.7
23	17.3	16.3	16.1	14.9	14.7	14.1	14.9	17.3	18.5	20.4	21.8	23.7	23.6	23.2	23.4	23.7	23.8	23.1	21.8	21.0	20.4	19.0	17.7	16.7	19.5	23.8	14.1
24	15.2	14.1	13.6	13.0	13.3	13.1	13.6	14.0	14.0	15.3	17.0	15.0	16.9	18.6	17.2	18.8	18.7	19.4	19.3	18.2	17.3	16.3	15.7	15.9	16.0	19.4	13.0
25	15.3	14.8	14.3	13.1	12.5	12.2	13.0	15.1	15.6	18.0	19.0	20.6	20.7	22.1	23.1	23.5	22.3	20.1	19.8	18.1	16.5	13.9	12.1	10.6	16.9	23.5	10.6
26	10.9	10.1	9.9	10.0	10.3	9.9	9.9	9.8	9.6	10.3	10.7	11.9	12.9	14.1	15.0	15.4	16.3	15.5	15.2	14.7	14.2	13.4	13.3	12.6	12.3	16.3	9.6
27	12.3	11.4	11.4	11.3	11.2	11.6	12.4	14.9	17.3	19.3	20.5	22.1	23.1	23.7	23.9	25.1	24.6	24.6	23.1	21.3	20.2	19.1	19.3	18.9	18.4	25.1	11.2
28	18.0	19.7	19.6	19.0	18.5	18.1	17.7	18.4	19.3	21.1	23.2	24.6	26.0	26.7	27.2	26.6	26.8	26.2	25.1	23.6	22.6	21.9	21.9	21.7	22.2	27.2	17.7
29	20.8	20.4	20.5	19.2	18.8	19.6	19.3	20.7	22.2	23.8	25.0	26.3	27.3	28.3	29.3	29.4	29.6	28.9	27.9	25.7	24.6	24.4	23.6	23.7	24.1	29.6	18.8
30	23.9	23.6	22.7	22.3	21.9	21.7	21.9	23.6	25.3	27.1	29.0	30.6	30.5	31.5	31.8	32.8	32.1	31.5	30.0	28.2	27.6	25.6	25.1	24.0	26.8	32.8	21.7
Avg	17.4	16.9	16.5	16.0	15.5	15.2	15.2	17.3	19.0	20.6	21.9	22.9	23.8	24.5	24.8	24.9	24.7	24.0	22.9	21.5	20.4	19.3	18.6	18.1	20.1	--	--
Max	23.9	23.6	22.7	22.3	21.9	21.7	21.9	23.6	25.3	27.1	29.0	30.6	30.5	31.5	31.8	32.8	32.1	31.5	30.0	28.2	27.6	25.6	25.1	24.0	--	32.8	--
Min	10.9	10.1	9.9	10.0	9.7	9.9	9.2	9.8	9.6	10.3	10.7	11.9	12.9	14.1	15.0	15.4	16.3	15.5	15.2	14.7	14.2	13.3	12.1	10.6	--	--	9.2

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, Temp_2m_C"
Month: May 2015

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	23.7	22.9	22.7	22.0	21.1	21.3	21.8	25.0	27.2	28.6	29.5	30.7	32.4	33.4	33.0	32.7	32.7	31.9	30.6	29.1	28.3	28.0	26.6	24.7	27.5	33.4	21.1
2	23.6	23.5	22.5	21.5	20.9	20.4	21.3	23.1	24.9	25.8	26.7	28.3	29.2	30.6	30.8	31.4	30.5	30.5	29.5	28.3	27.0	26.8	25.8	24.4	26.1	31.4	20.4
3	23.5	22.3	21.5	20.5	19.9	20.4	20.2	23.2	24.6	25.6	27.5	28.8	29.4	29.8	29.8	30.0	29.4	29.1	28.2	26.6	25.6	25.0	22.3	21.0	25.2	30.0	19.9
4	17.9	17.8	17.4	16.6	17.4	16.0	16.4	17.4	19.4	19.5	18.8	20.2	22.1	23.3	23.8	23.6	19.2	15.0	17.3	16.0	16.2	16.0	15.8	16.1	18.3	23.8	15.0
5	15.8	15.4	14.7	14.8	14.7	15.2	14.8	16.3	17.4	18.5	19.6	19.0	19.5	20.3	21.8	22.6	23.0	23.1	22.4	21.3	20.3	19.2	19.0	18.7	18.6	23.1	14.7
6	18.2	18.0	18.1	17.7	16.9	16.4	17.4	19.0	20.6	21.3	21.9	22.7	24.0	25.7	25.7	26.6	26.0	25.9	24.9	23.4	21.8	20.7	20.0	18.6	21.3	26.6	16.4
7	17.8	16.8	15.2	14.7	14.0	13.2	14.1	17.0	17.4	19.6	21.1	22.0	23.4	23.8	24.1	24.8	25.0	24.1	22.1	21.3	20.1	19.7	19.0	17.8	19.5	25.0	13.2
8	16.3	15.4	14.7	14.0	13.3	13.2	12.8	15.0	15.2	16.5	17.0	17.3	17.2	18.2	19.0	18.1	17.5	16.5	16.3	15.7	15.1	14.7	14.5	14.0	15.7	19.0	12.8
9	12.7	12.2	12.1	11.6	10.6	10.1	10.4	11.9	13.0	14.3	15.2	16.9	17.2	18.6	19.3	19.4	19.1	18.8	18.2	17.3	16.6	16.1	16.1	15.2	15.1	19.4	10.1
10	14.2	13.6	13.3	13.4	13.0	12.9	14.1	17.2	18.9	19.5	20.7	22.0	23.3	24.0	24.5	24.7	25.1	24.5	23.8	22.5	20.9	20.0	19.1	18.5	19.3	25.1	12.9
11	18.3	18.7	18.4	18.6	19.1	19.4	20.2	22.8	24.4	25.7	27.2	28.3	29.4	29.1	29.9	30.1	30.3	29.9	29.1	26.9	25.4	25.5	24.0	23.1	24.7	30.3	18.3
12	22.6	20.8	20.4	19.9	18.5	18.7	19.0	22.1	23.6	24.4	24.9	24.9	25.3	25.5	26.3	26.0	25.6	25.3	24.1	23.0	22.4	21.7	21.1	20.3	22.8	26.3	18.5
13	19.2	18.5	18.3	17.7	17.0	16.7	17.2	19.0	20.9	22.6	24.1	25.7	27.1	27.6	28.3	28.4	27.5	27.3	26.2	25.0	24.2	23.5	22.5	21.7	22.8	28.4	16.7
14	21.3	20.8	20.1	19.3	19.9	19.8	19.6	20.8	22.2	22.8	24.1	25.3	26.1	27.0	26.9	26.9	25.7	23.8	21.9	20.5	19.6	19.0	18.3	17.3	22.0	27.0	17.3
15	16.8	16.0	15.0	14.6	14.1	13.8	14.1	14.4	14.6	15.0	17.2	19.0	19.3	17.3	17.7	18.1	15.8	12.0	13.3	12.7	12.6	13.2	13.2	12.2	15.1	19.3	12.0
16	9.6	9.4	9.6	9.8	10.0	10.2	10.1	10.6	11.3	12.4	12.8	13.5	15.7	16.4	17.1	17.3	18.0	17.9	17.4	16.1	14.5	14.5	14.5	14.2	13.5	18.0	9.4
17	14.1	14.7	14.9	15.6	15.4	15.3	15.7	17.6	19.2	20.7	21.8	22.8	23.8	24.5	25.0	24.9	25.1	24.9	24.1	22.2	20.8	20.8	20.0	19.2	20.1	25.1	14.1
18	18.2	18.3	17.5	17.0	17.7	17.7	18.9	20.7	22.6	24.3	26.2	26.7	26.5	25.2	25.7	26.6	26.7	25.2	24.6	23.7	22.4	20.9	19.2	19.0	22.1	26.7	17.0
19	17.1	16.7	16.0	15.5	14.4	14.3	15.2	18.3	19.3	20.8	22.5	23.0	23.8	24.5	25.7	25.3	25.1	24.5	23.8	22.7	21.9	21.6	20.0	19.0	20.5	25.7	14.3
20	18.0	17.8	17.7	17.1	18.1	18.4	19.1	20.6	23.4	25.7	26.7	27.7	27.8	29.1	29.5	29.2	28.1	27.1	26.4	24.8	23.4	22.4	21.1	20.3	23.3	29.5	17.1
21	19.4	19.4	19.1	18.2	17.9	17.8	18.8	20.1	21.4	24.1	25.2	25.9	26.5	27.6	26.8	27.4	27.9	26.8	24.6	22.7	21.4	20.1	19.3	18.4	22.4	27.9	17.8
22	17.8	17.3	16.5	15.6	15.4	15.5	16.1	17.6	19.9	22.2	23.5	24.2	24.3	24.3	25.0	24.2	22.4	21.7	20.0	17.7	17.7	16.8	16.2	16.1	19.5	25.0	15.4
23	15.2	14.5	14.1	13.5	13.2	13.0	14.1	16.2	17.3	18.5	19.6	20.8	21.5	21.8	22.2	22.3	22.4	22.4	21.5	20.5	19.9	19.0	18.0	17.3	18.3	22.4	13.0
24	16.8	16.4	16.0	15.3	15.3	14.6	15.9	18.2	19.5	20.3	22.0	23.1	23.1	23.2	23.1	23.9	24.4	23.9	23.0	21.8	21.0	20.4	19.2	18.6	20.0	24.4	14.6
25	17.9	17.5	16.9	17.0	16.4	16.2	17.4	20.7	21.7	22.5	23.5	24.3	25.5	26.0	26.4	27.2	27.0	26.7	26.1	24.9	23.8	22.6	21.7	21.4	22.1	27.2	16.2
26	20.4	20.1	19.5	19.1	18.7	17.7	19.4	21.7	23.8	25.3	26.8	28.1	29.0	29.5	29.8	30.0	29.4	28.7	28.1	26.9	25.9	24.2	23.1	22.5	24.5	30.0	17.7
27	21.7	21.2	20.9	20.5	20.0	19.9	21.3	22.3	23.5	25.3	26.4	28.6	30.5	30.0	30.5	30.7	30.2	29.5	28.8	27.5	25.6	24.4	23.7	23.1	25.2	30.7	19.9
28	22.3	21.8	21.3	20.8	21.2	20.2	21.4	23.7	26.1	28.6	29.4	30.7	31.1	31.8	32.4	32.3	32.1	31.4	30.4	28.9	27.9	26.8	24.7	24.5	26.7	32.4	20.2
29	24.7	22.9	22.4	22.2	21.5	21.0	23.4	26.2	28.4	29.2	29.8	31.0	32.3	32.9	33.6	33.8	34.1	33.2	32.3	30.6	29.2	28.4	26.1	25.4	28.1	34.1	21.0
30	24.9	24.4	23.8	23.5	22.4	22.6	24.0	26.8	28.6	31.1	32.8	34.0	34.2	35.3	35.3	35.5	35.5	34.9	33.8	32.2	31.2	30.7	28.3	27.7	29.7	35.5	22.4
31	26.9	26.2	26.1	25.1	26.0	26.1	26.2	28.6	29.7	32.0	33.5	34.5	35.3	35.9	36.4	36.4	36.2	35.6	34.8	33.4	32.4	30.2	29.5	28.9	31.1	36.4	25.1
Avg	18.9	18.4	18.0	17.5	17.2	17.0	17.8	19.8	21.3	22.7	23.8	24.8	25.7	26.2	26.6	26.8	26.4	25.5	24.8	23.4	22.4	21.7	20.7	20.0	22.0	--	--
Max	26.9	26.2	26.1	25.1	26.0	26.1	26.2	28.6	29.7	32.0	33.5	34.5	35.3	35.9	36.4	36.4	36.2	35.6	34.8	33.4	32.4	30.7	29.5	28.9	--	36.4	--
Min	9.6	9.4	9.6	9.8	10.0	10.1	10.1	10.6	11.3	12.4	12.8	13.5	15.7	16.4	17.1	17.3	15.8	12.0	13.3	12.7	12.6	13.2	13.2	12.2	--	--	9.4

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, Temp_2m_C"
Month: Jun 2015

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	27.3	26.5	25.7	26.0	24.4	24.6	25.5	28.8	30.1	31.9	32.2	33.3	34.3	34.4	34.7	34.8	35.1	34.5	33.6	31.9	30.2	28.8	27.2	26.9	30.1	35.1	24.4
2	26.0	26.1	25.2	24.7	24.2	24.0	25.0	28.0	29.5	30.6	31.7	33.1	33.5	34.2	34.3	34.4	34.2	33.7	32.9	31.2	29.1	27.4	26.8	25.5	29.4	34.4	24.0
3	24.8	24.8	23.8	23.4	22.7	22.6	23.9	26.9	28.5	29.5	31.1	32.7	33.1	33.9	33.8	33.6	33.9	33.5	32.2	30.3	28.4	26.4	25.6	24.6	28.5	33.9	22.6
4	24.0	23.6	23.8	23.4	23.1	23.0	24.5	26.7	29.3	30.8	32.0	32.5	32.7	32.7	31.6	29.3	28.7	28.6	26.6	24.2	22.4	22.9	23.1	23.6	26.8	32.7	22.4
5	23.6	23.2	23.0	22.4	20.9	20.3	18.6	19.2	20.3	22.1	23.4	23.9	25.5	26.5	28.2	28.0	26.5	26.7	26.5	25.5	24.3	23.5	22.8	23.2	23.7	28.2	18.6
6	23.0	23.3	23.7	22.5	22.7	22.8	23.2	24.2	26.2	26.1	25.7	27.8	28.9	29.8	29.9	30.4	30.4	30.1	29.6	28.4	26.7	25.8	24.5	24.9	26.3	30.4	22.5
7	24.5	23.6	23.2	22.6	22.5	23.4	24.2	27.2	28.3	30.3	30.5	31.5	31.9	32.3	32.4	32.8	33.0	32.8	32.1	30.8	29.7	28.5	27.6	26.2	28.4	33.0	22.5
8	25.9	25.5	25.2	25.2	24.9	25.0	26.8	28.2	29.4	30.8	33.6	34.8	35.7	35.0	34.9	35.0	35.0	34.9	34.0	32.6	31.6	31.6	31.1	30.7	30.7	35.7	24.9
9	29.5	28.5	27.5	24.7	26.0	25.8	24.8	24.4	25.4	26.4	27.1	26.4	27.0	28.3	29.7	29.9	28.7	25.4	26.7	25.8	25.6	25.7	25.5	24.9	26.6	29.9	24.4
10	24.0	23.4	23.1	22.6	22.4	22.2	23.0	23.4	24.3	25.5	26.3	27.3	28.5	29.7	29.9	30.0	30.1	30.1	29.5	28.3	27.1	26.4	25.4	24.9	26.1	30.1	22.2
11	23.9	23.4	23.2	23.2	23.3	22.6	23.9	24.9	26.1	27.7	28.8	29.3	30.5	31.4	31.4	31.8	31.9	31.8	31.0	29.9	29.0	28.3	26.4	25.6	27.5	31.9	22.6
12	25.3	25.1	24.5	23.7	23.2	22.2	23.8	26.1	27.8	28.9	31.0	32.5	33.6	34.2	34.9	34.6	34.7	34.4	33.4	32.0	30.9	29.8	28.1	27.2	29.2	34.9	22.2
13	26.1	26.6	25.0	24.4	23.7	23.4	24.7	27.5	28.9	30.1	31.7	32.9	33.9	34.4	35.3	35.2	35.4	34.6	34.0	32.8	31.7	31.3	29.6	29.2	30.1	35.4	23.4
14	28.1	27.1	26.4	25.3	24.9	24.1	25.2	27.9	29.5	30.6	32.9	33.7	34.4	35.3	36.2	36.5	36.6	36.0	35.3	34.3	33.1	31.6	31.3	30.5	31.1	36.6	24.1
15	29.6	28.9	28.1	27.3	27.3	26.5	27.6	29.4	30.6	33.0	34.3	35.7	36.9	38.5	38.4	38.9	38.3	38.1	37.4	35.9	34.2	32.6	32.2	31.3	33.0	38.9	26.5
16	31.5	29.8	29.3	29.6	29.2	29.4	29.5	32.0	34.0	35.7	36.9	37.3	38.9	39.8	39.1	39.4	39.0	38.4	37.4	35.9	34.5	33.4	32.2	32.4	34.4	39.8	29.2
17	31.6	30.9	30.4	30.1	29.7	29.5	30.0	31.7	33.9	35.8	36.6	38.3	38.6	39.1	39.4	39.5	39.4	39.0	38.2	36.5	35.3	35.0	34.9	33.6	34.9	39.5	29.5
18	31.4	30.7	29.6	29.4	29.3	28.2	29.9	33.5	35.3	36.2	37.2	38.4	39.3	39.4	39.9	39.8	39.7	39.4	38.5	36.9	35.1	33.6	32.6	31.3	34.8	39.9	28.2
19	30.4	30.1	29.5	29.5	29.0	28.0	29.4	33.4	35.1	36.0	36.9	38.0	38.7	39.4	39.7	39.5	39.4	38.6	37.6	36.1	33.8	33.0	31.3	29.9	34.3	39.7	28.0
20	29.1	28.5	28.2	27.7	26.9	26.7	29.3	32.2	34.0	35.3	36.7	37.7	37.8	38.2	39.2	38.8	38.7	38.3	37.6	35.9	34.0	32.3	31.5	30.6	33.5	39.2	26.7
21	30.0	29.0	28.9	28.1	27.3	27.5	28.3	29.1	29.8	30.8	32.2	34.0	34.8	35.8	36.8	37.2	37.1	36.7	35.8	34.6	33.3	32.9	32.6	31.2	32.2	37.2	27.3
22	30.3	29.5	28.4	28.2	27.2	26.2	27.3	29.0	30.5	32.3	33.8	35.1	36.8	36.9	37.5	37.8	37.7	37.3	36.5	34.9	33.2	31.5	30.7	30.1	32.4	37.8	26.2
23	29.9	29.6	28.5	28.0	27.5	27.6	28.3	30.9	32.6	34.2	35.4	36.3	37.1	37.4	37.8	38.2	38.2	37.9	37.0	35.6	34.6	34.1	33.6	32.4	33.5	38.2	27.5
24	32.2	31.2	30.5	30.3	30.1	31.1	31.2	31.1	32.2	34.1	34.9	36.1	37.1	38.1	38.8	39.0	33.9	33.0	32.7	34.4	33.4	32.8	31.5	31.5	33.4	39.0	30.1
25	31.0	30.6	29.9	29.5	29.3	28.8	29.4	30.9	32.3	33.3	35.1	36.3	37.4	38.0	38.4	38.4	38.2	38.0	37.3	36.0	35.3	34.4	33.7	32.4	33.9	38.4	28.8
26	31.2	30.4	29.6	28.9	28.0	27.7	27.9	29.8	30.4	31.3	32.6	33.7	35.1	36.2	36.8	36.8	36.3	36.1	35.5	34.8	34.0	33.5	33.2	32.2	32.6	36.8	27.7
27	31.0	30.3	29.6	29.3	28.9	28.0	28.3	29.5	31.3	32.8	34.8	36.8	36.9	37.7	38.3	38.4	35.9	32.4	27.3	26.7	27.8	28.9	27.9	27.8	31.5	38.4	26.7
28	27.2	27.9	26.8	26.9	27.0	26.9	27.7	29.9	32.4	34.2	34.8	36.4	37.0	37.5	37.2	37.0	30.8	33.8	34.7	32.6	31.4	30.3	30.2	29.6	31.7	37.5	26.8
29	28.4	28.4	28.0	27.6	27.1	28.1	28.2	29.9	30.6	31.9	33.3	35.2	35.7	36.2	36.9	36.5	36.3	36.3	35.9	34.9	32.9	32.2	31.0	30.6	32.2	36.9	27.1
30	30.1	28.7	28.4	28.3	28.6	28.2	28.8	29.4	30.3	31.0	31.8	34.1	35.7	36.6	36.2	35.7	35.0	34.3	32.8	31.8	31.9	31.2	30.7	30.0	31.7	36.6	28.2
Avg	28.0	27.5	26.9	26.4	26.0	25.8	26.6	28.5	30.0	31.3	32.5	33.7	34.6	35.2	35.6	35.6	34.9	34.5	33.6	32.4	31.1	30.3	29.5	28.8	30.8	--	--
Max	32.2	31.2	30.5	30.3	30.1	31.1	31.2	33.5	35.3	36.2	37.2	38.4	39.3	39.8	39.9	39.8	39.7	39.4	38.5	36.9	35.3	35.0	34.9	33.6	--	39.9	--
Min	23.0	23.2	23.0	22.4	20.9	20.3	18.6	19.2	20.3	22.1	23.4	23.9	25.5	26.5	28.2	28.0	26.5	25.4	26.5	24.2	22.4	22.9	22.8	23.2	--	--	18.6

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, SR_Wm2_2m"
Month: Apr 2015

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	13	220	453	675	835	933	961	906	733	593	439	209	21	0	0	0	0	0	291	961	0
2	0	0	0	0	0	0	33	199	368	590	762	720	951	813	666	558	419	199	19	0	0	0	0	0	262	951	0
3	0	0	0	0	0	0	16	244	503	720	874	971	973	903	809	639	416	194	18	0	0	0	0	0	303	973	0
4	0	0	0	0	0	0	25	238	463	633	799	839	915	866	591	515	296	128	21	0	0	0	0	0	264	915	0
5	0	0	0	0	0	0	14	264	505	714	869	934	939	775	744	631	375	157	29	0	0	0	0	0	290	939	0
6	0	0	0	0	0	0	17	276	516	726	880	977	1003	951	837	663	420	184	26	0	0	0	0	0	311	1003	0
7	0	0	0	0	0	0	23	279	520	734	894	991	940	914	725	534	395	171	29	0	0	0	0	0	298	991	0
8	0	0	0	0	0	0	28	273	509	720	876	968	992	943	838	669	454	212	31	0	0	0	0	0	313	992	0
9	0	0	0	0	0	0	41	243	479	720	883	982	1000	956	849	673	465	223	34	0	0	0	0	0	314	1000	0
10	0	0	0	0	0	0	34	289	523	731	888	982	998	949	845	680	469	162	46	0	0	0	0	0	316	998	0
11	0	0	0	0	0	0	36	281	508	765	905	984	811	761	671	402	253	232	36	0	0	0	0	0	277	984	0
12	0	0	0	0	0	0	22	99	295	445	726	910	717	571	487	281	234	223	37	0	0	0	0	0	210	910	0
13	0	0	0	0	0	0	43	297	529	728	876	963	984	938	828	663	454	226	38	0	0	0	0	0	315	984	0
14	0	0	0	0	0	0	46	297	530	729	873	956	967	875	838	676	452	194	44	0	0	0	0	0	312	967	0
15	0	0	0	0	0	0	49	297	530	729	878	963	991	943	844	678	466	241	42	0	0	0	0	0	319	991	0
16	0	0	0	0	0	0	54	325	566	772	924	1011	1030	981	869	698	480	247	45	0	0	0	0	0	333	1030	0
17	0	0	0	0	0	0	55	310	554	758	910	1000	1023	976	866	695	463	218	45	0	0	0	0	0	328	1023	0
18	0	0	0	0	0	0	58	322	553	754	903	991	1016	971	865	695	479	248	47	0	0	0	0	0	329	1016	0
19	0	0	0	0	0	0	61	323	552	751	897	984	1011	965	858	693	485	248	49	0	0	0	0	0	328	1011	0
20	0	0	0	0	0	0	63	327	556	751	898	984	1011	966	861	691	482	249	48	0	0	0	0	0	329	1011	0
21	0	0	0	0	0	1	38	279	545	748	898	989	1017	964	855	688	478	217	15	0	0	0	0	0	322	1017	0
22	0	0	0	0	0	1	70	329	559	763	906	989	1016	969	857	685	471	231	49	0	0	0	0	0	329	1016	0
23	0	0	0	0	0	1	70	330	557	754	858	966	1003	961	851	688	478	250	52	0	0	0	0	0	326	1003	0
24	0	0	0	0	0	1	65	87	134	354	635	354	790	569	204	472	357	234	60	0	0	0	0	0	180	790	0
25	0	0	0	0	0	1	83	288	282	730	822	911	703	780	647	479	151	27	8	0	0	0	0	0	246	911	0
26	1	0	0	0	0	1	14	44	105	230	175	332	301	484	347	229	393	85	21	0	0	0	0	0	115	484	0
27	0	0	0	0	0	1	84	356	586	783	925	1007	1020	642	655	443	418	290	69	0	0	0	0	0	303	1020	0
28	0	0	0	0	0	2	87	360	588	782	920	999	1016	967	882	392	505	234	52	0	0	0	0	0	324	1016	0
29	0	0	0	0	0	2	90	367	595	789	939	1022	1039	990	887	721	509	278	66	0	0	0	0	0	346	1039	0
30	0	0	0	0	0	1	94	369	599	794	936	1014	1022	948	855	691	491	261	46	0	0	0	0	0	338	1022	0
Avg	0	0	0	0	0	0	48	274	485	696	845	921	939	873	755	594	421	209	38	0	0	0	0	0	296	--	--
Max	1	0	0	0	0	2	94	369	599	794	939	1022	1039	990	887	721	509	290	69	0	0	0	0	0	--	1039	--
Min	0	0	0	0	0	0	13	44	105	230	175	332	301	484	204	229	151	27	8	0	0	0	0	0	--	--	0

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, SR_Wm2_2m"
Month: May 2015

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	1	96	364	590	783	928	1015	1030	981	874	708	502	221	59	0	0	0	0	0	340	1030	0
2	0	0	0	0	0	3	49	171	421	530	464	796	1015	968	862	698	493	271	73	0	0	0	0	0	284	1015	0
3	0	0	0	0	0	3	111	281	593	796	863	1019	1057	995	660	625	425	254	65	0	0	0	0	0	323	1057	0
4	0	0	0	0	0	3	111	145	392	327	204	784	1018	744	582	398	172	6	17	0	0	0	0	0	204	1018	0
5	0	0	0	0	0	2	44	261	347	581	436	227	409	422	730	509	447	297	77	0	0	0	0	0	200	730	0
6	0	0	0	0	0	4	85	285	486	610	585	679	1025	841	748	761	441	269	78	1	0	0	0	0	287	1025	0
7	0	0	0	0	0	5	116	384	397	677	756	852	792	844	688	558	471	198	81	1	0	0	0	0	284	852	0
8	0	0	0	0	0	5	117	409	608	653	655	747	546	823	570	517	309	126	49	0	0	0	0	0	256	823	0
9	0	0	0	0	0	4	126	389	616	783	856	1038	1057	1003	893	728	518	288	83	0	0	0	0	0	349	1057	0
10	0	0	0	0	0	5	125	383	611	807	944	1023	1039	989	886	724	516	291	84	0	0	0	0	0	351	1039	0
11	0	0	0	0	0	5	127	401	620	796	964	1030	1011	741	719	635	424	211	79	1	0	0	0	0	323	1030	0
12	0	0	0	0	0	5	131	387	536	663	573	444	346	452	375	294	263	166	46	1	0	0	0	0	195	663	0
13	0	0	0	0	0	5	134	393	617	800	899	929	1008	893	914	471	357	268	44	0	0	0	0	0	322	1008	0
14	0	0	0	0	0	5	107	324	473	527	842	1027	960	1022	809	613	404	169	49	0	0	0	0	0	305	1027	0
15	0	0	0	0	0	9	101	219	203	322	605	762	449	244	324	371	44	81	101	2	0	0	0	0	160	762	0
16	0	1	1	1	0	3	36	208	335	362	290	668	690	412	661	568	479	334	98	1	0	0	0	0	215	690	0
17	0	0	0	0	0	6	123	415	636	818	963	1040	1051	999	892	730	524	303	94	1	0	0	0	0	358	1051	0
18	0	0	0	0	0	7	147	402	619	808	966	745	654	477	587	509	390	67	43	2	0	0	0	0	268	966	0
19	0	0	0	0	0	7	152	406	631	823	963	1039	1058	1006	901	739	533	310	101	1	0	0	0	0	361	1058	0
20	0	0	0	0	0	8	132	361	636	796	965	965	770	961	741	592	330	172	78	2	0	0	0	0	313	965	0
21	0	0	0	0	0	10	74	131	318	553	707	934	969	991	572	661	497	264	100	2	0	0	0	0	283	991	0
22	0	0	0	0	0	11	90	203	450	728	835	1065	1088	1040	928	623	357	284	60	1	0	0	0	0	323	1088	0
23	0	0	0	0	0	7	100	272	497	688	783	997	1081	1027	890	715	487	279	104	3	0	0	0	0	330	1081	0
24	0	0	0	0	0	6	103	273	494	682	866	876	777	632	443	618	496	285	109	2	0	0	0	0	278	876	0
25	0	0	0	0	0	6	104	272	491	679	853	997	1060	1018	895	708	490	281	108	2	0	0	0	0	332	1060	0
26	0	0	0	0	0	6	105	275	493	679	854	999	1058	1009	864	588	350	171	97	2	0	0	0	0	315	1058	0
27	0	0	0	0	0	5	99	190	288	392	555	1012	1059	1030	915	728	368	161	49	7	0	0	0	0	286	1059	0
28	0	0	0	0	0	6	108	279	499	687	868	1015	1083	1042	920	733	511	293	113	2	0	0	0	0	340	1083	0
29	0	0	0	0	0	5	111	280	498	685	863	1010	1078	1037	921	734	511	298	118	2	0	0	0	0	340	1078	0
30	0	0	0	0	0	8	107	275	485	674	854	997	1064	1022	903	717	493	263	107	2	0	0	0	0	332	1064	0
31	0	0	0	0	0	6	102	271	483	667	843	992	1057	1014	895	711	496	287	113	3	0	0	0	0	331	1057	0
Avg	0	0	0	0	0	5	106	300	496	657	761	894	915	860	760	622	423	231	80	1	0	0	0	0	296	--	--
Max	0	1	1	1	0	11	152	415	636	823	966	1065	1088	1042	928	761	533	334	118	7	0	0	0	0	--	1088	--
Min	0	0	0	0	0	1	36	131	203	322	204	227	346	244	324	294	44	6	17	0	0	0	0	0	--	--	0

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, SR_Wm2_2m"
Month: Jun 2015

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	6	109	278	500	697	882	1033	1098	1058	929	741	516	301	118	1	0	0	0	0	344	1098	0
2	0	0	0	0	0	5	114	282	477	687	863	1009	1071	1032	917	741	516	300	121	3	0	0	0	0	339	1071	0
3	0	0	0	0	0	6	112	273	505	704	886	1029	1096	1052	930	747	526	311	125	3	0	0	0	0	346	1096	0
4	0	0	0	0	0	5	113	275	511	719	715	653	506	261	197	118	146	53	8	0	0	0	0	0	178	719	0
5	0	0	0	0	0	1	18	88	158	311	533	370	323	511	690	322	523	302	114	2	0	0	0	0	178	690	0
6	0	0	0	0	0	20	37	278	289	303	572	998	981	1004	901	746	538	317	125	4	0	0	0	0	296	1004	0
7	0	0	0	0	0	7	169	404	601	785	936	1032	1055	1006	905	749	544	323	127	4	0	0	0	0	360	1055	0
8	0	0	0	0	0	12	71	205	400	312	893	536	653	613	405	403	324	145	47	6	0	0	0	0	209	893	0
9	0	0	0	0	0	14	47	105	159	227	299	156	429	533	436	103	93	121	59	6	0	0	0	0	116	533	0
10	0	0	0	0	0	12	81	148	379	526	507	826	881	989	847	573	462	334	146	5	0	0	0	0	280	989	0
11	0	0	0	0	0	20	141	333	495	734	868	974	1053	996	904	748	549	331	127	5	0	0	0	0	345	1053	0
12	0	0	0	0	0	9	162	391	593	779	929	1024	1048	999	902	752	554	333	132	4	0	0	0	0	359	1048	0
13	0	0	0	0	0	8	165	394	594	780	924	1025	1052	1007	905	751	553	333	130	5	0	0	0	0	359	1052	0
14	0	0	0	0	0	8	162	388	588	771	920	1013	1036	990	896	742	547	334	105	11	0	0	0	0	355	1036	0
15	0	0	0	0	0	9	159	383	581	764	913	1004	1029	987	892	735	544	334	134	6	0	0	0	0	353	1029	0
16	0	0	0	0	0	6	156	388	588	765	913	1000	1024	989	896	746	555	337	137	6	0	0	0	0	354	1024	0
17	0	0	0	0	0	8	161	389	587	768	914	1006	1038	992	904	753	557	339	129	5	0	0	0	0	356	1038	0
18	0	0	0	0	0	8	159	389	586	770	919	1016	1043	1002	909	752	559	340	134	3	0	0	0	0	358	1043	0
19	0	0	0	0	0	8	159	391	590	764	920	1012	1036	997	900	749	566	255	124	9	0	0	0	0	353	1036	0
20	0	0	0	0	0	7	170	424	638	821	957	1041	1067	1022	921	767	567	346	139	5	0	0	0	0	370	1067	0
21	0	0	0	0	0	10	155	391	603	787	918	996	1020	976	881	730	535	323	129	8	0	0	0	0	353	1020	0
22	0	0	0	0	0	10	147	374	586	769	905	986	1012	975	889	742	546	334	130	6	0	0	0	0	350	1012	0
23	0	0	0	0	0	12	145	372	580	766	902	992	834	977	834	729	532	320	126	8	0	0	0	0	339	992	0
24	0	0	0	0	0	9	124	181	420	731	392	780	926	934	872	709	282	268	158	21	0	0	0	0	284	934	0
25	0	0	0	0	0	9	141	363	577	757	889	964	991	962	878	730	539	353	152	14	0	0	0	0	347	991	0
26	0	0	0	0	0	12	136	362	568	752	893	973	995	954	867	707	414	256	110	6	0	0	0	0	334	995	0
27	0	0	0	0	0	6	57	314	566	726	899	969	845	950	915	774	460	228	5	0	0	0	0	0	321	969	0
28	0	0	0	0	0	9	144	381	589	773	681	953	910	886	302	286	162	155	119	12	0	0	0	0	265	953	0
29	0	0	0	0	0	7	141	374	587	768	901	982	705	764	753	264	258	195	76	6	0	0	0	0	283	982	0
30	0	0	0	0	0	15	152	365	583	770	891	970	993	956	731	509	376	87	8	5	0	0	0	0	309	993	0
Avg	0	0	0	0	0	9	127	323	516	686	818	911	925	912	803	631	461	277	110	6	0	0	0	0	313	--	--
Max	0	0	0	0	0	20	170	424	638	821	957	1041	1098	1058	930	774	567	353	158	21	0	0	0	0	--	1098	--
Min	0	0	0	0	0	1	18	88	158	227	299	156	323	261	197	103	93	53	5	0	0	0	0	0	--	--	0

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, RH_Percent"
Month: Apr 2015

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	37	37	32	30	28	25	23	20	20	17	16	15	14	13	14	15	17	18	20	24	37	13
2	21	20	19	21	22	20	18	15	13	12	11	11	10	11	13	14	15	16	18	17	19	19	21	20	17	22	10
3	18	18	19	17	19	18	17	12	10	10	10	10	9	8	8	7	6	7	9	10	11	12	12	13	12	19	6
4	14	15	15	14	15	15	15	14	12	11	11	9	8	8	7	7	7	8	11	11	13	14	14	14	12	15	7
5	14	14	16	17	18	20	20	18	15	13	13	11	8	7	7	8	7	6	4	5	5	6	7	7	11	20	4
6	9	9	10	10	9	9	11	9	9	10	11	12	10	6	6	7	7	9	11	11	11	11	11	12	10	12	6
7	12	12	13	15	13	13	14	13	12	10	8	7	6	8	8	7	7	7	9	11	14	15	16	17	11	17	6
8	16	16	18	19	20	22	25	22	21	22	24	23	22	20	19	18	18	19	21	24	25	20	20	23	21	25	16
9	20	20	18	17	17	19	20	19	15	13	13	12	11	8	8	8	8	8	9	9	11	12	14	15	14	20	8
10	16	16	16	15	17	17	17	13	12	11	10	11	10	10	9	8	7	7	9	9	10	12	12	14	12	17	7
11	14	15	16	16	18	18	18	15	14	13	11	11	9	10	10	11	10	9	9	9	11	13	13	14	13	18	9
12	17	18	16	16	17	19	19	24	33	43	39	30	23	18	17	20	23	23	26	29	31	33	37	39	25	43	16
13	43	48	51	54	57	61	63	53	49	44	38	33	29	25	23	22	20	20	23	25	26	27	27	28	37	63	20
14	29	30	31	30	30	29	27	25	24	23	20	20	18	17	14	14	14	15	16	18	15	15	17	16	21	31	14
15	17	17	19	24	26	27	28	24	22	20	19	16	10	9	7	7	5	5	6	7	8	8	9	10	15	28	5
16	11	10	10	11	13	13	14	12	10	9	9	9	8	8	8	8	8	9	10	12	12	13	14	14	11	14	8
17	14	14	15	15	15	18	17	16	15	17	15	12	11	10	13	12	10	11	13	15	16	17	17	17	14	18	10
18	17	18	20	20	21	20	20	16	14	13	13	11	10	10	9	9	9	9	10	11	13	13	14	13	14	21	9
19	14	15	16	16	19	19	19	16	14	13	11	10	9	9	8	8	7	8	9	10	11	12	11	15	12	19	7
20	16	17	16	14	16	18	19	14	13	11	10	9	9	8	8	8	7	8	9	10	10	10	13	14	12	19	7
21	17	20	19	17	16	16	16	15	12	11	10	9	9	10	9	8	8	7	8	11	12	12	16	19	13	20	7
22	21	22	20	20	23	24	23	19	17	15	14	13	10	8	9	10	11	12	13	13	14	16	19	23	16	24	8
23	27	30	31	34	35	36	33	27	25	24	22	19	19	20	20	18	17	19	23	25	26	28	32	36	26	36	17
24	41	46	50	52	55	56	58	60	62	59	54	65	56	48	52	45	42	38	39	42	45	49	50	48	51	65	38
25	46	48	48	52	55	55	53	48	48	41	41	36	34	30	27	24	24	32	33	37	50	69	81	93	46	93	24
26	87	83	90	85	86	89	88	90	94	88	84	78	76	66	58	54	49	52	50	53	53	60	61	65	73	94	49
27	64	69	67	65	66	62	59	47	39	34	34	31	30	28	27	26	25	26	30	37	40	43	41	42	43	69	25
28	45	37	36	37	37	36	36	33	31	29	27	25	23	22	21	21	18	17	19	24	27	30	29	28	29	45	17
29	30	32	28	32	31	25	25	22	19	18	16	14	13	10	8	7	7	7	7	10	11	11	12	11	17	32	7
30	11	11	12	12	12	13	13	12	11	11	9	8	10	9	9	8	8	9	10	12	11	14	15	17	11	17	8
Avg	25	26	26	27	28	28	28	25	24	23	21	20	18	16	15	15	14	14	16	18	19	21	22	24	21	--	--
Max	87	83	90	85	86	89	88	90	94	88	84	78	76	66	58	54	49	52	50	53	53	69	81	93	--	94	--
Min	9	9	10	10	9	9	11	9	9	9	8	7	6	6	6	7	5	5	4	5	5	6	7	7	--	--	4

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, RH_Percent"
Month: May 2015

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	18	18	19	20	19	20	16	14	12	11	10	8	7	7	7	6	7	7	9	9	9	11	13	12	20	6
2	15	16	17	19	22	25	25	23	18	16	15	14	12	12	11	11	11	11	12	14	17	17	19	23	16	25	11
3	26	30	32	35	36	37	38	31	27	24	19	18	18	17	18	16	16	15	16	19	22	25	41	49	26	49	15
4	67	61	68	76	60	74	72	65	56	52	60	54	43	41	40	39	57	74	60	75	75	75	73	67	62	76	39
5	70	73	82	81	83	72	77	70	61	55	51	54	51	49	43	40	36	36	37	41	44	50	49	50	56	83	36
6	53	54	54	56	59	56	50	45	32	33	36	36	30	21	16	15	16	15	18	20	23	25	28	34	34	59	15
7	40	46	56	58	62	67	63	46	45	42	37	34	30	29	29	26	24	28	33	34	35	30	37	45	41	67	24
8	50	49	48	43	45	47	51	40	43	44	43	42	43	38	31	35	37	38	32	30	27	29	33	36	40	51	27
9	44	49	51	52	57	59	58	48	43	38	32	29	27	23	21	21	21	21	22	25	28	29	30	34	36	59	21
10	36	39	40	40	42	43	38	30	26	25	23	22	20	19	18	18	17	17	18	21	25	27	29	30	28	43	17
11	31	28	28	27	27	26	26	21	20	17	12	9	9	10	10	10	9	9	10	13	14	13	15	16	17	31	9
12	16	19	18	18	21	22	24	18	15	15	15	16	15	15	13	12	13	13	15	18	22	25	27	29	18	29	12
13	32	32	34	37	41	43	41	36	33	29	25	22	20	20	19	18	19	21	26	26	28	29	33	35	29	43	18
14	35	36	38	40	37	45	44	39	34	32	27	24	23	19	19	16	16	18	25	26	24	28	25	25	29	45	16
15	27	30	39	42	45	49	50	52	50	50	41	35	32	47	44	42	58	93	81	88	89	85	82	90	56	93	27
16	98	87	86	89	91	93	93	89	78	74	72	66	58	55	51	46	45	43	43	54	63	58	56	57	69	98	43
17	57	52	48	43	45	46	45	38	32	26	21	18	18	17	17	17	16	17	18	27	30	28	32	35	31	57	16
18	39	35	39	39	35	35	33	29	26	24	18	18	20	21	18	18	16	18	18	18	17	17	19	20	25	39	16
19	28	28	27	33	38	39	38	25	27	24	20	22	19	17	16	16	16	17	16	19	20	21	26	29	24	39	16
20	33	33	33	35	29	27	27	26	21	16	14	11	12	11	11	11	11	12	13	17	19	22	25	27	21	35	11
21	30	28	31	33	33	35	33	30	27	22	20	18	16	13	15	14	12	13	16	20	16	12	11	13	21	35	11
22	17	21	23	26	29	30	30	26	21	17	16	14	15	18	18	21	28	31	38	48	44	49	50	38	28	50	14
23	41	43	45	48	46	46	42	35	32	29	28	26	23	22	20	20	20	22	23	26	27	30	33	34	32	48	20
24	36	37	39	41	41	44	40	32	31	30	26	25	25	24	22	19	16	21	22	23	25	27	31	32	29	44	16
25	34	35	37	37	38	39	36	27	28	27	26	24	23	22	21	20	20	20	21	23	26	29	32	32	28	39	20
26	34	35	37	36	36	40	36	29	26	24	22	20	18	17	15	15	16	16	16	18	20	23	25	26	25	40	15
27	27	28	28	29	31	32	28	27	25	23	21	18	13	14	12	10	10	11	12	13	16	17	18	19	20	32	10
28	20	22	22	23	21	24	22	18	17	14	13	12	11	9	9	8	8	8	8	10	11	13	15	17	15	24	8
29	16	18	20	20	21	21	18	16	13	13	13	11	10	8	7	6	6	6	7	8	9	10	12	12	13	21	6
30	13	13	14	15	17	17	15	13	12	11	11	10	10	9	8	8	8	8	8	10	10	10	13	14	12	17	8
31	14	15	15	15	14	14	15	12	13	15	13	12	10	10	10	10	10	10	10	12	13	15	15	14	13	15	10
Avg	35	36	38	39	39	41	40	34	31	28	26	24	22	21	20	19	20	22	23	26	27	28	30	32	29	--	--
Max	98	87	86	89	91	93	93	89	78	74	72	66	58	55	51	46	58	93	81	88	89	85	82	90	--	98	--
Min	13	13	14	15	14	14	15	12	12	11	11	9	8	7	7	6	6	6	7	8	9	9	11	12	--	--	6

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, RH_Percent"
Month: Jun 2015

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	17	16	14	15	14	13	10	10	9	8	7	7	6	7	7	7	8	8	9	10	11	12	13	11	17	6
2	14	13	17	18	20	21	20	17	14	13	13	11	11	10	10	9	9	10	10	10	12	13	12	13	13	21	9
3	12	11	12	12	12	12	13	11	11	10	9	8	7	7	7	7	7	7	8	9	9	10	10	11	10	13	7
4	10	10	9	9	9	11	12	10	9	7	7	8	8	9	10	14	12	9	21	37	46	44	41	39	17	46	7
5	38	39	41	47	57	61	77	78	71	57	54	54	46	42	35	34	42	44	50	52	56	57	58	54	52	78	34
6	52	48	44	50	49	50	49	45	37	37	39	33	31	27	26	23	19	18	17	18	22	22	24	20	33	52	17
7	19	22	23	22	22	20	18	16	19	20	20	18	18	19	18	17	16	15	15	17	18	17	19	22	19	23	15
8	21	21	21	21	21	22	21	20	20	17	13	12	11	13	14	14	13	13	14	16	17	17	17	16	17	22	11
9	22	29	36	52	42	47	54	59	55	51	51	55	53	48	43	43	49	70	61	67	67	65	60	62	52	70	22
10	65	68	70	72	73	75	70	69	64	60	58	55	50	45	44	41	39	39	38	42	47	50	52	54	56	75	38
11	57	60	61	61	59	62	54	47	43	39	34	30	25	22	21	19	19	17	18	21	24	23	27	27	36	62	17
12	27	27	27	28	29	31	28	20	17	16	16	14	13	13	13	13	12	12	12	14	16	17	19	21	19	31	12
13	22	21	24	24	26	27	23	16	15	16	14	14	13	13	12	12	12	14	16	18	19	20	22	23	18	27	12
14	25	27	28	30	30	31	28	21	20	19	18	17	16	16	14	14	14	14	14	15	17	18	19	19	20	31	14
15	21	22	23	24	25	27	24	22	20	17	16	15	14	12	12	11	11	9	10	11	13	16	17	17	17	27	9
16	15	17	18	16	19	22	22	20	18	16	15	15	13	11	12	10	9	9	10	11	12	14	15	15	15	22	9
17	19	21	22	23	24	25	23	21	18	17	15	12	9	9	7	6	7	7	8	10	12	12	12	13	15	25	6
18	16	16	17	18	18	19	17	14	12	12	11	10	8	8	7	8	7	7	8	9	11	12	13	14	12	19	7
19	15	16	15	13	14	15	13	10	9	9	9	8	8	8	8	7	7	7	7	7	8	7	8	9	10	16	7
20	9	8	7	7	7	7	5	5	4	4	4	5	5	4	4	4	4	4	5	6	6	7	9	10	6	10	4
21	10	12	23	29	35	32	26	24	28	26	25	22	21	19	18	16	15	16	18	20	21	20	18	21	21	35	10
22	23	23	25	28	31	34	32	29	28	25	21	20	17	16	11	9	8	7	9	9	10	13	15	16	19	34	7
23	17	18	21	22	24	26	25	21	19	17	16	15	13	14	13	11	11	11	11	12	13	14	14	15	16	26	11
24	15	16	15	15	16	19	26	31	31	28	27	24	20	16	12	11	22	23	23	17	19	21	26	25	21	31	11
25	25	24	25	26	27	28	27	25	27	27	23	21	19	18	18	17	17	17	17	18	19	20	19	23	22	28	17
26	30	34	36	38	40	42	41	37	37	34	30	27	25	22	21	22	22	22	23	24	25	26	26	28	30	42	21
27	34	39	44	44	43	46	44	39	34	31	28	25	25	23	22	21	24	33	46	41	37	33	39	39	35	46	21
28	40	37	41	39	38	39	37	32	28	27	25	22	21	20	20	23	45	30	26	35	37	40	40	40	33	45	20
29	44	43	44	44	44	39	38	35	36	32	30	27	25	23	22	22	23	24	23	25	31	34	37	37	33	44	22
30	37	41	41	41	41	44	43	40	40	39	37	32	27	26	27	28	29	30	37	39	38	39	40	40	36	44	26
Avg	26	27	28	30	30	31	31	28	26	24	23	21	19	18	17	16	18	18	19	21	23	24	25	25	24	--	--
Max	65	68	70	72	73	75	77	78	71	60	58	55	53	48	44	43	49	70	61	67	67	65	60	62	--	78	--
Min	9	8	7	7	7	7	5	5	4	4	4	5	5	4	4	4	4	4	5	6	6	7	8	9	--	--	4

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, Precip_Inches"
Month: Apr 2015

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	0.012	0	0	0	0	0	0	0	0	0	0.012	0.012	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.004	0.048	0.153	0.248	0.453	0.248	0
26	0.043	0	0.004	0.004	0.051	0.004	0	0.044	0.099	0	0	0	0.004	0	0	0	0	0	0	0	0	0	0	0	0.253	0.099	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	0.043	0	0.004	0.004	0.051	0.004	0	0.044	0.099	0	0	0	0.004	0	0.012	0	0	0	0	0	0.004	0.048	0.153	0.248	0.718	--	--
Max	0.043	0	0.004	0.004	0.051	0.004	0	0.044	0.099	0	0	0	0.004	0	0.012	0	0	0	0	0	0.004	0.048	0.153	0.248	--	0.248	--
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: May 2015

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	0.02	0	0.02	0.02	0
4	0.064	0.02	0	0.059	0	0	0	0	0	0	0.04	0	0	0	0	0	0.319	0.107	0.004	0	0	0	0	0	0.613	0.319	0
5	0	0.008	0	0	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
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	0.008	0	0	0.04	0.079	0	0	0	0.024	0.02	0.233	0.404	0.233	0
16	0.232	0.087	0	0	0	0	0.044	0	0	0	0	0	0	0.004	0	0	0	0	0	0	0	0	0	0	0.367	0.232	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	0.296	0.115	0	0.059	0	0	0.044	0	0	0	0.04	0	0	0.012	0	0	0.359	0.186	0.004	0	0	0.024	0.04	0.233	1.41	--	--
Max	0.232	0.087	0	0.059	0	0	0.044	0	0	0	0.04	0	0	0.008	0	0	0.319	0.107	0.004	0	0	0.024	0.02	0.233	--	0.319	--
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: Jun 2015

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	0.004	0	0	0	0.004	0.004	0
5	0	0	0	0.008	0.008	0.036	0.064	0.012	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.136	0.064	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	0.004	0.004	0	0	0	0	0	0	0.008	0.004	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	0.004	0	0	0	0	0.004	0.004	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.016	0	0	0	0	0	0	0	0.016	0.016	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	0.004	0	0	0	0	0	0.004	0.004	0
Total	0	0	0	0.008	0.008	0.036	0.064	0.012	0.008	0	0	0	0	0	0	0	0.02	0.004	0.004	0.004	0.004	0	0	0	0.172	--	--
Max	0	0	0	0.008	0.008	0.036	0.064	0.012	0.008	0	0	0	0	0	0	0	0.016	0.004	0.004	0.004	0.004	0	0	0	--	0.064	--
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, BP_mmHg"
Month: Apr 2015

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	681	681	681	681	681	681	681	682	682	682	682	681	681	680	680	680	679	679	679	679	680	680	680	680	681	682	679
2	680	681	681	681	681	681	681	681	682	682	682	682	682	681	681	681	681	681	681	681	682	682	682	683	681	683	680
3	683	683	683	683	683	684	684	685	685	685	685	685	684	684	683	683	683	683	683	683	683	683	683	683	684	685	683
4	683	683	682	682	682	682	682	683	683	683	683	682	682	681	681	680	680	680	680	680	680	680	680	680	681	683	680
5	680	680	680	680	680	680	680	681	681	681	681	680	680	679	679	678	678	678	678	678	678	679	679	679	679	681	678
6	679	679	679	679	679	680	680	681	681	681	681	681	681	681	680	680	680	679	679	680	680	680	680	680	680	681	679
7	681	681	681	681	681	681	682	682	682	683	683	682	682	682	681	680	680	680	680	680	680	680	680	681	681	683	680
8	681	680	680	680	680	681	681	681	682	682	682	682	682	681	681	680	680	680	680	680	681	681	681	681	681	682	680
9	681	681	681	681	681	681	682	682	682	682	682	682	681	681	681	680	680	680	680	680	681	681	681	681	681	682	680
10	681	681	681	681	681	681	682	682	683	683	683	682	682	682	681	681	680	680	680	681	681	681	681	681	681	683	680
11	681	681	681	681	681	681	681	682	682	682	682	682	681	680	680	679	679	679	679	679	679	679	680	680	680	682	679
12	680	680	680	680	680	680	681	681	682	682	682	681	681	681	680	680	680	680	681	681	682	682	682	683	681	683	680
13	683	683	683	683	683	683	684	684	685	685	685	684	684	684	683	683	683	683	683	683	684	684	684	685	684	685	683
14	685	684	684	684	684	684	684	685	685	685	685	684	683	683	682	681	681	680	680	680	680	680	680	680	683	685	680
15	680	680	680	680	680	680	680	681	681	681	681	680	680	680	679	679	679	678	678	679	679	680	680	680	680	681	678
16	680	680	680	680	680	680	681	681	682	682	682	682	682	682	682	682	682	682	682	683	683	684	684	684	682	684	680
17	684	683	683	683	683	683	683	684	684	684	684	683	683	683	682	682	682	682	682	682	683	683	683	683	683	684	682
18	683	682	682	682	682	682	683	683	683	683	683	682	682	682	681	681	680	680	680	680	681	681	681	681	682	683	680
19	681	681	681	681	681	681	682	682	682	682	682	682	681	681	680	679	679	679	679	679	680	680	680	680	681	682	679
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21	680	680	680	680	680	680	680	681	681	681	681	680	680	679	678	678	678	678	677	678	678	679	679	680	679	681	677
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25	681	681	681	681	681	681	681	681	681	681	681	681	680	680	679	678	677	677	677	677	678	678	678	678	680	681	677
26	678	678	677	677	677	678	678	678	679	679	679	679	679	679	679	679	679	679	679	679	679	680	680	680	679	680	677
27	680	680	680	680	680	680	681	681	681	681	681	681	681	681	680	680	680	680	681	681	682	682	682	682	681	682	680
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30	680	680	680	680	681	681	681	682	682	682	682	681	681	681	680	679	679	679	679	680	680	680	680	680	680	682	679
Avg	681	681	681	681	681	681	682	682	682	682	682	682	681	681	680	680	680	680	680	680	680	681	681	681	681	--	--
Max	685	684	684	684	684	684	684	685	685	685	685	685	684	684	683	683	683	683	683	683	684	684	684	685	--	685	--
Min	678	678	677	677	677	678	678	678	679	679	679	679	679	678	678	678	677	677	677	677	678	678	678	678	--	--	677

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, BP_mmHg"
Month: May 2015

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	680	680	680	680	681	681	681	682	682	682	682	682	681	681	680	680	679	679	679	680	680	680	680	680	681	682	679
2	681	680	680	680	680	681	681	681	682	682	681	681	680	680	679	679	678	678	678	678	679	680	680	680	680	682	678
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6	680	680	680	680	680	680	680	680	680	680	679	679	679	678	678	677	677	677	676	677	678	678	679	679	679	680	676
7	679	679	678	678	679	679	679	680	680	680	680	679	679	679	678	678	677	677	677	678	678	679	679	679	679	680	677
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13	682	682	682	682	682	682	683	683	683	683	683	682	682	681	681	680	680	679	679	679	679	680	680	680	681	683	679
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15	680	680	680	680	680	680	680	680	680	680	680	680	679	679	679	678	678	679	678	678	678	678	678	678	679	680	678
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19	682	682	682	682	682	682	682	683	683	683	683	683	682	682	682	682	681	681	681	681	681	681	682	682	682	683	681
20	681	681	681	681	681	681	682	682	682	682	682	682	681	681	680	680	680	680	680	680	680	681	681	681	681	682	680
21	681	681	681	680	680	680	680	681	681	680	680	680	680	679	679	678	678	678	679	679	680	681	681	681	680	681	678
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23	682	682	682	682	682	682	683	683	683	683	683	683	683	683	682	682	681	681	681	681	681	682	682	682	682	683	681
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27	682	682	682	682	682	682	682	682	683	683	683	682	682	682	681	681	681	681	680	681	681	681	682	682	682	683	680
28	682	682	682	682	682	682	682	683	683	683	683	683	682	682	682	681	681	681	681	681	681	682	682	682	682	683	681
29	682	682	682	681	682	682	682	683	683	683	683	683	683	682	682	681	681	681	681	681	681	681	682	682	682	683	681
30	682	682	682	682	682	682	683	683	683	683	683	683	683	682	682	681	681	681	681	681	681	681	681	681	682	683	681
31	681	681	681	681	682	682	682	683	683	683	682	682	682	682	681	681	680	680	680	680	680	681	681	682	681	683	680
Avg	681	681	681	681	681	681	681	682	682	682	682	682	681	681	680	680	680	680	680	680	680	681	681	681	681	--	--
Max	683	683	682	682	682	682	683	683	684	684	684	684	683	683	683	683	682	682	683	683	683	683	683	683	--	684	--
Min	679	679	678	678	679	679	679	680	680	680	679	679	679	678	678	677	677	677	676	677	678	678	678	678	--	--	676

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, BP_mmHg"
Month: Jun 2015

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	683	683	683	683	683	683	683	682	682	682	681	681	681	681	681	682	682	682	682	683	681
2	682	682	682	682	682	682	683	683	683	683	683	682	682	681	681	680	680	680	680	680	680	680	680	681	681	683	680
3	681	680	680	680	680	681	681	681	681	681	681	680	680	680	679	679	678	678	678	678	679	679	679	679	680	681	678
4	679	679	679	679	679	679	680	680	680	680	680	680	680	680	680	680	680	680	681	681	681	681	681	680	680	681	679
5	680	680	680	680	680	680	681	681	681	681	681	681	681	681	680	679	679	679	679	679	679	679	680	680	680	681	679
6	680	680	680	680	680	680	680	681	681	681	681	681	681	680	680	680	679	679	679	679	680	680	680	680	680	681	679
7	680	680	680	680	680	681	681	681	681	682	682	681	681	681	681	681	680	680	681	681	681	681	681	681	681	682	680
8	681	681	681	681	681	682	682	682	682	682	682	682	681	681	681	680	680	680	680	680	680	681	681	682	681	682	680
9	682	682	682	682	682	682	682	682	682	682	682	682	681	681	680	679	679	679	680	680	680	681	681	681	681	682	679
10	681	680	680	680	680	680	681	681	681	681	681	681	680	680	679	679	679	679	679	679	679	679	679	679	680	681	679
11	679	679	679	679	679	679	680	680	680	680	680	680	679	679	679	678	678	678	678	678	678	678	678	678	679	680	678
12	678	678	678	678	678	679	679	679	680	680	679	679	678	678	678	677	677	677	677	677	678	678	678	678	678	680	677
13	678	678	678	678	678	678	679	679	679	679	679	678	678	677	677	677	676	676	677	677	677	677	677	677	678	679	676
14	677	678	678	678	678	679	679	679	679	679	679	679	679	678	678	677	677	677	677	677	678	678	679	679	678	679	677
15	679	679	679	679	679	680	680	680	681	681	680	680	680	680	679	679	679	679	679	679	679	680	680	681	680	681	679
16	681	681	681	681	681	682	682	682	682	682	682	682	682	681	681	680	680	680	680	680	681	681	681	681	681	682	680
17	681	681	681	681	681	681	682	682	682	682	682	682	682	681	681	680	680	680	680	680	680	681	681	681	681	682	680
18	681	681	681	681	681	681	682	682	682	682	682	682	682	681	681	681	680	680	680	680	680	681	681	681	681	682	680
19	681	680	680	680	680	681	681	682	682	682	682	681	681	681	680	680	679	679	679	679	679	680	680	680	680	682	679
20	680	680	680	680	680	681	681	681	682	682	682	682	681	681	681	680	680	680	680	679	680	680	680	680	680	682	679
21	680	681	681	682	682	683	683	683	684	684	683	683	683	682	682	681	681	681	681	681	681	681	681	682	682	684	680
22	682	682	682	682	683	683	684	684	684	684	683	683	683	682	682	681	681	680	681	681	681	682	682	682	682	684	680
23	682	682	682	682	683	683	683	683	683	683	683	682	682	681	681	680	680	679	679	680	680	680	680	681	681	683	679
24	681	680	680	681	681	681	682	682	682	682	683	683	682	681	681	681	681	681	681	681	681	681	682	682	681	683	680
25	682	682	682	682	682	683	683	683	684	683	683	683	682	682	681	681	680	680	680	680	681	682	682	682	682	684	680
26	682	682	682	682	683	683	684	684	684	684	684	683	683	682	682	681	681	681	681	681	682	682	682	683	682	684	681
27	683	684	684	684	684	684	684	685	685	684	684	684	683	682	682	681	681	682	684	684	683	683	683	683	683	685	681
28	683	683	683	683	683	683	684	684	684	684	684	683	683	682	681	681	681	681	681	682	682	682	683	683	683	684	681
29	683	682	682	682	682	682	683	683	683	683	683	683	683	682	681	681	680	680	681	681	681	682	682	682	682	683	680
30	682	682	682	682	682	683	683	684	684	683	683	683	682	681	681	680	680	680	680	680	680	681	681	682	682	684	680
Avg	681	681	681	681	681	681	682	682	682	682	682	682	681	681	680	680	680	679	680	680	680	680	681	681	681	--	--
Max	683	684	684	684	684	684	684	685	685	684	684	684	683	682	682	682	681	682	684	684	683	683	683	683	--	685	--
Min	677	678	678	678	678	678	679	679	679	679	679	678	678	677	677	677	676	676	677	677	677	677	677	677	--	--	676

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WS_ms_20m"
Month: Apr 2015

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	0.9	1.2	1.4	1.9	1.7	1.6	1.8	1.6	2.5	3.3	3.8	4.0	4.8	4.9	5.1	5.8	5.4	5.0	3.6	1.0	2.4	2.6	1.7	1.9	2.9	5.8	0.9
2	1.5	0.9	1.4	1.2	1.6	1.8	1.5	1.0	0.6	1.9	3.6	4.0	4.5	4.7	4.3	4.6	4.6	3.6	3.0	1.3	1.2	1.7	2.2	1.9	2.4	4.7	0.6
3	1.9	1.7	1.6	2.2	2.2	5.0	5.7	7.4	8.9	8.1	6.3	4.4	2.4	1.9	2.2	2.9	3.5	3.1	2.5	1.1	2.1	1.7	1.4	1.8	3.4	8.9	1.1
4	1.5	1.7	1.5	1.6	1.5	1.5	1.2	2.1	2.7	1.8	1.6	3.1	3.0	4.0	4.4	4.3	3.9	3.4	1.4	1.3	2.0	1.7	1.5	1.7	2.3	4.4	1.2
5	1.3	1.3	1.1	1.6	1.6	1.6	1.5	1.1	0.9	2.0	2.5	3.5	4.2	4.5	4.1	4.7	4.5	3.7	3.2	1.7	0.8	2.8	3.5	1.1	2.5	4.7	0.8
6	1.4	1.6	1.2	1.5	1.9	1.8	1.7	0.6	0.4	1.5	3.0	3.5	3.3	4.5	4.7	4.4	4.1	4.5	3.3	1.7	1.1	2.0	1.6	1.6	2.4	4.7	0.4
7	1.6	1.7	1.8	1.2	1.6	2.0	2.0	1.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.7	2.0	1.2
8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.2	2.2	2.2	2.2
15	1.8	1.3	1.5	1.4	1.5	1.6	1.6	0.5	2.2	3.6	3.7	4.3	5.9	5.9	6.9	7.1	6.0	6.0	5.3	3.6	4.5	4.4	3.2	2.9	3.6	7.1	0.5
16	1.4	2.7	1.9	1.2	1.4	2.1	1.6	0.9	1.4	1.7	3.3	4.4	4.7	4.6	5.5	5.3	4.5	4.6	3.8	1.9	1.3	1.9	1.6	1.7	2.7	5.5	0.9
17	1.3	1.5	1.2	1.7	1.9	2.0	1.7	1.3	1.0	1.8	3.7	4.3	4.7	5.2	5.5	4.7	4.0	4.2	3.3	0.9	1.7	1.5	1.6	1.5	2.6	5.5	0.9
18	1.6	1.7	1.7	1.5	1.3	1.2	1.6	0.5	1.4	1.9	3.6	4.0	4.9	5.4	5.7	5.5	5.4	5.3	4.2	1.1	2.0	1.9	1.8	1.5	2.8	5.7	0.5
19	1.6	1.7	1.5	1.7	1.5	2.0	1.7	1.0	0.5	1.7	2.5	3.3	3.2	4.4	4.1	4.7	4.5	3.7	3.1	1.0	2.4	2.1	1.7	2.7	2.4	4.7	0.5
20	2.1	2.0	1.9	1.7	1.5	1.9	1.3	1.2	1.0	1.3	2.2	2.8	2.9	3.9	4.0	3.7	4.3	3.4	2.6	0.9	2.2	1.4	2.2	1.2	2.2	4.3	0.9
21	1.5	1.2	1.9	1.6	1.7	1.2	1.3	1.0	0.8	2.4	2.9	3.1	2.9	3.7	3.8	4.0	3.4	4.0	2.8	1.2	0.9	2.4	1.5	0.9	2.2	4.0	0.8
22	0.7	1.4	2.0	1.9	1.5	1.8	1.7	1.1	0.6	1.7	3.3	3.7	3.1	3.9	3.9	4.3	3.3	3.1	4.7	3.6	2.3	4.5	4.8	3.4	2.8	4.8	0.6
23	1.4	1.4	1.4	1.3	1.2	1.9	1.4	0.9	0.7	1.6	3.5	3.9	4.2	4.8	5.1	4.4	4.7	4.8	4.3	3.5	4.7	3.7	3.2	4.4	3.0	5.1	0.7
24	2.8	1.2	1.1	1.4	1.2	0.6	2.1	3.2	3.7	4.1	5.1	3.9	3.8	3.7	3.6	4.4	1.4	3.0	1.9	0.7	2.1	1.8	1.6	0.7	2.4	5.1	0.6
25	0.8	1.8	1.1	0.9	1.5	1.3	0.9	1.0	1.3	1.8	2.6	3.2	4.7	4.5	4.3	5.4	6.4	6.1	6.0	5.6	3.3	2.1	2.0	2.2	2.9	6.4	0.8
26	4.6	2.2	1.3	0.5	1.9	1.4	2.0	4.4	3.3	3.1	3.3	3.3	2.7	2.0	4.3	5.0	2.9	3.6	1.5	1.4	2.4	2.4	2.3	2.4	2.7	5.0	0.5
27	1.7	1.4	1.4	1.5	1.4	1.5	1.4	1.2	0.8	4.4	3.6	3.4	3.7	4.4	3.4	3.1	2.8	3.8	4.3	1.8	1.5	1.3	1.8	2.0	2.4	4.4	0.8
28	1.6	2.5	1.8	2.7	3.4	3.8	4.1	5.1	5.8	5.6	4.4	3.3	3.4	3.2	3.2	2.7	3.0	2.7	3.3	3.4	3.3	2.3	2.5	2.6	3.3	5.8	1.6
29	2.8	1.3	2.0	2.6	4.0	2.1	4.0	4.9	5.2	4.6	3.4	4.4	4.7	3.5	3.3	3.1	3.0	2.5	1.8	1.9	1.5	1.8	1.8	1.2	3.0	5.2	1.2
30	1.4	1.8	2.9	2.8	3.5	3.3	3.5	2.9	3.2	3.1	2.3	2.3	2.0	2.0	2.8	3.2	3.6	3.5	3.4	1.6	1.5	1.9	1.6	1.6	2.6	3.6	1.4
Avg	1.7	1.6	1.6	1.6	1.8	2.0	2.1	2.0	2.2	2.9	3.4	3.6	3.8	4.1	4.3	4.4	4.1	4.0	3.3	1.9	2.1	2.3	2.1	2.0	2.7	--	--
Max	4.6	2.7	2.9	2.8	4.0	5.0	5.7	7.4	8.9	8.1	6.3	4.4	5.9	5.9	6.9	7.1	6.4	6.1	6.0	5.6	4.7	4.5	4.8	4.4	--	8.9	--
Min	0.7	0.9	1.1	0.5	1.2	0.6	0.9	0.5	0.4	1.3	1.6	2.3	2.0	1.9	2.2	2.7	1.4	2.5	1.4	0.7	0.8	1.3	1.4	0.7	--	--	0.4

-- Indicates Invalid Data

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WS_ms_20m"
Month: May 2015

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	1.5	1.3	2.0	1.5	1.6	0.7	1.1	2.6	3.1	2.0	2.2	3.4	3.8	4.4	4.7	4.6	3.8	1.9	1.6	2.1	1.7	1.7	2.3	4.7	0.7
2	2.1	1.6	1.5	1.3	1.5	1.8	1.7	0.9	1.0	1.3	1.2	2.2	3.2	3.3	4.3	3.8	3.6	3.5	2.4	0.9	2.8	0.9	0.8	2.0	2.1	4.3	0.8
3	2.4	1.2	1.6	1.4	1.5	1.6	1.2	0.7	1.1	1.6	3.3	2.9	3.1	3.5	3.5	3.2	3.9	3.7	3.8	2.0	2.4	3.5	3.9	1.9	2.4	3.9	0.7
4	4.4	3.4	3.1	3.2	1.7	1.5	3.4	3.2	3.0	4.2	3.6	3.2	1.7	2.5	4.2	4.6	6.3	4.0	2.9	2.4	1.7	1.8	1.8	1.7	3.1	6.3	1.5
5	1.0	1.1	0.9	1.2	0.8	0.8	0.6	0.4	1.4	2.1	3.0	3.4	2.8	2.6	2.7	3.1	3.1	3.8	3.1	1.0	1.7	1.7	1.4	1.4	1.9	3.8	0.4
6	1.3	1.3	1.2	1.0	0.9	1.5	0.7	1.0	0.8	1.7	2.5	2.2	3.3	3.5	4.0	3.6	4.1	4.1	3.7	5.1	4.2	2.1	2.5	3.8	2.5	5.1	0.7
7	3.2	0.7	0.9	1.3	1.7	1.4	1.0	0.5	1.4	3.7	3.6	2.9	3.9	3.8	4.1	4.8	3.5	3.6	5.4	4.7	3.8	3.6	3.3	2.6	2.9	5.4	0.5
8	2.2	0.3	0.9	2.6	1.5	1.2	0.9	1.5	2.9	3.5	4.7	4.1	5.3	5.4	5.7	5.5	5.7	4.9	4.3	4.6	4.1	3.9	5.1	4.4	3.6	5.7	0.3
9	4.7	1.8	2.4	3.1	1.4	0.5	0.8	1.4	2.1	2.5	3.2	3.0	3.8	3.7	4.1	4.5	3.9	3.9	3.1	2.3	0.8	2.2	1.4	1.6	2.6	4.7	0.5
10	1.7	1.7	1.4	1.2	1.3	1.4	1.5	1.0	1.2	3.0	3.1	3.7	4.1	4.2	4.2	4.0	4.2	4.2	3.3	2.2	1.2	1.7	1.5	1.4	2.4	4.2	1.0
11	1.8	1.0	1.1	1.4	2.9	2.1	2.0	3.9	3.6	5.5	6.1	3.4	4.1	3.1	3.8	2.9	2.5	1.9	2.0	1.5	2.5	1.5	1.9	1.1	2.6	6.1	1.0
12	1.5	1.1	1.1	1.3	1.7	1.6	1.6	1.0	0.9	2.6	2.8	2.7	3.1	3.8	4.6	4.5	4.3	4.0	4.3	3.0	3.6	3.6	2.9	4.0	2.7	4.6	0.9
13	2.5	1.2	1.3	0.9	1.7	1.9	2.4	3.7	4.3	3.6	3.0	3.0	3.4	3.4	4.3	3.2	3.0	3.4	2.1	2.5	0.5	1.7	1.8	0.8	2.5	4.3	0.5
14	1.4	1.4	0.9	1.5	1.1	2.5	1.7	2.6	5.8	6.5	5.8	5.6	5.0	5.4	5.9	6.3	7.0	6.4	6.6	5.2	4.4	2.9	3.9	4.1	4.2	7.0	0.9
15	3.8	4.5	4.0	3.1	2.3	1.9	1.7	2.4	1.7	1.7	3.3	3.4	4.5	5.3	5.8	3.6	5.8	1.9	1.9	1.3	1.0	1.3	1.2	3.7	3.0	5.8	1.0
16	4.0	1.7	0.8	1.9	2.9	2.5	2.8	2.4	2.6	3.0	2.4	2.3	2.8	3.0	3.3	3.6	3.1	2.3	2.2	1.1	0.9	1.7	1.7	1.4	2.3	4.0	0.8
17	1.2	0.9	1.2	2.6	2.6	2.7	2.2	2.4	2.3	1.8	1.4	2.4	2.6	2.9	3.0	2.9	2.7	2.7	2.0	0.7	1.5	1.4	1.6	1.3	2.1	3.0	0.7
18	1.6	1.0	1.1	1.4	1.5	1.2	1.3	0.7	1.0	2.8	2.7	4.0	4.4	4.1	4.1	4.6	4.7	5.3	6.0	5.9	4.9	3.5	3.2	1.1	3.0	6.0	0.7
19	1.9	1.1	1.3	1.3	1.5	1.3	1.1	0.4	1.2	1.9	2.5	2.4	2.7	3.5	3.8	3.8	3.5	3.0	1.6	1.1	1.7	1.3	1.6	1.4	2.0	3.8	0.4
20	1.5	1.3	1.5	1.6	1.2	1.0	1.7	2.2	1.3	2.2	4.4	3.4	2.9	2.7	3.5	3.5	3.5	4.0	2.7	1.0	1.6	2.5	1.4	1.8	2.3	4.4	1.0
21	1.4	2.0	1.7	1.8	1.6	1.7	1.6	1.2	0.5	1.9	4.1	4.1	4.8	5.0	4.3	4.8	5.2	6.9	6.3	4.9	2.9	2.4	2.5	1.3	3.1	6.9	0.5
22	0.8	1.3	1.0	1.9	1.4	1.4	1.2	0.5	0.6	3.3	4.3	4.5	4.2	5.8	6.0	6.4	5.7	5.7	6.1	2.9	1.1	1.1	1.5	1.8	2.9	6.4	0.5
23	1.2	1.7	1.3	1.2	1.2	1.2	1.1	0.5	1.5	3.1	2.4	3.1	2.7	3.7	3.4	3.6	3.6	3.7	3.9	1.7	0.8	1.9	1.5	1.6	2.1	3.9	0.5
24	1.3	1.5	1.4	1.4	1.3	1.6	0.7	0.4	1.2	2.0	2.0	3.4	3.8	3.9	3.3	3.3	3.8	4.3	3.6	1.7	0.5	2.3	1.5	1.5	2.2	4.3	0.4
25	1.4	1.5	1.4	1.4	1.1	1.7	0.9	0.4	1.8	2.4	3.1	3.1	3.8	3.9	4.2	4.1	3.7	3.3	3.3	2.1	0.7	1.9	1.3	1.5	2.2	4.2	0.4
26	1.6	1.4	2.0	1.6	1.3	1.2	1.4	0.5	0.9	1.3	2.5	3.4	3.1	3.1	3.4	3.6	4.0	3.9	2.9	1.1	1.2	1.9	1.8	1.4	2.1	4.0	0.5
27	1.7	1.5	1.7	1.3	1.5	1.6	1.4	0.7	0.6	0.7	2.1	2.8	3.2	4.1	4.0	4.0	2.9	2.6	2.5	1.0	1.0	1.9	1.8	1.7	2.0	4.1	0.6
28	1.7	1.5	1.8	1.4	1.4	1.5	0.9	0.5	1.2	3.0	3.0	2.1	3.0	3.7	4.6	3.9	4.0	4.1	3.7	1.1	1.4	2.2	1.7	1.7	2.3	4.6	0.5
29	1.8	1.6	1.5	1.5	1.6	1.7	1.5	0.8	3.1	3.5	3.7	3.6	3.6	3.6	3.5	3.7	3.4	3.7	3.2	1.7	2.0	1.8	1.8	1.8	2.5	3.7	0.8
30	1.9	1.7	1.5	1.4	1.7	1.2	1.2	0.6	0.6	2.3	3.0	3.7	3.6	3.8	4.2	4.5	4.2	4.6	4.1	1.5	1.4	2.0	2.1	1.6	2.4	4.6	0.6
31	1.7	1.6	1.2	1.5	1.6	1.5	1.5	0.7	0.9	2.1	3.2	3.1	3.7	3.2	3.6	4.4	4.1	3.3	3.1	1.0	1.6	1.6	1.6	1.4	2.2	4.4	0.7
Avg	2.0	1.5	1.5	1.7	1.6	1.6	1.5	1.3	1.7	2.7	3.2	3.2	3.5	3.8	4.1	4.1	4.1	3.9	3.5	2.3	2.0	2.1	2.1	2.0	2.5	--	--
Max	4.7	4.5	4.0	3.2	2.9	2.7	3.4	3.9	5.8	6.5	6.1	5.6	5.3	5.8	6.0	6.4	7.0	6.9	6.6	5.9	4.9	3.9	5.1	4.4	--	7.0	--
Min	0.8	0.3	0.8	0.9	0.8	0.5	0.6	0.4	0.5	0.7	1.2	2.0	1.7	2.5	2.7	2.9	2.5	1.9	1.6	0.7	0.5	0.9	0.8	0.8	--	--	0.3

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WS_ms_20m"
Month: Jun 2015

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	1.3	1.7	1.9	1.5	1.6	1.2	0.8	0.9	2.4	3.4	3.7	3.5	3.5	4.0	4.4	4.0	4.9	3.7	1.5	0.7	2.1	2.3	1.8	2.5	4.9	0.7
2	1.3	1.3	1.0	1.4	1.6	1.5	1.0	0.7	0.9	2.1	2.7	3.0	3.4	3.7	4.9	4.2	3.9	3.8	4.0	2.9	1.0	1.8	1.7	1.5	2.3	4.9	0.7
3	2.0	1.6	1.8	1.6	1.5	1.4	1.5	0.9	1.6	2.4	3.1	3.0	3.2	4.0	4.9	4.2	4.8	4.9	3.9	3.1	2.1	1.1	1.8	2.1	2.6	4.9	0.9
4	1.5	1.7	1.8	1.5	2.2	1.7	1.2	0.9	3.1	2.7	2.8	3.7	4.6	4.3	6.6	3.5	2.1	3.7	4.7	2.1	4.2	2.5	3.3	2.9	2.9	6.6	0.9
5	3.6	2.8	2.2	2.1	2.1	2.4	2.1	1.3	1.3	2.7	3.7	4.8	4.8	2.9	2.4	4.2	1.5	1.2	1.0	1.6	1.6	2.4	2.1	1.4	2.4	4.8	1.0
6	1.5	1.6	1.5	1.3	1.0	1.3	0.9	0.8	1.3	2.5	2.9	3.1	2.6	2.6	3.2	3.3	2.9	3.0	2.4	1.0	0.3	1.3	1.6	1.2	1.9	3.3	0.3
7	1.3	1.5	1.6	1.5	2.4	1.6	1.5	1.2	1.8	2.4	3.1	3.7	3.6	3.5	3.7	3.2	3.5	3.6	2.8	1.9	1.5	1.6	1.8	1.6	2.3	3.7	1.2
8	2.4	1.7	1.4	1.6	1.3	2.1	2.4	1.4	3.6	2.6	2.1	3.5	4.1	4.6	4.4	4.1	4.4	3.7	3.4	1.6	1.1	2.9	2.4	1.9	2.7	4.6	1.1
9	1.9	2.1	2.0	3.5	2.1	2.3	1.5	1.8	1.1	2.7	1.9	3.0	2.8	1.5	1.8	2.6	4.6	2.7	1.6	0.9	0.7	2.3	2.5	2.0	2.2	4.6	0.7
10	1.1	1.4	1.3	1.3	0.6	0.7	0.8	0.5	0.8	1.7	2.8	4.0	3.6	4.2	3.9	4.3	4.5	4.4	3.8	2.9	2.4	1.1	0.9	1.5	2.3	4.5	0.5
11	1.7	1.4	1.4	1.0	1.4	1.0	1.4	0.4	1.5	2.1	2.9	3.3	3.5	3.9	4.1	4.1	3.9	3.5	3.2	2.3	1.0	2.0	1.6	1.4	2.2	4.1	0.4
12	1.7	1.6	1.2	1.8	1.2	1.6	0.8	0.6	1.3	1.7	2.9	3.3	3.7	3.6	3.2	3.1	3.3	3.2	3.2	2.6	1.3	2.1	1.5	1.6	2.2	3.7	0.6
13	1.3	1.3	1.4	1.4	1.5	1.7	1.7	0.4	0.8	1.5	3.2	3.3	3.7	4.2	4.2	3.7	4.2	4.1	4.0	3.0	1.5	1.2	1.6	1.7	2.4	4.2	0.4
14	1.5	1.5	0.9	1.2	1.4	1.5	1.1	0.3	0.9	1.9	3.2	3.6	3.6	3.9	3.7	4.2	3.5	4.2	3.5	3.0	1.2	1.6	1.5	1.5	2.3	4.2	0.3
15	1.3	1.7	1.9	1.5	1.3	1.2	1.1	0.4	1.0	2.4	2.8	3.2	2.9	4.3	4.4	4.8	5.3	4.0	4.0	2.8	1.4	1.4	2.2	1.7	2.4	5.3	0.4
16	2.1	1.7	1.7	1.3	1.3	2.5	2.5	1.7	2.8	2.2	2.0	2.3	2.4	3.3	4.3	5.3	6.0	5.6	5.3	3.8	1.2	1.7	1.8	1.7	2.8	6.0	1.2
17	2.0	2.1	0.6	0.9	1.2	1.3	1.8	2.6	2.6	1.6	1.4	2.7	3.3	4.9	5.7	6.2	5.3	4.7	4.1	3.4	0.8	2.0	1.8	2.1	2.7	6.2	0.6
18	1.8	1.5	1.4	1.5	1.5	1.7	1.3	0.9	2.5	2.9	3.2	3.5	4.9	5.1	6.3	6.0	5.6	4.9	4.5	3.0	1.2	2.2	2.0	1.5	3.0	6.3	0.9
19	1.6	1.9	2.0	1.8	1.3	1.5	1.3	0.6	0.4	1.3	2.8	3.5	3.4	3.9	4.6	5.6	4.5	4.7	4.2	3.2	1.2	2.1	1.6	1.6	2.5	5.6	0.4
20	1.7	1.9	1.6	1.7	1.6	1.5	1.2	0.7	0.4	1.6	3.2	3.4	3.3	3.4	4.2	3.9	3.8	3.7	3.1	1.6	1.7	2.2	1.8	1.5	2.3	4.2	0.4
21	1.6	1.3	1.3	1.1	1.0	1.1	0.9	1.6	3.0	3.0	2.6	3.0	3.3	3.7	4.6	5.2	5.1	5.1	4.7	4.0	2.2	1.2	2.0	1.5	2.7	5.2	0.9
22	1.5	1.4	1.8	1.4	0.9	1.2	1.7	0.6	1.0	1.2	1.9	2.4	3.9	3.8	4.2	4.9	5.1	5.0	5.0	3.7	1.9	1.5	1.7	1.6	2.5	5.1	0.6
23	1.9	1.4	1.8	1.7	1.3	1.3	1.8	1.1	1.3	2.5	2.8	3.5	4.6	4.8	5.3	5.7	6.1	5.6	5.3	3.6	1.3	1.7	1.7	1.5	2.9	6.1	1.1
24	1.7	1.7	1.3	1.6	0.4	1.8	1.9	3.4	4.1	4.5	4.2	3.8	3.2	3.2	3.6	3.9	6.7	8.9	8.4	3.4	2.2	3.2	3.5	3.2	3.5	8.9	0.4
25	3.5	3.0	2.0	1.4	2.3	1.7	1.0	1.2	1.8	1.5	1.5	3.7	3.9	3.8	4.3	4.8	5.3	5.0	4.7	3.8	2.4	1.3	3.2	2.3	2.9	5.3	1.0
26	1.3	1.9	0.7	0.5	1.2	1.0	1.3	2.0	3.0	2.2	2.4	2.5	2.8	3.7	4.4	4.8	4.4	4.0	3.0	2.1	1.4	0.8	1.9	1.8	2.3	4.8	0.5
27	2.8	1.5	0.5	0.7	0.3	0.7	1.1	1.0	1.3	1.6	2.4	2.9	3.9	3.9	5.0	5.2	6.0	6.7	11.3	8.6	4.3	3.2	3.4	3.1	3.4	11.3	0.3
28	3.8	1.9	1.8	0.7	1.9	3.0	3.0	3.4	1.6	1.2	3.2	2.1	2.2	1.9	2.5	4.9	2.6	1.2	3.9	1.9	1.3	1.0	1.1	0.8	2.2	4.9	0.7
29	0.8	1.1	0.7	1.0	1.7	0.7	0.5	1.9	3.3	2.3	2.8	3.1	3.6	3.9	4.2	3.9	3.8	4.3	4.4	3.0	3.7	1.6	1.8	1.5	2.5	4.4	0.5
30	1.0	1.0	1.1	1.4	1.1	0.5	0.8	2.2	3.4	2.9	2.2	2.0	3.3	4.4	6.3	6.1	5.9	5.1	4.7	1.9	1.0	1.0	2.4	3.1	2.7	6.3	0.5
Avg	1.9	1.7	1.4	1.4	1.4	1.5	1.4	1.2	1.8	2.2	2.7	3.2	3.5	3.7	4.3	4.5	4.4	4.3	4.2	2.8	1.7	1.8	2.0	1.8	2.5	--	--
Max	3.8	3.0	2.2	3.5	2.4	3.0	3.0	3.4	4.1	4.5	4.2	4.8	4.9	5.1	6.6	6.2	6.7	8.9	11.3	8.6	4.3	3.2	3.5	3.2	--	11.3	--
Min	0.8	1.0	0.5	0.5	0.3	0.5	0.5	0.3	0.4	1.2	1.4	2.0	2.2	1.5	1.8	2.6	1.5	1.2	1.0	0.9	0.3	0.8	0.9	0.8	--	--	0.3

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WS_ms_10m"
Month: Apr 2015

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	0.8	0.8	0.9	0.8	1.2	1.0	1.1	1.9	2.7	3.4	3.5	4.2	4.3	4.4	4.9	4.5	4.1	2.6	0.7	1.3	1.5	1.1	0.9	2.2	4.9	0.7
2	1.0	0.6	0.7	1.0	1.0	1.3	0.9	0.7	0.4	1.7	3.2	3.5	3.9	4.1	3.7	4.0	3.9	3.0	2.2	0.6	0.5	0.9	1.1	0.9	1.9	4.1	0.4
3	1.1	1.1	0.9	1.1	1.4	3.8	4.3	5.8	7.0	6.5	5.1	3.6	2.0	1.7	2.0	2.6	3.1	2.6	1.6	0.6	1.2	1.0	0.8	1.0	2.6	7.0	0.6
4	0.9	1.0	1.0	1.1	1.0	0.6	0.7	1.2	1.9	1.4	1.5	2.8	2.7	3.5	3.9	3.8	3.3	2.8	0.9	0.8	1.1	0.9	0.8	1.2	1.7	3.9	0.6
5	0.8	0.9	0.8	1.0	0.9	0.9	1.0	0.8	0.8	1.8	2.1	3.0	3.6	4.0	3.5	4.0	3.8	3.1	2.7	1.0	0.7	2.0	2.8	0.8	1.9	4.0	0.7
6	1.0	1.1	0.6	1.0	1.1	1.0	1.0	0.4	0.4	1.4	2.7	3.1	2.9	4.0	4.0	3.8	3.5	3.7	2.5	0.9	1.0	1.2	1.1	0.8	1.8	4.0	0.4
7	1.0	0.8	0.9	0.7	0.5	1.1	0.9	0.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.8	1.1	0.5
8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2	1.2	1.2	1.2
15	0.8	0.7	0.5	0.9	1.0	1.0	0.8	0.4	2.0	3.1	3.3	3.7	5.0	5.1	5.9	5.9	5.2	4.9	4.2	2.7	3.5	3.4	2.4	2.2	2.9	5.9	0.4
16	1.0	1.7	1.4	1.0	1.0	1.3	1.0	0.8	1.3	1.6	2.8	3.9	4.1	4.1	4.7	4.5	3.9	3.9	3.1	1.3	1.0	0.9	1.0	1.1	2.2	4.7	0.8
17	0.8	1.0	0.8	1.0	1.0	1.3	1.1	0.9	0.9	1.7	3.3	3.8	4.1	4.5	4.7	4.0	3.5	3.6	2.5	0.5	1.2	1.1	0.8	0.9	2.0	4.7	0.5
18	0.9	1.1	1.0	1.3	0.7	0.7	1.0	0.4	1.3	1.7	3.2	3.4	4.3	4.6	4.9	4.8	4.6	4.4	3.3	0.7	1.1	1.1	0.9	0.9	2.2	4.9	0.4
19	0.9	0.8	0.8	1.0	1.0	0.9	1.0	0.8	0.6	1.5	2.3	2.9	2.9	3.9	3.6	4.1	3.9	3.2	2.4	0.7	1.2	1.1	0.9	1.3	1.8	4.1	0.6
20	1.1	1.5	0.9	0.8	0.9	0.9	0.9	0.8	0.8	1.2	2.0	2.6	2.5	3.4	3.5	3.2	3.6	2.9	2.0	0.6	1.0	0.7	1.4	0.8	1.7	3.6	0.6
21	1.0	0.5	1.0	1.0	1.0	0.6	0.7	0.8	0.7	2.0	2.6	2.8	2.5	3.2	3.3	3.6	3.0	3.4	2.0	0.7	0.7	1.3	0.9	0.8	1.7	3.6	0.5
22	0.6	0.9	1.0	1.0	0.9	1.2	1.0	0.9	0.6	1.6	2.9	3.1	2.7	3.4	3.4	3.8	2.8	2.7	3.8	2.8	1.2	3.4	3.8	2.7	2.2	3.8	0.6
23	1.0	1.0	0.8	0.9	0.9	1.1	0.9	0.7	0.7	1.5	3.1	3.4	3.7	4.2	4.4	3.8	4.1	4.1	3.5	2.8	3.9	3.0	2.5	3.7	2.5	4.4	0.7
24	2.3	0.8	0.7	1.1	0.5	0.5	1.6	2.7	3.1	3.4	4.4	3.2	3.1	3.3	3.1	3.7	1.3	2.6	1.5	0.4	0.9	0.9	1.0	0.6	1.9	4.4	0.4
25	0.4	0.8	0.9	0.9	1.2	0.9	0.5	0.7	1.2	1.6	2.2	2.7	4.1	3.9	3.7	4.5	5.4	5.0	5.0	4.6	2.6	1.6	1.5	1.5	2.4	5.4	0.4
26	3.8	1.7	0.9	0.4	1.6	1.2	1.6	3.7	2.7	2.6	2.8	2.9	2.3	1.7	3.6	4.0	2.5	2.9	1.2	0.8	1.7	1.4	1.4	1.4	2.1	4.0	0.4
27	1.0	0.7	0.7	0.8	0.8	0.8	0.8	0.9	0.8	3.5	3.0	2.9	3.1	3.6	2.9	2.6	2.4	3.2	3.5	1.1	0.6	0.7	1.0	1.3	1.8	3.6	0.6
28	1.1	1.3	1.2	1.7	2.4	2.7	3.0	4.1	4.7	4.6	3.4	2.7	2.7	2.5	2.6	2.2	2.4	2.2	2.5	2.5	2.3	1.7	1.6	1.7	2.5	4.7	1.1
29	1.8	0.9	1.1	1.6	3.0	1.5	3.0	3.8	4.1	3.7	2.8	3.6	3.7	2.8	2.7	2.5	2.4	2.0	1.4	0.8	0.8	0.9	1.3	0.6	2.2	4.1	0.6
30	0.5	1.0	1.3	1.4	2.2	2.1	2.2	2.0	2.5	2.5	2.0	2.1	1.8	1.8	2.4	2.9	3.0	3.0	2.6	1.0	1.0	1.0	1.0	1.0	1.8	3.0	0.5
Avg	1.1	1.0	0.9	1.0	1.2	1.2	1.3	1.5	1.8	2.4	2.9	3.1	3.3	3.5	3.7	3.8	3.4	3.3	2.6	1.3	1.4	1.5	1.4	1.3	2.1	--	--
Max	3.8	1.7	1.4	1.7	3.0	3.8	4.3	5.8	7.0	6.5	5.1	3.9	5.0	5.1	5.9	5.9	5.4	5.0	5.0	4.6	3.9	3.4	3.8	3.7	--	7.0	--
Min	0.4	0.5	0.5	0.4	0.5	0.5	0.5	0.4	0.4	1.2	1.5	2.1	1.8	1.7	2.0	2.2	1.3	2.0	0.9	0.4	0.5	0.7	0.8	0.6	--	--	0.4

-- Indicates Invalid Data

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WS_ms_10m"
Month: May 2015

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

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WS_ms_10m"
Month: Jun 2015

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	0.6	0.8	1.2	0.9	1.2	0.9	0.7	0.8	2.1	3.0	3.3	3.1	3.1	3.5	3.9	3.5	4.0	3.0	0.8	0.2	1.4	1.3	1.0	1.9	4.0	0.2
2	0.9	0.7	0.8	1.1	0.9	0.8	0.6	0.6	0.9	1.9	2.4	2.8	3.0	3.2	4.2	3.7	3.5	3.2	3.2	2.1	0.4	1.5	0.9	0.9	1.8	4.2	0.4
3	0.9	1.0	1.1	1.0	1.2	1.0	1.0	0.7	1.3	2.0	2.6	2.7	2.9	3.4	4.2	3.7	4.1	4.2	3.1	2.1	1.3	0.7	1.2	1.0	2.0	4.2	0.7
4	1.0	1.3	1.2	0.9	1.2	1.0	0.7	0.7	2.5	2.2	2.2	3.1	3.8	3.8	5.6	3.0	1.8	3.0	4.0	1.7	3.3	1.8	2.4	2.1	2.3	5.6	0.7
5	2.5	2.0	1.6	1.6	1.6	1.6	1.5	1.1	1.1	2.1	2.9	3.7	3.8	2.4	2.0	3.4	1.4	1.0	0.9	1.2	1.0	1.6	1.1	0.7	1.8	3.8	0.7
6	1.0	0.9	0.9	0.8	0.6	1.0	0.8	0.7	1.2	2.0	2.5	2.7	2.3	2.4	2.9	2.9	2.5	2.6	2.0	0.5	0.3	0.7	1.0	1.1	1.5	2.9	0.3
7	0.9	0.8	0.9	0.9	1.4	0.7	0.9	1.1	1.6	2.1	2.8	3.3	3.2	3.1	3.2	2.9	3.1	3.0	2.3	1.3	1.0	1.3	1.1	0.9	1.8	3.3	0.7
8	1.7	1.0	0.9	1.1	0.9	1.3	1.7	1.1	2.9	2.1	1.9	3.1	3.5	4.0	3.8	3.5	3.7	3.1	2.6	1.3	0.9	2.2	1.8	1.6	2.1	4.0	0.9
9	1.3	1.4	1.5	2.5	1.5	1.7	1.3	1.5	0.8	2.1	1.7	2.6	2.4	1.4	1.7	2.3	3.8	2.1	1.2	0.6	0.4	1.5	1.8	1.3	1.7	3.8	0.4
10	0.7	0.9	0.9	0.8	0.4	0.6	0.7	0.4	0.7	1.5	2.5	3.4	3.1	3.7	3.4	3.7	3.8	3.7	3.2	2.2	1.7	0.6	0.7	0.9	1.8	3.8	0.4
11	1.1	0.9	0.9	0.6	1.0	0.8	0.9	0.3	1.4	1.9	2.7	2.9	3.1	3.5	3.7	3.5	3.3	3.0	2.7	1.7	0.6	1.1	0.9	0.7	1.8	3.7	0.3
12	0.9	1.0	1.1	0.9	0.7	1.0	0.7	0.5	1.2	1.5	2.6	3.0	3.2	3.2	2.9	2.7	3.0	2.7	2.7	1.8	0.7	1.1	0.8	0.8	1.7	3.2	0.5
13	0.9	0.8	1.1	0.8	1.1	1.1	1.0	0.4	0.9	1.4	2.8	3.0	3.3	3.8	3.7	3.2	3.6	3.4	3.4	2.2	0.8	0.8	0.9	1.0	1.9	3.8	0.4
14	1.2	1.1	0.7	0.9	0.5	1.1	0.7	0.3	0.9	1.8	2.9	3.2	3.3	3.5	3.3	3.7	3.0	3.6	3.0	2.2	0.8	1.0	0.8	1.2	1.9	3.7	0.3
15	0.8	1.1	0.9	0.8	0.5	0.8	0.8	0.4	0.9	2.2	2.5	2.9	2.7	3.8	3.9	4.1	4.4	3.4	3.3	1.9	0.7	1.0	1.1	0.9	1.9	4.4	0.4
16	1.4	0.9	1.1	0.6	0.9	1.2	1.6	1.4	2.2	1.8	1.7	1.9	2.2	2.9	3.8	4.5	5.1	4.7	4.4	2.9	0.6	1.1	1.2	1.0	2.1	5.1	0.6
17	1.5	1.1	0.4	0.8	0.8	0.9	1.0	2.0	2.1	1.4	1.4	2.5	2.9	4.3	4.8	5.3	4.6	4.0	3.4	2.6	0.5	1.0	1.1	1.2	2.1	5.3	0.4
18	1.0	0.8	0.7	1.1	1.0	1.3	0.9	0.8	2.2	2.7	2.9	3.1	4.3	4.4	5.3	5.1	4.7	4.1	3.6	2.0	0.7	1.3	1.3	0.7	2.3	5.3	0.7
19	1.2	0.9	1.3	1.2	0.9	1.1	0.9	0.6	0.6	1.2	2.6	3.2	3.0	3.5	3.9	4.7	3.9	4.0	3.4	2.3	0.7	1.3	0.9	1.0	2.0	4.7	0.6
20	1.0	1.4	1.1	1.2	1.3	0.9	0.8	0.6	0.5	1.4	2.8	3.0	3.0	3.0	3.6	3.5	3.3	3.2	2.6	1.1	1.0	1.3	1.0	0.9	1.8	3.6	0.5
21	1.0	0.9	0.9	0.7	0.8	0.7	0.6	1.3	2.7	2.7	2.4	2.8	2.9	3.2	4.0	4.6	4.4	4.4	3.8	3.1	1.4	0.6	1.3	1.1	2.2	4.6	0.6
22	0.9	0.9	0.9	0.8	0.6	0.7	1.0	0.6	0.9	1.2	1.8	2.2	3.5	3.4	3.7	4.3	4.4	4.2	4.1	2.8	1.2	1.2	1.1	1.1	2.0	4.4	0.6
23	1.1	0.9	1.1	0.8	0.9	0.7	1.3	0.9	1.1	2.2	2.6	3.1	4.0	4.1	4.5	4.9	5.2	4.8	4.3	2.8	0.7	1.1	1.1	1.0	2.3	5.2	0.7
24	1.0	1.2	1.1	1.1	0.5	1.2	1.3	2.7	3.2	3.5	3.4	3.1	2.8	2.8	3.2	3.4	5.4	7.0	6.6	2.5	1.7	2.5	2.6	2.3	2.7	7.0	0.5
25	2.4	2.0	1.2	1.0	1.3	0.9	0.7	1.0	1.5	1.4	1.4	3.4	3.5	3.4	3.9	4.2	4.6	4.4	3.8	3.0	1.6	0.6	2.5	1.8	2.3	4.6	0.6
26	1.0	1.4	0.6	0.3	0.8	0.7	0.9	1.7	2.7	2.0	2.2	2.2	2.5	3.3	3.8	4.2	3.8	3.4	2.5	1.6	0.8	0.5	1.2	1.5	1.9	4.2	0.3
27	2.2	1.1	0.3	0.5	0.3	0.7	0.9	0.8	1.2	1.6	2.2	2.7	3.4	3.5	4.4	4.5	5.0	5.1	8.8	6.9	3.4	2.4	2.4	2.3	2.8	8.8	0.3
28	2.9	1.4	1.4	0.6	1.1	2.0	2.0	2.7	1.4	1.1	2.9	1.9	2.0	1.8	2.2	4.3	2.2	1.0	3.3	1.6	1.0	0.9	0.8	0.5	1.8	4.3	0.5
29	0.7	1.0	0.6	0.9	1.2	0.5	0.4	1.7	2.9	2.1	2.5	2.8	3.2	3.4	3.7	3.4	3.3	3.5	3.5	2.2	3.0	1.0	1.3	1.0	2.1	3.7	0.4
30	0.8	0.7	0.7	0.9	0.8	0.4	0.6	2.0	3.1	2.7	2.0	1.9	3.0	3.9	5.3	5.2	5.1	4.2	3.8	1.4	0.7	0.6	1.8	2.4	2.3	5.3	0.4
Avg	1.2	1.1	1.0	0.9	0.9	1.0	1.0	1.0	1.6	1.9	2.4	2.8	3.1	3.3	3.7	3.9	3.8	3.6	3.4	2.1	1.1	1.2	1.3	1.2	2.0	--	--
Max	2.9	2.0	1.6	2.5	1.6	2.0	2.0	2.7	3.2	3.5	3.4	3.7	4.3	4.4	5.6	5.3	5.4	7.0	8.8	6.9	3.4	2.5	2.6	2.4	--	8.8	--
Min	0.7	0.6	0.3	0.3	0.3	0.4	0.4	0.3	0.5	1.1	1.4	1.9	2.0	1.4	1.7	2.3	1.4	1.0	0.9	0.5	0.2	0.5	0.7	0.5	--	--	0.2

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WD_20m"
Month: Apr 2015

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	90	110	97	97	91	98	81	88	125	187	218	220	237	244	260	268	268	272	263	172	104	104	102	102	146	272	81
2	101	95	103	95	99	100	93	98	156	205	224	259	256	280	282	268	274	277	268	254	325	103	101	91	168	325	91
3	97	88	95	91	106	70	69	61	57	53	47	51	97	101	277	271	275	254	265	107	102	91	92	87	80	277	47
4	94	88	89	100	100	81	79	88	134	107	41	255	221	224	214	236	246	267	265	111	95	107	102	95	120	267	41
5	94	106	100	122	95	93	91	89	131	180	172	206	217	224	205	244	242	235	223	163	66	184	228	90	158	244	66
6	110	113	105	109	101	92	88	65	66	256	237	228	220	234	236	239	267	282	276	278	104	106	98	99	150	282	65
7	98	103	103	105	101	109	102	94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	102	109	94
8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	102	102	102	102
15	93	98	95	87	94	104	89	79	264	234	245	245	265	254	260	273	253	259	275	257	246	244	242	249	237	275	79
16	103	86	65	103	121	98	108	295	261	273	262	238	248	263	260	272	260	270	264	206	102	99	99	95	201	295	65
17	96	88	96	100	99	96	87	97	62	260	270	273	275	265	267	280	266	265	257	133	106	108	96	99	121	280	62
18	92	97	90	99	103	98	97	34	311	246	261	270	264	273	275	268	276	269	275	261	103	107	98	102	197	311	34
19	96	100	96	96	96	100	98	90	30	289	260	253	268	268	269	260	271	268	258	144	96	85	74	90	111	289	30
20	84	58	93	91	101	98	96	92	95	302	279	269	284	260	271	242	255	270	279	270	102	77	97	23	56	302	23
21	108	105	96	94	80	74	91	104	154	122	221	237	184	201	229	240	266	246	266	300	116	262	311	94	163	311	74
22	92	99	105	99	96	102	95	97	103	280	194	177	187	227	216	215	235	259	252	248	255	241	238	226	188	280	92
23	93	100	90	94	92	100	89	103	332	17	242	233	236	262	260	261	253	263	261	243	227	222	192	208	214	332	17
24	212	165	30	105	71	84	202	198	203	196	207	193	197	239	218	271	116	282	284	351	103	97	91	58	173	351	30
25	146	97	114	109	115	91	65	111	108	164	196	212	222	214	223	208	244	256	258	277	339	56	144	104	159	339	56
26	136	272	142	146	252	242	205	233	281	258	275	250	257	276	265	291	315	319	215	10	114	105	111	105	241	319	10
27	91	106	91	87	90	80	84	102	2	52	47	29	52	36	28	49	27	252	238	210	108	94	99	94	73	252	2
28	90	93	110	100	85	85	80	74	74	70	104	99	123	125	145	110	98	41	63	76	65	84	85	100	91	145	41
29	65	344	91	74	53	82	64	51	35	42	77	77	59	135	130	147	132	180	180	120	102	90	82	76	87	344	35
30	79	83	107	102	104	105	110	105	91	100	88	174	158	195	279	261	291	277	278	278	109	93	85	83	112	291	79
Avg	100	96	96	100	96	94	94	90	86	221	228	231	226	237	247	253	261	266	259	227	101	108	107	97	130	--	--
Max	212	344	142	146	252	242	205	295	332	302	279	273	284	280	282	291	315	319	284	351	339	262	311	249	--	351	--
Min	65	58	30	74	53	70	64	34	2	17	41	29	52	36	28	49	27	41	63	10	65	56	74	23	--	--	2

-- Indicates Invalid Data

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WD_20m"
Month: May 2015

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	86	84	105	90	110	96	95	85	330	292	288	270	276	282	274	262	286	274	284	285	102	94	100	91	20	330	84
2	99	102	99	105	101	103	95	103	81	132	70	196	251	255	273	252	275	255	249	206	188	9	41	116	135	275	9
3	228	127	109	99	104	92	101	110	139	47	234	241	267	227	217	260	241	244	254	276	244	264	315	98	205	315	47
4	118	83	274	107	104	134	71	93	71	63	87	96	305	275	276	275	224	91	117	129	174	211	98	110	113	305	63
5	85	272	150	84	131	71	148	89	309	225	213	230	226	256	249	276	254	279	267	293	108	99	86	94	199	309	71
6	97	109	96	116	124	92	87	101	60	139	221	189	205	209	238	209	246	251	263	251	238	242	242	238	187	263	60
7	242	105	109	114	95	85	83	298	279	204	204	187	220	217	227	217	211	212	251	242	232	224	232	228	208	298	83
8	211	102	107	111	75	111	98	154	216	252	261	246	273	249	251	263	278	270	271	269	270	263	284	281	243	284	75
9	281	290	256	257	263	79	117	279	249	261	268	264	261	257	269	280	268	271	271	251	2	104	108	100	265	290	2
10	88	86	86	89	90	89	90	110	167	274	245	248	245	254	251	258	254	255	260	234	125	98	98	96	163	274	86
11	102	82	81	79	95	82	100	72	85	99	117	135	160	119	103	194	186	203	194	248	111	106	99	81	115	248	72
12	90	110	112	97	98	89	84	106	134	231	242	222	186	198	203	203	210	210	226	192	186	181	167	202	169	242	84
13	161	118	85	65	96	95	79	90	105	116	100	129	190	185	232	230	243	247	188	112	283	46	97	96	127	283	46
14	102	105	108	98	94	158	162	183	211	211	187	186	214	217	215	223	227	228	260	240	242	250	213	209	196	260	94
15	216	208	210	201	198	196	207	217	207	210	214	216	214	214	201	188	225	329	124	134	61	96	107	305	199	329	61
16	260	81	114	211	206	225	246	256	267	262	265	221	241	236	235	255	261	278	265	229	106	116	111	89	230	278	81
17	92	75	85	115	104	110	109	113	103	113	56	341	258	268	262	264	267	292	286	259	117	112	103	93	106	341	56
18	103	86	103	103	89	86	93	146	203	297	192	220	234	225	240	231	244	283	262	259	251	241	205	129	199	297	86
19	107	87	97	98	92	96	92	91	346	286	256	231	244	267	278	261	275	270	308	269	108	85	86	92	104	346	85
20	84	92	77	99	71	63	90	108	121	138	138	109	161	232	233	270	270	287	280	292	102	266	106	104	120	292	63
21	97	107	98	94	83	91	102	98	254	143	200	215	218	242	229	217	223	248	249	236	204	220	205	126	181	254	83
22	103	94	117	107	97	94	91	76	350	214	220	236	225	240	230	233	269	277	259	299	150	319	82	103	175	350	76
23	91	98	103	105	90	89	102	63	307	277	309	292	233	271	263	254	270	273	280	284	67	105	97	94	31	309	63
24	89	89	81	94	108	94	76	70	98	309	194	220	244	244	240	259	255	285	273	273	128	101	85	94	134	309	70
25	83	85	92	79	100	96	105	159	294	271	279	276	251	274	276	272	282	264	284	246	99	107	88	100	203	294	79
26	97	92	98	95	95	93	115	105	296	141	269	275	269	264	271	237	263	272	299	321	90	100	98	86	119	321	86
27	90	102	102	101	100	92	92	81	119	260	291	285	271	261	270	247	262	267	273	266	103	96	97	91	134	291	81
28	89	80	92	94	104	100	103	48	289	289	276	274	269	274	265	279	276	277	272	217	101	98	94	89	55	289	48
29	89	92	91	99	94	101	89	9	291	279	267	262	267	262	245	252	264	271	275	287	106	94	89	90	261	291	9
30	93	84	98	110	103	107	105	115	310	290	279	267	267	247	257	260	275	270	282	285	108	92	91	88	172	310	84
31	89	103	103	104	100	105	101	36	273	255	260	255	257	252	245	258	261	267	269	287	103	96	98	99	185	287	36
Avg	106	97	103	103	103	100	102	99	259	236	237	233	240	244	246	247	254	264	262	256	133	118	107	106	177	--	--
Max	281	290	274	257	263	225	246	298	350	309	309	341	305	282	278	280	286	329	308	321	283	319	315	305	--	350	--
Min	83	75	77	65	71	63	71	9	60	47	56	96	160	119	103	188	186	91	117	112	2	9	41	81	--	--	2

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WD_20m"
Month: Jun 2015

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	106	94	96	97	84	94	83	107	43	229	255	236	240	244	246	266	274	282	278	283	76	103	96	90	134	283	43
2	86	117	99	100	91	88	100	89	57	187	236	217	259	273	264	257	271	288	284	273	269	104	82	97	156	288	57
3	101	99	96	92	103	79	103	92	152	162	197	226	233	222	258	247	259	274	281	264	269	16	101	89	164	281	16
4	98	97	102	105	100	93	86	120	96	120	162	187	201	230	232	198	267	254	225	153	98	101	99	94	136	267	86
5	103	107	73	96	89	105	101	63	236	44	40	45	97	84	346	347	311	215	249	264	128	119	113	95	84	347	40
6	77	94	79	105	72	99	180	130	282	312	310	322	302	276	283	281	289	279	272	253	109	110	95	102	347	322	72
7	107	101	107	96	97	93	82	291	283	301	282	270	260	227	261	266	288	294	284	281	271	56	93	98	283	301	56
8	106	90	106	79	73	98	110	91	57	47	329	277	251	248	238	238	263	265	268	311	59	160	164	135	124	329	47
9	197	109	211	109	125	120	314	61	55	87	222	263	287	303	266	263	259	116	139	130	308	254	243	246	213	314	55
10	256	108	129	101	126	110	115	95	100	319	275	270	268	266	288	266	281	287	275	268	240	320	107	97	247	320	95
11	106	95	97	87	100	101	94	88	193	265	248	276	237	246	249	274	272	266	282	284	209	99	89	79	186	284	79
12	87	93	86	102	88	109	102	100	82	326	297	274	252	283	269	282	273	273	239	246	54	97	88	90	79	326	54
13	88	102	97	107	95	104	101	77	14	287	279	275	259	268	277	278	280	277	269	267	316	109	94	99	334	316	14
14	87	94	106	103	101	108	89	162	100	282	275	269	254	252	242	278	260	270	268	263	318	111	94	95	186	318	87
15	100	93	93	96	98	101	95	349	314	276	253	257	269	249	255	255	287	253	267	276	290	98	91	103	261	349	91
16	86	95	98	97	106	93	96	112	117	140	141	112	334	285	271	273	265	275	276	273	279	107	93	90	112	334	86
17	98	97	155	103	109	96	99	115	131	199	298	279	277	266	277	278	274	270	265	261	328	98	87	93	173	328	87
18	87	106	90	102	94	110	87	70	291	267	276	260	258	268	274	287	276	271	278	250	61	99	101	109	205	291	61
19	109	98	95	92	100	102	94	122	205	247	281	277	259	254	276	291	265	275	281	279	344	99	84	87	209	344	84
20	92	90	92	91	105	102	82	71	20	287	244	271	247	255	254	259	284	272	266	301	103	98	84	89	88	301	20
21	89	102	100	104	118	104	98	268	243	242	234	251	283	277	261	260	279	264	269	277	297	119	94	92	228	297	89
22	86	85	95	104	91	107	104	132	4	238	300	233	256	239	276	271	275	268	271	276	308	107	111	112	197	308	4
23	107	103	96	107	89	107	101	107	159	274	253	264	259	265	261	270	269	272	270	273	300	109	112	99	192	300	89
24	95	105	103	83	135	100	111	104	114	113	128	119	204	262	241	268	44	55	61	96	120	96	102	98	107	268	44
25	111	115	101	107	99	106	88	105	106	82	86	224	250	242	249	271	255	261	270	272	267	207	203	182	177	272	82
26	116	199	149	137	109	106	109	167	207	226	188	273	249	263	264	266	269	267	263	269	299	92	103	232	210	299	92
27	231	129	104	275	113	101	115	118	18	260	204	286	274	274	269	272	254	113	63	65	99	71	115	97	130	286	18
28	99	105	111	93	106	113	124	100	131	25	240	242	180	187	286	213	244	117	224	236	207	80	143	164	153	286	25
29	89	92	123	100	96	341	0	292	282	267	280	277	276	264	262	273	266	274	272	266	181	71	251	304	278	341	0
30	102	96	108	90	97	24	304	235	249	248	270	242	285	263	263	267	263	276	275	332	41	289	220	232	267	332	24
Avg	102	102	104	100	100	98	96	103	99	261	255	258	257	257	264	267	273	268	268	270	310	99	108	106	167	--	--
Max	256	199	211	275	135	341	314	349	314	326	329	322	334	303	346	347	311	294	284	332	344	320	251	304	--	349	--
Min	77	85	73	79	72	24	0	61	4	25	40	45	97	84	232	198	44	55	61	65	41	16	82	79	--	--	0

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WD_10m"
Month: Apr 2015

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	96	109	96	97	91	98	82	88	126	187	218	220	237	244	260	268	268	272	263	187	104	104	102	102	148	272	82
2	101	93	99	96	97	100	93	101	145	206	224	259	256	280	282	268	274	277	268	257	297	103	101	91	171	297	91
3	97	88	96	90	106	70	69	61	57	53	47	51	96	100	279	271	275	254	265	98	102	91	92	87	79	279	47
4	92	88	89	100	100	83	85	89	134	107	338	255	221	224	214	236	246	267	259	107	95	107	102	95	123	338	83
5	96	105	94	115	94	96	91	87	139	181	172	206	217	224	205	244	242	235	223	163	67	185	228	92	158	244	67
6	108	112	106	109	101	93	88	69	64	278	237	229	220	234	236	239	267	282	276	282	109	106	98	98	149	282	64
7	98	103	103	104	101	109	103	94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	102	109	94
8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	102	102	102	102
15	92	97	95	86	94	104	90	82	262	234	245	244	265	254	260	273	253	259	275	257	246	244	242	249	237	275	82
16	103	86	64	102	122	98	85	301	260	280	262	238	247	263	260	272	260	270	264	206	102	99	99	95	204	301	64
17	97	88	95	100	99	96	89	97	66	261	270	273	275	265	267	280	266	265	257	127	106	108	96	99	120	280	66
18	92	97	90	99	103	99	97	36	314	245	261	270	264	273	275	268	276	269	275	279	103	106	99	102	201	314	36
19	96	98	96	96	96	100	98	88	32	288	260	252	268	268	269	260	271	268	258	165	96	85	77	90	116	288	32
20	84	58	94	93	101	98	95	92	97	270	280	268	284	260	271	242	255	270	279	268	102	77	97	22	75	284	22
21	107	105	95	94	80	72	91	104	155	123	218	238	183	201	229	240	266	246	266	282	117	262	305	94	165	305	72
22	86	103	106	99	98	102	95	98	112	283	194	177	188	228	217	216	235	258	252	248	255	241	238	226	188	283	86
23	92	105	90	94	96	100	89	107	333	11	242	233	236	262	260	261	253	263	261	243	227	222	192	208	215	333	11
24	212	154	29	103	44	80	203	198	203	196	207	193	197	239	218	271	113	282	285	204	103	97	90	53	176	285	29
25	118	97	116	108	115	91	81	112	109	165	197	212	222	214	223	208	244	256	258	277	339	56	144	108	157	339	56
26	136	272	143	158	252	246	209	233	281	258	275	250	258	275	265	291	315	319	215	15	114	105	111	105	242	319	15
27	92	109	91	87	90	80	84	100	1	52	47	29	52	36	28	49	27	252	238	209	109	99	99	94	73	252	1
28	90	93	110	100	85	85	80	74	74	70	104	99	123	126	145	110	98	41	63	76	65	85	86	100	91	145	41
29	65	347	91	73	53	82	64	51	35	42	77	77	59	135	130	147	132	181	180	120	100	90	83	78	88	347	35
30	79	83	107	102	104	105	110	105	91	100	88	177	156	197	279	261	291	277	278	271	109	93	86	83	114	291	79
Avg	99	96	96	100	95	94	94	90	88	224	233	231	226	237	247	253	262	266	259	221	103	108	108	97	131	--	--
Max	212	347	143	158	252	246	209	301	333	288	338	273	284	280	282	291	315	319	285	282	339	262	305	249	--	347	--
Min	65	58	29	73	44	70	64	36	1	11	47	29	52	36	28	49	27	41	63	15	65	56	77	22	--	--	1

-- Indicates Invalid Data

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WD_10m"
Month: May 2015

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	87	84	104	92	110	96	95	86	332	292	288	269	277	282	274	262	286	274	284	287	102	94	100	90	21	332	84
2	101	102	98	103	101	102	95	106	81	130	66	195	252	255	273	252	275	255	249	205	188	7	36	116	135	275	7
3	228	113	105	99	104	92	101	114	135	50	233	241	267	227	217	259	241	245	254	276	252	264	315	99	205	315	50
4	118	82	265	107	114	132	70	93	71	63	87	96	306	275	276	275	224	91	117	129	175	210	98	110	115	306	63
5	77	271	216	88	126	73	149	93	317	226	214	230	226	255	250	276	254	279	267	285	108	99	87	94	209	317	73
6	99	109	96	114	126	92	84	101	62	140	222	189	205	209	238	209	246	251	263	251	238	242	242	238	187	263	62
7	242	110	108	111	95	84	80	293	275	204	204	187	219	217	227	217	211	212	251	242	232	224	232	228	208	293	80
8	212	105	106	111	81	114	96	154	216	252	261	246	273	249	251	263	278	270	271	269	270	263	284	281	243	284	81
9	281	290	256	257	266	76	117	279	248	261	267	264	261	257	269	280	268	271	271	251	5	104	104	100	266	290	5
10	88	87	86	89	91	89	90	111	169	274	246	248	245	254	251	258	254	255	260	235	121	98	99	96	163	274	86
11	102	84	83	79	95	83	100	72	85	99	117	135	160	119	103	204	186	206	194	250	110	113	99	85	116	250	72
12	91	92	110	97	98	89	84	106	126	231	242	222	186	198	203	203	210	210	226	192	186	181	167	202	168	242	84
13	161	117	91	63	105	97	79	90	105	116	99	129	190	185	232	230	243	247	187	112	224	27	116	93	132	247	27
14	101	106	105	99	95	158	163	182	211	211	187	186	214	217	215	223	227	228	260	240	242	250	213	209	196	260	95
15	216	208	210	201	198	196	207	217	207	211	214	216	214	214	201	188	225	330	124	134	60	96	108	305	199	330	60
16	260	84	114	211	206	225	246	256	266	262	265	221	241	237	235	255	261	278	265	228	105	116	111	86	229	278	84
17	92	73	87	115	104	110	109	113	103	113	57	341	258	268	261	264	265	292	286	258	117	112	103	95	107	341	57
18	103	86	104	99	89	86	93	149	209	297	192	220	234	225	240	231	244	283	262	259	251	241	205	122	200	297	86
19	107	90	102	97	92	96	92	94	342	286	256	233	244	267	278	260	275	270	308	269	108	84	86	92	112	342	84
20	84	92	77	99	71	68	90	108	122	138	138	109	161	232	234	270	270	287	280	291	99	264	92	104	119	291	68
21	98	107	98	94	84	94	102	98	256	142	200	215	218	242	229	217	223	248	249	236	204	220	205	126	181	256	84
22	101	102	97	107	96	94	91	75	345	213	220	236	225	240	230	233	269	277	259	299	113	292	88	103	172	345	75
23	91	98	103	104	95	92	101	52	312	277	310	292	232	271	263	254	271	273	280	284	39	105	97	94	7	312	39
24	89	89	84	94	108	94	77	59	97	310	194	220	244	244	240	259	255	285	273	274	103	101	85	94	127	310	59
25	83	85	92	79	100	96	106	163	290	272	279	276	251	274	276	272	282	264	284	246	100	107	88	100	205	290	79
26	96	92	98	95	96	94	116	101	296	130	269	275	270	264	271	237	263	272	299	298	96	99	97	85	124	299	85
27	90	102	102	101	99	92	92	82	119	261	292	285	271	261	270	247	262	267	273	265	107	95	98	91	135	292	82
28	89	80	92	94	104	102	103	47	290	289	276	274	269	274	265	279	276	277	272	221	107	98	94	89	56	290	47
29	89	94	92	99	94	101	89	10	291	279	267	262	266	263	245	252	264	271	275	294	106	94	89	90	269	294	10
30	93	84	96	110	103	108	105	115	310	290	279	267	267	247	257	260	275	270	282	302	107	91	91	88	162	310	84
31	89	103	103	103	100	105	100	28	274	253	260	254	257	252	245	258	261	267	269	308	103	96	97	97	185	308	28
Avg	106	96	103	103	104	100	102	99	263	236	237	233	240	244	246	247	254	264	262	257	130	121	107	105	177	--	--
Max	281	290	265	257	266	225	246	293	345	310	310	341	306	282	278	280	286	330	308	308	270	292	315	305	--	345	--
Min	77	73	77	63	71	68	70	10	62	50	57	96	160	119	103	188	186	91	117	112	5	7	36	85	--	--	5

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WD_10m"
Month: Jun 2015

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	105	102	96	97	84	94	83	109	43	229	255	236	240	243	246	266	274	282	278	277	90	102	96	90	140	282	43
2	86	115	95	101	91	92	102	88	56	185	236	217	259	273	264	257	271	288	284	273	270	106	81	97	156	288	56
3	102	99	96	92	103	82	99	92	152	162	197	226	232	222	258	247	259	274	281	264	269	19	101	91	163	281	19
4	98	97	102	106	100	93	85	121	96	119	162	187	201	230	232	198	267	254	225	153	98	101	99	94	136	267	85
5	103	107	73	96	83	105	101	60	232	44	39	45	97	84	346	346	312	214	248	259	128	119	111	94	84	346	39
6	77	97	78	107	79	100	256	134	280	312	310	322	301	276	283	280	289	279	272	246	137	106	95	108	306	322	77
7	105	102	107	102	97	90	80	290	283	301	282	270	260	227	261	266	288	294	284	281	276	41	102	106	282	301	41
8	106	87	106	80	72	97	111	90	57	47	329	277	251	248	238	238	263	265	268	311	65	163	163	135	124	329	47
9	197	111	211	109	125	118	314	61	59	87	221	262	286	304	266	263	259	116	139	129	5	254	243	246	205	314	5
10	260	109	129	101	123	112	115	97	99	319	276	270	268	266	288	266	281	287	275	268	240	313	107	98	247	319	97
11	106	95	97	88	99	104	100	147	191	266	247	276	237	246	249	274	272	266	282	284	179	99	89	78	184	284	78
12	87	93	87	103	88	109	102	102	81	326	297	274	252	283	269	282	274	273	239	246	64	97	88	90	83	326	64
13	88	101	97	109	95	103	101	77	13	285	279	275	259	269	277	278	280	277	269	267	317	107	94	99	332	317	13
14	88	91	90	103	106	107	85	168	99	281	275	269	254	252	242	278	260	270	268	263	309	111	94	95	191	309	85
15	105	93	93	97	105	101	95	353	315	276	252	257	269	249	255	255	287	253	267	276	294	96	91	100	259	353	91
16	86	95	98	97	106	94	96	112	117	140	142	112	333	285	271	273	265	275	276	273	300	107	91	91	109	333	86
17	96	96	142	103	110	96	98	115	131	199	303	279	276	266	277	278	274	270	265	261	337	100	87	93	164	337	87
18	87	105	91	101	95	109	87	71	291	267	276	260	258	268	274	287	276	271	278	250	61	99	101	107	203	291	61
19	109	98	95	92	101	103	94	125	205	247	281	277	259	254	276	291	265	275	281	279	349	99	84	89	206	349	84
20	92	90	92	91	105	102	84	75	23	287	244	271	246	255	254	259	284	272	266	285	104	98	84	89	102	287	23
21	89	101	101	98	117	104	101	260	243	242	234	251	283	277	261	260	279	264	269	277	297	110	94	92	228	297	89
22	87	86	95	105	94	106	104	142	4	245	299	227	256	239	277	271	275	268	271	276	309	108	108	111	199	309	4
23	106	103	96	106	90	103	101	108	160	274	254	264	259	265	261	270	269	272	270	273	296	110	107	101	192	296	90
24	95	105	103	84	143	100	111	104	114	113	128	119	203	263	241	268	45	55	61	96	120	96	102	98	108	268	45
25	111	115	101	110	99	99	87	105	106	85	89	224	250	242	249	271	255	261	270	272	267	199	206	182	176	272	85
26	115	199	133	102	106	105	106	167	207	226	188	273	250	263	264	266	269	267	264	269	300	90	102	258	212	300	90
27	231	129	134	273	101	101	114	117	12	261	205	286	274	273	269	272	254	113	63	65	100	70	115	97	136	286	12
28	99	105	111	93	106	113	124	100	132	25	240	242	180	188	287	213	251	117	224	236	203	33	142	138	150	287	25
29	97	93	121	99	96	318	352	296	282	267	280	277	276	264	262	273	266	274	272	266	180	76	250	304	276	352	76
30	101	100	109	95	96	49	302	234	249	248	270	242	285	263	263	267	263	276	275	332	20	294	222	231	267	332	20
Avg	102	103	104	99	100	99	95	107	100	261	255	258	257	257	265	267	273	268	268	268	320	97	108	105	167	--	--
Max	260	199	211	273	143	318	352	353	315	326	329	322	333	304	346	346	312	294	284	332	349	313	250	304	--	353	--
Min	77	86	73	80	72	49	80	60	4	25	39	45	97	84	232	198	45	55	61	65	5	19	81	78	--	--	4

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, DeltaT"
Month: Apr 2015

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	2.39	2.70	1.68	2.44	2.69	2.17	1.36	0.06	-0.37	-0.88	-1.27	-1.52	-1.61	-1.48	-1.33	-1.15	-0.91	-0.41	0.43	2.64	1.07	0.82	2.74	3.07	0.64	3.07	-1.61
2	2.96	2.03	1.91	2.26	2.03	1.72	1.51	0.08	-0.24	-0.67	-1.10	-1.02	-1.43	-1.34	-1.27	-1.09	-0.86	-0.41	0.40	2.39	4.28	2.23	1.18	2.39	0.75	4.28	-1.43
3	2.11	3.17	2.62	2.00	2.19	0.29	0.15	0.00	-0.24	-0.46	-0.79	-0.98	-1.27	-1.25	-1.17	-1.11	-0.84	-0.46	1.03	2.91	2.14	2.81	2.93	2.82	0.78	3.17	-1.27
4	2.78	2.16	2.69	2.61	2.08	2.84	3.23	0.44	-0.45	-0.77	-0.97	-1.23	-1.39	-1.39	-1.21	-1.07	-0.54	-0.08	1.46	2.56	1.89	2.55	2.05	1.32	0.90	3.23	-1.39
5	1.76	2.53	2.59	2.57	2.99	3.30	2.83	0.10	-0.26	-0.82	-1.23	-1.43	-1.69	-1.53	-1.35	-1.22	-0.78	-0.18	0.64	3.17	4.17	1.80	0.91	1.51	0.85	4.17	-1.69
6	2.62	2.28	2.39	1.93	2.45	2.65	1.79	0.07	-0.35	-0.73	-1.31	-1.35	-1.52	-1.68	-1.56	-1.44	-0.93	-0.37	0.50	2.57	1.65	1.82	2.78	3.05	0.72	3.05	-1.68
7	2.88	2.19	1.95	2.13	2.44	2.31	1.55	0.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.94	2.88	0.07
8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.40	1.40	1.40	1.40
15	2.17	2.24	2.74	2.23	1.50	1.86	1.43	0.04	-0.47	-1.11	-1.34	-1.52	-1.57	-1.60	-1.47	-1.22	-0.99	-0.55	0.04	0.64	0.52	0.50	0.69	0.84	0.23	2.74	-1.60
16	1.59	1.28	0.69	1.84	2.56	1.89	0.51	-0.06	-0.47	-0.88	-1.31	-1.67	-1.80	-1.62	-1.64	-1.42	-1.19	-0.70	0.02	1.96	1.72	2.87	2.60	2.11	0.37	2.87	-1.80
17	2.33	2.65	2.11	1.69	1.64	1.04	0.40	-0.30	-0.46	-0.87	-1.21	-1.40	-1.49	-1.71	-1.57	-1.36	-1.10	-0.72	0.21	2.19	1.70	2.50	2.49	2.52	0.47	2.65	-1.71
18	1.97	1.69	2.21	1.84	1.79	2.45	1.46	-0.25	-0.54	-0.81	-1.28	-1.48	-1.52	-1.54	-1.47	-1.30	-0.99	-0.57	0.08	2.76	1.77	2.47	2.69	2.61	0.58	2.76	-1.54
19	2.29	2.53	2.19	1.90	2.30	2.19	0.95	-0.25	-0.46	-0.65	-0.99	-1.51	-1.47	-1.56	-1.40	-1.43	-1.01	-0.60	0.22	2.83	1.68	2.81	2.93	1.40	0.62	2.93	-1.56
20	1.34	2.24	2.56	2.99	3.00	2.83	1.49	-0.37	-0.51	-0.77	-0.84	-1.28	-1.29	-1.42	-1.37	-1.31	-1.08	-0.59	0.36	3.35	2.28	2.70	2.19	3.06	0.82	3.35	-1.42
21	2.03	2.21	2.67	2.49	2.39	2.40	1.85	-0.29	-0.53	-0.96	-1.15	-1.22	-1.40	-1.64	-1.53	-1.44	-1.03	-0.47	0.67	3.11	2.35	2.77	2.51	2.68	0.77	3.11	-1.64
22	3.52	2.23	2.37	1.72	2.74	1.93	0.45	-0.48	-0.68	-0.73	-1.38	-1.50	-1.61	-1.65	-1.58	-1.53	-1.11	-0.61	0.01	0.58	2.06	0.91	0.44	0.39	0.27	3.52	-1.65
23	1.04	1.54	1.84	1.72	1.85	1.36	0.71	-0.47	-0.43	-0.89	-1.41	-1.57	-1.66	-1.72	-1.52	-1.35	-1.16	-0.75	-0.11	0.37	0.10	0.35	0.51	0.24	-0.06	1.85	-1.72
24	0.45	1.12	2.01	1.22	1.39	1.48	0.32	-0.27	-0.60	-0.88	-1.19	-1.35	-1.11	-1.42	-0.76	-0.62	-0.78	-0.62	0.02	1.86	1.33	1.61	1.14	1.45	0.24	2.01	-1.42
25	2.09	2.15	1.61	1.95	1.49	1.71	0.72	-0.48	-0.66	-1.03	-1.23	-1.45	-1.68	-1.65	-1.30	-0.99	-0.40	-0.12	-0.05	0.21	0.25	0.52	0.37	-0.03	0.08	2.15	-1.68
26	0.04	0.19	0.19	0.17	0.24	0.23	0.13	0.01	-0.21	-0.30	-0.30	-0.60	-0.39	-0.45	-0.36	-0.29	-0.67	-0.14	0.30	0.89	0.60	0.59	0.51	0.64	0.04	0.89	-0.67
27	1.09	1.08	1.09	0.90	0.88	1.20	0.15	-0.49	-0.46	-0.66	-0.88	-1.09	-1.17	-1.09	-1.19	-0.88	-0.79	-0.65	-0.01	1.46	1.55	2.06	1.18	0.77	0.17	2.06	-1.19
28	0.92	0.56	1.47	1.70	0.81	0.37	0.08	-0.33	-0.51	-0.67	-1.29	-1.34	-1.50	-1.48	-1.54	-0.79	-0.98	-0.50	0.08	0.24	0.44	0.97	1.11	1.36	-0.03	1.70	-1.54
29	0.69	2.50	2.46	1.72	0.44	1.00	0.09	-0.31	-0.55	-0.76	-1.08	-1.19	-1.03	-1.58	-1.44	-1.48	-1.14	-0.63	0.38	2.97	3.01	2.69	1.06	3.08	0.45	3.08	-1.58
30	2.85	2.42	1.99	2.62	2.38	1.08	0.22	-0.47	-0.78	-1.11	-1.18	-1.28	-1.27	-1.24	-1.36	-1.20	-0.96	-0.51	0.26	2.67	2.40	2.35	2.32	2.35	0.61	2.85	-1.36
Avg	1.91	1.99	2.00	1.94	1.92	1.75	1.02	-0.17	-0.46	-0.79	-1.12	-1.32	-1.40	-1.46	-1.34	-1.17	-0.92	-0.48	0.32	2.02	1.77	1.85	1.70	1.78	0.49	--	--
Max	3.52	3.17	2.74	2.99	3.00	3.30	3.23	0.44	-0.21	-0.30	-0.30	-0.60	-0.39	-0.45	-0.36	-0.29	-0.40	-0.08	1.46	3.35	4.28	2.87	2.93	3.08	--	4.28	--
Min	0.04	0.19	0.19	0.17	0.24	0.23	0.08	-0.49	-0.78	-1.11	-1.41	-1.67	-1.80	-1.72	-1.64	-1.53	-1.19	-0.75	-0.11	0.21	0.10	0.35	0.37	-0.03	--	--	-1.80

-- Indicates Invalid Data

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, DeltaT"
Month: May 2015

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	2.25	2.17	2.59	2.55	1.71	2.45	0.80	-0.58	-0.46	-0.65	-1.00	-1.01	-1.20	-1.23	-1.31	-1.29	-0.93	-0.38	0.17	2.38	2.71	2.02	1.93	1.85	0.65	2.71	-1.31
2	2.81	2.91	2.29	2.28	2.09	1.33	1.07	-0.39	-0.47	-0.86	-0.72	-1.10	-1.35	-1.47	-1.42	-1.36	-1.00	-0.69	0.16	2.83	0.89	1.18	3.20	1.81	0.59	3.20	-1.47
3	1.23	1.45	1.28	1.79	1.64	1.88	0.26	-0.39	-0.63	-0.94	-1.30	-1.48	-1.21	-1.40	-1.48	-1.02	-1.17	-0.75	0.03	1.24	1.31	0.45	0.20	0.29	0.05	1.88	-1.48
4	0.29	0.36	0.42	0.36	0.45	0.76	0.24	-0.08	-0.32	-0.43	-0.69	-1.06	-0.99	-0.82	-1.10	-0.80	0.64	0.21	0.21	0.33	0.61	0.88	0.39	0.46	0.01	0.88	-1.10
5	0.53	0.52	0.67	0.19	0.54	0.40	0.15	-0.28	-0.47	-0.71	-1.17	-0.88	-0.97	-0.80	-0.95	-1.03	-1.08	-0.71	-0.13	1.76	1.13	1.26	1.08	1.04	0.00	1.76	-1.17
6	0.94	0.77	0.68	0.89	1.63	1.07	0.27	-0.60	-0.56	-0.67	-0.85	-0.97	-1.46	-1.27	-1.34	-1.25	-0.94	-0.66	-0.12	0.35	0.42	1.12	1.46	0.52	-0.02	1.63	-1.46
7	0.41	1.37	1.97	1.49	1.51	1.39	-0.02	-0.19	-0.57	-1.10	-1.34	-1.34	-1.65	-1.49	-1.64	-1.58	-1.02	-0.68	-0.27	0.17	0.29	0.36	0.24	0.42	-0.14	1.97	-1.65
8	0.80	2.08	1.70	0.71	0.76	1.73	0.47	-0.52	-0.93	-1.16	-1.55	-1.11	-1.13	-1.41	-1.11	-1.33	-0.57	-0.35	-0.16	0.10	0.16	0.20	0.00	0.08	-0.11	2.08	-1.55
9	0.05	0.18	0.25	0.22	1.05	1.68	-0.25	-0.33	-0.75	-1.05	-1.34	-1.53	-1.72	-1.52	-1.63	-1.48	-1.25	-0.89	-0.34	0.98	2.21	0.68	1.94	1.68	-0.13	2.21	-1.72
10	1.11	0.87	1.57	1.78	1.67	1.66	-0.25	-0.65	-0.65	-1.09	-1.26	-1.44	-1.75	-1.57	-1.62	-1.56	-1.25	-0.90	-0.28	1.36	1.97	1.76	2.54	2.45	0.19	2.54	-1.75
11	1.56	2.33	2.16	2.25	1.39	1.37	0.24	-0.37	-0.78	-1.02	-1.52	-1.34	-1.52	-1.46	-1.42	-1.05	-0.93	-0.66	-0.04	2.58	1.51	2.87	2.14	2.53	0.45	2.87	-1.52
12	1.99	2.57	3.19	3.17	2.61	2.83	0.59	-0.63	-0.58	-0.84	-0.92	-0.79	-0.73	-0.91	-0.74	-0.46	-0.56	-0.16	-0.02	0.45	0.43	0.39	0.39	0.39	0.49	3.19	-0.92
13	0.51	1.60	2.44	3.19	3.16	1.71	0.00	-0.57	-0.96	-1.24	-1.27	-1.33	-1.25	-1.57	-1.65	-0.98	-0.89	-0.69	-0.12	0.18	1.63	1.48	1.88	2.35	0.32	3.19	-1.65
14	1.14	0.47	1.47	0.99	1.46	1.08	0.15	-0.34	-0.40	-0.71	-1.26	-1.54	-1.78	-1.79	-1.61	-1.28	-0.93	-0.43	-0.12	0.09	0.10	0.16	0.10	0.05	-0.21	1.47	-1.79
15	0.01	-0.03	0.02	0.15	0.16	0.21	-0.15	-0.41	-0.51	-0.76	-1.29	-1.38	-1.45	-1.01	-1.39	-0.75	-0.09	-0.28	-0.36	0.22	0.18	0.08	0.13	-0.02	-0.36	0.22	-1.45
16	-0.01	0.01	0.12	0.30	0.14	0.07	-0.02	-0.23	-0.33	-0.43	-0.30	-0.93	-1.15	-1.15	-1.26	-1.25	-1.07	-0.77	-0.28	1.27	1.10	1.16	0.81	0.64	-0.15	1.27	-1.26
17	0.40	0.35	0.68	0.34	0.25	0.41	0.13	-0.57	-0.90	-1.00	-0.95	-1.00	-1.15	-1.39	-1.34	-1.18	-0.99	-0.71	-0.03	2.20	1.57	2.05	1.73	1.66	0.02	2.20	-1.39
18	0.99	1.76	1.40	1.00	1.30	1.95	-0.03	-0.31	-0.55	-0.81	-1.08	-1.22	-1.12	-0.94	-0.79	-1.08	-0.85	-0.33	-0.14	0.16	0.33	0.85	1.16	1.73	0.14	1.95	-1.22
19	1.71	1.82	1.92	1.71	1.88	1.73	-0.11	-0.55	-0.64	-0.86	-1.13	-1.18	-1.41	-1.39	-1.36	-1.26	-1.10	-0.78	-0.13	2.15	2.19	2.81	2.00	1.91	0.41	2.81	-1.41
20	2.03	1.80	1.81	1.99	1.68	2.50	0.56	-0.58	-0.69	-0.96	-1.32	-1.22	-1.15	-1.25	-1.15	-1.01	-0.49	-0.14	0.26	2.17	1.77	1.35	2.01	1.71	0.49	2.50	-1.32
21	1.72	1.04	2.07	1.30	1.00	0.72	0.35	-0.11	-0.17	-0.95	-1.15	-1.41	-1.31	-1.37	-1.34	-1.14	-1.01	-0.69	-0.23	0.32	0.93	1.91	1.79	1.78	0.17	2.07	-1.41
22	1.84	2.01	2.17	1.04	1.51	0.71	-0.04	-0.26	-0.40	-1.10	-1.43	-1.43	-1.58	-1.69	-1.45	-1.14	-0.65	-0.78	-0.01	0.05	0.78	2.02	2.01	0.66	0.12	2.17	-1.69
23	1.45	0.85	1.44	1.17	1.34	1.39	-0.33	-0.52	-0.73	-0.94	-1.05	-1.21	-1.35	-1.42	-1.40	-1.45	-1.20	-0.89	-0.34	1.30	2.59	1.29	1.21	1.65	0.12	2.59	-1.45
24	2.22	1.28	1.41	1.48	1.65	1.10	-0.11	-0.59	-0.59	-0.86	-1.14	-1.39	-1.17	-1.26	-0.85	-1.21	-1.16	-0.84	-0.33	1.71	2.68	0.84	2.05	1.97	0.29	2.68	-1.39
25	2.29	1.79	1.78	2.16	1.44	0.87	-0.37	-0.49	-0.57	-0.86	-1.13	-1.25	-1.52	-1.36	-1.36	-1.33	-1.11	-0.85	-0.27	1.41	2.15	1.26	2.15	1.75	0.28	2.29	-1.52
26	2.00	1.59	1.04	2.07	2.39	2.05	-0.11	-0.76	-0.52	-0.70	-1.12	-1.34	-1.22	-1.23	-1.21	-1.07	-0.73	-0.25	-0.09	2.06	2.72	1.93	1.41	2.04	0.46	2.72	-1.34
27	1.06	1.58	1.53	1.93	1.40	1.07	0.47	-0.35	-0.35	-0.33	-0.49	-1.12	-1.27	-1.34	-1.28	-1.16	-0.58	-0.22	0.30	2.84	2.27	1.69	1.34	1.81	0.45	2.84	-1.34
28	2.64	2.39	2.33	2.47	2.34	1.73	0.07	-0.38	-0.34	-0.84	-1.06	-0.96	-1.15	-1.26	-1.33	-1.21	-1.15	-0.74	-0.12	2.70	2.19	2.06	1.46	1.94	0.57	2.70	-1.33
29	2.09	2.38	1.98	2.26	2.48	1.29	0.14	-0.29	-0.48	-0.77	-1.08	-1.30	-1.26	-1.31	-1.28	-1.18	-0.98	-0.74	-0.08	2.92	3.03	2.42	1.66	2.34	0.59	3.03	-1.31
30	2.20	2.71	1.93	2.60	1.95	2.16	0.53	-0.46	-0.33	-0.62	-0.86	-1.18	-1.26	-1.38	-1.36	-1.23	-0.97	-0.55	0.03	2.64	2.48	2.45	1.12	2.49	0.63	2.71	-1.38
31	2.37	2.35	2.53	2.27	2.01	1.93	0.24	-0.30	-0.09	-0.65	-1.11	-1.05	-1.35	-1.25	-1.29	-1.21	-1.08	-0.68	-0.09	2.58	2.63	2.80	1.73	2.78	0.67	2.80	-1.35
Avg	1.38	1.46	1.58	1.55	1.50	1.39	0.16	-0.42	-0.54	-0.84	-1.09	-1.21	-1.31	-1.31	-1.30	-1.17	-0.87	-0.58	-0.09	1.40	1.52	1.41	1.39	1.44	0.23	--	--
Max	2.81	2.91	3.19	3.19	3.16	2.83	1.07	-0.08	-0.09	-0.33	-0.30	-0.79	-0.73	-0.80	-0.74	-0.46	0.64	0.21	0.30	2.92	3.03	2.87	3.20	2.78	--	3.20	--
Min	-0.01	-0.03	0.02	0.15	0.14	0.07	-0.37	-0.76	-0.96	-1.24	-1.55	-1.54	-1.78	-1.79	-1.65	-1.58	-1.25	-0.90	-0.36	0.05	0.10	0.08	0.00	-0.02	--	--	-1.79

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, DeltaT"
Month: Jun 2015

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	1.34	2.61	2.20	2.48	2.54	2.17	0.11	-0.59	-0.44	-0.74	-1.03	-1.24	-1.34	-1.34	-1.36	-1.26	-1.03	-0.72	-0.08	2.89	4.49	1.45	1.00	2.55	0.61	4.49	-1.36
2	2.43	2.47	2.85	2.31	2.70	2.45	0.62	-0.63	-0.69	-0.78	-1.01	-1.19	-1.20	-1.23	-1.34	-1.30	-1.08	-0.69	-0.16	0.99	3.94	1.71	2.67	2.57	0.68	3.94	-1.34
3	3.10	2.63	2.92	2.98	2.56	2.75	0.09	-0.60	-0.69	-0.83	-1.15	-1.18	-1.27	-1.41	-1.50	-1.27	-1.13	-0.75	-0.17	1.09	2.59	4.00	2.04	2.17	0.71	4.00	-1.50
4	2.91	2.74	2.46	2.59	1.86	2.58	0.64	-0.60	-0.80	-0.91	-0.83	-0.70	-0.73	-0.52	-0.20	0.21	0.06	0.14	0.11	0.20	0.01	0.15	0.09	0.21	0.49	2.91	-0.91
5	0.22	0.25	0.23	0.36	0.78	0.76	0.37	0.05	-0.05	0.06	-0.37	-0.40	-0.29	-0.27	-0.31	-0.20	-0.30	-0.18	0.27	0.99	1.02	1.02	0.91	1.13	0.25	1.13	-0.40
6	0.72	0.51	0.67	0.71	0.76	0.33	0.47	-0.08	0.01	-0.07	-0.10	-0.64	-0.80	-0.96	-1.04	-1.04	-0.82	-0.61	-0.06	2.56	2.39	2.07	2.10	1.70	0.37	2.56	-1.04
7	1.78	1.37	1.57	1.55	0.94	1.91	0.07	-0.16	-0.17	-0.62	-0.89	-1.06	-1.21	-1.33	-1.21	-1.10	-0.96	-0.74	-0.14	2.21	3.24	2.10	2.09	1.98	0.47	3.24	-1.33
8	1.09	1.63	2.54	1.77	1.98	1.01	0.35	0.48	-0.19	-0.17	-0.81	-1.00	-0.80	-0.88	-0.60	-0.37	-0.47	0.02	0.47	1.46	1.86	0.99	0.81	1.19	0.52	2.54	-1.00
9	1.74	1.35	0.58	0.19	0.24	0.54	0.09	-0.09	-0.19	-0.27	-0.42	-0.25	-0.77	-0.70	-0.69	-0.62	-0.49	0.09	-0.15	0.59	0.65	0.97	0.66	1.07	0.17	1.74	-0.77
10	0.80	0.22	0.34	0.11	0.26	0.36	-0.24	-0.41	-0.50	-0.49	-0.62	-0.99	-1.15	-1.14	-0.91	-1.35	-0.96	-0.90	-0.40	0.33	1.06	1.78	1.27	0.91	-0.11	1.78	-1.35
11	0.70	1.13	0.93	1.13	0.79	0.44	-0.14	-0.39	-0.66	-0.77	-1.14	-1.14	-1.39	-1.49	-1.55	-1.15	-1.10	-0.73	-0.25	0.91	3.18	1.62	1.84	1.90	0.11	3.18	-1.55
12	1.55	1.20	1.23	1.35	2.20	1.40	-0.13	-0.47	-0.57	-0.64	-1.03	-1.14	-1.38	-1.30	-1.24	-1.09	-1.05	-0.71	-0.20	1.19	2.83	1.62	2.84	2.96	0.39	2.96	-1.38
13	1.44	1.92	2.10	1.87	2.02	1.61	0.03	-0.48	-0.48	-0.61	-1.04	-1.18	-1.30	-1.39	-1.23	-1.31	-1.08	-0.77	-0.27	0.64	2.43	2.58	2.39	1.99	0.41	2.58	-1.39
14	1.59	1.30	1.89	1.88	2.25	1.20	-0.08	-0.31	-0.59	-0.76	-1.02	-1.35	-1.41	-1.44	-1.37	-1.34	-1.08	-0.78	-0.29	0.59	2.63	2.14	2.04	1.55	0.30	2.63	-1.44
15	1.95	1.78	2.19	2.48	2.14	2.29	0.05	-0.26	-0.36	-0.83	-0.93	-1.23	-1.13	-1.52	-1.44	-1.39	-1.06	-0.79	-0.18	1.04	3.50	2.12	1.66	2.34	0.52	3.50	-1.52
16	0.99	2.25	2.27	3.53	3.68	2.47	0.15	-0.37	-0.62	-0.72	-0.83	-1.02	-0.94	-1.22	-1.24	-1.29	-1.11	-0.76	-0.23	0.59	3.08	2.14	1.71	2.28	0.62	3.68	-1.29
17	1.98	2.86	3.99	2.63	2.66	2.53	0.67	-0.46	-0.75	-0.63	-0.68	-1.03	-1.15	-1.46	-1.35	-1.25	-1.05	-0.74	-0.12	0.67	3.40	2.39	2.43	1.52	0.71	3.99	-1.46
18	2.57	3.19	3.40	2.61	2.44	1.97	0.55	-0.25	-0.34	-0.79	-1.00	-1.27	-1.47	-1.44	-1.29	-1.28	-1.04	-0.75	-0.12	1.24	3.21	1.88	1.79	2.85	0.70	3.40	-1.47
19	2.65	2.87	1.94	1.96	2.50	2.32	0.17	-0.21	-0.30	-0.51	-0.96	-1.20	-1.26	-1.35	-1.33	-1.22	-0.97	-0.51	-0.09	0.91	4.26	2.50	3.27	3.16	0.78	4.26	-1.35
20	2.92	2.77	3.14	2.79	2.96	2.75	0.69	-0.29	-0.52	-0.54	-1.12	-1.10	-1.37	-1.36	-1.43	-1.28	-1.11	-0.77	-0.16	2.78	3.11	2.85	3.69	3.58	0.96	3.69	-1.43
21	2.68	2.45	1.97	2.24	2.58	2.23	0.31	-0.39	-0.66	-0.96	-1.10	-1.30	-1.39	-1.42	-1.52	-1.42	-1.14	-0.82	-0.29	0.32	1.61	2.61	1.27	1.74	0.40	2.68	-1.52
22	1.94	1.76	1.79	2.10	1.81	2.21	0.42	-0.30	-0.51	-0.54	-0.87	-1.14	-1.51	-1.49	-1.33	-1.33	-1.15	-0.78	-0.23	0.60	2.24	2.36	1.88	1.75	0.40	2.36	-1.51
23	1.09	2.02	1.59	1.94	1.81	1.07	0.26	-0.47	-0.49	-0.77	-1.09	-1.26	-1.35	-1.42	-1.54	-1.37	-1.14	-0.76	-0.24	0.60	2.72	1.73	1.43	1.57	0.25	2.72	-1.54
24	1.72	1.51	1.85	2.01	2.74	1.72	0.42	-0.37	-0.72	-0.84	-1.29	-1.13	-1.28	-1.23	-1.32	-1.27	-0.63	-0.28	-0.19	0.36	0.72	0.29	0.18	0.30	0.14	2.74	-1.32
25	0.41	0.66	1.18	1.43	1.68	1.36	-0.01	-0.72	-0.81	-0.94	-1.14	-1.58	-1.53	-1.51	-1.67	-1.41	-1.32	-0.90	-0.22	0.16	0.68	1.98	1.04	0.50	-0.11	1.98	-1.67
26	0.90	0.52	1.27	2.04	1.67	1.33	0.11	-0.51	-0.84	-1.01	-1.31	-1.24	-1.36	-1.42	-1.56	-1.49	-1.23	-0.46	-0.28	0.57	2.04	2.46	0.91	1.11	0.09	2.46	-1.56
27	0.52	0.58	1.58	1.82	1.99	1.19	0.30	-0.41	-0.75	-0.81	-1.20	-1.28	-1.60	-1.50	-1.61	-1.46	-1.30	-0.98	-0.02	0.31	0.58	0.66	0.40	0.53	-0.10	1.99	-1.61
28	0.40	0.83	0.75	1.28	1.22	0.91	0.11	-0.34	-0.61	-0.66	-0.65	-0.90	-1.23	-1.13	-0.81	-0.77	-0.19	-0.10	-0.14	0.36	0.81	1.29	1.26	1.26	0.12	1.29	-1.23
29	1.22	1.12	1.46	1.04	0.94	1.40	0.25	-0.26	-0.52	-0.83	-1.10	-1.29	-1.40	-1.00	-1.20	-0.67	-0.37	-0.22	-0.01	0.59	0.25	0.85	1.00	1.22	0.10	1.46	-1.40
30	1.24	1.46	1.59	1.26	1.40	1.02	0.34	-0.36	-0.71	-0.98	-1.11	-1.10	-1.45	-1.51	-1.47	-1.04	-0.82	-0.36	0.15	1.55	1.15	1.42	0.98	0.39	0.13	1.59	-1.51
Avg	1.55	1.67	1.81	1.81	1.87	1.61	0.24	-0.34	-0.52	-0.67	-0.93	-1.08	-1.22	-1.25	-1.22	-1.10	-0.90	-0.58	-0.12	0.98	2.19	1.79	1.59	1.67	0.37	--	--
Max	3.10	3.19	3.99	3.53	3.68	2.75	0.69	0.48	0.01	0.06	-0.10	-0.25	-0.29	-0.27	-0.20	0.21	0.06	0.14	0.47	2.89	4.49	4.00	3.69	3.58	--	4.49	--
Min	0.22	0.22	0.23	0.11	0.24	0.33	-0.24	-0.72	-0.84	-1.01	-1.31	-1.58	-1.60	-1.52	-1.67	-1.49	-1.32	-0.98	-0.40	0.16	0.01	0.15	0.09	0.21	--	--	-1.67

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, Temp_2m_C"
Month: Apr 2015

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	14.8	13.6	12.7	11.5	10.8	10.4	11.7	16.9	22.7	24.9	26.1	27.4	28.4	29.1	29.2	29.2	28.9	27.9	25.7	20.0	17.0	15.7	12.5	10.8	19.9	29.2	10.4
2	9.6	8.6	7.9	8.0	7.9	7.7	8.6	13.9	19.2	22.7	24.5	24.8	26.2	26.8	27.1	26.8	26.7	25.7	23.8	20.3	15.8	14.1	13.4	11.4	17.6	27.1	7.7
3	10.7	9.0	7.8	8.0	13.0	17.0	16.8	17.3	18.6	20.4	22.8	24.7	26.0	27.1	27.6	28.0	27.6	26.5	23.1	17.3	15.3	13.4	11.9	10.6	18.4	28.0	7.8
4	9.9	9.9	8.5	7.6	7.5	6.4	7.5	14.9	22.1	25.3	27.0	28.2	29.2	29.7	29.2	28.7	27.7	26.6	23.7	18.6	16.8	14.2	13.5	13.5	18.6	29.7	6.4
5	11.8	11.4	9.3	9.2	7.1	6.2	7.1	13.9	20.5	23.9	25.3	26.5	27.9	28.3	28.6	28.8	28.2	26.9	25.2	18.3	15.2	18.0	20.6	14.7	18.9	28.8	6.2
6	10.4	9.1	6.9	6.5	6.2	5.4	6.6	13.1	19.3	22.2	23.9	24.9	26.0	26.9	27.2	27.4	26.7	25.6	23.2	19.1	14.5	12.7	10.5	8.9	16.8	27.4	5.4
7	7.5	5.9	5.0	4.1	3.0	2.9	4.3	12.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.6	12.2	2.9
8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14.3	14.3	14.3	14.3
15	11.9	10.4	9.0	9.8	10.2	8.6	9.5	16.3	21.4	23.2	24.1	25.1	25.7	25.9	25.9	25.5	25.0	23.6	21.7	19.7	18.7	17.3	15.7	14.4	18.3	25.9	8.6
16	9.0	9.9	11.8	9.8	7.7	8.3	6.7	11.1	13.8	15.5	17.1	18.1	18.7	19.2	19.6	19.7	19.6	19.1	17.6	14.2	10.7	7.7	6.8	6.2	13.2	19.7	6.2
17	4.9	3.7	3.7	2.9	2.4	2.9	5.7	11.6	16.4	18.5	19.9	20.8	21.7	22.5	23.0	23.1	23.1	22.5	20.7	16.6	13.9	11.4	9.4	8.9	13.8	23.1	2.4
18	8.8	7.7	6.4	7.1	5.3	5.4	7.1	14.6	19.8	22.1	23.8	25.1	26.0	26.8	27.4	27.7	27.9	27.1	25.6	20.5	16.3	13.9	11.8	10.6	17.3	27.9	5.3
19	9.9	8.4	7.5	7.5	7.4	6.2	8.8	16.0	21.5	24.0	25.9	27.4	28.4	29.2	29.6	30.0	29.5	28.8	27.0	20.9	17.7	15.3	14.2	14.6	19.0	30.0	6.2
20	14.3	14.5	12.0	10.0	8.9	7.3	9.8	17.6	22.9	25.2	26.6	28.3	29.4	30.1	30.5	30.6	30.3	29.4	27.2	20.8	17.4	16.1	16.3	16.4	20.5	30.6	7.3
21	14.4	11.3	9.9	9.1	9.5	9.9	10.2	16.8	22.0	24.9	26.0	27.0	27.9	28.8	29.0	29.1	28.7	27.7	25.0	20.6	17.2	18.6	17.5	13.6	19.8	29.1	9.1
22	12.4	11.4	10.0	9.4	7.4	7.3	9.8	16.0	20.5	22.4	24.4	25.6	26.6	27.5	27.5	28.0	27.4	26.9	25.6	23.5	19.8	21.0	21.0	19.6	19.6	28.0	7.3
23	15.7	12.6	11.3	10.1	8.5	8.1	10.4	16.4	19.7	21.9	23.7	24.6	25.1	25.5	25.9	26.0	25.8	25.0	23.3	21.8	21.5	19.9	18.6	17.9	19.1	26.0	8.1
24	16.1	14.1	10.9	10.5	9.8	9.7	14.2	14.9	15.8	17.1	17.9	18.6	19.6	21.2	20.2	20.9	20.7	21.7	20.7	16.7	14.7	13.6	12.8	12.1	16.0	21.7	9.7
25	10.5	9.5	9.2	8.3	8.4	7.2	9.5	15.1	17.4	19.1	20.4	21.8	23.1	24.1	24.5	24.5	23.5	22.2	21.6	18.2	16.5	14.2	13.1	11.8	16.4	24.5	7.2
26	11.5	10.7	10.9	11.4	11.2	10.5	11.0	10.8	11.0	11.8	12.9	14.6	15.1	16.1	17.2	16.8	18.5	16.5	16.0	15.0	13.7	12.9	13.1	11.6	13.4	18.5	10.5
27	9.8	8.5	7.9	7.7	7.4	7.1	9.5	14.4	17.9	20.5	21.9	23.3	25.0	26.0	26.8	26.8	27.3	26.6	24.7	21.4	17.9	15.8	15.2	15.0	17.7	27.3	7.1
28	14.3	14.4	13.4	15.8	17.7	17.7	18.6	20.2	21.7	23.2	25.4	26.7	27.9	28.7	29.4	28.7	29.2	28.5	26.6	25.3	23.3	22.1	21.3	20.4	22.5	29.4	13.4
29	20.8	17.7	14.9	15.8	19.4	18.0	19.9	21.8	23.4	25.3	27.1	28.4	29.3	30.4	31.0	31.6	31.6	30.9	29.0	22.0	18.8	17.0	17.7	14.5	23.2	31.6	14.5
30	13.9	13.6	14.0	14.2	15.0	15.9	17.8	24.7	27.7	29.6	30.8	31.9	32.8	33.6	34.3	34.4	34.0	33.0	30.9	26.2	21.6	20.0	19.1	17.6	24.4	34.4	13.6
Avg	11.9	10.7	9.6	9.3	9.2	9.0	10.5	15.7	19.8	22.0	23.5	24.7	25.7	26.5	26.9	26.9	26.7	25.9	24.0	19.9	17.0	15.7	14.8	13.5	18.2	--	--
Max	20.8	17.7	14.9	15.8	19.4	18.0	19.9	24.7	27.7	29.6	30.8	31.9	32.8	33.6	34.3	34.4	34.0	33.0	30.9	26.2	23.3	22.1	21.3	20.4	--	34.4	--
Min	4.9	3.7	3.7	2.9	2.4	2.9	4.3	10.8	11.0	11.8	12.9	14.6	15.1	16.1	17.2	16.8	18.5	16.5	16.0	14.2	10.7	7.7	6.8	6.2	--	--	2.4

-- Indicates Invalid Data

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, Temp_2m_C"
Month: May 2015

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	16.4	15.5	13.6	13.0	12.4	11.7	15.4	22.4	27.4	29.7	31.4	32.4	33.8	34.6	35.2	35.4	34.7	33.5	31.9	27.2	21.7	20.3	19.0	17.5	24.4	35.4	11.7
2	15.6	14.3	13.6	12.7	12.6	13.7	15.5	20.9	26.0	28.2	28.8	30.6	32.0	32.5	33.0	33.1	32.8	32.3	30.7	25.7	27.8	26.3	21.6	21.9	24.3	33.1	12.6
3	23.7	20.6	17.5	15.4	14.7	14.9	17.7	22.0	25.8	27.5	29.3	29.9	30.2	31.4	31.7	31.2	31.8	31.1	29.3	26.4	25.3	25.7	24.3	22.4	25.0	31.8	14.7
4	19.2	17.7	17.4	16.5	16.1	15.3	17.4	18.8	20.5	21.7	22.7	22.5	24.6	25.0	26.2	25.9	18.8	15.7	16.3	16.6	15.9	16.4	15.4	15.4	19.1	26.2	15.3
5	15.1	15.3	14.6	15.0	14.9	14.9	15.4	17.4	19.0	20.3	21.6	21.4	22.4	22.9	24.2	25.2	25.7	25.4	24.2	20.6	18.3	16.9	16.3	15.5	19.3	25.7	14.6
6	15.2	15.0	15.2	14.5	13.1	12.7	14.9	19.1	21.7	22.9	23.9	24.8	26.6	27.1	27.9	28.3	28.1	27.9	26.7	24.8	23.1	21.0	19.6	19.9	21.4	28.3	12.7
7	18.8	14.6	12.0	11.1	10.4	10.0	12.7	16.6	19.2	21.1	22.2	23.4	24.8	25.3	26.5	27.3	26.5	26.1	25.1	23.0	21.9	21.0	20.1	18.5	19.9	27.3	10.0
8	16.8	12.9	10.8	10.7	10.5	8.5	11.1	15.3	17.3	18.1	19.3	18.8	19.4	20.7	20.6	20.5	18.7	18.3	18.1	17.3	16.9	16.6	16.3	15.4	16.2	20.7	8.5
9	14.0	13.5	13.2	12.5	10.5	7.8	10.5	13.5	15.0	16.3	17.7	18.7	19.8	20.6	21.4	21.7	21.4	20.9	19.8	17.4	14.6	13.4	11.1	10.2	15.7	21.7	7.8
10	10.2	9.7	8.5	7.9	7.3	7.1	11.5	16.8	20.1	21.9	23.1	24.1	25.4	25.9	26.8	27.2	27.1	26.5	25.3	22.3	18.8	16.6	14.3	12.8	18.2	27.2	7.1
11	13.0	11.5	11.2	10.8	11.5	11.7	15.7	23.3	26.3	28.3	29.7	30.1	31.0	31.6	32.1	32.0	31.9	32.0	30.8	25.4	21.9	19.3	18.0	15.2	22.7	32.1	10.8
12	15.4	13.7	12.3	11.3	11.3	10.4	14.7	21.1	25.0	26.1	26.5	26.5	26.6	27.7	27.8	27.4	27.4	26.6	25.9	24.8	24.2	23.5	22.7	21.8	21.7	27.8	10.4
13	20.5	16.5	13.2	11.8	13.0	14.6	17.5	20.9	22.9	24.4	25.6	27.0	28.0	29.5	30.3	29.4	29.5	29.1	28.0	26.6	23.4	22.2	20.2	18.2	22.6	30.3	11.8
14	18.0	18.6	17.6	17.0	15.7	17.8	20.4	21.7	22.6	23.4	24.9	26.3	27.2	28.1	28.8	28.3	27.0	25.2	23.1	22.0	21.0	20.1	19.6	18.7	22.2	28.8	15.7
15	18.1	17.2	16.3	15.6	15.2	14.8	15.2	15.9	16.2	17.3	19.3	20.3	20.8	19.8	20.6	19.6	15.9	13.4	14.2	13.5	13.6	13.8	13.6	11.9	16.3	20.8	11.9
16	10.6	10.4	10.6	10.7	11.0	11.2	11.4	12.3	13.4	14.0	13.8	16.2	17.4	18.4	19.6	20.3	20.2	19.9	19.2	16.2	14.3	12.9	12.6	12.2	14.5	20.3	10.4
17	12.2	12.4	12.1	12.8	13.3	13.4	15.2	18.7	20.7	22.3	23.3	24.8	25.7	26.3	26.7	27.0	27.1	26.6	25.4	20.7	18.5	16.7	15.2	14.6	19.7	27.1	12.1
18	14.0	12.7	11.7	11.4	11.1	10.5	14.9	19.6	23.2	24.9	26.8	27.7	27.6	27.3	27.8	29.2	28.9	27.3	26.9	25.4	24.2	21.9	20.2	16.8	21.3	29.2	10.5
19	13.8	12.2	10.4	9.4	9.2	8.6	13.0	17.9	20.8	22.5	23.9	24.9	25.9	26.5	26.9	27.1	26.9	26.4	25.3	20.9	17.1	15.4	15.0	14.0	18.9	27.1	8.6
20	13.2	12.5	12.0	11.1	11.4	10.3	14.9	20.8	24.6	27.0	28.7	29.2	29.9	30.7	30.8	30.7	29.6	28.4	27.4	23.3	20.4	22.4	19.3	16.7	21.9	30.8	10.3
21	15.2	15.1	13.7	13.5	13.8	13.9	15.4	17.8	21.4	25.7	26.5	27.6	28.3	28.6	29.0	29.1	29.3	28.2	26.1	23.9	21.9	19.9	19.2	15.9	21.6	29.3	13.5
22	12.7	12.0	11.5	11.7	10.7	11.4	13.6	16.3	19.6	22.7	24.5	24.6	25.4	25.8	25.9	25.3	23.6	23.5	21.0	19.0	17.1	15.0	13.5	12.9	18.3	25.9	10.7
23	11.5	11.3	9.6	9.4	8.5	8.1	12.0	16.2	18.8	20.2	21.0	22.1	22.9	23.8	24.1	24.7	24.6	24.1	23.1	20.1	16.3	15.7	14.6	13.4	17.3	24.7	8.1
24	12.0	12.0	11.3	10.7	9.6	9.8	13.4	18.3	20.7	22.1	23.8	24.8	24.6	25.1	24.8	26.1	26.0	25.6	24.5	21.1	16.6	16.4	14.6	13.4	18.6	26.1	9.6
25	12.5	12.3	11.5	10.8	10.7	11.1	14.7	19.8	22.9	24.4	25.6	26.4	27.6	28.1	28.7	28.9	28.8	28.6	27.6	24.6	20.8	19.5	17.4	16.8	20.8	28.9	10.7
26	15.7	15.3	14.5	13.1	11.8	11.5	16.1	21.6	24.0	26.2	28.2	29.6	30.4	31.4	31.7	31.8	31.1	30.1	29.5	25.5	20.7	19.4	18.6	17.4	22.7	31.8	11.5
27	17.3	15.6	14.5	14.3	14.2	15.0	16.8	21.0	23.6	26.0	27.5	29.6	31.3	32.1	32.4	32.7	31.8	31.1	29.8	25.7	21.1	19.9	18.6	17.2	23.3	32.7	14.2
28	15.9	15.4	14.4	13.3	12.1	12.1	16.5	22.3	26.6	29.4	31.1	32.0	33.0	33.9	34.1	34.1	33.9	33.1	31.9	26.4	21.6	20.0	19.4	18.3	24.2	34.1	12.1
29	17.2	16.0	15.3	14.0	13.0	13.4	17.9	24.4	28.4	30.2	31.7	32.9	34.1	34.9	35.4	35.9	35.6	35.0	33.7	28.4	23.2	21.4	20.4	18.7	25.5	35.9	13.0
30	17.9	16.5	16.1	14.2	14.8	13.8	18.4	24.8	29.0	31.8	33.6	35.1	36.1	36.9	37.5	37.6	37.3	36.4	35.1	30.3	25.1	23.5	23.2	20.8	26.9	37.6	13.8
31	19.7	18.3	16.9	16.5	15.6	15.4	20.0	26.6	30.6	33.1	34.3	35.8	37.0	37.7	38.1	38.1	38.1	37.3	36.1	31.2	26.4	24.2	24.2	22.5	28.1	38.1	15.4
Avg	15.5	14.4	13.3	12.7	12.3	12.1	15.2	19.5	22.4	24.2	25.5	26.5	27.4	28.1	28.6	28.7	28.1	27.3	26.2	23.1	20.4	19.3	18.0	16.7	21.1	--	--
Max	23.7	20.6	17.6	17.0	16.1	17.8	20.4	26.6	30.6	33.1	34.3	35.8	37.0	37.7	38.1	38.1	38.1	37.3	36.1	31.2	27.8	26.3	24.3	22.5	--	38.1	--
Min	10.2	9.7	8.5	7.9	7.3	7.1	10.5	12.3	13.4	14.0	13.8	16.2	17.4	18.4	19.6	19.6	15.9	13.4	14.2	13.5	13.6	12.9	11.1	10.2	--	--	7.1

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, Temp_2m_C"
Month: Jun 2015

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	22.2	18.7	17.2	16.5	16.3	16.7	21.4	27.0	30.8	32.6	33.7	35.0	35.8	36.2	36.9	36.9	37.0	36.4	35.1	29.9	24.4	24.1	22.9	20.4	27.7	37.0	16.3
2	19.1	17.0	16.1	16.2	15.3	14.5	19.6	26.4	30.2	31.8	33.2	34.2	35.0	35.7	36.3	36.5	36.3	35.5	34.3	31.5	25.9	23.2	20.7	18.7	26.8	36.5	14.5
3	16.3	15.8	14.5	13.6	13.0	12.7	18.5	25.2	29.5	30.7	32.5	33.5	34.4	35.3	35.6	35.5	35.7	35.0	33.6	30.7	27.2	21.7	19.7	18.1	25.8	35.7	12.7
4	16.3	15.1	13.9	12.2	11.8	11.6	17.6	24.9	30.1	32.0	33.3	33.8	34.4	33.6	32.2	29.2	29.4	29.6	27.8	26.5	24.1	23.1	24.3	24.2	24.6	34.4	11.6
5	24.5	24.0	23.7	23.2	21.2	19.1	18.6	19.3	19.8	21.1	24.4	26.1	27.1	26.9	27.4	26.0	22.7	25.1	26.3	24.6	22.8	22.4	21.7	20.3	23.3	27.4	18.6
6	20.4	20.3	20.0	19.5	18.9	19.3	19.7	22.2	24.0	24.1	25.3	26.1	27.9	29.8	30.7	31.3	31.5	31.5	30.6	25.6	20.9	19.3	18.7	18.4	24.0	31.5	18.4
7	16.8	15.8	14.8	14.1	14.5	14.4	18.9	24.0	27.9	30.0	31.4	32.4	32.8	33.4	33.9	34.5	34.6	34.2	33.1	28.8	24.2	23.2	21.7	20.0	25.4	34.6	14.1
8	20.2	19.6	18.0	18.2	18.5	20.0	22.8	26.7	30.8	32.0	34.7	36.4	36.3	36.5	36.7	36.4	36.8	36.2	34.6	32.4	30.2	31.6	31.8	30.7	29.5	36.8	18.0
9	29.2	28.1	27.9	26.0	25.1	26.3	25.1	25.7	26.5	28.2	28.6	27.6	27.7	29.6	31.2	31.7	30.7	25.0	26.5	26.1	25.8	26.4	26.4	24.4	27.3	31.7	24.4
10	24.1	22.8	22.1	22.0	21.8	21.6	22.9	24.6	25.8	26.6	27.7	29.1	30.3	30.8	31.2	32.6	31.9	32.0	30.9	29.1	27.3	25.1	23.1	22.2	26.6	32.6	21.6
11	21.4	20.7	20.2	19.7	19.9	20.3	22.7	25.5	27.8	29.0	30.4	31.6	32.5	33.0	33.7	33.8	33.9	33.4	32.4	30.0	24.8	23.6	21.9	20.8	26.8	33.9	19.7
12	20.3	19.8	18.8	17.6	16.6	16.5	20.6	25.7	28.9	30.6	32.7	34.0	35.3	35.7	36.0	36.2	36.1	35.8	34.7	31.9	26.5	25.0	22.0	20.6	27.4	36.2	16.5
13	20.9	19.1	18.1	17.2	16.9	16.4	21.2	26.0	29.6	31.4	33.3	34.5	35.5	36.6	36.9	37.0	36.9	36.4	35.4	33.3	29.8	26.4	24.4	23.5	28.2	37.0	16.4
14	23.3	22.0	20.5	19.4	18.0	18.4	22.9	27.3	30.2	32.2	33.9	35.2	36.3	37.3	38.1	38.3	38.0	37.7	36.9	34.9	31.0	27.8	26.3	25.6	29.6	38.3	18.0
15	23.6	22.9	21.7	20.7	19.3	19.0	23.8	28.8	31.6	34.0	35.7	37.4	39.1	40.2	40.6	40.7	40.4	39.9	38.8	36.0	31.7	28.4	27.4	25.0	31.1	40.7	19.0
16	25.5	22.9	21.8	19.9	19.0	21.1	26.6	32.4	35.3	36.6	37.6	38.8	39.8	40.8	41.2	41.6	41.1	40.2	38.9	36.6	31.9	28.2	27.3	25.2	32.1	41.6	19.0
17	26.1	25.3	22.3	21.2	19.8	19.9	25.4	32.5	35.3	36.5	37.8	39.5	40.4	41.5	41.8	41.6	41.3	40.9	39.6	37.3	31.8	28.1	26.9	26.1	32.5	41.8	19.8
18	24.1	21.8	20.7	20.5	20.7	20.5	24.7	31.3	35.5	37.6	38.9	40.4	41.4	42.0	42.1	42.0	42.0	41.3	40.1	37.2	31.2	29.5	27.6	24.0	32.4	42.1	20.5
19	22.8	21.2	22.0	21.6	19.7	18.9	24.1	30.3	35.1	37.2	39.1	39.8	40.7	41.3	41.6	41.7	41.3	40.3	39.2	36.5	30.1	26.6	23.9	21.8	31.5	41.7	18.9
20	20.3	19.8	18.4	18.1	16.5	16.0	21.6	28.7	33.9	36.2	38.1	38.8	39.8	40.7	40.8	40.8	40.5	40.1	39.0	33.9	27.6	25.8	23.3	22.2	30.0	40.8	16.0
21	22.1	20.8	20.9	20.2	19.7	19.5	24.2	29.9	31.5	32.7	33.9	35.2	36.6	37.9	38.9	39.2	39.0	38.4	37.3	35.6	32.8	27.7	26.9	25.8	30.3	39.2	19.5
22	24.2	23.6	21.9	21.1	20.8	19.6	24.1	29.3	31.4	33.0	35.2	37.1	38.3	38.9	39.7	39.9	39.7	39.2	38.0	35.6	32.1	27.4	26.1	24.6	30.9	39.9	19.6
23	24.5	22.3	22.3	21.1	21.3	22.3	26.2	31.4	33.7	35.3	36.6	38.0	38.7	39.5	40.3	40.6	40.3	39.7	38.5	36.5	32.4	29.9	29.3	27.8	32.0	40.6	21.1
24	26.8	25.6	24.5	23.5	21.5	21.7	25.6	33.4	34.9	36.1	37.8	38.0	39.0	40.2	40.8	41.1	37.5	34.6	33.9	34.0	32.4	33.6	32.7	32.5	32.6	41.1	21.5
25	31.2	29.1	27.6	25.5	24.8	23.8	27.1	31.8	33.8	35.3	36.8	38.3	39.3	40.2	40.6	40.6	40.4	39.8	38.4	37.2	35.9	33.7	34.2	33.2	34.1	40.6	23.8
26	31.1	31.3	29.0	25.7	24.5	23.9	26.7	30.7	32.0	32.9	34.3	35.7	37.0	38.1	38.6	38.8	38.7	37.5	37.1	35.6	32.7	30.0	30.3	30.4	32.6	38.8	23.9
27	31.7	30.8	28.0	26.3	25.4	25.9	27.3	30.2	32.8	34.4	36.5	37.7	38.9	39.6	40.1	40.4	39.6	37.1	27.7	25.2	25.9	28.2	27.5	27.2	31.9	40.4	25.2
28	27.2	25.6	24.2	22.9	22.3	23.8	27.1	30.5	32.7	34.4	34.8	36.2	38.0	38.8	38.9	38.0	36.5	36.0	35.3	33.3	31.5	29.4	27.9	27.1	31.3	38.9	22.3
29	26.5	26.1	24.8	24.3	24.2	23.1	26.0	29.7	31.4	33.2	35.2	36.7	38.0	38.2	39.1	38.5	38.2	37.8	37.3	35.8	33.4	31.6	30.9	29.4	32.1	39.1	23.1
30	27.6	26.2	24.8	24.9	24.3	24.8	27.8	31.3	32.1	32.7	34.1	35.2	37.1	38.2	38.2	37.4	36.9	36.0	34.7	31.1	30.4	29.4	30.9	31.0	31.6	38.2	24.3
Avg	23.7	22.5	21.4	20.4	19.7	19.7	23.4	28.1	30.8	32.3	33.9	35.1	36.1	36.9	37.3	37.3	36.8	36.1	34.9	32.4	28.9	27.0	26.0	24.7	29.4	--	--
Max	31.7	31.3	29.0	26.3	25.4	26.3	27.8	33.4	35.5	37.6	39.1	40.4	41.4	42.0	42.1	42.0	42.0	41.3	40.1	37.3	35.9	33.7	34.2	33.2	--	42.1	--
Min	16.3	15.1	13.9	12.2	11.8	11.6	17.6	19.3	19.8	21.1	24.4	26.1	27.1	26.9	27.4	26.0	22.7	25.0	26.3	24.6	20.9	19.3	18.7	18.1	--	--	11.6

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, SR_wm2"
Month: Apr 2015

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	20	78	404	638	792	893	921	876	687	617	431	215	29	0	0	0	0	0	275	921	0
2	0	0	0	0	0	0	38	128	325	574	731	662	842	845	714	550	420	188	19	0	0	0	0	0	251	845	0
3	0	0	0	0	0	0	22	83	457	684	832	924	919	886	796	608	407	200	21	0	0	0	0	0	285	924	0
4	0	0	0	0	0	0	28	118	417	609	782	826	872	845	620	525	276	122	21	0	0	0	0	0	253	872	0
5	0	0	0	0	0	0	27	83	466	673	819	916	963	815	692	624	358	168	39	0	0	0	0	0	277	963	0
6	0	0	0	0	0	0	29	87	469	683	832	929	962	925	826	640	407	195	29	0	0	0	0	0	292	962	0
7	0	0	0	0	0	0	29	92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15	92	0
8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0
15	0	0	0	0	0	0	50	183	501	690	832	929	957	924	834	674	473	248	50	0	0	0	0	0	306	957	0
16	0	0	0	0	0	0	57	198	535	741	883	974	1000	960	857	691	483	255	52	0	0	0	0	0	320	1000	0
17	0	0	0	0	0	0	51	201	522	723	868	966	995	955	853	686	500	271	42	0	0	0	0	0	318	995	0
18	0	0	0	0	0	0	50	209	524	720	863	955	983	948	851	686	483	256	55	0	0	0	0	0	316	983	0
19	0	0	0	0	0	1	67	216	522	720	858	947	975	941	842	684	482	256	57	0	0	0	0	0	315	975	0
20	0	0	0	0	0	1	70	227	526	719	861	953	981	943	843	679	484	256	56	0	0	0	0	0	317	981	0
21	0	0	0	0	0	1	55	240	518	722	867	955	983	941	842	680	484	203	14	0	0	0	0	0	313	983	0
22	0	0	0	0	0	1	80	258	528	724	861	958	987	947	843	674	476	248	55	0	0	0	0	0	318	987	0
23	0	0	0	0	0	1	82	264	529	722	866	958	980	936	836	672	488	261	54	0	0	0	0	0	319	980	0
24	0	0	0	0	0	1	34	92	226	378	578	669	535	737	238	281	500	244	58	0	0	0	0	0	190	737	0
25	0	0	0	0	0	2	98	246	517	643	665	839	925	852	541	429	145	38	7	0	0	0	0	0	248	925	0
26	0	0	0	0	0	0	21	71	131	254	266	508	258	350	290	251	443	89	27	0	0	0	0	0	123	508	0
27	0	0	0	0	0	2	122	323	551	746	881	965	988	955	818	446	450	279	71	0	0	0	0	0	316	988	0
28	0	0	0	0	0	2	111	325	552	740	873	959	985	946	857	422	476	247	27	0	0	0	0	0	313	985	0
29	0	0	0	0	0	2	117	334	563	757	892	979	1010	968	869	706	509	280	71	0	0	0	0	0	336	1010	0
30	0	0	0	0	0	2	122	339	567	756	891	972	987	945	853	682	485	265	47	0	0	0	0	0	330	987	0
Avg	0	0	0	0	0	1	60	191	471	664	800	893	909	884	746	587	439	217	41	0	0	0	0	0	283	--	--
Max	0	0	0	0	0	2	122	339	567	757	892	979	1010	968	869	706	509	280	71	0	0	0	0	0	--	1010	--
Min	0	0	0	0	0	0	20	71	131	254	266	508	258	350	238	251	145	38	7	0	0	0	0	0	--	--	0

-- Indicates Invalid Data

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, SR_wm2"
Month: May 2015

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	2	120	333	557	749	886	972	1000	962	863	698	503	216	70	0	0	0	0	0	330	1000	0
2	0	0	0	0	0	3	50	269	376	720	566	828	941	950	850	687	493	273	77	0	0	0	0	0	295	950	0
3	0	0	0	0	0	5	110	276	557	741	894	969	792	965	845	521	510	289	58	0	0	0	0	0	314	969	0
4	0	0	0	0	0	3	108	174	311	443	448	777	932	514	638	396	59	13	29	0	0	0	0	0	202	932	0
5	0	0	0	0	0	2	39	267	418	606	730	483	490	469	705	630	500	288	77	0	0	0	0	0	238	730	0
6	0	0	0	0	0	5	109	345	412	426	672	687	917	764	781	683	413	278	89	1	0	0	0	0	274	917	0
7	0	0	0	0	0	7	130	348	451	653	808	894	952	802	831	718	399	228	91	1	0	0	0	0	305	952	0
8	0	0	0	0	0	7	104	351	566	730	911	529	599	711	498	585	188	100	54	0	0	0	0	0	247	911	0
9	0	0	0	0	0	7	147	367	590	775	939	999	1022	981	877	709	518	297	91	1	0	0	0	0	347	1022	0
10	0	0	0	0	0	8	146	361	577	765	899	981	1009	970	870	711	519	299	93	1	0	0	0	0	342	1009	0
11	0	0	0	0	0	9	152	376	585	750	919	875	1009	942	768	605	456	294	86	1	0	0	0	0	326	1009	0
12	0	0	0	0	0	9	152	371	526	614	542	412	339	522	379	266	285	140	72	2	0	0	0	0	193	614	0
13	0	0	0	0	0	10	155	369	581	756	855	870	777	972	834	430	394	253	43	0	0	0	0	0	304	972	0
14	0	0	0	0	0	5	110	262	255	479	874	986	1006	962	824	586	400	173	47	0	0	0	0	0	290	1006	0
15	0	0	0	0	0	7	82	151	206	380	665	741	622	439	605	233	25	129	82	2	0	0	0	0	182	741	0
16	0	0	0	0	0	6	29	262	404	250	166	754	870	687	778	718	544	321	107	2	0	0	0	0	246	870	0
17	0	0	0	0	0	6	102	385	600	789	918	989	1020	980	878	723	530	310	101	2	0	0	0	0	347	1020	0
18	0	0	0	0	0	13	158	370	581	767	813	807	616	569	453	642	419	190	95	4	0	0	0	0	271	813	0
19	0	0	0	0	0	14	166	380	596	780	917	994	1024	984	883	731	535	317	106	2	0	0	0	0	351	1024	0
20	0	0	0	0	0	13	147	347	591	744	866	899	926	934	690	659	292	160	71	2	0	0	0	0	306	934	0
21	0	0	0	0	0	9	69	156	479	756	797	949	859	871	763	617	509	318	112	4	0	0	0	0	303	949	0
22	0	0	0	0	0	12	83	169	435	853	948	887	1032	984	747	535	290	327	26	2	0	0	0	0	305	1032	0
23	0	0	0	0	0	16	162	373	587	772	806	966	1013	972	880	712	533	318	114	4	0	0	0	0	343	1013	0
24	0	0	0	0	0	16	169	377	588	769	909	834	668	731	519	743	552	325	120	4	0	0	0	0	305	909	0
25	0	0	0	0	0	16	168	377	586	767	900	974	1003	962	866	717	535	321	117	4	0	0	0	0	346	1003	0
26	0	0	0	0	0	16	172	382	591	771	907	968	1006	971	844	606	378	179	115	2	0	0	0	0	330	1006	0
27	0	0	0	0	0	5	133	221	253	439	503	1022	1014	988	893	644	366	184	64	10	0	0	0	0	281	1022	0
28	0	0	0	0	0	18	179	393	605	787	921	998	1025	987	878	739	554	333	127	3	0	0	0	0	356	1025	0
29	0	0	0	0	0	17	183	393	605	784	917	994	1022	987	892	735	555	341	130	5	0	0	0	0	357	1022	0
30	0	0	0	0	0	21	179	389	594	774	907	984	1009	971	873	723	540	295	111	3	0	0	0	0	349	1009	0
31	0	0	0	0	0	16	167	372	582	763	897	972	1000	959	860	714	534	328	125	6	0	0	0	0	346	1000	0
Avg	0	0	0	0	0	10	128	321	505	682	797	871	888	854	770	626	430	253	87	2	0	0	0	0	301	--	--
Max	0	0	0	0	0	21	183	393	605	853	948	1022	1032	988	893	743	555	341	130	10	0	0	0	0	--	1032	--
Min	0	0	0	0	0	2	29	151	206	250	166	412	339	439	379	233	25	13	26	0	0	0	0	0	--	--	0

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, SR_wm2"
Month: Jun 2015

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	19	178	394	608	796	935	1012	1040	998	893	740	554	342	126	1	0	0	0	0	360	1040	0
2	0	0	0	0	0	19	181	391	595	778	912	992	1021	981	886	732	547	334	131	7	0	0	0	0	354	1021	0
3	0	0	0	0	0	21	186	400	609	790	931	1007	1038	1000	899	746	564	348	136	7	0	0	0	0	362	1038	0
4	0	0	0	0	0	21	190	401	615	802	749	562	570	347	164	116	155	68	9	0	0	0	0	0	199	802	0
5	0	0	0	0	0	1	11	77	134	212	603	515	368	375	423	313	422	262	120	2	0	0	0	0	160	603	0
6	0	0	0	0	0	10	36	197	172	491	331	655	930	936	881	742	548	342	137	7	0	0	0	0	267	936	0
7	0	0	0	0	0	21	184	393	599	775	905	981	1005	968	875	731	553	347	141	9	0	0	0	0	354	1005	0
8	0	0	0	0	0	18	61	194	396	352	930	949	556	664	430	354	384	143	46	6	0	0	0	0	228	949	0
9	0	0	0	0	0	7	50	104	153	233	299	142	483	715	546	331	259	99	91	9	0	0	0	0	147	715	0
10	0	0	0	0	0	18	116	212	340	394	509	780	922	703	603	757	450	369	145	11	0	0	0	0	264	922	0
11	0	0	0	0	0	30	103	357	594	743	879	956	1007	967	877	726	552	342	138	11	0	0	0	0	345	1007	0
12	0	0	0	0	0	20	176	381	588	765	899	976	1005	968	874	731	554	346	141	10	0	0	0	0	351	1005	0
13	0	0	0	0	0	20	179	383	586	765	899	975	1005	973	878	730	551	339	136	10	0	0	0	0	351	1005	0
14	0	0	0	0	0	21	176	375	580	758	891	963	993	961	871	727	549	344	155	15	0	0	0	0	349	993	0
15	0	0	0	0	0	21	173	373	575	754	884	960	991	962	870	719	550	347	143	12	0	0	0	0	347	991	0
16	0	0	0	0	0	14	172	376	577	752	881	958	989	959	871	731	556	351	146	12	0	0	0	0	348	989	0
17	0	0	0	0	0	20	173	378	578	751	884	961	1001	971	880	738	561	350	132	10	0	0	0	0	350	1001	0
18	0	0	0	0	0	19	173	379	582	754	890	967	999	972	882	734	561	351	143	5	0	0	0	0	351	999	0
19	0	0	0	0	0	19	173	377	576	755	883	958	995	969	882	738	506	290	143	17	0	0	0	0	345	995	0
20	0	0	0	0	0	19	185	395	599	781	913	988	1024	989	899	753	575	362	150	11	0	0	0	0	360	1024	0
21	0	0	0	0	0	19	163	361	566	741	870	944	974	945	857	716	541	336	140	13	0	0	0	0	341	974	0
22	0	0	0	0	0	18	157	352	554	730	861	938	976	950	869	728	554	348	148	11	0	0	0	0	341	976	0
23	0	0	0	0	0	26	152	362	548	729	836	946	841	847	857	717	538	333	137	13	0	0	0	0	328	946	0
24	0	0	0	0	0	10	131	309	461	467	831	626	825	870	800	724	307	172	117	17	0	0	0	0	278	870	0
25	0	0	0	0	0	16	149	344	546	720	847	922	955	929	845	728	531	341	109	15	0	0	0	0	333	955	0
26	0	0	0	0	0	14	142	342	537	718	851	926	956	927	842	719	515	167	121	9	0	0	0	0	324	956	0
27	0	0	0	0	0	7	58	290	544	718	826	928	946	939	877	740	606	403	47	3	0	0	0	0	330	946	0
28	0	0	0	0	0	16	158	362	555	729	514	799	945	908	690	457	108	132	112	11	0	0	0	0	271	945	0
29	0	0	0	0	0	15	152	351	555	728	858	933	934	607	712	331	235	158	75	4	0	0	0	0	277	934	0
30	0	0	0	0	0	20	163	351	503	688	847	927	960	930	752	510	374	131	6	1	0	0	0	0	298	960	0
Avg	0	0	0	0	0	17	143	332	514	672	805	871	908	874	783	642	475	286	117	9	0	0	0	0	310	--	--
Max	0	0	0	0	0	30	190	401	615	802	935	1012	1040	1000	899	757	606	403	155	17	0	0	0	0	--	1040	--
Min	0	0	0	0	0	1	11	77	134	212	299	142	368	347	164	116	108	68	6	0	0	0	0	0	--	--	0

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, RH_percent"
Month: Apr 2015

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	39	45	49	54	57	59	56	43	31	27	24	23	22	19	18	16	14	12	13	20	24	25	33	39	32	59	12
2	41	45	48	47	47	47	46	33	21	12	11	10	10	11	12	14	15	16	17	20	28	31	31	36	27	48	10
3	37	41	42	39	25	14	14	14	12	11	11	10	9	8	8	7	7	8	11	19	21	24	27	30	19	42	7
4	31	31	35	38	38	44	41	27	15	11	10	10	9	9	9	8	8	10	13	21	21	27	28	27	22	44	8
5	32	31	37	35	42	45	43	30	19	13	12	12	9	8	8	8	7	6	5	10	13	10	8	13	19	45	5
6	19	22	28	29	29	32	29	19	10	12	13	13	10	8	7	7	9	10	10	12	18	21	24	28	17	32	7
7	30	34	35	38	42	42	38	23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	35	42	23
8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	27	27	27	27
15	32	36	40	37	36	41	42	30	23	22	19	12	9	8	6	7	5	5	6	7	8	8	9	10	19	42	5
16	16	15	12	14	17	16	19	14	11	10	9	8	8	7	8	8	8	9	10	14	18	23	25	25	13	25	7
17	28	31	31	33	34	33	27	18	15	16	14	11	11	11	11	11	10	11	14	19	22	25	30	31	21	34	10
18	31	33	37	34	40	41	37	22	15	14	13	11	10	9	9	9	9	9	10	14	18	22	26	28	21	41	9
19	28	32	35	34	34	38	33	22	16	13	12	11	10	9	9	8	8	8	9	14	17	20	22	21	19	38	8
20	22	22	27	32	36	40	34	21	14	11	10	9	9	8	8	8	8	8	10	16	19	20	19	20	18	40	8
21	23	30	33	36	35	33	33	20	13	10	9	9	9	9	9	8	8	7	9	13	17	16	19	25	18	36	7
22	28	31	34	35	40	40	34	24	17	16	14	12	10	9	9	11	11	12	12	13	17	18	19	23	20	40	9
23	29	35	39	42	46	47	43	31	24	21	20	18	18	18	17	16	16	19	22	24	25	28	32	34	28	47	16
24	40	47	56	57	60	61	58	60	58	55	53	52	46	38	41	38	39	34	36	47	53	58	65	65	51	65	34
25	67	69	67	70	69	74	66	47	42	38	38	35	31	28	26	24	25	25	30	45	58	78	84	93	51	93	24
26	89	85	86	83	87	87	86	91	93	86	78	70	64	55	50	52	44	52	54	62	68	71	70	77	72	93	44
27	88	93	94	94	93	93	80	59	42	31	29	28	26	24	23	22	21	23	26	35	52	66	69	69	53	94	21
28	74	71	74	55	44	41	36	31	28	26	24	23	21	20	19	19	18	15	19	22	27	31	34	35	34	74	15
29	34	43	55	52	33	37	30	24	19	17	15	14	12	10	9	8	7	7	9	20	27	33	30	40	24	55	7
30	42	42	39	36	32	28	26	15	10	9	8	8	9	8	8	8	8	9	10	15	24	27	29	33	20	42	8
Avg	39	42	45	45	44	45	41	31	25	22	20	19	17	15	15	14	14	14	16	22	27	31	33	36	28	--	--
Max	89	93	94	94	93	93	86	91	93	86	78	70	64	55	50	52	44	52	54	62	68	78	84	93	--	94	--
Min	16	15	12	14	17	14	14	14	10	9	8	8	8	7	6	7	5	5	5	7	8	8	8	10	--	--	5

-- Indicates Invalid Data

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, RH_percent"
Month: May 2015

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	38	39	46	48	50	52	40	25	14	12	10	9	8	7	6	6	6	7	8	12	21	23	26	30	23	52	6
2	36	40	42	46	47	44	42	30	19	15	14	13	12	11	11	11	11	11	13	20	17	19	28	28	24	47	11
3	27	33	42	50	53	54	47	36	26	23	19	18	19	17	17	16	15	14	16	21	25	25	33	40	29	54	14
4	64	72	76	86	88	90	70	64	56	50	43	49	37	37	34	34	62	78	77	77	84	73	84	84	66	90	34
5	87	86	90	89	91	89	88	68	56	50	47	48	43	40	36	33	31	30	32	45	59	68	72	76	61	91	30
6	78	79	80	82	86	86	76	52	33	31	31	29	24	17	14	14	14	14	16	17	21	25	28	33	41	86	14
7	40	52	64	70	77	80	70	51	40	38	35	32	29	28	25	22	23	23	25	25	24	26	35	41	41	80	22
8	40	53	62	65	64	72	63	45	40	41	38	40	37	30	30	31	35	32	27	25	23	24	31	34	41	72	23
9	41	47	49	50	57	69	58	45	40	36	31	27	24	22	20	20	19	19	21	26	32	37	44	48	37	69	19
10	50	53	58	61	64	66	51	34	24	23	22	20	19	18	17	16	16	16	18	22	28	34	40	45	34	66	16
11	46	51	53	54	52	52	39	23	19	15	11	9	8	8	9	9	9	9	9	14	18	23	25	32	25	54	8
12	31	35	38	41	41	45	35	23	14	14	14	14	14	12	12	11	12	13	15	18	20	23	25	27	23	45	11
13	29	37	46	51	50	49	41	35	30	27	24	21	19	18	18	19	18	21	23	25	31	33	37	42	31	51	18
14	43	43	47	48	52	49	45	39	35	33	29	24	22	20	16	16	16	20	22	22	23	27	23	25	31	52	16
15	27	31	38	41	44	48	51	50	48	44	36	33	32	38	35	38	67	89	82	87	89	89	92	94	55	94	27
16	95	93	91	89	90	92	91	84	73	70	70	58	55	51	45	41	40	37	39	56	73	84	84	85	70	95	37
17	85	83	84	79	74	71	60	42	33	25	21	19	17	16	16	15	15	15	18	36	48	55	65	67	44	85	15
18	70	77	84	85	83	86	62	40	29	26	21	19	18	18	17	15	15	17	15	15	12	14	17	29	37	86	12
19	40	51	63	70	69	72	52	33	27	24	20	19	17	16	16	15	16	16	16	28	43	50	50	54	37	72	15
20	57	60	61	66	63	70	50	32	21	17	13	12	11	11	11	10	11	12	14	22	31	24	32	41	31	70	10
21	48	48	55	55	54	53	50	45	32	20	19	17	14	14	14	13	12	13	16	18	15	12	13	21	28	55	12
22	32	38	45	44	49	48	43	35	27	19	16	17	16	18	18	22	28	29	37	44	52	59	63	68	36	68	16
23	72	67	73	71	74	77	57	39	34	31	28	24	23	21	20	19	20	21	22	29	40	42	45	49	42	77	19
24	55	55	58	61	66	65	51	35	32	29	26	23	23	23	22	18	20	20	21	26	38	38	44	48	37	66	18
25	52	53	57	60	62	60	48	33	28	27	26	24	22	21	20	19	19	19	20	26	34	37	43	45	36	62	19
26	49	51	53	59	65	66	50	33	27	24	21	20	17	15	15	15	15	16	16	22	33	35	37	40	33	66	15
27	39	45	49	51	52	49	44	34	28	22	20	17	15	12	9	9	11	11	12	18	26	27	29	32	28	52	9
28	36	36	40	43	48	48	38	26	18	15	13	11	10	9	9	8	8	8	9	14	21	23	24	26	23	48	8
29	29	32	35	39	42	42	32	21	15	13	12	11	10	9	8	7	7	7	7	11	17	19	20	23	19	42	7
30	25	28	29	35	33	38	30	19	13	12	12	10	9	9	8	8	8	8	9	13	19	21	21	24	18	38	8
31	26	30	34	34	37	38	29	19	13	12	12	11	11	10	11	10	10	10	11	16	22	25	24	26	20	38	10
Avg	48	52	56	59	61	62	52	38	31	27	24	22	20	19	18	18	20	21	22	28	34	36	40	44	35	--	--
Max	95	93	91	89	91	92	91	84	73	70	70	58	55	51	45	41	67	89	82	87	89	89	92	94	--	95	--
Min	25	28	29	34	33	38	29	19	13	12	10	9	8	7	6	6	6	7	7	11	12	12	13	21	--	--	6

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, RH_percent"
Month: Jun 2015

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	33	37	37	37	34	24	17	11	9	9	8	7	7	7	7	8	8	8	12	18	17	18	23	18	37	7
2	25	29	32	30	33	38	31	22	16	14	13	12	11	11	10	9	10	10	9	10	15	18	21	25	19	38	9
3	29	29	31	32	33	34	23	15	11	11	9	9	8	7	7	7	7	7	8	9	9	15	17	19	16	34	7
4	21	22	25	28	29	30	23	14	9	8	7	8	9	9	12	19	15	12	23	31	43	48	40	39	22	48	7
5	37	39	41	47	63	84	87	88	87	75	61	52	47	48	46	54	77	65	55	65	74	70	70	81	63	88	37
6	81	80	80	83	85	84	84	72	65	61	47	46	39	30	27	22	20	18	17	36	69	70	62	59	56	85	17
7	70	70	77	78	67	64	46	30	15	15	17	19	22	20	19	17	16	15	16	24	40	39	41	47	37	78	15
8	41	43	52	48	47	39	32	28	19	18	15	14	14	14	14	14	13	14	15	19	25	21	18	20	25	52	13
9	23	29	35	49	54	45	57	57	54	46	46	52	56	47	41	39	45	80	75	75	79	58	55	69	53	80	23
10	71	84	92	93	92	92	83	71	64	60	56	53	47	45	42	37	38	36	37	42	48	56	67	71	62	93	36
11	73	74	76	79	79	79	68	54	43	38	34	28	24	21	20	19	18	18	19	24	36	39	44	46	44	79	18
12	45	46	48	53	57	57	42	28	18	15	14	14	14	13	13	13	13	13	13	16	25	27	35	38	28	57	13
13	36	41	44	48	48	50	36	25	15	14	14	14	13	13	13	12	13	14	16	18	23	29	34	36	26	50	12
14	36	40	45	48	53	51	38	26	20	19	17	17	16	15	14	14	14	14	14	16	21	26	28	30	26	53	14
15	34	35	38	41	46	48	35	24	20	17	16	14	13	12	12	12	10	9	9	12	19	24	24	28	23	48	9
16	27	32	33	39	41	36	25	21	18	16	15	14	12	11	10	9	9	9	10	11	16	21	21	25	20	41	9
17	24	26	35	37	43	43	34	22	18	16	13	12	9	8	7	6	7	8	9	11	17	21	22	23	20	43	6
18	26	31	34	34	33	34	28	19	14	11	10	10	8	7	7	7	7	8	8	10	15	16	18	25	18	34	7
19	26	29	27	26	31	32	24	16	12	10	9	9	9	8	7	7	7	7	7	6	10	13	16	18	15	32	6
20	19	18	20	19	21	22	17	10	6	5	6	6	5	5	4	5	5	5	6	8	13	13	16	17	11	22	4
21	17	20	20	23	27	32	32	26	27	26	24	22	20	19	17	15	15	16	17	19	22	28	29	31	23	32	15
22	33	34	37	39	40	45	37	30	27	25	22	19	17	14	9	9	8	8	8	9	13	18	19	21	23	45	8
23	22	27	27	31	33	32	28	22	19	18	16	14	13	13	11	11	11	10	11	12	16	19	20	22	19	33	10
24	23	25	26	27	31	31	26	25	28	26	23	22	16	12	11	10	17	23	24	22	23	21	24	24	22	31	10
25	26	29	31	35	36	38	33	27	26	24	21	20	18	17	16	16	16	16	16	17	18	20	19	26	23	38	16
26	32	33	37	45	48	49	43	36	34	31	28	24	22	20	20	20	20	21	22	24	28	33	35	41	31	49	20
27	33	40	48	53	56	54	50	41	34	30	26	25	24	22	21	19	20	25	55	60	54	44	47	50	39	60	19
28	46	53	65	76	77	63	48	37	31	27	29	26	23	20	20	23	24	24	29	34	38	46	55	58	40	77	20
29	60	59	65	67	63	67	55	41	37	32	29	25	22	21	20	21	21	22	23	25	33	37	39	41	39	67	20
30	48	52	58	56	59	57	48	40	38	37	33	29	26	25	25	26	27	28	31	50	56	59	42	39	41	59	25
Avg	37	40	44	47	49	49	41	33	28	25	23	21	19	18	17	17	18	19	20	24	31	32	33	36	30	--	--
Max	81	84	92	93	92	92	87	88	87	75	61	53	56	48	46	54	77	80	75	75	79	70	70	81	--	93	--
Min	17	18	20	19	21	22	17	10	6	5	6	6	5	5	4	5	5	5	6	6	9	13	16	17	--	--	4

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, Precip_inch"
Month: Apr 2015

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
8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	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	0.01	0.03	0.09	0.13	0.26	0.13	0
26	0	0	0	0	0.03	0	0.01	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.11	0.07	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	0	0.03	0	0.01	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.03	0.09	0.13	0.37	--	--
Max	0	0	0	0	0.03	0	0.01	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.03	0.09	0.13	--	0.13	--
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

-- Indicates Invalid Data

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, Precip_inch"
Month: May 2015

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	0.02	0.01	0.02	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.05	0	0	0	0	0	0	0.21	0.06	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	0.11	0.01	0	0	0	0.01	0.07	0.35	0.55	0.35	0
16	0.28	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.34	0.28	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	0.3	0.07	0.02	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0.17	0.06	0	0	0	0.01	0.07	0.35	1.1	--	--
Max	0.28	0.06	0.02	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0.11	0.05	0	0	0	0.01	0.07	0.35	--	0.35	--
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, Hewitt_Station
"Component, Channel: Table100, Precip_inch"
Month: Jun 2015

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	0.02	0.14	0.04	0.02	0.02	0.02	0	0	0.01	0	0	0.24	0	0	0	0	0	0	0	0	0.51	0.24	0
6	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	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	0.04	0.01	0	0	0	0	0	0	0.05	0.04	0
10	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	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	0.17	0.03	0	0	0	0	0.2	0.17	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	0.01	0	0	0	0	0.01	0.01	0
Total	0	0.01	0	0	0.02	0.14	0.04	0.02	0.02	0.03	0	0	0.01	0	0	0.24	0.04	0.01	0.17	0.04	0	0	0	0	0.79	--	--
Max	0	0.01	0	0	0.02	0.14	0.04	0.02	0.02	0.02	0	0	0.01	0	0	0.24	0.04	0.01	0.17	0.03	0	0	0	0	--	0.24	--
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, Hewitt_Station
"Component, Channel: Table100, BP_mmHg"
Month: Apr 2015

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

-- Indicates Invalid Data

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, BP_mmHg"
Month: May 2015

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	697	697	698	698	698	698	699	699	699	699	699	699	698	698	697	697	696	696	696	697	697	697	698	698	698	699	696
2	698	698	698	698	698	698	699	699	699	699	699	698	698	697	696	696	695	695	695	696	696	697	697	698	697	699	695
3	698	698	698	698	698	699	699	699	699	699	699	698	697	697	696	695	695	695	695	695	696	696	697	697	697	699	695
4	698	698	698	698	698	698	698	698	698	698	699	698	698	697	696	696	697	697	697	697	698	699	699	699	698	699	696
5	699	699	699	699	698	698	699	699	699	699	699	699	699	699	698	697	697	697	697	697	698	698	698	698	698	699	697
6	698	698	697	697	697	697	697	697	697	697	697	697	696	696	695	694	694	694	694	694	695	696	696	696	696	698	694
7	696	696	696	696	696	697	697	698	698	698	698	697	697	696	696	695	695	694	694	695	696	696	697	697	696	698	694
8	697	697	697	697	697	697	698	698	698	698	698	698	698	698	698	697	697	697	697	698	698	699	699	699	698	699	697
9	700	700	700	700	700	700	701	701	701	701	701	701	701	700	700	699	699	699	699	699	700	700	700	700	700	701	699
10	700	700	699	700	700	700	700	700	700	700	700	700	699	699	699	698	698	698	698	699	699	700	700	700	699	700	698
11	700	700	699	699	699	699	699	700	699	699	699	699	698	698	697	696	696	696	695	696	696	696	697	697	698	700	695
12	697	698	698	698	698	698	698	699	699	699	699	699	698	698	698	698	698	698	698	698	698	699	699	700	698	700	697
13	700	700	700	700	700	700	700	701	701	701	700	700	699	698	698	697	697	697	696	696	697	697	697	697	699	701	696
14	697	697	697	696	697	697	698	698	698	698	698	698	697	697	696	695	695	695	696	696	696	697	697	698	697	698	695
15	698	698	698	698	698	698	698	698	698	698	698	698	697	697	697	696	696	697	696	696	696	696	696	696	697	698	696
16	697	697	697	697	698	698	699	699	700	700	701	701	701	701	701	700	700	700	700	700	701	701	701	701	700	701	697
17	701	701	700	700	700	700	701	701	701	701	701	701	701	701	700	700	699	699	699	699	700	700	700	700	700	701	699
18	700	700	700	700	700	700	700	700	700	700	699	699	699	699	698	697	697	697	697	698	698	699	699	700	699	700	697
19	700	700	700	700	700	700	700	701	701	701	701	700	700	700	699	699	699	699	698	699	699	699	699	699	700	701	698
20	699	699	699	699	699	699	699	699	699	699	699	699	698	698	698	697	697	697	697	697	697	698	699	699	698	699	697
21	699	699	698	698	698	698	698	698	698	698	698	698	697	697	696	696	695	696	696	697	697	698	698	699	697	699	695
22	699	699	699	698	698	699	699	699	699	699	699	698	698	698	698	698	698	698	698	699	699	700	700	700	699	700	698
23	700	700	700	700	700	700	701	701	701	701	701	701	701	700	700	699	699	699	699	699	699	699	699	699	700	701	699
24	699	699	699	699	699	699	699	700	700	699	699	699	698	698	698	697	697	697	697	697	698	698	698	698	698	700	697
25	698	698	698	698	699	699	699	700	700	700	700	700	699	699	699	699	698	698	698	698	698	699	699	699	699	700	698
26	699	699	699	700	700	700	701	701	701	700	700	700	700	699	699	698	698	698	698	698	698	699	699	699	699	701	698
27	699	699	699	699	699	700	700	700	700	700	700	700	699	699	699	698	698	698	698	698	698	699	699	699	699	700	698
28	699	699	699	699	700	700	700	700	700	700	700	700	699	699	699	698	698	698	698	698	698	699	699	699	699	700	698
29	699	699	699	699	699	700	700	700	700	701	701	700	700	699	699	698	698	698	698	698	698	699	699	699	699	701	698
30	699	699	699	699	700	700	700	700	701	700	700	700	700	699	699	698	698	698	698	698	698	698	698	698	699	701	698
31	698	698	699	699	699	699	700	700	700	700	700	699	699	698	698	697	697	697	697	697	697	698	698	699	698	700	697
Avg	699	699	699	699	699	699	699	699	700	699	699	699	699	698	698	697	697	697	697	697	698	698	698	699	698	--	--
Max	701	701	700	700	700	700	701	701	701	701	701	701	701	701	701	700	700	700	700	700	701	701	701	701	--	701	--
Min	696	696	696	696	696	697	697	697	697	697	697	697	696	696	695	694	694	694	694	694	695	696	696	696	--	--	694

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, BP_mmHg"
Month: Jun 2015

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	699	699	699	699	699	700	700	700	700	700	700	700	700	699	699	698	698	698	698	698	698	699	699	699	699	700	698
2	699	699	699	699	700	700	700	700	700	700	700	699	699	698	698	697	697	697	697	697	697	697	698	698	699	700	697
3	698	698	698	698	698	698	698	698	698	698	698	698	697	697	696	696	695	695	695	695	696	696	696	696	697	698	695
4	696	696	696	696	697	697	697	697	697	697	697	697	697	697	697	697	697	697	698	698	698	698	698	698	697	698	696
5	697	698	697	698	698	698	699	699	699	699	699	698	698	698	697	697	697	696	696	696	697	697	697	697	698	699	696
6	697	697	697	697	697	697	698	698	698	698	698	698	698	698	697	697	696	696	696	696	697	697	698	698	697	698	696
7	698	698	698	698	698	698	698	698	699	699	699	699	699	698	698	698	697	697	698	698	698	698	699	699	698	699	697
8	699	699	699	699	699	699	700	700	700	699	699	699	698	698	698	697	697	696	696	696	697	698	698	699	698	700	696
9	699	699	700	700	699	699	700	700	699	699	699	699	699	698	697	696	696	697	697	697	697	698	698	698	698	700	696
10	698	698	698	698	698	698	698	698	698	698	698	698	697	697	696	696	696	695	695	696	696	696	696	696	697	698	695
11	696	696	696	696	696	697	697	697	697	697	697	697	696	696	696	695	695	695	695	695	695	695	695	695	696	697	695
12	695	695	695	696	696	696	696	697	697	697	696	696	696	695	695	694	694	694	694	694	694	695	695	695	695	697	694
13	695	695	695	695	695	696	696	696	696	696	696	695	695	694	694	693	693	693	693	694	694	694	694	694	695	696	693
14	695	695	695	695	695	696	696	696	696	696	696	696	695	695	694	694	694	694	694	694	695	695	696	696	695	696	694
15	696	696	696	696	696	697	697	698	698	697	697	697	697	696	696	695	695	695	695	696	696	697	697	697	696	698	695
16	698	698	698	698	698	699	699	699	699	699	699	699	698	698	697	697	697	696	697	697	697	698	698	698	698	699	696
17	698	698	698	698	698	699	699	699	699	699	699	699	699	698	697	697	696	696	696	697	697	697	698	698	698	699	696
18	698	698	698	698	698	699	699	699	699	699	699	699	699	698	698	697	697	696	696	697	697	697	698	698	698	699	696
19	697	697	697	697	698	698	698	699	699	698	698	698	698	697	697	696	696	696	696	696	696	697	697	697	697	699	696
20	697	697	697	697	697	698	698	699	699	699	698	698	698	698	697	697	696	696	696	696	696	697	697	697	697	699	696
21	698	698	698	699	699	700	700	701	701	701	701	700	700	699	699	698	698	697	697	697	698	698	698	699	699	701	697
22	699	699	699	699	700	700	701	701	701	701	700	700	700	699	699	698	698	697	697	698	698	699	699	699	699	701	697
23	699	699	699	699	700	700	700	700	700	700	700	699	699	698	698	697	696	696	696	696	697	697	697	697	698	700	696
24	698	697	697	698	698	698	699	699	699	699	699	699	699	698	698	697	698	698	698	698	697	698	699	699	698	699	697
25	699	699	699	699	699	700	700	701	701	700	700	700	699	699	698	697	697	697	697	697	697	698	699	699	699	701	697
26	699	699	699	699	700	700	701	701	701	701	701	700	700	699	699	698	698	697	698	698	699	699	699	700	699	701	697
27	700	701	701	701	701	701	702	702	702	701	701	701	700	699	698	698	698	699	701	701	700	700	700	700	700	702	698
28	700	700	700	700	700	701	701	701	701	701	701	700	700	699	698	698	698	698	698	699	699	699	700	700	700	701	698
29	700	700	699	699	699	699	700	700	701	700	700	700	699	699	698	698	697	697	697	698	698	699	699	699	699	701	697
30	699	699	699	699	699	700	700	701	701	701	700	700	699	698	698	697	697	696	696	696	697	697	698	699	699	701	696
Avg	698	698	698	698	698	699	699	699	699	699	699	699	698	698	697	697	696	696	696	697	697	697	698	698	698	--	--
Max	700	701	701	701	701	701	702	702	702	701	701	701	700	699	699	698	698	699	701	701	700	700	700	700	--	702	--
Min	695	695	695	695	695	696	696	696	696	696	696	695	695	694	694	693	693	693	693	694	694	694	694	694	--	--	693

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

SAROAD for Resolution, East_Plant

"Component, Channel: Table125, conc_PM10_µg/m^3_STP"

Month: Apr 2015

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	19.4	14.8	19.3	18.2	12.5	14.7	15.8	21.5	15.9	19.4	12.6	--	12.7	23.2	25.6	24.4	24.4	26.6	13.9	13.8	12.6	11.4	11.4	13.6	17.3	26.6	11.4
2	15.9	19.3	11.3	13.5	10.1	19.0	7.8	29.2	10.2	12.5	12.5	12.6	20.7	17.2	13.8	18.4	19.6	20.7	19.5	18.3	13.7	19.3	19.3	23.7	16.6	29.2	7.8
3	16.8	20.2	19.0	15.6	22.3	21.1	26.7	32.2	26.8	23.6	23.7	23.9	21.7	16.1	29.9	18.4	12.7	28.7	26.3	20.5	22.6	23.7	19.1	19.1	22.1	32.2	12.7
4	15.8	19.1	15.7	20.1	22.3	16.7	15.5	15.7	18.2	21.7	16.1	16.2	25.5	22.1	19.7	26.7	24.3	19.6	27.6	18.4	26.4	21.8	24.0	20.5	20.4	27.6	15.5
5	17.1	23.8	24.8	31.4	19.1	12.3	11.2	13.5	15.9	14.8	14.9	18.4	15.0	13.9	23.2	34.9	37.2	26.6	26.6	13.8	14.9	20.6	17.1	11.4	19.7	37.2	11.2
6	7.9	7.9	20.2	9.0	7.9	7.8	6.7	46.0	15.9	14.8	12.5	17.2	--	--	18.4	18.5	18.4	17.3	21.8	19.4	22.7	21.6	14.7	14.7	16.4	46.0	6.7
7	19.2	11.3	13.5	13.5	13.5	10.1	9.0	10.1	9.0	12.5	13.7	12.6	10.3	12.6	20.8	30.0	18.5	24.2	16.1	19.4	28.4	22.7	28.3	18.0	16.5	30.0	9.0
8	12.4	13.5	15.7	22.4	21.2	23.4	20.0	21.1	16.7	26.9	21.3	23.7	32.8	27.2	30.7	34.1	26.1	36.2	28.2	28.1	21.3	15.7	28.0	14.5	23.4	36.2	12.4
9	13.3	13.3	11.1	8.9	10.0	18.7	18.7	23.3	17.9	16.9	20.4	21.6	24.0	27.6	31.1	26.5	28.8	32.1	30.8	28.4	30.5	28.1	24.7	26.9	22.2	32.1	8.9
10	25.8	25.7	28.0	30.2	21.2	24.5	15.6	29.1	31.6	29.6	29.7	21.8	19.5	23.0	19.6	18.5	24.2	20.7	26.3	19.4	19.3	18.1	13.5	14.7	22.9	31.6	13.5
11	14.7	20.3	15.7	20.2	20.2	21.2	16.7	25.8	30.6	25.1	32.0	28.7	17.3	15.0	20.8	24.3	18.4	12.7	17.2	10.3	18.2	16.0	14.8	14.8	19.6	32.0	10.3
12	19.3	20.4	18.0	21.4	22.5	16.9	16.8	19.1	15.7	13.5	12.4	14.7	18.2	15.9	23.9	21.6	31.9	27.3	28.4	20.4	20.3	18.1	13.5	15.7	19.4	31.9	12.4
13	14.6	14.5	12.2	10.0	10.0	10.0	13.3	17.8	21.3	18.0	27.2	20.5	18.3	18.4	27.7	27.7	31.2	23.1	27.6	28.6	29.7	29.5	22.6	23.7	20.7	31.2	10.0
14	12.4	14.6	19.1	14.6	13.4	11.2	19.0	20.2	15.8	13.6	18.3	21.8	11.5	18.5	18.5	27.9	22.1	16.2	19.7	25.4	23.1	27.6	20.6	17.2	18.4	27.9	11.2
15	14.8	13.7	12.5	10.2	10.2	21.4	13.5	21.5	14.8	20.5	30.8	67.5	101.0	116.0	111.0	103.0	98.6	53.8	39.9	31.8	41.8	37.1	35.8	34.5	44.0	116.0	10.2
16	35.5	21.0	16.5	7.7	7.7	16.4	16.4	14.3	10.0	10.0	11.1	12.3	21.2	23.5	19.1	22.4	19.1	19.0	14.5	17.8	14.4	15.5	14.3	14.3	16.4	35.5	7.7
17	13.2	12.1	14.3	14.3	13.2	12.1	17.5	23.1	17.8	14.5	13.5	12.4	13.5	11.3	11.3	34.0	28.3	19.2	20.3	20.3	13.5	16.8	13.4	13.4	16.4	34.0	11.3
18	13.4	13.4	13.5	12.3	10.1	12.2	27.8	16.8	19.1	11.3	13.6	18.2	19.5	27.5	18.4	31.1	17.3	17.3	19.5	12.6	18.3	12.6	18.3	21.7	17.3	31.1	10.1
19	19.4	15.9	15.9	26.0	21.5	21.4	18.0	22.5	19.3	19.4	31.0	20.7	20.8	27.8	22.1	20.9	17.5	15.1	15.0	15.0	16.1	12.6	13.7	12.5	19.2	31.0	12.5
20	10.3	12.5	14.8	18.1	13.6	13.5	14.7	14.7	19.4	16.1	38.0	23.2	25.6	17.5	19.9	21.1	18.7	19.8	17.4	13.9	15.0	20.6	11.4	24.0	18.1	38.0	10.3
21	25.0	17.0	14.7	13.6	12.4	13.5	18.0	19.2	17.1	16.0	13.8	12.7	11.6	14.0	15.1	18.6	18.6	18.6	16.2	15.0	13.8	22.9	23.9	20.4	16.7	25.0	11.6
22	19.3	13.6	9.0	6.7	4.5	4.5	6.7	5.6	8.0	12.5	14.9	11.5	6.9	18.5	13.9	15.1	20.9	17.4	17.3	29.9	20.6	23.9	20.5	18.1	14.1	29.9	4.5
23	13.5	14.6	11.2	12.3	14.5	13.4	12.3	16.9	19.2	11.4	18.3	18.3	13.8	21.9	21.9	20.8	18.4	19.6	20.6	27.4	18.2	20.4	26.0	27.0	18.0	27.4	11.2
24	22.4	23.4	15.6	21.1	18.9	17.8	15.5	14.4	11.1	12.2	16.8	10.0	10.1	13.5	14.6	11.3	12.4	15.8	15.8	14.7	13.5	12.3	13.4	19.1	15.2	23.4	10.0
25	21.3	24.6	25.6	18.9	21.1	11.1	10.0	12.2	11.2	17.9	14.6	20.4	18.2	16.0	17.2	28.7	41.2	28.5	17.1	19.2	7.9	10.0	11.1	10.0	18.1	41.2	7.9
26	41.0	5.5	6.6	7.7	8.8	12.1	13.2	11.0	5.5	1.1	4.4	8.8	11.1	13.3	12.3	10.1	6.7	3.4	3.4	4.5	5.5	2.2	4.4	0.0	8.5	41.0	0.0
27	-2.2	2.2	3.3	2.2	2.2	5.5	3.3	3.4	7.9	11.3	9.1	6.8	8.0	9.2	8.1	8.1	18.4	2.3	6.9	6.8	3.4	6.8	7.9	6.8	6.2	18.4	-2.2
28	6.8	6.7	7.8	6.7	5.6	6.7	7.8	10.1	25.8	17.0	18.2	16.0	12.6	9.2	6.9	3.5	5.8	10.4	11.5	9.1	11.3	10.2	5.7	5.6	9.9	25.8	3.5
29	4.5	2.3	3.4	4.5	10.1	14.6	19.1	24.8	17.0	26.3	17.2	15.0	11.6	13.9	10.5	7.0	8.2	7.0	7.0	6.9	5.8	3.4	4.6	5.7	10.4	26.3	2.3
30	4.6	6.8	12.5	12.5	-17.0	11.3	12.5	13.7	12.7	13.9	14.0	11.7	8.2	--	9.4	8.3	7.1	9.4	10.6	12.9	11.7	10.5	10.4	8.1	9.4	14.0	-17.0
Avg	16.2	14.8	14.7	14.8	12.8	14.5	14.6	19.0	16.6	16.5	18.2	18.6	19.4	21.6	21.9	23.9	23.2	20.3	19.4	18.1	17.8	17.7	16.9	16.3	17.8	--	--
Max	41.0	25.7	28.0	31.4	22.5	24.5	27.8	46.0	31.6	29.6	38.0	67.5	101.0	116.0	111.0	103.0	98.6	53.8	39.9	31.8	41.8	37.1	35.8	34.5	--	116.0	--
Min	-2.2	2.2	3.3	2.2	-17.0	4.5	3.3	3.4	5.5	1.1	4.4	6.8	6.9	9.2	6.9	3.5	5.8	2.3	3.4	4.5	3.4	2.2	4.4	0.0	--	--	-17.0

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant

"Component, Channel: Table125, conc_PM10_µg/m^3_STP"

Month: May 2015

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	6.9	6.9	6.9	6.9	6.9	6.8	5.7	8.0	12.7	11.6	10.5	14.1	15.3	10.6	10.6	15.4	15.4	14.2	11.8	18.8	10.5	10.5	11.7	15.2	11.0	18.8	5.7
2	15.1	13.9	25.4	16.1	13.8	12.6	14.8	14.9	16.1	15.0	12.7	12.8	12.9	14.1	20.0	21.2	38.9	23.5	16.4	16.3	211.0	27.9	24.3	40.4	27.1	211.0	12.6
3	29.9	28.6	18.3	11.4	11.4	9.1	12.5	19.4	18.4	10.4	9.3	10.5	12.8	9.4	8.2	10.6	15.2	15.2	11.7	10.5	11.6	13.9	17.2	10.3	14.0	29.9	8.2
4	5.7	3.4	4.5	5.6	5.6	3.4	2.2	3.4	4.5	4.5	3.4	3.4	4.6	5.8	9.2	12.6	19.3	4.5	5.6	4.5	5.6	20.2	19.0	13.4	7.2	20.2	2.2
5	11.2	10.0	11.2	14.5	13.4	11.1	11.2	12.3	10.1	10.1	12.4	10.2	9.1	11.3	11.4	17.1	17.2	13.8	13.7	14.8	11.4	12.4	14.7	12.4	12.4	17.2	9.1
6	9.0	7.9	7.9	7.9	11.2	13.5	17.9	18.1	8.0	12.5	18.3	14.9	13.8	10.4	8.1	10.4	12.8	15.1	19.7	24.2	13.8	13.7	13.7	15.9	13.3	24.2	7.9
7	15.8	21.4	18.0	20.2	12.3	14.6	13.5	11.3	10.2	12.4	12.5	11.4	13.8	12.6	9.2	11.5	15.0	15.0	16.0	12.5	12.5	19.3	23.8	20.3	14.8	23.8	9.2
8	25.9	21.3	17.9	17.9	12.3	17.8	8.9	12.3	14.5	14.6	13.5	13.5	28.1	27.0	24.8	40.7	34.9	34.8	23.5	21.3	17.9	6.7	8.9	12.2	19.6	40.7	6.7
9	18.8	8.8	9.9	8.8	8.8	9.9	8.8	7.7	6.6	6.7	6.7	8.9	6.7	4.5	7.9	9.0	9.0	10.1	10.1	11.2	7.8	5.6	10.0	12.2	9.0	18.8	4.5
10	7.8	5.5	6.7	5.6	6.7	10.0	9.0	9.0	10.1	10.2	6.8	8.0	6.9	5.7	9.2	8.1	6.9	9.2	10.3	10.3	9.1	5.7	7.9	9.0	8.1	10.3	5.5
11	7.9	7.9	7.9	9.0	11.3	23.6	19.2	28.4	19.5	10.4	11.6	9.3	11.7	14.0	10.5	12.9	14.1	11.7	12.9	12.8	11.6	8.1	11.5	12.6	12.9	28.4	7.9
12	18.4	11.4	17.0	17.0	13.6	11.3	12.4	16.0	14.9	13.8	21.8	19.6	16.1	13.8	18.5	13.8	15.0	16.1	20.7	18.3	18.3	21.7	17.1	11.3	16.2	21.8	11.3
13	11.3	14.6	14.6	13.4	10.0	6.7	9.0	9.0	7.9	5.7	5.7	17.3	11.6	9.3	9.3	10.5	7.0	7.0	10.4	8.1	6.9	8.0	19.5	17.1	10.4	19.5	5.7
14	18.3	17.1	17.1	20.5	13.7	20.4	15.9	13.6	13.7	16.0	16.0	16.1	17.3	13.9	32.4	45.2	45.1	32.2	50.4	44.4	40.9	35.1	33.9	21.4	25.4	50.4	13.6
15	16.8	11.2	13.4	15.6	14.5	13.3	14.5	13.4	8.9	11.2	--	14.7	12.4	10.1	12.4	10.2	10.1	6.7	2.2	4.5	4.5	5.6	6.7	7.8	10.5	16.8	2.2
16	3.3	1.1	1.1	-1.1	0.0	-2.2	-2.2	2.2	1.1	2.2	3.3	0.0	-1.1	2.2	3.4	0.0	1.1	0.0	1.1	4.5	5.6	5.5	4.4	3.3	1.6	5.6	-2.2
17	5.5	6.7	7.8	4.4	1.1	1.1	4.4	7.8	6.8	3.4	4.5	5.7	5.7	4.6	2.3	1.2	2.3	4.6	5.7	4.6	3.4	5.7	4.5	2.3	4.4	7.8	1.1
18	5.7	5.6	5.6	7.8	7.8	6.7	6.7	10.2	21.7	10.3	21.9	10.4	9.2	11.5	15.0	13.9	13.9	21.9	21.9	12.6	24.0	6.8	9.1	7.9	12.0	24.0	5.6
19	5.6	5.6	9.0	9.0	6.7	8.9	10.0	9.0	7.9	10.2	9.1	9.1	12.6	14.9	15.0	15.0	18.4	18.4	16.1	17.2	19.3	12.4	13.5	13.5	11.9	19.3	5.6
20	12.4	11.3	12.4	13.5	13.4	20.1	18.0	21.5	28.6	19.6	15.0	13.9	12.8	15.2	12.9	10.5	18.6	19.7	19.7	15.0	15.0	14.9	18.3	20.5	16.4	28.6	10.5
21	14.8	12.5	12.4	14.7	14.7	12.4	11.3	29.4	16.0	26.4	19.6	15.0	16.2	17.4	19.7	17.4	16.3	32.5	33.5	36.7	27.4	18.2	11.4	11.3	19.1	36.7	11.3
22	11.3	11.3	9.0	5.6	6.7	23.5	15.7	14.6	13.6	12.5	12.6	10.3	9.2	13.8	20.7	32.1	29.8	28.5	37.5	14.6	19.1	24.7	23.5	36.9	18.2	37.5	5.6
23	32.3	31.1	29.9	30.0	31.1	28.7	32.2	32.4	36.9	23.6	21.4	40.7	30.6	27.3	21.7	20.6	22.9	31.9	29.6	27.2	26.0	30.5	20.2	25.8	28.5	40.7	20.2
24	22.4	21.3	21.3	19.0	10.1	16.7	15.7	18.0	16.9	13.6	12.5	14.9	12.6	19.5	10.3	18.4	11.5	18.4	17.2	14.8	11.4	12.5	14.7	12.5	15.7	22.4	10.1
25	18.1	14.6	12.4	12.4	13.5	26.9	11.2	11.3	9.1	9.1	13.7	14.9	13.8	11.5	12.7	15.1	13.9	9.3	10.4	10.4	10.3	12.6	12.5	13.7	13.1	26.9	9.1
26	13.6	10.2	11.4	11.3	10.2	11.3	12.5	18.2	20.6	11.5	21.9	27.9	17.5	14.0	12.9	14.0	14.0	18.6	17.4	16.2	21.9	13.8	13.9	15.0	15.4	27.9	10.2
27	14.9	14.9	14.8	14.7	14.7	14.7	17.0	20.5	21.8	19.6	32.3	19.8	19.9	19.9	18.7	11.7	14.1	19.9	15.2	14.0	12.8	12.7	15.0	11.5	16.9	32.3	11.5
28	10.4	13.8	13.7	10.2	10.2	10.2	18.2	19.6	22.0	16.3	15.1	18.7	10.6	11.8	14.1	18.9	11.8	12.9	18.8	30.4	12.8	18.6	13.9	13.9	15.3	30.4	10.2
29	12.8	12.7	12.7	10.3	5.7	6.9	11.4	13.9	16.3	19.7	16.3	18.7	12.9	13.0	8.3	4.7	5.9	5.9	7.1	8.2	10.5	9.3	11.6	10.4	11.1	19.7	4.7
30	4.6	5.8	8.1	9.2	9.2	8.0	8.1	11.6	12.9	11.7	18.8	17.7	16.6	16.6	16.7	15.5	13.1	19.0	14.2	14.2	15.3	16.4	12.8	10.5	12.8	19.0	4.6
31	9.3	10.5	11.6	11.6	11.5	10.3	13.9	25.6	28.1	27.1	22.5	29.7	22.6	17.9	23.9	29.9	26.3	22.6	13.1	15.4	14.2	10.6	11.7	11.7	18.0	29.9	9.3
Avg	13.4	12.2	12.6	12.0	10.7	12.5	12.2	14.9	14.7	13.0	14.1	14.6	13.4	13.0	13.9	15.7	16.4	16.6	16.6	15.8	20.7	14.2	14.5	14.6	14.3	--	--
Max	32.3	31.1	29.9	30.0	31.1	28.7	32.2	32.4	36.9	27.1	32.3	40.7	30.6	27.3	32.4	45.2	45.1	34.8	50.4	44.4	211.0	35.1	33.9	40.4	--	211.0	--
Min	3.3	1.1	1.1	-1.1	0.0	-2.2	-2.2	2.2	1.1	2.2	3.3	0.0	-1.1	2.2	2.3	0.0	1.1	0.0	1.1	4.5	3.4	5.5	4.4	2.3	--	--	-2.2

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant

"Component, Channel: Table125, conc_PM10_µg/m^3_STP"

Month: Jun 2015

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	11.7	13.9	13.9	9.3	6.9	6.9	9.2	10.5	10.5	10.5	9.4	11.8	13.0	19.0	13.0	22.6	19.0	16.6	16.6	16.5	11.8	11.7	14.0	9.3	12.8	22.6	6.9
2	11.6	24.3	17.3	8.1	6.9	6.9	12.6	15.0	23.3	35.0	22.3	17.7	11.8	27.3	22.6	23.8	20.2	29.7	20.1	18.9	18.8	17.6	16.4	14.0	18.4	35.0	6.9
3	12.8	12.8	12.8	12.8	10.4	18.4	20.8	20.9	15.1	15.2	15.3	10.6	9.5	10.7	13.1	23.8	26.2	19.0	22.5	20.0	11.7	19.9	19.8	17.5	16.3	26.2	9.5
4	19.7	11.5	11.5	18.4	16.0	17.2	49.4	22.0	19.8	22.3	--	15.3	14.2	13.0	20.0	30.4	16.3	16.3	38.3	21.7	8.0	10.2	8.0	6.9	18.5	49.4	6.9
5	10.3	9.1	9.1	8.0	7.9	7.9	4.5	2.3	3.4	4.5	10.3	12.6	9.2	9.3	9.3	8.2	11.6	10.5	9.3	9.2	10.3	12.6	12.5	12.5	8.9	12.6	2.3
6	12.5	10.3	10.3	9.2	9.1	10.3	13.7	16.1	15.0	15.1	10.4	10.5	17.5	10.5	12.9	10.6	11.8	16.4	14.1	14.0	12.8	12.7	13.8	11.5	12.5	17.5	9.1
7	9.2	8.1	6.9	10.3	10.3	9.1	12.6	12.7	11.6	7.0	8.2	7.1	7.1	8.3	4.7	3.5	3.6	3.5	4.7	4.7	4.7	7.0	9.3	7.0	7.5	12.7	3.5
8	5.8	5.8	6.9	6.9	6.9	4.6	25.3	8.1	28.0	7.0	7.1	9.5	9.5	8.3	9.5	9.5	9.5	8.3	10.7	11.9	10.6	8.3	11.8	21.1	10.5	28.0	4.6
9	12.8	14.0	13.9	12.6	11.5	9.2	9.2	8.0	6.9	10.4	10.4	20.9	9.3	11.7	9.4	8.2	10.5	8.1	9.3	10.4	10.4	17.4	15.0	13.8	11.4	20.9	6.9
10	10.4	6.9	9.2	13.7	9.2	11.4	14.9	11.5	11.5	9.2	9.3	11.6	12.8	16.4	15.3	24.7	15.3	14.1	10.5	11.7	12.8	8.1	7.0	5.8	11.8	24.7	5.8
11	4.6	6.9	9.2	6.9	5.7	8.0	12.6	11.5	11.6	19.8	19.9	21.1	23.5	22.4	28.3	20.1	20.1	20.1	--	41.1	21.1	18.7	18.6	15.1	16.8	41.1	4.6
12	12.7	12.7	11.5	8.1	10.4	11.5	11.5	18.6	11.7	11.7	11.8	13.0	14.3	11.9	14.3	14.3	11.9	13.1	11.9	14.2	21.2	11.8	10.5	11.7	12.8	21.2	8.1
13	12.8	14.0	16.3	14.0	11.6	12.7	17.3	11.6	14.0	16.4	28.3	8.3	21.4	13.1	13.2	14.3	14.4	17.9	14.3	15.4	20.1	16.5	16.4	14.1	15.4	28.3	8.3
14	10.5	9.4	10.5	14.0	18.6	22.0	20.8	22.2	18.8	21.2	15.4	14.2	14.3	13.2	12.0	12.0	8.4	8.4	13.2	15.5	15.5	11.9	9.5	11.9	14.3	22.2	8.4
15	10.7	9.5	10.6	9.4	11.7	16.3	15.2	17.7	21.3	34.2	23.7	20.3	18.0	19.3	24.1	18.1	21.7	13.2	15.6	15.6	11.9	14.3	17.7	28.3	17.4	34.2	9.4
16	10.6	14.2	16.5	12.8	11.6	13.9	12.8	21.2	17.7	15.4	14.3	10.8	12.0	14.5	19.3	15.7	22.9	24.1	21.6	17.9	16.7	19.0	17.8	22.3	16.5	24.1	10.6
17	21.0	17.5	18.6	27.9	12.8	74.1	25.6	34.1	20.1	21.4	19.1	16.8	14.4	13.2	13.3	19.3	15.7	16.9	19.3	16.8	22.7	22.7	20.3	15.5	21.6	74.1	12.8
18	13.1	20.1	21.2	16.5	16.4	15.2	22.3	20.1	25.0	27.4	18.0	15.6	14.4	13.3	13.3	20.5	22.9	27.7	24.1	21.6	16.7	15.5	20.2	22.6	19.3	27.7	13.1
19	16.6	19.0	13.1	14.2	14.1	14.1	16.4	17.7	138.0	27.4	37.1	20.4	20.5	21.7	14.5	20.5	24.2	13.3	18.0	9.6	7.2	5.9	5.9	7.1	21.5	138.0	5.9
20	8.2	10.6	8.2	7.0	10.6	12.8	12.8	12.9	20.2	11.9	14.3	16.8	15.6	13.2	20.5	19.3	14.5	20.5	20.4	17.9	23.9	16.6	23.6	17.8	15.4	23.9	7.0
21	19.0	26.0	22.3	31.5	31.4	25.6	24.4	24.4	23.3	19.9	25.8	24.8	20.1	28.6	27.5	25.1	26.3	25.1	26.2	27.3	24.9	24.9	17.7	16.6	24.5	31.5	16.6
22	15.4	16.5	18.7	19.8	22.1	19.7	20.8	11.6	18.7	17.6	20.1	17.8	20.3	14.3	19.2	10.8	20.4	15.6	22.7	20.2	16.6	23.6	18.9	18.9	18.3	23.6	10.8
23	19.9	17.6	18.7	16.4	19.8	15.1	24.5	25.8	16.5	23.6	19.0	25.0	17.9	19.1	22.8	32.5	28.9	30.1	31.2	31.1	29.8	20.3	17.9	16.6	22.5	32.5	15.1
24	14.2	20.1	14.1	17.6	11.6	32.6	37.4	36.2	38.8	40.2	32.0	29.7	40.6	27.6	25.2	27.7	81.5	90.6	71.6	13.0	10.6	20.0	17.6	17.5	32.0	90.6	10.6
25	19.8	16.3	16.3	13.9	12.7	10.4	18.6	21.1	23.5	23.6	30.9	35.7	35.9	30.0	26.4	30.1	33.7	31.2	28.8	28.7	27.4	27.3	30.8	30.7	25.2	35.9	10.4
26	24.7	24.6	22.2	24.5	22.1	26.7	20.9	19.8	18.6	22.2	25.9	26.0	22.5	28.6	25.1	35.9	38.2	26.3	33.3	30.9	26.1	29.6	22.5	26.0	26.0	38.2	18.6
27	30.5	22.2	17.5	12.8	14.0	15.1	13.9	14.0	14.1	15.3	15.4	14.3	23.9	19.2	32.4	20.4	127.0	29.2	35.5	17.1	9.2	5.8	6.9	6.9	22.2	127.0	5.8
28	5.7	4.6	9.2	8.1	9.2	9.2	8.1	8.1	7.0	18.9	13.0	15.4	14.3	13.2	14.4	19.0	12.8	15.3	15.4	61.3	31.7	26.9	20.9	25.7	16.1	61.3	4.6
29	24.5	23.3	17.4	19.6	19.7	18.5	15.1	12.9	22.2	15.3	18.9	16.6	19.0	13.1	19.2	22.7	33.4	35.8	43.0	41.6	260.0	271.0	314.0	205.0	62.6	314.0	12.9
30	26.9	23.3	36.1	41.8	33.6	54.3	54.5	32.6	17.5	18.7	14.1	21.3	19.0	21.5	25.1	35.7	34.5	30.9	29.6	35.5	28.3	33.0	34.1	26.9	30.4	54.5	14.1
Avg	14.6	14.8	14.7	14.9	13.8	17.7	19.3	17.4	21.5	18.6	17.9	17.0	17.2	16.8	18.0	20.0	25.2	21.6	22.5	21.0	25.1	25.3	26.3	22.5	19.3	--	--
Max	30.5	26.0	36.1	41.8	33.6	74.1	54.5	36.2	138.0	40.2	37.1	35.7	40.6	30.0	32.4	35.9	127.0	90.6	71.6	61.3	260.0	271.0	314.0	205.0	--	314.0	--
Min	4.6	4.6	6.9	6.9	5.7	4.6	4.5	2.3	3.4	4.5	7.1	7.1	7.1	8.3	4.7	3.5	3.6	3.5	4.7	4.7	4.7	5.8	5.9	5.8	--	--	2.3

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant

"Component, Channel: Table126, conc_$PM_{2.5}$_µg/m^3 Actual"

Month: Apr 2015

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	4.0	5.0	3.0	5.0	5.0	4.0	3.0	4.0	4.0	3.0	3.0	--	1.0	1.0	2.0	4.0	5.0	2.0	2.0	3.0	2.0	1.0	4.0	4.0	3.2	5.0	1.0
2	4.0	5.0	3.0	2.0	3.0	3.0	4.0	5.0	3.0	3.0	3.0	2.0	1.0	2.0	3.0	4.0	3.0	3.0	6.0	5.0	5.0	6.0	5.0	4.0	3.6	6.0	1.0
3	5.0	5.0	4.0	5.0	6.0	4.0	6.0	6.0	5.0	3.0	1.0	3.0	5.0	4.0	5.0	4.0	2.0	4.0	7.0	6.0	4.0	3.0	2.0	3.0	4.3	7.0	1.0
4	3.0	1.0	2.0	5.0	5.0	6.0	3.0	3.0	6.0	4.0	6.0	6.0	2.0	2.0	4.0	4.0	2.0	2.0	4.0	5.0	6.0	6.0	4.0	4.0	4.0	6.0	1.0
5	6.0	6.0	6.0	7.0	5.0	6.0	6.0	4.0	4.0	4.0	2.0	1.0	2.0	2.0	3.0	3.0	1.0	1.0	3.0	4.0	2.0	1.0	4.0	4.0	3.6	7.0	1.0
6	0.0	1.0	3.0	2.0	3.0	7.0	6.0	4.0	6.0	5.0	6.0	5.0	--	--	3.0	5.0	3.0	2.0	5.0	4.0	3.0	7.0	7.0	6.0	4.2	7.0	0.0
7	6.0	5.0	5.0	4.0	4.0	4.0	4.0	3.0	3.0	6.0	5.0	2.0	0.0	0.0	3.0	2.0	0.0	2.0	2.0	2.0	5.0	7.0	6.0	6.0	3.6	7.0	0.0
8	5.0	4.0	6.0	6.0	7.0	6.0	4.0	5.0	7.0	7.0	5.0	2.0	1.0	3.0	3.0	2.0	5.0	6.0	6.0	8.0	7.0	8.0	5.0	3.0	5.0	8.0	1.0
9	2.0	1.0	1.0	1.0	2.0	2.0	4.0	5.0	4.0	5.0	6.0	7.0	7.0	7.0	11.0	9.0	6.0	7.0	6.0	8.0	8.0	8.0	8.0	7.0	5.5	11.0	1.0
10	6.0	7.0	8.0	7.0	4.0	5.0	8.0	8.0	8.0	5.0	7.0	9.0	7.0	4.0	2.0	2.0	4.0	5.0	5.0	4.0	6.0	6.0	4.0	4.0	5.6	9.0	2.0
11	5.0	5.0	7.0	9.0	8.0	6.0	6.0	6.0	5.0	6.0	7.0	6.0	6.0	5.0	4.0	6.0	4.0	2.0	2.0	2.0	4.0	4.0	4.0	4.0	5.1	9.0	2.0
12	3.0	6.0	6.0	3.0	3.0	4.0	6.0	7.0	8.0	6.0	3.0	1.0	1.0	2.0	3.0	4.0	4.0	5.0	3.0	4.0	6.0	4.0	4.0	7.0	4.3	8.0	1.0
13	5.0	4.0	5.0	3.0	6.0	6.0	4.0	4.0	5.0	7.0	8.0	7.0	5.0	3.0	2.0	3.0	4.0	6.0	8.0	6.0	6.0	6.0	6.0	5.0	5.2	8.0	2.0
14	4.0	3.0	4.0	4.0	4.0	5.0	6.0	2.0	1.0	4.0	3.0	3.0	3.0	3.0	3.0	2.0	4.0	4.0	2.0	3.0	4.0	4.0	4.0	4.0	3.5	6.0	1.0
15	4.0	5.0	5.0	4.0	5.0	6.0	5.0	5.0	4.0	4.0	8.0	10.0	12.0	17.0	10.0	11.0	11.0	9.0	7.0	7.0	5.0	3.0	3.0	5.0	6.9	17.0	3.0
16	5.0	4.0	2.0	-1.0	1.0	3.0	4.0	3.0	2.0	2.0	0.0	-2.0	-1.0	-1.0	1.0	3.0	3.0	3.0	2.0	2.0	3.0	0.0	1.0	3.0	1.8	5.0	-2.0
17	1.0	-1.0	0.0	1.0	1.0	1.0	2.0	3.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	3.0	4.0	4.0	6.0	5.0	2.0	2.0	4.0	2.0	6.0	-1.0
18	5.0	1.0	0.0	2.0	5.0	6.0	4.0	2.0	2.0	2.0	3.0	3.0	4.0	3.0	1.0	2.0	3.0	3.0	3.0	3.0	6.0	5.0	3.0	3.0	3.1	6.0	0.0
19	4.0	3.0	4.0	4.0	4.0	5.0	4.0	3.0	4.0	4.0	5.0	5.0	3.0	3.0	5.0	5.0	3.0	2.0	1.0	4.0	7.0	6.0	4.0	5.0	4.0	7.0	1.0
20	4.0	4.0	4.0	5.0	6.0	5.0	2.0	4.0	4.0	2.0	6.0	6.0	2.0	3.0	2.0	2.0	3.0	2.0	3.0	4.0	3.0	4.0	5.0	5.0	3.8	6.0	2.0
21	4.0	3.0	3.0	3.0	4.0	4.0	4.0	4.0	5.0	5.0	3.0	2.0	2.0	1.0	2.0	4.0	4.0	3.0	0.0	0.0	1.0	1.0	3.0	4.0	2.9	5.0	0.0
22	2.0	0.0	2.0	3.0	2.0	2.0	0.0	2.0	3.0	2.0	2.0	2.0	3.0	3.0	1.0	2.0	5.0	7.0	9.0	7.0	7.0	6.0	5.0	6.0	3.5	9.0	0.0
23	5.0	4.0	2.0	3.0	5.0	4.0	5.0	4.0	2.0	3.0	5.0	5.0	3.0	2.0	5.0	3.0	4.0	4.0	2.0	5.0	8.0	9.0	6.0	5.0	4.3	9.0	2.0
24	5.0	6.0	7.0	6.0	5.0	4.0	6.0	7.0	5.0	4.0	4.0	4.0	5.0	6.0	6.0	6.0	6.0	6.0	7.0	6.0	6.0	8.0	7.0	6.0	5.8	8.0	4.0
25	4.0	3.0	4.0	5.0	5.0	5.0	5.0	5.0	5.0	6.0	8.0	7.0	5.0	5.0	4.0	3.0	5.0	6.0	5.0	5.0	5.0	4.0	4.0	5.0	4.9	8.0	3.0
26	9.0	8.0	1.0	3.0	5.0	4.0	3.0	0.0	2.0	2.0	3.0	4.0	6.0	9.0	7.0	5.0	0.0	-1.0	1.0	3.0	6.0	3.0	2.0	2.0	3.6	9.0	-1.0
27	1.0	1.0	-1.0	0.0	0.0	2.0	2.0	2.0	2.0	1.0	3.0	2.0	2.0	2.0	1.0	2.0	7.0	6.0	4.0	5.0	4.0	2.0	3.0	3.0	2.3	7.0	-1.0
28	1.0	3.0	2.0	1.0	2.0	4.0	2.0	3.0	3.0	-1.0	1.0	3.0	1.0	0.0	2.0	1.0	2.0	3.0	2.0	4.0	5.0	3.0	2.0	2.0	2.1	5.0	-1.0
29	2.0	4.0	5.0	2.0	1.0	3.0	5.0	5.0	4.0	5.0	5.0	3.0	2.0	3.0	3.0	4.0	5.0	3.0	4.0	4.0	3.0	2.0	3.0	4.0	3.5	5.0	1.0
30	4.0	6.0	6.0	4.0	1.0	2.0	3.0	2.0	0.0	1.0	4.0	1.0	0.0	--	0.0	1.0	4.0	3.0	4.0	5.0	2.0	3.0	6.0	4.0	2.9	6.0	0.0
Avg	3.9	3.7	3.6	3.6	3.9	4.3	4.2	4.0	3.9	3.7	4.2	3.8	3.1	3.4	3.4	3.6	3.8	3.8	4.0	4.5	4.8	4.4	4.2	4.4	3.9	--	--
Max	9.0	8.0	8.0	9.0	8.0	7.0	8.0	8.0	8.0	7.0	8.0	10.0	12.0	17.0	11.0	11.0	11.0	9.0	9.0	8.0	8.0	9.0	8.0	7.0	--	17.0	--
Min	0.0	-1.0	-1.0	-1.0	0.0	1.0	0.0	0.0	0.0	-1.0	0.0	-2.0	-1.0	-1.0	0.0	1.0	0.0	-1.0	0.0	0.0	1.0	0.0	1.0	2.0	--	--	-2.0

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant

"Component, Channel: Table126, conc_$PM_{2.5}$_µg/m^3 Actual"

Month: May 2015

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	1.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	3.0	5.0	6.0	4.0	3.0	3.0	1.0	4.0	5.0	5.0	2.5	6.0	0.0
2	4.0	0.0	0.0	3.0	5.0	3.0	3.0	4.0	3.0	2.0	0.0	2.0	4.0	2.0	3.0	5.0	5.0	4.0	4.0	2.0	19.0	0.0	0.0	3.0	3.3	19.0	0.0
3	4.0	2.0	4.0	5.0	3.0	4.0	4.0	3.0	5.0	6.0	4.0	2.0	1.0	2.0	2.0	1.0	0.0	0.0	3.0	3.0	1.0	3.0	3.0	3.0	2.8	6.0	0.0
4	3.0	-1.0	1.0	2.0	1.0	1.0	-1.0	0.0	1.0	1.0	1.0	2.0	2.0	2.0	5.0	5.0	6.0	5.0	1.0	2.0	2.0	3.0	3.0	3.0	2.1	6.0	-1.0
5	5.0	5.0	5.0	4.0	5.0	5.0	4.0	5.0	6.0	6.0	6.0	4.0	4.0	3.0	3.0	3.0	3.0	4.0	3.0	4.0	3.0	1.0	1.0	2.0	3.9	6.0	1.0
6	4.0	2.0	3.0	3.0	4.0	4.0	6.0	8.0	6.0	5.0	4.0	5.0	4.0	0.0	1.0	2.0	3.0	5.0	4.0	4.0	6.0	4.0	3.0	5.0	4.0	8.0	0.0
7	6.0	5.0	4.0	3.0	2.0	4.0	5.0	3.0	3.0	6.0	6.0	6.0	6.0	5.0	5.0	5.0	4.0	5.0	4.0	2.0	4.0	5.0	3.0	4.0	4.4	6.0	2.0
8	5.0	6.0	7.0	5.0	5.0	6.0	2.0	3.0	4.0	4.0	3.0	2.0	5.0	7.0	8.0	9.0	11.0	9.0	6.0	6.0	7.0	5.0	3.0	4.0	5.5	11.0	2.0
9	6.0	5.0	2.0	2.0	4.0	4.0	4.0	4.0	5.0	2.0	-1.0	0.0	1.0	1.0	0.0	2.0	2.0	2.0	4.0	3.0	3.0	2.0	-1.0	2.0	2.4	6.0	-1.0
10	3.0	1.0	2.0	1.0	1.0	2.0	2.0	3.0	4.0	2.0	3.0	4.0	4.0	2.0	2.0	3.0	2.0	4.0	6.0	6.0	5.0	4.0	6.0	5.0	3.2	6.0	1.0
11	1.0	4.0	5.0	3.0	5.0	5.0	5.0	5.0	6.0	5.0	2.0	1.0	1.0	1.0	1.0	0.0	3.0	3.0	2.0	2.0	3.0	6.0	3.0	0.0	3.0	6.0	0.0
12	4.0	4.0	1.0	4.0	6.0	3.0	4.0	5.0	5.0	5.0	5.0	6.0	6.0	6.0	6.0	4.0	2.0	1.0	4.0	5.0	4.0	3.0	5.0	5.0	4.3	6.0	1.0
13	2.0	2.0	3.0	4.0	2.0	1.0	-1.0	0.0	4.0	2.0	0.0	1.0	1.0	1.0	0.0	0.0	-2.0	0.0	4.0	2.0	0.0	2.0	3.0	2.0	1.4	4.0	-2.0
14	2.0	4.0	5.0	4.0	6.0	6.0	6.0	6.0	6.0	4.0	4.0	3.0	3.0	3.0	3.0	8.0	8.0	5.0	5.0	6.0	6.0	6.0	7.0	5.0	5.0	8.0	2.0
15	3.0	4.0	5.0	4.0	2.0	4.0	6.0	6.0	6.0	3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.0	2.0
16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
20	--	--	--	--	--	--	--	--	--	3.0	5.0	5.0	5.0	5.0	6.0	6.0	5.0	3.0	4.0	5.0	6.0	4.0	2.0	3.0	--	6.0	2.0
21	3.0	2.0	3.0	2.0	3.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	4.0	3.0	4.0	4.0	4.0	4.0	5.0	6.0	4.0	4.0	3.0	0.0	3.2	6.0	0.0
22	-1.0	2.0	2.0	0.0	2.0	4.0	4.0	4.0	4.0	1.0	1.0	-1.0	-1.0	2.0	4.0	3.0	3.0	3.0	5.0	5.0	4.0	9.0	8.0	6.0	3.0	9.0	-1.0
23	8.0	7.0	5.0	6.0	7.0	7.0	8.0	6.0	6.0	7.0	4.0	4.0	7.0	6.0	4.0	3.0	5.0	6.0	6.0	7.0	6.0	4.0	5.0	7.0	5.9	8.0	3.0
24	7.0	7.0	6.0	4.0	4.0	6.0	5.0	3.0	3.0	3.0	3.0	2.0	4.0	4.0	3.0	4.0	6.0	4.0	6.0	5.0	3.0	3.0	4.0	4.0	4.3	7.0	2.0
25	6.0	7.0	5.0	5.0	3.0	5.0	4.0	4.0	5.0	5.0	6.0	2.0	-1.0	3.0	3.0	4.0	4.0	2.0	3.0	5.0	4.0	4.0	3.0	3.0	3.9	7.0	-1.0
26	6.0	6.0	6.0	4.0	6.0	6.0	6.0	5.0	3.0	-1.0	0.0	5.0	6.0	2.0	2.0	2.0	0.0	1.0	3.0	4.0	4.0	2.0	2.0	3.0	3.5	6.0	-1.0
27	3.0	3.0	3.0	4.0	3.0	3.0	3.0	4.0	4.0	4.0	6.0	6.0	3.0	1.0	-1.0	-1.0	1.0	3.0	2.0	3.0	4.0	3.0	5.0	4.0	3.0	6.0	-1.0
28	3.0	3.0	3.0	2.0	3.0	6.0	5.0	4.0	5.0	3.0	3.0	2.0	4.0	4.0	2.0	2.0	1.0	1.0	3.0	3.0	3.0	3.0	5.0	6.0	3.3	6.0	1.0
29	3.0	3.0	6.0	4.0	0.0	2.0	2.0	2.0	4.0	4.0	5.0	5.0	4.0	3.0	1.0	4.0	4.0	0.0	2.0	2.0	1.0	3.0	5.0	2.0	3.0	6.0	0.0
30	-1.0	2.0	3.0	5.0	4.0	4.0	4.0	3.0	5.0	5.0	4.0	4.0	3.0	3.0	4.0	2.0	-1.0	0.0	2.0	2.0	3.0	5.0	4.0	3.0	3.0	5.0	-1.0
31	2.0	2.0	3.0	4.0	4.0	3.0	3.0	3.0	2.0	3.0	5.0	5.0	4.0	1.0	1.0	2.0	5.0	6.0	5.0	4.0	3.0	2.0	2.0	3.0	3.2	6.0	1.0
Avg	3.6	3.4	3.6	3.4	3.5	3.9	3.7	3.8	4.2	3.5	3.2	3.2	3.2	2.8	2.9	3.4	3.5	3.2	3.8	3.9	4.2	3.6	3.5	3.5	3.5	--	--
Max	8.0	7.0	7.0	6.0	7.0	7.0	8.0	8.0	6.0	7.0	6.0	6.0	7.0	7.0	8.0	9.0	11.0	9.0	6.0	7.0	19.0	9.0	8.0	7.0	--	19.0	--
Min	-1.0	-1.0	0.0	0.0	0.0	1.0	-1.0	0.0	1.0	-1.0	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	-2.0	0.0	1.0	2.0	0.0	0.0	-1.0	0.0	--	--	-2.0

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant

"Component, Channel: Table126, conc_$PM_{2.5}$_µg/m^3 Actual"

Month: Jun 2015

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	4.0	3.0	2.0	1.0	0.0	2.0	2.0	0.0	2.0	2.0	-1.0	1.0	2.0	1.0	1.0	2.0	3.0	4.0	4.0	1.0	3.0	6.0	2.0	2.1	6.0	-1.0
2	0.0	1.0	1.0	3.0	5.0	4.0	4.0	5.0	5.0	7.0	7.0	6.0	5.0	5.0	3.0	4.0	4.0	2.0	4.0	8.0	6.0	2.0	2.0	3.0	4.0	8.0	0.0
3	4.0	3.0	2.0	4.0	6.0	3.0	1.0	4.0	4.0	5.0	6.0	4.0	1.0	-1.0	0.0	2.0	4.0	5.0	1.0	0.0	5.0	6.0	2.0	2.0	3.0	6.0	-1.0
4	3.0	3.0	4.0	6.0	4.0	3.0	4.0	4.0	5.0	5.0	--	5.0	6.0	5.0	5.0	4.0	4.0	2.0	2.0	3.0	4.0	3.0	3.0	3.0	3.9	6.0	2.0
5	4.0	6.0	6.0	4.0	4.0	3.0	1.0	2.0	5.0	6.0	5.0	5.0	4.0	6.0	3.0	1.0	2.0	2.0	3.0	6.0	5.0	3.0	4.0	3.0	3.9	6.0	1.0
6	1.0	3.0	5.0	3.0	5.0	7.0	7.0	6.0	5.0	4.0	4.0	7.0	5.0	2.0	2.0	2.0	3.0	1.0	0.0	1.0	2.0	2.0	1.0	1.0	3.3	7.0	0.0
7	2.0	2.0	3.0	3.0	2.0	5.0	6.0	2.0	0.0	0.0	-1.0	1.0	2.0	-1.0	1.0	3.0	0.0	-1.0	2.0	5.0	4.0	2.0	3.0	2.0	2.0	6.0	-1.0
8	1.0	0.0	1.0	4.0	4.0	4.0	3.0	2.0	2.0	0.0	-1.0	1.0	2.0	1.0	-1.0	-1.0	1.0	2.0	1.0	1.0	4.0	3.0	4.0	4.0	1.8	4.0	-1.0
9	2.0	3.0	1.0	1.0	2.0	2.0	2.0	1.0	0.0	2.0	2.0	1.0	2.0	3.0	4.0	4.0	3.0	3.0	3.0	1.0	3.0	5.0	8.0	8.0	2.8	8.0	0.0
10	5.0	4.0	3.0	0.0	1.0	5.0	6.0	3.0	1.0	1.0	4.0	4.0	5.0	6.0	4.0	5.0	3.0	3.0	1.0	1.0	1.0	0.0	-2.0	-2.0	2.6	6.0	-2.0
11	-3.0	-3.0	1.0	1.0	0.0	-1.0	-2.0	-1.0	1.0	3.0	6.0	6.0	4.0	3.0	4.0	4.0	3.0	4.0	--	6.0	5.0	5.0	6.0	5.0	2.5	6.0	-3.0
12	4.0	5.0	6.0	5.0	5.0	4.0	4.0	3.0	1.0	3.0	3.0	1.0	3.0	2.0	4.0	7.0	6.0	5.0	5.0	4.0	4.0	6.0	6.0	4.0	4.2	7.0	1.0
13	5.0	5.0	4.0	7.0	7.0	2.0	2.0	3.0	2.0	4.0	8.0	5.0	3.0	3.0	2.0	3.0	3.0	3.0	4.0	8.0	7.0	4.0	4.0	5.0	4.3	8.0	2.0
14	4.0	2.0	3.0	4.0	3.0	4.0	8.0	8.0	3.0	2.0	2.0	2.0	1.0	0.0	0.0	1.0	2.0	3.0	3.0	4.0	4.0	4.0	5.0	2.0	3.1	8.0	0.0
15	3.0	4.0	3.0	2.0	3.0	6.0	5.0	5.0	4.0	4.0	4.0	4.0	4.0	3.0	5.0	4.0	2.0	1.0	3.0	4.0	3.0	4.0	7.0	8.0	4.0	8.0	1.0
16	4.0	3.0	6.0	7.0	3.0	1.0	3.0	3.0	3.0	1.0	3.0	4.0	5.0	6.0	4.0	3.0	3.0	4.0	4.0	5.0	6.0	6.0	6.0	7.0	4.2	7.0	1.0
17	6.0	5.0	6.0	7.0	7.0	6.0	8.0	4.0	3.0	5.0	4.0	3.0	5.0	6.0	5.0	5.0	5.0	2.0	2.0	6.0	7.0	8.0	5.0	4.0	5.2	8.0	2.0
18	5.0	5.0	5.0	4.0	4.0	6.0	7.0	6.0	6.0	8.0	7.0	5.0	4.0	2.0	1.0	4.0	5.0	3.0	2.0	5.0	6.0	5.0	5.0	7.0	4.9	8.0	1.0
19	7.0	4.0	2.0	4.0	5.0	4.0	3.0	4.0	95.0	4.0	7.0	8.0	7.0	7.0	4.0	3.0	3.0	4.0	3.0	2.0	0.0	1.0	3.0	4.0	7.8	95.0	0.0
20	1.0	0.0	1.0	1.0	3.0	2.0	2.0	2.0	3.0	3.0	5.0	6.0	4.0	4.0	3.0	6.0	7.0	6.0	9.0	9.0	9.0	9.0	8.0	9.0	4.7	9.0	0.0
21	9.0	7.0	5.0	8.0	11.0	11.0	6.0	5.0	7.0	8.0	7.0	6.0	5.0	5.0	6.0	6.0	7.0	6.0	7.0	9.0	9.0	8.0	6.0	7.0	7.1	11.0	5.0
22	5.0	3.0	4.0	5.0	8.0	7.0	5.0	7.0	7.0	5.0	6.0	6.0	4.0	3.0	5.0	4.0	1.0	2.0	5.0	4.0	3.0	6.0	7.0	6.0	4.9	8.0	1.0
23	7.0	7.0	7.0	7.0	7.0	6.0	10.0	9.0	7.0	10.0	8.0	7.0	6.0	6.0	6.0	6.0	7.0	8.0	9.0	10.0	7.0	5.0	6.0	6.0	7.3	10.0	5.0
24	4.0	4.0	4.0	4.0	6.0	7.0	16.0	10.0	10.0	8.0	8.0	10.0	9.0	8.0	7.0	7.0	10.0	13.0	12.0	7.0	7.0	9.0	10.0	10.0	8.3	16.0	4.0
25	8.0	7.0	7.0	7.0	7.0	8.0	9.0	7.0	7.0	7.0	7.0	6.0	6.0	8.0	9.0	7.0	7.0	10.0	8.0	7.0	6.0	6.0	8.0	5.0	7.3	10.0	5.0
26	5.0	6.0	5.0	7.0	7.0	6.0	6.0	4.0	6.0	7.0	5.0	6.0	6.0	6.0	7.0	8.0	8.0	9.0	11.0	8.0	7.0	7.0	6.0	6.0	6.6	11.0	4.0
27	8.0	5.0	5.0	5.0	4.0	3.0	4.0	6.0	4.0	1.0	3.0	4.0	3.0	4.0	6.0	6.0	7.0	5.0	8.0	9.0	2.0	1.0	4.0	2.0	4.5	9.0	1.0
28	4.0	5.0	4.0	1.0	2.0	4.0	3.0	4.0	4.0	5.0	4.0	3.0	6.0	7.0	7.0	6.0	3.0	5.0	6.0	5.0	5.0	5.0	5.0	5.0	4.5	7.0	1.0
29	5.0	5.0	3.0	1.0	2.0	5.0	3.0	2.0	1.0	3.0	6.0	6.0	7.0	5.0	3.0	5.0	6.0	6.0	7.0	9.0	25.0	31.0	35.0	26.0	8.6	35.0	1.0
30	3.0	3.0	5.0	5.0	6.0	6.0	6.0	7.0	5.0	1.0	2.0	4.0	4.0	4.0	7.0	6.0	6.0	5.0	6.0	6.0	6.0	7.0	7.0	6.0	5.1	7.0	1.0
Avg	4.0	3.7	3.8	4.1	4.5	4.4	4.8	4.3	6.9	4.1	4.6	4.5	4.3	4.0	3.9	4.2	4.2	4.2	4.7	5.2	5.4	5.5	6.0	5.3	4.6	--	--
Max	9.0	7.0	7.0	8.0	11.0	11.0	16.0	10.0	95.0	10.0	8.0	10.0	9.0	8.0	9.0	8.0	10.0	13.0	12.0	10.0	25.0	31.0	35.0	26.0	--	95.0	--
Min	-3.0	-3.0	1.0	0.0	0.0	-1.0	-2.0	-1.0	0.0	0.0	-1.0	-1.0	1.0	-1.0	-1.0	-1.0	0.0	-1.0	0.0	0.0	0.0	0.0	-2.0	-2.0	--	--	-3.0

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant
"Component, Channel: Table125, conc_PM10_µg/m^3 STP"
Month: Apr 2015

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	15.4	13.2	18.7	13.1	18.6	30.5	28.3	26.3	13.3	12.2	--	12.3	19.1	27.0	29.3	21.4	19.1	18.0	15.7	15.6	12.2	9.9	17.6	--	18.5	30.5	9.9
2	10.9	10.9	8.7	7.6	9.8	7.6	21.7	10.9	9.9	7.7	8.9	21.0	8.9	16.7	10.0	21.2	16.7	18.9	21.1	11.0	12.1	17.5	24.0	22.8	14.0	24.0	7.6
3	21.7	23.8	13.0	14.1	16.2	25.8	19.4	16.2	20.7	18.6	16.5	15.4	18.8	13.4	14.5	16.8	15.6	31.2	41.0	19.8	31.8	22.9	30.6	18.6	20.7	41.0	13.0
4	15.2	13.0	8.7	17.4	18.5	18.5	19.6	14.2	17.6	21.0	15.6	15.7	12.4	12.4	13.5	13.5	18.0	31.4	48.0	18.9	61.9	17.6	15.4	18.7	19.9	61.9	8.7
5	18.6	26.2	18.5	16.3	14.1	11.9	20.6	7.6	9.9	13.3	12.2	10.1	13.5	13.5	9.0	36.1	31.6	14.6	12.3	40.0	17.7	13.2	12.1	10.9	16.8	40.0	7.6
6	9.8	7.6	6.5	6.5	6.5	19.5	38.8	20.7	12.1	7.7	18.8	15.5	53.3	30.2	32.4	15.7	15.7	22.3	24.4	12.1	21.9	15.3	26.1	15.2	19.0	53.3	6.5
7	19.5	11.9	14.1	14.1	10.8	10.8	22.6	15.2	12.0	9.9	12.2	27.8	7.8	11.2	38.0	20.1	23.5	24.6	18.9	28.7	24.1	36.1	20.7	6.5	18.4	38.0	6.5
8	29.3	11.9	14.0	19.4	34.4	12.9	53.4	--	--	--	--	--	26.3	45.0	38.5	22.0	27.5	29.6	26.2	25.0	20.6	20.6	24.8	23.6	26.6	53.4	11.9
9	8.6	9.6	8.6	10.7	18.2	13.9	29.9	79.3	14.1	14.2	17.5	18.7	27.7	25.6	24.5	24.6	30.1	34.4	25.4	30.8	24.0	30.5	22.8	26.0	23.7	79.3	8.6
10	30.2	25.9	28.0	34.5	20.5	21.5	35.4	32.5	34.9	40.7	25.4	20.0	20.1	19.0	50.2	53.6	43.6	17.8	57.7	19.9	22.0	29.5	15.3	25.1	30.1	57.7	15.3
11	27.2	27.2	19.5	27.1	21.6	29.1	30.2	21.8	21.9	18.7	27.7	27.8	17.9	14.6	12.3	21.3	24.6	20.1	28.9	45.5	44.1	37.3	101.0	30.6	29.1	101.0	12.3
12	13.1	24.0	32.7	38.1	19.6	41.2	136.0	74.8	24.9	17.4	18.6	18.7	33.1	56.4	23.2	58.5	24.3	29.8	45.2	17.5	20.8	24.0	32.6	24.9	35.4	136.0	13.1
13	29.2	18.3	9.7	11.8	15.0	25.7	49.2	18.3	11.9	19.6	16.5	24.3	18.9	27.9	29.1	89.5	16.8	28.0	25.6	25.5	26.5	22.0	23.1	23.0	25.2	89.5	9.7
14	15.3	14.2	24.1	14.2	14.2	27.3	30.5	27.3	26.3	13.2	8.9	8.9	17.9	29.2	24.8	49.5	22.6	30.4	16.9	21.3	31.2	26.6	25.3	16.5	22.4	49.5	8.9
15	12.1	13.1	12.0	9.8	23.9	17.4	33.7	18.6	14.3	18.8	36.6	108.0	118.0	132.0	132.0	75.8	85.7	38.8	36.4	29.6	29.5	29.3	23.8	32.3	45.0	132.0	9.8
16	32.1	21.4	9.6	7.5	7.4	9.6	35.9	25.5	7.5	36.5	23.8	45.3	19.5	20.6	29.3	19.6	15.2	14.1	18.4	18.3	12.9	12.8	13.9	11.7	19.5	45.3	7.4
17	8.5	8.5	9.6	11.7	18.1	13.7	46.6	18.2	15.1	16.2	18.4	25.0	25.1	13.1	31.8	12.1	16.5	15.4	16.4	13.1	14.1	14.1	13.0	10.8	16.9	46.6	8.5
18	11.9	11.8	10.8	10.7	19.3	20.4	27.9	15.2	12.0	11.0	14.3	27.6	15.5	45.6	13.4	20.1	54.8	19.0	50.1	49.8	46.2	14.3	21.9	11.0	23.1	54.8	10.7
19	13.1	15.3	15.2	21.8	17.3	33.5	25.9	18.6	12.1	18.8	16.7	24.6	17.9	31.5	38.4	11.3	9.0	9.0	13.5	15.6	13.3	13.3	17.7	15.5	18.3	38.4	9.0
20	14.3	11.0	9.9	12.1	10.9	21.8	162.0	24.2	13.3	11.1	17.9	18.0	27.1	14.7	32.9	10.2	12.5	14.7	15.8	14.6	14.5	14.5	12.2	23.2	22.2	162.0	9.9
21	22.0	17.5	33.9	15.2	14.1	12.0	22.9	13.1	32.0	13.3	13.4	12.3	12.3	20.3	24.9	14.7	14.7	15.8	130.0	32.3	17.7	22.1	26.4	18.6	23.8	130.0	12.0
22	17.5	10.9	10.9	8.7	9.7	9.7	45.4	12.0	9.9	8.8	7.8	6.7	9.0	9.0	6.8	7.9	11.2	17.9	25.7	13.3	13.3	14.3	19.8	18.6	13.5	45.4	6.7
23	14.2	11.9	10.9	9.7	20.5	17.2	29.2	17.4	13.1	14.3	14.4	13.4	21.2	44.5	30.1	22.3	12.3	20.1	23.3	22.1	13.2	13.2	27.3	26.1	19.2	44.5	9.7
24	17.3	20.5	16.1	15.0	18.3	9.7	11.8	11.8	11.8	11.9	10.8	11.8	13.0	13.1	18.5	6.6	10.9	13.2	9.9	10.9	14.1	14.1	9.7	10.8	13.0	20.5	6.6
25	19.4	17.2	16.1	16.1	16.0	12.8	11.8	9.7	10.8	13.1	9.8	9.9	18.7	11.1	12.2	27.9	23.3	18.8	12.1	14.3	13.1	7.6	5.4	6.4	13.9	27.9	5.4
26	22.4	-1.1	-1.1	-1.1	1.1	3.2	6.4	7.5	4.3	2.1	5.3	8.6	9.7	10.8	8.7	5.4	3.3	5.4	3.3	0.0	0.0	0.0	2.2	4.3	4.6	22.4	-1.1
27	2.1	2.1	3.2	2.1	3.2	2.1	1.1	1.1	1.1	3.3	3.3	-1.1	2.2	4.5	5.6	--	0.0	0.0	4.4	7.7	7.7	7.7	8.7	5.5	3.4	8.7	-1.1
28	5.4	5.5	9.8	13.1	8.7	9.8	9.8	7.6	8.7	8.8	8.8	5.5	2.2	1.1	3.4	7.8	3.4	-3.4	0.0	8.9	11.0	1.1	-3.3	3.3	5.7	13.1	-3.4
29	4.4	3.3	3.3	2.2	2.2	3.3	9.8	12.0	18.7	14.4	14.5	11.2	9.0	5.6	6.8	5.7	2.3	3.4	2.3	4.5	6.7	7.8	6.7	3.3	6.8	18.7	2.2
30	5.6	5.6	5.5	7.8	3.3	4.4	7.7	7.8	11.2	20.2	5.7	8.0	--	10.3	11.4	10.3	5.7	4.6	6.8	10.2	7.9	6.7	6.7	6.7	7.8	20.2	3.3
Avg	16.2	13.8	13.4	13.6	14.4	16.6	34.1	20.2	14.7	15.1	15.0	19.7	21.2	24.3	25.2	24.9	20.3	18.6	25.8	19.9	20.2	17.2	20.1	16.2	19.2	--	--
Max	32.1	27.2	33.9	38.1	34.4	41.2	162.0	79.3	34.9	40.7	36.6	108.0	118.0	132.0	132.0	89.5	85.7	38.8	130.0	49.8	61.9	37.3	101.0	32.3	--	162.0	--
Min	2.1	-1.1	-1.1	-1.1	1.1	2.1	1.1	1.1	1.1	2.1	3.3	-1.1	2.2	1.1	3.4	5.4	0.0	-3.4	0.0	0.0	0.0	0.0	-3.3	3.3	--	--	-3.4

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant

"Component, Channel: Table125, conc_PM10_µg/m^3 STP"

Month: May 2015

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	12.2	11.1	7.7	18.7	5.5	11.0	11.1	10.1	12.4	23.7	31.8	17.1	8.0	18.4	16.1	13.8	12.6	14.8	22.7	12.4	12.4	10.1	12.3	14.0	31.8	5.5
2	11.1	6.7	7.8	9.9	11.0	33.0	72.7	11.1	10.0	11.2	10.1	6.8	9.1	11.4	12.5	13.7	19.4	14.8	14.8	17.0	193.0	25.9	41.5	49.1	26.0	193.0	6.7
3	32.2	21.0	11.0	11.0	13.2	17.6	21.9	11.1	8.9	8.9	11.2	9.0	10.2	10.2	6.8	9.1	10.2	6.8	17.0	1.1	5.6	11.2	18.8	7.7	12.2	32.2	1.1
4	7.6	5.5	2.2	3.3	3.3	1.1	3.3	5.4	2.2	3.3	4.4	3.3	3.3	5.6	6.7	17.8	20.8	4.3	1.1	2.2	6.5	7.6	19.5	10.8	6.3	20.8	1.1
5	7.6	4.3	3.2	4.3	6.5	7.6	7.6	8.7	6.5	5.5	4.4	5.5	7.7	8.8	12.2	12.2	11.1	11.1	16.6	6.6	52.8	11.0	9.9	10.9	10.1	52.8	3.2
6	8.7	4.4	6.6	10.9	12.0	9.8	7.6	8.8	8.8	6.6	10.0	11.1	8.9	9.0	7.9	11.3	11.3	10.1	20.2	12.3	13.3	13.2	8.8	9.9	10.1	20.2	4.4
7	13.1	17.4	15.2	18.4	12.9	11.8	19.4	13.1	14.2	12.1	8.8	10.0	10.0	12.3	15.6	14.6	12.3	10.1	11.1	16.6	9.9	12.1	15.4	17.5	13.5	19.4	8.8
8	20.6	14.1	11.9	11.9	17.2	15.0	18.2	17.3	15.1	18.5	34.8	25.0	25.0	37.1	40.5	36.1	33.8	23.9	18.5	11.9	13.0	11.9	11.8	10.7	20.6	40.5	10.7
9	10.7	9.6	5.3	5.3	7.4	9.5	8.5	5.3	4.3	6.4	5.4	2.2	6.5	6.5	6.6	9.9	9.8	8.7	9.8	6.5	4.3	6.5	9.7	9.7	7.3	10.7	2.2
10	6.4	4.3	6.4	6.4	7.5	5.4	7.5	9.8	16.4	5.5	8.8	14.3	11.1	4.5	3.3	5.6	4.5	7.8	7.8	5.5	8.8	11.0	9.8	9.8	7.8	16.4	3.3
11	8.7	6.6	6.5	4.4	8.7	13.1	9.9	8.9	8.9	6.7	5.6	3.4	2.3	3.4	6.8	9.1	6.8	5.7	8.0	6.8	4.5	6.7	6.7	11.1	7.1	13.1	2.3
12	13.3	9.9	7.7	6.6	6.6	20.8	18.6	8.8	8.9	10.0	13.4	15.6	12.3	23.5	12.3	16.8	9.0	10.1	13.4	14.4	15.5	14.3	14.3	12.1	12.8	23.5	6.6
13	10.9	6.5	4.4	6.5	5.4	2.2	1.1	3.3	6.6	5.5	4.4	5.6	6.7	5.6	2.3	0.0	4.5	5.6	6.7	7.8	6.7	6.7	8.9	14.4	5.8	14.4	0.0
14	21.0	16.5	16.5	22.0	9.9	16.5	13.2	9.9	10.0	14.4	12.3	9.0	24.7	16.9	68.8	45.1	40.5	32.4	41.0	39.7	28.6	37.3	25.1	13.1	24.3	68.8	9.0
15	14.1	13.0	9.7	11.9	11.8	12.9	11.8	9.7	10.8	11.9	18.5	12.1	14.3	16.3	13.1	12.0	10.9	7.5	3.2	3.2	2.2	2.2	4.3	5.4	10.1	18.5	2.2
16	4.3	1.1	0.0	1.1	1.1	2.1	2.1	0.0	1.1	-1.1	-2.1	2.1	2.2	-1.1	0.0	1.1	-1.1	1.1	4.3	3.2	4.3	7.5	6.4	3.2	1.8	7.5	-2.1
17	2.1	2.2	3.2	4.3	6.5	6.5	7.6	7.6	5.5	3.3	3.3	2.2	0.0	-1.1	2.2	4.5	3.3	4.5	6.7	4.4	3.3	5.5	4.4	4.4	4.0	7.6	-1.1
18	6.5	6.5	3.3	3.3	4.4	6.5	6.6	5.5	7.7	10.0	10.1	7.9	6.7	11.2	13.4	9.0	10.1	11.2	10.0	10.0	11.1	11.0	7.7	7.6	8.2	13.4	3.3
19	10.9	7.6	4.3	5.4	7.5	9.7	11.8	9.8	9.8	8.8	6.6	16.6	8.9	42.3	11.2	13.4	13.4	16.7	12.2	12.2	16.6	11.0	9.9	9.8	11.9	42.3	4.3
20	9.8	10.9	15.2	16.3	16.4	12.0	12.0	--	--	10.1	11.2	11.3	10.1	6.8	7.9	7.9	6.8	11.3	13.5	19.0	14.5	13.3	13.2	12.1	11.9	19.0	6.8
21	17.5	18.6	8.8	8.7	12.0	25.1	21.9	15.4	12.1	11.1	14.5	12.3	12.4	14.7	15.8	19.2	12.4	23.7	31.3	23.3	24.3	13.2	10.9	12.0	16.3	31.3	8.7
22	14.2	9.8	8.7	7.6	8.7	9.7	7.6	9.8	9.9	5.5	5.6	20.0	40.1	33.4	21.2	58.0	23.3	23.2	26.4	9.8	20.7	13.0	17.3	32.4	18.2	58.0	5.5
23	26.9	30.1	24.7	26.8	33.2	29.9	21.4	25.9	30.3	21.8	21.8	36.2	24.2	23.1	24.3	21.0	22.1	33.2	44.1	22.0	17.5	17.5	24.0	36.9	26.6	44.1	17.5
24	22.8	15.2	20.6	17.3	17.3	20.5	29.2	15.3	14.2	13.2	17.7	7.8	20.0	7.8	8.9	7.8	5.6	10.0	10.0	7.7	11.0	13.2	14.2	17.5	14.4	29.2	5.6
25	5.5	7.6	12.0	14.1	35.8	19.5	17.4	9.9	9.9	14.4	11.1	8.9	10.0	7.8	10.1	13.5	13.5	12.3	11.2	11.2	12.2	25.4	18.7	9.9	13.4	35.8	5.5
26	11.0	12.1	17.5	19.7	19.6	44.6	21.8	11.0	16.6	14.5	17.9	18.0	23.7	32.8	21.5	10.2	9.1	11.3	14.7	28.1	13.4	16.7	10.0	12.2	17.8	44.6	9.1
27	11.0	11.0	14.3	13.2	14.2	14.2	17.6	13.2	16.6	22.3	20.1	24.8	17.0	32.9	30.7	8.0	9.1	11.3	24.9	20.3	7.8	8.9	18.9	7.8	16.3	32.9	7.8
28	9.9	8.8	11.0	15.4	14.3	30.7	34.1	37.7	26.8	19.2	28.2	15.9	22.7	16.0	26.3	11.4	12.6	11.4	12.5	14.7	16.9	19.1	15.6	14.5	18.6	37.7	8.8
29	12.3	8.9	11.1	16.6	23.1	55.0	25.5	14.5	12.4	18.0	20.3	11.4	19.4	19.4	11.5	6.9	2.3	4.6	10.3	8.0	7.9	10.2	33.6	11.2	15.6	55.0	2.3
30	20.1	11.1	10.0	11.1	18.8	12.2	--	--	--	--	19.4	24.1	16.1	11.5	6.9	10.4	19.6	8.1	10.3	9.2	9.1	8.0	10.2	9.0	12.8	24.1	6.9
31	9.0	14.6	14.6	14.5	13.4	13.4	25.7	12.4	12.4	18.2	16.0	13.8	21.9	17.3	17.4	22.0	16.2	23.1	18.5	8.0	6.9	6.8	29.4	12.4	15.8	29.4	6.8
Avg	12.6	10.6	9.8	10.8	12.8	15.9	16.5	11.4	11.3	10.9	12.8	12.8	13.7	14.6	14.9	14.6	12.8	12.5	15.0	12.4	18.5	12.6	14.8	13.5	13.3	--	--
Max	32.2	30.1	24.7	26.8	35.8	55.0	72.7	37.7	30.3	22.3	34.8	36.2	40.1	42.3	68.8	58.0	40.5	33.2	44.1	39.7	193.0	37.3	41.5	49.1	--	193.0	--
Min	2.1	1.1	0.0	1.1	1.1	1.1	1.1	0.0	1.1	-1.1	-2.1	2.1	0.0	-1.1	0.0	0.0	-1.1	1.1	1.1	1.1	2.2	2.2	4.3	3.2	--	--	-2.1

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant

"Component, Channel: Table125, conc_PM10_µg/m^3 STP"

Month: Jun 2015

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	12.4	10.1	8.9	7.8	5.6	21.1	19.0	6.8	6.8	8.0	8.0	40.0	49.4	40.2	70.2	12.7	12.7	12.7	13.8	13.7	11.4	7.9	9.0	10.1	17.4	70.2	5.6
2	7.8	12.3	12.3	8.9	10.0	14.4	24.5	13.5	20.3	19.3	18.2	30.9	10.3	48.3	49.5	13.8	17.3	26.5	18.4	10.3	10.2	11.3	10.1	9.0	17.8	49.5	7.8
3	19.0	8.9	12.2	22.2	20.0	89.7	67.8	13.5	14.7	23.8	8.0	8.0	29.9	20.7	56.4	41.5	33.5	17.3	16.1	18.2	11.3	22.5	13.5	27.9	25.7	89.7	8.0
4	11.2	12.3	14.5	13.4	13.3	30.0	29.0	11.2	12.5	9.1	5.7	--	5.7	11.5	22.9	27.2	10.2	17.0	32.5	20.0	13.3	11.1	6.7	7.8	15.1	32.5	5.7
5	7.8	7.8	6.7	7.8	7.7	6.6	4.4	4.4	6.6	6.6	5.6	6.7	4.5	4.5	6.8	4.5	3.4	6.8	9.0	5.6	6.7	7.8	4.4	4.5	6.1	9.0	3.4
6	7.8	11.1	10.0	8.9	11.1	11.1	8.9	10.0	10.1	7.8	11.2	9.0	5.7	9.1	11.4	13.7	14.8	9.1	10.2	12.4	21.4	13.4	14.5	11.2	11.0	21.4	5.7
7	6.7	10.0	11.1	8.9	10.0	7.8	3.3	5.6	5.6	-2.3	3.4	6.8	3.4	0.0	-2.3	0.0	2.3	3.4	3.4	3.4	3.4	20.3	10.1	9.0	5.6	20.3	-2.3
8	5.6	2.2	23.4	14.5	13.4	46.8	10.1	6.8	37.3	15.9	8.0	3.5	3.5	68.1	19.6	4.6	5.8	6.9	6.9	5.7	8.0	11.4	12.5	12.5	14.7	68.1	2.2
9	11.3	11.3	9.0	8.9	6.7	3.4	6.7	6.7	4.5	4.5	5.6	7.8	10.1	11.3	10.2	6.8	3.4	2.2	6.8	7.8	4.5	6.7	12.3	12.3	7.5	12.3	2.2
10	8.9	6.7	6.7	5.5	6.6	12.2	11.1	10.0	11.1	11.2	11.2	11.3	13.6	13.6	19.3	8.0	6.8	6.8	6.8	5.7	5.6	7.9	6.7	4.5	9.1	19.3	4.5
11	4.5	5.6	5.6	5.6	6.7	10.0	10.0	6.7	9.0	30.5	23.8	23.8	23.9	45.7	44.6	19.5	12.6	12.6	13.7	12.5	11.4	29.4	12.4	10.1	16.3	45.7	4.5
12	7.9	11.2	26.9	17.8	25.6	43.3	52.4	12.3	9.0	26.1	9.1	27.5	24.2	43.9	27.8	8.1	8.1	8.1	9.2	11.5	13.7	10.3	6.8	10.2	18.8	52.4	6.8
13	14.6	10.1	16.8	25.7	37.9	17.8	36.9	6.8	7.9	6.8	3.4	33.3	24.2	16.2	25.5	23.2	17.4	18.6	20.8	11.5	21.8	11.5	12.5	13.7	18.1	37.9	3.4
14	11.3	6.8	18.0	32.5	37.0	34.6	38.1	11.3	11.4	13.7	13.8	11.5	24.3	10.4	11.6	9.3	10.5	9.3	8.1	6.9	3.5	26.3	27.4	29.7	17.4	38.1	3.5
15	12.5	9.1	21.5	44.0	25.9	38.2	121.0	45.3	52.3	18.3	16.1	19.7	41.9	31.6	29.2	16.4	14.0	10.5	12.8	24.4	31.1	22.9	28.6	18.2	29.4	121.0	9.1
16	17.1	10.2	11.3	11.3	10.2	11.3	73.5	14.8	11.5	17.3	12.7	32.5	29.2	23.4	44.5	21.1	12.9	12.9	18.6	11.6	17.3	48.2	18.3	14.9	21.1	73.5	10.2
17	18.2	19.3	15.9	19.3	15.9	20.4	18.1	46.7	10.3	18.5	34.7	25.6	52.5	40.9	46.8	24.6	10.5	19.9	19.9	19.7	22.0	16.2	17.3	14.9	23.7	52.5	10.3
18	14.8	14.8	10.2	18.1	19.2	33.8	272.0	24.1	25.4	46.2	31.3	15.1	31.5	76.0	17.6	27.0	17.6	12.9	21.0	13.9	12.7	19.5	24.0	16.0	33.9	272.0	10.2
19	21.6	22.7	31.8	26.1	47.5	58.6	128.0	21.8	20.7	45.1	--	31.4	30.4	64.4	25.8	14.1	14.1	12.9	18.7	9.3	17.3	12.6	89.0	27.3	34.4	128.0	9.3
20	9.1	6.8	9.0	24.8	76.5	14.6	14.7	30.8	10.3	10.4	79.9	19.8	51.2	16.3	16.4	14.0	14.0	15.2	18.6	17.4	49.5	14.9	18.3	14.8	23.6	79.9	6.8
21	43.2	39.6	24.9	65.3	30.3	42.7	23.6	27.1	24.8	19.3	20.5	24.1	17.2	32.3	22.0	44.1	27.9	25.5	20.8	26.5	25.2	14.9	21.7	17.1	28.4	65.3	14.9
22	36.3	22.6	34.9	20.3	29.1	120.0	128.0	82.2	14.7	17.1	28.6	28.7	26.6	45.2	37.2	10.5	18.6	11.6	29.0	43.8	17.2	22.8	30.7	18.1	36.4	128.0	10.5
23	18.1	20.4	21.4	13.5	25.8	28.1	55.1	34.0	17.1	32.1	25.3	33.5	31.3	51.1	59.4	30.3	21.0	37.3	23.3	30.1	20.8	13.8	44.8	18.3	29.4	59.4	13.5
24	17.2	18.2	15.9	13.6	13.6	35.3	69.4	52.3	36.5	31.0	33.4	30.0	35.9	28.0	42.0	26.9	192.0	117.0	55.0	1.2	5.7	11.4	19.4	14.8	38.2	192.0	1.2
25	13.6	28.4	9.1	11.3	14.7	13.5	18.1	10.2	25.1	40.0	27.6	49.7	36.0	69.8	40.8	28.0	31.5	38.5	32.6	35.9	24.3	66.7	27.5	28.5	30.1	69.8	9.1
26	20.5	13.6	14.7	21.4	23.6	99.9	37.0	20.3	20.4	27.2	23.9	40.1	35.7	46.2	56.8	48.7	40.6	32.4	30.0	23.0	24.1	30.9	24.0	26.2	32.6	99.9	13.6
27	20.4	22.6	15.8	14.7	13.5	12.3	18.0	13.5	12.5	19.4	13.8	18.5	42.8	17.4	38.4	22.2	222.0	37.7	997.0	13.4	10.1	5.6	4.5	4.5	67.1	997.0	4.5
28	5.6	6.7	7.8	7.8	4.5	3.4	6.7	9.0	25.1	13.7	10.3	10.4	12.7	12.8	13.9	15.1	--	14.9	24.2	38.9	26.2	20.4	21.5	24.9	14.6	38.9	3.4
29	19.1	15.8	15.8	20.2	16.8	16.9	25.9	19.2	26.1	23.9	17.2	25.3	33.5	31.2	24.4	25.5	29.0	35.9	54.4	41.5	416.0	361.0	389.0	266.0	81.2	416.0	15.8
30	27.2	33.9	29.3	36.1	39.5	50.6	43.9	44.0	26.0	13.6	25.0	25.2	23.1	46.3	32.4	44.0	38.1	26.5	37.9	27.5	30.9	36.5	22.7	27.2	32.8	50.6	13.6
Avg	15.0	14.4	15.7	18.5	20.6	31.6	45.8	20.7	17.5	19.1	18.5	22.4	25.5	32.5	30.7	20.2	29.7	20.6	53.0	17.5	29.9	30.5	32.0	24.1	25.2	--	--
Max	43.2	39.6	34.9	65.3	76.5	120.0	272.0	82.2	52.3	46.2	79.9	49.7	52.5	76.0	70.2	48.7	222.0	117.0	997.0	43.8	416.0	361.0	389.0	266.0	--	997.0	--
Min	4.5	2.2	5.6	5.5	4.5	3.4	3.3	4.4	4.5	-2.3	3.4	3.5	3.4	0.0	-2.3	0.0	2.3	2.2	3.4	1.2	3.4	5.6	4.4	4.5	--	--	-2.3

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant

"Component, Channel: Table126, conc_PM25_µg/m^3 Actual"

Month: Apr 2015

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	6.0	4.0	2.0	5.0	7.0	6.0	5.0	5.0	2.0	3.0	--	1.0	-3.0	1.0	5.0	2.0	1.0	3.0	1.0	1.0	4.0	3.0	2.0	4.0	3.0	7.0	-3.0
2	4.0	5.0	3.0	3.0	5.0	3.0	6.0	6.0	4.0	3.0	3.0	2.0	2.0	4.0	2.0	1.0	4.0	4.0	6.0	7.0	4.0	4.0	4.0	6.0	4.0	7.0	1.0
3	8.0	8.0	8.0	6.0	6.0	9.0	7.0	4.0	3.0	4.0	6.0	3.0	2.0	3.0	3.0	4.0	4.0	1.0	3.0	8.0	9.0	11.0	7.0	6.0	5.5	11.0	1.0
4	5.0	6.0	7.0	6.0	6.0	7.0	8.0	8.0	6.0	6.0	5.0	4.0	2.0	-1.0	0.0	1.0	3.0	3.0	4.0	5.0	5.0	6.0	6.0	8.0	4.8	8.0	-1.0
5	8.0	7.0	7.0	7.0	9.0	10.0	9.0	--	--	3.0	-2.0	1.0	4.0	3.0	2.0	4.0	3.0	2.0	5.0	3.0	4.0	6.0	4.0	4.0	4.7	10.0	-2.0
6	5.0	3.0	6.0	4.0	3.0	5.0	8.0	6.0	3.0	5.0	4.0	3.0	1.0	-1.0	1.0	2.0	2.0	5.0	6.0	4.0	6.0	6.0	3.0	3.0	3.9	8.0	-1.0
7	6.0	8.0	8.0	7.0	6.0	7.0	8.0	5.0	6.0	7.0	1.0	1.0	2.0	1.0	4.0	3.0	2.0	4.0	4.0	4.0	5.0	5.0	6.0	7.0	4.9	8.0	1.0
8	9.0	9.0	6.0	6.0	5.0	6.0	6.0	6.0	--	--	--	--	5.0	0.0	-2.0	3.0	7.0	7.0	3.0	3.0	4.0	4.0	4.0	3.0	4.7	9.0	-2.0
9	5.0	5.0	4.0	3.0	2.0	4.0	7.0	7.0	6.0	6.0	6.0	5.0	6.0	7.0	6.0	7.0	8.0	6.0	6.0	6.0	7.0	7.0	9.0	7.0	5.9	9.0	2.0
10	8.0	10.0	9.0	8.0	9.0	12.0	9.0	6.0	7.0	6.0	7.0	7.0	5.0	2.0	2.0	7.0	6.0	3.0	3.0	3.0	5.0	7.0	5.0	4.0	6.3	12.0	2.0
11	6.0	6.0	8.0	9.0	6.0	6.0	6.0	5.0	5.0	5.0	5.0	5.0	4.0	2.0	3.0	3.0	5.0	5.0	2.0	2.0	4.0	7.0	10.0	10.0	5.4	10.0	2.0
12	7.0	7.0	9.0	10.0	8.0	8.0	10.0	11.0	10.0	8.0	7.0	6.0	6.0	5.0	6.0	7.0	7.0	7.0	8.0	8.0	7.0	7.0	7.0	9.0	7.7	11.0	5.0
13	9.0	6.0	3.0	5.0	6.0	6.0	8.0	7.0	6.0	6.0	6.0	5.0	4.0	6.0	6.0	6.0	5.0	6.0	8.0	7.0	6.0	7.0	6.0	5.0	6.0	9.0	3.0
14	5.0	3.0	5.0	3.0	3.0	4.0	3.0	2.0	3.0	3.0	3.0	0.0	-1.0	0.0	1.0	2.0	4.0	3.0	4.0	7.0	5.0	4.0	4.0	3.0	3.0	7.0	-1.0
15	4.0	5.0	6.0	8.0	5.0	1.0	2.0	--	--	--	4.0	8.0	16.0	17.0	15.0	10.0	9.0	6.0	6.0	7.0	6.0	6.0	5.0	4.0	7.1	17.0	1.0
16	5.0	4.0	1.0	2.0	4.0	4.0	4.0	5.0	4.0	3.0	3.0	5.0	4.0	3.0	5.0	4.0	2.0	5.0	9.0	4.0	3.0	6.0	4.0	3.0	4.0	9.0	1.0
17	4.0	3.0	1.0	1.0	4.0	4.0	2.0	3.0	1.0	0.0	1.0	-1.0	-1.0	0.0	1.0	4.0	3.0	3.0	1.0	3.0	7.0	7.0	5.0	4.0	2.5	7.0	-1.0
18	2.0	4.0	4.0	3.0	4.0	4.0	6.0	5.0	2.0	--	--	0.0	--	2.0	4.0	4.0	--	--	--	--	6.0	6.0	5.0	4.0	--	6.0	0.0
19	4.0	5.0	4.0	6.0	5.0	4.0	6.0	6.0	--	--	--	6.0	3.0	0.0	2.0	4.0	4.0	4.0	6.0	6.0	6.0	6.0	3.0	2.0	4.4	6.0	0.0
20	3.0	4.0	6.0	5.0	6.0	7.0	9.0	8.0	--	5.0	5.0	3.0	1.0	0.0	2.0	4.0	1.0	1.0	4.0	5.0	6.0	7.0	5.0	3.0	4.4	9.0	0.0
21	4.0	5.0	7.0	8.0	5.0	6.0	8.0	8.0	--	5.0	3.0	2.0	2.0	3.0	3.0	2.0	2.0	2.0	3.0	6.0	4.0	3.0	2.0	--	4.2	8.0	2.0
22	4.0	6.0	3.0	1.0	3.0	5.0	4.0	--	2.0	2.0	1.0	0.0	0.0	2.0	--	5.0	2.0	1.0	3.0	2.0	3.0	5.0	4.0	5.0	2.9	6.0	0.0
23	--	--	--	--	7.0	9.0	6.0	--	--	--	3.0	3.0	3.0	2.0	3.0	3.0	5.0	2.0	3.0	4.0	3.0	6.0	8.0	9.0	--	9.0	2.0
24	--	--	--	7.0	5.0	4.0	5.0	--	9.0	--	--	6.0	4.0	5.0	4.0	8.0	12.0	6.0	3.0	5.0	6.0	7.0	7.0	6.0	6.1	12.0	3.0
25	7.0	5.0	3.0	5.0	--	--	--	5.0	3.0	4.0	7.0	6.0	4.0	2.0	3.0	5.0	4.0	3.0	4.0	6.0	7.0	10.0	10.0	8.0	5.3	10.0	2.0
26	9.0	7.0	4.0	3.0	5.0	5.0	5.0	5.0	6.0	7.0	6.0	4.0	4.0	7.0	7.0	4.0	5.0	5.0	5.0	4.0	3.0	2.0	3.0	4.0	5.0	9.0	2.0
27	4.0	5.0	5.0	5.0	6.0	5.0	4.0	--	2.0	3.0	--	--	--	2.0	-2.0	--	-5.0	-4.0	0.0	2.0	2.0	2.0	4.0	6.0	2.4	6.0	-5.0
28	4.0	5.0	5.0	2.0	3.0	3.0	2.0	3.0	3.0	3.0	2.0	-1.0	-3.0	-2.0	-3.0	-3.0	-2.0	0.0	1.0	0.0	-2.0	1.0	2.0	3.0	1.1	5.0	-3.0
29	3.0	3.0	3.0	4.0	5.0	4.0	5.0	6.0	5.0	3.0	2.0	3.0	2.0	0.0	-1.0	-2.0	-1.0	1.0	--	2.0	4.0	5.0	2.0	0.0	2.5	6.0	-2.0
30	-1.0	0.0	4.0	3.0	2.0	3.0	1.0	--	--	--	-2.0	-4.0	--	-2.0	0.0	1.0	2.0	4.0	1.0	0.0	4.0	2.0	4.0	4.0	1.3	4.0	-4.0
Avg	5.3	5.3	5.0	5.0	5.2	5.6	5.8	5.7	4.5	4.4	3.6	3.0	2.9	2.4	2.8	3.6	3.6	3.4	4.0	4.3	4.8	5.5	5.0	5.0	4.4	--	--
Max	9.0	10.0	9.0	10.0	9.0	12.0	10.0	11.0	10.0	8.0	7.0	8.0	16.0	17.0	15.0	10.0	12.0	7.0	9.0	8.0	9.0	11.0	10.0	10.0	--	17.0	--
Min	-1.0	0.0	1.0	1.0	2.0	1.0	1.0	2.0	1.0	0.0	-2.0	-4.0	-3.0	-2.0	-3.0	-3.0	-5.0	-4.0	0.0	0.0	-2.0	1.0	2.0	0.0	--	--	-5.0

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant

"Component, Channel: Table126, conc_PM25_µg/m^3 Actual"

Month: May 2015

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	3.0	3.0	4.0	4.0	4.0	4.0	1.0	0.0	4.0	5.0	2.0	0.0	-1.0	1.0	3.0	3.0	3.0	4.0	6.0	5.0	4.0	4.0	3.0	6.0	-1.0
2	3.0	5.0	6.0	6.0	6.0	5.0	7.0	6.0	4.0	2.0	-1.0	-2.0	-1.0	2.0	1.0	1.0	3.0	4.0	3.0	2.0	20.0	3.0	2.0	6.0	3.9	20.0	-2.0
3	8.0	7.0	6.0	7.0	7.0	4.0	6.0	6.0	4.0	2.0	1.0	-1.0	-1.0	0.0	2.0	3.0	1.0	-1.0	0.0	3.0	0.0	0.0	2.0	3.0	2.9	8.0	-1.0
4	6.0	4.0	2.0	2.0	2.0	4.0	5.0	-1.0	0.0	3.0	4.0	4.0	2.0	2.0	2.0	4.0	8.0	8.0	4.0	3.0	2.0	3.0	4.0	5.0	3.4	8.0	-1.0
5	5.0	5.0	4.0	3.0	4.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	3.0	1.0	3.0	3.0	4.0	6.0	10.0	11.0	6.0	6.0	5.3	11.0	1.0
6	6.0	6.0	6.0	4.0	5.0	5.0	4.0	4.0	2.0	3.0	5.0	6.0	3.0	0.0	-1.0	-2.0	1.0	1.0	--	--	1.0	5.0	6.0	4.0	3.4	6.0	-2.0
7	6.0	8.0	5.0	5.0	5.0	3.0	5.0	4.0	4.0	6.0	3.0	2.0	4.0	5.0	4.0	1.0	2.0	3.0	3.0	6.0	6.0	6.0	4.0	2.0	4.3	8.0	1.0
8	5.0	6.0	6.0	6.0	6.0	6.0	7.0	6.0	8.0	7.0	5.0	7.0	8.0	7.0	6.0	6.0	7.0	6.0	5.0	3.0	5.0	7.0	7.0	5.0	6.1	8.0	3.0
9	5.0	6.0	6.0	5.0	6.0	8.0	7.0	3.0	3.0	1.0	1.0	--	5.0	5.0	3.0	0.0	3.0	4.0	3.0	--	4.0	4.0	5.0	5.0	4.2	8.0	0.0
10	--	--	5.0	4.0	3.0	4.0	--	--	--	--	2.0	0.0	1.0	1.0	0.0	1.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	5.0	2.1	5.0	0.0
11	3.0	0.0	1.0	3.0	6.0	--	--	8.0	5.0	2.0	2.0	-1.0	-2.0	-1.0	-4.0	-4.0	-3.0	0.0	2.0	4.0	6.0	4.0	2.0	3.0	1.6	8.0	-4.0
12	3.0	2.0	4.0	1.0	2.0	8.0	6.0	4.0	4.0	0.0	-1.0	1.0	1.0	3.0	3.0	1.0	0.0	0.0	3.0	3.0	2.0	4.0	1.0	0.0	2.3	8.0	-1.0
13	-1.0	0.0	4.0	4.0	4.0	2.0	2.0	2.0	0.0	-1.0	1.0	2.0	0.0	-1.0	-1.0	-3.0	-1.0	1.0	1.0	5.0	6.0	3.0	0.0	4.0	1.4	6.0	-3.0
14	4.0	3.0	5.0	3.0	3.0	3.0	5.0	6.0	3.0	3.0	4.0	3.0	5.0	0.0	-1.0	3.0	4.0	4.0	7.0	9.0	7.0	7.0	6.0	7.0	4.3	9.0	-1.0
15	6.0	6.0	7.0	5.0	7.0	8.0	5.0	4.0	4.0	5.0	5.0	4.0	5.0	4.0	4.0	3.0	1.0	3.0	4.0	2.0	4.0	7.0	6.0	2.0	4.6	8.0	1.0
16	3.0	5.0	6.0	6.0	5.0	5.0	3.0	5.0	4.0	2.0	3.0	1.0	0.0	0.0	1.0	3.0	1.0	2.0	4.0	3.0	4.0	3.0	3.0	5.0	3.2	6.0	0.0
17	5.0	2.0	4.0	4.0	3.0	4.0	2.0	0.0	2.0	3.0	2.0	2.0	2.0	0.0	0.0	2.0	3.0	6.0	3.0	0.0	1.0	2.0	6.0	5.0	2.6	6.0	0.0
18	5.0	6.0	6.0	4.0	2.0	6.0	7.0	3.0	1.0	2.0	-1.0	-1.0	0.0	1.0	0.0	1.0	2.0	1.0	1.0	2.0	3.0	3.0	1.0	2.0	2.4	7.0	-1.0
19	1.0	2.0	6.0	6.0	4.0	4.0	6.0	4.0	3.0	5.0	5.0	5.0	3.0	2.0	0.0	1.0	2.0	2.0	5.0	6.0	2.0	5.0	6.0	5.0	3.8	6.0	0.0
20	6.0	6.0	6.0	6.0	6.0	7.0	6.0	--	--	-2.0	-1.0	-1.0	1.0	2.0	1.0	3.0	4.0	4.0	4.0	4.0	3.0	5.0	6.0	3.0	3.6	7.0	-2.0
21	5.0	5.0	5.0	6.0	5.0	3.0	4.0	6.0	4.0	2.0	4.0	6.0	3.0	0.0	-1.0	0.0	1.0	2.0	5.0	5.0	3.0	3.0	7.0	10.0	3.9	10.0	-1.0
22	7.0	5.0	5.0	1.0	1.0	5.0	5.0	3.0	2.0	1.0	1.0	1.0	-2.0	1.0	2.0	3.0	5.0	4.0	4.0	8.0	11.0	9.0	7.0	8.0	4.0	11.0	-2.0
23	9.0	8.0	6.0	9.0	10.0	10.0	10.0	6.0	6.0	4.0	2.0	3.0	6.0	6.0	6.0	6.0	5.0	6.0	6.0	9.0	7.0	6.0	7.0	8.0	6.7	10.0	2.0
24	6.0	6.0	8.0	9.0	6.0	3.0	3.0	2.0	1.0	3.0	3.0	1.0	5.0	5.0	1.0	2.0	2.0	3.0	4.0	2.0	0.0	3.0	5.0	6.0	3.7	9.0	0.0
25	6.0	5.0	4.0	5.0	6.0	6.0	4.0	2.0	2.0	2.0	4.0	4.0	1.0	1.0	2.0	3.0	1.0	2.0	3.0	3.0	2.0	4.0	7.0	7.0	3.6	7.0	1.0
26	4.0	3.0	5.0	2.0	4.0	5.0	2.0	2.0	3.0	2.0	1.0	1.0	2.0	1.0	2.0	4.0	3.0	3.0	2.0	-1.0	0.0	4.0	3.0	4.0	2.5	5.0	-1.0
27	6.0	3.0	2.0	5.0	5.0	5.0	6.0	3.0	3.0	1.0	0.0	3.0	4.0	1.0	0.0	-1.0	-1.0	4.0	6.0	3.0	4.0	4.0	2.0	2.0	2.9	6.0	-1.0
28	5.0	5.0	5.0	3.0	4.0	8.0	6.0	2.0	1.0	1.0	4.0	5.0	1.0	0.0	1.0	4.0	5.0	4.0	4.0	6.0	6.0	5.0	4.0	3.0	3.8	8.0	0.0
29	3.0	5.0	6.0	2.0	1.0	3.0	5.0	5.0	4.0	3.0	0.0	2.0	6.0	3.0	3.0	0.0	-4.0	-3.0	-2.0	0.0	5.0	6.0	3.0	5.0	2.5	6.0	-4.0
30	4.0	2.0	4.0	4.0	4.0	5.0	--	--	--	--	2.0	4.0	1.0	1.0	3.0	2.0	2.0	2.0	2.0	2.0	4.0	5.0	4.0	4.0	3.1	5.0	1.0
31	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.0	3.0	2.0	2.0	3.0	4.0	4.0	3.0	3.0	5.0	4.0	5.0	5.0	4.0	4.0	2.0	1.0	3.9	5.0	1.0
Avg	4.7	4.5	4.9	4.5	4.6	5.1	5.1	3.9	3.1	2.4	2.3	2.5	2.4	2.0	1.4	1.7	2.3	2.8	3.3	3.7	4.5	4.6	4.2	4.5	3.5	--	--
Max	9.0	8.0	8.0	9.0	10.0	10.0	10.0	8.0	8.0	7.0	6.0	7.0	8.0	7.0	6.0	6.0	8.0	8.0	7.0	9.0	20.0	11.0	7.0	10.0	--	20.0	--
Min	-1.0	0.0	1.0	1.0	1.0	2.0	2.0	-1.0	0.0	-2.0	-1.0	-2.0	-2.0	-1.0	-4.0	-4.0	-4.0	-3.0	-2.0	-1.0	0.0	0.0	0.0	0.0	--	--	-4.0

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant

"Component, Channel: Table126, conc_PM25_µg/m^3 Actual"

Month: Jun 2015

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	1.0	2.0	2.0	4.0	3.0	1.0	2.0	3.0	2.0	1.0	-2.0	-1.0	2.0	2.0	4.0	3.0	3.0	7.0	6.0	6.0	7.0	5.0	2.0	0.0	2.7	7.0	-2.0
2	1.0	3.0	3.0	2.0	1.0	0.0	3.0	4.0	0.0	1.0	3.0	1.0	1.0	3.0	4.0	3.0	2.0	1.0	4.0	7.0	7.0	4.0	1.0	1.0	2.5	7.0	0.0
3	2.0	3.0	1.0	1.0	2.0	6.0	8.0	5.0	3.0	2.0	1.0	0.0	2.0	5.0	3.0	3.0	3.0	2.0	3.0	4.0	6.0	6.0	6.0	6.0	3.5	8.0	0.0
4	7.0	7.0	6.0	6.0	7.0	6.0	4.0	3.0	3.0	1.0	-3.0	--	-2.0	2.0	4.0	4.0	2.0	2.0	3.0	3.0	3.0	2.0	3.0	5.0	3.4	7.0	-3.0
5	5.0	3.0	2.0	4.0	7.0	5.0	4.0	6.0	6.0	6.0	6.0	6.0	4.0	2.0	1.0	3.0	5.0	5.0	4.0	6.0	6.0	4.0	2.0	5.0	4.5	7.0	1.0
6	4.0	2.0	6.0	8.0	6.0	5.0	6.0	4.0	3.0	3.0	4.0	4.0	3.0	3.0	2.0	1.0	2.0	4.0	5.0	4.0	1.0	0.0	1.0	3.0	3.5	8.0	0.0
7	3.0	3.0	2.0	3.0	4.0	2.0	0.0	0.0	1.0	-1.0	0.0	-2.0	-4.0	-3.0	-1.0	-1.0	0.0	1.0	1.0	0.0	-1.0	2.0	5.0	5.0	0.8	5.0	-4.0
8	3.0	4.0	6.0	5.0	2.0	3.0	3.0	3.0	4.0	2.0	-4.0	-6.0	-4.0	0.0	2.0	-1.0	-2.0	-1.0	0.0	2.0	2.0	4.0	5.0	3.0	1.5	6.0	-6.0
9	1.0	1.0	6.0	7.0	5.0	5.0	6.0	4.0	1.0	1.0	0.0	3.0	4.0	1.0	1.0	2.0	0.0	-1.0	3.0	6.0	5.0	3.0	5.0	6.0	3.1	7.0	-1.0
10	3.0	1.0	1.0	3.0	2.0	1.0	2.0	1.0	0.0	3.0	3.0	3.0	5.0	4.0	4.0	3.0	2.0	1.0	2.0	4.0	3.0	3.0	3.0	3.0	2.5	5.0	0.0
11	5.0	3.0	3.0	5.0	3.0	0.0	2.0	3.0	3.0	5.0	3.0	1.0	3.0	4.0	5.0	4.0	6.0	6.0	5.0	7.0	6.0	6.0	6.0	3.0	4.0	7.0	0.0
12	3.0	4.0	6.0	8.0	6.0	4.0	2.0	2.0	1.0	1.0	-1.0	-1.0	3.0	4.0	4.0	4.0	4.0	2.0	2.0	5.0	5.0	3.0	4.0	6.0	3.4	8.0	-1.0
13	6.0	2.0	2.0	5.0	8.0	7.0	6.0	5.0	2.0	0.0	2.0	3.0	3.0	5.0	4.0	0.0	2.0	4.0	6.0	8.0	6.0	4.0	3.0	4.0	4.0	8.0	0.0
14	2.0	1.0	5.0	7.0	5.0	2.0	1.0	2.0	3.0	5.0	3.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	5.0	7.0	5.0	5.0	7.0	6.0	3.3	7.0	1.0
15	4.0	4.0	5.0	4.0	5.0	8.0	9.0	7.0	5.0	3.0	2.0	1.0	1.0	2.0	0.0	0.0	2.0	3.0	2.0	1.0	1.0	1.0	3.0	6.0	3.3	9.0	0.0
16	4.0	2.0	3.0	4.0	3.0	3.0	6.0	4.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	5.0	8.0	9.0	8.0	6.0	5.0	3.7	9.0	1.0
17	6.0	6.0	4.0	5.0	6.0	7.0	5.0	4.0	2.0	0.0	0.0	1.0	4.0	4.0	4.0	2.0	0.0	2.0	7.0	9.0	8.0	7.0	3.0	2.0	4.1	9.0	0.0
18	6.0	9.0	7.0	4.0	6.0	8.0	18.0	3.0	5.0	5.0	6.0	6.0	3.0	6.0	6.0	6.0	6.0	6.0	7.0	9.0	8.0	7.0	8.0	7.0	6.8	18.0	3.0
19	5.0	6.0	6.0	5.0	5.0	5.0	7.0	8.0	4.0	6.0	6.0	3.0	3.0	6.0	6.0	5.0	3.0	2.0	2.0	1.0	3.0	2.0	4.0	5.0	4.5	8.0	1.0
20	2.0	4.0	3.0	3.0	3.0	4.0	4.0	3.0	1.0	-2.0	3.0	6.0	6.0	6.0	5.0	5.0	6.0	6.0	5.0	5.0	7.0	10.0	9.0	11.0	4.8	11.0	-2.0
21	10.0	7.0	8.0	10.0	11.0	9.0	7.0	6.0	6.0	5.0	3.0	4.0	4.0	6.0	6.0	5.0	3.0	1.0	5.0	9.0	11.0	11.0	7.0	6.0	6.7	11.0	1.0
22	5.0	4.0	6.0	7.0	7.0	8.0	10.0	10.0	6.0	4.0	6.0	6.0	6.0	4.0	3.0	4.0	4.0	4.0	6.0	9.0	8.0	10.0	13.0	12.0	6.8	13.0	3.0
23	9.0	7.0	5.0	5.0	5.0	7.0	10.0	7.0	4.0	5.0	3.0	3.0	4.0	5.0	9.0	8.0	8.0	9.0	8.0	10.0	11.0	10.0	11.0	8.0	7.1	11.0	3.0
24	5.0	4.0	2.0	4.0	5.0	7.0	11.0	11.0	10.0	8.0	5.0	7.0	6.0	5.0	6.0	6.0	19.0	16.0	174.0	3.0	6.0	10.0	10.0	8.0	14.5	174.0	2.0
25	9.0	10.0	10.0	6.0	5.0	6.0	5.0	4.0	3.0	2.0	4.0	5.0	6.0	8.0	10.0	9.0	10.0	11.0	10.0	11.0	11.0	18.0	8.0	9.0	7.9	18.0	2.0
26	10.0	7.0	5.0	6.0	6.0	6.0	7.0	5.0	4.0	6.0	3.0	0.0	5.0	6.0	3.0	3.0	5.0	6.0	15.0	10.0	10.0	9.0	7.0	9.0	6.4	15.0	0.0
27	8.0	3.0	3.0	5.0	4.0	2.0	3.0	5.0	4.0	0.0	1.0	4.0	4.0	3.0	5.0	5.0	8.0	12.0	31.0	5.0	4.0	3.0	2.0	1.0	5.2	31.0	0.0
28	4.0	3.0	1.0	0.0	1.0	1.0	1.0	1.0	3.0	4.0	0.0	-1.0	1.0	0.0	1.0	4.0	--	19.0	8.0	9.0	7.0	4.0	6.0	8.0	3.7	19.0	-1.0
29	6.0	5.0	6.0	6.0	5.0	5.0	6.0	4.0	4.0	4.0	4.0	7.0	8.0	7.0	5.0	3.0	4.0	10.0	11.0	10.0	58.0	47.0	46.0	32.0	12.6	58.0	3.0
30	6.0	6.0	8.0	7.0	8.0	12.0	12.0	9.0	6.0	2.0	1.0	2.0	2.0	4.0	6.0	5.0	6.0	8.0	10.0	12.0	11.0	8.0	7.0	6.0	6.8	12.0	1.0
Avg	4.8	4.2	4.4	5.0	4.9	4.8	5.7	4.5	3.3	2.8	2.1	2.3	2.9	3.6	3.8	3.4	4.1	5.1	11.8	6.3	7.8	7.2	6.8	6.4	4.9	--	--
Max	10.0	10.0	10.0	10.0	11.0	12.0	18.0	11.0	10.0	8.0	6.0	7.0	8.0	8.0	10.0	9.0	19.0	19.0	174.0	12.0	58.0	47.0	46.0	32.0	--	174.0	--
Min	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	-2.0	-4.0	-6.0	-4.0	-3.0	-1.0	-1.0	-2.0	-1.0	0.0	0.0	-1.0	0.0	1.0	0.0	--	--	-6.0

-- Indicates Invalid Data

Appendix C: NO_2, SO_2, O_3 Data – East Plant – Hourly

SAROAD for Resolution, East_Plant
"Component, Channel: TableAmbient_Hourly, NO2_ppb"
Month: Apr 2015

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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-0.5	-0.8	-0.9	-0.6	0.0	1.7	1.9	1.2	0.3	0.3	1.9	-0.9
8	-0.2	1.6	2.0	2.4	2.1	1.1	0.6	0.4	0.1	0.2	-0.1	-0.1	-0.1	-0.4	-0.2	-0.2	-0.4	-0.4	-0.2	-0.1	0.0	0.5	1.7	1.8	0.5	2.4	-0.4
9	2.2	-0.1	0.0	0.0	2.3	1.1	1.7	1.0	0.5	0.6	1.1	0.4	0.0	-0.1	-0.4	-0.4	-0.4	-0.4	-0.5	-0.3	0.2	0.9	1.3	3.2	0.6	3.2	-0.5
10	-0.3	-0.2	-0.2	0.0	0.1	1.2	3.3	3.7	0.4	0.6	0.3	-0.1	-0.3	--	--	-0.4	-0.5	-0.8	-0.5	-0.5	0.5	1.5	0.3	-0.3	0.4	3.7	-0.8
11	-0.3	-0.1	2.1	0.5	0.1	0.9	1.0	4.2	0.9	0.3	1.6	1.6	-0.1	-0.4	-0.5	-0.5	-0.8	-0.7	-0.8	-0.9	-0.2	-0.6	-0.6	1.4	0.3	4.2	-0.9
12	2.8	0.5	-0.5	-0.8	-0.7	-0.9	-0.7	-0.5	-0.4	0.1	0.2	0.1	-0.3	-0.3	-0.2	0.2	0.5	0.0	-0.2	-0.2	-0.5	-0.5	-0.4	-0.3	-0.1	2.8	-0.9
13	-0.2	0.9	2.2	1.3	1.2	0.7	2.6	2.2	1.1	1.0	1.0	0.7	0.6	0.4	0.4	0.3	0.1	0.0	-0.1	0.0	0.0	0.4	1.2	0.7	0.8	2.6	-0.2
14	-0.2	1.2	1.3	0.4	0.3	1.6	1.5	0.8	-0.1	0.3	0.7	0.4	0.2	0.0	0.1	-0.3	-0.4	-0.6	-0.7	-0.7	-0.4	0.4	-0.1	-0.4	0.2	1.6	-0.7
15	-0.6	-0.5	-0.6	-0.6	-0.3	1.1	2.2	1.3	0.1	0.2	0.0	0.3	0.5	0.7	0.5	0.2	-0.3	-0.3	-0.2	0.0	-0.2	0.1	0.3	1.0	0.2	2.2	-0.6
16	0.8	-0.7	-0.2	1.1	-0.2	0.2	1.0	0.9	-0.2	0.2	-0.5	-0.4	-0.3	-0.1	0.2	0.1	0.2	0.5	0.4	0.5	0.4	2.6	1.3	3.4	0.5	3.4	-0.7
17	0.9	-0.1	2.1	0.4	0.3	0.5	2.5	3.8	0.5	0.0	0.0	-0.2	0.2	0.1	0.2	1.2	1.7	1.6	1.2	1.0	1.3	2.8	1.5	1.7	1.1	3.8	-0.2
18	1.5	-0.3	-0.5	-0.6	-0.5	1.4	3.4	2.4	0.7	0.0	-0.1	-0.3	-0.3	-0.3	-0.2	-0.1	0.0	-0.1	0.3	0.1	0.1	0.2	-0.4	-0.4	0.3	3.4	-0.6
19	-0.5	-0.4	-0.6	-0.5	-0.6	-0.2	0.8	2.8	0.6	-0.3	-0.2	-0.3	-0.4	-0.3	0.4	-0.3	-0.3	-0.3	-0.4	-0.2	-0.3	0.1	0.9	0.4	0.0	2.8	-0.6
20	-0.5	-0.2	-0.1	0.2	-0.2	-0.1	0.9	5.6	0.7	0.6	0.4	0.1	0.1	-0.2	0.0	-0.3	-0.5	-0.5	-0.5	-0.5	-0.2	2.2	2.8	-0.1	0.4	5.6	-0.5
21	0.0	-0.4	-0.9	-0.7	-0.3	0.2	0.7	0.9	0.2	-0.1	-0.4	-0.6	-0.5	-0.7	-0.4	-0.5	-0.5	-0.8	-0.7	-0.8	-0.6	0.4	1.1	1.3	-0.2	1.3	-0.9
22	0.4	-0.8	-1.0	-0.5	-0.3	-0.5	0.9	0.8	0.0	-0.4	0.0	-0.5	-0.4	-0.6	-0.4	-0.6	-0.7	-0.4	-0.8	-0.5	-0.6	-0.4	-0.8	-0.7	-0.4	0.9	-1.0
23	-0.7	-0.7	2.1	1.0	0.9	0.0	0.2	0.5	0.2	-0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.3	2.1	-0.7
24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Avg	0.3	0.0	0.5	0.2	0.3	0.5	1.4	1.9	0.3	0.2	0.3	0.1	-0.1	-0.1	0.0	-0.1	-0.2	-0.3	-0.3	-0.2	0.1	0.8	0.7	0.8	0.3	--	--
Max	2.8	1.6	2.2	2.4	2.3	1.6	3.4	5.6	1.1	1.0	1.6	1.6	0.6	0.7	0.5	1.2	1.7	1.6	1.2	1.0	1.7	2.8	2.8	3.4	--	5.6	--
Min	-0.7	-0.8	-1.0	-0.8	-0.7	-0.9	-0.7	-0.5	-0.4	-0.4	-0.5	-0.6	-0.5	-0.7	-0.5	-0.6	-0.8	-0.9	-0.8	-0.9	-0.6	-0.6	-0.8	-0.7	--	--	-1.0

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: TableAmbient_Hourly, NO2_ppb"
Month: May 2015

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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
20	--	--	--	--	--	--	--	--	--	--	--	--	0.1	-0.1	-0.2	-0.2	-0.1	0.1	-0.2	0.1	0.0	0.9	1.3	2.1	0.3	2.1	-0.2
21	0.6	0.5	0.5	1.1	0.5	0.2	1.8	2.9	1.3	0.6	0.1	-0.1	-0.1	0.1	-0.1	-0.4	-0.4	-0.4	-0.4	-0.5	-0.3	-0.7	-0.9	-0.8	0.2	2.9	-0.9
22	-0.8	-0.8	-0.8	-0.6	0.7	5.8	4.1	0.8	0.0	-0.3	-0.2	-0.1	-0.2	-0.2	-0.4	-0.4	-0.3	-0.1	-0.2	-0.1	0.4	0.5	0.7	0.7	0.4	5.8	-0.8
23	0.7	0.6	0.9	0.4	0.2	2.6	3.5	0.9	0.7	0.3	0.4	0.6	0.0	0.0	-0.1	0.0	0.2	-0.1	-0.1	-0.1	-0.1	0.5	0.9	5.3	0.8	5.3	-0.1
24	3.3	1.7	1.5	0.6	1.7	5.1	4.5	1.0	0.5	0.1	0.0	0.1	0.0	0.0	0.0	-0.1	-0.3	-0.1	-0.3	-0.3	-0.3	0.4	0.7	0.3	0.8	5.1	-0.3
25	0.4	1.9	1.2	0.5	0.7	3.6	4.6	0.6	0.4	0.2	0.1	-0.1	0.1	0.0	0.4	0.0	0.1	0.0	0.1	0.1	0.3	0.8	0.7	0.9	0.7	4.6	-0.1
26	1.3	0.1	0.1	1.0	1.0	0.5	2.5	2.0	1.6	0.9	1.1	1.3	0.1	0.2	0.2	-0.2	-0.3	-0.1	-0.2	-0.1	0.9	0.0	-0.4	0.0	0.6	2.5	-0.4
27	-0.2	0.6	0.9	0.9	0.8	1.0	3.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1	3.7	-0.2
28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Avg	0.8	0.7	0.6	0.6	0.8	2.7	3.5	1.4	0.7	0.3	0.3	0.3	0.0	0.0	0.0	-0.2	-0.2	-0.1	-0.2	-0.1	0.1	0.4	0.4	1.2	0.6	--	--
Max	3.3	1.9	1.5	1.1	1.7	5.8	4.6	2.9	1.6	0.9	1.1	1.3	0.1	0.2	0.4	0.0	0.2	0.1	0.1	0.1	0.9	0.9	1.3	5.3	--	5.8	--
Min	-0.8	-0.8	-0.8	-0.6	0.2	0.2	1.8	0.6	0.0	-0.3	-0.2	-0.1	-0.2	-0.2	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.3	-0.7	-0.9	-0.8	--	--	-0.9

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: TableAmbient_Hourly, NO2_ppb"
Month: Jun 2015

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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
25	--	--	--	--	--	--	--	--	-0.2	-0.4	-0.7	-0.4	-0.7	-1.2	-1.2	-1.6	-1.3	-1.0	-0.8	-1.1	-1.1	-0.6	-1.1	-1.6	-0.9	-0.2	-1.6
26	-1.7	-1.7	-1.7	-1.7	-1.9	-1.9	-0.9	-0.6	-0.6	-0.8	-1.0	-1.0	-1.3	-1.4	-1.5	-1.4	-1.2	-1.2	-1.2	-1.3	-1.1	-1.0	-1.3	-1.2	-1.3	-0.6	-1.9
27	-1.7	-2.1	-2.0	-1.9	-1.8	-1.2	-1.2	-0.7	-0.6	-0.6	-0.9	-0.8	-1.1	-1.2	-1.3	-1.5	-1.5	-1.3	-1.1	-0.8	0.0	-0.1	-0.2	0.1	-1.1	0.1	-2.1
28	-0.2	-0.7	0.0	0.5	0.2	-0.1	-0.3	-0.3	-0.1	0.9	-0.4	-0.7	-0.6	-0.7	-0.8	-1.4	-0.1	0.7	0.1	-0.7	-0.6	-0.3	1.2	-0.4	-0.2	1.2	-1.4
29	-0.7	-0.7	1.0	3.0	2.6	2.5	1.4	1.8	0.6	0.2	-0.2	-0.1	-0.5	-0.9	-1.1	-1.1	-1.3	-1.0	-0.8	-1.0	-0.9	-1.0	-1.1	-1.7	0.0	3.0	-1.7
30	-1.9	-1.3	-0.6	0.2	0.6	1.2	3.6	1.5	-0.1	-0.7	-0.6	-0.8	-0.9	-1.0	-1.0	-1.0	-0.9	-1.1	-1.1	-0.8	-0.9	-0.8	-0.6	-1.5	-0.4	3.6	-1.9
Avg	-1.2	-1.3	-0.6	0.0	-0.1	0.1	0.6	0.4	-0.2	-0.2	-0.6	-0.6	-0.8	-1.1	-1.2	-1.3	-1.1	-0.8	-0.8	-0.9	-0.7	-0.6	-0.5	-1.1	-0.6	--	--
Max	-0.2	-0.7	1.0	3.0	2.6	2.5	3.6	1.8	0.6	0.9	-0.2	-0.1	-0.5	-0.7	-0.8	-1.0	-0.1	0.7	0.1	-0.7	0.0	-0.1	1.2	0.1	--	3.6	--
Min	-1.9	-2.1	-2.0	-1.9	-1.9	-1.9	-1.2	-0.7	-0.6	-0.8	-1.0	-1.0	-1.3	-1.4	-1.5	-1.6	-1.5	-1.3	-1.2	-1.3	-1.1	-1.0	-1.3	-1.7	--	--	-2.1

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: TableAmbient_Hourly, SO2_ppb"
Month: Apr 2015

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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.5	0.6	0.5	0.4	0.4	0.5	0.6	0.4
8	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.4	0.5	0.4	0.4	0.4	0.4	0.3	0.2	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.5	0.2
9	0.3	0.2	0.3	0.4	0.5	0.4	0.3	0.4	0.8	0.9	1.4	1.5	0.7	0.4	0.2	0.4	0.3	0.4	0.3	0.4	0.4	0.4	0.3	0.3	0.5	1.5	0.2
10	0.3	0.3	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.2	0.2	0.4	0.4	0.4	--	0.3	0.3	0.4	0.4	0.3	0.3	0.4	0.3	0.4	0.3	0.4	0.1
11	0.4	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.3
12	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.4	0.5	0.5	0.4	0.4	0.3	0.2	0.3	0.3	0.3	0.5	0.0
13	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.5	0.4	0.5	0.5	0.3	0.3	0.0	0.3	0.3	0.3	0.5	0.0
14	0.3	0.2	0.3	0.3	0.3	0.3	0.1	0.2	0.3	0.3	0.2	0.3	0.3	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.1
15	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.3
16	0.3	0.3	0.3	0.3	0.3	0.4	0.2	0.2	0.3	0.3	0.1	0.2	0.3	0.3	0.4	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.1
17	0.1	0.2	0.3	0.3	0.3	0.2	0.2	0.4	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.4	0.3	0.4	0.3	0.4	0.1
18	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.4	0.3	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.2
19	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.3	0.4	0.5	0.4	0.4	0.4	0.5	0.5	0.6	0.5	0.4	0.4	0.5	0.4	0.4	0.8	0.4	0.8	0.3
20	1.2	0.7	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.3	0.4	0.5	0.3	0.4	0.4	0.3	0.3	0.4	1.2	0.3
21	0.4	0.4	0.1	0.1	0.3	0.3	0.3	0.4	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.5	0.1
22	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.3
23	0.5	0.4	0.5	0.5	0.5	0.5	0.3	0.4	0.5	0.3	--	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.4	0.3	0.4	0.5	0.2
24	0.1	0.2	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.1
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.1
26	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.1	0.2	0.1	0.2	0.2	0.3	0.1
27	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
28	0.2	0.2	0.8	0.6	0.3	0.2	0.2	-0.1	0.0	0.1	0.0	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.8	-0.1
29	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.5	0.3	0.2	0.2	0.2	0.5	0.1
30	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	--	--	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.2
Avg	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	--	--
Max	1.2	0.7	0.8	0.6	0.5	0.5	0.4	0.4	0.8	0.9	1.4	1.5	0.7	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.6	0.5	0.5	0.8	--	1.5	--
Min	0.1	0.0	0.1	0.1	0.2	0.1	0.1	-0.1	0.0	0.1	0.0	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.0	0.1	0.2	--	--	-0.1

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: TableAmbient_Hourly, SO2_ppb"
Month: May 2015

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	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.4	0.2
2	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.2	0.2	0.3	0.3	0.4	0.2
3	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.3	0.2
4	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.3	0.2
5	0.2	0.3	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.3	0.2	0.3	0.3	0.3	0.3	0.1	0.2	0.2	0.2	0.3	0.1
6	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.3	--	0.2	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.4	0.5	0.4	0.6	0.2
7	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.6	0.4
8	0.5	0.6	0.5	0.4	0.5	0.5	0.5	0.4	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.6	0.3
9	0.5	0.4	0.5	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.3
10	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.5	0.5	0.4	0.5	0.3
11	0.3	0.4	0.4	0.5	7.3	13.3	11.2	5.2	4.0	1.2	0.4	0.4	0.5	0.5	0.6	0.5	0.6	0.5	0.5	0.6	0.5	0.2	0.4	0.5	2.1	13.3	0.2
12	0.4	0.4	0.4	0.4	0.7	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.7	0.4
13	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.6	0.4	0.5	0.5	0.5	0.4	0.6	0.3
14	0.6	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.5	0.5	0.4	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.4
15	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.8	--	0.6	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.8	0.4
16	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.4	0.5	0.4	0.4	0.5	0.3	0.4	0.5	0.5	0.5	0.4	0.4	0.5	0.4	0.4	0.5	0.5	0.6	0.3
17	0.4	0.6	0.8	1.1	0.6	0.6	0.9	4.8	3.3	0.6	0.6	0.6	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9	4.8	0.4
18	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.4	0.4	0.5	0.6	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.6	0.5	0.5	0.6	0.4
19	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.4
20	0.5	0.5	0.5	0.6	0.5	2.3	2.1	7.5	4.7	--	1.2	0.9	0.9	0.8	0.7	0.5	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.8	1.4	7.5	0.5
21	0.9	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.8	0.9	0.9	0.8	0.8	0.8	0.9	0.7
22	0.8	0.8	0.7	0.6	0.8	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.6
23	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.7	0.7	0.9	0.9	0.8	0.9	0.9	1.0	0.9	1.0	0.8	0.9	0.9	0.9	0.9	0.8	0.8	0.8	1.0	0.7
24	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.7	0.8	0.9	0.9	1.0	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	0.9	0.9	1.0	1.0	0.9	1.0	0.7
25	0.9	0.8	0.8	0.9	0.9	0.8	0.8	0.7	0.8	0.8	0.9	0.9	0.8	0.8	0.9	0.9	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.9	0.7
26	0.8	0.8	0.8	0.8	0.9	0.7	0.7	0.7	0.8	0.8	0.9	1.1	1.0	1.0	0.9	1.0	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	0.7
27	0.8	0.9	0.8	0.7	0.7	0.8	0.8	--	1.2	2.2	2.0	2.9	1.5	1.8	1.4	1.0	0.8	0.8	0.9	0.9	0.9	0.8	0.9	0.8	1.2	2.9	0.7
28	0.7	1.0	0.9	0.8	0.9	0.9	0.8	0.8	0.9	0.8	0.9	0.9	1.0	1.1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	0.7
29	1.0	1.0	1.0	0.9	0.7	0.9	0.9	0.9	0.9	1.6	1.7	3.3	1.5	0.9	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.9	0.8	1.1	3.3	0.7
30	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.9	1.1	1.2	0.9	0.9	0.9	0.9	1.0	0.9	0.9	0.9	0.9	0.9	0.9	1.2	0.7
31	0.8	0.9	0.8	0.9	0.8	3.0	6.2	2.2	1.1	1.3	1.1	1.8	2.5	2.3	1.6	1.4	1.1	1.1	0.9	0.9	0.9	0.9	0.8	0.8	1.5	6.2	0.8
Avg	0.5	0.6	0.6	0.6	0.8	1.1	1.1	1.1	0.9	0.6	0.7	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	--	--
Max	1.0	1.0	1.0	1.1	7.3	13.3	11.2	7.5	4.7	2.2	2.0	3.3	2.5	2.3	1.6	1.4	1.1	1.1	1.0	1.0	0.9	0.9	1.0	1.0	--	13.3	--
Min	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.1	0.2	0.2	--	--	0.1

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: TableAmbient_Hourly, SO2_ppb"
Month: Jun 2015

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	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.9	0.7
2	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.7	0.9	1.3	--	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.4	0.6	0.7	1.3	0.4
3	0.6	0.6	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.7	0.7	0.6	0.6	0.6	0.7	0.5
4	0.7	0.6	0.6	0.6	0.6	0.6	0.5	1.0	3.4	2.1	1.2	2.7	1.3	0.7	0.6	0.7	0.5	0.6	0.6	0.6	0.7	0.5	0.6	0.8	0.9	3.4	0.5
5	0.6	0.8	0.8	0.6	0.5	0.6	0.5	0.5	1.1	1.1	1.4	0.7	1.4	0.9	0.5	0.4	0.6	0.7	0.7	0.7	0.8	0.7	0.7	0.6	0.8	1.4	0.4
6	0.6	0.6	0.6	0.6	0.6	0.7	1.8	7.1	2.2	1.3	0.9	0.8	0.8	0.6	0.6	0.6	0.6	0.5	0.6	0.6	0.7	0.5	0.6	0.6	1.1	7.1	0.5
7	0.6	0.6	0.6	0.6	0.5	0.6	0.5	0.5	0.5	0.6	1.7	3.0	1.2	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.7	3.0	0.5
8	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.7	0.8	0.6	1.4	1.5	1.0	0.7	0.7	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.6	0.7	1.5	0.5
9	0.9	2.3	2.1	3.5	1.4	0.7	0.6	0.8	0.9	0.8	0.7	0.6	0.8	0.6	0.7	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.7	0.7	1.0	3.5	0.6
10	0.7	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.4	0.6	0.7	0.6	0.7	0.4
11	0.6	0.6	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.6	0.7	0.5
12	0.7	0.6	0.7	0.7	0.7	0.6	0.6	--	0.6	0.6	0.6	0.7	0.8	0.7	0.6	0.5	0.7	0.8	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.5
13	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.8	0.7	0.7	0.8	0.7	0.7	0.7	0.7	0.8	0.6
14	0.7	0.7	0.7	0.7	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.7	0.6	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.6	0.7	0.7	0.6
15	0.6	0.7	0.7	0.6	0.7	0.6	0.6	0.6	0.3	0.6	0.6	0.6	0.7	0.9	0.7	0.6	0.6	0.7	0.7	0.7	0.8	0.7	0.8	0.9	0.7	0.9	0.3
16	0.8	0.6	0.6	0.6	0.4	0.6	0.6	0.5	0.6	0.6	0.7	0.6	0.7	0.8	0.7	0.8	0.7	0.8	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.4
17	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.7	0.6	0.6	0.6	0.8	0.9	0.7	0.7	0.8	0.8	0.7	0.8	0.7	0.8	0.8	0.7	0.9	0.6
18	0.8	0.8	0.8	0.7	0.6	0.6	0.7	1.4	0.9	1.6	1.2	0.8	0.7	0.7	0.6	0.7	0.7	0.7	0.8	0.8	0.7	0.6	0.7	0.7	0.8	1.6	0.6
19	0.7	0.6	0.5	0.4	0.7	0.7	0.6	0.6	5.9	0.9	1.1	0.8	0.8	--	0.4	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.8	5.9	0.3
20	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.7	1.4	1.3	0.8	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.4	0.4	0.5	1.4	0.3
21	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.2	0.3	0.4	0.4	0.2
22	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.2	0.2	0.4	0.4	0.4	0.3	0.4	0.2
23	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.4	0.4	0.3	0.4	0.4	0.5	0.5	0.4	0.5	0.5	0.4	0.4	0.2	0.4	0.4	0.5	0.2
24	0.3	0.3	0.4	0.3	0.5	0.6	0.5	0.4	0.3	0.2	0.2	0.3	0.5	0.6	0.4	0.4	0.3	0.3	1.6	0.4	0.3	1.5	1.7	0.9	0.6	1.7	0.2
25	2.0	1.7	1.8	1.4	1.0	1.0	0.6	--	--	--	1.3	1.2	1.2	0.9	0.8	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.9	2.0	0.4
26	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.5	0.2
27	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.4	0.5	0.5	0.4	0.4	0.3	0.3	0.4	0.3	0.2	0.2	0.3	0.3	0.5	0.2
28	1.0	0.9	0.4	0.4	1.7	3.5	1.2	1.9	1.2	1.3	0.7	0.3	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.8	3.5	0.3
29	0.3	0.3	0.4	0.6	0.6	0.4	0.4	0.3	0.4	0.7	1.1	1.4	2.4	0.9	0.5	0.4	0.4	0.5	0.4	0.4	0.3	0.3	0.2	0.3	0.6	2.4	0.2
30	0.3	0.3	0.3	0.3	0.3	0.3	0.7	2.0	2.2	0.5	0.4	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.1	0.3	0.5	2.2	0.1
Avg	0.6	0.7	0.6	0.7	0.6	0.7	0.6	0.9	1.0	0.8	0.7	0.8	0.8	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	--	--
Max	2.0	2.3	2.1	3.5	1.7	3.5	1.8	7.1	5.9	2.1	1.7	3.0	2.4	1.0	0.9	0.8	0.8	0.8	1.6	0.8	0.8	1.5	1.7	0.9	--	7.1	--
Min	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.3	--	--	0.1

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant, rolling 8-hour average
"Component, Channel: TableAmbient_Hourly, O3_ppm"
Month: Apr 2015

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	0.040	0.041	0.041	0.042	0.042	0.044	0.045	0.047	0.049	0.050	0.051	0.052	0.053	0.053	0.053	0.053	0.053	0.053	0.053	0.052	0.051	0.050	0.049	0.048	0.049	0.053	0.040
2	0.047	0.047	0.047	0.048	0.049	0.049	0.051	0.053	0.055	0.056	0.057	0.057	0.057	0.056	0.056	0.057	0.057	0.056	0.056	0.056	0.056	0.056	0.056	0.055	0.054	0.057	0.047
3	0.054	0.054	0.053	0.052	0.052	0.052	0.053	0.054	0.055	0.056	0.058	0.059	0.061	0.061	0.061	0.060	0.059	0.058	0.058	0.057	0.055	0.054	0.053	0.053	0.056	0.061	0.052
4	0.052	0.051	0.050	0.050	0.051	0.051	0.052	0.053	0.055	0.057	0.058	0.060	0.061	0.063	0.064	0.066	0.066	0.066	0.064	0.062	0.059	0.056	0.054	0.051	0.057	0.066	0.050
5	0.048	0.047	0.047	0.048	0.049	0.051	0.052	0.053	0.055	0.056	0.056	0.056	0.057	0.057	0.057	0.057	0.058	0.058	0.058	0.057	0.057	0.056	0.055	0.054	0.054	0.058	0.047
6	0.052	0.052	0.052	0.052	0.052	0.053	0.053	0.054	0.056	0.056	0.056	0.057	0.058	0.058	0.058	0.057	0.057	0.057	0.056	0.056	0.055	0.056	0.056	0.056	0.055	0.058	0.052
7	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.055	0.055	0.055	0.055	0.054	0.054	0.054	0.054	0.054	0.054	0.053	0.052	0.050	0.050	0.049	0.054	0.056	0.049
8	0.049	0.049	0.049	0.050	0.051	0.052	0.053	0.054	0.055	0.056	0.057	0.058	0.059	0.059	0.059	0.059	0.059	0.057	0.056	0.055	0.055	0.054	0.054	0.053	0.055	0.059	0.049
9	0.053	0.054	0.055	0.056	0.056	0.058	0.059	0.061	0.061	0.062	0.063	0.065	0.066	0.065	0.065	0.064	0.063	0.062	0.061	0.060	0.060	0.060	0.060	0.059	0.060	0.066	0.053
10	0.059	0.058	0.059	0.059	0.059	0.059	0.059	0.060	0.061	0.062	0.062	0.061	0.061	0.060	0.059	0.059	0.058	0.058	0.057	0.056	0.056	0.056	0.056	0.056	0.059	0.062	0.056
11	0.054	0.053	0.053	0.054	0.055	0.055	0.056	0.056	0.058	0.059	0.059	0.059	0.059	0.058	0.057	0.057	0.057	0.056	0.055	0.054	0.054	0.054	0.054	0.054	0.056	0.059	0.053
12	0.053	0.053	0.051	0.050	0.049	0.048	0.048	0.049	0.050	0.052	0.054	0.056	0.057	0.058	0.057	0.056	0.054	0.052	0.050	0.048	0.046	0.044	0.043	0.041	0.051	0.058	0.041
13	0.039	0.039	0.039	0.040	0.041	0.043	0.045	0.047	0.050	0.052	0.054	0.056	0.058	0.059	0.060	0.059	0.058	0.057	0.056	0.054	0.052	0.050	0.049	0.048	0.050	0.060	0.039
14	0.048	0.048	0.048	0.049	0.049	0.050	0.051	0.053	0.054	0.055	0.056	0.057	0.057	0.058	0.058	0.057	0.057	0.056	0.056	0.055	0.054	0.054	0.053	0.052	0.053	0.058	0.048
15	0.050	0.050	0.050	0.050	0.051	0.052	0.055	0.057	0.061	0.063	0.065	0.066	0.067	0.067	0.066	0.064	0.062	0.059	0.057	0.056	0.054	0.054	0.053	0.053	0.058	0.067	0.050
16	0.053	0.054	0.054	0.054	0.055	0.055	0.055	0.056	0.057	0.058	0.058	0.059	0.059	0.058	0.057	0.055	0.053	0.052	0.050	0.049	0.048	0.048	0.048	0.048	0.054	0.059	0.048
17	0.048	0.048	0.049	0.051	0.052	0.054	0.057	0.060	0.064	0.067	0.069	0.071	0.072	0.071	0.070	0.069	0.067	0.065	0.064	0.062	0.061	0.061	0.060	0.059	0.061	0.072	0.048
18	0.058	0.057	0.057	0.056	0.055	0.055	0.056	0.058	0.059	0.061	0.062	0.063	0.064	0.064	0.064	0.064	0.064	0.063	0.063	0.063	0.063	0.063	0.064	0.063	0.061	0.064	0.055
19	0.062	0.061	0.061	0.061	0.061	0.061	0.062	0.063	0.065	0.066	0.067	0.067	0.068	0.069	0.068	0.068	0.066	0.065	0.064	0.062	0.060	0.059	0.058	0.057	0.063	0.069	0.057
20	0.056	0.055	0.055	0.055	0.056	0.057	0.058	0.059	0.061	0.063	0.064	0.065	0.066	0.066	0.066	0.065	0.064	0.063	0.061	0.059	0.057	0.055	0.054	0.053	0.060	0.066	0.053
21	0.052	0.051	0.051	0.051	0.051	0.051	0.052	0.053	0.054	0.054	0.054	0.054	0.053	0.053	0.052	0.050	0.048	0.046	0.045	0.045	0.044	0.043	0.043	0.043	0.050	0.054	0.043
22	0.043	0.043	0.043	0.044	0.045	0.046	0.047	0.049	0.051	0.051	0.052	0.052	0.052	0.052	0.051	0.050	0.050	0.049	0.049	0.048	0.047	0.046	0.045	0.045	0.048	0.052	0.043
23	0.044	0.044	0.044	0.044	0.045	0.046	0.047	0.048	0.049	0.049	0.050	0.050	0.050	0.050	0.050	0.051	0.050	0.050	0.050	0.050	0.050	0.050	0.049	0.049	0.048	0.051	0.044
24	0.048	0.048	0.047	0.047	0.048	0.048	0.048	0.048	0.049	0.050	0.050	0.051	0.051	0.051	0.050	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.049	0.051	0.047
25	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.050	0.051	0.051	0.051	0.051	0.051	0.051	0.050	0.050	0.049	0.048	0.048	0.048	0.049	0.049	0.049	0.048	0.049	0.051	0.048
26	0.048	0.048	0.047	0.046	0.046	0.046	0.047	0.048	0.050	0.051	0.052	0.052	0.052	0.051	0.049	0.047	0.044	0.043	0.042	0.040	0.039	0.039	0.038	0.038	0.046	0.052	0.038
27	0.039	0.039	0.039	0.039	0.040	0.041	0.042	0.043	0.044	0.045	0.046	0.048	0.050	0.051	0.052	0.052	0.052	0.052	0.050	0.048	0.046	0.044	0.042	0.041	0.045	0.052	0.039
28	0.040	0.040	0.040	0.041	0.043	0.045	0.046	0.048	0.049	0.050	0.051	0.052	0.052	0.052	0.052	0.052	0.051	0.050	0.049	0.048	0.047	0.047	0.046	0.046	0.047	0.052	0.040
29	0.046	0.047	0.049	0.051	0.052	0.054	0.056	0.057	0.058	0.059	0.059	0.059	0.059	0.057	0.056	0.055	0.054	0.053	0.052	0.050	0.050	0.050	0.050	0.050	0.053	0.059	0.046
30	0.050	0.050	0.051	0.052	0.053	0.054	0.055	0.056	0.058	0.060	0.061	0.063	0.063	0.064	0.065	0.065	0.065	0.064	0.064	0.064	0.063	0.062	0.061	0.059	0.059	0.065	0.050
Avg	0.050	0.050	0.050	0.050	0.050	0.051	0.052	0.053	0.055	0.056	0.057	0.058	0.058	0.058	0.058	0.057	0.057	0.056	0.055	0.054	0.053	0.052	0.052	0.051	0.054	--	--
Max	0.062	0.061	0.061	0.061	0.061	0.061	0.062	0.063	0.065	0.067	0.069	0.071	0.072	0.071	0.070	0.069	0.067	0.066	0.064	0.064	0.063	0.063	0.064	0.063	--	0.072	--
Min	0.039	0.039	0.039	0.039	0.040	0.041	0.042	0.043	0.044	0.045	0.046	0.048	0.050	0.050	0.049	0.047	0.044	0.043	0.042	0.040	0.039	0.039	0.038	0.038	--	--	0.038

SAROAD for Resolution, East_Plant, rolling 8-hour average
"Component, Channel: TableAmbient_Hourly, O3_ppm"
Month: May 2015

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	0.058	0.057	0.057	0.057	0.058	0.059	0.060	0.061	0.064	0.066	0.068	0.069	0.071	0.072	0.073	0.073	0.073	0.071	0.069	0.067	0.064	0.061	0.058	0.056	0.064	0.073	0.056
2	0.053	0.051	0.051	0.050	0.050	0.050	0.051	0.053	0.055	0.058	0.060	0.062	0.063	0.063	0.063	0.062	0.060	0.057	0.054	0.051	0.048	0.045	0.042	0.039	0.054	0.063	0.039
3	0.037	0.037	0.037	0.037	0.038	0.039	0.040	0.042	0.043	0.044	0.046	0.046	0.046	0.046	0.046	0.045	0.044	0.044	0.043	0.042	0.041	0.041	0.041	0.041	0.042	0.046	0.037
4	0.041	0.040	0.040	0.041	0.042	0.042	0.043	0.044	0.045	0.047	0.049	0.050	0.051	0.050	0.050	0.049	0.047	0.045	0.042	0.040	0.039	0.038	0.036	0.035	0.044	0.051	0.035
5	0.035	0.036	0.038	0.039	0.040	0.042	0.043	0.045	0.048	0.049	0.050	0.051	0.052	0.053	0.053	0.052	0.052	0.051	0.049	0.048	0.046	0.043	0.042	0.040	0.046	0.053	0.035
6	0.039	0.038	0.037	0.037	0.038	0.040	0.043	0.047	0.050	0.051	0.052	0.053	0.053	0.053	0.053	0.052	0.051	0.050	0.049	0.048	0.047	0.046	0.045	0.045	0.047	0.053	0.037
7	0.044	0.044	0.044	0.044	0.045	0.045	0.046	0.047	0.047	0.048	0.049	0.050	0.050	0.049	0.049	0.049	0.048	0.048	0.048	0.048	0.047	0.048	0.048	0.048	0.047	0.050	0.044
8	0.049	0.049	0.049	0.050	0.050	0.050	0.050	0.050	0.051	0.052	0.052	0.053	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.055	0.055	0.055	0.055	0.052	0.055	0.049
9	0.055	0.055	0.055	0.055	0.056	0.056	0.057	0.058	0.060	0.062	0.064	0.066	0.068	0.069	0.070	0.070	0.069	0.067	0.065	0.061	0.059	0.058	0.057	0.057	0.061	0.070	0.055
10	0.057	0.057	0.058	0.059	0.060	0.059	0.059	0.059	0.058	0.058	0.059	0.060	0.061	0.061	0.061	0.061	0.061	0.060	0.059	0.058	0.057	0.055	0.054	0.053	0.058	0.061	0.053
11	0.053	0.052	0.052	0.052	0.053	0.055	0.057	0.058	0.060	0.062	0.064	0.065	0.065	0.065	0.064	0.063	0.062	0.062	0.060	0.059	0.057	0.057	0.057	0.057	0.059	0.065	0.052
12	0.056	0.057	0.057	0.058	0.059	0.060	0.061	0.064	0.065	0.065	0.064	0.064	0.063	0.063	0.061	0.059	0.057	0.056	0.054	0.052	0.051	0.049	0.048	0.046	0.058	0.065	0.046
13	0.046	0.046	0.046	0.047	0.048	0.049	0.049	0.050	0.051	0.051	0.051	0.050	0.049	0.049	0.048	0.047	0.046	0.045	0.044	0.043	0.042	0.042	0.042	0.042	0.047	0.051	0.042
14	0.042	0.042	0.043	0.044	0.045	0.046	0.047	0.049	0.051	0.052	0.053	0.053	0.054	0.054	0.054	0.054	0.054	0.054	0.055	0.055	0.055	0.054	0.054	0.053	0.051	0.055	0.042
15	0.051	0.050	0.049	0.048	0.048	0.048	0.048	0.048	0.048	0.047	0.046	0.046	0.045	0.043	0.040	0.038	0.037	0.037	0.039	0.041	0.043	0.044	0.047	0.049	0.045	0.051	0.037
16	0.050	0.050	0.049	0.047	0.047	0.047	0.047	0.047	0.048	0.049	0.050	0.051	0.053	0.053	0.052	0.051	0.050	0.049	0.048	0.047	0.046	0.046	0.047	0.048	0.049	0.053	0.046
17	0.048	0.049	0.050	0.051	0.052	0.054	0.055	0.057	0.059	0.060	0.061	0.061	0.062	0.061	0.060	0.060	0.059	0.058	0.057	0.056	0.055	0.054	0.053	0.051	0.056	0.062	0.048
18	0.051	0.051	0.051	0.051	0.052	0.053	0.055	0.057	0.059	0.059	0.058	0.058	0.058	0.057	0.056	0.056	0.055	0.054	0.053	0.052	0.052	0.050	0.049	0.047	0.054	0.059	0.047
19	0.045	0.046	0.046	0.048	0.048	0.050	0.051	0.054	0.057	0.059	0.060	0.062	0.063	0.064	0.063	0.063	0.062	0.060	0.059	0.058	0.057	0.057	0.056	0.056	0.056	0.064	0.045
20	0.056	0.056	0.056	0.056	0.055	0.056	0.057	0.058	0.059	0.061	0.063	0.064	0.066	0.066	0.066	0.065	0.063	0.061	0.058	0.055	0.051	0.049	0.047	0.045	0.058	0.066	0.045
21	0.044	0.043	0.043	0.044	0.045	0.046	0.048	0.050	0.052	0.053	0.055	0.056	0.056	0.057	0.058	0.060	0.061	0.062	0.062	0.063	0.063	0.062	0.060	0.057	0.054	0.063	0.043
22	0.055	0.054	0.053	0.053	0.052	0.052	0.053	0.053	0.054	0.053	0.053	0.053	0.052	0.052	0.051	0.051	0.050	0.049	0.048	0.047	0.046	0.046	0.045	0.044	0.051	0.055	0.044
23	0.044	0.045	0.047	0.048	0.050	0.050	0.052	0.055	0.056	0.056	0.057	0.058	0.059	0.060	0.060	0.059	0.058	0.056	0.056	0.055	0.053	0.052	0.050	0.048	0.053	0.060	0.044
24	0.049	0.049	0.049	0.049	0.049	0.050	0.052	0.054	0.055	0.056	0.057	0.058	0.059	0.060	0.061	0.061	0.062	0.062	0.061	0.060	0.059	0.057	0.055	0.052	0.056	0.062	0.049
25	0.050	0.049	0.049	0.049	0.049	0.049	0.050	0.052	0.053	0.054	0.055	0.057	0.058	0.060	0.062	0.062	0.062	0.062	0.061	0.060	0.058	0.055	0.053	0.051	0.055	0.062	0.049
26	0.049	0.048	0.047	0.047	0.048	0.049	0.050	0.052	0.054	0.055	0.056	0.057	0.057	0.058	0.058	0.058	0.058	0.058	0.056	0.054	0.052	0.051	0.049	0.048	0.053	0.058	0.047
27	0.047	0.046	0.046	0.046	0.049	0.051	0.054	0.056	0.057	0.058	0.059	0.061	0.061	0.061	0.061	0.061	0.062	0.062	0.062	0.062	0.062	0.062	0.061	0.060	0.057	0.062	0.046
28	0.058	0.058	0.057	0.058	0.058	0.058	0.059	0.060	0.061	0.061	0.062	0.063	0.065	0.067	0.069	0.072	0.073	0.072	0.071	0.069	0.066	0.064	0.060	0.056	0.063	0.073	0.056
29	0.053	0.053	0.053	0.053	0.054	0.055	0.055	0.056	0.057	0.058	0.058	0.059	0.060	0.061	0.062	0.063	0.064	0.064	0.065	0.065	0.064	0.063	0.062	0.061	0.059	0.065	0.053
30	0.060	0.059	0.059	0.059	0.058	0.058	0.058	0.058	0.058	0.058	0.059	0.059	0.059	0.060	0.059	0.059	0.059	0.059	0.058	0.057	0.055	0.053	0.052	0.052	0.058	0.060	0.052
31	0.051	0.050	0.050	0.050	0.051	0.053	0.054	0.054	0.054	0.055	0.055	0.054	0.053	0.051	0.050	0.048	0.045	0.042	0.039	0.038	0.037	0.036	0.036	0.035	0.048	0.055	0.035
Avg	0.049	0.049	0.049	0.049	0.050	0.051	0.052	0.053	0.054	0.055	0.056	0.057	0.058	0.058	0.058	0.057	0.057	0.056	0.055	0.054	0.052	0.051	0.050	0.049	0.053	--	--
Max	0.060	0.059	0.059	0.059	0.060	0.060	0.061	0.064	0.065	0.066	0.068	0.069	0.071	0.072	0.073	0.073	0.073	0.072	0.071	0.069	0.066	0.064	0.062	0.061	--	0.073	--
Min	0.035	0.036	0.037	0.037	0.038	0.039	0.040	0.042	0.043	0.044	0.046	0.046	0.045	0.043	0.040	0.038	0.037	0.037	0.039	0.038	0.037	0.036	0.036	0.035	--	--	0.035

SAROAD for Resolution, East_Plant, rolling 8-hour average
"Component, Channel: TableAmbient_Hourly, O3_ppm"
Month: Jun 2015

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	0.036	0.038	0.040	0.041	0.042	0.043	0.044	0.046	0.048	0.048	0.049	0.049	0.050	0.050	0.050	0.049	0.048	0.047	0.046	0.045	0.044	0.043	0.041	0.040	0.045	0.050	0.036
2	0.038	0.038	0.040	0.041	0.041	0.042	0.044	0.046	0.048	0.048	0.049	0.049	0.050	0.051	0.052	0.052	0.052	0.052	0.052	0.052	0.054	0.055	0.055	0.055	0.048	0.055	0.038
3	0.056	0.055	0.054	0.053	0.051	0.050	0.049	0.050	0.051	0.052	0.052	0.053	0.054	0.055	0.055	0.055	0.055	0.055	0.054	0.053	0.053	0.051	0.050	0.049	0.053	0.056	0.049
4	0.047	0.047	0.047	0.047	0.047	0.048	0.049	0.049	0.050	0.051	0.052	0.052	0.052	0.051	0.049	0.048	0.047	0.045	0.043	0.041	0.040	0.039	0.038	0.037	0.047	0.052	0.037
5	0.037	0.037	0.036	0.036	0.035	0.035	0.035	0.035	0.035	0.035	0.036	0.036	0.036	0.036	0.035	0.035	0.033	0.032	0.030	0.028	0.027	0.027	0.026	0.025	0.033	0.037	0.025
6	0.025	0.025	0.026	0.027	0.028	0.029	0.029	0.031	0.031	0.032	0.034	0.036	0.039	0.041	0.043	0.045	0.046	0.046	0.046	0.045	0.044	0.043	0.041	0.040	0.036	0.046	0.025
7	0.040	0.039	0.037	0.036	0.034	0.034	0.033	0.033	0.032	0.032	0.033	0.035	0.036	0.037	0.038	0.039	0.039	0.040	0.041	0.041	0.041	0.041	0.041	0.040	0.037	0.041	0.032
8	0.040	0.039	0.037	0.036	0.035	0.033	0.033	0.035	0.036	0.037	0.038	0.040	0.042	0.044	0.045	0.046	0.046	0.045	0.044	0.044	0.042	0.041	0.040	0.037	0.040	0.046	0.033
9	0.036	0.036	0.035	0.035	0.035	0.035	0.036	0.036	0.038	0.039	0.040	0.040	0.041	0.042	0.044	0.045	0.045	0.044	0.044	0.043	0.042	0.041	0.038	0.036	0.039	0.045	0.035
10	0.034	0.034	0.034	0.034	0.035	0.035	0.036	0.036	0.037	0.038	0.039	0.039	0.040	0.040	0.040	0.040	0.039	0.038	0.036	0.034	0.032	0.030	0.029	0.029	0.036	0.040	0.029
11	0.029	0.031	0.033	0.036	0.040	0.044	0.048	0.053	0.058	0.061	0.064	0.067	0.069	0.072	0.073	0.072	0.071	0.070	0.069	0.067	0.065	0.062	0.061	0.058	0.057	0.073	0.029
12	0.056	0.055	0.053	0.053	0.052	0.052	0.053	0.055	0.057	0.058	0.061	0.063	0.064	0.065	0.066	0.066	0.066	0.065	0.065	0.064	0.063	0.061	0.059	0.057	0.059	0.066	0.052
13	0.055	0.053	0.052	0.051	0.050	0.051	0.052	0.054	0.057	0.058	0.060	0.062	0.065	0.066	0.066	0.065	0.063	0.062	0.060	0.057	0.054	0.051	0.049	0.047	0.057	0.066	0.047
14	0.046	0.045	0.045	0.044	0.045	0.046	0.047	0.049	0.050	0.052	0.053	0.055	0.057	0.058	0.059	0.061	0.062	0.061	0.061	0.059	0.057	0.055	0.053	0.050	0.053	0.062	0.044
15	0.048	0.047	0.046	0.045	0.045	0.046	0.048	0.049	0.051	0.053	0.054	0.056	0.057	0.058	0.059	0.059	0.057	0.056	0.055	0.053	0.051	0.048	0.047	0.046	0.051	0.059	0.045
16	0.046	0.046	0.047	0.048	0.050	0.052	0.054	0.055	0.057	0.059	0.060	0.063	0.065	0.067	0.067	0.067	0.065	0.063	0.060	0.057	0.051	0.049	0.046	0.045	0.056	0.067	0.045
17	0.045	0.046	0.047	0.048	0.051	0.051	0.053	0.055	0.056	0.057	0.059	0.061	0.064	0.065	0.065	0.065	0.064	0.062	0.058	0.054	0.049	0.046	0.044	0.043	0.054	0.065	0.043
18	0.043	0.043	0.045	0.047	0.049	0.051	0.052	0.055	0.058	0.061	0.062	0.064	0.065	0.066	0.065	0.064	0.062	0.058	0.056	0.055	0.054	0.053	0.053	0.053	0.056	0.066	0.043
19	0.052	0.055	0.057	0.058	0.058	0.058	0.057	0.058	0.061	0.059	0.059	0.059	0.059	0.060	0.062	0.061	0.061	0.060	0.059	0.058	0.056	0.055	0.055	0.054	0.058	0.062	0.052
20	0.053	0.053	0.054	0.055	0.056	0.057	0.058	0.060	0.062	0.064	0.065	0.066	0.067	0.068	0.070	0.071	0.071	0.071	0.070	0.066	0.062	0.057	0.053	0.049	0.062	0.071	0.049
21	0.045	0.041	0.039	0.038	0.038	0.039	0.039	0.040	0.041	0.043	0.045	0.048	0.051	0.054	0.055	0.056	0.055	0.054	0.052	0.050	0.046	0.043	0.041	0.039	0.046	0.056	0.038
22	0.039	0.039	0.039	0.039	0.040	0.041	0.042	0.044	0.045	0.047	0.051	0.056	0.060	0.062	0.064	0.065	0.066	0.064	0.061	0.056	0.053	0.050	0.047	0.044	0.051	0.066	0.039
23	0.042	0.042	0.041	0.041	0.041	0.042	0.044	0.048	0.053	0.057	0.062	0.067	0.070	0.072	0.072	0.071	0.067	0.063	0.058	0.053	0.048	0.045	0.043	0.041	0.053	0.072	0.041
24	0.039	0.037	0.036	0.036	0.036	0.037	0.038	0.039	0.042	0.044	0.045	0.046	0.047	0.047	0.047	0.046	0.044	0.043	0.042	0.041	0.039	0.038	0.037	0.036	0.041	0.047	0.036
25	0.036	0.036	0.037	0.038	0.041	0.043	0.046	0.048	0.050	0.053	0.058	0.063	0.065	0.066	0.066	0.066	0.064	0.062	0.056	0.051	0.046	0.042	0.040	0.039	0.051	0.066	0.036
26	0.038	0.037	0.038	0.038	0.039	0.040	0.042	0.043	0.046	0.050	0.055	0.060	0.063	0.066	0.067	0.068	0.067	0.063	0.058	0.053	0.049	0.047	0.045	0.044	0.051	0.068	0.037
27	0.043	0.043	0.044	0.045	0.046	0.047	0.049	0.050	0.052	0.053	0.055	0.055	0.055	0.055	0.054	0.053	0.052	0.051	0.049	0.048	0.046	0.045	0.045	0.045	0.049	0.055	0.043
28	0.045	0.045	0.046	0.048	0.050	0.052	0.054	0.056	0.057	0.058	0.057	0.057	0.057	0.056	0.055	0.053	0.052	0.052	0.052	0.050	0.048	0.046	0.045	0.045	0.051	0.058	0.045
29	0.045	0.044	0.045	0.047	0.050	0.053	0.056	0.059	0.061	0.064	0.068	0.072	0.075	0.075	0.074	0.073	0.071	0.069	0.064	0.058	0.053	0.049	0.047	0.044	0.059	0.075	0.044
30	0.043	0.043	0.042	0.043	0.045	0.046	0.048	0.052	0.055	0.058	0.061	0.063	0.065	0.065	0.066	0.064	0.061	0.058	0.054	0.052	0.050	0.049	0.047	0.046	0.053	0.066	0.042
Avg	0.043	0.042	0.042	0.043	0.044	0.044	0.046	0.047	0.049	0.051	0.053	0.054	0.056	0.057	0.057	0.057	0.056	0.055	0.053	0.051	0.049	0.047	0.045	0.044	0.049	--	--
Max	0.056	0.055	0.057	0.058	0.058	0.058	0.058	0.060	0.062	0.064	0.068	0.072	0.075	0.075	0.074	0.073	0.071	0.071	0.070	0.067	0.065	0.062	0.061	0.058	--	0.075	--
Min	0.025	0.025	0.026	0.027	0.028	0.029	0.029	0.031	0.031	0.032	0.033	0.035	0.036	0.036	0.035	0.035	0.033	0.032	0.030	0.028	0.027	0.027	0.026	0.025	--	--	0.025

SAROAD for Resolution, East_Plant
"Component, Channel: TableAmbient_Hourly, O3_ppm"
Month: Apr 2015

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	0.042	0.042	0.043	0.042	0.043	0.040	0.037	0.034	0.044	0.046	0.047	0.048	0.052	0.050	0.051	0.051	0.053	0.053	0.055	0.056	0.055	0.053	0.051	0.049	0.047	0.056	0.034
2	0.052	0.054	0.050	0.046	0.048	0.044	0.044	0.041	0.051	0.054	0.055	0.056	--	0.057	0.056	0.056	0.059	0.059	0.055	0.054	0.054	0.057	0.058	0.058	0.053	0.059	0.041
3	0.054	0.056	0.055	0.054	0.056	0.055	0.053	0.051	0.050	0.050	0.051	0.053	0.057	0.058	0.061	0.061	0.062	0.062	0.063	0.066	0.058	0.057	0.051	0.055	0.056	0.066	0.050
4	0.057	0.056	0.054	0.053	0.050	0.049	0.049	0.046	0.050	0.051	0.054	0.056	0.055	0.057	0.059	0.060	0.062	0.064	0.067	0.068	0.068	0.068	0.068	0.065	0.058	0.068	0.046
5	0.059	0.053	0.045	0.046	0.046	0.047	0.048	0.044	0.049	0.053	0.055	0.055	0.055	0.058	0.059	0.055	0.055	0.055	0.058	0.059	0.059	0.058	0.058	0.058	0.054	0.059	0.044
6	0.057	0.055	0.053	0.053	0.054	0.050	0.051	0.043	0.053	0.056	0.056	0.056	0.056	0.057	0.057	--	--	0.058	0.059	0.058	0.056	0.056	0.052	0.056	0.055	0.059	0.043
7	0.056	0.057	0.054	0.056	0.058	0.057	0.056	0.055	0.055	0.055	0.054	0.056	0.059	0.054	--	--	0.051	0.053	0.055	0.056	0.056	0.054	0.053	0.053	0.055	0.059	0.051
8	0.055	0.050	0.047	0.046	0.045	0.047	0.050	0.052	0.053	0.053	0.054	0.055	0.055	0.056	0.057	0.059	0.061	0.061	0.061	0.060	0.059	0.057	0.058	0.054	0.054	0.061	0.045
9	0.050	0.052	0.054	0.055	0.052	0.053	0.053	0.055	0.059	0.059	0.059	0.061	0.063	0.064	0.064	0.063	0.066	0.068	0.069	0.067	0.063	0.057	0.058	0.055	0.059	0.069	0.050
10	0.061	0.060	0.061	0.063	0.063	0.058	0.054	0.050	0.059	0.063	0.064	0.061	0.061	0.060	--	0.062	0.061	0.062	0.061	0.059	0.057	0.053	0.054	0.057	0.059	0.064	0.050
11	0.058	0.057	0.053	0.055	0.057	0.056	0.053	0.044	0.051	0.056	0.060	0.062	0.059	0.058	0.058	0.059	0.060	0.059	0.058	0.058	0.052	0.055	0.057	0.053	0.056	0.062	0.044
12	0.052	0.054	0.054	0.055	0.054	0.054	0.054	0.051	0.047	0.042	0.042	0.045	0.049	0.054	0.059	0.063	0.064	0.061	0.056	0.053	0.052	0.051	0.049	0.048	0.053	0.064	0.042
13	0.046	0.043	0.040	0.040	0.037	0.040	0.034	0.036	0.042	0.045	0.048	0.050	0.050	0.053	0.055	0.058	0.060	0.061	0.062	0.063	0.062	0.056	0.052	0.050	0.049	0.063	0.034
14	0.050	0.049	0.048	0.049	0.048	0.046	0.045	0.047	0.050	0.052	0.053	0.054	0.054	0.056	0.058	0.058	0.059	0.058	0.058	0.058	0.057	0.055	0.055	0.054	0.053	0.059	0.045
15	0.055	0.054	0.053	0.052	0.052	0.049	0.046	0.044	0.052	0.053	0.055	0.057	0.064	0.066	0.069	0.071	0.068	0.068	0.068	0.065	0.060	0.056	0.054	0.052	0.058	0.071	0.044
16	0.049	0.054	0.055	0.053	0.056	0.054	0.052	0.053	0.054	0.055	0.057	0.057	0.057	0.057	0.059	0.060	0.061	0.061	0.058	0.056	0.055	0.047	0.045	0.044	0.055	0.061	0.044
17	0.048	0.050	0.047	0.049	0.049	0.051	0.044	0.045	0.051	0.055	0.060	0.062	0.067	0.069	0.071	0.073	0.074	0.075	0.075	0.070	0.065	0.060	0.060	0.059	0.060	0.075	0.044
18	0.060	0.062	0.062	0.062	0.061	0.055	0.050	0.052	0.055	0.056	0.057	0.058	0.059	0.061	0.063	0.065	0.068	0.068	0.065	0.063	0.061	0.060	0.061	0.064	0.060	0.068	0.050
19	0.064	0.064	0.065	0.064	0.064	0.062	0.058	0.053	0.059	0.064	0.064	0.064	0.065	0.065	0.066	0.069	0.069	0.069	0.071	0.070	0.069	0.064	0.061	0.057	0.064	0.071	0.053
20	0.058	0.059	0.059	0.056	0.058	0.058	0.053	0.046	0.055	0.058	0.060	0.064	0.064	0.062	0.063	0.065	0.066	0.068	0.069	0.069	0.066	0.057	0.059	0.059	0.061	0.069	0.046
21	0.053	0.053	0.054	0.055	0.050	0.051	0.049	0.049	0.051	0.053	0.053	0.054	0.053	0.053	0.057	0.057	0.055	0.052	0.051	0.050	0.050	0.045	0.042	0.040	0.051	0.057	0.040
22	0.041	0.046	0.047	0.043	0.042	0.044	0.038	0.041	0.046	0.047	0.048	0.050	0.050	0.054	0.056	0.054	0.052	0.051	0.050	0.048	0.048	0.048	0.051	0.050	0.048	0.056	0.038
23	0.050	0.047	0.041	0.041	0.039	0.046	0.045	0.045	0.047	0.048	0.043	--	0.049	0.050	0.051	0.054	0.051	0.049	0.048	0.048	0.050	0.053	0.053	0.051	0.048	0.054	0.039
24	0.051	0.050	0.048	0.047	0.048	0.048	0.048	0.047	0.047	0.047	0.047	0.050	0.048	0.049	0.052	0.052	0.052	0.052	0.053	0.052	0.048	0.042	0.042	0.052	0.049	0.053	0.042
25	0.051	0.051	0.053	0.051	0.049	0.048	0.042	0.044	0.048	0.050	0.050	0.051	0.051	0.052	0.052	0.051	0.050	0.051	0.050	0.051	0.050	0.048	0.047	0.046	0.049	0.053	0.042
26	0.043	0.051	0.053	0.053	0.049	0.046	0.045	0.042	0.044	0.045	0.047	0.049	0.050	0.053	0.057	0.055	0.051	0.051	0.050	0.048	0.041	0.039	0.039	0.038	0.047	0.057	0.038
27	0.039	0.040	0.039	0.037	0.037	0.038	0.039	0.039	0.042	0.042	0.042	0.042	0.043	0.045	0.047	0.051	0.051	0.052	0.055	0.055	0.054	0.052	0.051	0.048	0.045	0.055	0.037
28	0.048	0.041	0.039	0.036	0.036	0.038	0.040	0.044	0.045	0.046	0.047	0.049	0.050	0.051	0.052	0.053	0.053	0.053	0.053	0.053	0.050	0.050	0.050	0.048	0.047	0.053	0.036
29	0.045	0.045	0.045	0.045	0.047	0.045	0.047	0.050	0.054	0.057	0.059	0.059	0.060	0.060	0.059	0.059	0.059	0.059	0.058	0.056	0.047	0.051	0.050	0.049	0.053	0.060	0.045
30	0.051	0.050	0.050	0.051	0.050	0.051	0.050	0.050	0.051	0.054	0.056	0.061	0.061	0.060	--	0.062	0.064	0.064	0.066	0.067	0.067	0.066	0.062	0.062	0.058	0.067	0.050
Avg	0.052	0.052	0.051	0.050	0.050	0.049	0.048	0.046	0.051	0.052	0.053	0.055	0.056	0.057	0.058	0.059	0.059	0.059	0.059	0.059	0.056	0.054	0.053	0.053	0.054	--	--
Max	0.064	0.064	0.065	0.064	0.064	0.062	0.058	0.055	0.059	0.064	0.064	0.064	0.067	0.069	0.071	0.073	0.074	0.075	0.075	0.070	0.069	0.068	0.068	0.065	--	0.075	--
Min	0.039	0.040	0.039	0.036	0.036	0.038	0.034	0.034	0.042	0.042	0.042	0.042	0.043	0.045	0.047	0.051	0.050	0.049	0.048	0.048	0.041	0.039	0.039	0.038	--	--	0.034

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: TableAmbient_Hourly, O3_ppm"
Month: May 2015

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	0.060	0.061	0.063	0.060	0.060	0.056	0.053	0.050	0.057	0.059	0.064	0.065	0.065	0.066	0.065	0.068	0.073	0.075	0.077	0.078	0.075	0.073	0.069	0.063	0.065	0.078	0.050
2	0.062	0.059	0.060	0.055	0.051	0.049	0.048	0.044	0.046	0.053	0.053	0.054	0.056	0.057	0.061	0.065	0.067	0.067	0.065	0.063	0.058	0.058	0.057	0.048	0.056	0.067	0.044
3	0.043	0.040	0.039	0.039	0.038	0.034	0.032	0.033	0.039	0.040	0.043	0.046	0.044	0.043	0.044	0.045	0.049	0.051	0.048	0.045	0.044	0.039	0.040	0.039	0.042	0.051	0.032
4	0.044	0.044	0.041	0.036	0.043	0.041	0.039	0.039	0.040	0.042	0.044	0.045	0.046	0.046	0.048	0.051	0.058	0.057	0.054	0.046	0.038	0.047	0.041	0.037	0.044	0.058	0.036
5	0.038	0.033	0.036	0.040	0.031	0.034	0.034	0.033	0.045	0.048	0.048	0.047	0.046	0.047	0.049	0.052	0.054	0.055	0.058	0.058	0.052	0.045	0.045	0.047	0.045	0.058	0.031
6	0.048	0.044	0.044	0.042	0.032	0.035	0.030	0.035	0.043	--	0.043	0.046	0.049	0.056	0.057	0.055	0.054	0.053	0.052	0.051	0.050	0.051	0.050	0.048	0.046	0.057	0.030
7	0.046	0.044	0.043	0.043	0.044	0.046	0.044	0.044	0.043	0.044	0.045	0.048	0.050	0.049	0.051	0.050	0.050	0.050	0.049	0.048	0.048	0.050	0.048	0.045	0.047	0.051	0.043
8	0.045	0.049	0.047	0.047	0.051	0.052	0.051	0.049	0.049	0.050	0.049	0.050	0.051	0.052	0.055	0.054	0.054	0.054	0.055	0.054	0.055	0.054	0.053	0.054	0.051	0.055	0.045
9	0.054	0.056	0.056	0.055	0.055	0.054	0.055	0.056	0.056	0.056	0.057	0.058	0.059	0.061	0.065	0.069	0.072	0.073	0.073	0.072	0.069	0.067	0.065	0.060	0.061	0.073	0.054
10	0.058	0.053	0.047	0.055	0.060	0.060	0.060	0.061	0.059	0.059	0.059	0.058	0.058	0.058	0.057	0.057	0.061	0.064	0.065	0.064	0.063	0.060	0.057	0.054	0.059	0.065	0.047
11	0.055	0.056	0.054	0.054	0.053	0.046	0.051	0.051	0.051	0.054	0.059	0.063	0.064	0.063	0.063	0.065	0.067	0.068	0.068	0.065	0.058	0.055	0.056	0.058	0.058	0.068	0.046
12	0.064	0.059	0.055	0.055	0.055	0.058	0.048	0.058	0.064	0.064	0.064	0.063	0.063	0.067	0.069	0.066	0.063	0.062	0.061	0.057	0.057	0.055	0.053	0.052	0.060	0.069	0.048
13	0.050	0.049	0.045	0.045	0.045	0.043	0.043	0.047	0.049	0.051	0.053	0.054	0.051	0.048	0.048	0.051	0.051	0.051	0.049	0.046	0.046	0.042	0.041	0.039	0.047	0.054	0.039
14	0.043	0.042	0.041	0.042	0.044	0.041	0.042	0.042	0.045	0.048	0.048	0.050	0.049	0.055	0.055	0.057	0.057	0.054	0.051	0.051	0.053	0.054	0.056	0.057	0.049	0.057	0.041
15	0.057	0.057	0.052	0.051	0.050	0.048	0.049	0.047	0.048	0.048	0.043	--	0.050	0.050	0.048	0.047	0.045	0.042	0.040	0.038	0.033	0.029	0.032	0.040	0.045	0.057	0.029
16	0.044	0.056	0.057	0.051	0.048	0.047	0.047	0.046	0.047	0.047	0.047	0.046	0.048	0.048	0.049	0.052	0.055	0.056	0.058	0.058	0.050	0.041	0.040	0.043	0.049	0.058	0.040
17	0.046	0.049	0.049	0.053	0.048	0.048	0.045	0.046	0.053	0.058	0.059	0.062	0.061	0.060	0.060	0.060	0.061	0.062	0.064	0.064	0.054	0.055	0.057	0.052	0.055	0.064	0.045
18	0.058	0.055	0.055	0.054	0.050	0.045	0.041	0.049	0.057	0.059	0.057	0.057	0.059	0.059	0.062	0.061	0.058	0.055	0.054	0.055	0.055	0.054	0.055	0.054	0.055	0.062	0.041
19	0.050	0.048	0.047	0.050	0.044	0.046	0.037	0.043	0.051	0.055	0.057	0.056	0.056	0.057	0.060	0.063	0.066	0.068	0.069	0.068	0.059	0.055	0.055	0.055	0.055	0.069	0.037
20	0.053	0.057	0.060	0.063	0.058	0.052	0.051	0.055	0.056	--	0.056	0.059	0.060	0.060	0.061	0.064	0.069	0.071	0.071	0.069	0.065	0.061	0.053	0.048	0.060	0.071	0.048
21	0.050	0.046	0.044	0.043	0.044	0.046	0.042	0.040	0.044	0.047	0.050	0.050	0.053	0.058	0.056	0.056	0.057	0.059	0.055	0.056	0.060	0.066	0.068	0.066	0.052	0.068	0.040
22	0.063	0.061	0.061	0.059	0.053	0.046	0.047	0.052	0.054	0.055	0.055	0.056	0.054	0.052	0.051	0.053	0.052	0.051	0.052	0.051	0.051	0.051	0.050	0.047	0.053	0.063	0.046
23	0.044	0.041	0.042	0.046	0.051	0.039	0.038	0.048	0.054	0.055	0.055	0.055	0.055	0.056	0.057	0.058	0.060	0.062	0.063	0.063	0.061	0.058	0.052	0.045	0.052	0.063	0.038
24	0.048	0.055	0.054	0.053	0.048	0.043	0.039	0.049	0.052	0.055	0.055	0.055	0.054	0.056	0.057	0.059	0.061	0.061	0.063	0.061	0.061	0.063	0.064	0.066	0.055	0.066	0.039
25	0.058	0.052	0.053	0.053	0.050	0.046	0.041	0.048	0.051	0.051	0.051	0.052	0.052	0.052	0.055	0.058	0.060	0.061	0.064	0.066	0.066	0.064	0.058	0.059	0.055	0.066	0.041
26	0.055	0.055	0.056	0.048	0.046	0.048	0.039	0.043	0.048	0.052	0.054	0.056	0.054	0.055	0.055	0.055	0.057	0.061	0.062	0.062	0.055	0.056	0.057	0.054	0.053	0.062	0.039
27	0.053	0.051	0.047	0.043	0.044	0.046	0.044	--	--	0.054	0.049	0.056	0.059	0.059	0.060	0.061	0.064	0.065	0.061	0.061	0.058	0.058	0.063	0.065	0.056	0.065	0.043
28	0.065	0.064	0.060	0.060	0.059	0.054	0.051	0.055	0.060	0.060	0.064	0.061	0.060	0.059	0.060	0.062	0.065	0.069	0.070	0.073	0.076	0.081	0.077	0.072	0.064	0.081	0.051
29	0.059	0.057	0.056	0.053	0.053	0.052	0.048	0.050	0.055	0.058	0.059	0.060	0.057	0.055	0.056	0.057	0.059	0.062	0.064	0.067	0.070	0.064	0.064	0.062	0.058	0.070	0.048
30	0.063	0.063	0.065	0.063	0.061	0.057	0.055	0.056	0.057	0.058	0.063	0.062	0.059	0.057	0.056	0.055	0.058	0.060	0.062	0.066	0.063	0.057	0.055	0.055	0.059	0.066	0.055
31	0.055	0.053	0.054	0.049	0.048	0.047	0.051	0.049	0.050	0.053	0.054	0.057	0.059	0.055	0.052	0.054	0.057	0.053	0.047	0.048	0.044	0.041	0.040	0.035	0.050	0.059	0.035
Avg	0.053	0.052	0.051	0.050	0.049	0.047	0.045	0.047	0.051	0.053	0.053	0.055	0.055	0.055	0.056	0.057	0.059	0.060	0.059	0.059	0.056	0.055	0.054	0.052	0.054	--	--
Max	0.065	0.064	0.065	0.063	0.061	0.060	0.060	0.061	0.064	0.064	0.064	0.065	0.065	0.067	0.069	0.069	0.073	0.075	0.077	0.078	0.076	0.081	0.077	0.072	--	0.081	--
Min	0.038	0.033	0.036	0.036	0.031	0.034	0.030	0.033	0.039	0.040	0.043	0.045	0.044	0.043	0.044	0.045	0.045	0.042	0.040	0.038	0.033	0.029	0.032	0.035	--	--	0.029

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: TableAmbient_Hourly, O3_ppm"
Month: Jun 2015

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	0.032	0.030	0.034	0.039	0.040	0.040	0.032	0.043	0.046	0.046	0.045	0.043	0.045	0.049	0.053	0.054	0.051	0.050	0.050	0.049	0.047	0.047	0.047	0.045	0.044	0.054	0.030
2	0.044	0.042	0.039	0.041	0.038	0.036	0.033	0.035	0.045	0.051	0.047	0.045	0.046	0.048	0.049	0.051	0.050	0.053	0.052	0.052	0.055	0.054	0.052	0.048	0.046	0.055	0.033
3	0.050	0.052	0.058	0.063	0.062	0.058	0.048	--	0.046	0.047	0.048	0.050	0.052	0.054	0.056	0.054	0.053	0.053	0.056	0.055	0.056	0.055	0.055	0.056	0.054	0.063	0.046
4	0.054	0.049	0.049	0.048	0.043	0.049	0.044	0.044	0.047	0.050	0.050	0.050	0.051	0.053	0.050	0.052	0.055	0.056	0.053	0.049	0.043	0.038	0.042	0.038	0.048	0.056	0.038
5	0.042	0.040	0.038	0.039	0.034	0.034	0.035	0.038	0.038	0.036	0.035	0.034	0.034	0.033	0.035	0.039	0.038	0.037	0.038	0.034	0.030	0.030	0.029	0.028	0.035	0.042	0.028
6	0.027	0.027	0.022	0.026	0.025	0.027	0.017	0.027	0.030	0.031	0.031	0.032	0.033	0.031	0.031	0.032	0.039	0.045	0.048	0.052	0.051	0.048	0.044	0.042	0.034	0.052	0.017
7	0.042	0.044	0.042	0.040	0.041	0.032	0.034	0.042	0.036	0.029	0.029	0.032	0.036	0.028	0.030	0.034	0.036	0.041	0.042	0.043	0.041	0.037	0.038	0.037	0.037	0.044	0.028
8	0.042	0.045	0.042	0.044	0.041	0.036	0.034	0.034	0.034	0.034	0.033	0.032	0.028	0.036	0.046	0.043	0.043	0.046	0.045	0.047	0.044	0.048	0.054	0.041	0.041	0.054	0.028
9	0.038	0.038	0.038	0.036	0.038	0.035	0.036	0.032	0.034	0.035	0.035	0.037	0.038	0.040	0.041	0.043	0.043	0.040	0.040	0.044	0.048	0.049	0.050	0.044	0.040	0.050	0.032
10	0.039	0.038	0.036	0.036	0.034	0.029	0.032	0.032	0.034	0.039	0.038	0.039	0.037	0.036	0.036	0.037	0.041	0.046	0.044	0.042	0.039	0.035	0.034	0.033	0.037	0.046	0.029
11	0.032	0.031	0.028	0.026	0.024	0.028	0.029	0.035	0.046	0.050	0.053	0.056	0.057	0.062	0.065	0.073	0.071	0.072	0.076	0.078	0.076	0.070	0.063	0.064	0.053	0.078	0.024
12	0.065	0.061	0.058	0.062	0.057	0.055	0.045	0.045	--	0.050	0.055	0.057	0.059	0.060	0.060	0.062	0.065	0.068	0.070	0.070	0.067	0.064	0.060	0.061	0.060	0.070	0.045
13	0.063	0.065	0.062	0.060	0.054	0.048	0.042	0.046	0.051	0.052	0.053	0.055	0.057	0.060	0.062	0.064	0.065	0.067	0.071	0.074	0.069	0.058	0.052	0.051	0.058	0.074	0.042
14	0.051	0.053	0.051	0.048	0.045	0.041	0.036	0.042	0.046	0.048	0.050	0.051	0.051	0.051	0.052	0.054	0.057	0.060	0.063	0.065	0.063	0.062	0.062	0.061	0.053	0.065	0.036
15	0.056	0.053	0.051	0.050	0.047	0.042	0.041	0.044	0.044	0.047	0.048	0.050	0.053	0.053	0.055	0.056	0.059	0.060	0.060	0.062	0.062	0.058	0.050	0.047	0.052	0.062	0.041
16	0.049	0.049	0.047	0.042	0.043	0.044	0.045	0.048	0.053	0.054	0.056	0.057	0.059	0.058	0.057	0.061	0.066	0.070	0.073	0.079	0.068	0.062	0.056	0.048	0.056	0.079	0.042
17	0.045	0.046	0.049	0.035	0.049	0.040	0.045	0.051	0.052	0.054	0.058	0.057	0.055	0.055	0.057	0.060	0.064	0.068	0.074	0.076	0.066	0.056	0.053	0.050	0.055	0.076	0.035
18	0.048	0.043	0.037	0.039	0.041	0.045	0.043	0.046	0.050	0.059	0.056	0.054	0.054	0.058	0.062	0.071	0.075	0.067	0.070	0.064	0.058	0.056	0.052	0.051	0.054	0.075	0.037
19	0.049	0.050	0.056	0.059	0.055	0.053	0.049	0.049	0.072	0.061	0.065	0.060	0.058	0.045	--	0.064	0.062	0.062	0.061	0.063	0.063	0.059	0.057	0.058	0.058	0.072	0.045
20	0.056	0.054	0.053	0.051	0.056	0.053	0.048	0.049	0.059	0.061	0.063	0.062	0.062	0.061	0.065	0.067	0.068	0.069	0.070	0.072	0.075	0.075	0.070	0.070	0.062	0.075	0.048
21	0.067	0.059	0.045	0.038	0.037	0.039	0.039	0.039	0.037	0.038	0.038	0.040	0.042	0.042	0.044	0.049	0.053	0.056	0.059	0.067	0.060	0.052	0.050	0.044	0.047	0.067	0.037
22	0.043	0.043	0.039	0.037	0.036	0.035	0.038	0.040	0.042	0.043	0.045	0.044	0.043	0.045	0.048	0.052	0.059	0.071	0.087	0.072	0.064	0.058	0.058	0.055	0.050	0.087	0.035
23	0.049	0.046	0.046	0.044	0.041	0.039	0.035	0.038	0.044	0.044	0.044	0.045	0.049	0.054	0.063	0.077	0.082	0.082	0.080	0.074	0.064	0.056	0.051	0.048	0.054	0.082	0.035
24	0.045	0.043	0.040	0.038	0.038	0.041	0.037	0.033	0.032	0.034	0.038	0.039	0.043	0.046	0.050	0.052	0.047	0.045	0.045	0.048	0.046	0.043	0.039	0.041	0.042	0.052	0.032
25	0.037	0.038	0.036	0.035	0.036	0.035	0.035	0.037	0.038	0.041	0.049	0.055	0.058	0.053	0.052	0.054	0.065	0.082	0.083	0.075	0.067	0.055	0.047	0.043	0.050	0.083	0.035
26	0.043	0.041	0.038	0.037	0.036	0.035	--	0.036	0.040	0.042	0.043	0.044	0.044	0.046	0.049	0.057	0.075	0.083	0.083	0.072	0.064	0.059	0.051	0.049	0.051	0.083	0.035
27	0.042	0.042	0.043	0.044	0.044	0.043	0.041	0.042	0.046	0.047	0.050	0.053	0.056	0.054	0.055	0.056	0.057	0.057	0.053	0.056	0.050	0.048	0.047	0.046	0.049	0.057	0.041
28	0.047	0.047	0.046	0.041	0.041	0.045	0.047	0.047	0.049	0.053	0.057	0.059	0.059	0.060	0.061	0.061	0.051	0.048	0.055	0.057	0.056	0.050	0.043	0.053	0.051	0.061	0.041
29	0.054	0.050	0.041	0.036	0.041	0.042	0.045	0.048	0.051	0.055	0.060	0.063	0.065	0.064	0.065	0.068	0.074	0.087	0.092	0.083	0.068	0.059	0.055	0.053	0.059	0.092	0.036
30	0.054	0.050	0.046	0.040	0.039	0.039	0.037	0.044	0.047	0.049	0.049	0.053	0.053	0.054	0.063	0.070	0.074	0.072	0.068	0.062	0.060	0.057	0.051	0.046	0.053	0.074	0.037
Avg	0.047	0.046	0.044	0.042	0.042	0.041	0.039	0.041	0.044	0.046	0.047	0.048	0.049	0.050	0.052	0.056	0.058	0.060	0.062	0.061	0.057	0.053	0.050	0.048	0.049	--	--
Max	0.067	0.065	0.062	0.063	0.062	0.058	0.049	0.051	0.072	0.061	0.065	0.063	0.065	0.064	0.065	0.077	0.082	0.087	0.092	0.083	0.076	0.075	0.070	0.070	--	0.092	--
Min	0.027	0.027	0.022	0.026	0.024	0.027	0.017	0.027	0.030	0.029	0.029	0.032	0.028	0.028	0.030	0.032	0.036	0.037	0.038	0.034	0.030	0.030	0.029	0.028	--	--	0.017

-- Indicates Invalid Data

Appendix D: West Plant Meteorological Site Check Forms

AIR SCIENCES INC.

WEST PLANT
MET SITE CHECK FORM
Resolution
PROJECT NO. 262-1

Date: 04/01/2015 ✓ Time: 10:42 ✓ Operator: Kane Ballard

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 data logger 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)	5mps	3.84	5.98	+
Direction* 10m (deg)	SW	192.52	197	+
Ambient Temperature (°C)	29°	26.70	26.1	+
Relative Humidity (%)	15%	21.39	23.2	+
Aspirated Temp 2m	29°	25.10	25.4	+
Aspirated Temp 10m	28°	23.12	23.1	+
Delta Temperature (°C)	N/A	-1.98	-2.29	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	861.23	853	+
Barometric Pressure (mmHg)	N/A	681.91	682	+
Battery Voltage (V)	N/A	12.77	12.8	+
Time (MST)	N/A	10:44	10:45 L.T.	+
Date	N/A	04-01-2015	04-01-2015	+

*Direction wind is from

Comments/Unusual Occurrences or Weather: filled evap pan ✓

When form is completed, please fax to Air Sciences Inc. @ 303-279-3796 (no cover sheet is necessary).

Site Operator Signature: Kane Ballard

AIR SCIENCES INC.

WEST PLANT
MET SITE CHECK FORM
Resolution
PROJECT NO. 262-1

Date: 04/10/2015 Time: 9:26 Operator: Kami Ballard

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 data logger 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)	1 m/s	1.73	1.73	+
Direction* 10m (deg)	8.	185.50	136	+
Ambient Temperature (°C)	24°	22.30	22.3	+
Relative Humidity (%)	15%	10.14	10.6	+
Aspirated Temp 2m	24°	21.41	21.4	+
Aspirated Temp 10m	23°	19.89	19.9	+
Delta Temperature (°C)	N/A	-1.22	-1.52	+
Solar Radiation (w/m^2)	Sunny Partly cloudy Cloudy	711.10	711	+
Barometric Pressure (mmHg)	N/A	682.70	683	+
Battery Voltage (V)	N/A	12.84	12.8	+
Time (MST)	N/A	9:29	9:30 LT	+
Date	N/A	04/10/2015	04/10/2015	+

66

*Direction wind is from

Comments/Unusual Occurrences or Weather: _____

When form is completed, please fax to Air Sciences Inc. @ 303-279-3796 (no cover sheet is necessary).

Site Operator Signature: Kami Ballard

AIR SCIENCES INC.

WEST PLANT
MET SITE CHECK FORM
Resolution
PROJECT NO. 262-1

Date: 04-22 2015 ✓ Time: 1 56 ✓ Operator: Jovan Hicks

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 data logger 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)	~~DS~~ S	174.54	5.28	+
Direction* 10m (deg)	5m/s	6.75	202	✱
Ambient Temperature (°C)	26°	27.92	26.4	+
Relative Humidity (%)	10%	7.89	8.72	+
Aspirated Temp 2m	26°	27.81	26.1	+
Aspirated Temp 10m	25°	24.54	23.9	+
Delta Temperature (°C)	N/A	-3.43	-2.26	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	927.21	938	+
Barometric Pressure (mmHg)	N/A	679.51	680	+
Battery Voltage (V)	N/A	12.79	12.8	+
Time (MST)	N/A	14:01	14:00 L.T.	+
Date	N/A	4/22/2015	04/22/2015	+

G6-
215 - 13:30
185 - 13:45
187 - 14:15
184 - 14:30

*Direction wind is from ✱ 0.008" of precip. invalidated @14:00 hrs! G6.

Comments/Unusual Occurrences or Weather: Evap. pan filled & tipped precip gauge ✓ G6.

When form is completed, please fax to Air Sciences Inc. @ 303-279-3796 (no cover sheet is necessary).

Site Operator Signature: [signature]

AIR SCIENCES INC.

WEST PLANT
MET SITE CHECK FORM
Resolution
PROJECT NO. 262-1

Date: 4/30/2015 ✓ Time: 12:04 ✓ Operator: Kane Ballard

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 data logger 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)	1 m/s	3.5	2.92	+
Direction* 10m (deg)	WSW	220	235	+
Ambient Temperature (°C)	29°	30°	31.4	+
Relative Humidity (%)	15%	9.8%	9.09	+
Aspirated Temp 2m	29°	31.1	30.9	+
Aspirated Temp 10m	28°	29.3	29.4	+
Delta Temperature (°C)	N/A	-1.7	-1.47	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	1042.0	1,040	+
Barometric Pressure (mmHg)	N/A	681.3	681	+
Battery Voltage (V)	N/A	12.73	12.7	+
Time (MST)	N/A	12:08	12:15 LT	+
Date	N/A	4/30/2015	4/30/2015	+

*Direction wind is from

Comments/Unusual Occurrences or Weather: _____

When form is completed, please fax to Air Sciences Inc. @ 303-279-3796 (no cover sheet is necessary).

Site Operator Signature: Kane Ballard

AIR SCIENCES INC.

WEST PLANT
MET SITE CHECK FORM
Resolution
PROJECT NO. 262-1

Date: 8 May 15 Time: 8:48 Operator: Jovan Hider

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 data logger 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.

EG

Parameter	Estimated	Logger	Audit	
Speed 10m (m/s)	1 m/s	2.66	2.11	-
Direction* 10m (deg)	295	295.42	276	+
Ambient Temperature (°C)	65°F/18°C	16.88°C	16.1	+
Relative Humidity (%)	30%	43%	43.8	+
Aspirated Temp 2m	18°	15.6	15.2	+
Aspirated Temp 10m	17°	14.54	14.6	+
Delta Temperature (°C)	N/A	-0.65	-0.643	+
Solar Radiation (w/m²)	(Sunny) Partly cloudy Cloudy	674.84	637	+
Barometric Pressure (mmHg)	N/A	679.93	680	+
Battery Voltage (V)	N/A	12.9 V	12.9	+
Time (MST)	N/A	08:48	08:45 L.T.	+
Date	N/A	8 May 15	05/08/2015	+

*Direction wind is from

Comments/Unusual Occurrences or Weather: _____

When form is completed, please fax to Air Sciences Inc. @ 303-279-3796 (no cover sheet is necessary).

Site Operator Signature: _____

AIR SCIENCES INC.

WEST PLANT
MET SITE CHECK FORM
Resolution
PROJECT NO. 262-1

Date: 18 May 15 ✓ Time: 1:57 pm ✓ Operator: Jovan Hicks

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 data logger 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)	290	238.10	3.8	+
Direction* 10m (deg)	NE	? ?	204	★
Ambient Temperature (°C)	16°	17.9°	17.7	+
Relative Humidity (%)	50%	44.53	46.8	+
Aspirated Temp 2m	16°	17.52°	17.4	+
Aspirated Temp 10m	15.5°	16.72°	16.5	+
Delta Temperature (°C)	N/A	-0.87	-0.879	+
Solar Radiation (w/m²)	Sunny Partly cloudy (Cloudy)	241.37	537	+
Barometric Pressure (mmHg)	N/A	679.12	679	+
Battery Voltage (V)	N/A	12.93	12.9	+
Time (MST)	N/A	14:01	14:00 L.T.	+
Date	N/A	18 May 15	05/15/2015	+

212 - 13:30
226 - 13:45
219 - 14:15
200 - 14:30

*Direction wind is from

Comments/Unusual Occurrences or Weather: Filled evap tank ✓

When form is completed, please fax to Air Sciences Inc. @ 303-279-3796 (no cover sheet is necessary).

Site Operator Signature: [signature]

AIR SCIENCES INC.

WEST PLANT
MET SITE CHECK FORM
Resolution
PROJECT NO. 262-1

Date: 5-20-2015 ✓ Time: 0739 ✓ Operator: R. ATTRIDGE

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

Parameter	Estimated	Logger	Audit	
Speed 10m (m/s)	1	0.41	0.71	342 - 7:15 + 312 - 7:30
Direction* 10m (deg)	WEST	243.0	151	K 254 - 8:00
Ambient Temperature (°C)	25	22.0	22.4	+ 196 8:15
Relative Humidity (%)	25	24.4	24.6	+
Aspirated Temp 2m	25	20.9	21.2	+
Aspirated Temp 10m	25	20.5	20.5	+
Delta Temperature (°C)	N/A	-0.66	-0.725	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	386.7	364	+
Barometric Pressure (mmHg)	N/A	681.8	682	+
Battery Voltage (V)	N/A	12.6	12.7	+
Time (MST)	N/A	0741	07:45 - L.T.	+
Date	N/A	2015-05-20	2015-05-20	+

*Direction wind is from

Comments/Unusual Occurrences or Weather: TRIGGERED RAIN GAUGE - ✓

K 0.02" of precip. invalidated @ 08:15 hrs! EG-

When form is completed, please fax to Air Sciences Inc. @ 303-279-3796 (no cover sheet is necessary).

Site Operator Signature: R [signature]

AIR SCIENCES INC.

WEST PLANT
MET SITE CHECK FORM
Resolution
PROJECT NO. 262-1

Date: 5-27-15 ✓ Time: 11:10 ✓ Operator: K Beale

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 data logger 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)	1 mph	2.04 ~~12.04~~ KB	1.6	+
Direction* 10m (deg)	W	259.5	205	✱
Ambient Temperature (°C)	85°C	28.03°C	28.5	+
Relative Humidity (%)	20%	22.3%	19.6	+
Aspirated Temp 2m	85°C	27.01°C	27.6	+
Aspirated Temp 10m	85°C	26.17	26.5	+
Delta Temperature (°C)	N/A	-.68	-1.1	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	975.8	963	+
Barometric Pressure (mmHg)	N/A	682.3	682	+
Battery Voltage (V)	N/A	12.77	12.8	+
Time (MST)	N/A	11:12	11:15 L.T.	+
Date	N/A	5-27-15	5-27-2015	+

KB -
+ 229 - 10:45
249 - 11:00
✱ 154 - 11:30
+ 26.3 - 11:45

*Direction wind is from

Comments/Unusual Occurrences or Weather: filled evap pan. Computer not working ✓ pulled data from backual logger KB -

When form is completed, please fax to Air Sciences Inc. @ 303-279-3796 (no cover sheet is necessary).

Site Operator Signature: K Beale

AIR SCIENCES INC.

WEST PLANT
MET SITE CHECK FORM
Resolution
PROJECT NO. 262-1

Date: 4 June 15 ✓ Time: 11:11 ✓ Operator: Jovan Dirk

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 data logger 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)		5.83	3.01	+
Direction* 10m (deg)		128.12	140	+
Ambient Temperature (°C)		32.4	32.4	+
Relative Humidity (%)		8.07	7.77	+
Aspirated Temp 2m		32.8	32.3	+
Aspirated Temp 10m		31.1	30.6	+
Delta Temperature (°C)	N/A	-1.63	-1.68	+
Solar Radiation (w/m²)	Sunny / Partly cloudy / Cloudy	567.46	618	+
Barometric Pressure (mmHg)	N/A	679.938	680	+
Battery Voltage (V)	N/A	12.7	12.7	+
Time (MST)	N/A	11:16	11:15 L.T.	+
Date	N/A	06/04/15	6/4/2015	+

66

*Direction wind is from

Comments/Unusual Occurrences or Weather:

When form is completed, please fax to Air Sciences Inc. @ 303-279-3796 (no cover sheet is necessary).

Site Operator Signature:

AIR SCIENCES INC.

WEST PLANT
MET SITE CHECK FORM
Resolution
PROJECT NO. 262-1

Date: 6-12-15 ✓ Time: 1311 ✓ Operator: Jovan Hicks

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 data logger 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)	No wind	0.81	2.66	+
Direction* 10m (deg)	✓	235.67	245	+
Ambient Temperature (°C)	34	33.74	34.2	+
Relative Humidity (%)	15%	13.2	12.9	+
Aspirated Temp 2m	34	33.8	33.9	+
Aspirated Temp 10m	33	32.3	32.4	+
Delta Temperature (°C)	N/A	-1.13	-1.42	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	1022.33	1029	+
Barometric Pressure (mmHg)	N/A	678.234	678	+
Battery Voltage (V)	N/A	12.69	12.7	+
Time (MST)	N/A	13:12	13:15 L.T.	+
Date	N/A	12 Jun 18	06/12/15	+

*Direction wind is from

Comments/Unusual Occurrences or Weather: Water not working for fill tank ✓

When form is completed, please fax to Air Sciences Inc. @ 303-279-3796 (no cover sheet is necessary).

Site Operator Signature: [signature]

AIR SCIENCES INC.

WEST PLANT
MET SITE CHECK FORM
Resolution
PROJECT NO. 262-1

Date: 6-19-15 ✓ Time: 10:30 ✓ Operator: Jovan Urks

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 data logger 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	3.68	2.55	+
Direction* 10m (deg)	NW	239.7	269	+
Ambient Temperature (°C)	38	37.7	38	+
Relative Humidity (%)	10	8.5	8.7	+
Aspirated Temp 2m	38	37.5	37	+
Aspirated Temp 10m	37.5	36.1	36.2	+
Delta Temperature (°C)	N/A	-1.23	-0.909	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	937.42	899	+
Barometric Pressure (mmHg)	N/A	681.52	682	+
Battery Voltage (V)	N/A	12.54	12.6	+
Time (MST)	N/A	10:33	10:30 LT.	+
Date	N/A	6-19-15	6/19/15	+

66 -
183 - 10:00
267 - 10:15
276 - 10:45
277 - 11:00

*Direction wind is from

Comments/Unusual Occurrences or Weather: Evap tank dry / no water avail ✓ 66 -

When form is completed, please fax to Air Sciences Inc. @ 303-279-3796 (no cover sheet is necessary).

Site Operator Signature: [signature]

AIR SCIENCES INC.

WEST PLANT
MET SITE CHECK FORM
Resolution
PROJECT NO. 262-1

Date: 25 Jun 15 Time: 1125 Operator: Jovan Hicks

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 data logger 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)		4.81	4.47	+
Direction* 10m (deg)		~~4.81~~ 254.2	246	+
Ambient Temperature (°C)		38.4	38.6	+
Relative Humidity (%)		18.2	18	+
Aspirated Temp 2m		37.9	38.2	+
Aspirated Temp 10m		36.8	36.7	+
Delta Temperature (°C)	N/A	-1.27	-1.54	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	968.01	957	+
Barometric Pressure (mmHg)	N/A	681.87	682	+
Battery Voltage (V)	N/A	12.65	12.6	+
Time (MST)	N/A	13:27	13:30 L.T.	+
Date	N/A	25 Jun 15	06/25/2015	+

*Direction wind is from

Comments/Unusual Occurrences or Weather: still No ladder on site ✓ EG

When form is completed, please fax to Air Sciences Inc. @ 303-279-3796 (no cover sheet is necessary).

Site Operator Signature: [signature]

Appendix E: West Plant PM10 and $PM_{2.5}$ Site Check Forms and Flow Audits

WEST PLANT

BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 04/01/2015 Time: 10:44 Operator: Ken Bellard

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). 3/28 - 4/01 BAM Cal ✓ GG
✓		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 page 56 of BAM manual.*

YES	NO	
✓		1. Inlet Flow check Performed
✓		2. Visual inspection and dust removal
✓		3. Leak check performed
	✓	4. PM10 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 page 56 of BAM manual.*

GG

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 page 56 of BAM manual.*

GG

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 page 56 of BAM manual.*

GG

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: Ken B

**Fax completed form to Air Sciences at 303-279-3796

AIR SCIENCES INC.

Monthly Flow Verification PM_{10}

West Plant

PARTICULATE MONITORING PROJECT

PROJECT NO. 262-1

Met One BAM 1020 PM_{10}: S/N: M8712

Firmware:

Calibrator: Delta Cal S/N:

Date of Flow Audit: 04/01/2015

Time of Flow Audit: 10:44

	BAM	STD
Ambient Temperature (AT) °c	27.3	28.3
Berometric Pressure mmHg	683	682

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
(1) Actual Flow	15	15.0	0	15.36	2.34
Acceptable Differential		***14.700 - 15.300***	***+/- 2%***	***14.250 - 15.750***	***+/- 5%***
(2) Actual Flow	18.4	18.4	0	18.73	1.76
Acceptable Differential		***18.032 - 18.768***	***+/- 2%***	***17.480 - 19.320***	***+/- 5%***
(3) Actual Flow	16.7	16.7	0	17.03	1.94
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	0.2

Should be < 1.0 LPM

Comments/Abnormalities: Self test Passed

* PM10 conc. & flow invalidated @ 11:00hrs!

Signature: Kame Ballard

Upon completion of this form, fax to Air Sciences at 303-279-3796

WEST PLANT

BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 04 04/10/15 ? Time: 9:33 ✓ Operator: Kami Ballard

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). 04/08 → Maintenance ✓ 56
✓		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 page 56 of BAM manual.*

56

YES	NO	
	–	1. Inlet Flow check Performed
	–	2. Visual inspection and dust removal
	–	3. Leak check performed
	–	4. PM10 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 page 56 of BAM manual.*

56

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 page 56 of BAM manual.*

56

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 page 56 of BAM manual.*

56

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: Kami Ballard

**Fax completed form to Air Sciences at 303-279-3796

WEST PLANT

BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 4/30/2015 Time: 12:10 Operator: K. B. Cleard

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). 4/27 → Power Fail (Powered down) ✓ GG.
✓		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 page 56 of BAM manual.*

YES	NO	
✓		1. Inlet Flow check Performed
✓		2. Visual inspection and dust removal
✓		3. Leak check performed
	✓ ✓	4. PM10 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 page 56 of 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 page 56 of BAM manual.*

GG

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 page 56 of BAM manual.*

GG

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: ~~A~~ PM10 conc. + flow invalidated @ 15:00 hrs! GG

Signature: Kim B. Cleard

**Fax completed form to Air Sciences at 303-279-3796

AIR SCIENCES INC.

Monthly Flow Verification PM_{10}

West Plant

PARTICULATE MONITORING PROJECT

PROJECT NO. 262-1

Met One BAM 1020 PM_{10}: S/N: 8712

Firmware:

Calibrator: Delta Cal S/N: 1034

Date of Flow Audit: 4/30/2015

Time of Flow Audit: 12:14

	BAM	STD
Ambient Temperature (AT) °c	30.9	31.1
Berometric Pressure mmHg	682	681.0

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
(1) Actual Flow	15	15.0	0	15.05	0.53
Acceptable		*14.700 - 15.300*	*+/- 2%*	*14.250 - 15.750*	
Differential					*+/- 5%*
(2) Actual Flow	18.4	18.4	0	18.52	0.65
Acceptable		*18.032 - 18.768*	*+/- 2%*	*17.480 - 19.320*	
Differential					*+/- 5%*
(3) Actual Flow	16.7	16.7	0	16.84	-0.85
Acceptable		*16.336 - 17.034*	*+/- 2%*	*15.865 - 17.535*	
Differential					*+/- 5%*

Calculations:

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

(2) % Diff = [(BAM - Calibrator)/Calibrator]*100 (+/- 5%)

	BAM
(2) Leak Test	0.3

Should be < 1.0 LPM

Comments/Abnormalities: Self Test - Passed

Signature: Kame Bolland

Upon completion of this form, fax to Air Sciences at 303-279-3796

WEST PLANT

BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 8 May 15 Time: 8:56 Operator: Jovan Hughs

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 page 56 of BAM manual.*

GG-

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 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 page 56 of BAM manual.*

GG

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 page 56 of BAM manual.*

GG-

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 page 56 of BAM manual.*

GG-

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: 4/30/15 Pressure delta pressure ✓ GG

Signature:

**Fax completed form to Air Sciences at 303-279-3796

WEST PLANT

BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 15 May 15 Time: 1:48 pm Operator: Jovan Hicks

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). 4/30 pressure delta pressure – 56
✓		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 page 56 of BAM manual.*

56 –

YES	NO	
	–	1. Inlet Flow check Performed
	–	2. Visual inspection and dust removal
	–	3. Leak check performed
	–	4. PM10 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 page 56 of BAM manual.*

56

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 page 56 of BAM manual.*

56 –

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 page 56 of BAM manual.*

56 –

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: NO NEW ERRORS SINCE 4/30 – 56

Signature: [signature]

**Fax completed form to Air Sciences at 303-279-3796

WEST PLANT

BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 5-20-2015 Time: 0745 Operator: R. ATTREDGE

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 page 56 of BAM manual.*

YES	NO		
	X	1.	Inlet Flow check Performed
X		2.	Visual inspection and dust removal
	X	3.	Leak check performed
	X	4.	PM10 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 page 56 of BAM manual.*

YES	NO		
	X	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 page 56 of 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 page 56 of 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: PM10 cond + flow invalidated for 08:00 and 09:00 hrs due to site visit and maintenance performed by ASI! GG.

Signature: R Attredge

**Fax completed form to Air Sciences at 303-279-3796

WEST PLANT

BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 22 Apr 15 ✓ Time: 14:07 — Operator: Jovan [illegible]

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). 4/08/ Bam Cal membrane 5% ✓ 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)

exit x2
F3

Exit x2
Operate
Normal

II. **BAM SAMPLER** – Routine Maintenance (monthly). Check yes if maintenance was performed during this visit. *See page 56 of BAM manual.*

66.

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 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 page 56 of 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 page 56 of 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 page 56 of 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: [signature]

**Fax completed form to Air Sciences at 303-279-3796

WEST PLANT

BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 5-27-15 Time: 11:09 Operator: Kacie Boot

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). 5/20 last F3 Flow AT Disc ✓
✓		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 page 56 of BAM manual.*

6.6-

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 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 page 56 of BAM manual.*

6.6-

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 page 56 of BAM manual.*

6.6-

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 page 56 of BAM manual.*

6.6-

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: _____

**Fax completed form to Air Sciences at 303-279-3796

WEST PLANT

BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC

Date: 6/04/15 Time: 11:18 Operator: Jovan Hicks

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). 5/20 AT Flow disconnect ✓
✓		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 page 56 of BAM manual.*

✓

YES	NO	
✓		1. Inlet Flow check Performed
✓		2. Visual inspection and dust removal
✓		3. Leak check performed
	✓	4. PM10 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 page 56 of 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 page 56 of 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 page 56 of 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: changed Tape ✓

Signature: [signature]

**Fax completed form to Air Sciences at 303-279-3796

AIR SCIENCES INC.

Monthly Flow Verification PM_{10}

West Plant

PARTICULATE MONITORING PROJECT

PROJECT NO. 262-1

Met One BAM 1020 PM_{10}: S/N: 8712

Firmware:

Calibrator: S/N:

Date of Flow Audit: Delta Cal

Time of Flow Audit: 11:30 06/04/15

	BAM	STD
Ambient Temperature (AT) °c	32.4	33.0
Berometric Pressure mmHg	681	680

G.G.

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
(1) Actual Flow	15	15.0	0	18.09	0.6
Acceptable		*14.700 - 15.300*	*+/- 2%*	*14.250 - 15.750*	
Differential					*+/- 5%*
(2) Actual Flow	18.4	18.4	0	18.53	0.7
Acceptable		*18.032 - 18.768*	*+/- 2%*	*17.480 - 19.320*	
Differential					*+/- 5%*
(3) Actual Flow	16.7	16.7	0	16.81	0.6
Acceptable		*16.336 - 17.034*	*+/- 2%*	*15.865 - 17.535*	
Differential					*+/- 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

Comments/Abnormalities: passed

* PM10 cont. + flow invalidated @ 12:00hrs! G.G.

Signature: Kane Ballard

Upon completion of this form, fax to Air Sciences at 303-279-3796

WEST PLANT

BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 6-12-15 Time: 1314 Operator: Jovan Hicks

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). 6/04 Tap break ✓ GG-
✓		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 page 56 of BAM manual.*

GG-

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 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 page 56 of BAM manual.*

GG-

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 page 56 of BAM manual.*

GG-

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 page 56 of BAM manual.*

GG-

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: _____

**Fax completed form to Air Sciences at 303-279-3796

WEST PLANT

BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 6-19-15 Time: 10136 Operator: Jovan Hicks

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). 6/19 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 page 56 of BAM manual.*

G6 -

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 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 page 56 of BAM manual.*

G6 -

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 page 56 of BAM manual.*

G6 -

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 page 56 of BAM manual.*

G6 -

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: _____

**Fax completed form to Air Sciences at 303-279-3796

WEST PLANT

BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 25 Jun 15 Time: 1:23 Operator: Jovan Hicks

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). 6/19 [illegible] Maint ✓ 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 page 56 of BAM manual.* 66 -

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 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 page 56 of 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 page 56 of 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 page 56 of 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: _____

**Fax completed form to Air Sciences at 303-279-3796

WEST PLANT

BAM PM 2.5 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 04/01/2015 ✓ G.G. Time: 10:47 ✓ G.G. Operator: Karen Ballard

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). 3/28-04/01 BAM Cal ✓ G.G.
✓		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 page 56 of BAM manual.*

YES	NO	
✓		1. Inlet Flow check Performed
✓		2. Visual inspection and dust removal
✓		3. Leak check performed
	✓	4. PM10 and 2.5 cyclone 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 page 56 of BAM manual.*

G.G.

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 page 56 of BAM manual.*

G.G.

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 page 56 of BAM manual.*

G.G.

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: Karen Ballard

**Fax completed form to Air Sciences at 303-279-3796

AIR SCIENCES INC.

Monthly Flow Verification $PM_{2.5}$

West Plant

PARTICULATE MONITORING PROJECT

PROJECT NO. 262-1

Met One BAM 1020 $PM_{2.5}$: S/N: M 8193

Firmware:

Calibrator: Delta Cal S/N:

Date of Flow Audit: 04/01/2015

Time of Flow Audit: 10:47

	BAM	STD
Ambient Temperature (AT) °c	28.9	29.1
Berometric Pressure mmHg	684	682

GG

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
(1) Actual Flow	15	15.0	0	14.87	0.87
Acceptable Differential		***14.700 - 15.300***	***+/- 2%***	***14.250 - 15.750***	***+/- 5%***
(2) Actual Flow	18.4	18.4	0	18.30	0.55
Acceptable Differential		***18.032 - 18.768***	***+/- 2%***	***17.480 - 19.320***	***+/- 5%***
(3) Actual Flow	16.7	16.7	0	16.49	1.27
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

Comments/Abnormalities: Self Test Passed

* PM 2.5 conc. + flow invalidated @ 11:00 hrs! GG

Signature: [illegible]

Upon completion of this form, fax to Air Sciences at 303-279-3796

WEST PLANT

BAM PM 2.5 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 04/10/2015 Time: 9:31 Operator: Kami Ballard

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). 04/08 – 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 page 56 of BAM manual.*

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 and 2.5 cyclone 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 page 56 of 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 page 56 of 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 page 56 of 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: Kami Ballard

**Fax completed form to Air Sciences at 303-279-3796

WEST PLANT

BAM PM 2.5 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 22 Apr 15 ✓ Time: 14:10 ✓ Operator: Jason Hicks

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). 4/15- 4/22 Flow disconnected AT ✓ GG.
✓		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 page 56 of BAM manual.*

GG

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 and 2.5 cyclone 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 page 56 of BAM manual.*

GG.

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 page 56 of BAM manual.*

GG-

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 page 56 of BAM manual.*

GG-

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: checked connections + ran self test

* PM2.5 conc. + flow invalidated @ 15:00 hrs! GG.

0173 Cook

Signature: [signature]

**Fax completed form to Air Sciences at 303-279-3796

WEST PLANT

BAM PM 2.5 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 4/30/2015 Time: 12:27 Operator: Kam Bellard

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). 4/29 4/27 → FLOW AT Disconnect
✓		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)

56

II. **BAM SAMPLER** – Routine Maintenance (monthly). Check yes if maintenance was performed during this visit. *See page 56 of BAM manual.*

YES	NO	
✓		1. Inlet Flow check Performed
✓		2. Visual inspection and dust removal
✓		3. Leak check performed
	✓	4. PM10 and 2.5 cyclone 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 page 56 of 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 page 56 of BAM manual.*

56

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 page 56 of BAM manual.*

56

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: As PM 2.5 cone flow invalidated @ 15:00 hrs!

56

Signature: Kam Bellard

**Fax completed form to Air Sciences at 303-279-3796

AIR SCIENCES INC.

Monthly Flow Verification $PM_{2.5}$

West Plant

PARTICULATE MONITORING PROJECT

PROJECT NO. 262-1

Met One BAM 1020 $PM_{2.5}$: S/N: 8193

Firmware:

Calibrator: Delta Cal S/N:

Date of Flow Audit: 4/30/2015

Time of Flow Audit: 12:21

	BAM	STD
Ambient Temperature (AT) °c	31.4	31.2
Berometric Pressure mmHg	683	681.5

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
(1) Actual Flow	15	15.0	0	15.04	0.27
Acceptable Differential		***14.700 - 15.300***	***+/- 2%***	***14.250 - 15.750***	***+/- 5%***
(2) Actual Flow	18.4	18.4	0	18.53	0.70
Acceptable Differential		***18.032 - 18.768***	***+/- 2%***	***17.480 - 19.320***	***+/- 5%***
(3) Actual Flow	16.7	16.7	0	16.71	0.06
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

Comments/Abnormalities:

Signature: Kam Ballard

Upon completion of this form, fax to Air Sciences at 303-279-3796

WEST PLANT

BAM PM 2.5 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 8 May 15 ✓ Time: 08:36 ✓ Operator: Jovan Hicks

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 page 56 of BAM manual.*

YES NO GG

	✓	1. Inlet Flow check Performed
	✓	2. Visual Inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 and 2.5 cyclone 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 page 56 of BAM manual.*

YES NO GG-

	✓	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 page 56 of BAM manual.*

YES NO GG-

	✓	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 page 56 of BAM manual.*

YES NO GG-

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

**Comments/Unusual Occurrences: 5/06/15 Flow Alt Disconnected ✓ GG-

Signature: [signature]

**Fax completed form to Air Sciences at 303-279-3796

WEST PLANT

BAM PM 2.5 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 15 May 15 Time: 1153 pm Operator: Jovan Hicks

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). 5/11 Flow AT disconnected ✓ 56
✓		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 page 56 of BAM manual.*

56

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 and 2.5 cyclone 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 page 56 of BAM manual.*

56

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 page 56 of BAM manual.*

56

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 page 56 of BAM manual.*

56

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: Last error 5/11 checked pump condition & it looked good. ✓ 56

Signature: [signature]

**Fax completed form to Air Sciences at 303-279-3796

WEST PLANT

BAM PM 2.5 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 5-20-2015 Time: 0749 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 page 56 of BAM manual.*

YES	NO	
	X	1. Inlet Flow check Performed
X		2. Visual inspection and dust removal
	X	3. Leak check performed
	X	4. PM10 and 2.5 cyclone 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 page 56 of 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 page 56 of 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 page 56 of 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: PM2.5 conc + flow invalidated for 08:00 and 09:00 hrs on 05/20/2015 due to site visit and maintenance performed by ASI! EG -

Signature: R Attridge

**Fax completed form to Air Sciences at 303-279-3796

WEST PLANT

BAM PM 2.5 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 5-27-15 Time: 11:06 Operator: K Beck

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). 5/20 last → 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 page 56 of BAM manual.*

YES	NO	
		1. Inlet Flow check Performed
		2. Visual inspection and dust removal
		3. Leak check performed
		4. PM10 and 2.5 cyclone particle trap cleaned
		5. Inlet nozzle and nozzle are cleaned

NA

II. **BAM SAMPLER** – Routine Maintenance (every 2 months). Check yes if maintenance was performed during this visit. *See page 56 of BAM manual.*

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

NA

III. **BAM SAMPLER** – Routine Maintenance (semiannual). Check yes if maintenance was performed during this visit. *See page 56 of 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)

NA

IV. **BAM SAMPLER** – Routine Maintenance (annual). Check yes if maintenance was performed during this visit. *See page 56 of 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: Kurt Beck

**Fax completed form to Air Sciences at 303-279-3796

WEST PLANT

BAM PM 2.5 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 6/4/2015 ✓ Time: 11:20 ✓ Operator: Kane Ballard
Joran Hicks

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). 5/20 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 page 56 of BAM manual.*

✓

YES	NO	
✓		1. Inlet Flow check Performed
✓		2. Visual inspection and dust removal
✓		3. Leak check performed
	✓	4. PM10 and 2.5 cyclone 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 page 56 of 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 page 56 of BAM manual.*

GG

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 page 56 of BAM manual.*

GG

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: Changed Tape ✓

Signature: [signature]

**Fax completed form to Air Sciences at 303-279-3796

AIR SCIENCES INC.

Monthly Flow Verification $PM_{2.5}$

West Plant

PARTICULATE MONITORING PROJECT

PROJECT NO. 262-1

Met One BAM 1020 $PM_{2.5}$: S/N: 8193

Firmware:

Calibrator: Delta Cal S/N:

Date of Flow Audit: 6/04/2015

Time of Flow Audit: 11:30

	BAM	STD
Ambient Temperature (AT) °c	32.6	32.7
Berometric Pressure mmHg	682	680

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
(1) Actual Flow	15	15.0	0	15.12	0.8
Acceptable Differential		*14.700 - 15.300*	*+/- 2%*	*14.250 - 15.750*	*+/- 5%*
(2) Actual Flow	18.4	18.4	0	18.60	1.1 *
Acceptable Differential		*18.032 - 18.768*	*+/- 2%*	*17.480 - 19.320*	*+/- 5%*
(3) Actual Flow	16.7	16.7	0	16.78	0.5
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: passed

* PM2.5 conc. + flow invalidated @ 12:00 hrs! G.G.

Signature:

Upon completion of this form, fax to Air Sciences at 303-279-3796

WEST PLANT

BAM PM 2.5 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 6-12-15 Time: 13:16 Operator: Jovan Hicks

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). 6/04 Tape break ✓ 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 page 56 of BAM manual.*

66-

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 and 2.5 cyclone 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 page 56 of 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 page 56 of BAM manual.*

6.6.

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 page 56 of 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: _____

**Fax completed form to Air Sciences at 303-279-3796

WEST PLANT

BAM PM 2.5 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 6-19-15 Time: 10:37 Operator: Jovan Hill

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). 6/4 tape break
✓		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 page 56 of BAM manual.*

6.6 -

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 and 2.5 cyclone 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 page 56 of BAM manual.*

6.6 -

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 page 56 of BAM manual.*

6.6 -

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 page 56 of BAM manual.*

6.6 -

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: _____

**Fax completed form to Air Sciences at 303-279-3796

WEST PLANT

BAM PM 2.5 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 25 Jun 15 Time: 1122 Operator: [illegible]

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). 6/19 [illegible] tape break ✓ 56.
✓		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 page 56 of BAM manual.* 56.

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 and 2.5 cyclone 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 page 56 of BAM manual.* 56.

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 page 56 of BAM manual.* 56.

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 page 56 of BAM manual.* 56.

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: [signature]

**Fax completed form to Air Sciences at 303-279-3796

Appendix F: East Plant Meteorological Site Check Forms

AIR SCIENCES INC.

EAST PLANT
MET SITE CHECK FORM
Resolution
PROJECT NO. 262-1

Date: 04/01/2015 ✓ Time: 11:31 ✓ Operator: Karen Bellard

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 data logger 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	4.71	4.32	+
Direction* 10m (deg)	SW	200.41	217	+
Ambient Temperature (°C)	25°	21.14	22	+
Relative Humidity (%)	20%	28.99	27.6	+
Aspirated Temp 2m	25°	21.32	21.5	+
Aspirated Temp 10m	24°	19.87	20.2	+
Delta Temperature (°C)	N/A	-1.37	-1.31	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	971.39	955	+
Barometric Pressure (mmHg)	N/A	652.06	652	+
Battery Voltage (V)	N/A	12.75	12.8	+
Time (MST)	N/A	11:33	11:30 L.T.	+
Date	N/A	04/01/2015	04/01/2015	+

*Direction wind is from

Comments/Unusual Occurrences or Weather: _____

When form is completed, please fax to Air Sciences Inc. @ 303-279-3796 (no cover sheet is necessary).

Site Operator Signature: Karen Bellard

AIR SCIENCES INC.

EAST PLANT
MET SITE CHECK FORM
Resolution
PROJECT NO. 262-1

Date: 4/10/2015 Time: 1:32 Operator: Kam BeClard

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 data logger 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)	1 m/s	1.63	2.81	+
Direction* 10m (deg)	W	299.89	285	+
Ambient Temperature (°C)	24°	22.01	22	+
Relative Humidity (%)	15%	10.33%	10.5	+
Aspirated Temp 2m	24°	21.28	20.8	+
Aspirated Temp 10m	23°	19.87	19.7	+
Delta Temperature (°C)	N/A	-1.41	-1.15	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	964.65	984	+
Barometric Pressure (mmHg)	N/A	652.20	652	+
Battery Voltage (V)	N/A	12.75	12.8	+
Time (MST)	N/A	1:34	13:30 LT	+
Date	N/A	4/10/2015	4/10/2015	+

*Direction wind is from

66 -

Comments/Unusual Occurrences or Weather:

When form is completed, please fax to Air Sciences Inc. @ 303-279-3796 (no cover sheet is necessary).

Site Operator Signature: Kam BeClard

AIR SCIENCES INC.

EAST PLANT
MET SITE CHECK FORM
Resolution
PROJECT NO. 262-1

Date: 04 23 2015 ✓ Time: 10:09 ✓ Operator: Kame Bellard

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 data logger 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)	2ms	2.26	2.64	+
Direction* 10m (deg)	SW	278.34	272	+
Ambient Temperature (°C)	20°	18.34	18.8	+
Relative Humidity (%)	20%	26.27	24.9	+
Aspirated Temp 2m	20°	16.86	17.2	+ GG.
Aspirated Temp 10m	19°	16.17	16.5	+ 828 - 9:45
Delta Temperature (°C)	N/A	-0.68	-0.706	+ 868 - 10:00
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	762 400	910	* 943 - 10:30
Barometric Pressure (mmHg)	N/A	650.42	650	+ 972 - 10:45
Battery Voltage (V)	N/A	12.79	12.8	+
Time (MST)	N/A	10:12	10:15 L.T.	+
Date	N/A	04.23.2015	04/23/2015	+

*Direction wind is from

Comments/Unusual Occurrences or Weather: Refilled evap. pan ✓ GG.

When form is completed, please fax to Air Sciences Inc. @ 303-279-3796 (no cover sheet is necessary).

Site Operator Signature: Kame Bellard

AIR SCIENCES INC.

EAST PLANT
MET SITE CHECK FORM
Resolution
PROJECT NO. 262-1

Date: 4/30/2015 Time: 1:20 Operator: Kam Ballard

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 data logger 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)	1 m/s	1.23	2.24	+
Direction* 10m (deg)	ESE	108.40	79.9	*
Ambient Temperature (°C)	29°	28.62	28	+
Relative Humidity (%)	10%	10.23	11.6	+
Aspirated Temp 2m	29°	27.49	27.8	+
Aspirated Temp 10m	28°	26.29	26	+
Delta Temperature (°C)	N/A	-1.20	-1.88	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	972.95	1,007	+
Barometric Pressure (mmHg)	N/A	652.11	652	+
Battery Voltage (V)	N/A	12.64	12.7	+
Time (MST)	N/A	1:22	13:15 L.T.	+
Date	N/A	4/30/2015	4/30/2015	

66
5-81 - 12:45
58 8 - 13:00
149 - 13:30
152 - 15:45

*Direction wind is from

Comments/Unusual Occurrences or Weather: _____

When form is completed, please fax to Air Sciences Inc. @ 303-279-3796 (no cover sheet is necessary).

Site Operator Signature: Kam Ballard

AIR SCIENCES INC.

EAST PLANT
MET SITE CHECK FORM
Resolution
PROJECT NO. 262-1

Date: 5/11/2015 Time: 12:54 Operator: Kane Ballard

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 data logger 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	3.8	+
Direction* 10m (deg)	WSW	142.57	157	+
Ambient Temperature (°C)	26°	25.72	26.1	+
Relative Humidity (%)	10%	9.78	9.06	+
Aspirated Temp 2m	26°	25.87	26	+
Aspirated Temp 10m	25°	24.32	24.2	+
Delta Temperature (°C)	N/A	-1.55	-1.74	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	1149.48	1129	+
Barometric Pressure (mmHg)	N/A	651.97	652	+
Battery Voltage (V)	N/A	12.69	12.7	+
Time (MST)	N/A	12:57	13:00 L.T.	+
Date	N/A	5/11/2015	5/11/2015	+

*Direction wind is from

Comments/Unusual Occurrences or Weather: _____

When form is completed, please fax to Air Sciences Inc. @ 303-279-3796 (no cover sheet is necessary).

Site Operator Signature: Kane Ballard

AIR SCIENCES INC.

EAST PLANT
MET SITE CHECK FORM
Resolution
PROJECT NO. 262-1

Date: 5-15-2015 ✓ Time: 10:18 ✓ Operator: Karen BaCard

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 data logger 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	6.45	2.87	✱ 3.78 - 10:30, 4.25 - 10:45
Direction* 10m (deg)	SW	166.91	199	✱
Ambient Temperature (°C)	16°	14.16	13.7	+ 271 - 9:45, + 280 - 10:00
Relative Humidity (%)	20%	45.11	49.7	+ 191 - 10:30
Aspirated Temp 2m	16°	14.07	13.2	+ 210 - 10:45
Aspirated Temp 10m	15°	12.32	12	+
Delta Temperature (°C)	N/A	-1.75	-1.16	+ 287 - 9:45
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	596.72	701	✱ 474 - 10:00, + 794 - 10:30
Barometric Pressure (mmHg)	N/A	649.94	650	+ 694 - 10:45
Battery Voltage (V)	N/A	12.90	12.9	+
Time (MST)	N/A	10:20	10:15 L.T.	+
Date	N/A	5-15-2015	5-15-2015	+

GG -
192 - 9:45
146 - 10:00

*Direction wind is from

Comments/Unusual Occurrences or Weather: _____

When form is completed, please fax to Air Sciences Inc. @ 303-279-3796 (no cover sheet is necessary).

Site Operator Signature: Karen BaCard

AIR SCIENCES INC.

EAST PLANT
MET SITE CHECK FORM
Resolution
PROJECT NO. 262-1

Date: 5-20-2015 ✓ Time: 0840 ✓ Operator: R. ATTRIDGE

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

Parameter	Estimated	Logger	Audit	
Speed 10m (m/s)	5	4.2	4.04	+
Direction* 10m (deg)	N, NE	47.4	43.8	+
Ambient Temperature (°C)	20	20.7	20.5	+
Relative Humidity (%)	20	25.1	25.4	+
Aspirated Temp 2m	20	20.3	20.1	+
Aspirated Temp 10m	20	18.7	18.7	+
Delta Temperature (°C)	N/A	-1.4	-1.39	+
Solar Radiation (w/m^2)	Sunny Partly cloudy Cloudy	749.8	720	+
Barometric Pressure (mmHg)	N/A	652.6	653	+
Battery Voltage (V)	N/A	12.7	12.8	+
Time (MST)	N/A	0842	08:45 L.T.	+
Date	N/A	2015-5-20	2015-5-20	+

*Direction wind is from

Comments/Unusual Occurrences or Weather: TRIGGERED RAIN GAUGE - *
* 0.004" of precip. immediately @ 08:45 hrs! GG

When form is completed, please fax to Air Sciences Inc. @ 303-279-3796 (no cover sheet is necessary).

Site Operator Signature: [signature]

AIR SCIENCES INC.

EAST PLANT
MET SITE CHECK FORM
Resolution
PROJECT NO. 262-1

Date: 5-27-15 ✓ Time: 10:27 ✓ Operator: K. Beak

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 data logger 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)	2	2.6 m/s	1.4	+
Direction* 10m (deg)	W	283°	282	+
Ambient Temperature (°C)	85°F	24.09°C	24.4	+
Relative Humidity (%)	20%	21.8%	22.3	+
Aspirated Temp 2m	85°F	22.45°C	22.7	+
Aspirated Temp 10m	82°F	21.86°C	22.1	+
Delta Temperature (°C)	N/A	~~27~~ -.37	-0.595	+
Solar Radiation (w/m²)	Sunny Partly cloudy (Cloudy)	755-6	557	+
Barometric Pressure (mmHg)	N/A	653.4	654	+
Battery Voltage (V)	N/A	12.73	12.7	+
Time (MST)	N/A	10:30	10:30 LT	+
Date	N/A	5-27-15	5-27-15	+

GG

452 - 10:00
465 - 10:15
855 - 10:45
807 - 11:00

*Direction wind is from

Comments/Unusual Occurrences or Weather: filled evap pan ✓

When form is completed, please fax to Air Sciences Inc. @ 303-279-3796 (no cover sheet is necessary)

Site Operator Signature: K. Beak

ee

AIR SCIENCES INC.

EAST PLANT
MET SITE CHECK FORM
Resolution
PROJECT NO. 262-1

Date: 06/04/2015 ✓ Time: 10:19 ✓ Operator: Kami BeCard

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 data logger 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)	2ms	209.97	3.22	+
Direction* 10m (deg)	SW	1.63	167	*
Ambient Temperature (°C)	30°	28.7	28.2	+
Relative Humidity (%)	10%	7.15	7.66	+
Aspirated Temp 2m	30°	27.76	27.8	+
Aspirated Temp 10m	29°	26.45	26.4	+
Delta Temperature (°C)	N/A	-1.31	-1.38	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	793.89	834	+
Barometric Pressure (mmHg)	N/A	650.407	651	+
Battery Voltage (V)	N/A	12.66	12.7	+
Time (MST)	N/A		10:15 _ LT.	+
Date	N/A		6/4/2015	+

~~66~~ -
123 - 9:45
145 - 10:00
192 - 10:30
177 - 10:45

*Direction wind is from

Comments/Unusual Occurrences or Weather: _____

When form is completed, please fax to Air Sciences Inc. @ 303-279-3796 (no cover sheet is necessary).

Site Operator Signature: Kami BeCard

AIR SCIENCES INC.

EAST PLANT
MET SITE CHECK FORM
Resolution
PROJECT NO. 262-1

Date: 06.12.2015 ✓ Time: 2:18 ✓ Operator: K. Balland

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 data logger 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	3.07	3.62	+
Direction* 10m (deg)	W	224.17	252	+
Ambient Temperature (°C)	90°	31.95	31.5	+
Relative Humidity (%)	15%	13.47	13.9	+
Aspirated Temp 2m	30°	31.27	31.1	+
Aspirated Temp 10m	29°	29.52	29.4	+
Delta Temperature (°C)	N/A	-1.74	-1.7	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	924.66	942	+
Barometric Pressure (mmHg)	N/A	649.51	650	+
Battery Voltage (V)	N/A	12.63	12.6	+
Time (MST)	N/A	2:20	14:15 L.J.	+
Date	N/A	06.12.2015	6/12/15	+

*Direction wind is from

Comments/Unusual Occurrences or Weather: filled evap pan ✓ @6-

When form is completed, please fax to Air Sciences Inc. @ 303-279-3796 (no cover sheet is necessary).

Site Operator Signature: Karen Ballard

AIR SCIENCES INC.

EAST PLANT
MET SITE CHECK FORM
Resolution
PROJECT NO. 262-1

Date: 6/19/2015 ✓ Time: 1:01 ✓ Operator: K. Ballard

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 data logger 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	2.54	5.23	+
Direction* 10m (deg)	SW	200.80	282	+
Ambient Temperature (°C)	38°	36.44	36	+
Relative Humidity (%)	10%	8.14	8.41	+
Aspirated Temp 2m	38°	35.93	35.3	+
Aspirated Temp 10m	37°	34.16	34	+
Delta Temperature (°C)	N/A	-1.77	-1.32	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	1033.82	1041	+
Barometric Pressure (mmHg)	N/A	652.92	653	+
Battery Voltage (V)	N/A	12.58	12.6	+
Time (MST)	N/A	1:04	13:00 L.T.	+
Date	N/A	6/19/2015	6/19/15	+

66 –
226 – 12:30
233 – 12:45
234 – 13:15
248 – 13:30

*Direction wind is from

Comments/Unusual Occurrences or Weather: _____

When form is completed, please fax to Air Sciences Inc. @ 303-279-3796 (no cover sheet is necessary).

Site Operator Signature: Kami Ballard

AIR SCIENCES INC.

EAST PLANT
MET SITE CHECK FORM
Resolution
PROJECT NO. 262-1

Date: 6/26/2015 ✓ Time: 3:28 ✓ Operator: Karen Bellard

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 data logger 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)	3ms	3.30	5.3	+
Direction* 10m (deg)	W.	249.40	249	+
Ambient Temperature (°C)	31°	33.83	33.8	+
Relative Humidity (%)	20%	22.65	22.6	+
Aspirated Temp 2m	31°	33.18	33.2	+
Aspirated Temp 10m	30°	31.92	31.9	+
Delta Temperature (°C)	N/A	-1.27	-1.27	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	764.70	765	+
Barometric Pressure (mmHg)	N/A	653.30	653	+
Battery Voltage (V)	N/A	12.60	12.6	+
Time (MST)	N/A	3:30	15:30 L.T.	+
Date	N/A	4/26/2015	06/26/2015	+

*Direction wind is from

Comments/Unusual Occurrences or Weather:

When form is completed, please fax to Air Sciences Inc. @ 303-279-3796 (no cover sheet is necessary).

Site Operator Signature: Karen Bellard

Appendix G: East Plant PM_{10} and $PM2_{.5}$ Site Check Forms and Flow Audits

EAST PLANT

BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 04/01/2015 ✓ Time: 11 32 ✓ Operator: Kam Bellard

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). 3/22 Power Fail ✓ GG -
✓		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 page 56 of BAM manual.*

YES	NO	
✓		1. Inlet Flow check Performed
✓		2. Visual inspection and dust removal
✓		3. Leak check performed
	✓	4. PM10 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 page 56 of BAM manual.*

YES NO GG -

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 page 56 of BAM manual.*

YES NO GG

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 page 56 of BAM manual.*

YES NO GG -

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: Kam Bellard

**Fax completed form to Air Sciences at 303-279-3796

AIR SCIENCES INC.

Monthly Flow Verification $PM_{2.5}$

East Plant

PARTICULATE MONITORING PROJECT

PROJECT NO. 262-1

Met One $PM_{2.5}$: S/N: 6466

Firmware:

Calibrator: Delta Cal S/N:

Date of Flow Audit: 04/01/2015

Time of Flow Audit: 11:21

	BAM	STD
Ambient Temperature (AT) °c	22.1	22.8
Berometric Pressure mmHg	653	652

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
(1) Actual Flow	15	15.0	0	14.97	0.20
Acceptable Differential		***14.700 - 15.300***	***+/- 2%***	***14.250 - 15.750***	***+/- 5%***
(2) Actual Flow	18.4	18.3	0.54	18.23	0.38
Acceptable Differential		***18.032 - 18.768***	***+/- 2%***	***17.480 - 19.320***	***+/- 5%***
(3) Actual Flow	16.7	16.7	0	16.57	0.78
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

* PM2.5 conc. + flow invalidated @ 12:00 hrs!

Signature: Ryan Bell

Upon completion of this form, fax to Air Sciences at 303-279-3796

EAST PLANT

BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 4/10/2015 ✓ Time: 1:35 ✓ Operator: Kane Bollard

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). 04/06/2015 – Maintenance ✓ GG.
✓		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 page 56 of BAM manual.*

GG.

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 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 page 56 of BAM manual.*

GG

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 page 56 of BAM manual.*

GG

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 page 56 of BAM manual.*

GG

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: Kane Bollard

**Fax completed form to Air Sciences at 303-279-3796

EAST PLANT

BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 04 23 2015 Time: 10 / 3 Operator: Ryan Bell

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). 04/04 Maintenance ✓ 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 page 56 of BAM manual.*

66 -

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 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 page 56 of 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 page 56 of 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 page 56 of 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: Ryan Bell

**Fax completed form to Air Sciences at 303-279-3796

EAST PLANT

BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 4/30/2015 ✓ Time: 1:24 ✓ Operator: Kane Ballard

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). 4/06 → Maintenance ✓ GG
✓		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 page 56 of BAM manual.*

YES	NO	
✓		1. Inlet Flow check Performed
✓		2. Visual inspection and dust removal
✓		3. Leak check performed
	✓	4. PM10 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 page 56 of 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 page 56 of BAM manual.*

GG

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 page 56 of BAM manual.*

GG

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

**Comments/Unusual Occurrences: * PM10 cone. + flow invalidated @ 14 00hrs! GG

Signature: Kane Ballard

**Fax completed form to Air Sciences at 303-279-3796

AIR SCIENCES INC.

Monthly Flow Verification PM_{10}

East Plant

PARTICULATE MONITORING PROJECT

PROJECT NO. 262-1

Met One PM_{10}: S/N: 8714

Firmware:

Calibrator: Delta Cal S/N:

Date of Flow Audit: 4/30/2015

Time of Flow Audit: 1:28

	BAM	STD
Ambient Temperature (AT) °c	27.1	27.3
Berometric Pressure mmHg	653	652

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
			66		66
(1) Actual Flow	15	15.0	0	14.98	0.13
Acceptable Differential		***14.700 - 15.300***	***+/- 2%***	***14.250 - 15.750***	***+/- 5%***
(2) Actual Flow	18.4	18.4	0	18.32	0.44
Acceptable Differential		*18.032 - 18.768*	*+/- 2%*	*17.480 - 19.320*	*+/- 5%*
(3) Actual Flow	16.7	16.7	0	16.41	1.77
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**

Comments/Abnormalities:

Signature: Ken Bollard

Upon completion of this form, fax to Air Sciences at 303-279-3796

EAST PLANT

BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 5/11/2015 Time: 12:59 Operator: K. Bellard

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). 4/30 → Maint. ✓ GG
✓		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 page 56 of BAM manual.*

GG

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 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 page 56 of BAM manual.*

GG

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 page 56 of BAM manual.*

GG

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 page 56 of BAM manual.*

GG

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: K. Bellard

**Fax completed form to Air Sciences at 303-279-3796

EAST PLANT

BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 5/15/2015 Time: 10:21 Operator: Karen Ballard

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). 4/30 – Maintenance ✓ SG
✓		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 page 56 of BAM manual.*

SG

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 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 page 56 of 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 page 56 of BAM manual.*

SG

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 page 56 of BAM manual.*

SG

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: * PM10 Cond. + flow installed @ 11:00 hrs! SG

Signature: Karen Ballard

**Fax completed form to Air Sciences at 303-279-3796

EAST PLANT

BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 5-20-2015 Time: 0900 Operator: R. ATTREDGE

I. **BAM SAMPLER** – Weekly Checks.

YES	NO	
X		1. The sampler is intact and the inlet head is unobstructed.
X	X RPM	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 page 56 of BAM manual.*

YES	NO	
	X	1. Inlet Flow check Performed
X		2. Visual inspection and dust removal
	X	3. Leak check performed
	X	4. PM10 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 page 56 of 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 page 56 of 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 page 56 of 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: _____

**Fax completed form to Air Sciences at 303-279-3796

EAST PLANT

BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 282-1

AIR SCIENCES INC.

Date: 5-27-15 Time: 10:33 Operator: K Beak

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). last 5-15
✓		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 page 55 of BAM manual.*

66 -

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 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 page 56 of 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 page 56 of 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 page 56 of 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: _____

**Fax completed form to Air Sciences at 303-279-3796

EAST PLANT

BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 6/04/2015 ✓ Time: 10:20 ✓ Operator: Kane Backlund

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). 5/15 → 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 page 56 of BAM manual.* ✓

YES	NO	
✓		1. Inlet Flow check Performed
✓		2. Visual inspection and dust removal
✓		3. Leak check performed
	✓	4. PM10 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 page 56 of 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 page 56 of BAM manual.*

G.G.

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 page 56 of BAM manual.*

G.G.

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: Kane Backlund

**Fax completed form to Air Sciences at 303-279-3796

AIR SCIENCES INC.

Monthly Flow Verification PM_{10}

East Plant

PARTICULATE MONITORING PROJECT

PROJECT NO. 262-1

Met One PM_{10}: S/N: 8714

Firmware:

Calibrator: Delta Cal S/N:

Date of Flow Audit: 06/04/2015

Time of Flow Audit: 10:30

	BAM	STD	Calibrated
Ambient Temperature (AT) °c	30.3	28.2	28.2
Berometric Pressure mmHg	1068	651	651

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
(1) Actual Flow	15	15.1	0.7	15.38	1.8
Acceptable Differential		*14.700 - 15.300*	*+/- 2%*	*14.250 - 15.750*	*+/- 5%*
(2) Actual Flow	18.4	18.4	0	18.79	2.1
Acceptable Differential		*18.032 - 18.768*	*+/- 2%*	*17.480 - 19.320*	*+/- 5%*
(3) Actual Flow	16.7	16.7	0	17.10	2.3
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	0.4

Should be < 1.0 LPM

Comments/Abnormalities: Self Test passed

* PM10 Conc. + flow invalidated @ 11:00 hrs!

Signature: Karin Ballard

Upon completion of this form, fax to Air Sciences at 303-279-3796

EAST PLANT

BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 6/12/2015 Time: 14:29 Operator: K. Ballard

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). 6/11 → Power Fail ✓ GG.
✓		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 page 56 of BAM manual.*

GG

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 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 page 56 of BAM manual.*

GG

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 page 56 of BAM manual.*

GG

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 page 56 of BAM manual.*

GG

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: Ken BC

**Fax completed form to Air Sciences at 303-279-3796

EAST PLANT

BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 6/19/2015 Time: 1:05 Operator: K Bellard

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). 6/11 → Power Fail ✓ 6.6
✓		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 page 56 of BAM manual.*

6.6

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 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 page 56 of BAM manual.*

6.6

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 page 56 of BAM manual.*

6.6

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 page 56 of BAM manual.*

6.6

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: Karen Bellard

**Fax completed form to Air Sciences at 303-279-3796

EAST PLANT

BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 6/26/2015 Time: 3:30 Operator: K Ballard

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 page 56 of BAM manual.*

66 -

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 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 page 56 of 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 page 56 of 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 page 56 of 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: Kam BaCl

**Fax completed form to Air Sciences at 303-279-3796

EAST PLANT

BAM PM 2.5 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 04/01/2015 ✓ Time: 11:35 ✓ Operator: Karen Bellard

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 page 56 of BAM manual.*

YES	NO	
✓		1. Inlet Flow check Performed
✓		2. Visual inspection and dust removal
✓		3. Leak check performed
~~✓~~	✓	4. PM10 and 2.5 cyclone 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 page 56 of 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 page 56 of 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 page 56 of 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: Karen Bellard

**Fax completed form to Air Sciences at 303-279-3796

AIR SCIENCES INC.

Monthly Flow Verification PM_{10}

East Plant

PARTICULATE MONITORING PROJECT

PROJECT NO. 262-1

Met One PM_{10}: S/N: 8714

Firmware:

Calibrator: Delta Cal S/N:

Date of Flow Audit: 04/01/2015

Time of Flow Audit:

	BAM	STD
Ambient Temperature (AT) °c	23.7	25.7
Berometric Pressure mmHg	652	652

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
(1) Actual Flow	15	150	0	14.92	0.54
Acceptable Differential		***14.700 - 15.300***	***+/- 2%***	***14.250 - 15.750***	***+/- 5%***
(2) Actual Flow	18.4	184	0	18.43	0.16
Acceptable Differential		***18.032 - 18.768***	***+/- 2%***	***17.480 - 19.320***	***+/- 5%***
(3) Actual Flow	16.7	16.7	0	16.61	0.54
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**

Comments/Abnormalities: Self Test Passed

* PM 10 conc. + flow invalidated @ 12:00 hrs

Signature: Karen McClard

Upon completion of this form, fax to Air Sciences at 303-279-3796

EAST PLANT

BAM PM 2.5 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 4/10/2015 Time: 1 37 Operator: Karen BaClard

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). 04/06 ⇒ 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 page 56 of BAM manual.*

56

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 and 2.5 cyclone 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 page 56 of BAM manual.*

56

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 page 56 of BAM manual.*

56

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 page 56 of BAM manual.*

56

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: Karen BaClard

**Fax completed form to Air Sciences at 303-279-3796

EAST PLANT

BAM PM 2.5 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 4/23/2015 Time: 10:14 Operator: Kane Bollard

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). 04/06 → Mantenc ✓ GG
✓		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 page 56 of BAM manual.*

GG-

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 and 2.5 cyclone 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 page 56 of BAM manual.*

GG-

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 page 56 of BAM manual.*

GG-

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 page 56 of BAM manual.*

GG-

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: Kane B

**Fax completed form to Air Sciences at 303-279-3796

EAST PLANT

BAM PM 2.5 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 4/30/2015 ✓ Time: 1 24 ✓ Operator: Karen Ballard

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). 04/04 → Maintenance ✓ 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 page 56 of BAM manual.*

YES	NO	
✓		1. Inlet Flow check Performed
✓		2. Visual inspection and dust removal
✓		3. Leak check performed
✓	✓	4. PM10 and 2.5 cyclone 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 page 56 of 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 page 56 of 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 page 56 of 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: * PM 2.5 conc + flow invalidated @ 14:00 hrs! 66

Signature: Karen Ballard

**Fax completed form to Air Sciences at 303-279-3796

AIR SCIENCES INC.

Monthly Flow Verification $PM_{2.5}$

East Plant

PARTICULATE MONITORING PROJECT

PROJECT NO. 262-1

Met One $PM_{2.5}$: S/N: 6464

Firmware:

Calibrator: Delta Cal S/N:

Date of Flow Audit: 4/30/2015

Time of Flow Audit: 1:34

	BAM	STD
Ambient Temperature (AT) °c	28.6	29.1
Berometric Pressure mmHg	652	652

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
(1) Actual Flow	15	15.0	0	14.97	0.20
Acceptable Differential		*14.700 - 15.300*	*+/- 2%*	*14.250 - 15.750*	*+/- 5%*
(2) Actual Flow	18.4	18.4	0	18.47	-0.38
Acceptable Differential		*18.032 - 18.768*	*+/- 2%*	*17.480 - 19.320*	*+/- 5%*
(3) Actual Flow	16.7	16.7	0	16.53	1.03
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	0.2

Should be < 1.0 LPM

Comments/Abnormalities:

Signature: Kane Ballard

Upon completion of this form, fax to Air Sciences at 303-279-3796

EAST PLANT

BAM PM 2.5 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 5/11/2015 Time: 1:00 Operator: Kane Ballard

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). H30 → Maintenance 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 page 56 of BAM manual.*

66

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 and 2.5 cyclone 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 page 56 of 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 page 56 of 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 page 56 of 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: Ka BC

**Fax completed form to Air Sciences at 303-279-3796

EAST PLANT

BAM PM 2.5 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 5.15.2015 Time: 10:28 Operator: Kane BaClard

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 page 56 of BAM manual.*

GG

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 and 2.5 cyclone 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 page 56 of 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 page 56 of BAM manual.*

GG

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 page 56 of BAM manual.*

GG

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: PM 2.5 conc. & flow will be invalidated starting 11:00 hrs on 05/15/2015. Site operator left the monitor in the wrong operational screen, therefore data is missing after the site visit!

GG

Signature: Kane BaClard

**Fax completed form to Air Sciences at 303-279-3796

EAST PLANT

BAM PM 2.5 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 5-20-2015 Time: 0903 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 page 56 of BAM manual.*

YES	NO	
	X	1. Inlet Flow check Performed
X		2. Visual inspection and dust removal
	X	3. Leak check performed
	X	4. PM10 and 2.5 cyclone 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 page 56 of 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 page 56 of 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 page 56 of 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: * AS FOUND, MONITOR WAS IN "TAPE TEST" SCREEN, ☆ 56

☆ PM2.5 data is missing and/or invalidated from 11:00 hrs on 5/15/2015 through 09:00 hrs on 5/20/2015 due to operator error! 56

Signature: [signature]

**Fax completed form to Air Sciences at 303-279-3796

EAST PLANT

BAM PM 2.5 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 5-27-15 Time: 10:33 Operator: K. Beale

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). last 5-15
✓		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 page 56 of BAM manual.* 6.6 - NA

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 and 2.5 cyclone 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 page 56 of BAM manual.* 6.6. NA

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 page 56 of BAM manual.* 6.6 - NA

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 page 56 of BAM manual.* 6.6 - NA

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: _____

**Fax completed form to Air Sciences at 303-279-3795

EAST PLANT

BAM PM 2.5 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.
DENVER • PORTLAND

Date: 6/04/2015 Time: 10:28 Operator: Karen Bell-d

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). 5/15/ Tape break ✓
✓		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 page 56 of BAM manual.*

✓

YES	NO	
✓	✓	1. Inlet Flow check Performed
✓	✓	2. Visual inspection and dust removal
✓		3. Leak check performed
	✓	4. PM10 and 2.5 cyclone 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 page 56 of 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 page 56 of BAM manual.*

6.6 -

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 page 56 of BAM manual.*

6.6 -

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: Karen Bell-d

**Fax completed form to Air Sciences at 303-279-3796

AIR SCIENCES INC

Monthly Flow Verification $PM_{2.5}$

East Plant

PARTICULATE MONITORING PROJECT

PROJECT NO. 262-1

Met One $PM_{2.5}$: S/N: 6464

Firmware:

Calibrator: Delta Cal S/N:

Date of Flow Audit: 6/04/2015

Time of Flow Audit: 10:37

	BAM	STD
Ambient Temperature (AT) °c	31.3	28.8
Berometric Pressure mmHg	649	651.0

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
			GG.		GG.
(1) Actual Flow	15	15.0	0	15.09	0.6
Acceptable Differential		*14.700 - 15.300*	*+/- 2%*	*14.250 - 15.750*	*+/- 5%*
(2) Actual Flow	18.4	18.3	0.5	18.35	0.3
Acceptable Differential		*18.032 - 18.768*	*+/- 2%*	*17.480 - 19.320*	*+/- 5%*
(3) Actual Flow	16.7	16.6	0.6	16.74	0.8
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

* PM2.5 conc. + flow invalidated @ 11:00 hrs! GG.

Signature: Kim Pollard

Upon completion of this form, fax to Air Sciences at 303-279-3796

EAST PLANT

BAM PM 2.5 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 4/12/2015 Time: 2:31 Operator: Karl Bullard

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 page 56 of BAM manual.*

6.6

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 and 2.5 cyclone 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 page 56 of BAM manual.*

6.6

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 page 56 of BAM manual.*

6.6

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 page 56 of BAM manual.*

6.6

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: _____

**Fax completed form to Air Sciences at 303-279-3796

EAST PLANT

BAM PM 2.5 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 6/19/2015 Time: 1:06 Operator: K. Ballard

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). 6/11 -> Power Fail ✓ 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 page 56 of BAM manual.*

66.

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 and 2.5 cyclone 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 page 56 of 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 page 56 of 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 page 56 of 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: Kai Ballard

**Fax completed form to Air Sciences at 303-279-3796

EAST PLANT

BAM PM 2.5 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.
DENVER • PORTLAND

Date: 6/26/2015 Time: 3:31 Operator: Karen BaClard

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 page 56 of BAM manual.*

6.6-

YES	NO	
	✓	1. Inlet Flow check Performed
	✓	2. Visual inspection and dust removal
	✓	3. Leak check performed
	✓	4. PM10 and 2.5 cyclone 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 page 56 of BAM manual.*

6.6-

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 page 56 of BAM manual.*

6.6-

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 page 56 of BAM manual.*

6.6-

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: Karen BaClard

**Fax completed form to Air Sciences at 303-279-3796

Appendix H: East Plant SO_2, NO_x, and O_3 Site Check and Audit Forms

Resolution Copper Mining
East Plant Monitoring Station
SO_2 Level 1 Zero and Span Calibration

AIR SCIENCES INC.

Operator: Kanu Bilard	Teledyne API T100 SO_2 Analyzer S/N	193	Calibration Start Time	10 38
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	10 56
Date: 04/23/2015			T100 Analyzer Range	500 PPB
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	24 20

Biweekly Manual Level 1 Zero and Span Calibration

Target Dilution (ppb)	Actual Target Dilution Generated	SO_2 Response	Analyzer Stability	Acceptance Criteria	Final Response
Zero Air	0	0 145	0.522	Zero Drift ≤ ± 1.5 %	0.013
400 ppb	400	429 56	0.776	Span Drift ≤ ± 10 %	401 677

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.145	0 580	± 2 ppb	No
400 ppb	429 56	430 14	± 2 ppb	No

Analyzer Parameters

Sample Flow (650 ± 65 cc/min)	623	Sample Press. (Ambient ± 2 in-Hg)	25.8
UV Lamp (1000 - 4800 mV)	2143 1	Lamp Ratio (30 - 120%)	90 6
Slope (1 ± 0.3)	1.073	BOX Temp. (Ambient ± 5°C)	32 4
Offset (< 250 mV)	26.2	HVPS (400 - 900 V)	614

Operator Comments: 1100 Hrs. FINALIZATED — RPA

Operator Signature:

East Plant

SO₂ Level 1 Zero and Span Calibration
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. ATTRENGE	Teledyne API T100 SO_2 Analyzer S/N	193	Calibration Start Time	0830
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	0849
Date: 5-6-2015			T100 Analyzer Range	500 ppb
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	24.8

Biweekly Manual Level 1 Zero and Span Calibration

Target Dilution (ppb)	Actual Target Dilution Generated	SO_2 Response	Analyzer Stability	Acceptance Criteria	Final Response
Zero Air	ZERO	0.08	0.3	Zero Drift ≤ ± 1.5 %	0.004
400 ppb	400	400.6	0.5	Span Drift ≤ ± 10 %	399.9

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.012	0.2	± 2 ppb	NO
400 ppb	399.9	400.4	± 2 ppb	NO

Analyzer Parameters

Sample Flow (650 ± 65 cc/min)	617	Sample Press. (Ambient ± 2 in-Hg)	25.6
UV Lamp (1000 - 4800 mV)	2157.2	Lamp Ratio (30 - 120%)	91.3
Slope (1 ± 0.3)	1.071	BOX Temp. (Ambient ± 5°C)	52.6
Offset (< 250 mV)	25.8	HVPS (400 - 900 V)	614

Operator Comments:

DATA AFFECTED BY SPANS SHALL BE INVALIDATED — RPA

Operator Signature:

East Plant

SO$_2$ Level 1 Zero and Span Calibration
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. ATTREDGE	Teledyne API T100 SO_2 Analyzer S/N	193	Calibration Start Time	0920
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	0943
Date: 5-20-2015			T100 Analyzer Range	0-500 PPB
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	24.3

Biweekly Manual Level 1 Zero and Span Calibration

Target Dilution (ppb)	Actual Target Dilution Generated	SO_2 Response	Analyzer Stability	Acceptance Criteria	Final Response
Zero Air	ZERO	-0.3	0.4	Zero Drift ≤ ± 1.5 %	0.1
400 ppb	400	392.2	0.6	Span Drift ≤ ± 10 %	402.6

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.1	0.5	± 2 ppb	NO
400 ppb	402.6	403.7	± 2 ppb	NO

Analyzer Parameters

Sample Flow (650 ± 65 cc/min)	620	Sample Press. (Ambient ± 2 in-Hg)	25.7
UV Lamp (1000 - 4800 mV)	2171.7	Lamp Ratio (30 - 120%)	91.9
Slope (1 ± 0.3)	1.091	BOX Temp. (Ambient ± 5°C)	32.6
Offset (< 250 mV)	25.2	HVPS (400 - 900 V)	614

Operator Comments:

INVALIDATED THE 1000 HRS CONCENTRATION
AS A RESULT OF LEVEL 1 ACTIVITIES — RPA

Operator Signature:

East Plant

SO$_2$ Level 1 Zero and Span Calibration
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. ATTRIDGE	Teledyne API T100 SO_2 Analyzer S/N	193	Calibration Start Time	1020
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	1058
Date: 6-2-2015			T100 Analyzer Range	0-500
	NIST Traceable Gas Conc.	407	Shelter Temperature (5-40 ° C)	20.6

Biweekly Manual Level 1 Zero and Span Calibration

Target Dilution (ppb)	Actual Target Dilution Generated	SO_2 Response	Analyzer Stability	Acceptance Criteria	Final Response
Zero Air	ZERO	0.3	0.5	Zero Drift ≤ ±1.5 %	0.3
400 ppb	400	409.8	0.5	Span Drift ≤ ±10 %	400.4

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.3	0.2	± 2 ppb	NO
400 ppb	400.4	401.2	± 2 ppb	NO

Analyzer Parameters

Sample Flow (650 ± 65 cc/min)	623	Sample Press. (Ambient ± 2 in-Hg)	25.8
UV Lamp (1000 - 4800 mV)	2205.9	Lamp Ratio (30 - 120%)	93.3
Slope (1 ± 0.3)	1.066	BOX Temp. (Ambient ± 5°C)	31.4
Offset (< 250 mV)	25.8	HVPS (400 - 900 V)	614

Operator Comments:

Operator Signature:

HMH AC2

Resolution Copper Mining
East Plant Monitoring Station
SO_2 Level 1 Zero and Span Calibration

AIR SCIENCES INC.

DENVER • PORTLAND

Operator: Kami Ballard	Teledyne API T100 SO_2 Analyzer S/N	193	Calibration Start Time	1:30
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	1:48
Date: 6/18/2015			T100 Analyzer Range	500PPB
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	22.04

Biweekly Manual Level 1 Zero and Span Calibration

Target Dilution (ppb)	Actual Target Dilution Generated	SO_2 Response	Analyzer Stability	Acceptance Criteria	Final Response
Zero Air	0	0.316	0.179	Zero Drift ≤ ±1.5 %	-0.040
400 ppb	400	397.308	0.327	Span Drift ≤ ±10 %	400.419

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.316	0.497	± 2 ppb	NO
400 ppb	397.308	398.01	± 2 ppb	NO

Analyzer Parameters

Sample Flow (650 ± 65 cc/min)	626	Sample Press. (Ambient ± 2 in-Hg)	25.8
UV Lamp (1000 - 4800 mV)	2263.8	Lamp Ratio (30 - 120%)	95.9
Slope (1 ± 0.3)	1.067	BOX Temp. (Ambient ± 5°C)	32.0
Offset (< 250 mV)	26.3	HVPS (400 - 900 V)	614

Operator Comments:

Operator Signature: Kami Ballard

RDA

Resolution Copper Mining
East Plant Monitoring Station
SO_2 Level 2 Zero and Span Verification

AIR SCIENCES INC.

Operator: Kame Bellard	Teledyne API T100 SO_2 Analyzer S/N	193	Verification Start Time	11 53
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	12:05
Date: 04/01/2015			T100 Analyzer Range	500PPB
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	22 53

Biweekly Manual Level 2 Zero and Span Verification

Target Dilution (ppb)	Actual Target Dilution Generated	NO_2 Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	-0 48	0.83	Zero Drift ≤ ± 1.5 %	No
400 ppb	400	399.48	0.54	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	-0.48	-0 298	± 2 ppb	No
400 ppb	399 48	400.06	± 2 ppb	

Analyzer Parameters

Sample Flow (650 ± 65 cc/min)	622	Sample Press. (Ambient ± 2 in-Hg)	25.7
UV Lamp (1000 - 4800 mV)	2113.8	Lamp Ratio (30 - 120%)	89.5
Slope (1 ± 0.3)	1.075	BOX Temp. (Ambient ± 5°C)	~~614~~ 31.5
Offset (< 250 mV)	28.7	HVPS (400 - 900 V)	614

Operator Comments: 1200 Hrs INVALID - RPA

Operator Signature: Kame Bellard

Resolution Copper Mining
East Plant Monitoring Station
SO_2 Level 2 Zero and Span Verification

AIR SCIENCES INC.

Operator: Kami B	Teledyne API T100 SO_2 Analyzer S/N	193	Verification Start Time	2.14
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	2:35
Date: 4/10/2015			T100 Analyzer Range	500PPB
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	20.78

Biweekly Manual Level 2 Zero and Span Verification

Target Dilution (ppb)	Actual Target Dilution Generated	SO_2 Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	0.047	0.78	Zero Drift ≤ ± 1.5 %	No
400 ppb	400	395.19	.129	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	0.047	0.099	± 2 ppb	No
400 ppb	395.19	396.18	± 2 ppb	No

Analyzer Parameters

Sample Flow (650 ± 65 cc/min)	625	Sample Press. (Ambient ± 2 in-Hg)	25.9
UV Lamp (1000 - 4800 mV)	2122.7	Lamp Ratio (30 - 120%)	89.8
Slope (1 ± 0.3)	1.152	BOX Temp. (Ambient ± 5°C)	32.0
Offset (< 250 mV)	25.9	HVPS (400 - 900 V)	614

Operator Comments: 1500 ltrs INVALIDATED — RPA

Operator Signature: Kami Ballard

Resolution Copper Mining
East Plant Monitoring Station
SO_2 Level 2 Zero and Span Verification

AIR SCIENCES INC.

DENVER • PORTLAND

Operator: Kami Ballard	Teledyne API T100 SO_2 Analyzer S/N	193	Verification Start Time	13:53
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	2:08
Date: 4/30/2015			T100 Analyzer Range	500 PPB
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	24.39

Biweekly Manual Level 2 Zero and Span Verification

Target Dilution (ppb)	Actual Target Dilution Generated	NO_2 Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	-0.211	0.217	Zero Drift ≤ ± 1.5 %	No
400 ppb	400	398.030	0.836	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	-0.211	-0.18	± 2 ppb	No
400 ppb	398.030	398.78	± 2 ppb	NO

Analyzer Parameters

Sample Flow (650 ± 65 cc/min)	626	Sample Press. (Ambient ± 2 in-Hg)	25.9
UV Lamp (1000 - 4800 mV)	2148.3	Lamp Ratio (30 - 120%)	90.9
Slope (1 ± 0.3)	1.073	BOX Temp. (Ambient ± 5°C)	31.9
Offset (< 250 mV)	26.2	HVPS (400 - 900 V)	614

Operator Comments: 1400 - 1500 HRS INVAID - RPA

Operator Signature: Kami Ballard

Resolution Copper Mining
East Plant Monitoring Station
SO_2 Level 2 Zero and Span Verification

AIR SCIENCES INC.

DENVER • PORTLAND

Operator: Kane Ballard	Teledyne API T100 SO_2 Analyzer S/N	193	Verification Start Time	11:02
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	11:15
Date: 5.15.2015			T100 Analyzer Range	500 PPB
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	22.69

Biweekly Manual Level 2 Zero and Span Verification

Target Dilution (ppb)	Actual Target Dilution Generated	NO_2 Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	0.509	0.209	Zero Drift ≤ ±1.5 %	No
400 ppb	400	400.116	0.891	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	0.509	0.51	± 2 ppb	No
400 ppb	400.114	400.83	± 2 ppb	No

Analyzer Parameters

Sample Flow (650 ± 65 cc/min)	623	Sample Press. (Ambient ± 2 in-Hg)	25.8
UV Lamp (1000 - 4800 mV)	2264	Lamp Ratio (30 - 120%)	91.6
Slope (1 ± 0.3)	1.071	BOX Temp. (Ambient ± 5°C)	32.4
Offset (< 250 mV)	25.8	HVPS (400 - 900 V)	614

Operator Comments: Changed filters

Operator Signature: Kane Ballard

East Plant

SO_2 Level 2 Zero and Span Verification
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. ATTRIDGE	Teledyne API T100 SO_2 Analyzer S/N	193	Verification Start Time	0740
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	0751
Date: 5-27-2015			T100 Analyzer Range	0-500
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	22.6

Biweekly Manual Level 2 Zero and Span Verification

Target Dilution (ppb)	Actual Target Dilution Generated	NO_2 Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	ZERO	0.5	0.3	Zero Drift ≤ ± 1.5 %	NO
400 ppb	400	400.1	0.8	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	0.5	0.7	± 2 ppb	NO
400 ppb	400.1	400.6	± 2 ppb	NO

Analyzer Parameters

Sample Flow (650 ± 65 cc/min)	619	Sample Press. (Ambient ± 2 in-Hg)	25.1
UV Lamp (1000 - 4800 mV)	2185.5	Lamp Ratio (30 - 120%)	92.5
Slope (1 ± 0.3)	1.091	BOX Temp. (Ambient ± 5°C)	33.4
Offset (< 250 mV)	25.2	HVPS (400 - 900 V)	614

Operator Comments: 0800 Hrs Concentration shall be invalidated as a result of Verification procedures - RPA

Operator Signature:

East Plant

SO_2 Level 2 Zero and Span Verification
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. ATTRIDGE	Teledyne API T100 SO_2 Analyzer S/N	193	Verification Start Time	0725
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	0750
Date: 6-12-2015			T100 Analyzer Range	500
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	21.3

Biweekly Manual Level 2 Zero and Span Verification

Target Dilution (ppb)	Actual Target Dilution Generated	NO_2 Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	ZERO	0.2	0.1	Zero Drift ≤ ± 1.5 %	NO
400 ppb	400	395.8	0.5	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	0.2	0.6	± 2 ppb	NO
400 ppb	395.8	396.7	± 2 ppb	NO

Analyzer Parameters

Sample Flow (650 ± 65 cc/min)	617	Sample Press. (Ambient ± 2 in-Hg)	25.6
UV Lamp (1000 - 4800 mV)	2237.2	Lamp Ratio (30 - 120%)	94.7
Slope (1 ± 0.3)	1.066	BOX Temp. (Ambient ± 5°C)	32.9
Offset (< 250 mV)	25.8	HVPS (400 - 900 V)	614

Operator Comments: ANALYZER WARNINGS DISPLAYED AS A RESULT OF A FACILITY POWER OUTAGE ON 6-11-15 @ APX 1900 HRS —

Operator Signature:

East Plant

SO_2 Level 2 Zero and Span Verification
Resolution Copper Mining

AIR SCIENCES INC.

DENVER • PORTLAND

Operator: R. ARRIDGE	Teledyne API T100 SO_2 Analyzer S/N	193	Verification Start Time	0747
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	0925
Date: 6/25/2015			T100 Analyzer Range	500 ppb
	NIST Traceable Gas Conc.	406	Shelter Temperature (5-40 ° C)	23.3

Biweekly Manual Level 2 Zero and Span Verification

Target Dilution (ppb)	Actual Target Dilution Generated	NO_2 Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	-0.1	0.3	Zero Drift ≤ ± 1.5 %	NO
400 ppb	400	402.3	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	-0.1	-0.3	± 2 ppb	NO
400 ppb	402.3	403.1	± 2 ppb	NO

Analyzer Parameters

Sample Flow (650 ± 65 cc/min)	624	Sample Press. (Ambient ± 2 in-Hg)	25.8
UV Lamp (1000 - 4800 mV)	2294.5	Lamp Ratio (30 - 120%)	97.1
Slope (1 ± 0.3)	1.074	BOX Temp. (Ambient ± 5°C)	32.1
Offset (< 250 mV)	26.3	HVPS (400 - 900 V)	614

Operator Comments: ANNUAL T100 SERVICES DUE 7/2015

Operator Signature: R Arridge

Resolution Copper Mining
East Plant Monitoring Station
NOx Level 1 Zero and Span Calibration

AIR SCIENCES INC.

Operator: Karen Bellard	Teledyne API T200 NOx Analyzer S/N	197	Calibration Start Time	10:17
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	10:38
Date: 04/23/2015			T200 Analyzer Range	500 PPB
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	22.48

Biweekly Manual Level 1 Zero and Span Calibration

Target Dilution (ppb)	Actual Target Dilution Generated	NO Response	NO_2 Response	NOx Response	Analyzer Stability	Acceptance Criteria	Final NOx / Zero Response
Zero Air	0	-0.0	4.5	4.5	0.9	Zero Drift ≤ ± 1.5 %	1.5
400 ppb	400	388.3	-0.1	388.3	0.6	Span Drift ≤ ± 10 %	401.0

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)		Logger Response (ppb)		Acceptance Criteria	Adjustment Required?
Zero Air	NO	-0.0	NO	-0.22	± 2 ppb	No
	NO_2	4.5	NO_2	4.4		
	NO_x	4.5	NO_x	4.5		
400 ppb	NO	388.3	NO	388.7	± 2 ppb	No
	NO_2	-0.1	NO_2	-0.21		
	NO_x	388.3	NO_x	388.96		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	486	Moly Temp. (315 ± 5°C)	315.3
Ozone Flow (80 ± 15 cc/min)	81	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	1.026	NO Slope (1 ± 0.3)	1.016
NOx Offset (0 ± 100)	12.3	NO Offset (0 ± 100)	0.0

Operator Comments: 1700 Hrs Concentration Invalidated RPA

Operator Signature: Karen Bellard

East Plant

NOx Level 1 Zero and Span Calibration
Resolution Copper Mining

AIR SCIENCES INC.

DENVER • PORTLAND

Operator: R. Attridge	Teledyne API T200 NOx Analyzer S/N	197	Calibration Start Time	0745
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	0825
Date: 5-6-2015			T200 Analyzer Range	0-500 ppb
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	25.8

Biweekly Manual Level 1 Zero and Span Calibration

Target Dilution (ppb)	Actual Target Dilution Generated	NO Response	NO_2 Response	NOx Response	Analyzer Stability	Acceptance Criteria	Final NOx / Zero Response
Zero Air	Zero	-0.1	2.6	2.5	0.9	Zero Drift ≤ ± 1.5 %	0.1
400 ppb	400	399.3	-5.8	394.6	0.2	Span Drift ≤ ± 10 %	401.7

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	-0.1	± 2 ppb	NO
	NO_2	0.0	NO_2	-0.2		
	NO_x	0.1	NO_x	-0.08		
400 ppb	NO	397.5	NO	397.5	± 2 ppb	NO
	NO_2	4.3	NO_2	4.4		
	NO_x	401.8	NO_x	401.5		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	471	Moly Temp. (315 ± 5°C)	315
Ozone Flow (80 ± 15 cc/min)	80	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	1.056	NO Slope (1 ± 0.3)	1.016
NOx Offset (0 ± 100)	24.9	NO Offset (0 ± 100)	0.1

Operator Comments:

Performed via remote access by means of Api Comm Remote Interface.

Flow system / lines need inspection
Particle filter requires replacement
Skep negative values observed - RAT

Operator Signature:

Roy Attridge

East Plant

NOx Level 1 Zero and Span Calibration
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. Attridge	Teledyne API T200 NOx Analyzer S/N	197	Calibration Start Time	0705
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	0750
Date: 5-7-2015			T200 Analyzer Range	500 ppb
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	25.2

Biweekly Manual Level 1 Zero and Span Calibration

Target Dilution (ppb)	Actual Target Dilution Generated	NO Response	NO_2 Response	NOx Response	Analyzer Stability	Acceptance Criteria	Final NOx / Zero Response
Zero Air	ZERO	0.0	0.0	0.0	0.1	Zero Drift ≤ ± 1.5 %	0.0
400 ppb	400	402.7	3.6	405.5	0.7	Span Drift ≤ ± 10 %	396.3

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)		Logger Response (ppb)		Acceptance Criteria	Adjustment Required?
Zero Air	NO	0.0	NO	-0.2	± 2 ppb	NO
	NO_2	0.0	NO_2	-0.1		
	NO_x	0.0	NO_x	-0.2		
400 ppb	NO	397.5	NO	397.2	± 2 ppb	NO
	NO_2	0.8	NO_2	-1.2		
	NO_x	396.3	NO_x	396.8		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	480	Moly Temp. (315 ± 5°C)	316.4
Ozone Flow (80 ± 15 cc/min)	80	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	1.025	NO Slope (1 ± 0.3)	1.018
NOx Offset (0 ± 100)	8.5	NO Offset (0 ± 100)	0.4

Operator Comments:

RE-SPAN OF ZERO AND 400 PPB AS A RESULT OF THE NEGATIVE CONCENTRATIONS OBSERVED IN COLLECTED DATA. POSSIBLE CONTAMINENTS ENTERING SAMPLE LINE i.e. LOOSE CONNECTORS OR PARTICLE FILTER CAP. — RPA
DATA FALSIFICATION FORTHCOMING — RPA

Operator Signature:

R Attridge

East Plant

NOx Level 1 Zero and Span Calibration
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. ATTRIDGE	Teledyne API T200 NOx Analyzer S/N	197	Calibration Start Time	1019
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	1115
Date: 5-20-2015			T200 Analyzer Range	~~[illegible]~~ 0-500 ppb
	NIST Traceable Gas Conc.	406	Shelter Temperature (5-40 ° C)	24.7

Biweekly Manual Level 1 Zero and Span Calibration

Target Dilution (ppb)	Actual Target Dilution Generated	NO Response	NO_2 Response	NOx Response	Analyzer Stability	Acceptance Criteria	Final NOx / Zero Response
Zero Air	ZERO	-0.1	-2.6	-2.7	0.1	Zero Drift ≤ ± 1.5 %	0.0
400 ppb	400	399.2	2.4	402.3	0.8	Span Drift ≤ ± 10 %	400.7

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)		Logger Response (ppb)		Acceptance Criteria	Adjustment Required?
Zero Air	NO	-0.0	NO	-0.2	± 2 ppb	NO
	NO_2	-0.0	NO_2	-0.2		
	NO_x	0.0	NO_x	-0.1		
400 ppb	NO	400.4	NO	401.6	± 2 ppb	NO
	NO_2	0.4	NO_2	0.1		
	NO_x	401.8	NO_x	401.8		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	482	Moly Temp. (315 ± 5°C)	316.5
Ozone Flow (80 ± 15 cc/min)	80	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	1.073	NO Slope (1 ± 0.3)	1.074
NOx Offset (0 ± 100)	4.7	NO Offset (0 ± 100)	0.1

Operator Comments: DATA INVALIDATED AS A RESULT OF LEVEL 2 ACTIVITIES @ ~~1100 HRS~~ 1000-1100 RPA

Operator Signature:

East Plant

NOx Level 1 Zero and Span Calibration
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. ATTRIDGE	Teledyne API T200 NOx Analyzer S/N	197	Calibration Start Time	~~0636~~ 0954
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	1020
Date: 6-2-2015			T200 Analyzer Range	0-500
	NIST Traceable Gas Conc.	90%	Shelter Temperature (5-40 ° C)	22.9

Biweekly Manual Level 1 Zero and Span Calibration

Target Dilution (ppb)	Actual Target Dilution Generated	NO Response	NO_2 Response	NOx Response	Analyzer Stability	Acceptance Criteria	Final NOx / Zero Response
Zero Air	ZERO	0.6	0.0	0.2	0.2	Zero Drift ≤ ± 1.5 %	0.0
400 ppb	400	392.4	-3.9	388.4	0.5	Span Drift ≤ ± 10 %	397.6

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)		Logger Response (ppb)		Acceptance Criteria	Adjustment Required?
Zero Air	NO	-0.0	NO	-0.2	± 2 ppb	NO
	NO_2	0.0	NO_2	-0.03		
	NO_x	0.1	NO_x	0		
400 ppb	NO	397.4	NO	397.3	± 2 ppb	NO
	NO_2	0.2	NO_2	0.2		
	NO_x	397.6	NO_x	397.9		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	483	Moly Temp. (315 ± 5°C)	314.3
Ozone Flow (80 ± 15 cc/min)	80	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	1.107	NO Slope (1 ± 0.3)	1.095
NOx Offset (0 ± 100)	5.4	NO Offset (0 ± 100)	-0.7

Operator Comments:

Operator Signature:

Resolution Copper Mining
East Plant Monitoring Station
NOx Level 1 Zero and Span Calibration

AIR SCIENCES INC.

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Operator: Kane Bellard	Teledyne API T200 NOx Analyzer S/N	197	Calibration Start Time	1:10
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	1:30
Date: 6/19/2015	NIST Traceable Gas Conc.	40%	T200 Analyzer Range	500 PPB
			Shelter Temperature (5-40 ° C)	22.30

Biweekly Manual Level 1 Zero and Span Calibration

Target Dilution (ppb)	Actual Target Dilution Generated	NO Response	NO_2 Response	NOx Response	Analyzer Stability	Acceptance Criteria	Final NOx/Zero Response
Zero Air	0	-0.3	0.4	0.1	0.3	Zero Drift ≤ ±1.5%	0.2
400 ppb	400	378.1	1.7	380.1	0.2	Span Drift ≤ ±10%	401.4

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)		Logger Response (ppb)		Acceptance Criteria	Adjustment Required?
Zero Air	NO	-0.3	NO	-0.44	± 2 ppb	No
	NO_2	0.4	NO_2	0.34		
	NO_x	0.1	NO_x	0.13		
400 ppb	NO	378.1	NO	378.19	± 2 ppb	No
	NO_2	1.7	NO_2	1.79		
	NO_x	380.1	NO_x	380.23		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	473	Moly Temp. (315 ± 5°C)	315.3
Ozone Flow (80 ± 15 cc/min)	80	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	1.106	NO Slope (1 ± 0.3)	1.098
NOx Offset (0 ± 100)	8.4	NO Offset (0 ± 100)	0.4

Operator Comments:

Operator Signature: Kane Bellard

RPA

Resolution Copper Mining
East Plant Monitoring Station
NOx Level 2 Zero and Span Verification

AIR SCIENCES INC.

Operator:	Teledyne API T200 NOx Analyzer S/N	197	Verification Start Time	11:41
Kanu Ballard	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	11:52
Date: 04 01 2015	NIST Traceable Gas Conc.	40%	T200 Analyzer Range	500PPB
			Shelter Temperature (5-40 ° C)	22.72

Biweekly Manual Level 2 Zero and Span Verification

Target Dilution (ppb)	Actual Target Dilution Generated	NO Response	NO_2 Response	NOx Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	0.3	0.9	1.2	0.6	Zero Drift ≤ ± 1.5 %	NO
400 ppb	400	393.5	-2.6	390.9	0.8	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	0.3	NO	0.04	± 2 ppb	NO
	NO_2	0.9	NO_2	0.63		
	NO_x	1.2	NO_x	1.11		
400 ppb	NO	393.5	NO	393.84	± 2 ppb	NO
	NO_2	-2.6	NO_2	-1.09		
	NO_x	390.9	NO_x	391.51		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	477	Moly Temp. (315 ± 5°C)	314.9
Ozone Flow (80 ± 15 cc/min)	81	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	0.989	NO Slope (1 ± 0.3)	0.986
NOx Offset (0 ± 100)	7.1	NO Offset (0 ± 100)	0.5

Operator Comments: 1200 Hrs Concentration invalid - RPA

Operator Signature: Kanu Ballard

Resolution Copper Mining
East Plant Monitoring Station
NOx Level 2 Zero and Span Verification

AIR SCIENCES INC.

Operator: Kam Pallard	Teledyne API T200 NOx Analyzer S/N	197	Verification Start Time	1:36
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	2:13
Date: 4/10/2015			T200 Analyzer Range	500PPB
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	24.48

Biweekly Manual Level 2 Zero and Span Verification

Target Dilution (ppb)	Actual Target Dilution Generated	NO Response	NO_2 Response	NOx Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	0.1	1.4	1.5	0.3	Zero Drift ≤ ±1.5 %	No
400 ppb	400	430.2	-0.5	429.7	0.3	Span Drift ≤ ±10 %	High ??

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	-0.13	± 2 ppb	No
	NO_2	1.4	NO_2	1.2		
	NO_x	1.5	NO_x	1.5		
400 ppb	NO	430.2	NO	429.73	± 2 ppb	No
	NO_2	-0.5	NO_2	-0.49		
	NO_x	429.7	NO_x	429.35		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	488	Moly Temp. (315 ± 5°C)	315.7
Ozone Flow (80 ± 15 cc/min)	80	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	0.986	NO Slope (1 ± 0.3)	0.989
NOx Offset (0 ± 100)	2.6	NO Offset (0 ± 100)	0.0

Operator Comments:

Box Temp: 31.9 1400-1500 HRS RECALIBRATED-RAA

Operator Signature: Kam Pallard

Resolution Copper Mining
East Plant Monitoring Station
NOx Level 2 Zero and Span Verification

AIR SCIENCES INC.

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Operator:	Teledyne API T200 NOx Analyzer S/N	197	Verification Start Time	1:37
Karri Ballard	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	1:53
Date: 4/30/2015	NIST Traceable Gas Conc.	40%	T200 Analyzer Range	500 PPB
			Shelter Temperature (5-40 ° C)	23.71

Biweekly Manual Level 2 Zero and Span Verification

Target Dilution (ppb)	Actual Target Dilution Generated	NO Response	NO_2 Response	NOx Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	-0.	-0.1	-3.0	-3.1	0.3	Zero Drift ≤ ±1.5 %	Yes NOx Span 0.7
400 ppb	400	385.9	-1.5	384.7	0.8	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	~~-0.36~~ -0.19	± 2 ppb	NO
	NO_2	-3.0	NO_2	-3.01		
	NO_x	-3.1	NO_x	-2.95		
400 ppb	NO	385.9	NO	386.66	± 2 ppb	NO
	NO_2	-1.5	NO_2	-1.95		
	NO_x	384.7	NO_x	385.52		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	489	Moly Temp. (315 ± 5°C)	315.1
Ozone Flow (80 ± 15 cc/min)	81	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	1.026	NO Slope (1 ± 0.3)	1.016
NOx Offset (0 ± 100)	12.3	NO Offset (0 ± 100)	0.0

Operator Comments:

ZERO DRIFT — RPA
DATA SHALL BE INVALIDATED IF NECESSARY — RPA

Operator Signature: Karri Ballard

Resolution Copper Mining
East Plant Monitoring Station
NOx Level 2 Zero and Span Verification

AIR SCIENCES INC.

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Operator: Kami BeClard	Teledyne API T200 NOx Analyzer S/N	197	Verification Start Time	1:07
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	
Date: 05/11/2015			T200 Analyzer Range	22.61
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	500PPB

Biweekly Manual Level 2 Zero and Span Verification

Target Dilution (ppb)	Actual Target Dilution Generated	NO Response	NO_2 Response	NOx Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	0.1	-1.7	-1.7	0.3	Zero Drift ≤ ±1.5 %	No
400 ppb	400	385.6	-1.2	384.5	0.8	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	-0.18	± 2 ppb	NO
	NO_2	-1.7	NO_2	-2.00		
	NO_x	-1.7	NO_x	-1.64		
400 ppb	NO	385.6	NO	386.27	± 2 ppb	NO
	NO_2	-1.2	NO_2	-1.51		
	NO_x	384.5	NO_x	385.00		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	488	Moly Temp. (315 ± 5°C)	314.6
Ozone Flow (80 ± 15 cc/min)	80	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	1.025	NO Slope (1 ± 0.3)	1.018
NOx Offset (0 ± 100)	8.5	NO Offset (0 ± 100)	0.4

Operator Comments: Checked & tightened all tubing. Changed filter.

Operator Signature: Kami BeClard

INVALIDATED THE 1400HRS CONCENTRATIONS OF NOX, NO2, AND NO — RPA

Resolution Copper Mining
East Plant Monitoring Station
NOx Level 1 Zero and Span Calibration

AIR SCIENCES INC.

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Operator: Kami Ballard	Teledyne API T200 NOx Analyzer S/N	197	Calibration Start Time	10:29
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	11:02
Date: 5/15/2015			T200 Analyzer Range	500 PPB
	NIST Traceable Gas Conc.	40 %	Shelter Temperature (5-40 ° C)	24.28

Biweekly Manual Level 1 Zero and Span Calibration

Target Dilution (ppb)	Actual Target Dilution Generated	NO Response	NO_2 Response	NOx Response	Analyzer Stability	Acceptance Criteria	Final NOx/Zero Response
Zero Air	0	-0.4	0.6	0.1	0.3	Zero Drift ≤ ±1.5 %	0.2
400 ppb	400	385.2	1.1	386.3	0.4	Span Drift ≤ ±10 %	~~411~~ 410.7 ?

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)		Logger Response (ppb)		Acceptance Criteria	Adjustment Required?
Zero Air	NO	-0.4	NO	-0.53	± 2 ppb	No
	NO_2	0.6	NO_2	0.34		
	NO_x	0.1	NO_x	0.38		
400 ppb	NO	385.2	NO	385.31	± 2 ppb	No
	NO_2	1.1	NO_2	0.79		
	NO_x	386.3	NO_x	386.32		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	478	Moly Temp. (315 ± 5°C)	315.2
Ozone Flow (80 ± 15 cc/min)	81	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	1.026	NO Slope (1 ± 0.3)	1.017
NOx Offset (0 ± 100)	9.4	NO Offset (0 ± 100)	0.2

Operator Comments:

Operator Signature: Kami Ballard

East Plant

NOx Level 2 Zero and Span Verification
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. ATTRIDGE	Teledyne API T200 NOx Analyzer S/N	197	Verification Start Time	0706
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	~~22.4~~ 0740
Date: 5-27-2015			T200 Analyzer Range	0-500
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	22.4

Biweekly Manual Level 2 Zero and Span Verification

Target Dilution (ppb)	Actual Target Dilution Generated	NO Response	NO_2 Response	NOx Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	ZERO	0.0	0.4	0.5	0.4	Zero Drift ≤ ±1.5 %	NO
400 ppb	400	399.8	0.0	399.8	0.8	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	0.0	NO	-0.0	± 2 ppb	NO
	NO_2	0.4	NO_2	0.2		
	NO_x	0.5	NO_x	0.3		
400 ppb	NO	399.8	NO	399.9	± 2 ppb	NO
	NO_2	0.0	NO_2	-0.2		
	NO_x	399.8	NO_x	399.1		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	482	Moly Temp. (315 ± 5°C)	316.8
Ozone Flow (80 ± 15 cc/min)	80	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	1.064	NO Slope (1 ± 0.3)	1.058
NOx Offset (0 ± 100)	9.4	NO Offset (0 ± 100)	-0.2

Operator Comments:

0800 ifes Concentration should be Invalidated as a result of Verification Procedures - RPA

Operator Signature: R Attridge

East Plant

NOx Level 2 Zero and Span Verification
Resolution Copper Mining

AIR SCIENCES INC.

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Operator: R. ATTRIDGE	Teledyne API T200 NOx Analyzer S/N	197	Verification Start Time	0653
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	0725
Date: 6-12-2015			T200 Analyzer Range	0-500
	NIST Traceable Gas Conc.	406	Shelter Temperature (5-40 ° C)	22.3

Biweekly Manual Level 2 Zero and Span Verification

Target Dilution (ppb)	Actual Target Dilution Generated	NO Response	NO_2 Response	NOx Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	ZERO	0.0	0.6	0.6	.8	Zero Drift ≤ ± 1.5 %	NO
400 ppb	400	400.8	0.9	401.7	.5	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~~ 0.0	NO	-0.2	± 2 ppb	NO
	NO_2	~~-0.0~~ 0.6	NO_2	-0.0		
	NO_x	~~0.2~~ 0.6	NO_x	0.2		
400 ppb	NO	400.8	NO	400.8	± 2 ppb	NO
	NO_2	0.9	NO_2	0.8		
	NO_x	401.7	NO_x	401.8		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	472	Moly Temp. (315 ± 5°C)	314.6
Ozone Flow (80 ± 15 cc/min)	80	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	1.103	NO Slope (1 ± 0.3)	1.098
NOx Offset (0 ± 100)	5.8	NO Offset (0 ± 100)	-0.3

Operator Comments: ANALYZER WARNINGS DISPLAYED AS A RESULT OF FACILITY POWER DISRUPTION ON 6-11-15 @ APX 1900 HRS —

Operator Signature: R Attridge

East Plant

NOx Level 2 Zero and Span Verification
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. ATTRINGE	Teledyne API T200 NOx Analyzer S/N	197	Verification Start Time	0645
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	0745
Date: 6-25-2015			T200 Analyzer Range	500 ppb
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	25.2

Biweekly Manual Level 2 Zero and Span Verification

Target Dilution (ppb)	Actual Target Dilution Generated	NO Response	NO_2 Response	NOx Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	-0.0	-0.8	-0.9	0.2	Zero Drift ≤ ± 1.5 %	NO
400 ppb	400	402.4	1.2	403.7	0.5	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	-0.0	NO	-0.1	± 2 ppb	NO
	NO_2	-0.8	NO_2	-1.1		
	NO_x	-0.9	NO_x	-0.9		
400 ppb	NO	402.4	NO	402.5	± 2 ppb	NO
	NO_2	1.2	NO_2	1.1		
	NO_x	403.7	NO_x	404.2		

Analyzer Parameters

Sample Flow (~~500~~ 400 ± 50 cc/min)	483	Moly Temp. (315 ± 5°C)	314.1
Ozone Flow (80 ± 15 cc/min)	81	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	1.106	NO Slope (1 ± 0.3)	1.098
NOx Offset (0 ± 100)	8.4	NO Offset (0 ± 100)	0.4

Operator Comments:

RATHER UNSTABLE ZERO RESPONSE
DURING INITIAL ZERO VERIFICATION,
ZERO AIR GEN SERVICE DUE 7/2015
T200 ANNUAL SERVICE DUE 7/2015

Operator Signature:

Resolution Copper Mining
East Plant Monitoring Station
O_3 Level 1 Zero and Span Calibration

AIR SCIENCES INC.

Operator: Karu Ballard	Teledyne API T400 O_3 Analyzer S/N	224	Calibration Start Time	10:56
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	11:17
Date: 4-23-2015			T400 Analyzer Range	500PPB
			Shelter Temperature (5-40 ° C)	21.75

Biweekly Manual Level 1 Zero and Span Calibration

Target Dilution (ppb)	Actual Target Dilution Generated	O_3 Response	Analyzer Stability	Acceptance Criteria	Final Response
Zero Air	0	1.0	0.7	Zero Drift ≤ ±1.5 %	0.1
400 ppb	400	398.0	0.6	Span Drift ≤ ±7 %	400.1

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	1.0	1.02	± 2 ppb	No
400 ppb	400	399.23	± 2 ppb	No

Analyzer Parameters

Sample Flow (800 ± 80 cc/min)	524	Sample Temp. (10 - 50 °C)	40.0
Photo Lamp (58 ± 1 °C)	58.0	BOX Temp. (30 ± 20 °C)	27.6
Slope (1 ± 0.15)	1.024	O_3 Measure (2500 - 4800 mV)	2781.6
Offset (0.0 ± 5 PPB)	2.7	O_3 Reference (2500 - 4800 mV)	2782.1

Operator Comments: 1100 hrs Concentration invalidated KBL

Operator Signature: Karu Ballard

East Plant

O_3 Level 1 Zero and Span Calibration
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. ATTRIDGE	Teledyne API T400 O_3 Analyzer S/N	224	Calibration Start Time	0854
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	0927
Date: 5-6-2015			T400 Analyzer Range	500 ppb
			Shelter Temperature (5-40 ° C)	25.1

Biweekly Manual Level 1 Zero and Span Calibration

Target Dilution (ppb)	Actual Target Dilution Generated	O_3 Response	Analyzer Stability	Acceptance Criteria	Final Response
Zero Air	ZERO	0.2	0.4	Zero Drift ≤ ±1.5 %	0.3
400 ppb	400	0.5	399.8	Span Drift ≤ ±7 %	400.2

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.3	0.2	± 2 ppb	NO
400 ppb	400.2	400.9	± 2 ppb	NO

Analyzer Parameters

Sample Flow (800 ± 80 cc/min)	492	Sample Temp. (10 - 50 °C)	40.5
Photo Lamp (58 ± 1 °C)	58.0	BOX Temp. (30 ± 20 °C)	27.9
Slope (1 ± 0.15)	1.029	O_3 Measure (2500 - 4800 mV)	2766.2
Offset (0.0 ± 5 PPB)	-2.7	O_3 Reference (2500 - 4800 mV)	2774.4

Operator Comments:

DATA AFFECTED BY CAL SHALL BE INVALIDATED - RPA

Operator Signature:

Ray Attridge

East Plant

O_3 Level 1 Zero and Span Calibration
Resolution Copper Mining

AIR SCIENCES INC.

DENVER • PORTLAND

Operator: ATTREDGE	Teledyne API T400 O_3 Analyzer S/N	224	Calibration Start Time	0907
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	0920
Date: 5-20-2015			T400 Analyzer Range	0-500ppb
			Shelter Temperature (5-40 ° C)	24.1

Biweekly Manual Level 1 Zero and Span Calibration

Target Dilution (ppb)	Actual Target Dilution Generated	O_3 Response	Analyzer Stability	Acceptance Criteria	Final Response
Zero Air	ZERO	0.5	0.9	Zero Drift ≤ ± 1.5 %	0.2
400 ppb	400	398.2	0.6	Span Drift ≤ ± 7 %	399.4

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.2	0.8	± 2 ppb	NO
400 ppb	399.4	399.8	± 2 ppb	NO

Analyzer Parameters

Sample Flow (800 ± 80 cc/min)	473	Sample Temp. (10 - 50 °C)	40.7
Photo Lamp (58 ± 1 °C)	58.0	BOX Temp. (30 ± 20 °C)	27.8
Slope (1 ± 0.15)	1.035	O_3 Measure (2500 - 4800 mV)	2767.8
Offset (0.0 ± 5 PPB)	-2.4	O_3 Reference (2500 - 4800 mV)	2769.1

Operator Comments: INVALIDATED THE 1000 HRS CONCENTRATION RESULTING FROM LEVEL 1 ACTIVITIES - RDA

Operator Signature:

East Plant

O_3 Level 1 Zero and Span Calibration
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. ATREDGE	Teledyne API T400 O_3 Analyzer S/N	224	Calibration Start Time	0712
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	0752
Date: 6-3-2015			T400 Analyzer Range	0-500
			Shelter Temperature (5-40 ° C)	23.3

Biweekly Manual Level 1 Zero and Span Calibration

Target Dilution (ppb)	Actual Target Dilution Generated	O_3 Response	Analyzer Stability	Acceptance Criteria	Final Response
Zero Air	ZERO	0.2	0.4	Zero Drift ≤ ±1.5 %	0.1
400 ppb	401	400.9	0.8	Span Drift ≤ ±7 %	399.1

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.1	0.5	± 2 ppb	NO
400 ppb	399.1	399.3	± 2 ppb	NO

Analyzer Parameters

Sample Flow (800 ± 80 cc/min)	455	Sample Temp. (10 - 50 °C)	39.7
Photo Lamp (58 ± 1 °C)	58	BOX Temp. (30 ± 20 °C)	27.0
Slope (1 ± 0.15)	1.032	O_3 Measure (2500 - 4800 mV)	2269.6
Offset (0.0 ± 5 PPB)	-2.1	O_3 Reference (2500 - 4800 mV)	2720.6

Operator Comments: 0800 thru O_3 Concentration shall be invalidated as a result of Calibration activity

Operator Signature:

Resolution Copper Mining
East Plant Monitoring Station
O_3 Level 1 Zero and Span Calibration

AIR SCIENCES INC.

DENVER • PORTLAND

Operator: Kami	Teledyne API T400 O_3 Analyzer S/N	224	Calibration Start Time	1:48
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	
Date: 6/19/2015			T400 Analyzer Range	500 PPB
			Shelter Temperature (5-40 ° C)	21.71

Biweekly Manual Level 1 Zero and Span Calibration

Target Dilution (ppb)	Actual Target Dilution Generated	O_3 Response	Analyzer Stability	Acceptance Criteria	Final Response
Zero Air	0	-0.7	0.2	Zero Drift ≤ ±1.5 %	-0.2
400 ppb	400	392.1	0.6	Span Drift ≤ ±7 %	400.7

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	-0.7	-0.14	± 2 ppb	No
400 ppb	392.1	392.39	± 2 ppb	No

Analyzer Parameters

Sample Flow (800 ± 80 cc/min)	433	Sample Temp. (10 - 50 °C)	38.3
Photo Lamp (58 ± 1 °C)	58.0	BOX Temp. (30 ± 20 °C)	
Slope (1 ± 0.15)	1.051	O_3 Measure (2500 - 4800 mV)	2797.5
Offset (0.0 ± 5 PPB)	2.8	O_3 Reference (2500 - 4800 mV)	2807.3

Operator Comments:

Operator Signature: Kami Ballard

RPA

Resolution Copper Mining
East Plant Monitoring Station
O_3 Level 2 Zero and Span Verification

AIR SCIENCES INC.

Operator:	Teledyne API T400 O_3 Analyzer S/N	224	Verification Start Time	11:17 *
Kami Ballard	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	
Date: 04/02/2015			T400 Analyzer Range	500PPB
			Shelter Temperature (5-40 ° C)	23.14

Biweekly Manual Level 2 Zero and Span Verification

Target Dilution (ppb)	Actual Target Dilution Generated	O_3 Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	0.3	0.8	Zero Drift ≤ ±1.5 %	No
400 ppb	400	399.9	0.3	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	0.97	± 2 ppb	No
400 ppb	399.9	400.62	± 2 ppb	No

Analyzer Parameters

Sample Flow (800± 80 cc/min)	555	Sample Temp. (10 - 50 °C)	40.4
Photo Lamp (58 ± 1 °C)	58.0	BOX Temp. (30 ± 20 °C)	28.3
Slope (1 ± 0.15)	1.023	O_3 Measure (2500 - 4800 mV)	2758.0
Offset (0.0 ± 5 PPB)	3.4	O_3 Reference (2500 - 4800 mV)	2767.2

Operator Comments: "Lamp Stabil Warn" - T400 MFC & Regulator Pressure Warnings on T700 turned off & back on (Zero Air Gen) adjusted PSI to 30.

Operator Signature: Kami Ballard

* DATA REFLECTS THAT SPAN ACTIVITIES @ OR DURING 1200 HRS, thus 1300 HRS Hourly Concentration FAILED - RAR

Resolution Copper Mining
East Plant Monitoring Station
O_3 Level 2 Zero and Span Verification

AIR SCIENCES INC.

Operator:	Teledyne API T400 O_3 Analyzer S/N	224	Verification Start Time	2:35
Karen Ballard	Teledyne API T700 Primary Standard Dilution Calibrator S/N	141	Verification Stop Time	2:51
Date: 4/10/2015			T400 Analyzer Range	0-20 PPB
			Shelter Temperature (5-40 ° C)	24.03

Biweekly Manual Level 2 Zero and Span Verification

Target Dilution (ppb)	Actual Target Dilution Generated	O_3 Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	0.5	0.5	Zero Drift ≤ ± 1.5 %	N
400 ppb	400	400.7		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	0.5	0.96	± 2 ppb	NO
400 ppb	400.7	401.13	± 2 ppb	NO

Analyzer Parameters

Sample Flow (800± 80 cc/min)	545	Sample Temp. (10 - 50 °C)	39.8
Photo Lamp (58 ± 1 °C)	58.0	BOX Temp. (30 ± 20 °C)	27.6
Slope (1 ± 0.15)	1.022	O_3 Measure (2500 - 4800 mV)	2770.6
Offset (0.0 ± 5 PPB)	3.5	O_3 Reference (2500 - 4800 mV)	2780.6

Operator Comments: 1500 HRS INVALIDATED - RPA

Operator Signature: Karen Ballard

Resolution Copper Mining
East Plant Monitoring Station
O_3 Level 2 Zero and Span Verification

AIR SCIENCES INC.

Operator: Kami Ballard	Teledyne API T400 O_3 Analyzer S/N	224	Verification Start Time	2:08
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	2:26
Date: 4/30/2015			T400 Analyzer Range	500PPB
			Shelter Temperature (5-40 ° C)	24.04

Biweekly Manual Level 2 Zero and Span Verification

Target Dilution (ppb)	Actual Target Dilution Generated	O_3 Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	0.1	0.6	Zero Drift ≤ ±1.5%	No
400 ppb	400	399.4	0.9	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	0.82	± 2 ppb	No
400 ppb	399.4	399.91	± 2 ppb	No

Analyzer Parameters

Sample Flow (800± 80 cc/min)	511	Sample Temp. (10 - 50 °C)	39.2
Photo Lamp (58 ± 1 °C)	58.0	BOX Temp. (30 ± 20 °C)	26.7
Slope (1 ± 0.15)	1.029	O_3 Measure (2500 - 4800 mV)	2771.2
Offset (0.0 ± 5 PPB)	2.8	O_3 Reference (2500 - 4800 mV)	2781.0

Operator Comments: 1500 HRS INVALID — RAA

Operator Signature: Kami Ballard

Resolution Copper Mining
East Plant Monitoring Station
O_3 Level 2 Zero and Span Verification

AIR SCIENCES INC.

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Operator: Kami Ballard	Teledyne API T400 O_3 Analyzer S/N	224	Verification Start Time	11:15
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	11:34
Date: 5.15.2015			T400 Analyzer Range	500PPB
			Shelter Temperature (5-40 ° C)	24.13

Biweekly Manual Level 2 Zero and Span Verification

Target Dilution (ppb)	Actual Target Dilution Generated	O_3 Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	0	0.6	0.8	Zero Drift ≤ ±1.5 %	No
400 ppb	400	389	0.8	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	0.6	1.02	± 2 ppb	No
400 ppb		389.60	± 2 ppb	No

Analyzer Parameters

Sample Flow (800± 80 cc/min)	487	Sample Temp. (10 - 50 °C)	40.9
Photo Lamp (58 ± 1 °C)	58.0	BOX Temp. (30 ± 20 °C)	27.8
Slope (1 ± 0.15)	1.029	O_3 Measure (2500 - 4800 mV)	2764.8
Offset (0.0 ± 5 PPB)	2.7	O_3 Reference (2500 - 4800 mV)	2765.2

Operator Comments: Changed Filter

Operator Signature: Kami Ballard

East Plant

O$_3$ Level 2 Zero and Span Verification
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. ATTRIDGE	Teledyne API T400 O$_3$ Analyzer S/N	224	Verification Start Time	0854
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	0825
Date: 5-27-2015			T400 Analyzer Range	~~24.9~~ 0-500
			Shelter Temperature (5-40 ° C)	24.9

Biweekly Manual Level 2 Zero and Span Verification

Target Dilution (ppb)	Actual Target Dilution Generated	O$_3$ Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	ZERO	-0.4	0.5	Zero Drift ≤ ± 1.5 %	NO
400 ppb	399	400.7	0.9	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	0.2	± 2 ppb	NO
400 ppb	400.2	401.1	± 2 ppb	NO

Analyzer Parameters

Sample Flow (800± 80 cc/min)	458	Sample Temp. (10 - 50 °C)	41
Photo Lamp (58 ± 1 °C)	58.0	BOX Temp. (30 ± 20 °C)	29.0
Slope (1 ± 0.15)	1.035	O$_3$ Measure (2500 - 4800 mV)	2768.9
Offset (0.0 ± 5 PPB)	-2.4	O$_3$ Reference (2500 - 4800 mV)	2770.0

Operator Comments:

* LAMP STABILITY WARNING NOTED

0800 AND 0900 ozone concentrations shall be invalidated as a result of ~~CALIBRATIONS~~ VERIFICATION ACTIVITIES RAA

Operator Signature:

East Plant

O_3 Level 2 Zero and Span Verification
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. ATTRIDGE	Teledyne API T400 O_3 Analyzer S/N	224	Verification Start Time	0753
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	0922
Date: 6-12-2015			T400 Analyzer Range	500
			Shelter Temperature (5-40 ° C)	21.7

Biweekly Manual Level 2 Zero and Span Verification

Target Dilution (ppb)	Actual Target Dilution Generated	O_3 Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	ZERO	0.2	0.3	Zero Drift ≤ ±1.5 %	NO
400 ppb	400	391.6	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	0.2	0.4	± 2 ppb	NO
400 ppb	391.6	391.8	± 2 ppb	NO

Analyzer Parameters

Sample Flow (~~800~~ 400 ± 80 cc/min)	496	Sample Temp. (10 - 50 °C)	39.8
Photo Lamp (58 ± 1 °C)	58.0	BOX Temp. (30 ± 20 °C)	27.5
Slope (1 ± 0.15)	1.032	O_3 Measure (2500 - 4800 mV)	2794.8
Offset (0.0 ± 5 PPB)	-2.1	O_3 Reference (2500 - 4800 mV)	2794.9

Operator Comments: ANALYZER WARNINGS DISPLAYED REFLECTS A POWER OUTAGE ON 6-11-15 @ 1900 Hrs

Operator Signature:

East Plant

O_3 Level 2 Zero and Span Verification
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. ATTRIDGE	Teledyne API T400 O_3 Analyzer S/N	224	Verification Start Time	0630
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	199	Verification Stop Time	0656
Date: 6/26/2015			T400 Analyzer Range	500ppb
			Shelter Temperature (5-40 ° C)	24.3

Biweekly Manual Level 2 Zero and Span Verification

Target Dilution (ppb)	Actual Target Dilution Generated	O_3 Response	Analyzer Stability	Acceptance Criteria	Adjustment Required?
Zero Air	ZERO	0.9	0.2	Zero Drift ≤ ±1.5 %	NO
400 ppb	400	395.0	0.6	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	0.9	0.6	± 2 ppb	NO
400 ppb	395.0	395.6	± 2 ppb	NO

Analyzer Parameters

Sample Flow (800± 80 cc/min)	403	Sample Temp. (10 - 50 °C)	40.7
Photo Lamp (58 ± 1 °C)	58.0	BOX Temp. (30 ± 20 °C)	28.4
Slope (1 ± 0.15)	1.051	O_3 Measure (2500 - 4800 mV)	2805.6
Offset (0.0 ± 5 PPB)	-2.8	O_3 Reference (2500 - 4800 mV)	2806.5

Operator Comments: Annual T400 Service DUE 7/2015 Operator Signature:

Appendix I: Audits and Calibrations

AIR SCIENCES INC.

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Air Quality Audit and Calibration Report Resolution Copper East Plant Monitoring Station

PREPARED FOR:
RESOLUTION COPPER MINING

Resolution Copper Mining

PREPARED BY:
AIR SCIENCES INC.

PROJECT NO. 262-13-1
APRIL 2015

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Appendix A – Audit and Calibration Forms

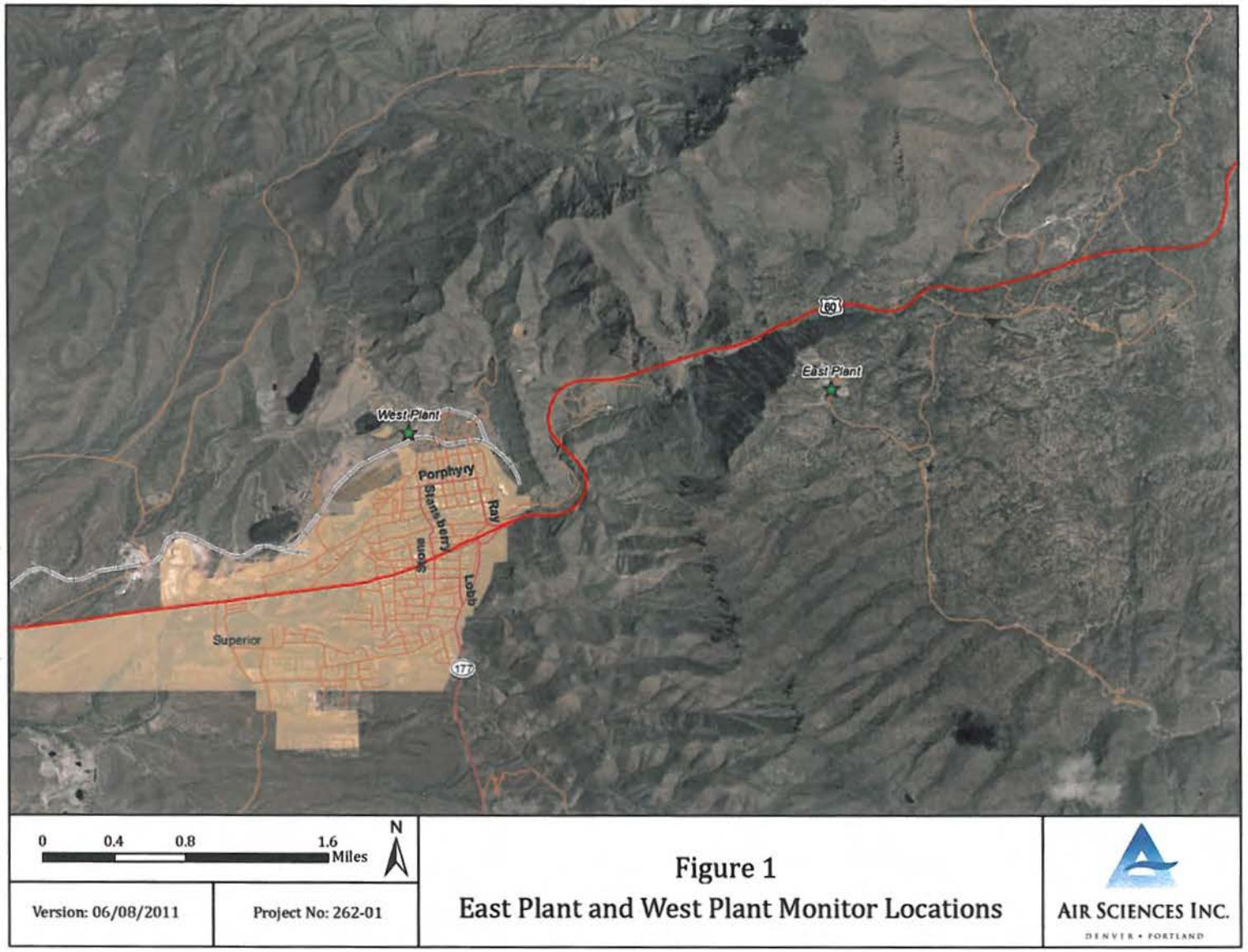
1.0 INTRODUCTION

On April 6-7, 2015, the ambient gas and particulate instrumentation was audited and/or calibrated at the Resolution Copper East Plant near Superior, AZ. The East Plant monitoring station is operated by the Resolution Copper Mining Company and is located approximately two miles east of the West Plant (see Figure 1).

The purpose of this document is to provide a brief synopsis of the air quality monitoring system and of the audit and/or calibration procedures for the meteorological, particulate, and ambient gas instrumentation at the East Plant monitoring station. The audit/calibration activities described in this report were conducted in accordance with the applicable 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-13-003, Quality Assurance Handbook for Air Pollution Measurement Systems, Volume II: Ambient Air Quality Monitoring Program, May 2013
- 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. Project Location Map – Resolution Copper East Plant and West Plant Monitoring Station Locations



2.0 SYSTEM DESCRIPTION

The instrumentation at the East Plant monitoring site measures wind speed, wind direction, ambient temperature, vertical height temperature difference (delta temperature), solar radiation, relative humidity, precipitation, barometric pressure, particulate matter less than 10 and 2.5 microns in diameter (PM_{10} & $PM_{2.5}$), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), and ozone (O_3).

The meteorological sensors are mounted to a 35-foot, open-lattice, aluminum drop tower, and the particulate and gaseous analyzers are housed in a 60-square-foot climate-controlled trailer. The sensor and particulate inlet heights are listed in Table 1 (as measured from ground-level).

Table 1. Sensors and Sample Inlet Heights (meters above the ground)

Parameter	Approximate Height(meters)
Wind Speed	10
Wind Direction	10
Ambient Temperature	2
Delta Temperature	2, 10
Solar Radiation	2
Relative Humidity	2
Precipitation	1
Barometric Pressure	1.5
PM_{10}	3
$PM_{2.5}$	3
NO_2	3
SO_2	3
O_3	3

The meteorological and ambient gas data are recorded via analog inputs on two Campbell Scientific CR3000 dataloggers, each powered independently by either DC solar 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 two Met One Instruments model BAM-1020 particulate monitors. The BAM-1020 is a continuous 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.

3.0 AUDIT AND CALIBRATION METHODOLOGY

This section provides the audit and/or calibration procedures for the ambient gas instrumentation at the Resolution Copper East Plant monitoring site. Copies of the completed audit and/or calibration forms are included in Appendix A.

3.1 Ambient Gas Audit Procedures

The audit of the Teledyne T100 SO_2 and T200 NO_X analyzers involved a Multi-Point Audit (MPA). The MPA was 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. The T100 SO_2 and T200 NO_X analyzer was challenged at zero, and at five points within the instruments range—typically a point from 100 to 500 parts per billion (ppb) of SO_2 or NOx.

The audit of the Teledyne T400 O_3 analyzer involved an MPA. The MPA was performed by using a Transfer Standard Teledyne API T700 Dilution Calibrator to generate O_3 gas to audit the T400 analyzer at zero, and at a single point within the instrument range—typically a point from 100 to 500 ppb of O_3.

3.2 Ambient Gas Calibration Procedures

The calibration of the Teledyne T100 SO_2 and T200 NO_X analyzers involved a Multi-Point Calibration (MPC). The MPC was performed by using the Primary Standard Teledyne API T700 Dilution Calibrator to dilute certified multi-component EPA-protocol calibration gas with a clean zero-air source. The T100 SO_2 and T200 NO_X analyzer was challenged at zero, and at five points within the instruments range—typically from 100 to 500 parts per billion (ppb) of SO_2 or NOx.

The calibration of the Teledyne T400 O_3 analyzer involved an MPC. The MPC was performed by using Primary Standard Teledyne API T700 Dilution Calibrator to generate O_3 gas and calibrate the T400 analyzer at zero, and at a five points within the instrument range—typically from 100 to 500 ppb of O_3.

3.3 Particulate Matter Audit Procedures

The BAM-1020 PM_{10} and $PM_{2.5}$ monitors were audited by comparing and then adjusting the temperature, barometric pressure, and internal flow to a certified deltaCal Volumetric Air Flow Calibrator. All required maintenance was performed on the instruments to assure optimal operations. The temperature, barometric pressure, and flow output readings from the deltaCal and the BAM-1020 monitor were recorded on a standardized form.

4.0 RESULTS AND RECOMMENDATIONS

On April 6-7, 2015, Air Sciences Inc. (Air Sciences) personnel determined the ambient gas analyzers and particulate monitors to be serviceable, and within their recommended tolerance parameters.

Ambient gas and particulate data collected during the on-site audit and calibration activities described in this report will be invalidated.

Appendix A – Audit and Calibration Forms

East Plant

NOx Multipoint Audit
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. Attridge	Teledyne API T200 NOx Analyzer S/N	197	Multipoint Start Time	1000
	Teledyne API T700 Transfer Standard Dilution Calibrator S/N	816	Multipoint Stop Time	1125
Date: 4-7-2015			T200 Analyzer Range	0-500
	NIST Traceable Gas Conc.	40 PPM NO	Shelter Temperature (5-40 ° C)	23.2

Multipoint Audit (Quarterly, or as needed):

Check the analyzer response over 0 – 500 ppb range using the Transfer Standard Dilution Calibrator.

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	0.1	-0.9	-0.9	-0.3	PASS, 0 ± 5
100	100	98.2	0.0	96.5	96.1	PASS, 0.4%
200	200	194.5	-1.7	192.9	192.5	PASS, 0.2%
300	300	296.2	-5.1	291.1	288.9	PASS, 0.8%
400	400	379.9	0.9	380.8	385.2	PASS, 1.2%
500	500	482.7	-0.5	483.6	481.6	PASS, 0.4%

Best Fit Line (BFL)

$Y = 0.9639X + -0.3048$

$R^2 = 0.99982$

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	482	Moly Temp. (315 ± 5°C)	315.1
Ozone Flow (80 ± 15 cc/min)	81	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	0.989	NO Slope (1 ± 0.3)	-0.5
NOx Offset (0 ± 100)	0.986	NO Offset (0 ± 100)	7.1

Operator Comments:

Replaced particle filter.

Operator Signature: Roy Attridge

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	1645
	Teledyne API T700 Transfer Standard Dilution Calibrator S/N	816	Multipoint Stop Time	1816
Date: 4-6-2015			T100 Analyzer Range	0-500
	NIST Traceable Gas Conc.	40 ppm SO2	Shelter Temperature (5-40 ° C)	23.8

Multipoint Calibration (Quarterly, or as needed):

Check analyzer response between 0 – 500 ppb range using the Transfer Standard Dilution Calibrator.

Transfer Standard:

Target (PPB)	Actual Generated SO_2 (PPB)	SO_2 Response (PPB)	Best Fit Line (PPB)	Acceptable Criteria (± 2% from BFL)
Zero Air	0.000	-0.800	-0.479	PASS, <2%FS
100	100.000	95.600	97.064	PASS, 1.5%
200	200.000	194.800	194.607	PASS, 0.1%
300	300.000	292.900	292.150	PASS, 0.3%
400	400.000	389.800	389.693	PASS, 0%
500	500.000	486.700	487.236	PASS, 0.1%

Best Fit Line (BFL)

$Y = 0.9754x + -0.4786$

$R^2 = 0.99999$

Analyzer Parameters

Sample Flow (650 ± 65 cc/min)	617	Sample Press. (Ambient ± 2 in-Hg)	25.6
UV Lamp (1000 - 4800 mV)	2116.7	Lamp Ratio (30 - 120%)	89.6
Slope (1 ± 0.3)	1.075	BOX Temp. (Ambient ± 5°C)	32.5
Offset (< 250 mV)	28.7	HVPS (400 - 900 V)	614

Operator Comments:

Changed particle filter.

Operator Signature:

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	1530
	Teledyne API T700 Transfer Standard Dilution Calibrator S/N	~~191~~ 816 RPA	Multipoint Stop Time	1645
Date: 4-6-2015			T400 Analyzer Range	0-500
			Shelter Temperature (5-40 ° C)	24.2

Multipoint Audit (Quarterly, or as needed):

Check the analyzer response over 0 – 500 ppb range using the Transfer Standard Dilution Calibrator.

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	-0.2	0.1	PASS, <2%FS
100	100	103	101.2	PASS, 1.8%
200	201	203.8	203.3	PASS, 0.2%
300	300	303.8	303.4	PASS, 0.1%
400	400	405.3	404.5	PASS, 0.2%
500	503	507.7	508.6	PASS, 0.2%

Best Fit Line (BFL)

$Y = 1.0109x + 0.133$

$R^2 = 0.99999$

Analyzer Parameters

Sample Flow (800 ± 80 cc/min)	540	Sample Temp. (10 - 50 °C)	40.3
Photo Lamp (58 ± 1 °C)	58	BOX Temp. (30 ± 20 °C)	27.5
Slope (1 ± 0.15)	1.023	O_3 Measure (2500 - 4800 mV)	2777.4
Offset (0.0 ± 5 PPB)	-3.4	O_3 Reference (2500 - 4800 mV)	2776.1

Operator Comments:

Replaced particle filter.

Operator Signature:

East Plant
NOx Multipoint Calibration
Resolution Copper Mining

AIR SCIENCES INC.

Operator: G. Gylys	Teledyne API T200 NOx Analyzer S/N	197	Multipoint Start Time	1255
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Multipoint Stop Time	1442
Date: 4-7-2015			T200 Analyzer Range	0-500
	NIST Traceable Gas Conc.	40 PPM NO	Shelter Temperature (5-40 ° C)	23.1

Multipoint Calibration (Quarterly, or as needed):

Check the analyzer response over 0 - 500 ppb range using the Primary Standard Dilution Calibrator.

Primary 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	-0.1	-0.1	-0.3	PASS, 0 ± 5
100	101	100.9	-0.4	100.3	101.3	PASS, 1%
200	201	201.7	-0.7	201.1	201.9	PASS, 0.4%
300	300	307.3	-1.3	306.0	301.5	PASS, 1.5%
400	400	389.7	-0.1	398.4	402.1	PASS, 0.9%
500	501	507.6	-3.0	504.5	503.7	PASS, 0.2%

Best Fit Line (BFL)

$Y = 1.006x + -0.3154$

$R^2 = 0.9998$

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	481	Moly Temp. (315 ± 5°C)	314.9
Ozone Flow (80 ± 15 cc/min)	81	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	0.986	NO Slope (1 ± 0.3)	0.989
NOx Offset (0 ± 100)	2.6	NO Offset (0 ± 100)	-0.0

Operator Comments:

Operator Signature:

East Plant

O_3 Multipoint Calibration
Resolution Copper Mining

AIR SCIENCES INC.

Operator: G. Gylys	Teledyne API T400 O_3 Analyzer S/N	224	Multipoint Start Time	1445
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Multipoint Stop Time	1558
Date: 4-7-2015			T400 Analyzer Range	0-500
			Shelter Temperature (5-40 ° C)	23.9

Multipoint Calibration (Quarterly, or as needed):

Check the analyzer response over 0 - 500 ppb range using the Primary Standard Dilution Calibrator.

Primary Standard:

Target (PPB)	Actual Generated O_3 (PPB)	O_3 Response (PPB)	Best Fit Line (PPB)	Acceptable Criteria (± 2% from BFL)
Zero Air	0	0.7	0.5	PASS, <2%FS
100	100	101.4	100.7	PASS, 0.7%
200	200	202.5	200.9	PASS, 0.8%
300	301	302.1	302.1	PASS, 0%
400	399	399.3	400.2	PASS, 0.2%
500	500	502.1	501.4	PASS, 0.1%

Best Fit Line (BFL)

$$Y = 1.0017x + 0.5333$$

$$R^2 = 0.99999$$

Analyzer Parameters

Sample Flow (800 ± 80 cc/min)	538	Sample Temp. (10 - 50 °C)	39.8
Photo Lamp (58 ± 1 °C)	58	BOX Temp. (30 ± 20 °C)	28.0
Slope (1 ± 0.15)	1.022	O_3 Measure (2500 - 4800 mV)	2780.8
Offset (0.0 ± 5 PPB)	-3.5	O_3 Reference (2500 - 4800 mV)	2779.6

Operator Comments:

Operator Signature:

East Plant

SO_2 Multipoint Calibration
Resolution Copper Mining

AIR SCIENCES INC.

Operator: G. Gylys	Teledyne API T100 SO_2 Analyzer S/N	193	Multipoint Start Time	1600
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Multipoint Stop Time	1804
Date: 4-7-2015			T100 Analyzer Range	0-500
	NIST Traceable Gas Conc.	40 ppm SO2	Shelter Temperature (5-40 ° C)	22.1

Multipoint Calibration (Quarterly, or as needed):

Check analyzer response between 0 – 500 ppb range using the Primary Standard Dilution Calibrator.

Primary Standard:

Target (PPB)	Actual Generated SO_2 (PPB)	SO_2 Response (PPB)	Best Fit Line (PPB)	Acceptable Criteria (± 2% from BFL)
Zero Air	0.000	0.000	-0.607	PASS, <2%FS
100	101.000	100.800	102.499	PASS, 1.7%
200	201.000	202.300	204.585	PASS, 1.1%
300	300.000	305.800	305.650	PASS, 0%
400	400.000	404.400	407.736	PASS, 0.8%
500	500.000	512.400	509.821	PASS, 0.5%

Best Fit Line (BFL)

$Y = 1.0209x + -0.6071$

$R^2 = 0.99988$

Analyzer Parameters

Sample Flow (650 ± 65 cc/min)	616	Sample Press. (Ambient ± 2 in-Hg)	25.6
UV Lamp (1000 - 4800 mV)	2118.3	Lamp Ratio (30 - 120%)	89.6
Slope (1 ± 0.3)	1.152	BOX Temp. (Ambient ± 5°C)	33.3
Offset (< 250 mV)	25.9	HVPS (400 - 900 V)	614

Operator Comments:

Operator Signature:

East Plant BAM-1020 PM_{10} Audit Sheet

AIR SCIENCES INC.

Model:	**BAM-1020**	**Serial Number:**	M8714
Audit Date:	4-6-2014	**Audited By:**	R. Attridge
Audit Time:	12:15-13:30		

Firmware:

Flow Audits						
Flow Reference Standard Used:	Model:	DeltaCal	Serial No:	0723	Calibration Date:	8-24-2014
Temperature Standard Used:	Model:	DeltaCal	Serial No:	0723	Calibration Date:	8-24-2014
Barometric Pressure Standard Used:	Model:	DeltaCal	Serial No:	0723	Calibration Date:	8-24-2014

Leak Check Value:	as found:	0.6 lpm	Should Be: <1.0	as left: 0.5 lpm	Should Be: <1.0

		BAM	Ref. Std.		BAM	Ref. Std.		
Ambient Temperature (°C):	as found:	21.6	19.8	as left:	22.5	22.2	Adjusted	x
Barometric Pressure (mmHg):	as found:	653	652.5	as left:	653	652.5	Adjusted	
Flow Rate (15.0 LPM):	as found:	15.1	14.96	as left:	15.0	14.57	Adjusted	
Flow Rate (18.4 LPM):	as found:	18.4	18.25	as left:	18.4	17.95	Adjusted	
Flow Rate (16.7 LPM):	as found:	16.7	16.62	as left:	16.7	16.65	Adjusted	

Audit Notes:

Mechanical Audits

Pump muffler unclogged:	As found	x	As left		PM10 particle trap clean:	As found	x	As left		N/A	
Sample nozzle clean:	As found		As left	x	PM10 drip jar empty:	As found		As left	x	N/A	
Tape support vane clean:	As found		As left	x	PM10 bug screen clear:	As found		As left	x	N/A	
Capstan shaft clean:	As found		As left	x	PM2.5 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			
on	As found	x	As left		Inlet tube perpendicular to BAM:	As found	x	As left			

Signature:

East Plant BAM-1020 $PM_{2.5}$ Audit Sheet

AIR SCIENCES INC.

Model:	BAM-1020	**Serial Number:**	M6466
Audit Date:	4-6-2015	**Audited By:**	R. Attridge
Audit Time:	12:15-13:30		

Firmware:

Flow Audits						
Flow Reference Standard Used:	Model:	DeltaCal	Serial No:	0732	Calibration Date:	8-24-2014
Temperature Standard Used:	Model:	DeltaCal	Serial No:	0732	Calibration Date:	8-24-2014
Barometric Pressure Standard Used:	Model:	DeltaCal	Serial No:	0732	Calibration Date:	8-24-2014

Leak Check Value: as found: 0.7 lpm Should Be: <1.0 as left: 0.5 lpm Should Be: <1.0

		BAM	Ref. Std.		BAM	Ref. Std.		
Ambient Temperature (°C):	as found:	21.3	21.1	as left:	21.1	21.2	Adjusted	
Barometric Pressure (mmHg):	as found:	653	652.5	as left:	652	652.5	Adjusted	
Flow Rate (15.0 LPM):	as found:	15.0	14.96	as left:	15.0	14.67	Adjusted	
Flow Rate (18.4 LPM):	as found:	18.3	18.21	as left:	18.3	17.97	Adjusted	
Flow Rate (16.7 LPM):	as found:	16.6	16.57	as left:	16.6	16.57	Adjusted	

Audit Notes:

Mechanical Audits

Pump muffler unclogged:	As found		As left	X	PM10 particle trap clean:	As found	X	As left		N/A	
Sample nozzle clean:	As found		As left	X	PM10 drip jar empty:	As found	X	As left		N/A	
Tape support vane clean:	As found		As left	X	PM10 bug screen clear:	As found	X	As left		N/A	
Capstan shaft clean:	As found		As left	X	PM2.5 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			
on	As found	X	As left		Inlet tube perpendicular to BAM:	As found	X	As left			

Signature:

AIR SCIENCES INC.

DENVER • PORTLAND

Air Quality Audit and Calibration Report Resolution Copper West Plant Monitoring Station

PREPARED FOR:
RESOLUTION COPPER MINING

Resolution Copper Mining

PREPARED BY:
AIR SCIENCES INC.

PROJECT NO. 262-13-1
APRIL 2015

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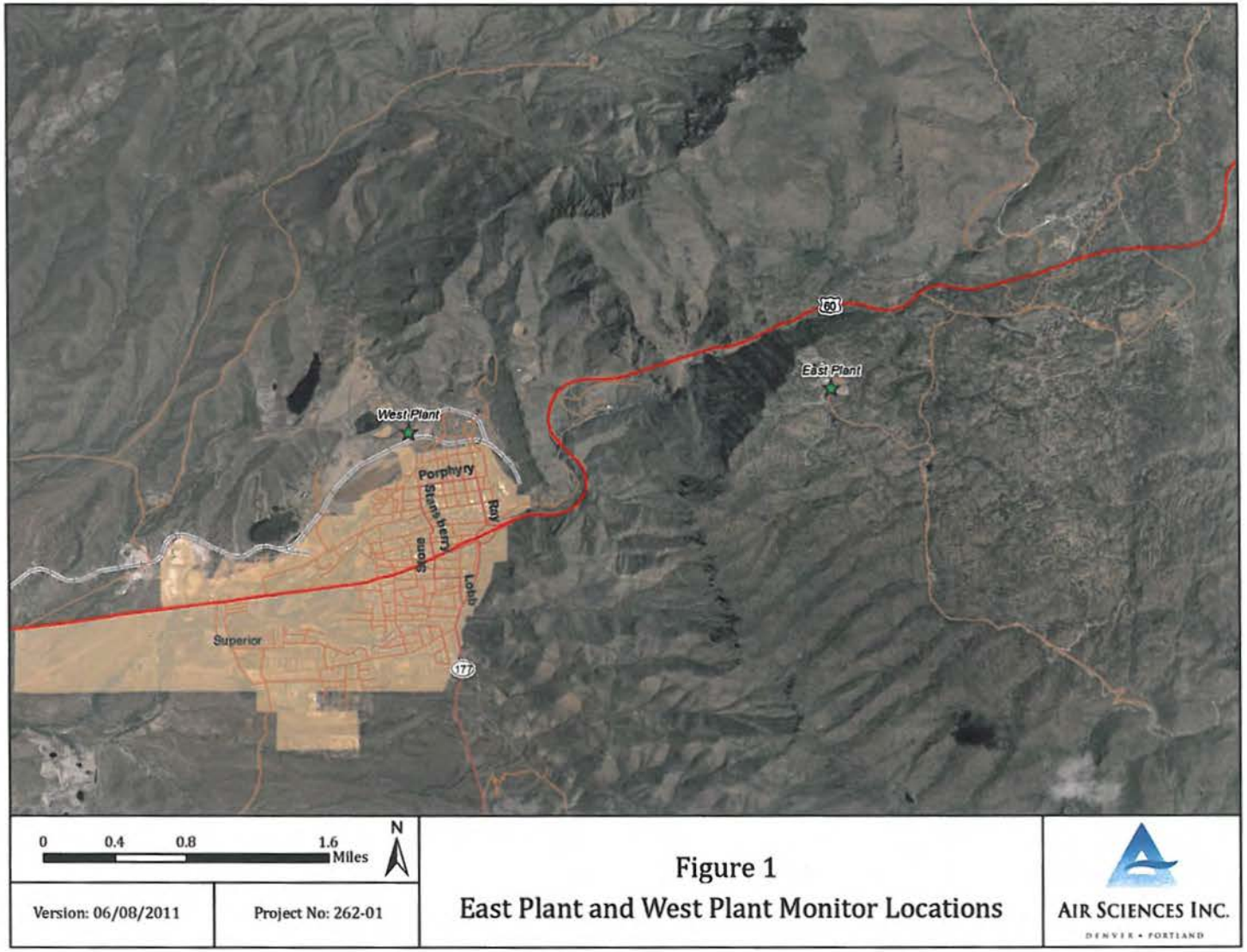
Appendix A – Audit and Calibration Forms

1.0 INTRODUCTION

On April 8, 2015, particulate monitoring instrumentation was audited and/or calibrated at the Resolution Copper West Plant near Superior, AZ. The West Plant monitoring station is operated by the Resolution Copper Mining Company and is located approximately one quarter mile west of the administration buildings (see Figure 1). The audit/calibration activities described in this report were conducted in accordance with the applicable 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-13-003, Quality Assurance Handbook for Air Pollution Measurement Systems, Volume II: Ambient Air Quality Monitoring Program, May 2013
- EPA-454/B-08-002, Quality Assurance Handbook for Air Pollution Measurement Systems, Volume IV: Meteorological Measurements Version 2.0, March 2008
- Code of Federal Regulations (40 CFR Parts 50 and 58)

Figure 1. Project Location Map – Resolution Copper East Plant and West Plant Monitoring Station Locations



2.0 SYSTEM DESCRIPTION

The instrumentation at the West Plant monitoring site measures wind speed, wind direction, ambient temperature, vertical height temperature difference (delta temperature), solar radiation, relative humidity, precipitation, barometric pressure, and particulate matter less than 10 and 2.5 microns in diameter (PM_{10} & $PM_{2.5}$).

The meteorological sensors are mounted to a 35-foot, open-lattice, aluminum drop tower. The particulate monitors are housed in a climate-controlled enclosure. The sensor and particulate inlet heights are listed in Table 1 (as measured from ground-level).

Table 1. Sensor and Particulate Inlet Heights (meters above the ground)

Parameter	Approximate Height (meters)
Wind Speed	10
Wind Direction	10
Ambient Temperature	2
Delta Temperature	2, 10
Solar Radiation	2
Relative Humidity	2
Precipitation	1
Barometric Pressure	1.5
PM_{10}	2
$PM_{2.5}$	2

Monitored data are recorded via analog inputs on two Campbell Scientific CR3000 dataloggers, each powered independently by either DC solar 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 two Met One Instruments model BAM-1020 particulate monitors. The BAM-1020 is a continuous 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.

3.0 AUDIT AND CALIBRATION METHODOLOGY

This section provides the audit and/or calibration procedures for the particulate instrumentation at the Resolution Copper West Plant monitoring site. Copies of the completed audit and/or calibration forms are included in Appendix A.

3.1 Particulate Matter Audit Procedures

The BAM-1020 PM_{10} and $PM_{2.5}$ monitors were audited by comparing and then adjusting the temperature, barometric pressure, and internal flow to a certified deltaCal Volumetric Air Flow Calibrator. All required maintenance was performed on the instruments to assure optimal operations. The temperature, barometric pressure, and flow output readings from the deltaCal and the instrument were recorded on a standardized form.

4.0 RESULTS AND RECOMMENDATIONS

On April 8, 2015, Air Sciences Inc. (Air Sciences) personnel discovered The BAM-1020 PM_{10} and $PM_{2.5}$ monitors to be clean, serviceable, and within their recommended tolerance parameters.

Air Sciences replaced the reference membrane housing block and reference membrane of both the particulate monitors.

Particulate data collected during the on-site audit and calibration activities described in this report will be invalidated.

Appendix A – Audit and Calibration Forms

AIR SCIENCES INC.

West Plant BAM-1020 PM_{10} Audit Sheet

Model:	**BAM-1020**	**Serial Number:**	M8712
Audit Date:	04/08/2015	**Audited By:**	G. Gylys
Audit Time:	07:27 - 10:32		

Firmware: 3236-06 V3.6.3

Flow Audits						
Flow Reference Standard Used:	Model:	DeltaCal	Serial No:	723	Calibration Date:	8/24/2014
Temperature Standard Used:	Model:	DeltaCal	Serial No:	723	Calibration Date:	8/24/2014
Barometric Pressure Standard Used:	Model:	DeltaCal	Serial No:	723	Calibration Date:	8/24/2014

Leak Check Value: as found: 0.6 Should Be: <1.0 as left: 0.6 Should Be: <1.0

		BAM	Ref. Std.		BAM	Ref. Std.		
Ambient Temperature:	as found:	18.7	17.3	as left:	18.2	18.2	Adjusted	X
Barometric Pressure:	as found:	683	682	as left:	683	683	Adjusted	X
Flow Rate (15.0 lpm):	as found:	15.0	15.3	as left:	15.0	15.0	Adjusted	X
Flow Rate (18.4 lpm):	as found:	18.4	18.6	as left:	18.4	18.4	Adjusted	X
Flow Rate (16.7 lpm):	as found:	16.7	16.9	as left:	16.7	16.7	Adjusted	X

Calibration Notes: Replaced membrane housing block and reference membrane. New ABS average mean value: 0.777.

Mechanical Audits

Pump muffler unclogged:	As found	X	As left		PM10 particle trap clean:	As found		As left	X	N/A	
Sample nozzle clean:	As found		As left	X	PM10 drip jar empty:	As found	X	As left		N/A	
Tape support vane clean:	As found		As left	X	PM10 bug screen clear:	As found	X	As left		N/A	
Capstan shaft clean:	As found		As left	X	PM2.5 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			
Chassis ground wire installed:	As found	X	As left		Inlet tube perpendicular to BAM:	As found	X	As left			

Signature:

West Plant BAM-1020 $PM_{2.5}$ Audit Sheet

Model:	**BAM-1020**	**Serial Number:**	M8193
Audit Date:	04/08/2015	**Audited By:**	G. Gylys
Audit Time:	08:38 - 11:21		

Firmware: 3236-06 V3.6.3

Flow Audits						
Flow Reference Standard Used:	Model:	Delta Cal	Serial No:	723	Calibration Date:	8/24/2014
Temperature Standard Used:	Model:	Delta Cal	Serial No:	723	Calibration Date:	8/24/2014
Barometric Pressure Standard Used:	Model:	Delta Cal	Serial No:	723	Calibration Date:	8/24/2014

Leak Check Value:	as found:	0.7 LPM	Should Be: <1.0	as left:	0.7 LPM	Should Be: <1.0

		BAM	Ref. Std.		BAM	Ref. Std.		
Ambient Temperature (°C):	as found:	19.5	18.1	as left:	18.7	18.8	Adjusted	X
Barometric Pressure (mmHg):	as found:	684	682.5	as left:	683	683	Adjusted	X
Flow Rate (15.0 LPM):	as found:	15.1	14.9	as left:	15.0	15.0	Adjusted	X
Flow Rate (18.4 LPM):	as found:	18.4	18.2	as left:	18.4	18.4	Adjusted	X
Flow Rate (16.7 LPM):	as found:	16.7	16.5	as left:	16.7	16.7	Adjusted	X

Audit Notes: Replaced membrane housing block and reference membrane. New ABS average mean value: 0.810.

Mechanical Audits

Pump muffler unclogged:	As found	X	As left		PM10 particle trap clean:	As found		As left		N/A	X
Sample nozzle clean:	As found		As left	X	PM10 drip jar empty:	As found		As left	X	N/A	
Tape support vane clean:	As found		As left	X	PM10 bug screen clear:	As found		As left	X	N/A	
Capstan shaft clean:	As found		As left	X	PM2.5 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		As left	X		
Chassis ground wire installed:	As found	X	As left		Inlet tube perpendicular to BAM:	As found	X	As left			

Signature:

Appendix J: CD